DESIGNATED AIRSPACE HANDBOOK

EFFECTIVE 29 MAY 2014

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IMPORTANT NOTICE

The information in this publication may be superseded by NOTAM
Consult NOTAM for latest information.

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The Horizontal Datum used in this document is the World Geodetic Datum 1984 (WGS84). The Vertical Datum is the Australian Height Datum (AHD).

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INTRODUCTION

1. **PURPOSE. Designated Airspace Handbook** is a publication issued on an alternating approximate 24/28 week cycle. The DAH lists, in tabular form, the lateral and vertical limits and other pertinent details of the airspace types listed in the table of contents.

   Further information is contained in AIP and MATS Chapter 2.4. The boundaries of Search and Rescue Areas can be found in AIP GEN 3.6. For ATC management purposes further information is contained in MATS Supplementary Procedures or Local Orders/Instructions.

2. **CONDITION FOR RESTRICTED AREAS.** An aircraft may only be flown in the airspace of a restricted area if the pilot in command has approval for the flight from the Controlling Authority mentioned for the restricted area. References to the "Administering Authority" are taken to be references to the Controlling Authority.

3. **NOTAM.** NOTAM are used to disseminate urgent changes to information contained in the DAH. Consult current NOTAM for latest information.

4. **VERTICAL LIMITS / HOURS OF OPERATION** Except when stated as AGL (above ground level), Lower and Upper vertical limits are promulgated as Above Mean Sea Level when at or below the Transition Altitude or as a flight level when above the Transition Altitude.

   SFC means the surface of the ground or water.

   NOTAM indicates that the vertical limits will be notified by NOTAM.

   The following code applies for Hours of Operation:

AH	AFTER HOURS
D	DAILY
H24	CONTINUOUSLY
E	WEEKENDS (SAT & SUN)
EXPH	EXCLUDING PUBLIC HOLIDAYS
HDS	HOURS OF DAYLIGHT SAVING
HJ	SUNRISE TO SUNSET
HN	DURING HOURS OF DARKNESS
JO	MONDAY TO FRIDAY (EXC PUBLIC HOLIDAYS)
JF	SAT, SUN & PUBLIC HOLIDAYS
MON, TUE, WED, THU, FRI, SAT, SUN	DAYS OF THE WEEK
W	MONDAY TO FRIDAY
WS	MONDAY TO SATURDAY
Z	UNIVERSAL COORDINATED TIME
L	LOCAL TIME
OT	OTHER TIMES

5. Airspace descriptions will be preceded by a FIR identifier. These identifiers are as follows:
   Brisbane YBBB
   Melbourne YMMM

6. To reduce clutter, the following areas are not shown on Airservices charts because of:

   a. infrequent activation, or low level Oceanic area.

   b. the areas are wholly contained within Controlled Airspace.
   YBBB/R 725 -- SAUMAREZ REEF

7. Under each FIR a restricted area number has been reserved for Air Defence Identification Zones (ADIZ) purposes. Procedures relating to the introduction of these Zones are contained in Flight Information Handbook Australia (FIHA).

8. Control areas are normally active continuously, but areas depicted may cease to be operative in certain circumstances. Areas identified by the word NOTAM may be activated or additional areas may be established to meet temporary requirements. These changes will be advised by NOTAM or specified on radio navigation charts, but pilots should plan their action on the basis that the depicted control areas are operative unless advised to the contrary.

9. In accordance with the provisions of CAR, aircraft operating in military CTR, whether active or de-activated, are not to use the surface of any military airfield unless specifically approved by the relevant military authority.

10. All CTR are active only during the hours of operation of the control tower.

11. Due to the possible variation of the hours of operation of civil and military towers, pilots should plan their operations on the basis that control zones are active unless advised to the contrary.

12. **ADVICE OF ERRORS AND SUGGESTIONS**: Correction and error advice is requested by the following three methods (in order of preference):

    a. Online at http://www.airservicesaustralia.com/publications/e-correction-card/, or
    Email at docs.amend@airservicesaustralia.com or

    b. FAX: 02 6268 5689 or

    c. Mail:
    Business Reply Post
    Permit No 1986 – CIVIC SQUARE
    Airservices Australia
    Attn: Aeronautical Information Service
    GPO Box 367
    CANBERRA ACT 2601

13. **CHANGE OF ADDRESS AND PROCUREMENT:** To advise change of address and to arrange for procurement, contact:
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    Publications Unit
    Locked Bag 8500
    CANBERRA ACT 2601
    Phone: 1300 306 630 (local call Australia wide, except from Mobile), or 02 6268 5500
    FAX: 02 6268 5111
    Email: publications.unit@airservicesaustralia.com
    NOTE THAT ANY CALLS MADE FROM MOBILE PHONES ATTRACT THE NORMAL MOBILE CALL CHARGES AND ARE NOT CHARGED AT LOCAL CALL RATES OR FREE OF CHARGE CALL

SPECIAL NOTICES

The coordinates published in the Designated Airspace Handbook (DAH) conform to the following rules:

- the compass cardinal point is placed last;
- symbols are omitted;
- latitude is expressed as two digits for degrees, minutes and seconds (including where the value is less than 10);
- longitude is expressed using three digits for degrees (including where that value is less than 100 degrees) and two digits for minutes and seconds (including where the value is less than 10);
- one space is included between the degree/minute values and the minute/second values;
- one space is included between the latitude and longitude groupings;
- where a degree of accuracy of decimals of seconds is required, the decimal places are inserted immediately following the seconds digits and before the cardinal point (the number of decimal places is always consistent within the set);
- when two or more sets of coordinates are identified, each set is separated by a comma.

Example

Hundredths of a Second
: The most stringent ICAO accuracy requires some coordinates to be given in hundredths of a second. Thus, the delineation of five degrees, seven minutes and twenty-one point two-zero seconds South, sixty-five degrees, twenty-five minutes and twenty-two point six-two seconds East will be presented as: **05 07 21.20S 065 25 22.62E**.

Tenth of a Second
: Should the above example be required to an accuracy of one tenth of a second, it will be presented as: **05 07 21.2S 065 25 22.6E**.

Seconds
: Should the above example be required to an accuracy of one second, it will be presented as: **05 07 21S 065 25 23E**.

Minutes
: Should the above example be required to an accuracy of one minute (i.e. 1NM) it will be presented as: **05 07S 065 25E**.

Exceptions to the above are the delineation of Certified or Registered Aerodromes Threshold Data (Section 17), IFR Waypoints (Section 21), Air Routes (Section 22) and Military Sensitive Areas (Section 23), where the latitudes/longitudes are expressed in the form required or where the cardinal point is placed first.

SECTION 1 – FLIGHT INFORMATION REGIONS

YBBB-YMMM/BRISBANE FIR

LATERAL LIMITS: 12 00 00S 114 30 00E, 12 00 00S 123 20 00E
09 20 00S 126 50 00E, 07 00 00S 135 00 00E
09 50 00S 139 40 00E, 09 50 00S 141 00 00E
09 37 00S 141 01 06E, 09 15 42S 142 03 30E
then along QLD/PNG border to 09 19 24S 142 48 18E
09 08 00S 143 52 30E, 09 24 00S 144 14 00E
09 56 34S 144 05 21E,
then along the Barrier Reef to 11 30 00S 144 01 36E
11 43 30S 144 04 20E, 12 00 00S 144 00 00E
12 00 00S 155 00 00E, 14 00 00S 155 00 00E
14 00 00S 161 15 00E, 17 40 00S 163 00 00E
45 00 00S 163 00 00E, 45 00 00S 150 00 00E
44 33 57S 150 00 00E, 43 51 03S 150 39 53E
43 00 00S 151 00 00E, 38 11 19S 150 19 14E
36 56 43S 150 45 03E,
then along the minor arc of a circle of 120.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 35 18 59S 152 55 50E
34 28 18S 151 49 23E,
then along the major arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 25 34S 150 31 41E
32 05 40S 148 49 51E, 29 00 00S 146 32 00E
29 00 00S 143 30 00E, 26 13 31S 138 23 24E
22 17 51S 136 38 07E, 21 51 32S 136 22 25E
21 29 59S 136 19 44E, 21 12 09S 131 50 24E
23 13 13S 128 27 49E, 23 23 49S 126 03 32E
21 31 19S 124 33 04E, 20 03 18S 121 40 22E
19 00 00S 120 15 00E, 14 08 13S 115 08 32E
12 00 00S 114 30 00E

VERTICAL LIMITS: SFC - FL600

HOURS OF ACTIVITY: H24

CONTROLLING AUTHORITY: Airservices Australia

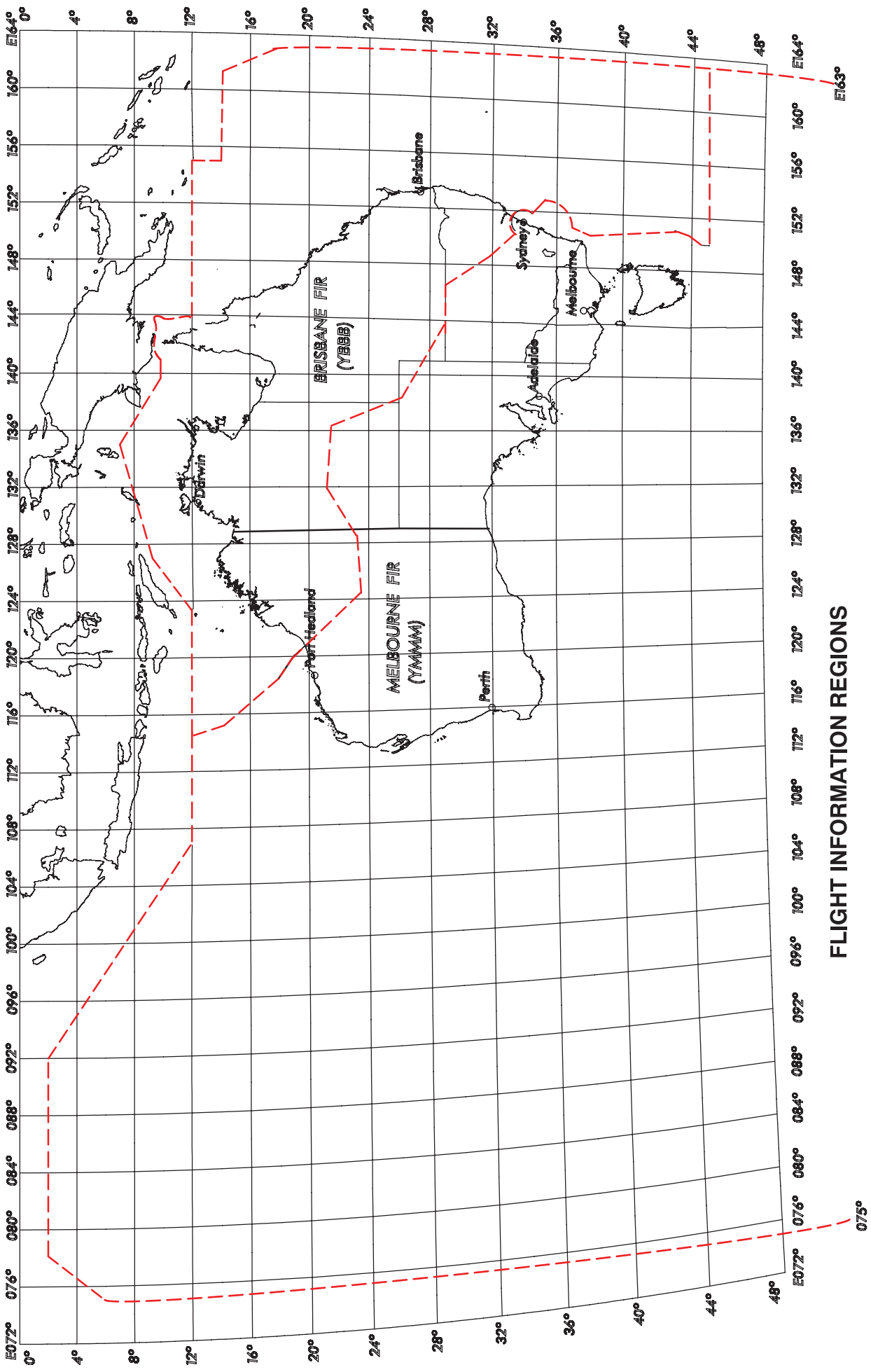
YBBB-YMMM/MELBOURNE FIR

LATERAL LIMITS: 06 00 00S 075 00 00E, 02 00 00S 078 00 00E
02 00 00S 092 00 00E, 12 00 00S 107 00 00E
12 00 00S 114 30 00E, 14 08 13S 115 08 32E
19 00 00S 120 15 00E, 20 03 18S 121 40 22E
21 31 19S 124 33 04E, 23 23 49S 126 03 32E
23 13 13S 128 27 49E, 21 12 09S 131 50 24E
21 29 59S 136 19 44E, 21 51 32S 136 22 25E
22 17 51S 136 38 07E, 26 13 31S 138 23 24E
29 00 00S 143 30 00E, 29 00 00S 146 32 00E
32 05 40S 148 49 51E, 33 25 34S 150 31 41E
then along the major arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 28 18S 151 49 23E
35 18 59S 152 55 50E,
then along the minor arc of a circle of 120.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 36 56 43S 150 45 03E
38 11 19S 150 19 14E, 43 00 00S 151 00 00E
43 51 03S 150 39 53E, 44 33 57S 150 00 00E
45 00 00S 150 00 00E, 45 00 00S 163 00 00E
90 00 00S 135 00 00E, 06 00 00S 075 00 00E

VERTICAL LIMITS: SFC - FL600

HOURS OF ACTIVITY: H24

CONTROLLING AUTHORITY: Airservices Australia



FLIGHT INFORMATION REGIONS

SECTION 2 – CONTROL ZONES C

YMMM/ADELAIDE CONTROL ZONE (C)

LATERAL LIMITS: 34 47 27S 138 24 26E, 34 48 38S 138 32 18E
34 50 57S 138 35 55E, 34 50 54S 138 36 57E
34 48 47S 138 40 38E,
then along the major arc of a circle of 11.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 34 47 27S 138 24 26E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/AMBERLEY CONTROL ZONE (C)

LATERAL LIMITS: 27 29 24S 152 47 34E, 27 42 34S 152 52 59E
27 44 13S 152 51 55E,
then along the major arc of a circle of 10.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 27 29 24S 152 47 34E
NOTES: CTR may be subject to short notice recall.
VERTICAL LIMITS: SFC - 7500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Dept of Defence - RAAF

YBBB/BRISBANE CONTROL ZONE (C)

LATERAL LIMITS: 27 20 58S 153 00 06E, 27 19 17S 153 01 04E
then along the minor arc of a circle of 7.00NM radius centred on
27 22 29S 153 08 04E to 27 25 40S 153 15 04E
27 27 21S 153 14 06E,
then along the major arc of a circle of 7.00NM radius centred on
27 24 10S 153 07 06E to 27 20 58S 153 00 06E
VERTICAL LIMITS: SFC - 3500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/CAIRNS CONTROL ZONE (C)

LATERAL LIMITS: 16 53 20S 145 39 30E, 16 48 41S 145 38 09E
then along the minor arc of a circle of 7.00NM radius centred on
16 51 57S 145 44 37E to 16 49 09S 145 51 18E
16 50 44S 145 52 01E,
then along the minor arc of a circle of 7.00NM radius centred on
16 53 32S 145 45 20E to 17 00 30S 145 44 20E
16 53 20S 145 39 30E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/CANBERRA CONTROL ZONE (C)

LATERAL LIMITS: 35 24 20S 149 05 07E, 35 10 55S 149 05 36E
then along the minor arc of a circle of 9.00NM radius centred on
35 18 25S 149 11 42E (YSCB/AD) to 35 10 58S 149 17 54E
35 24 29S 149 18 05E,
then along the minor arc of a circle of 8.00NM radius centred on
35 18 25S 149 11 42E (YSCB/AD) to 35 24 20S 149 05 07E
VERTICAL LIMITS: SFC - 3500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/CURTIN CONTROL ZONE (C)

LATERAL LIMITS: 17 27 10S 123 41 51E, 17 29 10S 124 01 54E
then along the minor arc of a circle of 12.00NM radius centred on
17 35 20S 123 51 07E (CIN/DME) to 17 43 18S 124 00 32E
17 40 22S 123 53 51E, 17 36 50S 123 38 38E
then along the minor arc of a circle of 12.00NM radius centred on
17 35 20S 123 51 07E (CIN/DME) to 17 27 10S 123 41 51E
VERTICAL LIMITS: SFC - 3500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Dept of Defence - RAAF

YBBB/DARWIN CONTROL ZONE (C)

LATERAL LIMITS: 12 31 48S 130 51 21E, 12 31 13S 130 49 36E
then along the minor arc of a circle of 7.00NM radius centred on
12 24 34S 130 51 55E to 12 17 55S 130 54 14E
12 18 30S 130 55 59E,
then along the minor arc of a circle of 7.00NM radius centred on
12 25 09S 130 53 40E to 12 19 36S 130 58 03E
12 24 58S 130 58 05E, 12 31 30S 130 56 45E
then along the minor arc of a circle of 7.00NM radius centred on
12 25 09S 130 53 40E to 12 31 48S 130 51 21E
VERTICAL LIMITS: SFC - 1000
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Dept of Defence - RAAF

YMMM/EAST SALE CONTROL ZONE (C)

LATERAL LIMITS: A circle of 5.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD)
VERTICAL LIMITS: SFC - 3000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Dept of Defence - RAAF

YMMM/EDINBURGH CONTROL ZONE (C)

LATERAL LIMITS: 34 43 37S 138 31 27E, 34 32 22S 138 27 08E
then along LOWER LIGHT REDBANKS RD 1 to 34 28 42S 138 33 35E
then along THE REDBANK/WASLEY RD to 34 28 21S 138 40 52E
then along THE ROSEWORTHY/WASLEY RAILWAY 2 to 34 33 55S 138 43 34E
then along the minor arc of a circle of 2.00NM radius centred on
34 35 55S 138 43 17E (YGAW/ALA) to 34 33 58S 138 42 41E
34 36 43S 138 41 04E,
then along the minor arc of a circle of 2.00NM radius centred on
34 35 55S 138 43 17E (YGAW/ALA) to 34 37 53S 138 43 41E
then along MAIN NORTH RD to 34 43 44S 138 40 23E
34 45 48S 138 37 07E,
then along LITTLE PARA RVR to 34 46 20S 138 35 36E
34 46 29S 138 34 13E,
then along the minor arc of a circle of 5.00NM radius centred on
34 42 09S 138 37 15E (YPED/AD) to 34 43 37S 138 31 27E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Dept of Defence - RAAF

YBBB/GOLD COAST CONTROL ZONE (C)

LATERAL LIMITS: 28 16 51S 153 27 55E, 28 07 09S 153 23 04E
then along the major arc of a circle of 7.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 16 51S 153 27 55E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/LEARMONTH CONTROL ZONE (C)

LATERAL LIMITS: 22 08 43S 113 59 45E, 22 07 57S 114 00 22E
21 59 52S 114 00 22E,
then along the minor arc of a circle of 15.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 21 59 53S 114 11 00E
22 28 18S 114 11 00E,
then along the minor arc of a circle of 15.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 22 28 39S 114 01 32E
22 14 09S 113 58 01E,
then along THE ROAD 4 to 22 08 43S 113 59 45E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Dept of Defence - RAAF

YMMM/MELBOURNE CONTROL ZONE (C)

LATERAL LIMITS: 37 32 25S 144 49 43E, 37 33 00S 144 56 12E
37 41 30S 145 04 42E, 37 44 00S 145 04 42E
37 49 24S 144 59 18E, 37 49 06S 144 58 12E
37 48 22S 144 49 31E,
then along the minor arc of a circle of 8.00NM radius centred on
37 40 24S 144 50 36E (YMML/AD) to 37 32 25S 144 49 43E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/NOWRA CONTROL ZONE (C)

LATERAL LIMITS: 34 50 19S 150 24 40E, 34 51 58S 150 29 55E
then along THE S SHORE OF SHOALHAVEN RVR to 34 51 22S 150 38 45E
34 52 23S 150 41 24E,
then along the major arc of a circle of 9.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 34 50 19S 150 24 40E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Dept of Defence - Navy

YBBB/OAKEY CONTROL ZONE (C)

LATERAL LIMITS: A circle of 5.00NM radius centred on
27 23 59S 151 44 17E (OK/DME)
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN OAKEY FLT

YMMM/PERTH CONTROL ZONE (C)

LATERAL LIMITS: 32 03 03S 115 51 36E, 32 00 41S 115 47 21E
31 58 20S 115 47 37E, 31 54 58S 115 48 55E
31 51 19S 115 49 23E,
then along WANNEROO RD to 31 48 23S 115 49 06E
then along the minor arc of a circle of 11.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 47 22S 115 50 43E
then along the minor arc of a circle of 11.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 05 41S 116 05 05E
32 04 56S 116 00 05E, 32 04 42S 115 56 08E
then along the minor arc of a circle of 3.00NM radius centred on
32 05 51S 115 52 52E (YPJT/AD) to 32 03 03S 115 51 36E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/SCHERGER CONTROL ZONE (C)

LATERAL LIMITS: A circle of 15.00NM radius centred on
12 37 26S 142 05 14E (YBSG/AD)
VERTICAL LIMITS: SFC - 4000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Dept of Defence - RAAF

YMMM/SYDNEY CONTROL ZONE (C)

LATERAL LIMITS: 33 54 17S 151 02 37E, 33 51 25S 151 04 14E
then along the minor arc of a circle of 0.40NM radius centred on
33 51 03S 151 04 25E to 33 51 04S 151 04 54E
33 50 28S 151 04 56E,
then along HOMEBUSH BAY 4 to 33 49 26S 151 05 17E
then along S BANK PARRAMATTA RVR 8 to 33 49 37S 151 05 37E
then along S BANK PARRAMATTA RVR 2 to 33 50 10S 151 06 14E
then along STH BANK PARRAMATTA RVR 8 to 33 50 36S 151 07 11E
33 50 44S 151 07 48E,
then along S BANK PARRAMATTA RVR 3 to 33 50 52S 151 08 29E
33 50 43S 151 08 38E,
then along S BANK PARRAMATTA RVR 4 to 33 50 51S 151 09 19E
33 50 57S 151 09 53E, 33 50 50S 151 10 20E
33 50 58S 151 10 50E,
then along S BANK PARRAMATTA RVR 5 to 33 51 33S 151 11 45E
then along S BANK PARRAMATTA RVR 6 to 33 52 27S 151 11 59E
then along THE S BANK PARRAMATTA RVR to 33 51 20S 151 12 28E
then along SOUTHERN SHORE HARBOUR 1 to 33 51 33S 151 13 46E
then along SOUTHERN SHORE HARBOUR 2 to 33 51 56S 151 15 13E
then along SOUTHERN SHORE HARBOUR 3 to 33 52 22S 151 15 26E
then along SOUTHERN SHORE HARBOUR 4 to 33 51 09S 151 16 15E
then along SOUTHERN SHORE HARBOUR 5 to 33 50 06S 151 16 52E
then along THE COAST 61 to 33 51 34S 151 17 05E
then along THE COAST 7 to 33 53 05S 151 17 03E
33 53 34S 151 17 06E, 33 58 07S 151 15 57E
34 00 10S 151 14 54E, 34 01 10S 151 13 46E
then along THE COAST 8 to 34 02 16S 151 11 32E
then along THE COAST 9 to 34 04 19S 151 09 20E
34 04 37S 151 10 02E,
then along THE COAST 97 to 34 05 04S 151 10 11E
34 03 50S 150 59 42E, 34 01 05S 150 58 37E
33 57 53S 150 57 19E, 33 57 20S 151 00 09E
then along the minor arc of a circle of 2.00NM radius centred on
33 55 28S 150 59 18E (YSBK/AD) to 33 56 21S 151 01 28E
33 54 17S 151 02 37E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/TINDAL A CONTROL ZONE (C)

LATERAL LIMITS: 14 01 09S 132 21 45E, 14 21 14S 132 22 05E
then along the minor arc of a circle of 10.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 14 25 06S 132 30 49E
14 13 17S 132 47 29E,
then along the major arc of a circle of 30.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 14 01 09S 132 21 45E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Dept of Defence - RAAF

YBBB/TINDAL B CONTROL ZONE (C)

LATERAL LIMITS: A circle of 30.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD)
VERTICAL LIMITS: 2500 - 10000
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Dept of Defence - RAAF

YBBB/TOWNSVILLE CONTROL ZONE (C)

LATERAL LIMITS: 19 07 11S 146 32 29E,
then along the minor arc of a circle of 15.00NM radius centred on 19 15 09S 146 45 55E (YBTL/AD) to 19 10 48S 147 01 06E
19 18 12S 146 55 28E, 19 22 36S 146 55 12E
19 26 15S 146 48 01E, 19 26 20S 146 47 23E
19 25 08S 146 44 43E, 19 24 41S 146 44 14E
19 24 27S 146 38 08E, 19 16 08S 146 33 07E
19 10 12S 146 37 30E, 19 07 11S 146 32 29E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Dept of Defence - RAAF

YBBB/WILLIAMTOWN CONTROL ZONE (C)

LATERAL LIMITS: 32 47 22S 151 37 30E, 32 37 18S 151 43 06E
then along the major arc of a circle of 12.00NM radius centred on 32 47 49S 151 49 59E (WLM/TAC) to 32 59 22S 151 45 59E
32 55 24S 151 47 23E,
then along SOUTHBANK/ARM HUNTER RVR 1 to 32 49 14S 151 40 52E
then along NEW ENGLAND HWY 2 to 32 47 22S 151 37 30E
NOTES: CTR may be subject to short notice recall.
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Dept of Defence - RAAF

NOTES

SECTION 3 – CONTROL ZONES D

YMMM/ALBURY CONTROL ZONE (D)
LATERAL LIMITS: 35 56 53S 147 01 52E, 36 01 24S 146 49 30E
then along the minor arc of a circle of 7.00NM radius centred on
36 04 04S 146 57 29E (YMAY/AD) to 36 10 38S 146 54 28E
36 06 02S 147 07 03E,
then along the minor arc of a circle of 8.00NM radius centred on
36 04 04S 146 57 29E (YMAY/AD) to 35 56 53S 147 01 52E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/ALICE SPRINGS CONTROL ZONE (D)
LATERAL LIMITS: 23 38 46S 133 51 05E, 23 46 06S 134 04 44E
then along the minor arc of a circle of 10.10NM radius centred on
23 48 30S 133 54 03E (YBAS/AD) to 23 58 08S 133 56 50E
23 51 01S 133 43 36E,
then along the minor arc of a circle of 9.90NM radius centred on
23 48 30S 133 54 03E (YBAS/AD) to 23 38 46S 133 51 05E
VERTICAL LIMITS: SFC - 3500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/ARCHERFIELD CONTROL ZONE (D)
LATERAL LIMITS: 27 32 48S 152 57 31E, 27 30 11S 152 59 09E
27 33 43S 153 04 46E, 27 35 48S 153 03 22E
then along the minor arc of a circle of 3.00NM radius centred on
27 34 13S 153 00 29E (YBAF/AD) to 27 32 48S 152 57 31E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: ERSA
CONTROLLING AUTHORITY: Airservices Australia

YMMM/AVALON CONTROL ZONE (D)
LATERAL LIMITS: 38 08 36S 144 21 49E, 37 54 54S 144 24 29E
then along the minor arc of a circle of 8.00NM radius centred on
38 02 22S 144 28 10E (YMAV/AD) to 37 59 14S 144 37 29E
38 07 22S 144 36 05E,
then along the minor arc of a circle of 8.00NM radius centred on
38 02 22S 144 28 10E (YMAV/AD) to 38 08 36S 144 21 49E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/BANKSTOWN CONTROL ZONE (D)
LATERAL LIMITS: 33 57 53S 150 57 19E, 33 53 49S 150 56 17E
then along the minor arc of a circle of 3.00NM radius centred on
33 55 28S 150 59 18E (YSBK/AD) to 33 54 17S 151 02 37E
33 56 21S 151 01 28E,
then along the minor arc of a circle of 2.00NM radius centred on
33 55 28S 150 59 18E (YSBK/AD) to 33 57 20S 151 00 09E
33 57 53S 150 57 19E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: ERSA
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BROOME CONTROL ZONE (D)
LATERAL LIMITS: A circle of 9.00NM radius centred on
17 56 49S 122 14 05E (BRM/DME)
VERTICAL LIMITS: SFC - 2600
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/CAMDEN CONTROL ZONE (D)
LATERAL LIMITS: A circle of 2.00NM radius centred on
34 02 25S 150 41 14E (YSCN/AD)
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/COFFS HARBOUR CONTROL ZONE (D)
LATERAL LIMITS: 30 20 20S 152 58 59E,
then along the major arc of a circle of 7.00NM radius centred on
30 19 14S 153 06 59E (YCFS/AD) to 30 13 05S 153 03 06E
30 20 20S 152 58 59E
VERTICAL LIMITS: SFC - 1000
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/HAMILTON IS CONTROL ZONE (D)
LATERAL LIMITS: 20 19 34S 148 51 10E, 20 19 17S 148 50 09E
then along the minor arc of a circle of 7.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 14 03S 148 57 25E
20 15 03S 148 57 24E,
then along the minor arc of a circle of 6.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 24 08S 149 02 51E
20 25 37S 149 05 38E,
then along the minor arc of a circle of 9.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 30 04S 148 56 25E
20 27 04S 148 56 43E,
then along the minor arc of a circle of 6.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 19 34S 148 51 10E
VERTICAL LIMITS: SFC - 1000
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/HOBART CONTROL ZONE (D)
LATERAL LIMITS: 42 51 58S 147 21 33E, 42 49 49S 147 19 45E
then along the minor arc of a circle of 8.00NM radius centred on
42 50 10S 147 30 37E (YMHB/AD) to 42 42 23S 147 33 06E
42 48 51S 147 42 43E,
then along the minor arc of a circle of 9.00NM radius centred on
42 50 10S 147 30 37E (YMHB/AD) to 42 58 51S 147 33 52E
42 57 18S 147 31 40E, 42 51 58S 147 21 33E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/JANDAKOT CONTROL ZONE (D)
LATERAL LIMITS: A circle of 3.00NM radius centred on
32 05 51S 115 52 52E (YPJT/AD)
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: ERSA
CONTROLLING AUTHORITY: Airservices Australia

YMMM/KARRATHA CONTROL ZONE (D)
LATERAL LIMITS: A circle of 9.00NM radius centred on 20 42 54S 116 46 26E (KA/DME)
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/LAUNCESTON CONTROL ZONE (D)
LATERAL LIMITS: A circle of 8.00NM radius centred on 41 32 38S 147 12 47E (LT/DME)
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/MACKAY CONTROL ZONE (D)
LATERAL LIMITS: A circle of 6.00NM radius centred on 21 10 23S 149 11 15E (MK/DME)
VERTICAL LIMITS: SFC - 1000
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MOORABBIN CONTROL ZONE (D)
LATERAL LIMITS: A circle of 3.00NM radius centred on 37 58 33S 145 06 08E (YMMB/AD)
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: ERSA
CONTROLLING AUTHORITY: Airservices Australia

YMMM/PARAFIELD CONTROL ZONE (D)
LATERAL LIMITS: 34 48 38S 138 32 18E, 34 46 29S 138 34 13E
34 46 20S 138 35 36E,
then along LITTLE PARA RVR to 34 45 48S 138 37 07E
34 44 51S 138 38 37E,
then along the minor arc of a circle of 3.00NM radius centred on 34 47 47S 138 37 52E (PF/NDB) to 34 48 19S 138 41 27E
34 50 54S 138 36 57E, 34 50 57S 138 35 55E
34 48 38S 138 32 18E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: ERSA
CONTROLLING AUTHORITY: Airservices Australia

YBBB/ROCKHAMPTON CONTROL ZONE (D)
LATERAL LIMITS: 23 24 49S 150 21 12E,
then along the minor arc of a circle of 7.00NM radius centred on 23 22 09S 150 28 14E to 23 19 29S 150 35 16E
23 20 46S 150 35 51E,
then along the major arc of a circle of 7.00NM radius centred on 23 23 26S 150 28 48E to 23 26 07S 150 21 46E
23 24 49S 150 21 12E
VERTICAL LIMITS: SFC - 1000
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/SUNSHINE COAST CONTROL ZONE (D)
LATERAL LIMITS: 26 43 33S 153 02 51E, 26 41 58S 153 02 20E
then along 1NM EAST OF BRUCE HWY to 26 31 47S 152 57 44E
then along the major arc of a circle of 8.00NM radius centred on 26 35 52S 153 05 25E (SU/DME) to 26 43 33S 153 02 51E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/TAMWORTH CONTROL ZONE (D)
LATERAL LIMITS: 31 12 52S 150 48 00E, 31 14 51S 150 47 36E
then along the minor arc of a circle of 11.00NM radius centred on 31 03 58S 150 49 48E (TW/DME) to 31 05 53S 151 02 25E
30 54 59S 150 49 06E,
then along the minor arc of a circle of 9.00NM radius centred on 31 03 58S 150 49 48E (TW/DME) to 31 12 52S 150 48 00E
VERTICAL LIMITS: SFC - 3500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

SECTION 4 – CONTROLLED AIRSPACE A

YMMM/ADELAIDE CTA A

LATERAL LIMITS: 35 30 01S 136 49 20E, 35 15 26S 137 34 54E
then along the minor arc of a circle of 50.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 45 40S 138 18 03E
36 24 22S 138 05 12E,
then along the major arc of a circle of 90.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 30 01S 136 49 20E
VERTICAL LIMITS: FL180 - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE FIR CTA A1

LATERAL LIMITS: 22 47 31S 147 32 14E, 20 43 43S 147 01 35E
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 18 20 13S 145 29 46E
then along the major arc of a circle of 90.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 17 45 21S 146 59 48E
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 19 24 06S 148 20 08E
19 44 56S 148 57 43E, 20 38 57S 149 30 41E
25 52 15S 153 19 26E,
then along the minor arc of a circle of 90.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 13 12S 154 48 54E
then along the minor arc of a circle of 90.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 29 39 25S 153 45 06E
30 40 20S 153 31 46E, 32 52 40S 152 26 42E
then along the minor arc of a circle of 90.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 59 00S 152 29 22E
34 28 18S 151 49 23E,
then along the major arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 25 34S 150 31 41E
32 37 32S 149 29 53E, 32 33 39S 149 35 37E
32 04 00S 150 45 26E, 31 39 33S 150 42 42E
31 18 48S 150 46 50E,
then along the minor arc of a circle of 15.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 30 48 57S 150 49 46E
30 25 04S 150 52 26E, 29 19 33S 151 28 53E
28 58 42S 151 47 37E,
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 41 15S 151 01 54E
23 36 36S 148 43 03E, 23 14 43S 148 51 18E
23 20 00S 148 00 00E, 22 47 31S 147 32 14E
VERTICAL LIMITS: FL180 - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE FIR CTA A2

LATERAL LIMITS: 12 00 00S 114 30 00E, 12 00 00S 123 20 00E
09 20 00S 126 50 00E, 07 00 00S 135 00 00E
09 50 00S 139 40 00E, 09 50 00S 141 00 00E
09 37 00S 141 01 06E, 09 15 42S 142 03 30E
then along QLD/PNG border to 09 19 24S 142 48 18E
09 08 00S 143 52 30E, 09 24 00S 144 14 00E
09 56 34S 144 05 21E,
then along the Barrier Reef to 11 30 00S 144 01 36E
11 43 30S 144 04 20E, 12 00 00S 144 00 00E
12 00 00S 155 00 00E, 14 00 00S 155 00 00E
14 00 00S 161 15 00E, 17 40 00S 163 00 00E
45 00 00S 163 00 00E, 45 00 00S 150 00 00E
44 33 57S 150 00 00E, 43 51 03S 150 39 53E
43 00 00S 151 00 00E, 38 11 19S 150 19 14E
36 56 43S 150 45 03E,
then along the minor arc of a circle of 120.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 35 18 59S 152 55 50E
34 28 18S 151 49 23E,
then along the major arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 25 34S 150 31 41E
32 05 40S 148 49 51E, 29 00 00S 146 32 00E
29 00 00S 143 30 00E, 26 13 31S 138 23 24E
22 17 51S 136 38 07E, 21 51 32S 136 22 25E
21 29 59S 136 19 44E, 21 12 09S 131 50 24E
23 13 13S 128 27 49E, 23 23 49S 126 03 32E
21 31 19S 124 33 04E, 20 03 18S 121 40 22E
19 00 00S 120 15 00E, 14 08 13S 115 08 32E
12 00 00S 114 30 00E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/DARWIN CTA A1

LATERAL LIMITS: A circle of 90.00NM radius centred on
12 25 24S 130 54 23E (DN/DME)
VERTICAL LIMITS: FL180 - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE FIR CTA A1

LATERAL LIMITS: 32 37 32S 149 29 53E, 33 22 22S 148 22 27E
34 17 02S 148 27 30E,
then along the minor arc of a circle of 70.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 50 04S 147 52 58E
34 58 56S 147 40 34E,
then along the minor arc of a circle of 15.00NM radius centred on
35 09 57S 147 28 08E (WG/DME) to 35 16 44S 147 11 48E
35 27 14S 146 47 07E, 36 19 28S 145 41 54E
then along the minor arc of a circle of 90.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 24 34S 143 11 49E
37 54 04S 144 17 22E,
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 08 38S 144 40 49E
38 30 58S 145 07 38E, 39 47 36S 145 07 30E
40 59 50S 145 34 16E, 42 22 31S 146 30 07E
42 40 01S 146 53 37E, 42 46 40S 147 03 30E
42 48 40S 147 18 48E, 42 51 58S 147 21 33E
42 57 18S 147 31 40E, 43 18 49S 148 02 31E
then along the minor arc of a circle of 36.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 43 01S 148 19 20E
42 47 26S 147 52 51E,
then along the minor arc of a circle of 16.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 36 38S 147 41 38E
42 06 26S 148 02 44E, 41 14 33S 148 38 07E
38 44 00S 146 27 40E,
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 38 36 40S 146 18 48E
then along the minor arc of a circle of 90.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 01 50S 146 33 00E
36 14 52S 147 56 10E, 35 45 49S 149 01 48E
35 40 41S 149 11 40E, 35 33 27S 149 25 31E
35 25 48S 149 38 33E, 35 44 49S 150 37 09E
35 19 57S 150 34 29E,
then along the minor arc of a circle of 23.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 34 56 07S 150 59 57E
34 43 56S 151 00 00E, 34 41 07S 151 02 28E
then along the major arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 25 34S 150 31 41E
32 37 32S 149 29 53E
VERTICAL LIMITS: FL180 - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE FIR CTA A2

LATERAL LIMITS: 06 00 00S 075 00 00E, 02 00 00S 078 00 00E
02 00 00S 092 00 00E, 12 00 00S 107 00 00E
12 00 00S 114 30 00E, 14 08 13S 115 08 32E
19 00 00S 120 15 00E, 20 03 18S 121 40 22E
21 31 19S 124 33 04E, 23 23 49S 126 03 32E
23 13 13S 128 27 49E, 21 12 09S 131 50 24E
21 29 59S 136 19 44E, 21 51 32S 136 22 25E
22 17 51S 136 38 07E, 26 13 31S 138 23 24E
29 00 00S 143 30 00E, 29 00 00S 146 32 00E
32 05 40S 148 49 51E, 33 25 34S 150 31 41E
then along the major arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 28 18S 151 49 23E
35 18 59S 152 55 50E,
then along the minor arc of a circle of 120.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 36 56 43S 150 45 03E
38 11 19S 150 19 14E, 43 00 00S 151 00 00E
43 51 03S 150 39 53E, 44 33 57S 150 00 00E
45 00 00S 150 00 00E, 45 00 00S 163 00 00E
80 00 00S 163 00 00E, 80 00 00S 075 00 00E
06 00 00S 075 00 00E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/PERTH CTA A

LATERAL LIMITS: 33 03 37S 114 46 13E, 32 45 14S 115 06 24E
32 34 11S 115 18 26E, 32 23 51S 115 29 38E
32 13 29S 115 40 47E, 32 13 49S 115 56 52E
32 13 35S 116 05 03E, 32 15 56S 116 10 15E
32 24 16S 116 24 56E, 32 32 16S 116 39 06E
32 40 42S 116 54 07E, 32 54 36S 117 19 06E
then along the major arc of a circle of 90.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 33 03 37S 114 46 13E
VERTICAL LIMITS: FL180 - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

SECTION 5 – CONTROLLED AIRSPACE C

YMMM/ADELAIDE CTA C1

LATERAL LIMITS: 34 47 27S 138 24 26E, 34 44 30S 138 31 50E
then along the minor arc of a circle of 5.00NM radius centred on
34 42 09S 138 37 15E (YPED/AD) to 34 46 29S 138 34 13E
34 46 20S 138 35 36E,
then along LITTLE PARA RVR to 34 45 48S 138 37 07E
34 44 51S 138 38 37E,
then along the minor arc of a circle of 3.00NM radius centred on
34 47 47S 138 37 52E (PF/NDB) to 34 48 19S 138 41 27E
34 48 47S 138 40 38E,
then along the major arc of a circle of 11.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 34 47 27S 138 24 26E
VERTICAL LIMITS: 1500 - 2500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/ADELAIDE CTA C2

LATERAL LIMITS: A circle of 20.00NM radius centred on
34 56 49S 138 31 28E (AD/DME)
VERTICAL LIMITS: 2500 - 4500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/ADELAIDE CTA C3

LATERAL LIMITS: A circle of 36.00NM radius centred on
34 56 49S 138 31 28E (AD/DME)
VERTICAL LIMITS: 4500 - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/ADELAIDE CTA C4

LATERAL LIMITS: A circle of 50.00NM radius centred on
34 56 49S 138 31 28E (AD/DME)
VERTICAL LIMITS: 8500 - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/ADELAIDE CTA C5

LATERAL LIMITS: 35 20 56S 137 17 51E, 35 15 26S 137 34 54E
then along the minor arc of a circle of 50.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 45 40S 138 18 03E
36 00 11S 138 13 15E,
then along the major arc of a circle of 65.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 20 56S 137 17 51E
VERTICAL LIMITS: FL125 - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/ALBURY CTA C1

LATERAL LIMITS: 35 48 11S 147 00 28E, 35 34 47S 147 06 06E
then along the minor arc of a circle of 30.00NM radius centred on
36 04 05S 146 57 58E (AY/DME) to 35 55 46S 147 33 30E
36 00 42S 147 17 15E,
then along the minor arc of a circle of 16.00NM radius centred on
36 04 05S 146 57 58E (AY/DME) to 36 20 06S 146 58 50E
36 29 03S 146 55 31E,
then along the minor arc of a circle of 25.00NM radius centred on
36 04 05S 146 57 58E (AY/DME) to 36 15 20S 146 30 24E
36 09 40S 146 39 28E,
then along the minor arc of a circle of 16.00NM radius centred on
36 04 05S 146 57 58E (AY/DME) to 35 48 11S 147 00 28E
VERTICAL LIMITS: 4500 - 8500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/ALBURY CTA C2

LATERAL LIMITS: 36 18 27S 146 25 25E, 36 15 20S 146 30 24E
then along the minor arc of a circle of 25.00NM radius centred on
36 04 05S 146 57 58E (AY/DME) to 36 29 03S 146 55 31E
36 33 56S 146 53 42E,
then along the minor arc of a circle of 30.00NM radius centred on
36 04 05S 146 57 58E (AY/DME) to 36 18 27S 146 25 25E
VERTICAL LIMITS: 5500 - 8500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/ALBURY CTA C3

LATERAL LIMITS: 35 48 11S 147 00 28E, 35 20 30S 147 12 04E
then along the minor arc of a circle of 45.00NM radius centred on
36 04 05S 146 57 58E (AY/DME) to 35 50 27S 147 50 48E
36 00 42S 147 17 15E,
then along the minor arc of a circle of 16.00NM radius centred on
36 04 05S 146 57 58E (AY/DME) to 36 20 06S 146 58 50E
36 48 28S 146 48 17E,
then along the minor arc of a circle of 45.00NM radius centred on
36 04 05S 146 57 58E (AY/DME) to 36 27 40S 146 10 33E
36 09 40S 146 39 28E,
then along the minor arc of a circle of 16.00NM radius centred on
36 04 05S 146 57 58E (AY/DME) to 35 48 11S 147 00 28E
VERTICAL LIMITS: 8500 - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/ALICE SPRINGS CTA C1

LATERAL LIMITS: A circle of 22.00NM radius centred on
23 47 34S 133 52 42E (AS/DME)
VERTICAL LIMITS: 4500 - 6500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/ALICE SPRINGS CTA C2

LATERAL LIMITS: 24 25 51S 134 01 29E, 24 22 54S 134 00 48E
then along the major arc of a circle of 36.00NM radius centred on
23 47 34S 133 52 42E (AS/DME) to 23 51 21S 134 31 44E
23 51 39S 134 35 00E,
then along the minor arc of a circle of 39.00NM radius centred on
23 47 34S 133 52 42E (AS/DME) to 24 25 51S 134 01 29E
VERTICAL LIMITS: 6500 - FL115
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/ALICE SPRINGS CTA C3

LATERAL LIMITS: 24 36 39S 134 03 59E, 24 31 44S 134 02 50E
then along the major arc of a circle of 45.00NM radius centred on
23 47 34S 133 52 42E (AS/DME) to 23 52 16S 134 41 30E
23 52 46S 134 46 56E,

then along the minor arc of a circle of 50.00NM radius centred on
23 47 34S 133 52 42E (AS/DME) to 24 36 39S 134 03 59E
VERTICAL LIMITS: FL115 - FL145
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/ALICE SPRINGS CTA C4

LATERAL LIMITS: A circle of 60.00NM radius centred on
23 47 34S 133 52 42E (AS/DME)
VERTICAL LIMITS: FL145 - FL180
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/ALICE SPRINGS CTA C5

LATERAL LIMITS: A circle of 80.00NM radius centred on
23 47 34S 133 52 42E (AS/DME)
VERTICAL LIMITS: FL180 - FL245
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CTA C01

LATERAL LIMITS: 27 13 16S 153 09 03E, 27 11 11S 153 09 17E
then along the minor arc of a circle of 12.00NM radius centred on
27 23 03S 153 07 03E (YBBN/AD) to 27 32 57S 153 14 44E
27 33 43S 153 04 46E, 27 30 11S 152 59 09E
27 28 33S 153 00 57E,
then along the minor arc of a circle of 7.00NM radius centred on
27 24 10S 153 07 06E to 27 20 58S 153 00 06E
27 17 00S 152 59 49E, 27 13 54S 153 04 35E
27 13 16S 153 09 03E
VERTICAL LIMITS: 1000 - 1500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CTA C02

LATERAL LIMITS: 27 23 45S 152 55 51E, 27 16 59S 152 55 25E
then along the major arc of a circle of 12.00NM radius centred on
27 23 03S 153 07 03E (YBBN/AD) to 27 32 56S 153 14 50E
27 33 43S 153 04 46E, 27 35 48S 153 03 22E
then along the minor arc of a circle of 3.00NM radius centred on
27 34 13S 153 00 29E (YBAF/AD) to 27 32 48S 152 57 31E
27 30 11S 152 59 09E,
then along the minor arc of a circle of 10.00NM radius centred on
27 23 03S 153 07 03E (YBBN/AD) to 27 23 45S 152 55 51E
VERTICAL LIMITS: 1500 - 2000
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CTA C03

LATERAL LIMITS: 27 23 45S 152 55 51E, 27 16 59S 152 55 25E
then along the minor arc of a circle of 12.00NM radius centred on
27 23 03S 153 07 03E (YBBN/AD) to 27 11 08S 153 09 17E
27 08 11S 153 09 37E,
then along the major arc of a circle of 15.00NM radius centred on
27 23 03S 153 07 03E (YBBN/AD) to 27 37 09S 153 01 13E
then along the minor arc of a circle of 3.00NM radius centred on
27 34 13S 153 00 29E (YBAF/AD) to 27 32 48S 152 57 31E
27 30 11S 152 59 09E,
then along the minor arc of a circle of 10.00NM radius centred on
27 23 03S 153 07 03E (YBBN/AD) to 27 23 45S 152 55 51E
VERTICAL LIMITS: 2000 - 2500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CTA C04

LATERAL LIMITS: 27 35 21S 152 57 21E,
then along the minor arc of a circle of 3.00NM radius centred on
27 34 13S 153 00 29E (YBAF/AD) to 27 37 09S 153 01 13E
then along the major arc of a circle of 15.00NM radius centred on
27 23 03S 153 07 03E (YBBN/AD) to 27 35 21S 152 57 21E
VERTICAL LIMITS: 2500 - 3500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CTA C05

LATERAL LIMITS: 27 42 34S 152 52 59E, 27 13 25S 152 41 03E
27 04 55S 152 52 41E,
then along the minor arc of a circle of 22.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 13 42S 153 31 15E
28 01 49S 153 53 16E,
then along the minor arc of a circle of 22.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 32 02S 153 33 10E
then along COAST 500 to 28 24 50S 153 33 48E
then along the minor arc of a circle of 15.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 19 45S 153 17 10E
28 04 00S 153 21 17E, 27 57 09S 153 17 23E
27 43 42S 153 04 10E, 27 42 34S 152 52 59E
VERTICAL LIMITS: 3500 - 4500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CTA C06

LATERAL LIMITS: 27 57 09S 153 17 23E, 27 51 51S 153 12 10E
then along the major arc of a circle of 30.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 32 38S 153 39 53E
27 42 53S 153 44 34E,
then along the minor arc of a circle of 30.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 39 31S 153 37 30E
then along COAST 90 to 28 35 13S 153 33 56E
then along COAST 91 to 28 32 02S 153 33 10E
then along the minor arc of a circle of 22.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 27 40S 153 15 06E
28 04 00S 153 21 17E, 27 57 09S 153 17 23E
VERTICAL LIMITS: 4500 - 6500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CTA C07

LATERAL LIMITS: 27 52 15S 153 12 33E, 27 51 51S 153 12 10E
then along the major arc of a circle of 30.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 32 38S 153 39 53E
27 42 53S 153 44 34E,
then along the major arc of a circle of 30.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 28 27S 153 03 16E
27 52 15S 153 12 33E
VERTICAL LIMITS: 6500 - 7500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CTA C08

LATERAL LIMITS: 28 02 02S 153 10 03E, 28 28 27S 153 03 16E
then along the major arc of a circle of 30.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 27 43 37S 153 46 14E
then along the major arc of a circle of 40.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 02 02S 153 10 03E

VERTICAL LIMITS: 7500 - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CTA C09

LATERAL LIMITS: 27 29 52S 154 03 51E,
then along the major arc of a circle of 50.00NM radius centred on 27 21 57S 153 08 21E (BN/DME) to 28 02 00S 152 34 27E
then along the major arc of a circle of 50.00NM radius centred on 28 10 08S 153 30 14E (CG/DME) to 27 29 52S 154 03 51E
VERTICAL LIMITS: 8500 - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CTA C10

LATERAL LIMITS: 28 08 12S 152 16 44E,
then along the major arc of a circle of 65.00NM radius centred on 27 21 57S 153 08 21E (BN/DME) to 27 23 26S 154 21 21E
then along the minor arc of a circle of 65.00NM radius centred on 28 10 08S 153 30 14E (CG/DME) to 29 14 33S 153 41 27E
29 38 12S 153 28 55E, 29 51 50S 153 21 39E
29 59 06S 153 17 45E, 30 03 38S 153 15 19E
30 08 11S 153 12 53E,
then along the minor arc of a circle of 12.00NM radius centred on 30 19 10S 153 07 16E (CFS/DME) to 30 31 11S 153 06 38E
30 36 12S 153 06 31E, 30 41 13S 153 06 24E
30 55 14S 153 06 05E, 31 04 15S 153 05 53E
31 14 17S 153 05 39E,
then along the minor arc of a circle of 55.00NM radius centred on 30 19 10S 153 07 16E (CFS/DME) to 30 52 00S 152 16 03E
30 46 02S 152 25 23E, 30 40 40S 152 33 47E
30 32 17S 152 46 48E, 30 29 17S 152 51 26E
30 26 12S 152 56 00E, 30 20 20S 152 58 59E
30 13 05S 153 03 06E, 30 07 50S 153 02 39E
30 03 03S 153 00 54E, 29 58 17S 152 59 08E
29 50 38S 152 56 19E, 29 36 19S 152 51 04E
28 54 02S 152 35 42E,
then along the minor arc of a circle of 65.00NM radius centred on 28 10 08S 153 30 14E (CG/DME) to 28 08 12S 152 16 44E
VERTICAL LIMITS: FL125 - FL155
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CTA C11

LATERAL LIMITS: 28 08 12S 152 16 44E,
then along the major arc of a circle of 65.00NM radius centred on 27 21 57S 153 08 21E (BN/DME) to 27 23 26S 154 21 21E
then along the minor arc of a circle of 65.00NM radius centred on 28 10 08S 153 30 14E (CG/DME) to 29 14 33S 153 41 27E
29 38 12S 153 28 55E, 29 51 50S 153 21 39E
29 59 06S 153 17 45E, 30 03 38S 153 15 19E
30 08 11S 153 12 53E,
then along the minor arc of a circle of 12.00NM radius centred on 30 19 10S 153 07 16E (CFS/DME) to 30 31 11S 153 06 38E
30 36 12S 153 06 31E, 30 41 13S 153 06 24E
30 55 14S 153 06 05E, 31 04 15S 153 05 53E
31 14 17S 153 05 39E, 31 24 18S 153 05 25E
then along the minor arc of a circle of 65.00NM radius centred on 30 19 10S 153 07 16E (CFS/DME) to 30 57 56S 152 06 42E
30 52 00S 152 16 03E, 30 46 02S 152 25 23E
30 40 40S 152 33 47E, 30 32 17S 152 46 48E
30 29 17S 152 51 26E, 30 26 12S 152 56 00E
30 20 20S 152 58 59E, 30 13 05S 153 03 06E
30 07 50S 153 02 39E, 30 03 03S 153 00 54E
29 58 17S 152 59 08E, 29 50 38S 152 56 19E
29 36 19S 152 51 04E, 28 54 02S 152 35 42E
then along the minor arc of a circle of 65.00NM radius centred on 28 10 08S 153 30 14E (CG/DME) to 28 08 12S 152 16 44E
VERTICAL LIMITS: FL155 - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/CAIRNS CTA C1

LATERAL LIMITS: 16 48 41S 145 38 09E, 16 42 52S 145 35 25E
then along the minor arc of a circle of 12.00NM radius centred on 16 51 01S 145 44 38E (CS/DME) to 16 41 24S 145 52 13E
16 46 03S 145 48 34E,
then along the minor arc of a circle of 7.00NM radius centred on 16 51 57S 145 44 37E to 16 48 41S 145 38 09E
VERTICAL LIMITS: 1000 - 1500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/CAIRNS CTA C2

LATERAL LIMITS: 16 48 41S 145 38 09E, 16 42 52S 145 35 25E
then along the major arc of a circle of 12.00NM radius centred on 16 51 01S 145 44 38E (CS/DME) to 17 02 53S 145 46 42E
17 00 31S 145 46 16E,
then along the minor arc of a circle of 7.00NM radius centred on 16 53 32S 145 45 20E to 17 00 30S 145 44 20E
16 53 20S 145 39 30E, 16 48 41S 145 38 09E
VERTICAL LIMITS: 1500 - 2500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/CAIRNS CTA C3

LATERAL LIMITS: 16 42 52S 145 35 25E, 16 33 18S 145 30 55E
then along the minor arc of a circle of 22.00NM radius centred on 16 51 01S 145 44 38E (CS/DME) to 16 29 07S 145 41 29E
16 33 06S 145 42 03E,
then along the minor arc of a circle of 18.00NM radius centred on 16 51 01S 145 44 38E (CS/DME) to 17 08 49S 145 47 45E
17 00 31S 145 46 16E,
then along the minor arc of a circle of 7.00NM radius centred on 16 53 32S 145 45 20E to 17 00 30S 145 44 20E
16 53 20S 145 39 30E, 16 52 43S 145 39 19E
16 54 44S 145 32 45E,
then along the minor arc of a circle of 12.00NM radius centred on 16 51 01S 145 44 38E (CS/DME) to 16 42 52S 145 35 25E
VERTICAL LIMITS: 2500 - 3500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/CAIRNS CTA C4

LATERAL LIMITS: 16 37 04S 145 32 42E, 16 33 18S 145 30 55E
then along the major arc of a circle of 22.00NM radius centred on 16 51 01S 145 44 38E (CS/DME) to 17 12 47S 145 48 28E
17 02 53S 145 46 42E,
then along the minor arc of a circle of 12.00NM radius centred on 16 51 01S 145 44 38E (CS/DME) to 16 54 44S 145 32 45E
16 56 33S 145 26 47E,
then along the minor arc of a circle of 18.00NM radius centred on 16 51 01S 145 44 38E (CS/DME) to 16 37 04S 145 32 42E
VERTICAL LIMITS: 3500 - 4500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/CAIRNS CTA C5

LATERAL LIMITS: 17 05 46S 145 10 22E,
then along the major arc of a circle of 36.00NM radius centred on 16 51 01S 145 44 38E (CS/DME) to 17 24 19S 145 59 13E

17 11 22S 145 53 32E,
then along the minor arc of a circle of 22.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 58 37S 145 23 07E
17 05 46S 145 10 22E
VERTICAL LIMITS: 4500 - 5500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/CAIRNS CTA C6

LATERAL LIMITS: 17 05 46S 145 10 22E,
then along the major arc of a circle of 36.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 17 27 07S 145 43 07E
17 13 04S 145 43 41E,
then along the minor arc of a circle of 22.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 58 37S 145 23 07E
17 05 46S 145 10 22E
VERTICAL LIMITS: 5500 - 6500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/CAIRNS CTA C7

LATERAL LIMITS: 17 05 46S 145 10 22E, 17 12 52S 144 57 41E
then along the major arc of a circle of 50.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 17 41 09S 145 42 32E
17 27 07S 145 43 07E,
then along the minor arc of a circle of 36.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 17 05 46S 145 10 22E
VERTICAL LIMITS: 6500 - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/CAIRNS CTA C8

LATERAL LIMITS: A circle of 50.00NM radius centred on
16 51 01S 145 44 38E (CS/DME)
VERTICAL LIMITS: 8500 - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/CAIRNS CTA C9

LATERAL LIMITS: A circle of 65.00NM radius centred on
16 51 01S 145 44 38E (CS/DME)
VERTICAL LIMITS: FL125 - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/CANBERRA CTA C1

LATERAL LIMITS: 35 06 39S 149 06 49E, 35 01 59S 149 04 35E
then along the minor arc of a circle of 16.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 35 03 15S 149 22 00E
35 08 30S 149 20 27E,
then along the minor arc of a circle of 11.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 35 27 24S 149 15 48E
35 29 25S 149 16 06E,
then along the minor arc of a circle of 13.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 35 29 44S 149 09 07E
35 27 31S 149 08 12E,
then along the minor arc of a circle of 11.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 35 06 39S 149 06 49E
VERTICAL LIMITS: 3500 - 4500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/CANBERRA CTA C2

LATERAL LIMITS: 35 31 30S 149 03 44E, 35 35 50S 149 03 49E
then along the minor arc of a circle of 20.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 35 35 41S 149 20 15E
35 31 20S 149 20 15E,
then along the major arc of a circle of 16.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 35 31 30S 149 03 44E
VERTICAL LIMITS: 4500 - 5500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/CANBERRA CTA C3

LATERAL LIMITS: A circle of 20.00NM radius centred on
35 16 53S 149 11 45E (CB/DME)
VERTICAL LIMITS: 5500 - 6500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/CANBERRA CTA C4

LATERAL LIMITS: 35 40 41S 149 11 40E, 35 45 49S 149 01 48E
then along the major arc of a circle of 30.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 35 20 06S 149 48 12E
35 33 27S 149 25 31E, 35 40 41S 149 11 40E
VERTICAL LIMITS: 6500 - 8500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/CANBERRA CTA C5

LATERAL LIMITS: 35 51 58S 148 48 04E,
then along the major arc of a circle of 40.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 35 12 37S 150 00 19E
35 20 06S 149 48 12E, 35 33 27S 149 25 31E
35 45 49S 149 01 48E, 35 51 58S 148 48 04E
VERTICAL LIMITS: 8500 - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/COFFS HARBOUR CTA C1

LATERAL LIMITS: 29 58 17S 152 59 08E,
then along the minor arc of a circle of 22.00NM radius centred on
30 19 10S 153 07 16E (CFS/DME) to 29 59 06S 153 17 45E
30 03 38S 153 15 19E, 30 08 11S 153 12 53E
then along the minor arc of a circle of 12.00NM radius centred on
30 19 10S 153 07 16E (CFS/DME) to 30 31 11S 153 06 38E
30 36 12S 153 06 31E, 30 41 13S 153 06 24E
30 55 14S 153 06 05E,
then along the minor arc of a circle of 36.00NM radius centred on
30 19 10S 153 07 16E (CFS/DME) to 30 40 40S 152 33 47E
30 32 17S 152 46 48E, 30 29 17S 152 51 26E
30 26 12S 152 56 00E, 30 20 20S 152 58 59E
30 13 05S 153 03 06E, 30 07 50S 153 02 39E
30 03 03S 153 00 54E, 29 58 17S 152 59 08E
VERTICAL LIMITS: 4500 - 5500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/COFFS HARBOUR CTA C2

LATERAL LIMITS: 29 50 38S 152 56 19E,
then along the minor arc of a circle of 30.00NM radius centred on
30 19 10S 153 07 16E (CFS/DME) to 29 51 50S 153 21 39E
29 59 06S 153 17 45E, 30 03 38S 153 15 19E
30 08 11S 153 12 53E,

then along the minor arc of a circle of 12.00NM radius centred on
30 19 10S 153 07 16E (CFS/DME) to 30 31 11S 153 06 38E
30 36 12S 153 06 31E, 30 41 13S 153 06 24E
30 55 14S 153 06 05E,
then along the minor arc of a circle of 36.00NM radius centred on
30 19 10S 153 07 16E (CFS/DME) to 30 40 40S 152 33 47E
30 32 17S 152 46 48E, 30 29 17S 152 51 26E
30 26 12S 152 56 00E, 30 20 20S 152 58 59E
30 13 05S 153 03 06E, 30 07 50S 153 02 39E
30 03 03S 153 00 54E, 29 58 17S 152 59 08E
29 50 38S 152 56 19E
VERTICAL LIMITS: 5500 - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/COFFS HARBOUR CTA C3

LATERAL LIMITS: 29 36 19S 152 51 04E,
then along the minor arc of a circle of 45.00NM radius centred on
30 19 10S 153 07 16E (CFS/DME) to 29 38 12S 153 28 55E
29 51 50S 153 21 39E, 29 59 06S 153 17 45E
30 03 38S 153 15 19E, 30 08 11S 153 12 53E
then along the minor arc of a circle of 12.00NM radius centred on
30 19 10S 153 07 16E (CFS/DME) to 30 31 11S 153 06 38E
30 36 12S 153 06 31E, 30 41 13S 153 06 24E
30 55 14S 153 06 05E, 31 04 15S 153 05 53E
then along the minor arc of a circle of 45.00NM radius centred on
30 19 10S 153 07 16E (CFS/DME) to 30 46 02S 152 25 23E
30 40 40S 152 33 47E, 30 32 17S 152 46 48E
30 29 17S 152 51 26E, 30 26 12S 152 56 00E
30 20 20S 152 58 59E, 30 13 05S 153 03 06E
30 07 50S 153 02 39E, 30 03 03S 153 00 54E
29 58 17S 152 59 08E, 29 50 38S 152 56 19E
29 36 19S 152 51 04E
VERTICAL LIMITS: 8500 - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/DARWIN CTA C1

LATERAL LIMITS: 12 24 58S 130 58 05E, 12 19 36S 130 58 03E
then along the minor arc of a circle of 7.00NM radius centred on
12 25 09S 130 53 40E to 12 31 30S 130 56 45E
12 24 58S 130 58 05E
VERTICAL LIMITS: 500 - 1000
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Dept of Defence - RAAF

YBBB/DARWIN CTA C2

LATERAL LIMITS: 12 28 38S 130 46 05E, 12 29 46S 130 38 06E
then along the major arc of a circle of 15.00NM radius centred on
12 24 53S 130 52 36E (YPDN/AD) to 12 30 00S 131 07 02E
12 38 12S 130 52 38E, 12 36 04S 130 46 18E
then along THE PORT DARWIN COT/1 to 12 29 10S 130 46 31E
then along the minor arc of a circle of 7.00NM radius centred on
12 24 34S 130 51 55E to 12 28 38S 130 46 05E
VERTICAL LIMITS: 1000 - 2500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Dept of Defence - RAAF

YBBB/DARWIN CTA C3

LATERAL LIMITS: 11 59 08S 130 39 21E, 12 03 30S 130 41 51E
then along the minor arc of a circle of 25.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 00 33S 130 50 39E
11 55 35S 130 49 55E,
then along the major arc of a circle of 30.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 11 59 08S 130 39 21E
VERTICAL LIMITS: 2500 - 6500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Dept of Defence - RAAF

YBBB/DARWIN CTA C4

LATERAL LIMITS: A circle of 40.00NM radius centred on
12 25 24S 130 54 23E (DN/DME)
VERTICAL LIMITS: 6500 - 9500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Dept of Defence - RAAF

YBBB/DARWIN CTA C5

LATERAL LIMITS: A circle of 50.00NM radius centred on
12 25 24S 130 54 23E (DN/DME)
CONTROLLING AUTHORITY: WI 40NM DN/DME: Dept of Defence - RAAF. BTN 40NM & 50NM DN/DME: AsA.
VERTICAL LIMITS: 9500 - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY:

YBBB/DARWIN CTA C6

LATERAL LIMITS: A circle of 65.00NM radius centred on
12 25 24S 130 54 23E (DN/DME)
CONTROLLING AUTHORITY: WI 40NM DN/DME: Dept of Defence - RAAF. BTN 40NM & 65NM DN/DME: AsA.
VERTICAL LIMITS: FL125 - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY:

YBBB/GOLD COAST CTA C1

LATERAL LIMITS: 27 59 13S 153 18 34E, 28 04 00S 153 21 17E
28 07 09S 153 23 04E, 28 16 39S 153 27 50E
then along THE TWEED RIVER to 28 19 18S 153 25 38E
then along the minor arc of a circle of 10.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 19 32S 153 34 12E
then along COAST 76 to 28 24 50S 153 33 48E
then along the major arc of a circle of 15.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 27 59 13S 153 18 34E
VERTICAL LIMITS: 1500 - 2500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/GOLD COAST CTA C2

LATERAL LIMITS: 28 04 00S 153 21 17E, 27 59 13S 153 18 34E
then along the major arc of a circle of 15.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 19 45S 153 17 10E
28 04 00S 153 21 17E
VERTICAL LIMITS: 2500 - 3500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/HOBART CTA C1

LATERAL LIMITS: 42 40 01S 146 53 37E, 42 36 12S 146 48 28E
then along the minor arc of a circle of 35.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 19 46S 147 53 28E
42 36 38S 147 41 38E,
then along the minor arc of a circle of 16.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 47 26S 147 52 51E
42 43 01S 148 19 20E,
then along the minor arc of a circle of 36.00NM radius centred on

42 50 50S 147 31 36E (HB/DME) to 43 18 49S 148 02 31E
42 57 18S 147 31 40E, 42 51 58S 147 21 33E
42 48 40S 147 18 48E, 42 46 40S 147 03 30E
42 40 01S 146 53 37E
VERTICAL LIMITS: 4500 - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/HOBART CTA C2

LATERAL LIMITS: 42 25 05S 146 33 32E, 42 40 01S 146 53 37E
42 46 40S 147 03 30E, 42 48 40S 147 18 48E
42 51 58S 147 21 33E, 42 57 18S 147 31 40E
43 18 49S 148 02 31E,
then along the minor arc of a circle of 36.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 43 01S 148 19 20E
42 47 26S 147 52 51E,
then along the minor arc of a circle of 16.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 36 38S 147 41 38E
42 06 26S 148 02 44E,
then along the minor arc of a circle of 50.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 02 46S 147 50 19E
41 52 26S 147 42 53E,
then along the minor arc of a circle of 30.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 42 01 16S 147 00 46E
42 06 47S 146 59 36E,
then along the minor arc of a circle of 50.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 25 05S 146 33 32E
VERTICAL LIMITS: 8500 - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/LAUNCESTON CTA C1

LATERAL LIMITS: 41 19 59S 146 36 36E, 41 31 39S 147 00 31E
41 41 54S 147 04 52E, 42 01 16S 147 00 46E
then along the minor arc of a circle of 30.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 41 52 26S 147 42 53E
41 17 05S 147 17 47E, 41 02 37S 147 12 54E
then along the minor arc of a circle of 30.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 41 19 59S 146 36 36E
VERTICAL LIMITS: 4500 - 6500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/LAUNCESTON CTA C2

LATERAL LIMITS: 41 41 54S 147 04 52E, 42 01 16S 147 00 46E
then along the minor arc of a circle of 30.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 41 52 26S 147 42 53E
41 27 27S 147 25 05E, 41 17 40S 147 47 21E
then along the minor arc of a circle of 30.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 41 02 37S 147 12 54E
then along the minor arc of a circle of 30.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 41 19 59S 146 36 36E
41 31 39S 147 00 31E, 41 41 54S 147 04 52E
VERTICAL LIMITS: 6500 - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/LAUNCESTON CTA C3

LATERAL LIMITS: 41 11 44S 146 19 51E, 41 31 39S 147 00 31E
41 41 54S 147 04 52E, 42 01 16S 147 00 46E
then along the minor arc of a circle of 30.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 41 52 26S 147 42 53E
41 27 27S 147 25 05E, 41 17 40S 147 47 21E
then along the minor arc of a circle of 30.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 41 06 21S 147 32 00E
40 53 11S 147 41 31E,
then along the minor arc of a circle of 45.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 41 11 44S 146 19 51E
VERTICAL LIMITS: 8500 - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CTA C1

LATERAL LIMITS: 37 48 21S 144 42 06E, 37 44 20S 144 39 25E
then along the minor arc of a circle of 10.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 30 43S 144 56 19E
37 33 00S 144 56 12E, 37 34 13S 145 08 09E
then along the minor arc of a circle of 15.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 50 53S 145 03 01E
37 50 18S 144 59 06E, 37 50 36S 144 51 09E
then along the minor arc of a circle of 11.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 48 21S 144 42 06E
VERTICAL LIMITS: 1500 - 2000
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CTA C2

LATERAL LIMITS: 37 48 21S 144 42 06E, 37 44 20S 144 39 25E
then along the minor arc of a circle of 10.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 30 10S 144 46 19E
37 28 17S 144 45 29E,
then along the minor arc of a circle of 12.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 28 33S 144 56 25E
37 33 00S 144 56 12E, 37 34 13S 145 08 09E
then along the minor arc of a circle of 15.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 50 53S 145 03 01E
37 50 18S 144 59 06E, 37 50 36S 144 51 09E
then along the minor arc of a circle of 11.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 48 21S 144 42 06E
VERTICAL LIMITS: 2000 - 2500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CTA C3

LATERAL LIMITS: 37 44 48S 144 26 11E, 37 51 04S 144 25 13E
then along the minor arc of a circle of 12.00NM radius centred on
38 02 57S 144 27 33E (AV/DME) to 37 55 00S 144 38 57E
37 54 24S 144 39 54E, 37 55 42S 144 48 00E
37 58 24S 144 48 00E, 37 58 12S 145 02 22E
then along the major arc of a circle of 3.00NM radius centred on
37 58 33S 145 06 08E (YMMB/AD) to 37 57 39S 145 09 45E
37 48 12S 145 19 12E, 37 40 00S 145 19 12E
37 35 00S 145 15 54E, 37 34 13S 145 08 09E
then along the minor arc of a circle of 15.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 44 43S 144 32 46E
37 44 48S 144 26 11E
VERTICAL LIMITS: 2500 - 3500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CTA C4

LATERAL LIMITS: 37 44 48S 144 26 11E, 37 51 04S 144 25 13E
then along the minor arc of a circle of 12.00NM radius centred on
38 02 57S 144 27 33E (AV/DME) to 37 55 00S 144 38 57E
37 54 24S 144 39 54E, 37 55 42S 144 48 00E
37 58 24S 144 48 00E, 37 58 12S 145 02 22E
then along the major arc of a circle of 3.00NM radius centred on
37 58 33S 145 06 08E (YMMB/AD) to 37 57 39S 145 09 45E
37 48 12S 145 19 12E, 37 40 00S 145 19 12E
37 30 54S 145 13 12E,

then along the minor arc of a circle of 20.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 44 48S 144 26 11E
VERTICAL LIMITS: 3500 - 4500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CTA C5

LATERAL LIMITS: A circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME)
VERTICAL LIMITS: 4500 - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CTA C6N1

LATERAL LIMITS: 36 59 41S 144 24 23E, 37 12 17S 144 34 54E
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 09 36S 144 52 04E
36 54 35S 144 52 52E,
then along the minor arc of a circle of 45.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 59 41S 144 24 23E
VERTICAL LIMITS: 7500 - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CTA C7N

LATERAL LIMITS: 37 54 04S 144 17 22E, 38 01 46S 144 01 04E
then along the major arc of a circle of 45.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 24 07S 144 59 21E
38 08 38S 144 40 49E,
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 54 04S 144 17 22E
VERTICAL LIMITS: 8500 - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/PERTH CTA C1

LATERAL LIMITS: 32 05 15S 115 49 25E,
then along the major arc of a circle of 11.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 05 41S 116 05 05E
32 04 56S 116 00 05E, 32 04 42S 115 56 08E
then along the major arc of a circle of 3.00NM radius centred on
32 05 51S 115 52 52E (YPJT/AD) to 32 05 15S 115 49 25E
VERTICAL LIMITS: 1500 - 2000
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/PERTH CTA C2

LATERAL LIMITS: 32 09 48S 115 56 41E, 32 08 51S 115 41 55E
then along the major arc of a circle of 18.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 05 54S 116 15 47E
32 06 44S 116 09 02E, 32 05 41S 116 05 05E
then along the minor arc of a circle of 11.00NM radius centred on
31 56 42S 115 57 33E (PH/VOR) to 32 07 40S 115 58 51E
32 09 48S 115 56 41E
VERTICAL LIMITS: 2000 - 3500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/PERTH CTA C3

LATERAL LIMITS: 32 08 51S 115 41 55E, 32 10 10S 115 44 22E
32 10 59S 115 55 29E, 32 09 48S 115 56 41E
32 08 51S 115 41 55E
VERTICAL LIMITS: 2500 - 3500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/PERTH CTA C4

LATERAL LIMITS: 32 13 29S 115 40 47E, 32 13 49S 115 56 52E
32 13 35S 116 05 03E, 32 15 56S 116 10 15E
then along the major arc of a circle of 22.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 13 29S 115 40 47E
VERTICAL LIMITS: 3500 - 4500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/PERTH CTA C5

LATERAL LIMITS: 32 23 51S 115 29 38E, 32 13 29S 115 40 47E
32 13 49S 115 56 52E, 32 13 35S 116 05 03E
32 15 56S 116 10 15E, 32 24 16S 116 24 56E
then along the major arc of a circle of 36.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 23 51S 115 29 38E
VERTICAL LIMITS: 4500 - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/PERTH CTA C6

LATERAL LIMITS: 32 34 11S 115 18 26E, 32 23 51S 115 29 38E
32 13 29S 115 40 47E, 32 13 49S 115 56 52E
32 13 35S 116 05 03E, 32 15 56S 116 10 15E
32 24 16S 116 24 56E, 32 32 16S 116 39 06E
then along the major arc of a circle of 50.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 34 11S 115 18 26E
VERTICAL LIMITS: 8500 - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/PERTH CTA C7

LATERAL LIMITS: 32 45 14S 115 06 24E, 32 34 11S 115 18 26E
32 23 51S 115 29 38E, 32 13 29S 115 40 47E
32 13 49S 115 56 52E, 32 13 35S 116 05 03E
32 15 56S 116 10 15E, 32 24 16S 116 24 56E
32 32 16S 116 39 06E, 32 40 42S 116 54 07E
then along the major arc of a circle of 65.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 45 14S 115 06 24E
VERTICAL LIMITS: FL125 - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/ROCKHAMPTON CTA C1

LATERAL LIMITS: 23 10 55S 149 51 27E,
then along the minor arc of a circle of 36.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 22 47 20S 150 34 44E
23 07 08S 150 31 09E,
then along the minor arc of a circle of 16.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 29 59S 150 43 57E
23 38 35S 151 03 38E,
then along the minor arc of a circle of 36.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 58 55S 150 24 27E
23 38 57S 150 26 34E,
then along the minor arc of a circle of 16.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 17 41S 150 11 54E
23 10 55S 149 51 27E
VERTICAL LIMITS: 4500 - 8500

HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/ROCKHAMPTON CTA C2

LATERAL LIMITS: 23 17 41S 150 11 54E, 23 07 51S 149 42 16E
then along the minor arc of a circle of 45.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 22 38 26S 150 36 20E
23 07 08S 150 31 09E,
then along the minor arc of a circle of 16.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 29 59S 150 43 57E
23 42 27S 151 12 29E,
then along the minor arc of a circle of 45.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 24 07 54S 150 23 29E
23 38 57S 150 26 34E,
then along the minor arc of a circle of 16.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 17 41S 150 11 54E
VERTICAL LIMITS: 8500 - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/ROCKHAMPTON CTA C3

LATERAL LIMITS: 23 17 41S 150 11 54E, 23 04 26S 149 32 04E
then along the minor arc of a circle of 55.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 22 28 32S 150 38 07E
23 07 08S 150 31 09E,
then along the minor arc of a circle of 16.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 29 59S 150 43 57E
23 46 43S 151 22 21E,
then along the minor arc of a circle of 55.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 24 17 53S 150 22 25E
23 38 57S 150 26 34E,
then along the minor arc of a circle of 16.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 17 41S 150 11 54E
VERTICAL LIMITS: FL125 - FL155
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/ROCKHAMPTON CTA C4

LATERAL LIMITS: 23 01 00S 149 21 52E,
then along the minor arc of a circle of 65.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 22 18 38S 150 39 54E
23 07 08S 150 31 09E,
then along the minor arc of a circle of 16.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 29 59S 150 43 58E
23 50 59S 151 32 13E,
then along the minor arc of a circle of 65.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 24 27 52S 150 21 21E
23 38 57S 150 26 34E,
then along the minor arc of a circle of 16.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 17 41S 150 11 54E
23 01 00S 149 21 52E
VERTICAL LIMITS: FL155 - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/SOUTH-EASTERN CTA C1

LATERAL LIMITS: 33 50 51S 149 34 59E, 33 47 37S 149 52 55E
33 49 08S 150 05 23E,
then along the minor arc of a circle of 55.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 06 18S 150 43 56E
32 51 32S 150 39 33E,
then along the minor arc of a circle of 70.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 09 13S 152 12 37E
33 21 40S 152 01 50E,
then along the minor arc of a circle of 55.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 35 09S 151 58 14E
34 28 18S 151 49 23E,
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 39 16S 150 53 26E
35 20 06S 149 48 12E, 35 33 27S 149 25 31E
35 40 41S 149 11 40E, 35 45 49S 149 01 48E
36 14 52S 147 56 10E, 37 01 50S 146 33 00E
then along the minor arc of a circle of 90.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 39 08 42S 145 07 34E
38 30 58S 145 07 38E, 38 08 38S 144 40 49E
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 54 04S 144 17 22E
38 24 34S 143 11 49E,
then along the minor arc of a circle of 90.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 19 28S 145 41 54E
35 27 14S 146 47 07E, 35 16 44S 147 11 48E
then along the minor arc of a circle of 15.00NM radius centred on
35 09 57S 147 28 08E (WG/DME) to 34 58 56S 147 40 34E
34 50 04S 147 52 58E,
then along the minor arc of a circle of 70.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 17 02S 148 27 30E
33 59 41S 149 34 44E,
then along the minor arc of a circle of 80.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 50 51S 149 34 59E
VERTICAL LIMITS: FL125 - FL155
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/SOUTH-EASTERN CTA C2

LATERAL LIMITS: 33 50 51S 149 34 59E, 33 48 38S 149 47 19E
then along the minor arc of a circle of 70.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 32 51 32S 150 39 33E
32 41 44S 150 36 40E,
then along the minor arc of a circle of 80.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 32 36 35S 151 04 54E
32 46 32S 151 06 41E,
then along the minor arc of a circle of 70.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 45 23S 152 11 33E
34 28 18S 151 49 23E,
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 39 16S 150 53 26E
35 20 06S 149 48 12E, 35 33 27S 149 25 31E
35 40 41S 149 11 40E, 35 45 49S 149 01 48E
36 14 52S 147 56 10E, 37 01 50S 146 33 00E
then along the minor arc of a circle of 90.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 39 08 42S 145 07 34E
38 30 58S 145 07 38E, 38 08 38S 144 40 49E
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 54 04S 144 17 22E
38 24 34S 143 11 49E,
then along the minor arc of a circle of 90.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 19 28S 145 41 54E
35 27 14S 146 47 07E, 35 16 44S 147 11 48E
then along the minor arc of a circle of 15.00NM radius centred on
35 09 57S 147 28 08E (WG/DME) to 34 58 56S 147 40 34E
34 50 04S 147 52 58E,
then along the minor arc of a circle of 70.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 17 02S 148 27 30E
33 59 41S 149 34 44E,
then along the minor arc of a circle of 80.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 50 51S 149 34 59E
VERTICAL LIMITS: FL155 - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/SUNSHINE COAST CTA C1

LATERAL LIMITS: 26 43 33S 153 02 51E, 26 52 12S 153 03 24E
then along the minor arc of a circle of 30.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 01 07S 153 32 38E
26 49 28S 153 34 39E,
then along the minor arc of a circle of 40.00NM radius centred on

27 21 57S 153 08 21E (BN/DME) to 26 42 12S 153 02 24E
26 43 33S 153 02 51E
VERTICAL LIMITS: 4500 - 7500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/SUNSHINE COAST CTA C2

LATERAL LIMITS: 26 32 38S 152 58 14E,
then along 1NM E OF THE BRUCE HWY to 26 41 58S 153 02 20E
26 42 12S 153 02 24E,
then along the minor arc of a circle of 40.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 49 28S 153 34 39E
26 38 37S 153 36 31E,
then along the minor arc of a circle of 50.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 32 38S 152 58 14E
VERTICAL LIMITS: 4500 - 8500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/SUNSHINE COAST CTA C3

LATERAL LIMITS: 26 31 47S 152 57 44E,
then along 1NM E OF BRUCE HWY to 26 32 38S 152 58 14E
then along the minor arc of a circle of 50.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 32 49S 153 19 31E
then along the minor arc of a circle of 13.00NM radius centred on
26 35 52S 153 05 25E (SU/DME) to 26 22 54S 153 07 00E
then along COAST 70 to 26 27 52S 153 06 07E
then along the minor arc of a circle of 8.00NM radius centred on
26 35 52S 153 05 25E (SU/DME) to 26 31 47S 152 57 44E
VERTICAL LIMITS: 4500 - FL125
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/SYDNEY CTA C01A

LATERAL LIMITS: 33 50 06S 151 16 52E, 33 49 50S 151 17 05E
then along the minor arc of a circle of 8.50NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 05 04S 151 10 11E
then along THE COAST 97 to 34 04 37S 151 10 02E
34 04 19S 151 09 20E,
then along THE COAST 9 to 34 02 16S 151 11 32E
then along THE COAST 8 to 34 01 10S 151 13 46E
34 00 10S 151 14 54E, 33 58 07S 151 15 57E
33 53 34S 151 17 06E, 33 53 05S 151 17 03E
then along THE COAST 7 to 33 51 34S 151 17 05E
then along THE COAST 61 to 33 50 06S 151 16 52E
VERTICAL LIMITS: 500 - 2500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/SYDNEY CTA C01B

LATERAL LIMITS: 33 50 44S 151 07 48E, 33 50 36S 151 07 11E
then along STH BANK PARRAMATTA RVR 8 to 33 50 10S 151 06 14E
then along S BANK PARRAMATTA RVR 2 to 33 49 37S 151 05 37E
then along S BANK PARRAMATTA RVR 8 to 33 49 26S 151 05 17E
then along the minor arc of a circle of 8.50NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 48 03S 151 10 53E
then along THE PACIFIC HWY 2 to 33 51 10S 151 12 41E
33 51 20S 151 12 28E,
then along THE S BANK PARRAMATTA RVR to 33 52 27S 151 11 59E
then along S BANK PARRAMATTA RVR 6 to 33 51 33S 151 11 45E
then along S BANK PARRAMATTA RVR 5 to 33 50 58S 151 10 50E
33 50 50S 151 10 20E, 33 50 57S 151 09 53E
33 50 51S 151 09 19E,
then along S BANK PARRAMATTA RVR 4 to 33 50 43S 151 08 38E
33 50 52S 151 08 29E,
then along S BANK PARRAMATTA RVR 3 to 33 50 44S 151 07 48E
VERTICAL LIMITS: 500 - 2500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/SYDNEY CTA C02

LATERAL LIMITS: 33 49 26S 151 05 17E, 33 45 42S 151 04 42E
then along the minor arc of a circle of 12.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 44 33S 151 11 16E
33 48 03S 151 10 53E,
then along the minor arc of a circle of 8.50NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 49 26S 151 05 17E
VERTICAL LIMITS: 700 - 2500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/SYDNEY CTA C03

LATERAL LIMITS: 33 48 03S 151 10 53E, 33 44 33S 151 11 16E
then along the major arc of a circle of 12.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 08 17S 151 07 36E
then along COAST 3 to 34 05 04S 151 10 11E
then along the minor arc of a circle of 8.50NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 49 50S 151 17 05E
33 50 06S 151 16 52E,
then along SOUTHERN SHORE HARBOUR 5 to 33 51 09S 151 16 15E
then along SOUTHERN SHORE HARBOUR 4 to 33 52 22S 151 15 26E
then along SOUTHERN SHORE HARBOUR 3 to 33 51 56S 151 15 13E
then along SOUTHERN SHORE HARBOUR 2 to 33 51 33S 151 13 46E
then along SOUTHERN SHORE HARBOUR 1 to 33 51 20S 151 12 28E
33 51 10S 151 12 41E,
then along THE PACIFIC HWY 2 to 33 48 03S 151 10 53E
VERTICAL LIMITS: 1000 - 2500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/SYDNEY CTA C04A

LATERAL LIMITS: 33 57 53S 150 57 19E, 33 53 49S 150 56 17E
then along the minor arc of a circle of 3.00NM radius centred on
33 55 28S 150 59 18E (YSBK/AD) to 33 54 17S 151 02 37E
33 56 21S 151 01 28E,
then along the minor arc of a circle of 2.00NM radius centred on
33 55 28S 150 59 18E (YSBK/AD) to 33 57 20S 151 00 09E
33 57 53S 150 57 19E
VERTICAL LIMITS: 1500 - 2500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/SYDNEY CTA C04B

LATERAL LIMITS: 34 06 40S 150 56 08E, 34 03 50S 150 59 42E
34 05 04S 151 10 11E,
then along COAST 3 to 34 08 17S 151 07 36E
34 06 40S 150 56 08E
VERTICAL LIMITS: 1500 - 2500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/SYDNEY CTA C04C

LATERAL LIMITS: 34 15 45S 151 03 52E, 34 08 17S 151 07 36E

then along the minor arc of a circle of 12.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 01 06S 151 24 12E
34 03 55S 151 33 13E,
then along the minor arc of a circle of 20.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 11 14S 151 27 15E
34 16 44S 151 28 42E,
then along the minor arc of a circle of 25.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 21 10S 151 05 09E
34 15 45S 151 03 52E
VERTICAL LIMITS: 1500 - 2500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/SYDNEY CTA C05

LATERAL LIMITS: 33 53 08S 150 57 01E,
then along the minor arc of a circle of 12.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 45 42S 151 04 42E
33 49 26S 151 05 17E,
then along HOMEBUSH BAY 4 to 33 50 28S 151 04 56E
33 51 04S 151 04 54E,
then along the minor arc of a circle of 0.40NM radius centred on
33 51 03S 151 04 25E to 33 51 25S 151 04 14E
33 54 17S 151 02 37E,
then along the minor arc of a circle of 3.00NM radius centred on
33 55 28S 150 59 18E (YSBK/AD) to 33 53 08S 150 57 01E
VERTICAL LIMITS: 2000 - 2500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/SYDNEY CTA C06

LATERAL LIMITS: 33 32 04S 151 17 02E, 33 37 34S 151 18 27E
then along the minor arc of a circle of 20.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 11 14S 151 27 15E
34 16 44S 151 28 42E,
then along the minor arc of a circle of 25.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 21 10S 151 05 09E
34 15 45S 151 03 52E,
then along the minor arc of a circle of 20.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 44 44S 150 51 28E
33 37 18S 150 51 42E,
then along the minor arc of a circle of 25.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 32 04S 151 17 02E
VERTICAL LIMITS: 2500 - 4500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/SYDNEY CTA C07

LATERAL LIMITS: 33 31 39S 150 59 47E, 33 23 41S 150 56 17E
then along the minor arc of a circle of 35.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 21 38S 151 14 20E
33 32 04S 151 17 02E,
then along the minor arc of a circle of 25.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 33 05S 151 00 28E
then along the minor arc of a circle of 11.00NM radius centred on
33 36 27S 150 47 56E (RIC/TAC) to 33 31 39S 150 59 47E
VERTICAL LIMITS: 3500 - 4500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/SYDNEY CTA C09

LATERAL LIMITS: 33 42 11S 150 36 41E, 33 36 13S 150 22 41E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 14 17S 150 52 09E
33 23 41S 150 56 17E,
then along the minor arc of a circle of 35.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 21 38S 151 14 20E
33 26 47S 151 15 40E,
then along the major arc of a circle of 30.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 42 57S 150 38 44E
33 42 11S 150 36 41E
VERTICAL LIMITS: 4500 - 7500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/SYDNEY CTA C10

LATERAL LIMITS: A circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME)
VERTICAL LIMITS: 7500 - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/SYDNEY CTA C11

LATERAL LIMITS: 33 50 34S 150 17 16E, 33 49 08S 150 05 23E
then along the minor arc of a circle of 55.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 46 20S 150 42 19E
34 39 16S 150 53 26E,
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 30 06S 151 54 31E
33 21 40S 152 01 50E,
then along the minor arc of a circle of 55.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 06 18S 150 43 56E
33 16 11S 150 46 53E,
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 50 34S 150 17 16E
VERTICAL LIMITS: 8500 - FL115
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/SYDNEY CTA C12

LATERAL LIMITS: 32 51 32S 150 39 33E, 33 16 11S 150 46 53E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 50 34S 150 17 16E
33 49 08S 150 05 23E,
then along the minor arc of a circle of 55.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 46 20S 150 42 19E
34 39 16S 150 53 26E,
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 30 06S 151 54 31E
33 09 13S 152 12 37E,
then along the minor arc of a circle of 70.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 32 51 32S 150 39 33E
VERTICAL LIMITS: FL115 - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/TAMWORTH CTA C1

LATERAL LIMITS: 31 09 51S 151 15 43E, 31 07 51S 151 06 41E
then along the major arc of a circle of 15.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 18 48S 150 46 50E
31 26 42S 150 45 16E,
then along the minor arc of a circle of 23.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 09 51S 151 15 43E
VERTICAL LIMITS: 4500 - 6500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/TAMWORTH CTA C2

LATERAL LIMITS: 31 36 02S 151 09 06E, 31 24 29S 151 02 04E

then along the minor arc of a circle of 23.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 09 51S 151 15 43E
31 07 51S 151 06 41E,
then along the major arc of a circle of 15.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 18 48S 150 46 50E
31 39 33S 150 42 42E,
then along the minor arc of a circle of 36.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 36 02S 151 09 06E
VERTICAL LIMITS: 6500 - 8500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/TAMWORTH CTA C3

LATERAL LIMITS: 31 18 48S 150 46 50E, 31 39 33S 150 42 42E
31 48 47S 150 43 44E,
then along the minor arc of a circle of 45.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 44 02S 151 13 59E
31 24 29S 151 02 04E,
then along the minor arc of a circle of 23.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 09 51S 151 15 43E
31 07 51S 151 06 41E,
then along the major arc of a circle of 15.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 18 48S 150 46 50E
VERTICAL LIMITS: 8500 - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/TAMWORTH CTA C4

LATERAL LIMITS: 31 18 48S 150 46 50E, 31 39 33S 150 42 42E
31 58 56S 150 44 52E,
then along the minor arc of a circle of 55.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 52 55S 151 19 25E
31 24 29S 151 02 04E,
then along the minor arc of a circle of 23.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 09 51S 151 15 43E
31 07 51S 151 06 41E,
then along the major arc of a circle of 15.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 18 48S 150 46 50E
VERTICAL LIMITS: FL125 - FL155
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/TAMWORTH CTA C5

LATERAL LIMITS: 31 18 48S 150 46 50E, 31 39 33S 150 42 42E
32 09 03S 150 45 59E,
then along the minor arc of a circle of 65.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 32 01 47S 151 24 52E
31 24 29S 151 02 04E,
then along the minor arc of a circle of 23.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 09 51S 151 15 43E
31 07 51S 151 06 41E,
then along the major arc of a circle of 15.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 18 48S 150 46 50E
VERTICAL LIMITS: FL155 - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/TASMANIAN CTA C2

LATERAL LIMITS: 42 22 31S 146 30 07E, 42 15 56S 146 25 34E
then along the minor arc of a circle of 60.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 41 54 56S 147 02 07E
41 41 54S 147 04 52E, 41 31 39S 147 00 31E
41 06 13S 146 08 45E,
then along the minor arc of a circle of 55.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 40 44 24S 147 47 49E
41 06 21S 147 32 00E,
then along the minor arc of a circle of 30.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 41 17 40S 147 47 21E
41 27 27S 147 25 05E, 42 02 46S 147 50 19E
then along the minor arc of a circle of 50.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 06 26S 148 02 44E
42 36 38S 147 41 38E,
then along the minor arc of a circle of 16.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 47 26S 147 52 51E
42 43 01S 148 19 20E,
then along the minor arc of a circle of 36.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 43 18 49S 148 02 31E
42 57 18S 147 31 40E, 42 51 58S 147 21 33E
42 48 40S 147 18 48E, 42 46 40S 147 03 30E
42 40 01S 146 53 37E, 42 22 31S 146 30 07E
VERTICAL LIMITS: FL125 - FL145
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/TASMANIAN CTA C3

LATERAL LIMITS: 42 22 31S 146 30 07E, 42 06 07S 146 18 49E
then along the minor arc of a circle of 70.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 41 43 46S 147 04 28E
41 41 54S 147 04 52E, 41 31 39S 147 00 31E
41 06 13S 146 08 45E,
then along the minor arc of a circle of 55.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 40 44 24S 147 47 49E
41 06 21S 147 32 00E,
then along the minor arc of a circle of 30.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 41 17 40S 147 47 21E
41 27 27S 147 25 05E, 41 46 00S 147 38 16E
then along the minor arc of a circle of 65.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 41 53 06S 148 11 56E
42 36 38S 147 41 38E,
then along the minor arc of a circle of 16.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 47 26S 147 52 51E
42 43 01S 148 19 20E,
then along the minor arc of a circle of 36.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 43 18 49S 148 02 31E
42 57 18S 147 31 40E, 42 51 58S 147 21 33E
42 48 40S 147 18 48E, 42 46 40S 147 03 30E
42 40 01S 146 53 37E, 42 22 31S 146 30 07E
VERTICAL LIMITS: FL145 - FL155
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/TASMANIAN CTA C4

LATERAL LIMITS: 42 22 31S 146 30 07E, 42 06 07S 146 18 49E
then along the minor arc of a circle of 70.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 41 43 46S 147 04 28E
41 41 54S 147 04 52E, 41 31 39S 147 00 31E
41 00 41S 145 57 42E,
then along the minor arc of a circle of 65.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 40 35 36S 147 54 06E
41 06 21S 147 32 00E,
then along the minor arc of a circle of 30.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 41 17 40S 147 47 21E
41 27 27S 147 25 05E, 41 46 00S 147 38 16E
then along the minor arc of a circle of 65.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 41 53 06S 148 11 56E
42 36 38S 147 41 38E,
then along the minor arc of a circle of 16.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 47 26S 147 52 51E
42 43 01S 148 19 20E,
then along the minor arc of a circle of 36.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 43 18 49S 148 02 31E
42 57 18S 147 31 40E, 42 51 58S 147 21 33E
42 48 40S 147 18 48E, 42 46 40S 147 03 30E
42 40 01S 146 53 37E, 42 22 31S 146 30 07E
VERTICAL LIMITS: FL155 - FL180

HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/TOWNSVILLE CTA C1

LATERAL LIMITS: 19 31 10S 146 44 33E, 19 40 11S 146 44 04E
then along the major arc of a circle of 25.00NM radius centred on
19 15 09S 146 45 55E (YBTL/AD) to 19 07 24S 147 11 02E
19 09 09S 147 06 05E,
then along the minor arc of a circle of 20.00NM radius centred on
19 15 09S 146 45 55E (YBTL/AD) to 19 26 10S 147 03 36E
19 23 57S 147 00 05E,
then along the minor arc of a circle of 16.00NM radius centred on
19 15 09S 146 45 55E (YBTL/AD) to 19 31 10S 146 44 33E
VERTICAL LIMITS: 2500 - 3500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Dept of Defence - RAAF

YBBB/TOWNSVILLE CTA C2

LATERAL LIMITS: 19 35 11S 146 44 20E, 19 40 11S 146 44 04E
then along the major arc of a circle of 25.00NM radius centred on
19 15 09S 146 45 55E (YBTL/AD) to 19 28 58S 147 08 00E
19 26 10S 147 03 36E,
then along the minor arc of a circle of 20.00NM radius centred on
19 15 09S 146 45 55E (YBTL/AD) to 19 35 11S 146 44 20E
VERTICAL LIMITS: 3500 - 4500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Dept of Defence - RAAF

YBBB/TOWNSVILLE CTA C3

LATERAL LIMITS: A circle of 36.00NM radius centred on
19 14 39S 146 45 30E (TL/DME)
VERTICAL LIMITS: 4500 - 8500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Dept of Defence - RAAF

YBBB/TOWNSVILLE CTA C4

LATERAL LIMITS: A circle of 45.00NM radius centred on
19 14 39S 146 45 30E (TL/DME)
VERTICAL LIMITS: 8500 - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/TOWNSVILLE CTA C5

LATERAL LIMITS: A circle of 55.00NM radius centred on
19 14 39S 146 45 30E (TL/DME)
VERTICAL LIMITS: FL125 - FL155
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/TOWNSVILLE CTA C6

LATERAL LIMITS: A circle of 65.00NM radius centred on
19 14 39S 146 45 30E (TL/DME)
VERTICAL LIMITS: FL155 - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/WHITSUNDAY CTA C1

LATERAL LIMITS: 21 01 49S 148 33 50E, 21 09 04S 149 04 58E
then along the minor arc of a circle of 6.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 21 16 23S 149 11 00E
21 46 28S 149 10 00E,
then along the minor arc of a circle of 36.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 21 27 49S 149 45 00E
21 15 48S 149 21 29E,
then along the minor arc of a circle of 11.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 20 59 20S 149 11 47E
20 54 27S 149 12 02E,
then along the minor arc of a circle of 36.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 38 57S 149 30 41E
20 25 37S 149 05 38E,
then along the minor arc of a circle of 9.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 12 02S 148 57 26E
19 44 56S 148 57 43E,
then along the minor arc of a circle of 36.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 11 25S 148 20 27E
21 01 49S 148 33 50E
VERTICAL LIMITS: 4500 - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/WHITSUNDAY CTA C2

LATERAL LIMITS: 20 08 57S 148 11 15E, 20 59 38S 148 24 30E
21 09 04S 149 04 58E,
then along the minor arc of a circle of 6.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 21 16 23S 149 11 00E
21 55 30S 149 09 42E,
then along the minor arc of a circle of 45.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 21 32 08S 149 53 28E
21 15 48S 149 21 29E,
then along the minor arc of a circle of 11.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 21 01 38S 149 18 27E
then along the minor arc of a circle of 45.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 47 13S 149 36 27E
20 38 57S 149 30 41E, 20 25 37S 149 05 38E
then along the minor arc of a circle of 9.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 12 02S 148 57 26E
19 44 56S 148 57 43E, 19 37 35S 148 44 25E
then along the minor arc of a circle of 45.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 08 57S 148 11 15E
VERTICAL LIMITS: 8500 - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/WHITSUNDAY CTA C3

LATERAL LIMITS: 20 06 13S 148 01 02E, 20 08 57S 148 11 15E
20 59 38S 148 24 30E, 21 06 13S 148 52 39E
21 26 00S 148 50 35E,
then along the minor arc of a circle of 65.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 21 25 05S 149 10 43E
22 15 34S 149 09 01E,
then along the minor arc of a circle of 65.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 21 39 46S 150 13 26E
20 38 57S 149 30 41E, 20 25 37S 149 05 38E
then along the minor arc of a circle of 9.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 12 02S 148 57 26E
19 44 56S 148 57 43E, 19 31 03S 148 32 38E
then along the minor arc of a circle of 55.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 06 13S 148 01 02E
VERTICAL LIMITS: FL125 - FL155
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/WHITSUNDAY CTA C4

LATERAL LIMITS: 20 03 27S 147 50 49E, 20 08 57S 148 11 15E
20 59 38S 148 24 30E, 21 06 13S 148 52 39E
21 26 00S 148 50 35E,

then along the minor arc of a circle of 65.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 21 25 05S 149 10 43E
22 15 34S 149 09 01E,
then along the minor arc of a circle of 65.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 21 39 46S 150 13 26E
20 38 57S 149 30 41E, 20 25 37S 149 05 38E
then along the minor arc of a circle of 9.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 12 02S 148 57 26E
19 44 56S 148 57 43E, 19 25 06S 148 21 55E
then along the minor arc of a circle of 65.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 03 27S 147 50 49E

VERTICAL LIMITS: FL155 - FL180

HOURS OF ACTIVITY: H24

CONTROLLING AUTHORITY: Airservices Australia

NOTES

SECTION 6 – CONTROLLED AIRSPACE D

YMMM/ALBURY CTA D1
LATERAL LIMITS: A circle of 11.00NM radius centred on 36 04 05S 146 57 58E (AY/DME)
VERTICAL LIMITS: 2000 - 2500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/ALBURY CTA D2
LATERAL LIMITS: A circle of 16.00NM radius centred on 36 04 05S 146 57 58E (AY/DME)
VERTICAL LIMITS: 2500 - 3500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/ALBURY CTA D3
LATERAL LIMITS: 36 12 13S 146 35 24E, 36 09 40S 146 39 28E
then along the minor arc of a circle of 16.00NM radius centred on 36 04 05S 146 57 58E (AY/DME) to 35 48 11S 147 00 28E
35 44 20S 147 02 05E,
then along the minor arc of a circle of 20.00NM radius centred on 36 04 05S 146 57 58E (AY/DME) to 35 59 17S 147 21 55E
36 00 42S 147 17 15E,
then along the minor arc of a circle of 16.00NM radius centred on 36 04 05S 146 57 58E (AY/DME) to 36 20 06S 146 58 50E
36 24 06S 146 57 21E,
then along the minor arc of a circle of 20.00NM radius centred on 36 04 05S 146 57 58E (AY/DME) to 36 12 13S 146 35 24E
VERTICAL LIMITS: 3500 - 4500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/ALICE SPRINGS CTA D1
LATERAL LIMITS: A circle of 15.00NM radius centred on 23 47 34S 133 52 42E (AS/DME)
VERTICAL LIMITS: 3500 - 4500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BROOME CTA D1
LATERAL LIMITS: A circle of 13.00NM radius centred on 17 56 49S 122 14 05E (BRM/DME)
VERTICAL LIMITS: 1000 - 2500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BROOME CTA D2
LATERAL LIMITS: A circle of 18.00NM radius centred on 17 56 49S 122 14 05E (BRM/DME)
VERTICAL LIMITS: 2500 - 3500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BROOME CTA D3
LATERAL LIMITS: A circle of 25.00NM radius centred on 17 56 49S 122 14 05E (BRM/DME)
VERTICAL LIMITS: 3500 - 5500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/COFFS HARBOUR CTA D1
LATERAL LIMITS: 30 07 50S 153 02 39E,
then along the major arc of a circle of 12.00NM radius centred on 30 19 10S 153 07 16E (CFS/DME) to 30 26 12S 152 56 00E
30 20 20S 152 58 59E, 30 13 05S 153 03 06E
30 07 50S 153 02 39E
VERTICAL LIMITS: 1000 - 2500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/COFFS HARBOUR CTA D2
LATERAL LIMITS: 30 03 03S 153 00 54E,
then along the minor arc of a circle of 17.00NM radius centred on 30 19 10S 153 07 16E (CFS/DME) to 30 03 38S 153 15 19E
30 08 11S 153 12 53E,
then along the minor arc of a circle of 12.00NM radius centred on 30 19 10S 153 07 16E (CFS/DME) to 30 31 11S 153 06 38E
30 36 12S 153 06 31E,
then along the minor arc of a circle of 17.00NM radius centred on 30 19 10S 153 07 16E (CFS/DME) to 30 29 17S 152 51 26E
30 26 12S 152 56 00E, 30 20 20S 152 58 59E
30 13 05S 153 03 06E, 30 07 50S 153 02 39E
30 03 03S 153 00 54E
VERTICAL LIMITS: 2500 - 3500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/COFFS HARBOUR CTA D3
LATERAL LIMITS: 29 58 17S 152 59 08E,
then along the minor arc of a circle of 22.00NM radius centred on 30 19 10S 153 07 16E (CFS/DME) to 29 59 06S 153 17 45E
30 03 38S 153 15 19E, 30 08 11S 153 12 53E
then along the minor arc of a circle of 12.00NM radius centred on 30 19 10S 153 07 16E (CFS/DME) to 30 31 11S 153 06 38E
30 36 12S 153 06 31E, 30 41 13S 153 06 24E
then along the minor arc of a circle of 22.00NM radius centred on 30 19 10S 153 07 16E (CFS/DME) to 30 32 17S 152 46 48E
30 29 17S 152 51 26E, 30 26 12S 152 56 00E
30 20 20S 152 58 59E, 30 13 05S 153 03 06E
30 07 50S 153 02 39E, 30 03 03S 153 00 54E
29 58 17S 152 59 08E
VERTICAL LIMITS: 3500 - 4500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/HAMILTON IS CTA D1
LATERAL LIMITS: 20 19 34S 148 51 10E, 20 18 45S 148 48 06E
then along the minor arc of a circle of 9.00NM radius centred on 20 21 04S 148 57 21E (HM/DME) to 20 12 02S 148 57 26E
20 15 03S 148 57 24E,
then along the minor arc of a circle of 6.00NM radius centred on 20 21 04S 148 57 21E (HM/DME) to 20 24 08S 149 02 51E
20 25 37S 149 05 38E,
then along the minor arc of a circle of 9.00NM radius centred on 20 21 04S 148 57 21E (HM/DME) to 20 30 04S 148 56 25E
20 27 04S 148 56 43E,
then along the minor arc of a circle of 6.00NM radius centred on

20 21 04S 148 57 21E (HM/DME) to 20 19 34S 148 51 10E
VERTICAL LIMITS: 1000 - 1500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/HAMILTON IS CTA D2

LATERAL LIMITS: 20 19 34S 148 51 10E, 20 17 56S 148 45 01E
then along the minor arc of a circle of 12.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 09 02S 148 57 28E
20 15 03S 148 57 24E,
then along the minor arc of a circle of 6.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 24 08S 149 02 51E
20 27 36S 149 09 20E,
then along the minor arc of a circle of 13.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 34 03S 148 56 00E
20 27 04S 148 56 43E,
then along the minor arc of a circle of 6.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 19 34S 148 51 10E
VERTICAL LIMITS: 1500 - 2500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/HAMILTON IS CTA D3

LATERAL LIMITS: 20 19 34S 148 51 10E, 20 17 08S 148 41 57E
then along the minor arc of a circle of 15.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 06 01S 148 57 30E
20 12 02S 148 57 26E,
then along the minor arc of a circle of 9.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 25 37S 149 05 38E
20 29 05S 149 12 07E,
then along the minor arc of a circle of 16.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 37 03S 148 55 41E
20 27 04S 148 56 43E,
then along the minor arc of a circle of 6.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 19 34S 148 51 10E
VERTICAL LIMITS: 2500 - 3500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/HAMILTON IS CTA D4

LATERAL LIMITS: 20 19 34S 148 51 10E, 20 15 14S 148 34 47E
then along the minor arc of a circle of 22.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 19 58 59S 148 57 34E
20 12 02S 148 57 26E,
then along the minor arc of a circle of 9.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 25 37S 149 05 38E
20 32 02S 149 17 41E,
then along the minor arc of a circle of 22.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 43 03S 148 55 04E
20 27 04S 148 56 43E,
then along the minor arc of a circle of 6.00NM radius centred on
20 21 04S 148 57 21E (HM/DME) to 20 19 34S 148 51 10E
VERTICAL LIMITS: 3500 - 4500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/HOBART CTA D1

LATERAL LIMITS: 42 48 40S 147 18 48E, 42 48 26S 147 17 01E
then along the major arc of a circle of 11.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 55 16S 147 45 18E
42 57 02S 147 51 41E,
then along the minor arc of a circle of 16.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 43 04 46S 147 42 19E
42 57 18S 147 31 40E, 42 51 58S 147 21 33E
42 48 40S 147 18 48E
VERTICAL LIMITS: 1500 - 2500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/HOBART CTA D2

LATERAL LIMITS: 42 48 40S 147 18 48E, 42 47 34S 147 10 20E
then along the major arc of a circle of 16.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 43 04 46S 147 42 19E
42 57 18S 147 31 40E, 42 51 58S 147 21 33E
42 48 40S 147 18 48E
VERTICAL LIMITS: 2500 - 3500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/HOBART CTA D3

LATERAL LIMITS: 42 46 40S 147 03 30E, 42 43 41S 146 59 04E
then along the minor arc of a circle of 25.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 27 25S 147 19 44E
42 32 06S 147 22 04E,
then along the minor arc of a circle of 20.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 33 05S 147 44 08E
42 36 38S 147 41 38E,
then along the minor arc of a circle of 16.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 47 26S 147 52 51E
42 46 34S 147 58 09E,
then along the minor arc of a circle of 20.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 43 07 38S 147 46 25E
42 57 18S 147 31 40E, 42 51 58S 147 21 33E
42 48 40S 147 18 48E, 42 46 40S 147 03 30E
VERTICAL LIMITS: 3500 - 4500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/KARRATHA CTA D1

LATERAL LIMITS: A circle of 13.00NM radius centred on
20 42 54S 116 46 26E (KA/DME)
VERTICAL LIMITS: 1000 - 2500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/KARRATHA CTA D2

LATERAL LIMITS: A circle of 18.00NM radius centred on
20 42 54S 116 46 26E (KA/DME)
VERTICAL LIMITS: 2500 - 3500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/KARRATHA CTA D3

LATERAL LIMITS: A circle of 25.00NM radius centred on
20 42 54S 116 46 26E (KA/DME)
VERTICAL LIMITS: 3500 - 5500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/LAUNCESTON CTA D1

LATERAL LIMITS: 41 31 39S 147 00 31E, 41 30 37S 146 58 23E
then along the minor arc of a circle of 11.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 41 25 04S 147 23 24E
41 30 17S 147 27 05E,
then along the minor arc of a circle of 11.00NM radius centred on

41 32 38S 147 12 47E (LT/DME) to 41 41 54S 147 04 52E
41 31 39S 147 00 31E
VERTICAL LIMITS: 1500 - 2500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/LAUNCESTON CTA D2

LATERAL LIMITS: 41 31 39S 147 00 31E, 41 27 46S 146 52 30E
then along the minor arc of a circle of 16.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 41 17 05S 147 17 47E
41 38 15S 147 32 45E,
then along the minor arc of a circle of 16.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 41 47 09S 147 03 46E
41 41 54S 147 04 52E, 41 31 39S 147 00 31E
VERTICAL LIMITS: 2500 - 3500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/LAUNCESTON CTA D3

LATERAL LIMITS: 41 31 39S 147 00 31E, 41 25 31S 146 47 55E
then along the minor arc of a circle of 20.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 41 12 49S 147 16 22E
41 17 05S 147 17 47E, 41 42 38S 147 35 52E
then along the minor arc of a circle of 20.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 41 51 13S 147 02 54E
41 41 54S 147 04 52E, 41 31 39S 147 00 31E
VERTICAL LIMITS: 3500 - 4500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/MACKAY CTA D1

LATERAL LIMITS: 21 09 04S 149 04 58E, 21 07 52S 148 59 46E
then along the major arc of a circle of 11.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 21 21 24S 149 10 50E
21 16 23S 149 11 00E,
then along the minor arc of a circle of 6.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 21 09 04S 149 04 58E
VERTICAL LIMITS: 1000 - 2500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/MACKAY CTA D2

LATERAL LIMITS: 21 09 04S 149 04 58E, 21 06 40S 148 54 35E
then along the minor arc of a circle of 16.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 20 54 19S 149 12 02E
20 59 20S 149 11 47E,
then along the minor arc of a circle of 11.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 21 15 48S 149 21 29E
21 18 12S 149 26 11E,
then along the minor arc of a circle of 16.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 21 26 25S 149 10 40E
21 16 23S 149 11 00E,
then along the minor arc of a circle of 6.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 21 09 04S 149 04 58E
VERTICAL LIMITS: 2500 - 3500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/MACKAY CTA D3

LATERAL LIMITS: 21 09 04S 149 04 58E, 21 05 13S 148 48 21E
then along the minor arc of a circle of 22.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 20 48 18S 149 12 21E
20 59 20S 149 11 47E,
then along the minor arc of a circle of 11.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 21 15 48S 149 21 29E
21 21 06S 149 31 49E,
then along the minor arc of a circle of 22.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 21 32 26S 149 10 28E
21 16 23S 149 11 00E,
then along the minor arc of a circle of 6.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 21 09 04S 149 04 58E
VERTICAL LIMITS: 3500 - 4500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/ROCKHAMPTON CTA D1

LATERAL LIMITS: 23 19 22S 150 17 00E, 23 17 41S 150 11 54E
then along the minor arc of a circle of 16.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 07 08S 150 31 09E
23 12 05S 150 30 15E,
then along the minor arc of a circle of 11.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 27 49S 150 39 02E
23 29 59S 150 43 57E,
then along the minor arc of a circle of 16.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 38 57S 150 26 34E
23 33 57S 150 27 06E,
then along the minor arc of a circle of 11.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 19 22S 150 17 00E
VERTICAL LIMITS: 1000 - 2500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/ROCKHAMPTON CTA D2

LATERAL LIMITS: 23 17 41S 150 11 54E, 23 16 40S 150 08 49E
then along the minor arc of a circle of 19.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 04 10S 150 31 41E
23 07 08S 150 31 09E,
then along the minor arc of a circle of 16.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 29 59S 150 43 57E
23 31 16S 150 46 54E,
then along the minor arc of a circle of 19.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 41 56S 150 26 15E
23 38 57S 150 26 34E,
then along the minor arc of a circle of 16.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 17 41S 150 11 54E
VERTICAL LIMITS: 2500 - 3500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/ROCKHAMPTON CTA D3

LATERAL LIMITS: 23 15 39S 150 05 45E,
then along the minor arc of a circle of 22.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 01 12S 150 32 13E
23 07 08S 150 31 09E,
then along the minor arc of a circle of 16.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 29 59S 150 43 58E
23 32 34S 150 49 51E,
then along the minor arc of a circle of 22.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 44 56S 150 25 56E
23 38 57S 150 26 34E,
then along the minor arc of a circle of 16.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 17 41S 150 11 54E
23 15 39S 150 05 45E
VERTICAL LIMITS: 3500 - 4500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/SUNSHINE COAST CTA D1

LATERAL LIMITS: 26 43 33S 153 02 51E, 26 41 58S 153 02 20E
then along 1NM EAST OF BRUCE HWY to 26 31 47S 152 57 44E
then along the minor arc of a circle of 8.00NM radius centred on
26 35 52S 153 05 25E (SU/DME) to 26 27 52S 153 06 07E
then along COAST 70 to 26 22 54S 153 07 00E
then along the minor arc of a circle of 13.00NM radius centred on
26 35 52S 153 05 25E (SU/DME) to 26 46 57S 153 13 03E
26 42 41S 153 10 07E,
then along the minor arc of a circle of 8.00NM radius centred on
26 35 52S 153 05 25E (SU/DME) to 26 43 33S 153 02 51E
VERTICAL LIMITS: 1500 - 2500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/SUNSHINE COAST CTA D2

LATERAL LIMITS: 26 41 58S 153 02 20E, 26 43 33S 153 02 51E
then along the minor arc of a circle of 8.00NM radius centred on
26 35 52S 153 05 25E (SU/DME) to 26 42 41S 153 10 07E
26 49 31S 153 14 49E,
then along the minor arc of a circle of 16.00NM radius centred on
26 35 52S 153 05 25E (SU/DME) to 26 33 35S 153 23 05E
then along the minor arc of a circle of 50.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 32 49S 153 19 31E
then along the minor arc of a circle of 13.00NM radius centred on
26 35 52S 153 05 25E (SU/DME) to 26 22 54S 153 07 00E
then along COAST 70 to 26 27 52S 153 06 07E
then along the minor arc of a circle of 8.00NM radius centred on
26 35 52S 153 05 25E (SU/DME) to 26 31 47S 152 57 44E
then along 1NM EAST OF BRUCE HWY to 26 41 58S 153 02 20E
VERTICAL LIMITS: 2500 - 3500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/SUNSHINE COAST CTA D3

LATERAL LIMITS: 26 41 58S 153 02 20E, 26 43 33S 153 02 51E
then along the minor arc of a circle of 8.00NM radius centred on
26 35 52S 153 05 25E (SU/DME) to 26 42 41S 153 10 07E
26 52 55S 153 17 10E,
then along the minor arc of a circle of 20.00NM radius centred on
26 35 52S 153 05 25E (SU/DME) to 26 34 54S 153 27 42E
then along the minor arc of a circle of 50.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 32 49S 153 19 31E
then along the minor arc of a circle of 13.00NM radius centred on
26 35 52S 153 05 25E (SU/DME) to 26 22 54S 153 07 00E
then along COAST 70 to 26 27 52S 153 06 07E
then along the minor arc of a circle of 8.00NM radius centred on
26 35 52S 153 05 25E (SU/DME) to 26 31 47S 152 57 44E
then along 1NM EAST OF BRUCE HWY to 26 41 58S 153 02 20E
VERTICAL LIMITS: 3500 - 4500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/TAMWORTH CTA D1

LATERAL LIMITS: 31 24 29S 151 02 04E, 31 17 22S 150 57 46E
then along the major arc of a circle of 15.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 07 51S 151 06 41E
31 09 51S 151 15 43E,
then along the minor arc of a circle of 23.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 24 29S 151 02 04E
VERTICAL LIMITS: 3500 - 4500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

SECTION 7 – CONTROLLED AIRSPACE E

YMMM/ADELAIDE CTA E1

LATERAL LIMITS: 35 30 01S 136 49 20E, 35 15 26S 137 34 54E
then along the minor arc of a circle of 50.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 45 40S 138 18 03E
36 24 22S 138 05 12E,
then along the major arc of a circle of 90.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 30 01S 136 49 20E
VERTICAL LIMITS: 8500 - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/AVALON CTA E1

LATERAL LIMITS: 38 08 36S 144 21 49E, 37 54 54S 144 24 29E
then along the minor arc of a circle of 8.00NM radius centred on
38 02 22S 144 28 10E (YMAV/AD) to 37 59 14S 144 37 29E
38 07 22S 144 36 05E,
then along the minor arc of a circle of 8.00NM radius centred on
38 02 22S 144 28 10E (YMAV/AD) to 38 08 36S 144 21 49E
VERTICAL LIMITS: 700 AGL - 1500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/AVALON CTA E2

LATERAL LIMITS: 38 13 43S 144 20 49E, 37 51 04S 144 25 13E
then along the minor arc of a circle of 12.00NM radius centred on
38 02 57S 144 27 33E (AV/DME) to 37 55 00S 144 38 57E
37 55 26S 144 38 08E, 38 07 22S 144 36 05E
then along the minor arc of a circle of 8.00NM radius centred on
38 02 22S 144 28 10E (YMAV/AD) to 38 09 07S 144 33 38E
38 12 47S 144 36 17E,
then along the minor arc of a circle of 12.00NM radius centred on
38 02 57S 144 27 33E (AV/DME) to 38 13 43S 144 20 49E
VERTICAL LIMITS: 1500 - 4500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BROOME CTA E1

LATERAL LIMITS: A circle of 31.00NM radius centred on
17 56 49S 122 14 05E (BRM/DME)
VERTICAL LIMITS: 1200 AGL - 5500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BROOME CTA E2

LATERAL LIMITS: A circle of 31.00NM radius centred on
17 56 49S 122 14 05E (BRM/DME)
VERTICAL LIMITS: 5500 - 6500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BROOME CTA E3

LATERAL LIMITS: 18 08 44S 121 34 00E, 18 06 04S 121 43 02E
then along the minor arc of a circle of 31.00NM radius centred on
17 56 49S 122 14 05E (BRM/DME) to 17 28 04S 122 26 34E
17 19 44S 122 30 10E,
then along the major arc of a circle of 40.00NM radius centred on
17 56 49S 122 14 05E (BRM/DME) to 18 08 44S 121 34 00E
VERTICAL LIMITS: 6500 - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BROOME CTA E4

LATERAL LIMITS: 18 11 42S 121 23 58E, 18 06 04S 121 43 02E
then along the minor arc of a circle of 31.00NM radius centred on
17 56 49S 122 14 05E (BRM/DME) to 17 28 04S 122 26 34E
17 10 27S 122 34 10E,
then along the major arc of a circle of 50.00NM radius centred on
17 56 49S 122 14 05E (BRM/DME) to 18 11 42S 121 23 58E
VERTICAL LIMITS: 8500 - FL115
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BROOME CTA E5

LATERAL LIMITS: 18 14 39S 121 13 55E, 18 06 04S 121 43 02E
then along the minor arc of a circle of 31.00NM radius centred on
17 56 49S 122 14 05E (BRM/DME) to 17 28 04S 122 26 34E
17 01 11S 122 38 10E,
then along the major arc of a circle of 60.00NM radius centred on
17 56 49S 122 14 05E (BRM/DME) to 18 14 39S 121 13 55E
VERTICAL LIMITS: FL115 - FL145
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BROOME CTA E6

LATERAL LIMITS: 18 19 03S 120 58 51E, 18 06 04S 121 43 02E
then along the minor arc of a circle of 31.00NM radius centred on
17 56 49S 122 14 05E (BRM/DME) to 17 28 04S 122 26 34E
16 47 16S 122 44 09E,
then along the major arc of a circle of 75.00NM radius centred on
17 56 49S 122 14 05E (BRM/DME) to 18 19 03S 120 58 51E
VERTICAL LIMITS: FL145 - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/CONTINENTAL AUSTRALIA CTA E1

LATERAL LIMITS: 21 50 00S 111 30 00E, 19 30 36S 113 31 23E
18 47 59S 115 33 44E, 18 20 55S 116 48 24E
17 37 11S 118 45 34E, 10 20 53S 129 11 21E
then along the minor arc of a circle of 160.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 09 50 00S 131 35 58E
09 50 00S 141 00 00E, 09 37 00S 141 01 06E
09 15 42S 142 03 30E,
then along QLD/PNG border to 09 19 24S 142 48 18E
09 08 00S 143 52 30E, 09 24 00S 144 14 00E
09 56 34S 144 05 21E,
then along the Barrier Reef to 11 30 00S 144 01 36E
11 43 30S 144 04 20E, 12 00 00S 144 00 00E
12 00 00S 144 42 10E, 14 25 18S 145 05 11E
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 14 44 19S 147 08 50E
18 00 30S 147 39 36E,
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 18 13 56S 147 55 42E
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 18 26 56S 148 06 03E
19 21 25S 148 42 02E, 19 44 56S 148 57 43E
22 34 10S 151 35 12E, 24 58 55S 154 00 00E
then along the minor arc of a circle of 150.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 29 49 13S 153 42 58E

30 40 20S 153 31 46E, 31 54 55S 152 55 31E
then along the minor arc of a circle of 150.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 36 13 51S 152 25 08E
then along the minor arc of a circle of 120.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 36 56 43S 150 45 03E
38 11 19S 150 19 14E, 43 00 00S 151 00 00E
43 51 03S 150 39 53E, 43 31 15S 149 21 30E
43 43 48S 145 51 48E, 42 21 00S 141 00 00E
37 10 38S 125 04 54E, 36 43 12S 120 00 00E
36 25 00S 116 40 00E, 34 11 13S 114 13 59E
then along the minor arc of a circle of 160.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 15 48S 112 56 25E
21 50 00S 111 30 00E
VERTICAL LIMITS: FL180 - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/DARWIN CTA E1

LATERAL LIMITS: 13 50 31S 130 23 20E, 13 03 27S 130 41 17E
then along the major arc of a circle of 40.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 13 01 38S 131 12 04E
13 43 19S 131 41 08E,
then along the major arc of a circle of 90.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 13 50 31S 130 23 20E
VERTICAL LIMITS: 8500 - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/DARWIN CTA E2

LATERAL LIMITS: 13 12 52S 130 37 42E, 13 50 31S 130 23 20E
then along the minor arc of a circle of 90.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 13 43 19S 131 41 08E
13 10 00S 131 17 53E,
then along the minor arc of a circle of 50.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 13 12 52S 130 37 42E
VERTICAL LIMITS: 9500 - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/EAST COAST CTA E1

LATERAL LIMITS: 33 49 08S 150 05 23E, 33 47 37S 149 52 55E
33 50 51S 149 34 59E, 33 59 41S 149 34 44E
34 17 02S 148 27 30E,
then along the minor arc of a circle of 70.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 50 04S 147 52 58E
34 58 56S 147 40 34E,
then along the minor arc of a circle of 15.00NM radius centred on
35 09 57S 147 28 08E (WG/DME) to 35 16 44S 147 11 48E
35 27 14S 146 47 07E, 36 19 28S 145 41 54E
then along the minor arc of a circle of 90.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 24 34S 143 11 49E
38 01 46S 144 01 04E,
then along the major arc of a circle of 45.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 24 07S 144 59 21E
38 30 58S 145 07 38E, 39 08 42S 145 07 34E
then along the minor arc of a circle of 90.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 01 50S 146 33 00E
36 14 52S 147 56 10E, 35 51 58S 148 48 04E
then along the major arc of a circle of 40.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 35 12 37S 150 00 19E
35 20 06S 149 48 12E, 35 25 48S 149 38 33E
35 44 49S 150 37 09E, 35 19 57S 150 34 29E
then along the minor arc of a circle of 23.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 34 56 07S 150 59 57E
34 43 56S 151 00 00E, 34 41 07S 151 02 28E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 39 16S 150 53 26E
34 46 20S 150 42 19E,
then along the minor arc of a circle of 55.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 49 08S 150 05 23E
VERTICAL LIMITS: 8500 - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/EAST COAST CTA E2

LATERAL LIMITS: 20 43 43S 147 01 35E, 22 47 31S 147 32 14E
23 20 00S 148 00 00E, 23 14 43S 148 51 18E
23 36 36S 148 43 03E, 26 41 15S 151 01 54E
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 58 42S 151 47 37E
29 19 33S 151 28 53E, 30 25 04S 150 52 26E
30 48 57S 150 49 46E,
then along the minor arc of a circle of 15.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 07 51S 151 06 41E
31 09 51S 151 15 43E,
then along the minor arc of a circle of 23.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 24 29S 151 02 04E
31 44 02S 151 13 59E,
then along the minor arc of a circle of 45.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 48 47S 150 43 44E
32 04 00S 150 45 26E, 32 33 39S 149 35 37E
33 22 22S 148 22 27E, 34 17 02S 148 27 30E
33 59 41S 149 34 44E, 33 50 51S 149 34 59E
33 47 37S 149 52 55E, 33 50 34S 150 17 16E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 16 11S 150 46 53E
33 06 18S 150 43 56E,
then along the minor arc of a circle of 55.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 21 40S 152 01 50E
33 30 06S 151 54 31E,
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 28 18S 151 49 23E
34 59 00S 152 29 22E,
then along the minor arc of a circle of 90.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 32 52 40S 152 26 42E
30 40 20S 153 31 46E, 29 39 25S 153 45 06E
then along the minor arc of a circle of 90.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 27 13 12S 154 48 54E
then along the minor arc of a circle of 90.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 25 52 15S 153 19 26E
20 38 57S 149 30 41E, 19 44 56S 148 57 43E
19 24 06S 148 20 08E,
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 17 45 21S 146 59 48E
then along the major arc of a circle of 90.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 18 20 13S 145 29 46E
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 20 43 43S 147 01 35E
VERTICAL LIMITS: 8500 - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/EAST COAST CTA E3A

LATERAL LIMITS: 34 24 17S 141 44 44E, 36 37 27S 143 29 01E
then along the minor arc of a circle of 90.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 10 40S 144 32 26E
34 01 08S 142 24 01E, 34 24 17S 141 44 44E
VERTICAL LIMITS: FL125 - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/EAST COAST CTA E3B

LATERAL LIMITS: 32 18 36S 148 24 45E, 32 59 58S 148 56 23E
32 37 32S 149 29 53E, 32 05 16S 148 41 55E
32 18 36S 148 24 45E
VERTICAL LIMITS: FL125 - FL180

HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/EAST COAST CTA E3C

LATERAL LIMITS: 39 47 36S 145 07 30E, 39 08 42S 145 07 34E
then along the minor arc of a circle of 90.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 36 40S 146 18 48E
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 38 44 00S 146 27 40E
41 14 33S 148 38 07E, 42 06 26S 148 02 44E
then along the minor arc of a circle of 50.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 02 46S 147 50 19E
41 27 27S 147 25 05E, 41 17 40S 147 47 21E
then along the minor arc of a circle of 30.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 41 06 21S 147 32 00E
40 44 24S 147 47 49E,
then along the minor arc of a circle of 55.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 41 06 13S 146 08 45E
41 31 39S 147 00 31E, 41 41 54S 147 04 52E
41 54 56S 147 02 07E,
then along the minor arc of a circle of 60.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 15 56S 146 25 34E
40 59 50S 145 34 16E, 39 47 36S 145 07 30E
VERTICAL LIMITS: FL125 - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/KARRATHA CTA E1

LATERAL LIMITS: A circle of 31.00NM radius centred on
20 42 54S 116 46 26E (KA/DME)
VERTICAL LIMITS: 1200 AGL - 5500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/KARRATHA CTA E2

LATERAL LIMITS: A circle of 31.00NM radius centred on
20 42 54S 116 46 26E (KA/DME)
VERTICAL LIMITS: 5500 - 6500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/KARRATHA CTA E3

LATERAL LIMITS: 20 28 06S 116 06 48E, 20 31 27S 116 15 43E
then along the minor arc of a circle of 31.00NM radius centred on
20 42 54S 116 46 26E (KA/DME) to 20 16 22S 117 03 41E
20 08 40S 117 08 40E,
then along the major arc of a circle of 40.00NM radius centred on
20 42 54S 116 46 26E (KA/DME) to 20 28 06S 116 06 48E
VERTICAL LIMITS: 6500 - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/KARRATHA CTA E4

LATERAL LIMITS: 20 24 22S 115 56 55E, 20 31 27S 116 15 43E
then along the minor arc of a circle of 31.00NM radius centred on
20 42 54S 116 46 26E (KA/DME) to 20 16 22S 117 03 41E
20 00 06S 117 14 12E,
then along the major arc of a circle of 50.00NM radius centred on
20 42 54S 116 46 26E (KA/DME) to 20 24 22S 115 56 55E
VERTICAL LIMITS: 8500 - FL115
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/KARRATHA CTA E5

LATERAL LIMITS: 20 20 38S 115 47 02E, 20 31 27S 116 15 43E
then along the minor arc of a circle of 31.00NM radius centred on
20 42 54S 116 46 26E (KA/DME) to 20 16 22S 117 03 41E
19 51 31S 117 19 43E,
then along the major arc of a circle of 60.00NM radius centred on
20 42 54S 116 46 26E (KA/DME) to 20 20 38S 115 47 02E
VERTICAL LIMITS: FL115 - FL145
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/KARRATHA CTA E6

LATERAL LIMITS: 20 15 01S 115 32 14E, 20 31 27S 116 15 43E
then along the minor arc of a circle of 31.00NM radius centred on
20 42 54S 116 46 26E (KA/DME) to 20 16 22S 117 03 41E
19 38 39S 117 27 59E,
then along the major arc of a circle of 75.00NM radius centred on
20 42 54S 116 46 26E (KA/DME) to 20 15 01S 115 32 14E
VERTICAL LIMITS: FL145 - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/MACKAY CTA E1

LATERAL LIMITS: A circle of 6.00NM radius centred on
21 10 23S 149 11 15E (MK/DME)
VERTICAL LIMITS: 700 AGL - 1000 AMSL
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/MACKAY CTA E2

LATERAL LIMITS: 21 09 04S 149 04 58E, 21 07 52S 148 59 46E
then along the major arc of a circle of 11.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 21 21 24S 149 10 50E
21 16 23S 149 11 00E,
then along the minor arc of a circle of 6.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 21 09 04S 149 04 58E
VERTICAL LIMITS: 1000 - 2500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/MACKAY CTA E3

LATERAL LIMITS: 21 09 04S 149 04 58E, 21 06 40S 148 54 35E
then along the minor arc of a circle of 16.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 20 54 19S 149 12 02E
20 59 20S 149 11 47E,
then along the minor arc of a circle of 11.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 21 15 48S 149 21 29E
21 18 12S 149 26 11E,
then along the minor arc of a circle of 16.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 21 26 25S 149 10 40E
21 16 23S 149 11 00E,
then along the minor arc of a circle of 6.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 21 09 04S 149 04 58E
VERTICAL LIMITS: 2500 - 3500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/MACKAY CTA E4

LATERAL LIMITS: 21 09 04S 149 04 58E, 21 05 13S 148 48 21E
then along the minor arc of a circle of 22.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 20 48 18S 149 12 21E
20 59 20S 149 11 47E,

then along the minor arc of a circle of 11.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 21 15 48S 149 21 29E
21 21 06S 149 31 49E,
then along the minor arc of a circle of 22.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 21 32 26S 149 10 28E
21 16 23S 149 11 00E,
then along the minor arc of a circle of 6.00NM radius centred on
21 10 23S 149 11 15E (MK/DME) to 21 09 04S 149 04 58E
VERTICAL LIMITS: 3500 - 4500
HOURS OF ACTIVITY: AS SPECIDIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YMMM/PERTH CTA E

LATERAL LIMITS: 33 03 37S 114 46 13E, 32 45 14S 115 06 24E
32 34 11S 115 18 26E,
then along the major arc of a circle of 50.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 32 16S 116 39 06E
32 40 42S 116 54 07E, 32 54 36S 117 19 06E
then along the major arc of a circle of 90.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 33 03 37S 114 46 13E
VERTICAL LIMITS: 8500 - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/ROCKHAMPTON CTA E1

LATERAL LIMITS: 23 26 07S 150 21 46E, 23 24 49S 150 21 12E
then along the minor arc of a circle of 7.00NM radius centred on
23 22 09S 150 28 14E to 23 19 29S 150 35 16E
23 20 46S 150 35 51E,
then along the major arc of a circle of 7.00NM radius centred on
23 23 26S 150 28 48E to 23 26 07S 150 21 46E
VERTICAL LIMITS: 700 AGL - 1000
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/ROCKHAMPTON CTA E2

LATERAL LIMITS: 23 19 22S 150 17 00E, 23 17 41S 150 11 54E
then along the minor arc of a circle of 16.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 07 08S 150 31 09E
23 12 05S 150 30 15E,
then along the minor arc of a circle of 11.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 27 49S 150 39 02E
23 29 59S 150 43 57E,
then along the minor arc of a circle of 16.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 38 57S 150 26 34E
23 33 57S 150 27 06E,
then along the minor arc of a circle of 11.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 19 22S 150 17 00E
VERTICAL LIMITS: 1000 - 2500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/ROCKHAMPTON CTA E3

LATERAL LIMITS: 23 17 41S 150 11 54E, 23 16 40S 150 08 49E
then along the minor arc of a circle of 19.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 04 10S 150 31 41E
23 07 08S 150 31 09E,
then along the minor arc of a circle of 16.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 29 59S 150 43 57E
23 31 16S 150 46 54E,
then along the minor arc of a circle of 19.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 41 56S 150 26 15E
23 38 57S 150 26 34E,
then along the minor arc of a circle of 16.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 17 41S 150 11 54E
VERTICAL LIMITS: 2500 - 3500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/ROCKHAMPTON CTA E4

LATERAL LIMITS: 23 17 41S 150 11 54E, 23 15 39S 150 05 45E
then along the minor arc of a circle of 22.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 01 12S 150 32 13E
23 07 08S 150 31 09E,
then along the minor arc of a circle of 16.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 29 59S 150 43 58E
23 32 34S 150 49 51E,
then along the minor arc of a circle of 22.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 44 56S 150 25 56E
23 38 57S 150 26 34E,
then along the minor arc of a circle of 16.00NM radius centred on
23 22 58S 150 28 18E (RK/DME) to 23 17 41S 150 11 54E
VERTICAL LIMITS: 3500 - 4500
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Airservices Australia

YBBB/WILLIAMTOWN CTA E

LATERAL LIMITS: 32 40 49S 151 34 15E, 32 36 02S 151 23 51E
then along the minor arc of a circle of 25.00NM radius centred on
32 47 49S 151 49 59E (WLM/TAC) to 32 22 47S 151 51 04E
then along the major arc of a circle of 25.00NM radius centred on
32 47 49S 151 49 59E (WLM/TAC) to 33 11 51S 151 41 33E
then along the minor arc of a circle of 25.00NM radius centred on
32 47 49S 151 49 59E (WLM/TAC) to 33 10 38S 151 37 42E
32 53 41S 151 37 33E, 32 47 22S 151 37 30E
32 44 26S 151 36 20E, 32 43 29S 151 32 57E
32 40 49S 151 34 15E
VERTICAL LIMITS: 4500 - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

SECTION 8 – OCEANIC CONTROL AREAS

YBBB-YMMM/BRISBANE/MELB OCEANIC CONTROL

LATERAL LIMITS: 06 00 00S 075 00 00E, 02 00 00S 078 00 00E
02 00 00S 092 00 00E, 12 00 00S 107 00 00E
12 00 00S 114 30 00E, 12 00 00S 123 20 00E
09 20 00S 126 50 00E, 07 00 00S 135 00 00E
09 50 00S 139 40 00E, 09 50 00S 131 35 58E
then along the minor arc of a circle of 160.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 10 20 53S 129 11 21E
17 37 11S 118 45 34E, 18 20 55S 116 48 24E
18 47 59S 115 33 44E, 19 30 36S 113 31 23E
21 50 00S 111 30 00E, 31 15 48S 112 56 25E
then along the minor arc of a circle of 160.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 34 11 13S 114 13 59E
36 25 00S 116 40 00E, 36 43 12S 120 00 00E
37 10 38S 125 04 54E, 42 21 00S 141 00 00E
43 43 48S 145 51 48E, 43 31 15S 149 21 30E
43 51 03S 150 39 53E, 43 00 00S 151 00 00E
38 11 19S 150 19 14E, 36 56 43S 150 45 03E
then along the minor arc of a circle of 120.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 36 13 51S 152 25 08E
36 13 36S 152 25 23E, 36 29 26S 153 48 37E
then along the minor arc of a circle of 200.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 31 07 50S 153 18 31E
30 40 20S 153 31 46E, 29 49 13S 153 42 58E
then along the minor arc of a circle of 150.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 24 58 55S 154 00 00E
23 13 18S 153 14 30E, 22 15 21S 152 02 50E
18 40 27S 151 00 35E, 16 09 59S 151 06 21E
12 00 00S 148 34 24E, 12 00 00S 155 00 00E
14 00 00S 155 00 00E, 14 00 00S 161 15 00E
17 40 00S 163 00 00E, 80 00 00S 163 00 00E
80 00 00S 075 00 00E, 06 00 00S 075 00 00E

VERTICAL LIMITS: FL245 - FL600

CONTROLLING AUTHORITY: Airservices Australia

NOTES

SECTION 9 – ATC SECTORS LOW

YMMM/ADELAIDE TMA

LATERAL LIMITS: 34 20 11S 138 22 31E, 34 07 56S 138 18 15E
then along the minor arc of a circle of 50.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 34 17 16S 139 08 38E
34 27 56S 138 57 37E,
then along the major arc of a circle of 36.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 34 21 27S 138 22 59E
34 20 11S 138 22 31E
VERTICAL LIMITS: SFC - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/ALMA A

LATERAL LIMITS: 22 48 42S 149 09 24E, 22 28 48S 149 35 00E
22 21 30S 149 51 54E, 22 14 32S 150 00 42E
22 17 00S 150 12 00E, 22 15 00S 150 20 00E
22 12 34S 150 25 27E, 22 06 00S 150 30 00E
22 06 00S 150 45 00E, 21 39 12S 151 52 08E
22 15 21S 152 02 50E, 23 13 18S 153 14 30E
24 58 55S 154 00 00E,
then along the minor arc of a circle of 150.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 25 06 43S 154 21 26E
25 45 00S 154 00 00E, 26 04 31S 154 00 00E
then along the minor arc of a circle of 90.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 21 06S 151 54 05E
25 57 04S 151 21 59E, 24 38 10S 150 20 30E
23 10 00S 149 35 00E, 23 05 40S 149 20 16E
22 48 42S 149 09 24E
VERTICAL LIMITS: SFC - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/ALMA B

LATERAL LIMITS: 22 48 42S 149 09 24E, 22 28 48S 149 35 00E
22 21 30S 149 51 54E, 22 14 32S 150 00 42E
22 17 00S 150 12 00E, 22 15 00S 150 20 00E
22 12 34S 150 25 27E, 22 06 00S 150 30 00E
22 06 00S 150 45 00E, 21 39 12S 151 52 08E
22 15 21S 152 02 50E, 23 13 18S 153 14 30E
24 58 55S 154 00 00E,
then along the minor arc of a circle of 150.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 25 06 43S 154 21 26E
25 45 00S 154 00 00E, 26 04 31S 154 00 00E
then along the minor arc of a circle of 90.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 25 52 15S 153 19 26E
25 22 05S 152 56 24E,
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 01 51S 151 28 21E
25 57 04S 151 21 59E, 24 38 10S 150 20 30E
23 10 00S 149 35 00E, 23 05 40S 149 20 16E
22 48 42S 149 09 24E
VERTICAL LIMITS: FL180 - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/ALMA C

LATERAL LIMITS: 26 39 16S 152 06 08E, 26 21 06S 151 54 05E
then along the minor arc of a circle of 90.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 04 31S 154 00 00E
26 36 02S 154 00 00E,
then along the minor arc of a circle of 65.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 45 10S 152 08 15E
26 39 16S 152 06 08E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/ARNHEM

LATERAL LIMITS: 10 01 27S 131 39 32E, 09 48 39S 131 30 25E
then along the minor arc of a circle of 160.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 09 50 00S 131 35 58E
09 50 00S 139 40 00E, 11 36 30S 140 00 00E
14 00 00S 140 00 00E, 15 00 00S 140 00 00E
14 56 29S 138 52 36E, 15 08 36S 138 20 42E
15 42 12S 137 12 54E, 16 35 57S 137 10 56E
17 20 18S 137 09 18E, 19 01 14S 137 40 20E
20 43 56S 136 14 02E, 21 29 59S 136 19 44E
21 12 32S 131 55 06E, 19 00 00S 131 30 00E
17 10 35S 131 30 00E, 16 55 10S 131 36 45E
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 13 31 12S 134 44 11E
12 12 02S 133 27 00E,
then along the minor arc of a circle of 150.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 11 27 44S 133 15 45E
then along the minor arc of a circle of 150.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 10 01 27S 131 39 32E
VERTICAL LIMITS: SFC - FL285
CONTROLLING AUTHORITY: Airservices Australia

YMMM/AVALON APPROACH A

LATERAL LIMITS: 38 08 36S 144 21 49E, 37 54 54S 144 24 29E
then along the minor arc of a circle of 8.00NM radius centred on
38 02 22S 144 28 10E (YMAV/AD) to 37 59 14S 144 37 29E
38 07 22S 144 36 05E,
then along the minor arc of a circle of 8.00NM radius centred on
38 02 22S 144 28 10E (YMAV/AD) to 38 08 36S 144 21 49E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/AVALON APPROACH B

LATERAL LIMITS: 38 13 43S 144 20 49E, 37 51 04S 144 25 13E
then along the minor arc of a circle of 12.00NM radius centred on
38 02 57S 144 27 33E (AV/DME) to 37 55 00S 144 38 57E
37 55 26S 144 38 08E, 38 07 22S 144 36 05E
then along the minor arc of a circle of 8.00NM radius centred on
38 02 22S 144 28 10E (YMAV/AD) to 38 09 07S 144 33 38E
38 12 47S 144 36 17E,
then along the minor arc of a circle of 12.00NM radius centred on
38 02 57S 144 27 33E (AV/DME) to 38 13 43S 144 20 49E
VERTICAL LIMITS: 1500 - 4500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BARKLY A

LATERAL LIMITS: 20 43 56S 136 14 02E, 19 01 14S 137 40 20E
19 05 23S 140 05 10E, 19 22 34S 140 36 52E
then along the minor arc of a circle of 100.00NM radius centred on
20 39 53S 139 29 09E (MA/DME) to 20 01 56S 141 07 40E
19 05 00S 142 50 00E, 18 17 48S 143 50 32E
18 34 39S 144 46 06E, 18 20 13S 145 29 46E
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 20 37 58S 146 08 32E
21 26 57S 145 46 28E, 21 51 14S 145 35 26E

21 43 33S 145 25 58E, 21 43 42S 143 53 44E
22 08 25S 142 57 53E, 23 10 00S 140 46 17E
23 10 00S 137 00 50E, 22 17 51S 136 38 07E
21 51 32S 136 22 25E, 20 43 56S 136 14 02E
VERTICAL LIMITS: SFC - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BARKLY B

LATERAL LIMITS: 19 01 14S 137 40 20E, 19 05 23S 140 05 10E
19 22 34S 140 36 52E,
then along the minor arc of a circle of 100.00NM radius centred on
20 39 53S 139 29 09E (MA/DME) to 20 01 56S 141 07 40E
19 05 00S 142 50 00E, 18 17 48S 143 50 32E
18 49 22S 144 07 24E, 19 25 53S 144 27 04E
20 11 58S 144 53 36E, 21 26 57S 145 46 28E
21 51 14S 145 35 26E, 21 43 33S 145 25 58E
21 43 42S 143 53 44E, 22 08 25S 142 57 53E
23 10 00S 140 46 17E, 23 10 00S 137 00 50E
22 17 51S 136 38 07E, 21 51 32S 136 22 25E
20 43 56S 136 14 02E, 19 01 14S 137 40 20E
VERTICAL LIMITS: FL180 - FL285
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BARRA LOW A

LATERAL LIMITS: 16 47 15S 144 36 59E,
then along the minor arc of a circle of 65.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 48 12S 146 52 20E
16 44 44S 146 21 36E,
then along the minor arc of a circle of 36.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 48 58S 145 07 09E
16 47 15S 144 36 59E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BARRA LOW B

LATERAL LIMITS: 16 41 46S 143 08 34E,
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 14 44 19S 147 08 50E
16 51 30S 147 28 40E, 16 51 05S 147 18 30E
16 48 12S 146 52 20E,
then along the minor arc of a circle of 65.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 47 15S 144 36 59E
16 41 46S 143 08 34E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BARRA LOW C

LATERAL LIMITS: 16 41 46S 143 08 34E,
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 14 44 19S 147 08 50E
16 51 30S 147 28 40E, 16 51 05S 147 18 30E
then along the minor arc of a circle of 90.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 45 42S 144 10 59E
16 41 46S 143 08 34E
VERTICAL LIMITS: 8500 - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BATHURST A

LATERAL LIMITS: 33 49 08S 150 05 23E,
then along the minor arc of a circle of 55.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 18 49S 150 22 53E
33 25 34S 150 31 41E,
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 50 34S 150 17 16E
33 49 08S 150 05 23E
VERTICAL LIMITS: SFC - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BATHURST B

LATERAL LIMITS: 33 48 38S 149 47 19E,
then along the minor arc of a circle of 70.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 08 39S 150 09 42E
33 18 49S 150 22 53E,
then along the minor arc of a circle of 55.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 49 08S 150 05 23E
33 47 37S 149 52 55E, 33 48 38S 149 47 19E
VERTICAL LIMITS: SFC - FL155
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BATHURST C

LATERAL LIMITS: 33 22 22S 148 22 27E, 32 37 32S 149 29 53E
32 55 03S 149 52 13E, 33 08 39S 150 09 42E
then along the minor arc of a circle of 70.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 48 38S 149 47 19E
33 50 51S 149 34 59E,
then along the minor arc of a circle of 80.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 59 41S 149 34 44E
34 17 02S 148 27 30E, 33 22 22S 148 22 27E
VERTICAL LIMITS: SFC - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/BATHURST D

LATERAL LIMITS: 32 56 07S 148 03 26E, 32 38 09S 148 15 22E
32 38 14S 148 39 42E, 32 59 58S 148 56 23E
33 22 22S 148 22 27E, 34 17 02S 148 27 30E
then along the minor arc of a circle of 70.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 29 18S 148 09 16E
33 17 56S 147 48 50E, 32 56 07S 148 03 26E
VERTICAL LIMITS: SFC - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BATHURST E

LATERAL LIMITS: 32 13 10S 148 34 40E, 32 05 40S 148 49 51E
32 37 32S 149 29 53E, 32 59 58S 148 56 23E
32 38 14S 148 39 42E, 32 38 09S 148 15 22E
32 13 10S 148 34 40E
VERTICAL LIMITS: FL180 - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BENDEMEER

LATERAL LIMITS: 29 49 03S 151 12 35E, 30 26 19S 151 40 09E
30 28 21S 151 43 02E, 30 41 52S 152 02 20E
31 26 47S 151 33 04E, 32 27 28S 151 05 59E
32 26 34S 151 04 08E,

then along the minor arc of a circle of 90.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 32 31 57S 150 33 47E
31 50 00S 150 30 07E, 31 39 33S 150 42 42E
31 18 48S 150 46 50E,
then along the minor arc of a circle of 15.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 30 48 57S 150 49 46E
30 25 04S 150 52 26E, 29 49 03S 151 12 35E
VERTICAL LIMITS: FL125 - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BOGAN A

LATERAL LIMITS: 29 00 00S 143 30 00E, 29 00 00S 146 32 00E
31 20 57S 148 15 39E, 31 53 55S 147 07 20E
32 51 02S 146 47 12E, 32 47 00S 145 53 42E
33 11 36S 145 31 23E, 33 37 00S 145 29 24E
33 08 00S 144 42 00E, 33 00 00S 144 00 00E
33 00 00S 143 31 00E, 31 47 54S 143 31 00E
31 00 00S 142 48 44E, 29 53 53S 142 40 54E
29 00 00S 143 30 00E
VERTICAL LIMITS: SFC - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BOGAN B

LATERAL LIMITS: 29 00 00S 143 30 00E, 29 00 00S 146 32 00E
31 20 57S 148 15 39E, 31 53 55S 147 07 20E
33 03 21S 146 42 48E, 32 57 11S 146 15 43E
33 11 36S 145 31 23E, 33 37 00S 145 29 24E
33 08 00S 144 42 00E, 33 00 00S 144 00 00E
33 00 00S 143 31 00E, 31 47 54S 143 31 00E
31 00 00S 142 48 44E, 29 53 53S 142 40 54E
29 00 00S 143 30 00E
VERTICAL LIMITS: FL180 - FL285
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/CABLE

LATERAL LIMITS: 17 37 11S 118 45 34E, 16 11 05S 120 55 45E
14 20 14S 123 37 52E, 15 44 06S 125 02 06E
15 56 48S 125 15 00E, 16 42 00S 126 28 00E
18 15 00S 123 50 00E, 20 30 00S 123 50 00E
20 54 02S 123 18 47E, 20 03 18S 121 40 22E
19 00 00S 120 15 00E, 17 37 11S 118 45 34E
VERTICAL LIMITS: SFC - FL285
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/CAIRNS APPROACH

LATERAL LIMITS: A circle of 36.00NM radius centred on
16 51 01S 145 44 38E (CS/DME)
VERTICAL LIMITS: SFC - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/CANNING

LATERAL LIMITS: 14 20 14S 123 37 52E, 12 26 03S 126 19 25E
12 39 55S 128 01 11E,
then along the minor arc of a circle of 170.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 15 05 44S 129 54 21E
15 15 20S 129 54 33E,
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 16 55 10S 131 36 45E
17 10 35S 131 30 00E, 19 00 00S 131 30 00E
21 12 32S 131 55 06E, 21 12 09S 131 50 24E
23 13 13S 128 27 49E, 23 23 49S 126 03 32E
21 31 19S 124 33 04E, 20 54 02S 123 18 47E
20 30 00S 123 50 00E, 18 15 00S 123 50 00E
16 42 00S 126 28 00E, 15 56 48S 125 15 00E
15 44 06S 125 02 06E, 14 20 14S 123 37 52E
VERTICAL LIMITS: SFC - FL285
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/COBOURG

LATERAL LIMITS: 12 26 03S 126 19 25E, 10 20 53S 129 11 21E
then along the minor arc of a circle of 160.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 09 48 39S 131 30 25E
10 01 27S 131 39 32E,
then along the minor arc of a circle of 150.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 14 10 15S 132 44 50E
then along the major arc of a circle of 30.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 14 59 01S 132 10 37E
then along the minor arc of a circle of 170.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 39 55S 128 01 11E
12 26 03S 126 19 25E
VERTICAL LIMITS: Base of CTA - FL285
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/COOPER

LATERAL LIMITS: 23 10 00S 137 00 50E, 23 10 00S 140 46 17E
22 08 25S 142 57 53E, 21 43 42S 143 53 44E
21 43 33S 145 25 58E, 22 01 17S 145 47 51E
22 58 59S 145 52 31E, 25 50 45S 147 30 00E
27 20 00S 147 35 45E, 28 03 12S 147 05 18E
29 00 00S 146 32 00E, 29 00 00S 143 30 00E
26 13 31S 138 23 24E, 23 10 00S 137 00 50E
VERTICAL LIMITS: SFC - FL285
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/DAWSON A

LATERAL LIMITS: 25 50 45S 147 30 00E, 25 12 04S 147 07 36E
25 27 29S 148 33 20E, 25 12 58S 149 31 28E
25 20 31S 150 00 00E, 25 17 44S 150 23 59E
26 30 45S 150 30 32E,
then along the minor arc of a circle of 150.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 37 45S 150 41 59E
29 00 00S 149 00 00E, 29 08 07S 147 42 57E
29 20 27S 146 46 41E, 29 00 00S 146 32 00E
28 03 12S 147 05 18E, 27 20 00S 147 35 45E
25 50 45S 147 30 00E
VERTICAL LIMITS: SFC - FL285
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/DAWSON B

LATERAL LIMITS: 26 30 45S 150 30 32E, 25 17 44S 150 23 59E
25 14 46S 150 48 49E, 25 57 04S 151 21 59E
26 01 51S 151 28 21E,
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 29 54S 151 16 32E
28 37 45S 150 41 59E,
then along the minor arc of a circle of 150.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 30 45S 150 30 32E
VERTICAL LIMITS: SFC - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/DOOKIE A

LATERAL LIMITS: 36 51 13S 144 53 03E, 36 08 13S 145 41 28E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 12 07S 145 51 12E
36 30 45S 145 41 37E,
then along the minor arc of a circle of 80.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 26 42S 146 29 49E
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 37 54 48S 146 07 18E
37 47 08S 145 27 08E,
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 09 36S 144 52 04E
36 51 13S 144 53 03E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/DOWNS C

LATERAL LIMITS: 26 41 15S 151 01 54E,
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 01 51S 151 28 21E
26 21 06S 151 54 05E, 26 39 16S 152 06 08E
27 05 15S 152 15 28E, 26 51 37S 151 33 22E
26 41 15S 151 01 54E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/DUBBO A

LATERAL LIMITS: 31 53 55S 147 07 20E, 31 20 57S 148 15 39E
32 05 40S 148 49 51E, 32 37 32S 149 29 53E
32 59 58S 148 56 23E, 32 38 14S 148 39 42E
32 38 09S 148 15 22E, 32 56 07S 148 03 26E
32 51 02S 146 47 12E, 31 53 55S 147 07 20E
VERTICAL LIMITS: SFC - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/DUBBO B

LATERAL LIMITS: 31 20 57S 148 15 39E, 32 05 40S 148 49 51E
32 13 10S 148 34 40E, 32 38 09S 148 15 22E
32 56 07S 148 03 26E, 33 17 56S 147 48 50E
33 03 21S 146 42 48E, 31 53 55S 147 07 20E
31 20 57S 148 15 39E
VERTICAL LIMITS: FL180 - FL285
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/EMERALD A

LATERAL LIMITS: 21 51 14S 145 35 26E, 21 26 57S 145 46 28E
21 43 30S 146 06 56E, 22 33 00S 147 44 50E
22 52 45S 148 17 40E, 22 48 42S 149 09 24E
23 05 40S 149 20 16E, 23 10 00S 149 35 00E
24 38 10S 150 20 30E, 25 17 44S 150 23 59E
25 20 31S 150 00 00E, 25 12 58S 149 31 28E
25 27 29S 148 33 20E, 25 12 04S 147 07 36E
22 58 59S 145 52 31E, 22 01 17S 145 47 51E
21 51 14S 145 35 26E
VERTICAL LIMITS: SFC - FL285
CONTROLLING AUTHORITY: Airservices Australia

YBBB/EMERALD B

LATERAL LIMITS: 25 17 44S 150 23 59E, 24 38 10S 150 20 30E
25 14 46S 150 48 49E, 25 17 44S 150 23 59E
VERTICAL LIMITS: SFC - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/FORREST LOW

LATERAL LIMITS: 30 51 00S 123 37 37E, 29 30 00S 125 00 00E
28 47 01S 127 50 00E, 28 23 26S 130 18 37E
28 09 51S 131 36 52E, 29 43 37S 133 18 18E
30 51 20S 132 00 00E, 33 00 00S 132 00 00E
33 39 49S 134 16 47E, 34 46 18S 135 00 00E
36 10 04S 135 00 00E, 36 57 30S 139 40 00E
37 49 05S 139 40 00E, 38 54 04S 139 40 00E
38 54 04S 141 00 00E, 42 21 00S 141 00 00E
37 10 38S 125 04 54E, 35 04 27S 125 00 10E
32 51 36S 124 00 00E, 30 51 00S 123 37 37E
VERTICAL LIMITS: SFC - FL285
CONTROLLING AUTHORITY: Airservices Australia

YMMM/GOULBURN A

LATERAL LIMITS: 34 50 49S 147 47 58E, 34 50 04S 147 52 58E
then along the minor arc of a circle of 70.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 17 02S 148 27 30E
33 59 41S 149 34 44E,
then along the minor arc of a circle of 80.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 42 04S 149 51 19E
34 54 58S 149 36 46E,
then along the minor arc of a circle of 30.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 52 00S 149 32 14E
34 52 32S 149 06 00E, 34 56 18S 148 59 22E
35 09 20S 148 36 19E, 34 50 49S 147 47 58E
VERTICAL LIMITS: 8500 - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/GOULBURN B

LATERAL LIMITS: 34 02 50S 149 22 44E, 33 59 41S 149 34 44E
then along the minor arc of a circle of 80.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 42 04S 149 51 19E
34 47 38S 149 45 03E,
then along the minor arc of a circle of 40.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 37 30S 149 20 42E
then along the minor arc of a circle of 100.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 28 20S 149 16 29E
34 02 50S 149 22 44E
VERTICAL LIMITS: 8500 - FL200
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/GRAFTON A

LATERAL LIMITS: 28 26 13S 152 36 35E, 28 28 27S 153 03 16E
then along the minor arc of a circle of 30.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 24 39S 154 00 00E
28 29 50S 154 00 00E, 28 55 26S 153 54 34E
then along the minor arc of a circle of 50.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 26 13S 152 36 35E
VERTICAL LIMITS: SFC - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/GRAFTON B

LATERAL LIMITS: 28 24 06S 152 18 19E, 28 19 11S 152 22 38E
then along the minor arc of a circle of 70.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 26 13S 152 36 35E

then along the minor arc of a circle of 50.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 55 26S 153 54 34E
29 12 43S 153 50 52E,
then along the minor arc of a circle of 65.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 24 06S 152 18 19E
VERTICAL LIMITS: SFC - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/GRAFTON C

LATERAL LIMITS: 28 43 14S 152 01 23E, 28 24 06S 152 18 19E
then along the minor arc of a circle of 65.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 29 12 43S 153 50 52E
29 34 11S 153 46 14E, 30 09 54S 153 38 28E
30 40 20S 153 31 46E, 31 08 07S 153 18 23E
31 09 16S 153 05 46E, 30 55 14S 153 06 05E
then along the minor arc of a circle of 36.00NM radius centred on
30 19 10S 153 07 16E (CFS/DME) to 30 40 40S 152 33 47E
30 49 08S 152 20 33E, 30 41 52S 152 02 20E
30 28 21S 151 43 02E, 30 26 19S 151 40 09E
29 49 03S 151 12 35E, 29 19 33S 151 28 53E
28 43 14S 152 01 23E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/GRAFTON D

LATERAL LIMITS: 28 43 14S 152 01 23E, 28 24 06S 152 18 19E
then along the minor arc of a circle of 65.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 29 12 43S 153 50 52E
29 34 11S 153 46 14E, 30 09 54S 153 38 28E
30 40 20S 153 31 46E, 31 08 07S 153 18 23E
31 09 16S 153 05 46E, 31 04 15S 153 05 53E
then along the minor arc of a circle of 45.00NM radius centred on
30 19 10S 153 07 16E (CFS/DME) to 30 46 02S 152 25 23E
30 49 08S 152 20 33E, 30 41 52S 152 02 20E
30 28 21S 151 43 02E, 30 26 19S 151 40 09E
29 49 03S 151 12 35E, 29 19 33S 151 28 53E
28 43 14S 152 01 23E
VERTICAL LIMITS: 8500 - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/GWYDIR A

LATERAL LIMITS: 28 54 02S 152 35 42E,
then along the minor arc of a circle of 65.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 29 12 43S 153 50 52E
29 34 11S 153 46 14E,
then along the minor arc of a circle of 85.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 29 26 36S 152 47 31E
28 54 02S 152 35 42E
VERTICAL LIMITS: FL125 - FL155
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/GWYDIR B

LATERAL LIMITS: 28 43 14S 152 01 23E, 28 24 06S 152 18 19E
then along the minor arc of a circle of 65.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 54 02S 152 35 42E
29 26 36S 152 47 31E,
then along the minor arc of a circle of 85.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 29 34 11S 153 46 14E
30 09 54S 153 38 28E, 30 41 52S 152 02 20E
30 28 21S 151 43 02E, 30 26 19S 151 40 09E
29 49 03S 151 12 35E, 29 19 33S 151 28 53E
28 43 14S 152 01 23E
VERTICAL LIMITS: FL125 - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/HORN

LATERAL LIMITS: 11 36 30S 140 00 00E, 09 50 00S 139 40 00E
09 50 00S 141 00 00E, 09 37 00S 141 01 06E
09 15 42S 142 03 30E,
then along QLD/PNG border to 09 19 24S 142 48 18E
09 08 00S 143 52 30E, 09 24 00S 144 14 00E
09 56 34S 144 05 21E,
then along the Barrier Reef to 11 30 00S 144 01 36E
11 43 30S 144 04 20E, 12 00 00S 144 00 00E
12 00 05S 144 42 11E, 14 25 18S 145 05 11E
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 03 03S 143 16 41E
15 30 25S 141 43 29E, 15 00 00S 140 00 00E
14 00 00S 140 00 00E, 11 36 30S 140 00 00E
VERTICAL LIMITS: SFC - FL285
CONTROLLING AUTHORITY: Airservices Australia

YMMM/HUME A

LATERAL LIMITS: 34 57 44S 147 02 32E, 34 50 49S 147 47 58E
35 09 20S 148 36 19E,
then along the minor arc of a circle of 30.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 35 45 49S 149 01 48E
36 07 04S 148 14 00E, 36 03 06S 147 17 40E
then along the minor arc of a circle of 16.00NM radius centred on
36 04 05S 146 57 58E (AY/DME) to 35 54 01S 146 42 39E
35 36 33S 146 16 20E, 35 22 30S 146 31 36E
35 05 21S 146 55 21E, 34 57 44S 147 02 32E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/HUME B

LATERAL LIMITS: 34 50 49S 147 47 58E, 35 09 20S 148 36 19E
then along the minor arc of a circle of 30.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 35 45 49S 149 01 48E
36 07 04S 148 14 00E, 36 03 06S 147 17 40E
36 04 05S 146 57 58E, 35 54 01S 146 42 39E
35 36 33S 146 16 20E, 35 22 30S 146 31 36E
35 05 21S 146 55 21E, 34 57 44S 147 02 32E
34 50 49S 147 47 58E
VERTICAL LIMITS: 8500 - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/HUON

LATERAL LIMITS: 38 54 04S 143 25 39E, 38 54 04S 141 00 00E
42 21 00S 141 00 00E, 43 43 48S 145 51 48E
43 31 15S 149 21 30E, 43 51 03S 150 39 53E
43 00 00S 151 00 00E, 40 34 02S 150 38 39E
40 00 02S 148 37 58E,
then along the minor arc of a circle of 30.00NM radius centred on
40 05 29S 147 59 34E (YFLI/AD) to 39 37 48S 147 44 28E
38 55 15S 147 19 54E,
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 38 44 00S 146 27 40E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 54 04S 143 25 39E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/HUON A

LATERAL LIMITS: 38 54 04S 141 00 00E, 38 54 04S 143 25 39E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 39 18 49S 145 07 33E
39 47 36S 145 07 30E, 40 59 50S 145 34 16E
42 22 31S 146 30 07E, 42 40 01S 146 53 37E
42 46 40S 147 03 30E, 42 48 40S 147 18 48E
42 51 58S 147 21 33E, 42 57 18S 147 31 40E
43 18 49S 148 02 31E,
then along the minor arc of a circle of 36.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 43 01S 148 19 20E
42 47 26S 147 52 51E,
then along the minor arc of a circle of 16.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 36 38S 147 41 38E
42 06 26S 148 02 44E, 41 14 33S 148 38 07E
39 51 42S 147 24 53E, 38 44 00S 146 27 40E
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 38 55 15S 147 19 54E
39 37 48S 147 44 28E,
then along the minor arc of a circle of 30.00NM radius centred on
40 05 29S 147 59 34E (YFLI/AD) to 40 00 02S 148 37 58E
40 34 02S 150 38 39E, 43 00 00S 151 00 00E
43 51 03S 150 39 53E, 43 31 15S 149 21 30E
43 43 48S 145 51 48E, 42 21 00S 141 00 00E
38 54 04S 141 00 00E
VERTICAL LIMITS: FL180 - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/HUON OCEANIC

LATERAL LIMITS: 45 00 00S 141 00 00E, 42 21 00S 141 00 00E
43 43 48S 145 51 48E, 43 31 15S 149 21 30E
43 51 03S 150 39 53E, 44 33 57S 150 00 00E
45 00 00S 150 00 00E, 45 00 00S 141 00 00E
VERTICAL LIMITS: SFC - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/JARRAH LOW

LATERAL LIMITS: 33 54 47S 113 48 59E, 32 23 51S 115 29 38E
then along the major arc of a circle of 36.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 21 14S 116 05 19E
30 38 03S 116 15 43E,
then along the minor arc of a circle of 80.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 58 54S 117 31 35E
31 43 07S 120 00 00E, 31 37 31S 120 30 04E
32 18 57S 120 39 17E, 34 49 56S 120 17 22E
36 43 12S 120 00 00E, 36 25 00S 116 40 00E
35 10 52S 115 17 43E, 34 11 13S 114 13 59E
then along the minor arc of a circle of 160.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 33 54 47S 113 48 59E
VERTICAL LIMITS: SFC - Base of CTA
CONTROLLING AUTHORITY: Airservices Australia

YMMM/JERVIS A

LATERAL LIMITS: 34 38 50S 149 48 48E, 34 20 25S 150 24 50E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 41 07S 151 02 28E
34 43 56S 151 00 00E, 34 56 07S 150 59 57E
then along the minor arc of a circle of 23.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 35 19 57S 150 34 29E
35 44 49S 150 37 09E, 35 25 48S 149 38 33E
35 20 06S 149 48 12E,
then along the minor arc of a circle of 30.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 54 58S 149 36 46E
34 42 04S 149 51 19E,
then along the minor arc of a circle of 80.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 38 50S 149 48 48E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/JERVIS B

LATERAL LIMITS: 34 43 56S 151 00 00E, 34 41 07S 151 02 28E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 28 18S 151 49 23E
35 18 59S 152 55 50E,
then along the minor arc of a circle of 120.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 36 56 43S 150 45 03E
35 44 49S 150 37 09E, 35 19 57S 150 34 29E
then along the minor arc of a circle of 23.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 34 56 07S 150 59 57E
34 43 56S 151 00 00E
VERTICAL LIMITS: SFC - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/KALANNIE A

LATERAL LIMITS: 30 00 00S 112 43 56E, 27 30 00S 112 20 01E
27 40 44S 115 49 10E, 30 26 44S 115 50 10E
then along the minor arc of a circle of 90.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 30 57 36S 114 38 05E
30 00 13S 113 49 39E, 30 00 00S 112 43 56E
VERTICAL LIMITS: SFC - Base of CTA
CONTROLLING AUTHORITY: Airservices Australia

YMMM/KALANNIE B

LATERAL LIMITS: 30 26 44S 115 50 10E, 27 40 44S 115 49 10E
27 41 09S 116 00 00E, 28 00 14S 118 38 07E
28 08 53S 118 45 26E, 29 18 00S 120 00 00E
31 08 12S 117 12 07E,
then along the minor arc of a circle of 80.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 30 36 46S 115 50 14E
30 26 44S 115 50 10E
VERTICAL LIMITS: SFC - Base of CTA
CONTROLLING AUTHORITY: Airservices Australia

YBBB/KATHERINE A

LATERAL LIMITS: 12 26 03S 126 19 25E, 10 20 53S 129 11 21E
then along the minor arc of a circle of 160.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 09 48 39S 131 30 25E
10 01 27S 131 39 32E,
then along the minor arc of a circle of 150.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 14 10 15S 132 44 50E
then along the major arc of a circle of 30.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 14 59 01S 132 10 37E
then along the minor arc of a circle of 170.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 39 55S 128 01 11E
12 26 03S 126 19 25E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/KATHERINE B

LATERAL LIMITS: 15 15 20S 129 54 33E, 15 05 44S 129 54 21E
then along the minor arc of a circle of 170.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 14 59 01S 132 10 37E
then along the major arc of a circle of 30.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 14 10 15S 132 44 50E
then along the minor arc of a circle of 150.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 12 02S 133 27 00E

13 31 12S 134 44 11E,
then along the major arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 15 15 20S 129 54 33E
VERTICAL LIMITS: SFC - FL285
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/KEITH
LATERAL LIMITS: 28 00 14S 118 38 07E, 24 10 39S 120 40 02E
25 00 00S 121 12 00E, 26 34 44S 124 00 00E
29 18 00S 120 00 00E, 28 08 53S 118 45 26E
28 00 14S 118 38 07E
VERTICAL LIMITS: SFC - FL285
CONTROLLING AUTHORITY: Airservices Australia

YMMM/KELLA
LATERAL LIMITS: 31 08 12S 117 12 07E, 29 18 00S 120 00 00E
31 37 31S 120 30 04E, 31 43 07S 120 00 00E
31 58 54S 117 31 35E,
then along the minor arc of a circle of 80.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 08 12S 117 12 07E
VERTICAL LIMITS: SFC - Base of CTA
CONTROLLING AUTHORITY: Airservices Australia

YBBB/KENNEDY LOW A
LATERAL LIMITS: 16 47 15S 144 36 59E, 16 48 58S 145 07 09E
then along the major arc of a circle of 36.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 44 44S 146 21 36E
16 48 12S 146 52 20E,
then along the major arc of a circle of 65.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 47 15S 144 36 59E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/KENNEDY LOW B
LATERAL LIMITS: 16 41 46S 143 08 34E, 16 47 15S 144 36 59E
then along the major arc of a circle of 65.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 48 12S 146 52 20E
16 51 05S 147 18 30E,
then along the minor arc of a circle of 90.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 17 45 21S 146 59 48E
18 20 13S 145 29 46E, 18 34 39S 144 46 06E
18 17 48S 143 50 32E, 16 57 54S 143 08 22E
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 41 46S 143 08 34E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/KENNEDY LOW C
LATERAL LIMITS: 16 51 05S 147 18 30E, 16 51 30S 147 28 40E
17 31 28S 147 34 59E, 17 45 21S 146 59 48E
then along the minor arc of a circle of 90.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 51 05S 147 18 30E
VERTICAL LIMITS: SFC - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/KIMBERLEY B
LATERAL LIMITS: 14 08 13S 115 08 32E, 12 00 00S 114 30 00E
12 00 00S 123 20 00E, 12 26 03S 126 19 25E
17 37 11S 118 45 34E, 14 08 13S 115 08 32E
VERTICAL LIMITS: SFC - FL285
CONTROLLING AUTHORITY: Airservices Australia

YMMM/KINGSCOTE
LATERAL LIMITS: 35 30 01S 135 00 00E, 35 30 01S 136 49 20E
35 10 16S 137 50 47E,
then along the minor arc of a circle of 36.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 32 07S 138 22 30E
36 24 22S 138 05 12E, 36 42 46S 138 05 12E
36 10 04S 135 00 00E, 35 30 01S 135 00 00E
VERTICAL LIMITS: SFC - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/LEEMAN LOW
LATERAL LIMITS: 31 15 39S 112 56 28E, 30 00 00S 112 43 56E
30 00 13S 113 49 39E, 30 57 36S 114 38 05E
then along the minor arc of a circle of 90.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 30 26 44S 115 50 10E
30 36 46S 115 50 14E,
then along the minor arc of a circle of 80.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 30 38 03S 116 15 43E
31 21 14S 116 05 19E,
then along the minor arc of a circle of 36.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 23 51S 115 29 38E
33 54 47S 113 48 59E,
then along the minor arc of a circle of 160.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 15 39S 112 56 28E
VERTICAL LIMITS: SFC - Base of CTA
CONTROLLING AUTHORITY: Airservices Australia

YMMM/LODDON A
LATERAL LIMITS: 36 59 41S 144 24 23E,
then along the minor arc of a circle of 45.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 54 35S 144 52 52E
37 09 36S 144 52 04E,
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 12 17S 144 34 54E
36 59 41S 144 24 23E
VERTICAL LIMITS: SFC - 7500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/LODDON B
LATERAL LIMITS: 38 01 46S 144 01 04E,
then along the minor arc of a circle of 45.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 59 41S 144 24 23E
37 12 17S 144 34 54E,
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 54 04S 144 17 22E
38 01 46S 144 01 04E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/LODDON C
LATERAL LIMITS: 38 29 36S 143 00 48E,
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 08 13S 145 41 28E
36 51 13S 144 53 03E, 36 54 35S 144 52 52E
then along the minor arc of a circle of 45.00NM radius centred on

37 39 36S 144 50 32E (ML/DME) to 38 01 46S 144 01 04E
38 29 36S 143 00 48E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/LODDON D
LATERAL LIMITS: 38 29 36S 143 00 48E, 37 54 04S 144 17 22E
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 00 33S 144 23 23E
38 08 36S 144 21 49E, 38 46 14S 143 15 50E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 29 36S 143 00 48E
VERTICAL LIMITS: SFC - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/LYON
LATERAL LIMITS: 26 15 00S 112 08 35E, 23 30 00S 111 44 17E
23 30 00S 114 45 00E, 23 30 00S 116 00 00E
25 00 00S 116 00 00E, 25 00 00S 116 32 41E
27 43 20S 116 16 48E, 27 41 09S 116 00 00E
27 30 00S 112 20 01E, 26 15 00S 112 08 35E
VERTICAL LIMITS: SFC - FL285
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MALLEE A
LATERAL LIMITS: 33 20 34S 140 34 10E, 33 00 00S 143 31 00E
35 05 00S 143 26 12E, 35 05 00S 141 21 38E
then along the minor arc of a circle of 140.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 20 34S 140 34 10E
VERTICAL LIMITS: SFC - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MALLEE B
LATERAL LIMITS: 33 00 00S 143 31 00E, 33 00 00S 144 00 00E
33 08 00S 144 42 00E, 33 37 00S 145 29 24E
34 21 00S 145 25 46E, 34 51 56S 145 52 00E
35 04 06S 146 56 32E, 35 05 21S 146 55 21E
35 22 30S 146 31 36E, 36 08 13S 145 41 28E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 01 52S 144 23 25E
35 05 00S 143 26 12E, 33 00 00S 143 31 00E
VERTICAL LIMITS: SFC - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MALLEE C
LATERAL LIMITS: 35 05 00S 141 21 38E, 35 05 00S 143 26 12E
36 01 52S 144 23 25E,
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 54 04S 143 25 39E
38 54 04S 141 00 00E, 38 54 04S 139 40 00E
36 40 00S 139 40 00E, 36 28 41S 141 00 00E
36 06 58S 141 00 00E,
then along the minor arc of a circle of 140.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 05 00S 141 21 38E
VERTICAL LIMITS: SFC - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MALLEE D
LATERAL LIMITS: 33 38 22S 139 46 30E, 33 01 22S 140 07 05E
then along the minor arc of a circle of 140.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 36 06 58S 141 00 00E
36 28 41S 141 00 00E, 36 40 00S 139 40 00E
36 57 30S 139 40 00E, 36 42 46S 138 05 12E
36 34 40S 138 05 12E,
then along the minor arc of a circle of 100.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 38 22S 139 46 30E
VERTICAL LIMITS: SFC - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE TMA B
LATERAL LIMITS: 38 08 36S 144 21 49E, 38 00 33S 144 23 23E
then along the major arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 55 33S 145 22 36E
38 05 05S 145 29 30E,
then along the minor arc of a circle of 40.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 18 53S 144 40 44E
38 09 07S 144 33 38E,
then along the minor arc of a circle of 8.00NM radius centred on
38 02 22S 144 28 10E (YMAV/AD) to 38 08 36S 144 21 49E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MENZIES
LATERAL LIMITS: 29 18 00S 120 00 00E, 26 34 44S 124 00 00E
28 03 46S 124 13 56E, 28 35 45S 124 49 47E
29 00 00S 125 00 00E, 29 30 00S 125 00 00E
30 51 00S 123 37 37E, 32 00 00S 123 50 18E
32 00 00S 120 35 03E, 30 11 36S 120 11 23E
29 18 00S 120 00 00E
VERTICAL LIMITS: SFC - FL285
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MITCHELL A
LATERAL LIMITS: 37 55 33S 145 22 36E,
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 47 08S 145 27 08E
37 54 48S 146 07 18E,
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 38 44 00S 146 27 40E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 39 18 49S 145 07 33E
39 08 42S 145 07 34E, 38 30 58S 145 07 38E
38 19 34S 144 53 53E,
then along the minor arc of a circle of 40.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 05 05S 145 29 30E
37 55 33S 145 22 36E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MITCHELL B
LATERAL LIMITS: 38 46 14S 143 15 50E, 38 08 36S 144 21 49E
38 13 43S 144 20 49E,
then along the minor arc of a circle of 12.00NM radius centred on
38 02 57S 144 27 33E (AV/DME) to 38 12 47S 144 36 17E
38 18 53S 144 40 44E,
then along the minor arc of a circle of 40.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 19 34S 144 53 53E
38 30 58S 145 07 38E, 39 08 42S 145 07 34E
39 18 49S 145 07 33E,

then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 46 14S 143 15 50E
VERTICAL LIMITS: SFC - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MITCHELL C
LATERAL LIMITS: 38 08 36S 144 21 49E, 38 00 33S 144 23 23E
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 08 38S 144 40 49E
38 19 34S 144 53 53E,
then along the minor arc of a circle of 40.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 18 53S 144 40 44E
38 09 07S 144 33 38E,
then along the minor arc of a circle of 8.00NM radius centred on
38 02 22S 144 28 10E (YMAV/AD) to 38 08 36S 144 21 49E
VERTICAL LIMITS: FL180 - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MITCHELL D
LATERAL LIMITS: 38 13 43S 144 20 49E, 38 08 36S 144 21 49E
then along the minor arc of a circle of 8.00NM radius centred on
38 02 22S 144 28 10E (YMAV/AD) to 38 09 07S 144 33 38E
38 12 47S 144 36 17E,
then along the minor arc of a circle of 12.00NM radius centred on
38 02 57S 144 27 33E (AV/DME) to 38 13 43S 144 20 49E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MITCHELL E
LATERAL LIMITS: 38 13 43S 144 20 49E, 38 08 36S 144 21 49E
then along the minor arc of a circle of 8.00NM radius centred on
38 02 22S 144 28 10E (YMAV/AD) to 38 09 07S 144 33 38E
38 12 47S 144 36 17E,
then along the minor arc of a circle of 12.00NM radius centred on
38 02 57S 144 27 33E (AV/DME) to 38 13 43S 144 20 49E
VERTICAL LIMITS: 4500 - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MYALL A
LATERAL LIMITS: 31 26 47S 151 33 04E, 30 41 52S 152 02 20E
30 49 08S 152 20 33E, 30 40 40S 152 33 47E
then along the minor arc of a circle of 36.00NM radius centred on
30 19 10S 153 07 16E (CFS/DME) to 30 55 14S 153 06 05E
31 09 16S 153 05 46E, 31 08 07S 153 18 23E
32 53 01S 152 26 31E, 33 30 06S 151 54 31E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 14 18S 150 52 08E
32 27 28S 151 05 59E, 31 26 47S 151 33 04E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/MYALL B
LATERAL LIMITS: 31 26 47S 151 33 04E, 30 41 52S 152 02 20E
30 49 08S 152 20 33E, 30 46 02S 152 25 23E
then along the minor arc of a circle of 45.00NM radius centred on
30 19 10S 153 07 16E (CFS/DME) to 31 04 15S 153 05 53E
31 09 16S 153 05 46E, 31 08 07S 153 18 23E
32 53 01S 152 26 31E, 32 50 05S 152 03 59E
32 40 49S 151 34 15E, 32 36 02S 151 23 51E
32 27 28S 151 05 59E, 31 26 47S 151 33 04E
VERTICAL LIMITS: 8500 - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/NAMBOUR
LATERAL LIMITS: 27 05 15S 152 15 28E, 26 45 10S 152 08 15E
then along the minor arc of a circle of 65.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 36 02S 154 00 00E
26 37 23S 154 00 00E, 27 01 07S 153 32 38E
then along the minor arc of a circle of 30.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 12 00S 152 36 35E
27 05 15S 152 15 28E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/NEWELL A
LATERAL LIMITS: 33 18 49S 150 22 53E,
then along the minor arc of a circle of 55.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 06 18S 150 43 56E
33 16 11S 150 46 53E,
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 25 34S 150 31 41E
33 18 49S 150 22 53E
VERTICAL LIMITS: SFC - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/NEWELL B
LATERAL LIMITS: 33 08 39S 150 09 42E,
then along the minor arc of a circle of 70.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 32 51 32S 150 39 33E
33 06 18S 150 43 56E,
then along the minor arc of a circle of 55.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 18 49S 150 22 53E
33 08 39S 150 09 42E
VERTICAL LIMITS: SFC - FL155
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/NEWELL C
LATERAL LIMITS: 32 33 39S 149 35 37E, 32 09 51S 150 31 51E
32 31 57S 150 33 47E, 32 51 32S 150 39 33E
then along the minor arc of a circle of 70.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 08 39S 150 09 42E
32 37 32S 149 29 53E, 32 33 39S 149 35 37E
VERTICAL LIMITS: SFC - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/NEWELL D
LATERAL LIMITS: 29 00 00S 149 00 00E, 28 29 54S 151 16 32E
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 58 42S 151 47 37E
29 19 33S 151 28 53E, 30 25 04S 150 52 26E
30 48 57S 150 49 46E,
then along the minor arc of a circle of 15.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 18 48S 150 46 50E
31 39 33S 150 42 42E, 31 50 00S 150 30 07E
32 09 51S 150 31 51E, 32 33 39S 149 35 37E
32 37 32S 149 29 53E, 32 21 54S 149 10 09E

32 05 40S 148 49 51E, 29 20 27S 146 46 41E
29 08 07S 147 42 57E, 29 00 00S 149 00 00E
VERTICAL LIMITS: SFC - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/NEWMAN
LATERAL LIMITS: 21 40 00S 120 18 00E, 19 39 17S 121 07 44E
20 03 18S 121 40 22E, 21 31 19S 124 33 04E
23 23 49S 126 03 32E, 26 34 44S 124 00 00E
25 00 00S 121 12 00E, 24 10 39S 120 40 02E
25 00 00S 120 14 33E, 25 00 00S 117 50 56E
23 15 14S 118 23 12E, 22 55 12S 118 30 00E
22 00 00S 118 30 00E, 21 40 00S 120 18 00E
VERTICAL LIMITS: SFC - FL285
CONTROLLING AUTHORITY: Airservices Australia

YMMM/NORSE
LATERAL LIMITS: 32 18 57S 120 39 17E, 32 00 00S 120 35 03E
32 00 00S 123 50 18E, 32 51 36S 124 00 00E
35 04 27S 125 00 10E, 37 10 38S 125 04 54E
36 43 12S 120 00 00E, 34 49 56S 120 17 22E
32 18 57S 120 39 17E
VERTICAL LIMITS: SFC - FL285
CONTROLLING AUTHORITY: Airservices Australia

YMMM/NULLARBOR C
LATERAL LIMITS: 33 39 49S 134 16 47E, 32 59 42S 135 08 00E
34 08 11S 135 20 18E, 34 46 18S 135 00 00E
33 39 49S 134 16 47E
VERTICAL LIMITS: FL245 - FL285
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/OLW
LATERAL LIMITS: 23 30 00S 111 44 17E, 21 50 00S 111 30 00E
19 30 36S 113 31 23E, 18 20 55S 116 48 24E
19 38 39S 117 27 59E, 20 36 15S 117 39 21E
22 04 45S 117 45 00E, 22 15 00S 116 00 00E
23 30 00S 116 00 00E, 23 30 00S 114 45 00E
23 30 00S 111 44 17E
VERTICAL LIMITS: SFC - FL285
CONTROLLING AUTHORITY: Airservices Australia

YMMM/OLYMPIC
LATERAL LIMITS: 30 51 20S 132 00 00E, 29 43 37S 133 18 18E
29 05 21S 136 39 00E, 30 14 22S 138 00 00E
31 35 00S 137 50 00E, 31 35 00S 135 25 00E
32 25 45S 135 02 01E, 32 59 42S 135 08 00E
33 39 49S 134 16 47E, 33 00 00S 132 00 00E
30 51 20S 132 00 00E
VERTICAL LIMITS: SFC - FL285
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/OPAL
LATERAL LIMITS: 28 00 00S 138 00 00E, 26 13 31S 138 23 24E
28 01 21S 141 37 47E, 29 00 00S 143 30 00E
29 53 53S 142 40 54E, 31 00 00S 142 48 44E
31 47 54S 143 31 00E, 33 00 00S 143 31 00E
33 20 34S 140 34 10E,
then along the minor arc of a circle of 140.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 32 52 09S 139 48 32E
32 18 05S 139 26 55E, 31 35 00S 139 00 00E
31 35 00S 137 50 00E, 30 14 22S 138 00 00E
29 05 21S 136 39 00E, 29 00 00S 136 49 51E
28 00 00S 138 00 00E
VERTICAL LIMITS: SFC - FL285
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/OVENS A
LATERAL LIMITS: 36 30 45S 145 41 37E, 36 12 07S 145 51 12E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 17 30S 146 53 03E
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 37 26 42S 146 29 49E
then along the minor arc of a circle of 80.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 30 45S 145 41 37E
VERTICAL LIMITS: SFC - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/OVENS B
LATERAL LIMITS: 35 36 33S 146 16 20E, 35 54 01S 146 42 39E
then along the minor arc of a circle of 16.00NM radius centred on
36 04 05S 146 57 58E (AY/DME) to 36 03 06S 147 17 40E
36 07 04S 148 14 00E, 37 22 37S 147 40 33E
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 37 17 30S 146 53 03E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 12 07S 145 51 12E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 08 13S 145 41 28E
35 36 33S 146 16 20E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/OVENS C
LATERAL LIMITS: 36 24 04S 145 23 46E, 36 08 13S 145 41 28E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 12 07S 145 51 12E
36 30 45S 145 41 37E,
then along the minor arc of a circle of 80.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 24 04S 145 23 46E
VERTICAL LIMITS: 8500 - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/OVENS D
LATERAL LIMITS: 35 36 33S 146 16 20E, 35 54 01S 146 42 39E
36 04 05S 146 57 58E, 36 03 06S 147 17 40E
36 07 04S 148 14 00E, 37 22 37S 147 40 33E
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 37 17 30S 146 53 03E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 12 07S 145 51 12E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 08 13S 145 41 28E
35 36 33S 146 16 20E
VERTICAL LIMITS: 8500 - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/PARABURDOO
LATERAL LIMITS: 25 00 00S 116 00 00E, 22 15 00S 116 00 00E
22 00 00S 118 30 00E, 22 55 12S 118 30 00E
23 15 14S 118 23 12E, 25 00 00S 117 50 56E
25 00 00S 116 00 00E
VERTICAL LIMITS: SFC - FL285
CONTROLLING AUTHORITY: Airservices Australia

YMMM/PERTH APPROACH
LATERAL LIMITS: A circle of 36.00NM radius centred on 31 56 42S 115 57 34E (PH/DME)
VERTICAL LIMITS: Base of CTA - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/PLUTONIC
LATERAL LIMITS: 27 43 20S 116 16 48E, 25 00 00S 116 32 41E
25 00 00S 120 15 00E, 28 00 14S 118 38 07E
27 43 20S 116 16 48E
VERTICAL LIMITS: SFC - FL285
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/POT
LATERAL LIMITS: 19 38 39S 117 27 59E, 18 20 55S 116 48 24E
17 37 11S 118 45 34E, 19 00 00S 120 15 00E
19 39 17S 121 07 44E, 21 40 00S 120 18 00E
22 00 00S 118 30 00E, 22 04 45S 117 45 00E
20 36 15S 117 39 21E, 19 38 39S 117 27 59E
VERTICAL LIMITS: SFC - FL285
CONTROLLING AUTHORITY: Airservices Australia

YBBB/PRAWN
LATERAL LIMITS: 15 42 12S 137 12 54E, 15 08 36S 138 20 42E
14 56 29S 138 52 36E, 15 00 00S 140 00 00E
15 30 25S 141 43 29E, 16 03 03S 143 16 41E
then along the minor arc of a circle of 150.00NM radius centred on 16 51 01S 145 44 38E (CS/DME) to 16 57 54S 143 08 22E
18 17 48S 143 50 32E, 19 05 00S 142 50 00E
20 01 56S 141 07 40E,
then along the minor arc of a circle of 100.00NM radius centred on 20 39 53S 139 29 09E (MA/DME) to 19 22 34S 140 36 52E
19 05 23S 140 05 10E, 19 01 14S 137 40 20E
17 20 18S 137 09 18E, 15 42 12S 137 12 54E
VERTICAL LIMITS: SFC - FL285
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/SANDON A
LATERAL LIMITS: 32 31 57S 150 33 47E, 33 16 11S 150 46 53E
then along the minor arc of a circle of 45.00NM radius centred on 33 56 34S 151 10 51E (SY/DME) to 33 14 18S 150 52 08E
32 27 28S 151 05 59E, 32 26 34S 151 04 08E
then along the minor arc of a circle of 90.00NM radius centred on 33 56 34S 151 10 51E (SY/DME) to 32 31 57S 150 33 47E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/SANDON B
LATERAL LIMITS: 29 49 03S 151 12 35E, 30 26 19S 151 40 09E
30 28 21S 151 43 02E, 30 41 52S 152 02 20E
31 26 47S 151 33 04E, 32 27 28S 151 05 59E
32 26 34S 151 04 08E,
then along the minor arc of a circle of 90.00NM radius centred on 33 56 34S 151 10 51E (SY/DME) to 32 31 57S 150 33 47E
31 50 00S 150 30 07E, 31 39 33S 150 42 42E
31 18 48S 150 46 50E,
then along the minor arc of a circle of 15.00NM radius centred on 31 03 58S 150 49 48E (TW/DME) to 30 48 57S 150 49 46E
30 25 04S 150 52 26E, 29 49 03S 151 12 35E
VERTICAL LIMITS: SFC - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/SNOWY A
LATERAL LIMITS: 37 26 42S 146 29 49E,
then along the minor arc of a circle of 50.00NM radius centred on 38 05 56S 147 08 58E (YMES/AD) to 38 27 32S 146 11 41E
then along the minor arc of a circle of 80.00NM radius centred on 37 39 36S 144 50 32E (ML/DME) to 37 26 42S 146 29 49E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/SNOWY B
LATERAL LIMITS: 37 26 42S 146 29 49E,
then along the minor arc of a circle of 50.00NM radius centred on 38 05 56S 147 08 58E (YMES/AD) to 37 17 30S 146 53 03E
then along the minor arc of a circle of 100.00NM radius centred on 37 39 36S 144 50 32E (ML/DME) to 38 44 00S 146 27 40E
then along the minor arc of a circle of 50.00NM radius centred on 38 05 56S 147 08 58E (YMES/AD) to 38 27 32S 146 11 41E
then along the minor arc of a circle of 80.00NM radius centred on 37 39 36S 144 50 32E (ML/DME) to 37 26 42S 146 29 49E
VERTICAL LIMITS: SFC - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/SNOWY C
LATERAL LIMITS: 37 17 30S 146 53 03E,
then along the minor arc of a circle of 50.00NM radius centred on 38 05 56S 147 08 58E (YMES/AD) to 37 22 37S 147 40 33E
then along the minor arc of a circle of 50.00NM radius centred on 38 05 56S 147 08 58E (YMES/AD) to 38 12 41S 148 11 47E
then along the minor arc of a circle of 162.60NM radius centred on 37 39 36S 144 50 32E (ML/DME) to 39 19 33S 147 33 51E
38 55 15S 147 19 54E,
then along the minor arc of a circle of 50.00NM radius centred on 38 05 56S 147 08 58E (YMES/AD) to 38 44 00S 146 27 40E
then along the minor arc of a circle of 100.00NM radius centred on 37 39 36S 144 50 32E (ML/DME) to 37 17 30S 146 53 03E
VERTICAL LIMITS: SFC - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/SNOWY D
LATERAL LIMITS: 35 45 49S 149 01 48E, 35 33 27S 149 25 31E
35 25 48S 149 38 33E, 35 44 49S 150 37 09E
36 36 46S 150 42 49E,
then along the minor arc of a circle of 100.00NM radius centred on 34 57 00S 150 32 00E (NWA/TAC) to 35 51 25S 148 49 18E
35 45 49S 149 01 48E
VERTICAL LIMITS: SFC - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/SNOWY E

LATERAL LIMITS: 36 07 04S 148 14 00E, 35 51 25S 148 49 18E
then along the minor arc of a circle of 100.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 36 36 46S 150 42 49E
36 56 43S 150 45 03E, 38 00 00S 150 23 12E
38 11 19S 150 19 14E, 40 00 00S 150 33 54E
40 34 02S 150 38 39E, 40 00 02S 148 37 58E
then along the minor arc of a circle of 30.00NM radius centred on
40 05 29S 147 59 34E (YFLI/AD) to 39 37 48S 147 44 28E
39 19 33S 147 33 51E,
then along the minor arc of a circle of 162.60NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 12 41S 148 11 47E
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 37 22 37S 147 40 33E
36 07 04S 148 14 00E
VERTICAL LIMITS: SFC - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/SPENCER

LATERAL LIMITS: 32 25 45S 135 02 01E, 31 35 00S 135 25 00E
31 35 00S 137 50 00E, 31 35 00S 139 00 00E
32 52 09S 139 48 32E,
then along the minor arc of a circle of 140.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 01 22S 140 07 05E
33 38 22S 139 46 30E,
then along the minor arc of a circle of 100.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 18 46S 138 06 46E
33 29 20S 138 05 18E,
then along the minor arc of a circle of 90.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 30 01S 136 49 20E
35 30 01S 135 00 00E, 34 46 18S 135 00 00E
33 39 49S 134 16 47E, 32 59 42S 135 08 00E
32 25 45S 135 02 01E
VERTICAL LIMITS: SFC - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/SPENCER A

LATERAL LIMITS: 31 35 00S 135 25 00E, 31 35 00S 137 50 00E
31 35 00S 139 00 00E, 32 52 09S 139 48 32E
32 09 50S 137 26 18E,
then along the minor arc of a circle of 20.00NM radius centred on
32 28 40S 137 18 14E (OJJAY/WPT) to 32 10 04S 137 09 27E
32 38 24S 135 44 39E, 32 59 42S 135 08 00E
32 25 45S 135 02 01E, 31 35 00S 135 25 00E
VERTICAL LIMITS: FL245 - FL285
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/SPENCER B

LATERAL LIMITS: 35 10 16S 137 50 47E, 35 30 01S 136 49 20E
then along the minor arc of a circle of 90.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 46 43S 139 39 50E
34 17 16S 139 08 38E,
then along the minor arc of a circle of 50.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 34 07 56S 138 18 15E
34 20 11S 138 22 31E, 34 21 27S 138 22 59E
then along the minor arc of a circle of 36.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 10 16S 137 50 47E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/SPENCER C

LATERAL LIMITS: 33 29 20S 138 05 18E, 33 18 46S 138 06 46E
then along the minor arc of a circle of 100.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 38 22S 139 46 30E
33 42 20S 139 44 17E, 33 46 43S 139 39 50E
then along the minor arc of a circle of 90.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 29 20S 138 05 18E
VERTICAL LIMITS: SFC - 9500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/SUNSHINE

LATERAL LIMITS: 27 12 00S 152 36 35E,
then along the major arc of a circle of 30.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 35 19S 153 38 35E
27 44 36S 154 00 00E, 28 24 39S 154 00 00E
then along the minor arc of a circle of 30.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 28 27S 153 03 16E
28 26 13S 152 36 35E,
then along the minor arc of a circle of 70.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 19 11S 152 22 38E
27 53 24S 152 45 11E, 27 47 06S 152 49 49E
27 44 13S 152 51 55E, 27 42 34S 152 52 59E
27 13 25S 152 41 03E, 27 12 00S 152 36 35E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/SYDNEY RADAR NORTH

LATERAL LIMITS: 33 31 39S 150 59 47E, 33 14 17S 150 52 09E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 28 18S 151 49 23E
34 11 14S 151 27 15E, 34 05 04S 151 10 11E
then along THE COAST 97 to 34 04 37S 151 10 02E
34 04 19S 151 09 20E,
then along THE COAST 9 to 34 02 16S 151 11 32E
then along THE COAST 8 to 34 01 10S 151 13 46E
34 00 10S 151 14 54E, 33 58 07S 151 15 57E
33 53 34S 151 17 06E, 33 53 05S 151 17 03E
then along THE COAST 7 to 33 51 34S 151 17 05E
then along THE COAST 61 to 33 50 06S 151 16 52E
33 49 50S 151 17 05E,
then along the minor arc of a circle of 8.50NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 49 26S 151 05 17E
33 45 42S 151 04 42E, 33 41 05S 150 59 53E
then along the minor arc of a circle of 11.00NM radius centred on
33 36 27S 150 47 56E (RIC/TAC) to 33 31 39S 150 59 47E
VERTICAL LIMITS: SFC - FL280
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/SYDNEY RADAR SOUTH

LATERAL LIMITS: 33 14 17S 150 52 09E, 33 31 39S 150 59 47E
then along the minor arc of a circle of 11.00NM radius centred on
33 36 27S 150 47 56E (RIC/TAC) to 33 41 05S 150 59 53E
33 45 42S 151 04 42E, 33 49 26S 151 05 17E
then along the minor arc of a circle of 8.50NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 49 50S 151 17 05E
33 50 06S 151 16 52E,
then along THE COAST 61 to 33 51 34S 151 17 05E
then along THE COAST 7 to 33 53 05S 151 17 03E
33 53 34S 151 17 06E, 33 58 07S 151 15 57E
34 00 10S 151 14 54E, 34 01 10S 151 13 46E
then along THE COAST 8 to 34 02 16S 151 11 32E
then along THE COAST 9 to 34 04 19S 151 09 20E
34 04 37S 151 10 02E,
then along THE COAST 97 to 34 05 04S 151 10 11E

34 11 14S 151 27 15E, 34 28 18S 151 49 23E
then along the major arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 14 17S 150 52 09E
VERTICAL LIMITS: SFC - FL280
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/TABLETOP LOW A

LATERAL LIMITS: 18 20 13S 145 29 46E, 17 45 21S 146 59 48E
17 31 28S 147 34 59E, 18 00 30S 147 39 36E
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 18 13 56S 147 55 42E
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 18 53 25S 147 16 14E
then along the major arc of a circle of 36.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 19 44 38S 146 24 12E
20 43 43S 147 01 35E,
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 18 20 13S 145 29 46E
VERTICAL LIMITS: SFC - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/TABLETOP LOW B

LATERAL LIMITS: 16 51 30S 147 28 40E, 16 58 17S 151 04 31E
18 40 27S 151 00 35E, 19 16 13S 151 10 44E
19 21 25S 148 42 02E, 18 26 56S 148 06 03E
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 18 13 56S 147 55 42E
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 18 00 30S 147 39 36E
16 51 30S 147 28 40E
VERTICAL LIMITS: SFC - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/TABLETOP LOW C

LATERAL LIMITS: 18 53 25S 147 16 14E,
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 18 13 56S 147 55 42E
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 18 26 56S 148 06 03E
19 21 25S 148 42 02E, 19 22 01S 148 20 20E
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 20 43 43S 147 01 35E
19 44 38S 146 24 12E,
then along the minor arc of a circle of 36.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 18 53 25S 147 16 14E
VERTICAL LIMITS: SFC - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/TEMORA A

LATERAL LIMITS: 32 47 00S 145 53 42E, 32 51 02S 146 47 12E
32 56 07S 148 03 26E, 33 17 56S 147 48 50E
34 29 18S 148 09 16E,
then along the minor arc of a circle of 70.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 50 04S 147 52 58E
34 57 44S 147 02 32E, 35 04 06S 146 56 32E
34 51 56S 145 52 00E, 34 21 00S 145 25 46E
33 37 00S 145 29 24E, 33 11 36S 145 31 23E
32 47 00S 145 53 42E
VERTICAL LIMITS: SFC - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/TEMORA B

LATERAL LIMITS: 33 11 36S 145 31 23E, 32 57 11S 146 15 43E
33 17 56S 147 48 50E, 34 29 18S 148 09 16E
then along the minor arc of a circle of 70.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 50 04S 147 52 58E
34 57 44S 147 02 32E, 35 04 06S 146 56 32E
34 51 56S 145 52 00E, 34 21 00S 145 25 46E
33 37 00S 145 29 24E, 33 11 36S 145 31 23E
VERTICAL LIMITS: FL180 - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/TODD

LATERAL LIMITS: 24 29 09S 128 06 49E, 23 19 20S 127 08 08E
23 13 13S 128 27 49E, 21 12 09S 131 50 24E
21 29 59S 136 19 44E, 21 51 32S 136 22 25E
22 17 51S 136 38 07E, 26 13 31S 138 23 24E
28 00 00S 138 00 00E, 29 00 00S 136 49 51E
29 05 21S 136 39 00E, 29 43 37S 133 18 18E
28 09 51S 131 36 52E, 28 23 26S 130 18 37E
26 07 08S 128 06 49E, 24 29 09S 128 06 49E
VERTICAL LIMITS: SFC - FL285
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/TOWNSVILLE APPROACH

LATERAL LIMITS: A circle of 36.00NM radius centred on
19 14 39S 146 45 30E (TL/DME)
VERTICAL LIMITS: SFC - FL180
HOURS OF ACTIVITY: JO 1930-1200
JF 2000-1200
CONTROLLING AUTHORITY: Dept of Defence - RAAF

YBBB-YMMM/WARBURTON LOW

LATERAL LIMITS: 26 34 44S 124 00 00E, 23 23 49S 126 03 32E
23 19 20S 127 08 08E, 24 29 09S 128 06 49E
26 07 08S 128 06 49E, 28 23 26S 130 18 37E
28 47 01S 127 50 00E, 29 30 00S 125 00 00E
29 00 00S 125 00 00E, 28 35 45S 124 49 47E
28 03 46S 124 13 56E, 26 34 44S 124 00 00E
VERTICAL LIMITS: SFC - FL285
CONTROLLING AUTHORITY: Airservices Australia

YBBB/WHITSUNDAY

LATERAL LIMITS: 20 37 58S 146 08 32E,
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 19 22 01S 148 20 20E
19 16 13S 151 10 44E, 21 39 12S 151 52 08E
22 06 00S 150 45 00E, 22 06 00S 150 30 00E
22 12 34S 150 25 27E, 22 15 00S 150 20 00E
22 17 00S 150 12 00E, 22 14 32S 150 00 42E
22 21 30S 149 51 54E, 22 28 48S 149 35 00E
22 48 42S 149 09 24E, 22 52 45S 148 17 40E
22 33 00S 147 44 50E, 21 43 30S 146 06 56E
21 26 57S 145 46 28E, 20 37 58S 146 08 32E
VERTICAL LIMITS: SFC - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/YASS

LATERAL LIMITS: 34 17 02S 148 27 30E, 33 59 41S 149 34 44E
then along the minor arc of a circle of 80.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 50 51S 149 34 59E

33 48 38S 149 47 19E, 33 47 37S 149 52 55E
33 49 08S 150 05 23E, 33 50 34S 150 17 16E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 20 25S 150 24 50E
34 38 50S 149 48 48E,
then along the minor arc of a circle of 80.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 42 04S 149 51 19E
34 54 58S 149 36 46E,
then along the minor arc of a circle of 30.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 52 00S 149 32 14E
34 52 32S 149 06 00E, 34 56 18S 148 59 22E
35 09 20S 148 36 19E, 34 50 49S 147 47 58E
34 50 04S 147 52 58E,
then along the minor arc of a circle of 70.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 17 02S 148 27 30E

VERTICAL LIMITS: SFC - 8500

HOURS OF ACTIVITY: H24

CONTROLLING AUTHORITY: Airservices Australia

SECTION 10 – ATC SECTORS HIGH/LOW

YBBB-YMMM/ALICE SPRINGS

LATERAL LIMITS: 24 29 09S 128 06 49E, 23 19 20S 127 08 08E
23 13 13S 128 27 49E, 21 12 09S 131 50 24E
21 29 59S 136 19 44E, 21 51 32S 136 22 25E
22 17 51S 136 38 07E, 26 13 31S 138 23 24E
28 00 00S 138 00 00E, 29 00 00S 136 49 51E
29 05 21S 136 39 00E, 29 43 37S 133 18 18E
28 09 51S 131 36 52E, 28 23 26S 130 18 37E
26 07 08S 128 06 49E, 24 29 09S 128 06 49E
VERTICAL LIMITS: FL285 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/ARAFURA

LATERAL LIMITS: 07 23 38S 133 40 00E, 07 00 00S 135 00 00E
07 36 54S 136 00 00E, 09 50 00S 139 40 00E
09 50 00S 141 00 00E, 09 37 00S 141 01 06E
09 15 42S 142 03 30E,
then along QLD/PNG border to 09 19 24S 142 48 18E
09 08 00S 143 52 30E, 09 24 00S 144 14 00E
09 56 34S 144 05 21E,
then along the Barrier Reef to 11 30 00S 144 01 36E
11 43 30S 144 04 20E, 12 00 00S 144 00 00E
12 00 00S 148 34 24E, 16 09 59S 151 06 21E
16 58 17S 151 04 31E, 16 51 30S 147 28 40E
14 44 19S 147 08 50E,
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 03 03S 143 16 41E
15 30 25S 141 43 29E, 15 00 00S 140 00 00E
14 56 29S 138 52 36E, 15 08 36S 138 20 42E
15 42 12S 137 12 54E, 16 35 57S 137 10 56E
15 46 48S 136 30 51E, 14 42 16S 134 56 58E
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 13 56 01S 134 52 50E
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 13 31 12S 134 44 11E
12 12 02S 133 27 00E,
then along the minor arc of a circle of 150.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 11 27 44S 133 15 45E
then along the minor arc of a circle of 150.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 10 01 27S 131 39 32E
09 48 39S 131 30 25E, 08 19 24S 130 27 16E
07 23 38S 133 40 00E
VERTICAL LIMITS: FL285 - FL600
CONTROLLING AUTHORITY: Airservices Australia

YBBB/ARAFURA B

LATERAL LIMITS: 07 23 38S 133 40 00E, 07 00 00S 135 00 00E
07 36 54S 136 00 00E, 09 50 00S 139 40 00E
09 50 00S 131 35 58E,
then along the minor arc of a circle of 160.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 09 48 39S 131 30 25E
08 19 24S 130 27 16E, 07 23 38S 133 40 00E
VERTICAL LIMITS: SFC - FL285
CONTROLLING AUTHORITY: Airservices Australia

YBBB/ARMIDALE

LATERAL LIMITS: 31 38 06S 150 29 05E, 30 27 43S 151 42 08E
30 41 52S 152 02 20E, 32 36 02S 151 23 51E
32 26 34S 151 04 08E,
then along the minor arc of a circle of 90.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 32 31 57S 150 33 47E
32 09 51S 150 31 51E, 31 38 06S 150 29 05E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/AUGUSTA HIGH A

LATERAL LIMITS: 35 10 16S 137 50 47E, 35 30 01S 136 49 20E
then along the minor arc of a circle of 90.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 46 43S 139 39 50E
34 17 16S 139 08 38E,
then along the minor arc of a circle of 50.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 34 07 56S 138 18 15E
34 20 11S 138 22 31E, 34 21 27S 138 22 59E
then along the minor arc of a circle of 36.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 10 16S 137 50 47E
VERTICAL LIMITS: 8500 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/AUGUSTA HIGH B

LATERAL LIMITS: 33 29 20S 138 05 18E, 33 18 46S 138 06 46E
then along the minor arc of a circle of 100.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 38 22S 139 46 30E
33 42 20S 139 44 17E, 33 46 43S 139 39 50E
then along the minor arc of a circle of 90.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 29 20S 138 05 18E
VERTICAL LIMITS: 9500 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/AUGUSTA HIGH C

LATERAL LIMITS: 32 38 24S 135 44 39E, 32 10 04S 137 09 27E
then along the minor arc of a circle of 20.00NM radius centred on
32 28 40S 137 18 14E (OJJAY/WPT) to 32 09 50S 137 26 18E
32 52 09S 139 48 32E,
then along the minor arc of a circle of 140.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 01 22S 140 07 05E
33 38 22S 139 46 30E,
then along the minor arc of a circle of 100.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 18 46S 138 06 46E
33 29 20S 138 05 18E,
then along the minor arc of a circle of 90.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 30 01S 136 49 20E
35 30 01S 135 00 00E, 34 46 18S 135 00 00E
34 08 11S 135 20 18E, 32 59 42S 135 08 00E
32 38 24S 135 44 39E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/AUGUSTA HIGH CAP

LATERAL LIMITS: 34 20 11S 138 22 31E, 34 07 56S 138 18 15E
then along the minor arc of a circle of 50.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 34 17 16S 139 08 38E
34 27 56S 138 57 37E, 34 56 49S 138 31 28E
35 10 16S 137 50 47E,
then along the minor arc of a circle of 36.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 34 21 27S 138 22 59E
34 20 11S 138 22 31E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24

CONTROLLING AUTHORITY: Airservices Australia

YBBB/BARRA A

LATERAL LIMITS: 16 48 58S 145 07 09E,
then along the minor arc of a circle of 36.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 44 44S 146 21 36E
16 42 56S 146 05 59E,
then along the minor arc of a circle of 22.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 49 47S 145 21 44E
16 48 58S 145 07 09E
VERTICAL LIMITS: FL180 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BARRA B

LATERAL LIMITS: 16 47 15S 144 36 59E,
then along the minor arc of a circle of 65.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 48 12S 146 52 20E
16 44 44S 146 21 36E,
then along the minor arc of a circle of 36.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 48 58S 145 07 09E
16 47 15S 144 36 59E
VERTICAL LIMITS: Base of CTA - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BARRA C

LATERAL LIMITS: 16 45 42S 144 10 59E,
then along the minor arc of a circle of 90.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 51 05S 147 18 30E
16 48 12S 146 52 20E,
then along the minor arc of a circle of 65.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 47 15S 144 36 59E
16 45 42S 144 10 59E
VERTICAL LIMITS: 8500 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BARRA D

LATERAL LIMITS: 16 43 46S 143 39 47E,
then along the minor arc of a circle of 120.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 15 28 42S 147 15 42E
16 51 30S 147 28 40E, 16 51 05S 147 18 30E
then along the minor arc of a circle of 90.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 45 42S 144 10 59E
16 43 46S 143 39 47E
VERTICAL LIMITS: FL180 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BARRA E

LATERAL LIMITS: 16 41 46S 143 08 34E,
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 14 44 19S 147 08 50E
15 28 42S 147 15 42E,
then along the minor arc of a circle of 120.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 43 46S 143 39 47E
16 41 46S 143 08 34E
VERTICAL LIMITS: FL180 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/BENALLA

LATERAL LIMITS: 34 57 44S 147 02 32E, 34 50 49S 147 47 58E
35 20 57S 148 16 17E, 35 17 41S 148 58 21E
then along the minor arc of a circle of 11.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 35 25 40S 149 03 37E
35 45 49S 149 01 48E, 36 07 04S 148 14 00E
37 22 37S 147 40 33E,
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 38 12 41S 148 11 47E
38 05 56S 147 08 58E, 38 03 16S 146 53 14E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 08 13S 145 41 28E
35 36 33S 146 16 20E, 35 22 30S 146 31 36E
35 05 21S 146 55 21E, 34 57 44S 147 02 32E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/BILLABONG

LATERAL LIMITS: 27 30 00S 112 20 01E, 23 30 00S 111 44 17E
23 30 00S 114 45 00E, 23 30 00S 116 00 00E
23 10 21S 117 44 13E, 23 15 14S 118 23 12E
22 55 12S 118 30 00E, 22 00 00S 118 30 00E
21 55 00S 118 57 40E, 22 33 19S 120 20 14E
23 35 17S 120 17 25E, 24 10 39S 120 40 02E
25 00 00S 120 14 33E, 28 00 14S 118 38 07E
27 41 09S 116 00 00E, 27 30 00S 112 20 01E
VERTICAL LIMITS: FL285 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/BINDOOK A

LATERAL LIMITS: 33 50 51S 149 34 59E, 33 47 37S 149 52 55E
33 50 34S 150 17 16E,
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 20 25S 150 24 50E
34 38 50S 149 48 48E,
then along the minor arc of a circle of 80.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 50 51S 149 34 59E
VERTICAL LIMITS: 8500 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/BINDOOK B

LATERAL LIMITS: 34 02 50S 149 22 44E, 33 59 41S 149 34 44E
then along the minor arc of a circle of 80.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 42 04S 149 51 19E
34 47 38S 149 45 03E,
then along the minor arc of a circle of 40.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 37 30S 149 20 42E
then along the minor arc of a circle of 100.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 28 20S 149 16 29E
34 02 50S 149 22 44E
VERTICAL LIMITS: FL200 - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/BINDOOK/SYDNEY CAP

LATERAL LIMITS: 33 54 32S 150 52 59E, 33 50 34S 150 17 16E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 20 25S 150 24 50E
34 04 29S 150 55 30E,
then along the minor arc of a circle of 15.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 54 32S 150 52 59E
VERTICAL LIMITS: FL280 - FL600

HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BOURKE

LATERAL LIMITS: 29 00 00S 143 30 00E, 29 53 53S 142 40 54E
31 00 00S 142 48 44E, 31 47 54S 143 31 00E
33 00 00S 143 31 00E, 33 00 00S 144 00 00E
33 08 00S 144 42 00E, 33 37 00S 145 29 24E
33 11 36S 145 31 23E, 32 57 11S 146 15 43E
33 17 56S 147 48 50E, 32 56 07S 148 03 26E
32 38 09S 148 15 22E, 32 13 10S 148 34 40E
32 05 40S 148 49 51E, 29 00 00S 146 32 00E
29 00 00S 143 30 00E
VERTICAL LIMITS: FL285 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE APPROACH BRISBANE

LATERAL LIMITS: 27 13 25S 152 41 03E, 27 12 00S 152 36 35E
then along the major arc of a circle of 30.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 47 06S 152 49 49E
27 44 13S 152 51 55E, 27 42 34S 152 52 59E
27 13 25S 152 41 03E
VERTICAL LIMITS: Base of CTA - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE APPROACH GOLD COAST A

LATERAL LIMITS: 27 57 09S 153 17 23E, 27 51 48S 153 12 40E
then along the minor arc of a circle of 30.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 35 19S 153 38 35E
27 36 41S 153 41 44E, 27 42 53S 153 44 34E
then along the minor arc of a circle of 30.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 27 51 20S 153 56 42E
28 10 08S 153 30 14E, 28 13 30S 153 18 49E
28 04 00S 153 21 17E, 27 57 09S 153 17 23E
VERTICAL LIMITS: Base of CTA - 6500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE APPROACH GOLD COAST B

LATERAL LIMITS: 28 28 27S 153 03 16E, 28 17 12S 153 06 10E
28 13 30S 153 18 49E, 28 10 08S 153 30 14E
27 51 20S 153 56 42E,
then along the minor arc of a circle of 30.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 27 55 44S 154 00 00E
28 24 39S 154 00 00E,
then along the minor arc of a circle of 30.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 28 27S 153 03 16E
VERTICAL LIMITS: Base of CTA - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BURNETT A

LATERAL LIMITS: 27 05 15S 152 15 28E, 26 45 10S 152 08 15E
then along the minor arc of a circle of 65.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 36 02S 154 00 00E
26 37 23S 154 00 00E, 27 01 07S 153 32 38E
then along the minor arc of a circle of 30.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 12 00S 152 36 35E
27 05 15S 152 15 28E
VERTICAL LIMITS: Base of CTA - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BURNETT B

LATERAL LIMITS: 27 13 25S 152 41 03E, 27 12 00S 152 36 35E
then along the major arc of a circle of 30.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 35 19S 153 38 35E
27 21 58S 153 08 21E, 27 34 13S 153 00 58E
27 37 03S 152 50 42E, 27 13 25S 152 41 03E
VERTICAL LIMITS: FL180 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BURNETT C

LATERAL LIMITS: 26 41 15S 151 01 54E,
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 01 51S 151 28 21E
26 21 06S 151 54 05E, 26 39 16S 152 06 08E
27 05 15S 152 15 28E, 26 51 37S 151 33 22E
26 41 15S 151 01 54E
VERTICAL LIMITS: 8500 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BURNETT D

LATERAL LIMITS: 26 01 51S 151 28 21E,
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 25 22 05S 152 56 24E
25 52 15S 153 19 26E,
then along the minor arc of a circle of 90.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 21 06S 151 54 05E
26 01 51S 151 28 21E
VERTICAL LIMITS: FL180 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BURNETT E

LATERAL LIMITS: 26 39 16S 152 06 08E, 26 21 06S 151 54 05E
then along the minor arc of a circle of 90.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 04 31S 154 00 00E
26 36 02S 154 00 00E,
then along the minor arc of a circle of 65.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 45 10S 152 08 15E
26 39 16S 152 06 08E
VERTICAL LIMITS: 8500 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/CANBERRA TMA

LATERAL LIMITS: 35 09 20S 148 36 19E, 34 52 32S 149 06 00E
34 52 00S 149 32 14E,
then along the minor arc of a circle of 30.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 35 20 06S 149 48 12E
35 33 27S 149 25 31E, 35 45 49S 149 01 48E
then along the minor arc of a circle of 30.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 35 09 20S 148 36 19E
VERTICAL LIMITS: Base of CTA - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/CARNARVON

LATERAL LIMITS: 21 26 57S 145 46 28E, 21 43 30S 146 06 56E

22 33 00S 147 44 50E, 22 52 45S 148 17 40E
22 48 42S 149 09 24E, 23 05 40S 149 20 16E
23 10 00S 149 35 00E, 24 38 10S 150 20 30E
26 30 45S 150 30 32E,
then along the minor arc of a circle of 150.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 37 45S 150 41 59E
29 00 00S 149 00 00E, 29 08 07S 147 42 57E
25 50 45S 147 30 00E, 22 58 59S 145 52 31E
22 01 17S 145 47 51E, 21 51 14S 145 35 26E
21 26 57S 145 46 28E
VERTICAL LIMITS: FL285 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/CESSNOCK

LATERAL LIMITS: 32 31 57S 150 33 47E, 33 16 11S 150 46 53E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 12 03S 151 19 18E
32 47 28S 151 24 14E, 32 36 02S 151 23 51E
32 27 28S 151 05 59E, 32 26 34S 151 04 08E
then along the minor arc of a circle of 90.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 32 31 57S 150 33 47E
VERTICAL LIMITS: 8500 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/CESSNOCK/SYDNEY CAP

LATERAL LIMITS: 33 31 39S 150 59 47E, 33 14 17S 150 52 09E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 12 03S 151 19 18E
33 41 44S 151 13 41E, 33 39 38S 151 00 33E
then along the minor arc of a circle of 11.00NM radius centred on
33 36 27S 150 47 56E (RIC/TAC) to 33 31 39S 150 59 47E
VERTICAL LIMITS: FL280 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/CORAL

LATERAL LIMITS: 12 00 00S 148 34 24E, 12 00 00S 155 00 00E
14 00 00S 155 00 00E, 14 00 00S 161 15 00E
16 58 17S 162 39 45E, 16 58 17S 151 04 31E
16 09 59S 151 06 21E, 12 00 00S 148 34 24E
VERTICAL LIMITS: SFC - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/CROSS

LATERAL LIMITS: 31 02 15S 117 21 30E, 29 18 00S 120 00 00E
31 10 07S 120 24 03E, 31 41 25S 117 41 40E
then along the minor arc of a circle of 90.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 02 15S 117 21 30E
VERTICAL LIMITS: Base of CTA - FL600
CONTROLLING AUTHORITY: Airservices Australia

YMMM/DALLY

LATERAL LIMITS: 30 28 14S 116 18 03E, 29 19 30S 116 34 13E
then along the minor arc of a circle of 160.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 30 20 17S 118 26 34E
31 02 15S 117 21 30E,
then along the minor arc of a circle of 90.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 30 28 14S 116 18 03E
VERTICAL LIMITS: Base of CTA - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/DOWNS A

LATERAL LIMITS: 26 41 15S 151 01 54E, 26 51 37S 151 33 22E
27 05 15S 152 15 28E, 27 12 00S 152 36 35E
27 13 25S 152 41 03E, 27 42 34S 152 52 59E
27 44 13S 152 51 55E, 27 53 24S 152 45 11E
28 58 42S 151 47 37E,
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 41 15S 151 01 54E
VERTICAL LIMITS: SFC - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/DOWNS D

LATERAL LIMITS: 26 30 45S 150 30 32E, 26 41 15S 151 01 54E
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 58 42S 151 47 37E
29 19 33S 151 28 53E, 29 22 48S 151 27 06E
then along the minor arc of a circle of 150.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 30 45S 150 30 32E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/EILDON WEIR HIGH A

LATERAL LIMITS: 37 29 36S 144 50 58E, 37 09 36S 144 52 04E
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 47 08S 145 27 08E
37 42 20S 145 02 39E,
then along the major arc of a circle of 10.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 29 36S 144 50 58E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/EILDON WEIR HIGH B

LATERAL LIMITS: 36 51 13S 144 53 03E, 36 24 04S 145 23 46E
then along the minor arc of a circle of 80.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 58 46S 146 28 34E
37 47 08S 145 27 08E,
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 09 36S 144 52 04E
36 51 13S 144 53 03E
VERTICAL LIMITS: 8500 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/EILDON WEIR HIGH C

LATERAL LIMITS: 36 24 04S 145 23 46E, 36 08 13S 145 41 28E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 03 16S 146 53 14E
37 58 46S 146 28 34E,
then along the minor arc of a circle of 80.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 24 04S 145 23 46E
VERTICAL LIMITS: FL180 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/ESPERANCE

LATERAL LIMITS: 32 00 00S 120 35 03E, 30 11 36S 120 11 23E

29 03 08S 124 01 16E, 29 30 00S 125 00 00E
35 04 27S 125 00 10E, 37 10 38S 125 04 54E
36 43 12S 120 00 00E, 35 00 00S 120 15 51E
32 18 57S 120 39 17E, 32 00 00S 120 35 03E
VERTICAL LIMITS: FL285 - FL600
CONTROLLING AUTHORITY: Airservices Australia

YBBB/FLINDERS
LATERAL LIMITS: 16 58 17S 151 04 31E, 16 58 17S 162 39 45E
17 40 00S 163 00 00E, 26 48 59S 163 00 00E
26 57 38S 155 54 19E,
then along the minor arc of a circle of 150.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 24 58 55S 154 00 00E
23 13 18S 153 14 30E, 22 15 21S 152 02 50E
21 39 12S 151 52 08E, 19 16 13S 151 10 44E
18 40 27S 151 00 35E, 16 58 17S 151 04 31E
VERTICAL LIMITS: SFC - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/FORREST
LATERAL LIMITS: 35 04 27S 125 00 10E, 29 30 00S 125 00 00E
28 47 01S 127 50 00E, 28 23 26S 130 18 37E
28 09 51S 131 36 52E, 29 43 37S 133 18 18E
31 35 00S 135 25 00E, 32 25 12S 136 24 36E
32 38 24S 135 44 39E, 32 59 42S 135 08 00E
34 08 11S 135 20 18E, 34 46 18S 135 00 00E
36 10 04S 135 00 00E, 36 57 30S 139 40 00E
37 49 05S 139 40 00E, 38 54 04S 139 40 00E
38 54 04S 141 00 00E, 42 21 00S 141 00 00E
37 10 38S 125 04 54E, 35 04 27S 125 00 10E
VERTICAL LIMITS: FL285 - FL600
CONTROLLING AUTHORITY: Airservices Australia

YMMM/GERALDTON
LATERAL LIMITS: 30 00 00S 112 43 56E, 27 30 00S 112 20 01E
27 40 44S 115 49 10E, 27 41 09S 116 00 00E
27 48 10S 116 55 09E, 29 19 30S 116 34 13E
then along the minor arc of a circle of 160.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 30 00 13S 113 49 39E
30 00 00S 112 43 56E
VERTICAL LIMITS: Base of CTA - FL600
CONTROLLING AUTHORITY: Airservices Australia

YBBB/GOLD COAST A
LATERAL LIMITS: 28 28 27S 153 03 16E, 28 17 12S 153 06 10E
28 13 30S 153 18 49E, 28 10 08S 153 30 14E
27 51 20S 153 56 42E,
then along the minor arc of a circle of 30.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 27 55 44S 154 00 00E
28 24 39S 154 00 00E,
then along the minor arc of a circle of 30.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 28 27S 153 03 16E
VERTICAL LIMITS: FL125 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/GOLD COAST B
LATERAL LIMITS: 27 34 13S 153 00 58E, 27 21 58S 153 08 21E
27 35 19S 153 38 35E,
then along the minor arc of a circle of 30.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 47 06S 152 49 49E
27 44 13S 152 51 55E, 27 42 34S 152 52 59E
27 37 03S 152 50 42E, 27 34 13S 153 00 58E
VERTICAL LIMITS: FL180 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/GOLD COAST C
LATERAL LIMITS: 28 17 12S 153 06 10E, 27 51 48S 153 12 40E
then along the minor arc of a circle of 30.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 35 19S 153 38 35E
27 36 41S 153 41 44E, 27 42 53S 153 44 34E
then along the minor arc of a circle of 30.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 27 51 20S 153 56 42E
28 10 08S 153 30 14E, 28 13 30S 153 18 49E
28 17 12S 153 06 10E
VERTICAL LIMITS: 6500 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/GOLD COAST D
LATERAL LIMITS: 27 47 06S 152 49 49E,
then along the minor arc of a circle of 30.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 51 48S 153 12 40E
28 28 27S 153 03 16E, 28 26 13S 152 36 35E
then along the minor arc of a circle of 70.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 19 11S 152 22 38E
27 53 24S 152 45 11E, 27 47 06S 152 49 49E
VERTICAL LIMITS: Base of CTA - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/GOLD COAST E
LATERAL LIMITS: 27 42 53S 153 44 34E, 27 36 41S 153 41 44E
27 44 36S 154 00 00E, 27 55 44S 154 00 00E
then along the minor arc of a circle of 30.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 27 51 20S 153 56 42E
then along the minor arc of a circle of 30.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 27 42 53S 153 44 34E
VERTICAL LIMITS: Base of CTA - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/GOLD COAST F
LATERAL LIMITS: 28 26 13S 152 36 35E, 28 28 27S 153 03 16E
then along the minor arc of a circle of 30.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 24 39S 154 00 00E
28 29 50S 154 00 00E, 28 55 26S 153 54 34E
then along the minor arc of a circle of 50.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 26 13S 152 36 35E
VERTICAL LIMITS: FL125 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/GRIFFITH
LATERAL LIMITS: 33 11 36S 145 31 23E, 32 57 11S 146 15 43E
33 17 56S 147 48 50E, 34 29 18S 148 09 16E
then along the minor arc of a circle of 70.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 50 04S 147 52 58E
34 57 44S 147 02 32E, 35 04 06S 146 56 32E
34 51 56S 145 52 00E, 34 21 00S 145 25 46E
33 37 00S 145 29 24E, 33 11 36S 145 31 23E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/GROVE
LATERAL LIMITS: 29 19 30S 116 34 13E, 27 48 10S 116 55 09E
28 00 14S 118 38 07E, 28 08 53S 118 45 26E
29 18 00S 120 00 00E, 30 20 17S 118 26 34E
then along the minor arc of a circle of 160.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 29 19 30S 116 34 13E
VERTICAL LIMITS: Base of CTA - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/GUNDAGAI A
LATERAL LIMITS: 34 50 04S 147 52 58E,
then along the minor arc of a circle of 70.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 17 02S 148 27 30E
33 59 41S 149 34 44E,
then along the minor arc of a circle of 80.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 42 04S 149 51 19E
34 54 58S 149 36 46E, 35 08 52S 149 20 57E
then along the minor arc of a circle of 11.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 35 17 41S 148 58 21E
35 20 57S 148 16 17E, 34 50 49S 147 47 58E
34 50 04S 147 52 58E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/HYDEN
LATERAL LIMITS: 31 41 25S 117 41 40E, 31 10 07S 120 24 03E
32 18 57S 120 39 17E, 34 49 56S 120 17 22E
33 54 00S 118 31 00E, 32 55 50S 117 17 52E
then along the minor arc of a circle of 90.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 41 25S 117 41 40E
VERTICAL LIMITS: Base of CTA - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/INDIAN
LATERAL LIMITS: 02 00 00S 078 00 00E, 02 00 00S 092 00 00E
12 00 00S 107 00 00E, 12 00 00S 114 30 00E
14 08 13S 115 08 32E, 17 37 11S 118 45 34E
18 47 59S 115 33 44E, 19 30 36S 113 31 23E
21 50 00S 111 30 00E, 27 30 00S 112 20 01E
31 15 48S 112 56 25E,
then along the minor arc of a circle of 160.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 34 11 13S 114 13 59E
36 25 00S 116 40 00E, 36 43 12S 120 00 00E
90 00 00S 135 00 00E, 06 00 00S 075 00 00E
02 00 00S 078 00 00E
VERTICAL LIMITS: SFC - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/INDIAN SOUTH
LATERAL LIMITS: 36 43 12S 120 00 00E, 37 10 38S 125 04 54E
42 21 00S 141 00 00E, 45 00 00S 141 00 00E
45 00 00S 150 00 00E, 45 00 00S 163 00 00E
90 00 00S 135 00 00E, 36 43 12S 120 00 00E
VERTICAL LIMITS: SFC - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/INVERELL A
LATERAL LIMITS: 28 43 14S 152 01 23E, 28 24 06S 152 18 19E
then along the minor arc of a circle of 65.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 54 02S 152 35 42E
29 26 36S 152 47 31E,
then along the minor arc of a circle of 85.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 29 34 11S 153 46 14E
30 09 54S 153 38 28E, 30 41 52S 152 02 20E
30 28 21S 151 43 02E, 30 26 19S 151 40 09E
29 49 03S 151 12 35E, 29 19 33S 151 28 53E
28 43 14S 152 01 23E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/INVERELL B
LATERAL LIMITS: 28 54 02S 152 35 42E,
then along the minor arc of a circle of 65.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 29 12 43S 153 50 52E
29 34 11S 153 46 14E,
then along the minor arc of a circle of 85.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 29 26 36S 152 47 31E
28 54 02S 152 35 42E
VERTICAL LIMITS: FL155 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/INVERELL C
LATERAL LIMITS: 28 24 06S 152 18 19E, 28 19 11S 152 22 38E
then along the minor arc of a circle of 70.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 26 13S 152 36 35E
then along the minor arc of a circle of 50.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 55 26S 153 54 34E
29 12 43S 153 50 52E,
then along the minor arc of a circle of 65.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 24 06S 152 18 19E
VERTICAL LIMITS: FL125 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/ISA
LATERAL LIMITS: 14 56 29S 138 52 36E, 15 00 00S 140 00 00E
15 30 25S 141 43 29E, 16 03 03S 143 16 41E
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 41 46S 143 08 34E
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 57 54S 143 08 22E
18 17 48S 143 50 32E, 18 49 22S 144 07 24E
19 25 53S 144 27 04E, 20 11 58S 144 53 36E
21 26 57S 145 46 28E, 21 51 14S 145 35 26E
21 43 33S 145 25 58E, 21 43 42S 143 53 44E
22 08 25S 142 57 53E, 23 10 00S 140 46 17E
23 10 00S 137 00 50E, 22 17 51S 136 38 07E
21 51 32S 136 22 25E, 20 43 56S 136 14 02E
19 01 14S 137 40 20E, 17 20 18S 137 09 18E
15 42 12S 137 12 54E, 15 08 36S 138 20 42E
14 56 29S 138 52 36E
VERTICAL LIMITS: FL285 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/JARRAH
LATERAL LIMITS: 33 54 47S 113 48 59E, 32 23 51S 115 29 38E
then along the minor arc of a circle of 36.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 24 16S 116 24 56E
32 49 45S 117 10 21E, 32 55 50S 117 17 52E
33 54 00S 118 31 00E, 34 49 56S 120 17 22E

36 43 12S 120 00 00E, 36 25 00S 116 40 00E
35 10 52S 115 17 43E, 34 11 13S 114 13 59E
then along the minor arc of a circle of 160.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 33 54 47S 113 48 59E
VERTICAL LIMITS: Base of CTA - FL600
CONTROLLING AUTHORITY: Airservices Australia

YMMM/JARRAH CAP

LATERAL LIMITS: 32 23 51S 115 29 38E, 32 10 10S 115 44 22E
32 10 59S 115 55 29E, 32 09 48S 115 56 41E
32 07 40S 115 58 50E,
then along the minor arc of a circle of 11.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 05 41S 116 05 05E
32 18 13S 116 14 17E, 32 24 16S 116 24 56E
then along the minor arc of a circle of 36.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 23 51S 115 29 38E
VERTICAL LIMITS: FL245 - FL600
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/KATOOMBA A

LATERAL LIMITS: 33 49 08S 150 05 23E,
then along the minor arc of a circle of 55.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 18 49S 150 22 53E
33 25 34S 150 31 41E,
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 50 34S 150 17 16E
33 49 08S 150 05 23E
VERTICAL LIMITS: FL125 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/KATOOMBA B

LATERAL LIMITS: 33 48 38S 149 47 19E,
then along the minor arc of a circle of 70.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 08 39S 150 09 42E
33 18 49S 150 22 53E,
then along the minor arc of a circle of 55.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 49 08S 150 05 23E
33 47 37S 149 52 55E, 33 48 38S 149 47 19E
VERTICAL LIMITS: FL155 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/KATOOMBA C

LATERAL LIMITS: 33 22 22S 148 22 27E, 32 37 32S 149 29 53E
32 55 03S 149 52 13E, 33 08 39S 150 09 42E
then along the minor arc of a circle of 70.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 48 38S 149 47 19E
33 50 51S 149 34 59E,
then along the minor arc of a circle of 80.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 59 41S 149 34 44E
34 17 02S 148 27 30E, 33 22 22S 148 22 27E
VERTICAL LIMITS: FL180 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/KATOOMBA D

LATERAL LIMITS: 32 13 10S 148 34 40E, 32 05 40S 148 49 51E
32 37 32S 149 29 53E, 33 22 22S 148 22 27E
34 17 02S 148 27 30E,
then along the minor arc of a circle of 70.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 29 18S 148 09 16E
33 17 56S 147 48 50E, 32 56 07S 148 03 26E
32 38 09S 148 15 22E, 32 13 10S 148 34 40E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/KATOOMBA/SYDNEY CAP

LATERAL LIMITS: 33 54 32S 150 52 59E, 33 50 34S 150 17 16E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 36 13S 150 22 41E
33 42 11S 150 36 41E, 33 42 57S 150 38 44E
33 45 05S 150 54 00E, 33 54 32S 150 52 59E
VERTICAL LIMITS: FL280 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/KENNEDY A

LATERAL LIMITS: 16 47 15S 144 36 59E, 16 48 58S 145 07 09E
then along the major arc of a circle of 36.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 44 44S 146 21 36E
16 48 12S 146 52 20E,
then along the major arc of a circle of 65.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 47 15S 144 36 59E
VERTICAL LIMITS: Base of CTA - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/KENNEDY B

LATERAL LIMITS: 16 41 46S 143 08 34E, 16 47 15S 144 36 59E
then along the major arc of a circle of 65.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 48 12S 146 52 20E
16 51 05S 147 18 30E,
then along the minor arc of a circle of 90.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 17 45 21S 146 59 48E
18 20 13S 145 29 46E, 18 34 39S 144 46 06E
18 17 48S 143 50 32E, 16 57 54S 143 08 22E
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 41 46S 143 08 34E
VERTICAL LIMITS: 8500 - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/KENNEDY C

LATERAL LIMITS: 18 17 48S 143 50 32E, 16 57 54S 143 08 22E
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 41 46S 143 08 34E
16 49 47S 145 21 44E,
then along the minor arc of a circle of 22.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 42 56S 146 05 59E
16 51 05S 147 18 30E,
then along the minor arc of a circle of 90.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 17 45 21S 146 59 48E
18 20 13S 145 29 46E, 18 34 39S 144 46 06E
18 17 48S 143 50 32E
VERTICAL LIMITS: FL180 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/KENNEDY D

LATERAL LIMITS: 16 51 05S 147 18 30E, 16 51 30S 147 28 40E
17 31 28S 147 34 59E, 17 45 21S 146 59 48E
then along the minor arc of a circle of 90.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 51 05S 147 18 30E
VERTICAL LIMITS: FL180 - FL600

HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/KEPPEL

LATERAL LIMITS: 23 10 00S 149 35 00E, 22 14 32S 150 00 42E
22 17 00S 150 12 00E, 22 15 00S 150 20 00E
22 12 34S 150 25 27E, 22 06 00S 150 30 00E
22 06 00S 150 45 00E, 21 39 12S 151 52 08E
22 15 21S 152 02 50E, 23 13 18S 153 14 30E
24 58 55S 154 00 00E,
then along the minor arc of a circle of 150.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 25 06 43S 154 21 26E
25 45 00S 154 00 00E, 26 04 31S 154 00 00E
then along the minor arc of a circle of 90.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 25 52 15S 153 19 26E
25 22 05S 152 56 24E,
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 41 15S 151 01 54E
26 30 45S 150 30 32E, 24 38 10S 150 20 30E
23 10 00S 149 35 00E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/KIMBERLEY

LATERAL LIMITS: 14 08 13S 115 08 32E, 12 00 00S 114 30 00E
12 00 00S 123 20 00E, 12 26 03S 126 19 25E
12 39 55S 128 01 11E,
then along the minor arc of a circle of 170.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 15 05 44S 129 54 21E
15 15 20S 129 54 33E,
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 16 55 10S 131 36 45E
17 10 35S 131 30 00E, 19 00 00S 131 30 00E
21 12 32S 131 55 06E, 21 12 09S 131 50 24E
23 13 13S 128 27 49E, 23 23 49S 126 03 32E
21 31 19S 124 33 04E, 20 03 18S 121 40 22E
19 00 00S 120 15 00E, 14 08 13S 115 08 32E
VERTICAL LIMITS: FL285 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/LEEMAN

LATERAL LIMITS: 31 15 39S 112 56 28E, 30 00 00S 112 43 56E
30 00 13S 113 49 39E,
then along the minor arc of a circle of 160.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 29 19 30S 116 34 13E
30 28 14S 116 18 03E, 31 21 14S 116 05 19E
then along the minor arc of a circle of 36.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 23 51S 115 29 38E
33 54 47S 113 48 59E,
then along the minor arc of a circle of 160.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 15 39S 112 56 28E
VERTICAL LIMITS: Base of CTA - FL600
CONTROLLING AUTHORITY: Airservices Australia

YMMM/LEEMAN CAP

LATERAL LIMITS: 32 10 10S 115 44 22E, 32 23 51S 115 29 38E
then along the minor arc of a circle of 36.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 21 14S 116 05 19E
31 45 52S 115 59 56E,
then along the minor arc of a circle of 11.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 07 40S 115 58 50E
32 09 48S 115 56 41E, 32 10 59S 115 55 29E
32 10 10S 115 44 22E
VERTICAL LIMITS: FL245 - FL600
CONTROLLING AUTHORITY: Airservices Australia

YBBB/LORD HOWE

LATERAL LIMITS: 33 54 29S 155 11 12E,
then along the minor arc of a circle of 200.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 31 07 50S 153 18 31E
30 40 20S 153 31 46E, 29 49 13S 153 42 58E
then along the minor arc of a circle of 150.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 57 38S 155 54 19E
26 48 59S 163 00 00E, 33 16 00S 163 00 00E
33 54 29S 155 11 12E
VERTICAL LIMITS: SFC - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MAITLAND

LATERAL LIMITS: 32 36 02S 151 23 51E, 32 40 49S 151 34 15E
32 50 05S 152 03 59E, 32 53 01S 152 26 31E
33 30 06S 151 54 31E,
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 12 03S 151 19 18E
32 47 28S 151 24 14E, 32 36 02S 151 23 51E
VERTICAL LIMITS: 8500 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MAITLAND/SYDNEY CAP

LATERAL LIMITS: 33 12 03S 151 19 18E, 33 41 44S 151 13 41E
then along the minor arc of a circle of 15.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 47 47S 151 25 27E
33 30 06S 151 54 31E,
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 12 03S 151 19 18E
VERTICAL LIMITS: FL280 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/MANNING

LATERAL LIMITS: 30 41 52S 152 02 20E, 30 09 54S 153 38 28E
30 40 20S 153 31 46E, 32 53 01S 152 26 31E
32 50 05S 152 03 59E, 32 40 49S 151 34 15E
32 36 02S 151 23 51E, 30 41 52S 152 02 20E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE TMA A

LATERAL LIMITS: A circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME)
VERTICAL LIMITS: Base of CTA - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MORRIS

LATERAL LIMITS: 28 00 14S 118 38 07E, 24 10 39S 120 40 02E
25 00 00S 121 12 00E, 26 34 44S 124 00 00E
28 03 46S 124 13 56E, 29 03 08S 124 01 16E
30 11 36S 120 11 23E, 29 18 00S 120 00 00E
28 08 53S 118 45 26E, 28 00 14S 118 38 07E
VERTICAL LIMITS: FL285 - FL600

CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MUDGEE A

LATERAL LIMITS: 33 18 49S 150 22 53E,
then along the minor arc of a circle of 55.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 06 18S 150 43 56E
33 16 11S 150 46 53E,
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 25 34S 150 31 41E
33 18 49S 150 22 53E
VERTICAL LIMITS: FL125 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/MUDGEE B

LATERAL LIMITS: 33 08 39S 150 09 42E,
then along the minor arc of a circle of 70.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 32 51 32S 150 39 33E
33 06 18S 150 43 56E,
then along the minor arc of a circle of 55.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 18 49S 150 22 53E
33 08 39S 150 09 42E
VERTICAL LIMITS: FL155 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MUDGEE C SY/DME

LATERAL LIMITS: 32 33 39S 149 35 37E, 32 09 51S 150 31 51E
32 31 57S 150 33 47E, 32 51 32S 150 39 33E
then along the minor arc of a circle of 70.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 08 39S 150 09 42E
32 37 32S 149 29 53E, 32 33 39S 149 35 37E
VERTICAL LIMITS: FL180 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MUDGEE D

LATERAL LIMITS: 32 05 40S 148 49 51E, 29 20 27S 146 46 41E
29 08 07S 147 42 57E, 29 00 00S 149 00 00E
28 37 45S 150 41 59E,
then along the minor arc of a circle of 150.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 29 22 47S 151 27 06E
29 49 03S 151 12 35E, 30 14 19S 151 31 13E
31 18 50S 150 17 48E, 31 24 47S 150 21 17E
31 38 06S 150 29 05E, 32 09 51S 150 31 51E
32 33 39S 149 35 37E, 32 37 32S 149 29 53E
32 21 54S 149 10 09E, 32 05 40S 148 49 51E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MUDGEE/SYDNEY CAP

LATERAL LIMITS: 33 42 11S 150 36 41E, 33 36 13S 150 22 41E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 14 17S 150 52 09E
33 31 39S 150 59 47E,
then along the minor arc of a circle of 11.00NM radius centred on
33 36 27S 150 47 56E (RIC/TAC) to 33 41 05S 150 59 53E
33 45 05S 150 54 00E, 33 42 57S 150 38 44E
33 42 11S 150 36 41E
VERTICAL LIMITS: FL280 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MUNGO

LATERAL LIMITS: 33 20 34S 140 34 10E, 33 00 00S 143 31 00E
33 00 00S 144 00 00E, 33 08 00S 144 42 00E
33 20 45S 145 02 42E, 33 44 27S 143 46 33E
36 00 36S 144 31 58E,
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 54 04S 143 25 39E
38 54 04S 139 40 00E, 36 40 00S 139 40 00E
36 28 41S 141 00 00E, 36 06 58S 141 00 00E
then along the minor arc of a circle of 140.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 20 34S 140 34 10E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/NAMBUCCA

LATERAL LIMITS: 30 41 52S 152 02 20E, 30 09 54S 153 38 28E
30 40 20S 153 31 46E, 32 53 01S 152 26 31E
32 50 05S 152 03 59E, 32 40 49S 151 34 15E
32 36 02S 151 23 51E, 32 27 28S 151 05 59E
31 26 47S 151 33 04E, 30 41 52S 152 02 20E
VERTICAL LIMITS: FL125 - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/OCEAN

LATERAL LIMITS: 32 53 01S 152 26 31E, 31 07 50S 153 18 31E
then along the minor arc of a circle of 200.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 36 29 26S 153 48 37E
36 13 36S 152 25 23E,
then along the minor arc of a circle of 120.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 35 18 59S 152 55 50E
34 28 18S 151 49 23E,
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 30 06S 151 54 31E
32 53 01S 152 26 31E
VERTICAL LIMITS: SFC - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/OCEAN/SYDNEY CAP

LATERAL LIMITS: 33 30 06S 151 54 31E, 33 47 47S 151 25 27E
then along the minor arc of a circle of 15.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 07 10S 151 23 39E
34 28 18S 151 49 23E,
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 30 06S 151 54 31E
VERTICAL LIMITS: FL280 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/ORE

LATERAL LIMITS: 23 30 00S 111 44 17E, 21 50 00S 111 30 00E
19 30 36S 113 31 23E, 18 47 59S 115 33 44E
17 37 11S 118 45 34E, 19 00 00S 120 15 00E
20 03 18S 121 40 22E, 20 22 18S 122 16 52E
22 30 00S 121 30 00E, 24 10 39S 120 40 02E
23 35 17S 120 17 25E, 22 33 19S 120 20 14E
21 55 00S 118 57 40E, 22 00 00S 118 30 00E
22 55 12S 118 30 00E, 23 15 14S 118 23 12E
23 10 21S 117 44 13E, 23 30 00S 116 00 00E
23 30 00S 114 45 00E, 23 30 00S 111 44 17E
VERTICAL LIMITS: FL285 - FL600
HOURS OF ACTIVITY: H24

CONTROLLING AUTHORITY: Airservices Australia

YMMM/OXLEY
LATERAL LIMITS: 33 44 27S 143 46 33E, 33 20 45S 145 02 42E
33 37 00S 145 29 24E, 34 21 00S 145 25 46E
34 51 56S 145 52 00E, 35 04 06S 146 56 32E
35 05 21S 146 55 21E, 35 22 30S 146 31 36E
36 08 13S 145 41 28E,
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 00 36S 144 31 58E
33 44 27S 143 46 33E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/PINGELLY
LATERAL LIMITS: 32 49 45S 117 10 21E, 32 24 16S 116 24 56E
then along the minor arc of a circle of 36.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 48 43S 116 38 48E
31 42 10S 116 53 44E, 31 35 00S 117 09 27E
31 23 02S 117 35 24E,
then along the minor arc of a circle of 90.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 55 50S 117 17 52E
32 49 45S 117 10 21E
VERTICAL LIMITS: Base of CTA - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/PINGELLY CAP
LATERAL LIMITS: 32 18 13S 116 14 17E, 32 05 41S 116 05 05E
then along the minor arc of a circle of 11.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 56 45S 116 10 30E
32 00 10S 116 24 35E, 31 48 43S 116 38 48E
then along the minor arc of a circle of 36.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 24 16S 116 24 56E
32 18 13S 116 14 17E
VERTICAL LIMITS: FL245 - FL600
CONTROLLING AUTHORITY: Airservices Australia

YBBB/STRADDY
LATERAL LIMITS: 25 45 00S 154 00 00E, 25 06 43S 154 21 26E
then along the minor arc of a circle of 150.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 29 49 13S 153 42 58E
28 29 50S 154 00 00E, 27 44 36S 154 00 00E
27 35 19S 153 38 35E,
then along the minor arc of a circle of 30.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 01 07S 153 32 38E
26 37 23S 154 00 00E, 25 45 00S 154 00 00E
VERTICAL LIMITS: SFC - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/STURT
LATERAL LIMITS: 21 29 59S 136 19 44E, 21 12 32S 131 55 06E
21 11 04S 131 54 49E, 19 00 00S 131 30 00E
17 10 35S 131 30 00E, 16 55 10S 131 36 45E
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 15 52 37S 134 33 14E
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 14 42 16S 134 56 58E
15 46 48S 136 30 51E, 16 35 57S 137 10 56E
17 20 18S 137 09 18E, 19 01 14S 137 40 20E
20 43 56S 136 14 02E, 21 29 59S 136 19 44E
VERTICAL LIMITS: FL285 - FL600
CONTROLLING AUTHORITY: Airservices Australia

YBBB/SWAMPY
LATERAL LIMITS: 20 37 58S 146 08 32E,
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 19 22 01S 148 20 20E
19 16 13S 151 10 44E, 21 39 12S 151 52 08E
22 06 00S 150 45 00E, 22 06 00S 150 30 00E
22 12 34S 150 25 27E, 22 15 00S 150 20 00E
22 17 00S 150 12 00E, 22 14 32S 150 00 42E
23 10 00S 149 35 00E, 23 05 40S 149 20 16E
22 48 42S 149 09 24E, 22 52 45S 148 17 40E
22 33 00S 147 44 50E, 21 43 30S 146 06 56E
21 26 57S 145 46 28E, 20 37 58S 146 08 32E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/TABLETOP A
LATERAL LIMITS: 18 17 48S 143 50 32E, 18 34 39S 144 46 06E
18 20 13S 145 29 46E, 17 45 21S 146 59 48E
17 31 28S 147 34 59E, 18 00 30S 147 39 36E
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 18 13 56S 147 55 42E
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 18 26 56S 148 06 03E
19 21 25S 148 42 02E, 19 22 01S 148 20 20E
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 20 37 58S 146 08 32E
21 26 57S 145 46 28E, 20 11 58S 144 53 36E
19 25 53S 144 27 04E, 18 49 22S 144 07 24E
18 17 48S 143 50 32E
VERTICAL LIMITS: FL180 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/TABLETOP B
LATERAL LIMITS: 16 51 30S 147 28 40E, 16 58 17S 151 04 31E
18 40 27S 151 00 35E, 19 16 13S 151 10 44E
19 21 25S 148 42 02E, 18 26 56S 148 06 03E
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 18 00 30S 147 39 36E
16 51 30S 147 28 40E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/TAILEM BEND A
LATERAL LIMITS: 33 42 20S 139 44 17E, 33 38 22S 139 46 30E
then along the minor arc of a circle of 100.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 36 34 40S 138 05 12E
36 24 22S 138 05 12E, 35 32 07S 138 22 30E
then along the minor arc of a circle of 36.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 34 27 56S 138 57 37E
33 42 20S 139 44 17E
VERTICAL LIMITS: SFC - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/TAILEM BEND B
LATERAL LIMITS: 33 38 22S 139 46 30E, 33 01 22S 140 07 05E
then along the minor arc of a circle of 140.00NM radius centred on

34 56 49S 138 31 28E (AD/DME) to 36 06 58S 141 00 00E
36 28 41S 141 00 00E, 36 40 00S 139 40 00E
36 57 30S 139 40 00E, 36 10 04S 135 00 00E
35 30 01S 135 00 00E, 35 30 01S 136 49 20E
35 10 16S 137 50 47E,
then along the minor arc of a circle of 36.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 32 07S 138 22 30E
36 24 22S 138 05 12E, 36 34 40S 138 05 12E
then along the minor arc of a circle of 100.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 38 22S 139 46 30E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/TAILEM BEND HIGH CAP

LATERAL LIMITS: 34 56 49S 138 31 28E, 34 27 56S 138 57 37E
then along the major arc of a circle of 36.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 10 16S 137 50 47E
34 56 49S 138 31 28E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/TASMAN

LATERAL LIMITS: 45 00 00S 150 00 00E, 44 33 57S 150 00 00E
43 51 03S 150 39 53E, 43 00 00S 151 00 00E
38 11 19S 150 19 14E, 36 56 43S 150 45 03E
then along the minor arc of a circle of 120.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 36 13 36S 152 25 23E
36 29 26S 153 48 37E,
then along the minor arc of a circle of 200.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 54 29S 155 11 12E
33 16 00S 163 00 00E, 45 00 00S 163 00 00E
45 00 00S 150 00 00E
VERTICAL LIMITS: SFC - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/TASMANIA HIGH B

LATERAL LIMITS: 38 54 04S 141 00 00E, 38 54 04S 143 25 39E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 39 18 49S 145 07 33E
39 47 36S 145 07 30E, 40 00 00S 145 12 01E
40 00 00S 146 35 49E,
then along the minor arc of a circle of 162.50NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 39 19 33S 147 33 51E
39 37 48S 147 44 28E,
then along the minor arc of a circle of 30.00NM radius centred on
40 05 29S 147 59 34E (YFLI/AD) to 40 00 02S 148 37 58E
40 34 02S 150 38 39E, 43 00 00S 151 00 00E
43 51 03S 150 39 53E, 43 31 15S 149 21 30E
43 43 48S 145 51 48E, 42 21 00S 141 00 00E
38 54 04S 141 00 00E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/TASMANIA LOW A

LATERAL LIMITS: 39 18 49S 145 07 33E,
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 44 00S 146 27 40E
39 37 56S 147 13 04E,
then along the minor arc of a circle of 162.60NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 40 00 00S 146 35 49E
40 00 00S 145 12 01E, 39 47 36S 145 07 30E
39 18 49S 145 07 33E
VERTICAL LIMITS: FL125 - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/TASMANIA LOW B

LATERAL LIMITS: 41 11 44S 146 19 51E, 41 31 39S 147 00 31E
41 41 54S 147 04 52E, 42 06 47S 146 59 36E
then along the minor arc of a circle of 50.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 25 05S 146 33 32E
42 40 01S 146 53 37E, 42 46 40S 147 03 30E
42 48 40S 147 18 48E, 42 51 58S 147 21 33E
42 57 18S 147 31 40E, 43 18 49S 148 02 31E
then along the minor arc of a circle of 36.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 43 01S 148 19 20E
42 47 26S 147 52 51E,
then along the minor arc of a circle of 16.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 36 38S 147 41 38E
42 24 13S 147 50 22E, 42 06 26S 148 02 44E
then along the minor arc of a circle of 50.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 02 46S 147 50 19E
41 52 26S 147 42 53E, 41 27 27S 147 25 05E
41 17 40S 147 47 21E,
then along the minor arc of a circle of 30.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 41 06 21S 147 32 00E
40 53 11S 147 41 31E,
then along the minor arc of a circle of 45.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 41 11 44S 146 19 51E
VERTICAL LIMITS: 8500 - FL125
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/TASMANIA LOW C

LATERAL LIMITS: 40 00 00S 145 12 01E, 40 00 00S 146 35 49E
then along the minor arc of a circle of 162.60NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 39 37 56S 147 13 04E
39 51 42S 147 24 53E, 41 14 33S 148 38 07E
42 06 26S 148 02 44E, 42 36 38S 147 41 38E
then along the minor arc of a circle of 16.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 47 26S 147 52 51E
42 43 01S 148 19 20E,
then along the minor arc of a circle of 36.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 43 18 49S 148 02 31E
42 57 18S 147 31 40E, 42 51 58S 147 21 33E
42 48 40S 147 18 48E, 42 46 40S 147 03 30E
42 40 01S 146 53 37E, 42 22 31S 146 30 07E
40 59 50S 145 34 16E, 40 00 00S 145 12 01E
VERTICAL LIMITS: FL125 - FL245
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/TASMANIA OCEANIC

LATERAL LIMITS: 45 00 00S 141 00 00E, 42 21 00S 141 00 00E
43 43 48S 145 51 48E, 43 31 15S 149 21 30E
43 51 03S 150 39 53E, 44 33 57S 150 00 00E
45 00 00S 150 00 00E, 45 00 00S 141 00 00E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/TELFER HIGH

LATERAL LIMITS: 22 30 00S 121 30 00E, 20 22 18S 122 16 52E
21 31 19S 124 33 04E, 23 23 49S 126 03 32E
26 34 44S 124 00 00E, 25 00 00S 121 12 00E
24 10 39S 120 40 02E, 22 30 00S 121 30 00E

VERTICAL LIMITS: FL285 - FL600
CONTROLLING AUTHORITY: Airservices Australia

YBBB/TERRITORY

LATERAL LIMITS: 12 39 55S 128 01 11E, 12 26 03S 126 19 25E
12 00 00S 123 20 00E, 11 16 05S 124 18 19E
09 20 00S 126 50 00E, 08 19 24S 130 27 16E
09 48 39S 131 30 25E, 10 01 27S 131 39 32E
then along the minor arc of a circle of 150.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 11 27 44S 133 15 45E
then along the minor arc of a circle of 150.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 12 02S 133 27 00E
13 31 12S 134 44 11E,
then along the major arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 15 15 20S 129 54 33E
15 05 44S 129 54 21E,
then along the minor arc of a circle of 170.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 39 55S 128 01 11E
VERTICAL LIMITS: FL285 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/TERRITORY B

LATERAL LIMITS: 12 26 03S 126 19 25E, 12 00 00S 123 20 00E
11 16 05S 124 18 19E, 09 20 00S 126 50 00E
08 19 24S 130 27 16E, 09 48 39S 131 30 25E
then along the minor arc of a circle of 160.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 10 20 53S 129 11 21E
12 26 03S 126 19 25E
VERTICAL LIMITS: SFC - FL285
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/WARBURTON HIGH

LATERAL LIMITS: 26 34 44S 124 00 00E, 23 23 49S 126 03 32E
23 19 20S 127 08 08E, 24 29 09S 128 06 49E
26 07 08S 128 06 49E, 28 23 26S 130 18 37E
28 47 01S 127 50 00E, 29 30 00S 125 00 00E
29 03 08S 124 01 16E, 28 03 46S 124 13 56E
26 34 44S 124 00 00E
VERTICAL LIMITS: FL285 - FL600
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/WARREGO

LATERAL LIMITS: 26 13 31S 138 23 24E, 23 10 00S 137 00 50E
23 10 00S 140 46 17E, 22 08 25S 142 57 53E
21 43 42S 143 53 44E, 21 43 33S 145 25 58E
22 01 17S 145 47 51E, 22 58 59S 145 52 31E
25 50 45S 147 30 00E, 29 08 07S 147 42 57E
29 20 27S 146 46 41E, 29 00 00S 146 32 00E
29 00 00S 143 30 00E, 26 13 31S 138 23 24E
VERTICAL LIMITS: FL285 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/WERRIS

LATERAL LIMITS: 31 18 50S 150 17 48E, 30 14 19S 151 31 13E
30 26 19S 151 40 09E, 30 27 43S 151 42 08E
31 38 06S 150 29 05E, 31 24 47S 150 21 17E
31 18 50S 150 17 48E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/WILLIS

LATERAL LIMITS: 14 25 18S 145 05 11E, 12 00 05S 144 42 11E
12 00 00S 148 34 24E, 16 09 59S 151 06 21E
16 58 17S 151 04 31E, 16 51 30S 147 28 40E
14 44 19S 147 08 50E,
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 14 25 18S 145 05 11E
VERTICAL LIMITS: SFC - FL285
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/WOLLONGONG A

LATERAL LIMITS: 34 38 50S 149 48 48E, 34 20 25S 150 24 50E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 41 07S 151 02 28E
34 43 56S 151 00 00E, 34 56 07S 150 59 57E
then along the minor arc of a circle of 23.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 35 19 57S 150 34 29E
35 44 49S 150 37 09E, 35 25 48S 149 38 33E
35 20 06S 149 48 12E,
then along the minor arc of a circle of 30.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 54 58S 149 36 46E
34 42 04S 149 51 19E,
then along the minor arc of a circle of 80.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 38 50S 149 48 48E
VERTICAL LIMITS: 8500 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/WOLLONGONG B

LATERAL LIMITS: 35 08 52S 149 20 57E, 34 54 58S 149 36 46E
then along the minor arc of a circle of 30.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 35 20 06S 149 48 12E
35 25 48S 149 38 33E, 35 44 49S 150 37 09E
35 19 57S 150 34 29E,
then along the minor arc of a circle of 23.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 34 56 07S 150 59 57E
34 43 56S 151 00 00E, 34 41 07S 151 02 28E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 28 18S 151 49 23E
35 18 59S 152 55 50E,
then along the minor arc of a circle of 120.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 36 56 43S 150 45 03E
36 36 46S 150 42 49E,
then along the minor arc of a circle of 100.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 35 51 25S 148 49 18E
35 45 49S 149 01 48E, 35 25 40S 149 03 37E
then along the minor arc of a circle of 11.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 35 17 41S 148 58 21E
then along the minor arc of a circle of 11.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 35 08 52S 149 20 57E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/WOLLONGONG C

LATERAL LIMITS: 35 44 49S 150 37 09E, 35 19 57S 150 34 29E
then along the minor arc of a circle of 23.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 34 56 07S 150 59 57E
34 43 56S 151 00 00E, 34 41 07S 151 02 28E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 28 18S 151 49 23E
35 18 59S 152 55 50E,
then along the minor arc of a circle of 120.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 36 56 43S 150 45 03E
35 44 49S 150 37 09E
VERTICAL LIMITS: FL180 - FL245

HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/WOLLONGONG/SYDNEY CAP

LATERAL LIMITS: 33 54 32S 150 52 59E, 33 45 05S 150 54 00E
33 41 05S 150 59 53E,
then along the minor arc of a circle of 11.00NM radius centred on
33 36 27S 150 47 56E (RIC/TAC) to 33 39 38S 151 00 33E
33 41 44S 151 13 41E,
then along the minor arc of a circle of 15.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 47 47S 151 25 27E
then along the minor arc of a circle of 15.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 07 10S 151 23 39E
34 28 18S 151 49 23E,
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 20 25S 150 24 50E
34 04 29S 150 55 30E,
then along the minor arc of a circle of 15.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 54 32S 150 52 59E
VERTICAL LIMITS: FL280 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/WONGAN

LATERAL LIMITS: 31 21 14S 116 05 19E, 30 28 14S 116 18 03E
then along the minor arc of a circle of 90.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 23 02S 117 35 24E
31 35 00S 117 09 27E, 31 42 10S 116 53 44E
31 48 43S 116 38 48E,
then along the minor arc of a circle of 36.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 21 14S 116 05 19E
VERTICAL LIMITS: Base of CTA - FL600
CONTROLLING AUTHORITY: Airservices Australia

YMMM/WONGAN CAP

LATERAL LIMITS: 31 45 52S 115 59 56E, 31 21 14S 116 05 19E
then along the minor arc of a circle of 36.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 48 43S 116 38 48E
32 00 10S 116 24 35E, 31 56 45S 116 10 30E
then along the minor arc of a circle of 11.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 45 52S 115 59 56E
VERTICAL LIMITS: FL245 - FL600
CONTROLLING AUTHORITY: Airservices Australia

YMMM/WONTHAGGI A

LATERAL LIMITS: 38 19 34S 144 53 53E, 38 08 38S 144 40 49E
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 47 08S 145 27 08E
37 58 46S 146 28 34E,
then along the minor arc of a circle of 80.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 27 32S 146 11 41E
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 38 44 00S 146 27 40E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 39 18 49S 145 07 33E
39 08 42S 145 07 34E, 38 30 58S 145 07 38E
38 19 34S 144 53 53E
VERTICAL LIMITS: 8500 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/WONTHAGGI B

LATERAL LIMITS: 38 27 32S 146 11 41E,
then along the minor arc of a circle of 80.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 58 46S 146 28 34E
38 03 16S 146 53 14E,
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 44 00S 146 27 40E
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 38 27 32S 146 11 41E
VERTICAL LIMITS: FL180 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/WONTHAGGI C

LATERAL LIMITS: 38 46 14S 143 15 50E, 38 08 36S 144 21 49E
38 00 33S 144 23 23E,
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 08 38S 144 40 49E
38 19 34S 144 53 53E, 38 30 58S 145 07 38E
39 08 42S 145 07 34E, 39 18 49S 145 07 33E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 46 14S 143 15 50E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/WONTHAGGI CAP

LATERAL LIMITS: 38 00 33S 144 23 23E, 37 47 27S 144 42 42E
then along the minor arc of a circle of 10.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 42 20S 145 02 39E
37 47 08S 145 27 08E,
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 00 33S 144 23 23E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/WONTHAGGI D

LATERAL LIMITS: 39 18 49S 145 07 33E,
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 44 00S 146 27 40E
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 38 55 15S 147 19 54E
39 19 33S 147 33 51E,
then along the minor arc of a circle of 162.50NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 40 00 00S 146 35 49E
40 00 00S 145 12 01E, 39 47 36S 145 07 30E
39 18 49S 145 07 33E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/WONTHAGGI E

LATERAL LIMITS: 38 03 16S 146 53 14E, 38 05 56S 147 08 58E
38 12 41S 148 11 47E,
then along the minor arc of a circle of 162.60NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 39 19 33S 147 33 51E
38 55 15S 147 19 54E,
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 38 44 00S 146 27 40E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 03 16S 146 53 14E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/WOOMERA

LATERAL LIMITS: 31 35 00S 135 25 00E, 29 43 37S 133 18 18E
29 05 21S 136 39 00E, 29 00 00S 136 49 51E
28 00 00S 138 00 00E, 26 13 31S 138 23 24E
28 01 21S 141 37 47E, 29 00 00S 143 30 00E
29 53 53S 142 40 54E, 31 00 00S 142 48 44E
31 47 54S 143 31 00E, 33 00 00S 143 31 00E
33 20 34S 140 34 10E,
then along the minor arc of a circle of 140.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 32 52 09S 139 48 32E
32 09 50S 137 26 18E,
then along the minor arc of a circle of 20.00NM radius centred on
32 28 40S 137 18 14E (OJJAY/WPT) to 32 10 04S 137 09 27E
32 25 12S 136 24 36E, 31 35 00S 135 25 00E
VERTICAL LIMITS: FL285 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/YARROWEE A

LATERAL LIMITS: 36 59 41S 144 24 23E,
then along the minor arc of a circle of 45.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 54 35S 144 52 52E
37 09 36S 144 52 04E,
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 12 17S 144 34 54E
36 59 41S 144 24 23E
VERTICAL LIMITS: 7500 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/YARROWEE B

LATERAL LIMITS: 38 01 46S 144 01 04E,
then along the minor arc of a circle of 45.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 59 41S 144 24 23E
37 12 17S 144 34 54E,
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 54 04S 144 17 22E
38 01 46S 144 01 04E
VERTICAL LIMITS: 8500 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/YARROWEE C

LATERAL LIMITS: 38 29 36S 143 00 48E,
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 08 13S 145 41 28E
36 51 13S 144 53 03E, 36 54 35S 144 52 52E
then along the minor arc of a circle of 45.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 01 46S 144 01 04E
38 29 36S 143 00 48E
VERTICAL LIMITS: 8500 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/YARROWEE CAP

LATERAL LIMITS: 37 47 27S 144 42 42E, 38 00 33S 144 23 23E
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 09 36S 144 52 04E
37 29 36S 144 50 58E,
then along the minor arc of a circle of 10.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 47 27S 144 42 42E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/YARROWEE D

LATERAL LIMITS: 38 29 36S 143 00 48E, 37 54 04S 144 17 22E
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 00 33S 144 23 23E
38 08 36S 144 21 49E, 38 46 14S 143 15 50E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 29 36S 143 00 48E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

SECTION 11 – E AIRSPACE FREQUENCY BOUNDARIES

YMMM/AVALON EFREQUENCY 133.55A

LATERAL LIMITS: 38 08 36S 144 21 49E, 37 54 54S 144 24 29E
then along the minor arc of a circle of 8.00NM radius centred on
38 02 22S 144 28 10E (YMAV/AD) to 37 59 14S 144 37 29E
38 07 22S 144 36 05E,
then along the minor arc of a circle of 8.00NM radius centred on
38 02 22S 144 28 10E (YMAV/AD) to 38 08 36S 144 21 49E
VERTICAL LIMITS: SFC - 1500
CONTROLLING AUTHORITY: Airservices Australia

YMMM/AVALON EFREQUENCY 133.55B

LATERAL LIMITS: 38 13 43S 144 20 49E, 37 51 04S 144 25 13E
then along the minor arc of a circle of 12.00NM radius centred on
38 02 57S 144 27 33E (AV/DME) to 37 55 00S 144 38 57E
37 55 26S 144 38 08E, 38 07 22S 144 36 05E
then along the minor arc of a circle of 8.00NM radius centred on
38 02 22S 144 28 10E (YMAV/AD) to 38 09 07S 144 33 38E
38 12 47S 144 36 17E,
then along the minor arc of a circle of 12.00NM radius centred on
38 02 57S 144 27 33E (AV/DME) to 38 13 43S 144 20 49E
VERTICAL LIMITS: 1500 - 4500
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 118.1

LATERAL LIMITS: 19 00 00S 131 30 00E, 17 10 35S 131 30 00E
16 55 10S 131 36 45E,
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 15 52 37S 134 33 14E
18 00 00S 135 00 00E, 19 00 00S 131 30 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 118.2

LATERAL LIMITS: 16 03 03S 143 16 41E, 15 30 25S 141 43 29E
15 00 00S 140 00 00E, 14 00 00S 140 00 00E
14 00 00S 142 00 00E, 12 40 00S 144 00 00E
12 00 00S 144 00 00E, 12 00 05S 144 42 11E
14 25 18S 145 05 11E,
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 03 03S 143 16 41E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 118.2

LATERAL LIMITS: 16 42 00S 126 28 00E, 19 58 17S 126 29 43E
18 42 49S 129 32 58E, 17 23 39S 128 42 09E
17 02 40S 128 28 50E, 16 42 00S 126 28 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 118.6

LATERAL LIMITS: 19 05 23S 140 05 10E, 19 22 34S 140 36 52E
then along the minor arc of a circle of 100.00NM radius centred on
20 39 53S 139 29 09E (MA/DME) to 20 01 56S 141 07 40E
19 05 00S 142 50 00E, 18 17 48S 143 50 32E
16 57 54S 143 08 22E,
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 03 03S 143 16 41E
15 30 25S 141 43 29E, 15 18 31S 141 02 36E
19 05 23S 140 05 10E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE EFREQUENCY 118.8

LATERAL LIMITS: 27 24 44S 140 30 09E, 29 00 00S 143 30 00E
29 00 00S 144 25 00E, 25 30 00S 144 30 00E
25 30 00S 143 40 00E, 24 44 01S 142 00 32E
27 24 44S 140 30 09E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE EFREQUENCY 118.9

LATERAL LIMITS: 23 21 56S 126 31 34E, 19 58 17S 126 29 43E
18 42 49S 129 32 58E, 19 00 00S 130 00 00E
19 00 00S 131 30 00E, 21 12 32S 131 55 06E
21 12 09S 131 50 24E, 23 13 13S 128 27 49E
23 21 56S 126 31 34E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE EFREQUENCY 118.95

LATERAL LIMITS: 27 20 00S 147 35 45E, 27 20 00S 149 44 22E
28 18 47S 149 49 52E, 28 47 21S 149 58 48E
29 00 00S 149 00 00E, 29 08 07S 147 42 57E
29 20 27S 146 46 41E, 29 00 00S 146 32 00E
28 03 12S 147 05 18E, 27 20 00S 147 35 45E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 119.55A1

LATERAL LIMITS: 22 48 42S 149 09 24E, 22 28 48S 149 35 00E
22 21 30S 149 51 54E, 22 14 32S 150 00 42E
22 17 00S 150 12 00E, 22 15 00S 150 20 00E
22 12 34S 150 25 27E, 22 06 00S 150 30 00E
22 06 00S 150 32 06E, 24 07 58S 152 00 48E
24 09 23S 151 52 49E, 24 30 37S 151 00 24E
25 01 14S 150 38 18E, 24 38 10S 150 20 30E
23 10 00S 149 35 00E, 23 05 40S 149 20 16E
22 48 42S 149 09 24E
VERTICAL LIMITS: 8500 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 119.55A2

LATERAL LIMITS: 22 06 00S 150 32 06E, 22 06 00S 150 45 00E
21 59 16S 151 02 01E, 22 34 10S 151 35 12E
23 57 39S 152 57 47E, 24 07 58S 152 00 48E
22 06 00S 150 32 06E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 119.8

LATERAL LIMITS: 19 05 00S 142 50 00E, 18 17 48S 143 50 32E
18 49 22S 144 07 24E, 19 25 53S 144 27 04E
20 11 58S 144 53 36E, 21 26 57S 145 46 28E
21 51 14S 145 35 26E, 21 43 33S 145 25 58E
21 43 42S 143 53 44E, 19 05 00S 142 50 00E

VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 120.15

LATERAL LIMITS: 18 20 13S 145 29 46E,
then along the minor arc of a circle of 90.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 45 42S 144 10 59E
16 47 15S 144 36 58E,
then along the major arc of a circle of 65.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 48 12S 146 52 21E
16 51 05S 147 18 30E,
then along the minor arc of a circle of 90.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 17 45 21S 146 59 48E
18 20 13S 145 29 46E
VERTICAL LIMITS: 8500 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 120.15

LATERAL LIMITS: 16 48 12S 146 52 21E,
then along the major arc of a circle of 65.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 47 15S 144 36 58E
16 48 09S 144 52 36E,
then along the major arc of a circle of 50.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 46 25S 146 36 33E
16 48 12S 146 52 21E
VERTICAL LIMITS: 8500 - FL125
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 120.15

LATERAL LIMITS: 16 45 42S 144 10 59E,
then along the minor arc of a circle of 90.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 18 20 13S 145 29 46E
18 34 39S 144 46 06E, 18 17 48S 143 50 32E
16 57 54S 143 08 22E,
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 41 46S 143 08 34E
16 45 42S 144 10 59E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 120.15E

LATERAL LIMITS: 16 51 05S 147 18 30E, 16 51 30S 147 28 40E
17 31 28S 147 34 59E, 17 45 21S 146 59 48E
then along the minor arc of a circle of 90.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 51 05S 147 18 30E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 120.3B

LATERAL LIMITS: 11 36 30S 140 00 00E, 09 50 00S 139 40 00E
09 50 00S 141 00 00E, 09 37 00S 141 01 06E
09 15 42S 142 03 30E,
then along QLD/PNG border to 09 19 24S 142 48 18E
09 08 00S 143 52 30E, 09 24 00S 144 14 00E
09 56 34S 144 05 21E,
then along the Barrier Reef to 11 30 00S 144 01 36E
11 30 00S 141 30 00E, 11 36 30S 140 00 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 120.55A1

LATERAL LIMITS: 18 20 13S 145 29 46E, 17 45 21S 146 59 48E
then along the major arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 18 20 13S 145 29 46E
VERTICAL LIMITS: 8500 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 120.55A2

LATERAL LIMITS: 18 26 56S 148 06 03E, 19 21 25S 148 42 02E
19 22 01S 148 20 20E,
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 18 26 56S 148 06 03E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 120.55A3

LATERAL LIMITS: 17 45 21S 146 59 48E, 17 31 28S 147 34 59E
18 00 30S 147 39 36E,
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 17 45 21S 146 59 48E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 120.55A4

LATERAL LIMITS: 18 17 48S 143 50 32E, 18 34 39S 144 46 06E
18 20 13S 145 29 46E,
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 20 37 58S 146 08 32E
21 26 57S 145 46 28E, 20 11 58S 144 53 36E
19 25 53S 144 27 04E, 18 49 22S 144 07 24E
18 17 48S 143 50 32E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 120.55B

LATERAL LIMITS: 30 41 52S 152 02 20E, 30 49 08S 152 20 33E
30 57 56S 152 06 42E,
then along the minor arc of a circle of 65.00NM radius centred on
30 19 10S 153 07 16E (CFS/DME) to 31 24 18S 153 05 25E
31 09 16S 153 05 46E, 31 08 07S 153 18 23E
32 53 01S 152 26 31E, 32 50 05S 152 03 59E
32 40 49S 151 34 15E, 32 36 02S 151 23 51E
32 27 28S 151 05 59E, 31 26 47S 151 33 04E
30 41 52S 152 02 20E
VERTICAL LIMITS: 8500 - FL125
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 120.75

LATERAL LIMITS: 14 20 14S 123 37 52E, 15 44 06S 125 02 06E
15 56 48S 125 15 00E, 16 42 00S 126 28 00E
13 50 06S 128 23 06E,
then along the minor arc of a circle of 170.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 39 55S 128 01 11E
12 26 03S 126 19 25E, 14 20 14S 123 37 52E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 122.1

LATERAL LIMITS: 14 20 14S 123 37 52E, 16 11 05S 120 55 45E
18 15 00S 123 50 00E, 16 42 00S 126 28 00E
15 56 48S 125 15 00E, 15 44 06S 125 02 06E
14 20 14S 123 37 52E
VERTICAL LIMITS: FL180 - FL245

CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 122.1

LATERAL LIMITS: 14 00 00S 142 00 00E, 14 00 00S 140 00 00E
11 36 30S 140 00 00E, 11 30 00S 141 30 00E
11 30 00S 144 01 36E, 11 43 30S 144 04 20E
12 00 00S 144 00 00E, 12 40 00S 144 00 00E
14 00 00S 142 00 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE EFREQUENCY 122.1

LATERAL LIMITS: 19 00 00S 131 30 00E, 21 11 04S 131 54 49E
21 12 32S 131 55 06E, 21 29 59S 136 19 44E
20 43 56S 136 14 02E, 19 01 14S 137 40 20E
18 00 00S 135 00 00E, 19 00 00S 131 30 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 122.1

LATERAL LIMITS: 23 10 00S 140 46 17E, 24 44 01S 142 00 32E
25 30 00S 143 40 00E, 25 30 00S 144 30 00E
24 19 19S 146 37 29E, 22 58 59S 145 52 31E
22 01 17S 145 47 51E, 21 43 33S 145 25 58E
21 43 42S 143 53 44E, 22 08 25S 142 57 53E
23 10 00S 140 46 17E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 122.2

LATERAL LIMITS: 13 56 01S 134 52 50E, 13 13 33S 135 58 00E
13 13 21S 136 00 00E, 13 00 48S 137 56 54E
13 00 00S 139 00 00E, 14 00 00S 140 00 00E
15 00 00S 140 00 00E, 14 56 29S 138 52 36E
15 08 36S 138 20 42E, 15 42 12S 137 12 54E
16 35 57S 137 10 56E, 15 46 48S 136 30 51E
14 42 16S 134 56 58E,
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 13 56 01S 134 52 50E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 122.3A1

LATERAL LIMITS: 21 51 14S 145 35 26E, 21 26 57S 145 46 28E
21 43 30S 146 06 56E, 22 23 44S 147 26 16E
22 47 31S 147 32 14E, 23 20 00S 148 00 00E
23 14 43S 148 51 18E, 23 36 36S 148 43 03E
24 20 45S 149 15 29E, 24 30 23S 149 04 48E
25 12 58S 149 31 28E, 25 27 29S 148 33 20E
25 12 04S 147 07 36E, 22 58 59S 145 52 31E
22 01 17S 145 47 51E, 21 51 14S 145 35 26E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 122.3A2

LATERAL LIMITS: 22 23 44S 147 26 16E, 22 33 00S 147 44 50E
22 52 45S 148 17 40E, 22 48 42S 149 09 24E
23 05 40S 149 20 16E, 23 10 00S 149 35 00E
23 46 09S 149 53 31E, 24 20 45S 149 15 29E
23 36 36S 148 43 03E, 23 14 43S 148 51 18E
23 20 00S 148 00 00E, 22 47 31S 147 32 14E
22 23 44S 147 26 16E
VERTICAL LIMITS: 8500 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE EFREQUENCY 122.4

LATERAL LIMITS: 20 43 56S 136 14 02E, 21 51 32S 136 22 25E
22 17 51S 136 38 07E, 23 10 00S 137 00 50E
23 10 00S 140 46 17E, 22 29 26S 140 14 56E
21 34 00S 140 09 00E, 21 10 15S 140 42 28E
then along the minor arc of a circle of 75.00NM radius centred on
20 39 53S 139 29 09E (MA/DME) to 20 14 40S 140 44 24E
20 01 56S 141 07 40E,
then along the minor arc of a circle of 100.00NM radius centred on
20 39 53S 139 29 09E (MA/DME) to 19 22 34S 140 36 52E
19 05 23S 140 05 10E, 19 01 14S 137 40 20E
20 43 56S 136 14 02E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 122.4

LATERAL LIMITS: 13 50 06S 128 23 06E, 16 42 00S 126 28 00E
17 02 40S 128 28 50E, 17 23 39S 128 42 09E
16 00 30S 130 17 39E,
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 15 15 20S 129 54 33E
15 05 44S 129 54 21E,
then along the minor arc of a circle of 170.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 13 50 06S 128 23 06E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 122.6

LATERAL LIMITS: 15 05 44S 129 54 21E,
then along the minor arc of a circle of 170.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 14 59 01S 132 10 37E
then along the major arc of a circle of 30.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 14 10 15S 132 44 50E
then along the minor arc of a circle of 150.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 13 38 37S 133 08 41E
13 48 19S 133 40 00E, 13 51 23S 133 57 09E
13 56 01S 134 52 50E,
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 15 15 20S 129 54 33E
15 05 44S 129 54 21E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 123.0

LATERAL LIMITS: 26 41 15S 151 01 54E,
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 01 51S 151 28 21E
26 21 06S 151 54 05E,
then along the minor arc of a circle of 90.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 04 31S 154 00 00E
26 37 23S 154 00 00E, 26 47 12S 153 48 43E
then along the minor arc of a circle of 50.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 05 15S 152 15 28E
26 41 15S 151 01 54E
VERTICAL LIMITS: 8500 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 123.4

LATERAL LIMITS: 09 50 00S 131 35 58E, 09 50 00S 136 00 00E
13 13 21S 136 00 00E, 13 13 33S 135 58 00E
13 56 01S 134 52 50E,

then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 13 31 12S 134 44 11E
12 12 02S 133 27 00E,
then along the minor arc of a circle of 150.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 11 27 44S 133 15 45E
then along the minor arc of a circle of 150.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 10 01 27S 131 39 32E
09 48 39S 131 30 25E, 09 50 00S 131 35 58E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 123.4A

LATERAL LIMITS: 33 06 18S 150 43 56E, 32 31 57S 150 33 47E
then along the minor arc of a circle of 90.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 32 26 34S 151 04 08E
32 27 28S 151 05 59E, 32 36 02S 151 23 51E
32 47 28S 151 24 14E, 33 02 10S 151 21 17E
then along the minor arc of a circle of 55.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 06 18S 150 43 56E
VERTICAL LIMITS: 8500 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 123.7

LATERAL LIMITS: 16 00 30S 130 17 39E, 17 23 39S 128 42 09E
18 42 49S 129 32 58E, 19 00 00S 130 00 00E
19 00 00S 131 30 00E, 17 10 35S 131 30 00E
16 55 10S 131 36 45E,
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 16 00 30S 130 17 39E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 123.8

LATERAL LIMITS: 16 47 15S 144 36 58E,
then along the minor arc of a circle of 65.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 48 12S 146 52 21E
16 46 25S 146 36 33E,
then along the minor arc of a circle of 50.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 48 09S 144 52 36E
16 47 15S 144 36 58E
VERTICAL LIMITS: 8500 - FL125
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 123.8

LATERAL LIMITS: 16 41 46S 143 08 34E,
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 14 44 19S 147 08 50E
16 51 30S 147 28 40E, 16 51 05S 147 18 30E
then along the minor arc of a circle of 90.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 45 42S 144 10 59E
16 41 46S 143 08 34E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 123.8

LATERAL LIMITS: 16 45 42S 144 10 59E,
then along the minor arc of a circle of 90.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 51 05S 147 18 30E
16 48 12S 146 52 21E,
then along the minor arc of a circle of 65.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 47 15S 144 36 58E
16 45 42S 144 10 59E
VERTICAL LIMITS: 8500 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 123.95

LATERAL LIMITS: 21 34 00S 140 09 00E, 22 29 26S 140 14 56E
23 10 00S 140 46 17E, 22 08 25S 142 57 53E
21 43 42S 143 53 44E, 19 05 00S 142 50 00E
20 01 56S 141 07 40E, 20 14 40S 140 44 24E
then along the minor arc of a circle of 75.00NM radius centred on
20 39 53S 139 29 09E (MA/DME) to 21 10 15S 140 42 28E
21 34 00S 140 09 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 123.95A1

LATERAL LIMITS: 25 20 31S 150 00 00E, 25 14 46S 150 48 49E
25 57 04S 151 21 59E, 26 01 51S 151 28 21E
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 41 15S 151 01 54E
25 20 31S 150 00 00E
VERTICAL LIMITS: 8500 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 123.95A2

LATERAL LIMITS: 25 20 31S 150 00 00E, 26 41 15S 151 01 54E
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 29 54S 151 16 32E
28 47 21S 149 58 48E, 28 18 47S 149 49 52E
27 20 00S 149 44 22E, 27 01 32S 149 42 40E
25 57 03S 150 00 00E, 25 20 31S 150 00 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE EFREQUENCY 123.95B

LATERAL LIMITS: 17 37 11S 118 45 34E, 16 11 05S 120 55 45E
18 15 00S 123 50 00E, 20 30 00S 123 50 00E
20 54 02S 123 18 47E, 20 03 18S 121 40 22E
19 00 00S 120 15 00E, 17 37 11S 118 45 34E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 124.1

LATERAL LIMITS: 13 56 01S 134 52 50E, 13 51 23S 133 57 09E
13 48 19S 133 40 00E, 13 38 37S 133 08 41E
then along the minor arc of a circle of 150.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 12 02S 133 27 00E
13 31 12S 134 44 11E,
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 13 56 01S 134 52 50E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 124.1A1

LATERAL LIMITS: 25 01 14S 150 38 18E, 24 30 37S 151 00 24E
24 09 23S 151 52 49E, 24 07 58S 152 00 48E
25 08 01S 152 45 45E, 25 24 42S 152 15 54E
25 57 04S 151 21 59E, 25 01 14S 150 38 18E
VERTICAL LIMITS: 8500 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 124.1A2

LATERAL LIMITS: 24 07 58S 152 00 48E, 23 57 39S 152 57 47E
24 58 55S 154 00 00E, 25 00 00S 153 00 00E
25 08 01S 152 45 45E, 24 07 58S 152 00 48E

VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 124.6B1

LATERAL LIMITS: 25 57 04S 151 21 59E, 25 24 42S 152 15 54E
25 08 01S 152 45 45E, 25 52 15S 153 19 26E
then along the minor arc of a circle of 90.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 21 06S 151 54 05E
25 57 04S 151 21 59E
VERTICAL LIMITS: 8500 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 124.6B2

LATERAL LIMITS: 25 08 01S 152 45 45E, 25 00 00S 153 00 00E
24 58 55S 154 00 00E,
then along the minor arc of a circle of 150.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 25 06 43S 154 21 26E
25 45 00S 154 00 00E, 26 04 31S 154 00 00E
then along the minor arc of a circle of 90.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 25 52 15S 153 19 26E
25 08 01S 152 45 45E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE EFREQUENCY 124.8

LATERAL LIMITS: 18 15 00S 123 50 00E, 16 42 00S 126 28 00E
23 21 56S 126 31 34E, 23 23 49S 126 03 32E
21 31 19S 124 33 04E, 20 54 02S 123 18 47E
20 30 00S 123 50 00E, 18 15 00S 123 50 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 124.8

LATERAL LIMITS: 31 36 02S 151 09 06E, 31 33 49S 151 29 57E
32 27 28S 151 05 59E, 32 26 34S 151 04 08E
then along the minor arc of a circle of 90.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 32 31 57S 150 33 47E
32 09 51S 150 31 51E, 32 04 00S 150 45 26E
31 48 47S 150 43 44E,
then along the minor arc of a circle of 45.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 44 02S 151 13 59E
31 36 02S 151 09 06E
VERTICAL LIMITS: 8500 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 124.8A

LATERAL LIMITS: 31 50 00S 150 30 07E, 31 39 33S 150 42 42E
32 04 00S 150 45 26E, 32 09 51S 150 31 51E
31 50 00S 150 30 07E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE EFREQUENCY 124.8B

LATERAL LIMITS: 25 30 00S 144 30 00E, 24 19 19S 146 37 29E
25 50 45S 147 30 00E, 27 20 00S 147 35 45E
28 03 12S 147 05 18E, 29 00 00S 146 32 00E
29 00 00S 144 25 00E, 25 30 00S 144 30 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 125.0

LATERAL LIMITS: 13 13 21S 136 00 00E, 09 50 00S 136 00 00E
09 50 00S 139 40 00E, 11 36 30S 140 00 00E
14 00 00S 140 00 00E, 13 00 00S 139 00 00E
13 00 48S 137 56 54E, 13 13 21S 136 00 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE EFREQUENCY 125.4

LATERAL LIMITS: 23 10 00S 137 00 50E, 26 13 31S 138 23 24E
27 24 44S 140 30 09E, 24 44 01S 142 00 32E
23 10 00S 140 46 17E, 23 10 00S 137 00 50E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 125.7

LATERAL LIMITS: 15 42 12S 137 12 54E, 15 08 36S 138 20 42E
14 56 29S 138 52 36E, 15 00 00S 140 00 00E
15 18 31S 141 02 36E, 19 05 23S 140 05 10E
19 01 14S 137 40 20E, 17 20 18S 137 09 18E
15 42 12S 137 12 54E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 125.75

LATERAL LIMITS: 29 49 03S 151 12 35E, 30 26 19S 151 40 09E
30 28 21S 151 43 02E, 30 41 52S 152 02 20E
31 26 47S 151 33 04E, 31 33 49S 151 29 57E
31 36 02S 151 09 06E, 31 24 29S 151 02 04E
then along the minor arc of a circle of 23.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 09 51S 151 15 43E
31 07 51S 151 06 41E,
then along the minor arc of a circle of 15.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 30 48 57S 150 49 46E
30 25 04S 150 52 26E, 29 49 03S 151 12 35E
VERTICAL LIMITS: 8500 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 126.0

LATERAL LIMITS: 25 12 04S 147 07 36E, 25 27 29S 148 33 20E
25 12 58S 149 31 28E, 25 20 31S 150 00 00E
25 57 03S 150 00 00E, 27 01 32S 149 42 40E
27 20 00S 149 44 22E, 27 20 00S 147 35 45E
25 50 45S 147 30 00E, 25 12 04S 147 07 36E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE EFREQUENCY 127.1

LATERAL LIMITS: 29 00 00S 149 00 00E, 28 29 54S 151 16 32E
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 58 42S 151 47 37E
29 19 33S 151 28 53E, 30 25 04S 150 52 26E
30 48 57S 150 49 46E,
then along the minor arc of a circle of 15.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 18 48S 150 46 50E
31 39 33S 150 42 42E, 31 50 00S 150 30 07E
31 55 50S 150 30 38E, 32 00 00S 150 18 00E
32 21 54S 149 10 09E, 32 05 40S 148 49 51E
29 20 27S 146 46 41E, 29 08 07S 147 42 57E
29 00 00S 149 00 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 128.5

LATERAL LIMITS: 15 52 37S 134 33 14E,
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 14 42 16S 134 56 58E
15 46 48S 136 30 51E, 16 35 57S 137 10 56E
17 20 18S 137 09 18E, 19 01 14S 137 40 20E
18 00 00S 135 00 00E, 15 52 37S 134 33 14E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 128.55A

LATERAL LIMITS: 20 43 43S 147 01 35E,
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 20 33 52S 147 31 25E
22 35 15S 149 26 43E, 22 48 42S 149 09 24E
22 52 45S 148 17 40E, 22 33 00S 147 44 50E
22 23 44S 147 26 16E, 20 43 43S 147 01 35E
VERTICAL LIMITS: 8500 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 128.55B

LATERAL LIMITS: 20 37 58S 146 08 32E,
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 20 43 43S 147 01 35E
22 23 44S 147 26 16E, 21 43 30S 146 06 56E
21 26 57S 145 46 28E, 20 37 58S 146 08 32E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE EFREQUENCY 128.6

LATERAL LIMITS: 34 28 18S 151 49 23E, 35 18 59S 152 55 50E
then along the minor arc of a circle of 120.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 36 13 36S 152 25 23E
36 29 26S 153 48 37E,
then along the minor arc of a circle of 200.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 31 07 50S 153 18 31E
31 24 14S 153 10 33E, 32 53 01S 152 26 31E
33 30 06S 151 54 31E,
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 28 18S 151 49 23E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 129.85

LATERAL LIMITS: 12 26 03S 126 19 25E, 10 20 53S 129 11 21E
then along the minor arc of a circle of 160.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 09 48 39S 131 30 25E
10 01 27S 131 39 32E,
then along the minor arc of a circle of 150.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 14 10 15S 132 44 50E
then along the major arc of a circle of 30.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 14 59 01S 132 10 37E
then along the minor arc of a circle of 170.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 39 55S 128 01 11E
12 26 03S 126 19 25E
VERTICAL LIMITS: Base of CTA - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 130.1

LATERAL LIMITS: 30 41 52S 152 02 20E, 30 49 08S 152 20 33E
30 57 56S 152 06 42E,
then along the minor arc of a circle of 65.00NM radius centred on
30 19 10S 153 07 16E (CFS/DME) to 31 24 18S 153 05 25E
31 09 16S 153 05 46E, 31 08 07S 153 18 23E
32 53 01S 152 26 31E, 32 50 05S 152 03 59E
32 40 49S 151 34 15E, 32 36 02S 151 23 51E
32 27 28S 151 05 59E, 31 26 47S 151 33 04E
30 41 52S 152 02 20E
VERTICAL LIMITS: FL125 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 130.4

LATERAL LIMITS: 28 19 11S 152 22 38E, 28 06 25S 152 33 50E
then along the minor arc of a circle of 50.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 26 13S 152 36 35E
then along the minor arc of a circle of 70.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 19 11S 152 22 38E
VERTICAL LIMITS: 8500 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 132.35

LATERAL LIMITS: 32 36 02S 151 23 51E, 32 40 49S 151 34 15E
32 50 05S 152 03 59E, 32 53 01S 152 26 31E
33 21 40S 152 01 50E,
then along the minor arc of a circle of 55.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 02 10S 151 21 17E
32 47 28S 151 24 14E, 32 36 02S 151 23 51E
VERTICAL LIMITS: 8500 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE EFREQUENCY 133.05A

LATERAL LIMITS: 32 33 39S 149 35 37E, 32 09 51S 150 31 51E
32 31 57S 150 33 47E, 33 16 11S 150 46 53E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 25 35S 150 31 41E
32 37 32S 149 29 53E, 32 33 39S 149 35 37E
VERTICAL LIMITS: 8500 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE EFREQUENCY 133.05B

LATERAL LIMITS: 32 21 54S 149 10 09E, 32 00 00S 150 18 00E
31 55 50S 150 30 38E, 32 09 51S 150 31 51E
32 33 39S 149 35 37E, 32 37 32S 149 29 53E
32 21 54S 149 10 09E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 134.2

LATERAL LIMITS: 29 49 03S 151 12 35E, 29 19 33S 151 28 53E
28 19 11S 152 22 38E,
then along the minor arc of a circle of 70.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 26 13S 152 36 35E
then along the minor arc of a circle of 50.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 55 26S 153 54 34E
30 40 20S 153 31 46E, 31 08 07S 153 18 23E
31 09 16S 153 05 46E, 31 24 18S 153 05 25E
then along the minor arc of a circle of 65.00NM radius centred on
30 19 10S 153 07 16E (CFS/DME) to 30 57 56S 152 06 42E
30 49 08S 152 20 33E, 30 41 52S 152 02 20E
30 26 19S 151 40 09E, 29 49 03S 151 12 35E
VERTICAL LIMITS: 8500 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 134.3B

LATERAL LIMITS: 25 45 00S 154 00 00E, 25 06 43S 154 21 26E
then along the minor arc of a circle of 150.00NM radius centred on

27 21 57S 153 08 21E (BN/DME) to 29 49 13S 153 42 58E
28 29 50S 154 00 00E, 27 44 36S 154 00 00E
27 44 06S 153 58 50E,
then along the minor arc of a circle of 50.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 47 12S 153 48 43E
26 37 23S 154 00 00E, 25 45 00S 154 00 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 135.3A1

LATERAL LIMITS: 24 30 23S 149 04 48E, 24 20 45S 149 15 29E
25 20 30S 150 00 07E, 25 20 31S 150 00 00E
25 12 58S 149 31 28E, 24 30 23S 149 04 48E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 135.3A2

LATERAL LIMITS: 24 20 45S 149 15 29E, 23 46 09S 149 53 31E
24 38 10S 150 20 30E, 25 14 46S 150 48 49E
25 20 30S 150 00 07E, 24 20 45S 149 15 29E
VERTICAL LIMITS: 8500 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 135.5A1

LATERAL LIMITS: 20 33 52S 147 31 25E,
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 19 24 06S 148 20 08E
19 44 56S 148 57 43E, 20 38 57S 149 30 41E
22 06 00S 150 32 06E, 22 06 00S 150 30 00E
22 12 34S 150 25 27E, 22 15 00S 150 20 00E
22 17 00S 150 12 00E, 22 14 32S 150 00 42E
22 21 30S 149 51 54E, 22 28 48S 149 35 00E
22 35 15S 149 26 43E, 20 33 52S 147 31 25E
VERTICAL LIMITS: 8500 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 135.5A2

LATERAL LIMITS: 19 22 01S 148 20 20E, 19 21 25S 148 42 02E
19 44 56S 148 57 43E, 19 24 06S 148 20 08E
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 19 22 01S 148 20 20E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 135.5A3

LATERAL LIMITS: 19 44 56S 148 57 43E, 21 59 16S 151 02 01E
22 06 00S 150 45 00E, 22 06 00S 150 32 06E
20 38 57S 149 30 41E, 19 44 56S 148 57 43E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE EFREQUENCY 135.6

LATERAL LIMITS: 26 41 15S 151 01 54E, 27 05 15S 152 15 28E
then along the minor arc of a circle of 50.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 02 00S 152 34 27E
then along the minor arc of a circle of 50.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 06 25S 152 33 50E
28 58 42S 151 47 37E,
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 41 15S 151 01 54E
VERTICAL LIMITS: 8500 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 118.2

LATERAL LIMITS: 31 41 25S 117 41 40E, 31 10 07S 120 24 03E
32 18 57S 120 39 17E, 34 49 56S 120 17 22E
33 54 00S 118 31 00E, 32 55 50S 117 17 52E
then along the minor arc of a circle of 90.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 41 25S 117 41 40E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 118.4

LATERAL LIMITS: 29 18 00S 120 00 00E, 26 34 44S 124 00 00E
28 03 46S 124 13 56E, 28 35 45S 124 49 47E
29 03 08S 124 01 16E, 30 11 36S 120 11 23E
29 18 00S 120 00 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE EFREQUENCY 118.5

LATERAL LIMITS: 33 22 22S 148 22 27E, 32 37 32S 149 29 53E
33 25 34S 150 31 41E,
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 50 34S 150 17 16E
33 47 37S 149 52 55E, 33 50 51S 149 34 59E
then along the minor arc of a circle of 80.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 59 41S 149 34 44E
34 17 02S 148 27 30E, 33 22 22S 148 22 27E
VERTICAL LIMITS: 8500 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE EFREQUENCY 118.5A

LATERAL LIMITS: 32 05 40S 148 49 51E, 32 37 32S 149 29 53E
33 22 22S 148 22 27E, 34 17 02S 148 27 30E
then along the minor arc of a circle of 70.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 29 18S 148 09 16E
33 17 56S 147 48 50E, 32 56 07S 148 03 26E
32 38 09S 148 15 22E, 32 13 10S 148 34 40E
32 05 40S 148 49 51E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 118.6

LATERAL LIMITS: 35 05 00S 143 26 12E, 36 01 52S 144 23 25E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 08 13S 145 41 28E
35 22 30S 146 31 36E, 35 05 21S 146 55 21E
35 04 06S 146 56 32E, 34 51 56S 145 52 00E
34 21 00S 145 25 46E, 33 37 00S 145 29 24E
33 08 00S 144 42 00E, 33 00 00S 144 00 00E
33 00 00S 143 31 00E, 35 05 00S 143 26 12E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE EFREQUENCY 118.6A

LATERAL LIMITS: 19 38 39S 117 27 59E, 18 20 55S 116 48 24E
17 37 11S 118 45 34E, 19 00 00S 120 15 00E
19 39 17S 121 07 44E, 21 40 00S 120 18 00E
22 00 00S 118 30 00E, 22 04 45S 117 45 00E
20 36 15S 117 39 21E, 19 38 39S 117 27 59E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 118.95

LATERAL LIMITS: 28 00 14S 118 38 07E, 24 10 39S 120 40 02E
25 00 00S 121 12 00E, 26 34 44S 124 00 00E
29 18 00S 120 00 00E, 28 08 53S 118 45 26E
28 00 14S 118 38 07E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE EFREQUENCY 119.5A

LATERAL LIMITS: 28 00 00S 138 00 00E, 26 13 31S 138 23 24E
28 01 21S 141 37 47E, 29 00 00S 141 00 00E
30 30 00S 141 00 00E, 30 30 00S 139 52 57E
30 00 00S 140 00 00E, 28 40 00S 139 30 00E
28 00 00S 138 00 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 119.5A1

LATERAL LIMITS: 34 58 56S 147 40 34E, 34 51 49S 147 50 32E
35 05 05S 148 25 07E,
then along the minor arc of a circle of 40.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 35 51 58S 148 48 04E
36 07 04S 148 14 00E, 36 03 06S 147 17 40E
then along the minor arc of a circle of 16.00NM radius centred on
36 04 05S 146 57 58E (AY/DME) to 36 00 42S 147 17 15E
35 50 27S 147 50 48E,
then along the minor arc of a circle of 45.00NM radius centred on
36 04 05S 146 57 58E (AY/DME) to 35 20 30S 147 12 04E
35 48 11S 147 00 28E,
then along the minor arc of a circle of 16.00NM radius centred on
36 04 05S 146 57 58E (AY/DME) to 35 54 01S 146 42 39E
35 43 36S 146 26 55E, 35 27 14S 146 47 07E
35 16 44S 147 11 48E,
then along the minor arc of a circle of 15.00NM radius centred on
35 09 57S 147 28 08E (WG/DME) to 34 58 56S 147 40 34E
VERTICAL LIMITS: 8500 - FL125
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 119.5A2

LATERAL LIMITS: 34 57 44S 147 02 32E, 34 50 49S 147 47 58E
34 51 49S 147 50 32E, 34 58 56S 147 40 34E
then along the minor arc of a circle of 15.00NM radius centred on
35 09 57S 147 28 08E (WG/DME) to 35 16 44S 147 11 48E
35 27 14S 146 47 07E, 35 43 36S 146 26 55E
35 36 33S 146 16 20E, 35 22 30S 146 31 36E
35 05 21S 146 55 21E, 34 57 44S 147 02 32E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE EFREQUENCY 119.8

LATERAL LIMITS: 22 10 58S 130 13 35E, 21 12 09S 131 50 24E
21 12 32S 131 55 06E, 21 29 59S 136 19 44E
21 51 32S 136 22 25E, 22 17 51S 136 38 07E
25 01 04S 137 50 16E, 25 54 00S 136 43 30E
26 07 34S 136 26 07E, 25 53 07S 132 58 36E
25 11 48S 133 17 11E,
then along the minor arc of a circle of 90.00NM radius centred on
23 47 34S 133 52 42E (AS/DME) to 23 46 38S 132 14 34E
22 29 53S 130 37 07E, 22 10 58S 130 13 35E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 120.0A1

LATERAL LIMITS: 38 00 33S 144 23 23E,
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 08 38S 144 40 49E
38 19 34S 144 53 53E, 38 30 58S 145 07 38E
39 08 42S 145 07 34E, 39 18 49S 145 07 33E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 46 14S 143 15 50E
38 08 36S 144 21 49E, 38 00 33S 144 23 23E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 120.3

LATERAL LIMITS: 33 54 47S 113 48 59E, 32 23 51S 115 29 38E
then along the minor arc of a circle of 36.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 24 16S 116 24 56E
32 49 45S 117 10 21E, 32 55 50S 117 17 52E
33 54 00S 118 31 00E, 34 49 56S 120 17 22E
36 43 12S 120 00 00E, 36 25 00S 116 40 00E
35 10 52S 115 17 43E, 34 11 13S 114 13 59E
then along the minor arc of a circle of 160.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 33 54 47S 113 48 59E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE EFREQUENCY 120.75

LATERAL LIMITS: 37 35 10S 147 58 46E, 37 30 00S 149 00 00E
38 00 00S 149 00 00E, 38 00 00S 150 23 12E
36 56 43S 150 45 03E, 35 44 49S 150 37 09E
35 25 48S 149 38 33E, 35 33 27S 149 25 31E
35 45 49S 149 01 48E, 36 07 04S 148 14 00E
37 22 37S 147 40 33E,
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 37 35 10S 147 58 46E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE EFREQUENCY 120.7A

LATERAL LIMITS: 28 09 51S 131 36 52E, 25 53 07S 132 58 36E
26 07 34S 136 26 07E, 25 54 00S 136 43 30E
25 01 04S 137 50 16E, 26 13 31S 138 23 24E
28 00 00S 138 00 00E, 29 00 00S 136 49 51E
29 05 21S 136 39 00E, 29 43 37S 133 18 18E
28 09 51S 131 36 52E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 121.2A

LATERAL LIMITS: 29 05 21S 136 39 00E, 29 00 00S 136 49 51E
28 00 00S 138 00 00E, 28 40 00S 139 30 00E
30 00 00S 140 00 00E, 32 18 05S 139 26 55E
31 35 00S 139 00 00E, 31 35 00S 137 50 00E
30 14 22S 138 00 00E, 29 05 21S 136 39 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE EFREQUENCY 121.85

LATERAL LIMITS: 24 29 09S 128 06 49E, 23 19 20S 127 08 08E
23 13 13S 128 27 49E, 22 10 58S 130 13 35E
22 29 53S 130 37 07E, 23 46 38S 132 14 34E
then along the minor arc of a circle of 90.00NM radius centred on
23 47 34S 133 52 42E (AS/DME) to 25 11 48S 133 17 11E
25 53 07S 132 58 36E, 28 09 51S 131 36 52E
28 23 26S 130 18 37E, 26 07 08S 128 06 49E
24 29 09S 128 06 49E
VERTICAL LIMITS: FL180 - FL245

CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 122.0
LATERAL LIMITS: 31 35 00S 135 25 00E, 29 43 37S 133 18 18E
29 05 21S 136 39 00E, 30 14 22S 138 00 00E
31 35 00S 137 50 00E, 31 35 00S 135 25 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 122.1
LATERAL LIMITS: 35 05 00S 141 21 38E, 35 05 00S 143 26 12E
33 00 00S 143 31 00E, 33 20 34S 140 34 10E
then along the minor arc of a circle of 140.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 05 00S 141 21 38E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 122.1D
LATERAL LIMITS: 26 15 00S 112 08 35E, 23 30 00S 111 44 17E
23 30 00S 114 45 00E, 23 30 00S 116 00 00E
25 00 00S 116 00 00E, 26 15 00S 114 33 13E
26 15 00S 112 08 35E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 122.4
LATERAL LIMITS: 31 15 39S 112 56 28E, 30 00 00S 112 43 56E
30 00 13S 113 49 39E,
then along the minor arc of a circle of 160.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 29 19 30S 116 34 13E
30 28 14S 116 18 03E, 31 21 14S 116 05 19E
then along the minor arc of a circle of 36.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 23 51S 115 29 38E
33 54 47S 113 48 59E,
then along the minor arc of a circle of 160.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 15 39S 112 56 28E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 122.4C
LATERAL LIMITS: 19 30 36S 113 31 23E, 18 20 55S 116 48 24E
19 38 39S 117 27 59E, 20 36 15S 117 39 21E
22 04 45S 117 45 00E, 22 15 00S 116 00 00E
23 30 00S 116 00 00E, 23 30 00S 114 45 00E
21 30 00S 114 45 00E, 19 30 36S 113 31 23E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 122.6
LATERAL LIMITS: 32 18 05S 139 26 55E, 30 30 00S 139 52 57E
30 30 00S 142 00 00E, 31 00 00S 142 48 44E
31 47 54S 143 31 00E, 33 00 00S 143 31 00E
33 20 34S 140 34 10E,
then along the minor arc of a circle of 140.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 32 52 09S 139 48 32E
32 18 05S 139 26 55E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 122.6A
LATERAL LIMITS: 40 30 00S 141 00 00E, 40 30 00S 145 00 00E
40 00 00S 145 00 00E, 39 47 36S 145 07 30E
40 59 50S 145 34 16E, 41 24 40S 145 50 46E
41 18 00S 145 15 00E, 41 18 00S 141 00 00E
40 30 00S 141 00 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 122.6B
LATERAL LIMITS: 27 43 20S 116 16 48E, 25 00 00S 116 32 41E
25 00 00S 120 15 00E, 28 00 14S 118 38 07E
27 43 20S 116 16 48E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 123.05
LATERAL LIMITS: 35 30 01S 135 00 00E, 35 30 01S 136 49 20E
35 10 16S 137 50 47E,
then along the minor arc of a circle of 36.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 32 07S 138 22 30E
36 24 22S 138 05 12E, 36 42 46S 138 05 12E
36 10 04S 135 00 00E, 35 30 01S 135 00 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 123.4
LATERAL LIMITS: 25 00 00S 117 50 56E, 24 00 00S 118 09 32E
24 00 00S 119 10 00E, 22 57 00S 119 36 58E
22 30 00S 121 30 00E, 24 10 39S 120 40 02E
25 00 00S 120 14 33E, 25 00 00S 117 50 56E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 123.5
LATERAL LIMITS: 30 51 20S 132 00 00E, 29 43 37S 133 18 18E
31 35 00S 135 25 00E, 32 25 45S 135 02 01E
32 59 42S 135 08 00E, 33 39 49S 134 16 47E
33 00 00S 132 00 00E, 30 51 20S 132 00 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 123.75
LATERAL LIMITS: 36 51 13S 144 53 03E, 36 24 04S 145 23 46E
then along the minor arc of a circle of 80.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 58 46S 146 28 34E
37 50 41S 145 45 32E,
then along the minor arc of a circle of 45.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 54 35S 144 52 52E
36 51 13S 144 53 03E
VERTICAL LIMITS: 8500 - FL125
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 123.75A
LATERAL LIMITS: 37 21 00S 146 41 12E,
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 37 17 30S 146 53 03E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 03 16S 146 53 14E
38 01 01S 146 40 53E,
then along the minor arc of a circle of 90.00NM radius centred on

37 39 36S 144 50 32E (ML/DME) to 37 21 00S 146 41 12E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 123.8

LATERAL LIMITS: 40 59 50S 145 34 16E, 40 00 02S 145 12 02E
40 00 00S 145 48 00E, 40 00 00S 146 58 00E
40 00 02S 147 21 09E,
then along the minor arc of a circle of 30.00NM radius centred on
40 05 29S 147 59 34E (YFLI/AD) to 39 51 42S 147 24 53E
41 14 33S 148 38 07E, 42 06 26S 148 02 44E
then along the minor arc of a circle of 50.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 02 46S 147 50 19E
41 27 27S 147 25 05E, 41 17 40S 147 47 21E
then along the minor arc of a circle of 30.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 41 06 21S 147 32 00E
40 44 24S 147 47 49E,
then along the minor arc of a circle of 55.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 41 06 13S 146 08 45E
41 31 39S 147 00 31E, 41 41 54S 147 04 52E
41 54 56S 147 02 07E,
then along the minor arc of a circle of 60.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 15 56S 146 25 34E
40 59 50S 145 34 16E
VERTICAL LIMITS: FL125 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 123.95

LATERAL LIMITS: 41 18 00S 141 00 00E, 41 18 00S 145 15 00E
41 24 40S 145 50 46E, 42 10 22S 146 21 44E
42 47 56S 142 28 50E, 42 21 00S 141 00 00E
41 18 00S 141 00 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 123.9A

LATERAL LIMITS: 32 25 45S 135 02 01E, 31 35 00S 135 25 00E
31 35 00S 137 50 00E, 31 35 00S 139 00 00E
32 52 09S 139 48 32E,
then along the minor arc of a circle of 140.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 01 22S 140 07 05E
33 38 22S 139 46 30E,
then along the minor arc of a circle of 100.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 18 46S 138 06 46E
33 29 20S 138 05 18E,
then along the minor arc of a circle of 90.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 47 58S 137 21 17E
33 35 00S 137 16 00E, 32 25 45S 135 02 01E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE EFREQUENCY 123.9A1

LATERAL LIMITS: 31 53 55S 147 07 20E, 31 20 57S 148 15 39E
32 05 40S 148 49 51E, 32 13 10S 148 34 40E
32 38 09S 148 15 22E, 32 56 07S 148 03 26E
33 17 56S 147 48 50E, 33 03 21S 146 42 48E
31 53 55S 147 07 20E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE EFREQUENCY 123.9A2

LATERAL LIMITS: 32 18 36S 148 24 45E, 32 05 16S 148 41 55E
32 37 32S 149 29 53E, 32 59 58S 148 56 23E
32 18 36S 148 24 45E
VERTICAL LIMITS: FL125 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 123.9B

LATERAL LIMITS: 38 54 04S 141 00 00E, 38 54 04S 143 25 39E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 39 18 49S 145 07 33E
39 47 36S 145 07 30E, 40 00 00S 145 00 00E
40 30 00S 145 00 00E, 40 30 00S 141 00 00E
38 54 04S 141 00 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 124.0A1

LATERAL LIMITS: 37 26 42S 146 29 49E,
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 37 21 00S 146 41 12E
then along the minor arc of a circle of 90.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 36 40S 146 18 48E
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 38 27 32S 146 11 41E
then along the minor arc of a circle of 80.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 26 42S 146 29 49E
VERTICAL LIMITS: 8500 - FL125
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE EFREQUENCY 124.0A2

LATERAL LIMITS: 37 17 30S 146 53 03E,
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 37 35 10S 147 58 46E
37 30 00S 149 00 00E, 38 00 00S 149 00 00E
38 00 00S 150 23 12E, 38 11 19S 150 19 14E
40 00 00S 150 33 54E, 40 34 02S 150 38 39E
40 00 02S 148 37 58E,
then along the minor arc of a circle of 30.00NM radius centred on
40 05 29S 147 59 34E (YFLI/AD) to 39 37 48S 147 44 28E
38 55 15S 147 19 54E,
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 38 44 00S 146 27 40E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 17 30S 146 53 03E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 124.3A

LATERAL LIMITS: 33 38 22S 139 46 30E, 33 01 22S 140 07 05E
then along the minor arc of a circle of 140.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 35 34S 141 15 48E
35 26 14S 140 28 06E,
then along the minor arc of a circle of 100.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 38 22S 139 46 30E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 124.5

LATERAL LIMITS: 27 30 00S 112 20 01E, 26 15 00S 112 08 35E
26 15 00S 114 33 13E, 25 00 00S 116 00 00E
25 00 00S 116 32 41E, 27 43 20S 116 16 48E
27 41 09S 116 00 00E, 27 30 00S 112 20 01E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 124.9

LATERAL LIMITS: 29 53 53S 142 40 54E, 29 15 18S 143 16 11E
31 53 55S 147 07 20E, 33 03 21S 146 42 48E
32 57 11S 146 15 43E, 33 11 36S 145 31 23E
33 37 00S 145 29 24E, 33 08 00S 144 42 00E
33 00 00S 144 00 00E, 33 00 00S 143 31 00E
31 47 54S 143 31 00E, 31 00 00S 142 48 44E
29 53 53S 142 40 54E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 125.0A

LATERAL LIMITS: 34 38 50S 149 48 48E, 34 20 25S 150 24 50E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 41 07S 151 02 28E
34 43 56S 151 00 00E, 34 56 07S 150 59 57E
then along the minor arc of a circle of 23.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 35 19 57S 150 34 29E
35 44 49S 150 37 09E, 35 25 48S 149 38 33E
35 20 06S 149 48 12E, 35 12 37S 150 00 19E
then along the minor arc of a circle of 40.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 47 38S 149 45 03E
34 42 04S 149 51 19E,
then along the minor arc of a circle of 80.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 38 50S 149 48 48E
VERTICAL LIMITS: 8500 - FL125
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE EFREQUENCY 125.0B

LATERAL LIMITS: 34 41 07S 151 02 28E,
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 28 18S 151 49 23E
35 18 59S 152 55 50E,
then along the minor arc of a circle of 120.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 36 56 43S 150 45 03E
35 44 49S 150 37 09E, 35 19 57S 150 34 29E
then along the minor arc of a circle of 23.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 34 56 07S 150 59 57E
34 43 56S 151 00 00E, 34 41 07S 151 02 28E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 125.2

LATERAL LIMITS: 30 28 14S 116 18 03E, 29 19 30S 116 34 13E
then along the minor arc of a circle of 160.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 30 20 17S 118 26 34E
31 02 15S 117 21 30E,
then along the minor arc of a circle of 90.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 30 28 14S 116 18 03E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 125.2B1

LATERAL LIMITS: 36 19 28S 145 41 54E, 35 43 36S 146 26 55E
35 54 01S 146 42 39E,
then along the minor arc of a circle of 16.00NM radius centred on
36 04 05S 146 57 58E (AY/DME) to 36 09 40S 146 39 28E
36 27 40S 146 10 33E,
then along the minor arc of a circle of 45.00NM radius centred on
36 04 05S 146 57 58E (AY/DME) to 36 48 28S 146 48 17E
36 20 06S 146 58 50E,
then along the minor arc of a circle of 16.00NM radius centred on
36 04 05S 146 57 58E (AY/DME) to 36 03 06S 147 17 40E
36 07 04S 148 14 00E, 36 14 52S 147 56 10E
37 01 50S 146 33 00E,
then along the minor arc of a circle of 90.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 21 00S 146 41 12E
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 37 26 42S 146 29 49E
then along the minor arc of a circle of 80.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 24 04S 145 23 46E
36 16 05S 145 32 42E,
then along the minor arc of a circle of 90.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 19 28S 145 41 54E
VERTICAL LIMITS: 8500 - FL125
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 125.2B2

LATERAL LIMITS: 37 01 50S 146 33 00E, 36 14 52S 147 56 10E
36 07 04S 148 14 00E, 37 22 37S 147 40 33E
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 37 21 00S 146 41 12E
then along the minor arc of a circle of 90.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 01 50S 146 33 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 125.2B3

LATERAL LIMITS: 36 08 13S 145 41 28E, 35 36 33S 146 16 20E
35 43 36S 146 26 55E, 36 12 07S 145 51 12E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 08 13S 145 41 28E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE EFREQUENCY 125.35

LATERAL LIMITS: 29 15 18S 143 16 11E, 29 00 00S 143 30 00E
29 00 00S 146 32 00E, 31 20 57S 148 15 39E
31 53 55S 147 07 20E, 29 15 18S 143 16 11E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 125.3A1

LATERAL LIMITS: 34 17 16S 139 08 38E, 33 46 43S 139 39 50E
then along the minor arc of a circle of 90.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 36 24 22S 138 05 12E
35 45 40S 138 18 03E,
then along the minor arc of a circle of 50.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 34 17 16S 139 08 38E
VERTICAL LIMITS: 8500 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 125.3A2

LATERAL LIMITS: 33 46 43S 139 39 50E, 33 42 20S 139 44 17E
33 38 22S 139 46 30E,
then along the minor arc of a circle of 100.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 36 34 40S 138 05 12E
36 24 22S 138 05 12E,
then along the minor arc of a circle of 90.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 46 43S 139 39 50E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE EFREQUENCY 125.55

LATERAL LIMITS: 42 47 56S 142 28 50E, 42 10 22S 146 21 44E
42 22 31S 146 30 07E, 42 40 01S 146 53 37E
42 46 40S 147 03 30E, 42 48 40S 147 18 48E
42 51 58S 147 21 33E, 42 57 18S 147 31 40E

43 18 49S 148 02 31E,
then along the minor arc of a circle of 36.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 43 01S 148 19 20E
42 47 26S 147 52 51E,
then along the minor arc of a circle of 16.00NM radius centred on
42 50 50S 147 31 36E (HB/DME) to 42 36 38S 147 41 38E
42 30 00S 147 46 18E, 42 30 00S 150 55 29E
43 00 00S 151 00 00E, 43 51 03S 150 39 53E
43 31 15S 149 21 30E, 43 43 48S 145 51 48E
42 47 56S 142 28 50E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 125.75

LATERAL LIMITS: 32 00 00S 120 35 03E, 30 11 36S 120 11 23E
29 03 08S 124 01 16E, 28 35 45S 124 49 47E
29 00 00S 125 00 00E, 29 30 00S 125 00 00E
30 51 00S 123 37 37E, 32 00 00S 123 50 18E
32 00 00S 120 35 03E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 125.7B

LATERAL LIMITS: 25 00 00S 116 00 00E, 22 15 00S 116 00 00E
22 00 00S 118 30 00E, 22 55 12S 118 30 00E
23 15 14S 118 23 12E, 25 00 00S 117 50 56E
25 00 00S 116 00 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 125.8

LATERAL LIMITS: 36 40 00S 139 40 00E, 38 54 04S 139 40 00E
38 54 04S 141 00 00E, 38 54 04S 143 25 39E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 01 52S 144 23 25E
35 05 00S 143 26 12E, 35 05 00S 141 21 38E
then along the minor arc of a circle of 140.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 36 06 58S 141 00 00E
36 28 41S 141 00 00E, 36 40 00S 139 40 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 125.9

LATERAL LIMITS: 32 25 45S 135 02 01E, 33 35 00S 137 16 00E
33 47 58S 137 21 17E,
then along the minor arc of a circle of 90.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 30 01S 136 49 20E
35 30 01S 135 00 00E, 34 46 18S 135 00 00E
33 39 49S 134 16 47E, 32 59 42S 135 08 00E
32 25 45S 135 02 01E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 125.9C

LATERAL LIMITS: 21 50 00S 111 30 00E, 19 30 36S 113 31 23E
21 30 00S 114 45 00E, 23 30 00S 114 45 00E
23 30 00S 111 44 17E, 21 50 00S 111 30 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE EFREQUENCY 126.5

LATERAL LIMITS: 29 00 00S 141 00 00E, 28 01 21S 141 37 47E
29 00 00S 143 30 00E, 29 53 53S 142 40 54E
31 00 00S 142 48 44E, 30 30 00S 142 00 00E
30 30 00S 141 00 00E, 29 00 00S 141 00 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE EFREQUENCY 126.5A

LATERAL LIMITS: 39 51 42S 147 24 53E,
then along the minor arc of a circle of 30.00NM radius centred on
40 05 29S 147 59 34E (YFLI/AD) to 40 00 02S 148 37 58E
40 34 02S 150 38 39E, 42 30 00S 150 55 29E
42 30 00S 147 46 18E, 42 06 26S 148 02 44E
41 14 33S 148 38 07E, 39 51 42S 147 24 53E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 126.8

LATERAL LIMITS: 38 29 36S 143 00 48E, 37 54 04S 144 17 22E
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 00 33S 144 23 23E
38 08 36S 144 21 49E, 38 46 14S 143 15 50E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 29 36S 143 00 48E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 127.05

LATERAL LIMITS: 35 15 26S 137 34 54E, 35 20 56S 137 17 51E
then along the minor arc of a circle of 65.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 34 05 49S 139 20 23E
34 17 16S 139 08 38E,
then along the minor arc of a circle of 50.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 15 26S 137 34 54E
VERTICAL LIMITS: 8500 - FL125
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 127.05A

LATERAL LIMITS: 35 20 56S 137 17 51E, 35 30 01S 136 49 20E
then along the minor arc of a circle of 90.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 46 43S 139 39 50E
34 05 49S 139 20 23E,
then along the minor arc of a circle of 65.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 20 56S 137 17 51E
VERTICAL LIMITS: 8500 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 127.05B

LATERAL LIMITS: 33 29 20S 138 05 18E, 33 18 46S 138 06 46E
then along the minor arc of a circle of 100.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 38 22S 139 46 30E
33 42 20S 139 44 17E, 33 46 43S 139 39 50E
then along the minor arc of a circle of 90.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 29 20S 138 05 18E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 127.0B

LATERAL LIMITS: 39 18 49S 145 07 33E,
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 44 00S 146 27 40E
39 51 42S 147 24 53E,
then along the minor arc of a circle of 30.00NM radius centred on

40 05 29S 147 59 34E (YFLI/AD) to 40 00 02S 147 21 09E
40 00 00S 146 58 00E, 40 00 00S 145 48 00E
40 00 02S 145 12 02E, 39 47 36S 145 07 30E
39 18 49S 145 07 33E
VERTICAL LIMITS: FL125 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 128.15

LATERAL LIMITS: 22 55 12S 118 30 00E, 22 00 00S 118 30 00E
21 40 00S 120 18 00E, 22 30 00S 121 30 00E
22 57 00S 119 36 58E, 24 00 00S 119 10 00E
24 00 00S 118 09 32E, 23 15 14S 118 23 12E
22 55 12S 118 30 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 128.4

LATERAL LIMITS: 34 50 49S 147 47 58E, 34 50 04S 147 52 58E
then along the minor arc of a circle of 70.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 17 02S 148 27 30E
33 59 41S 149 34 44E,
then along the minor arc of a circle of 80.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 42 04S 149 51 19E
34 47 38S 149 45 03E,
then along the minor arc of a circle of 40.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 35 05 05S 148 25 07E
34 50 49S 147 47 58E
VERTICAL LIMITS: 8500 - FL125
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 129.8

LATERAL LIMITS: 33 50 51S 149 34 59E, 33 47 37S 149 52 55E
33 49 08S 150 05 23E,
then along the minor arc of a circle of 55.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 25 42S 150 14 34E
34 28 20S 150 09 25E, 34 38 50S 149 48 48E
then along the minor arc of a circle of 80.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 50 51S 149 34 59E
VERTICAL LIMITS: 8500 - FL125
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 130.3

LATERAL LIMITS: 38 44 00S 146 27 40E,
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 38 55 15S 147 19 54E
39 37 48S 147 44 28E,
then along the minor arc of a circle of 30.00NM radius centred on
40 05 29S 147 59 34E (YFLI/AD) to 39 51 42S 147 24 53E
38 44 00S 146 27 40E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE EFREQUENCY 130.9

LATERAL LIMITS: 26 34 44S 124 00 00E, 23 23 49S 126 03 32E
23 19 20S 127 08 08E, 24 29 09S 128 06 49E
26 07 08S 128 06 49E, 28 23 26S 130 18 37E
28 47 01S 127 50 00E, 29 30 00S 125 00 00E
29 00 00S 125 00 00E, 28 35 45S 124 49 47E
28 03 46S 124 13 56E, 26 34 44S 124 00 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 132.7

LATERAL LIMITS: 33 00 00S 129 00 00E, 28 36 16S 129 00 00E
28 09 51S 131 36 52E, 29 43 37S 133 18 18E
30 51 20S 132 00 00E, 33 00 00S 132 00 00E
33 00 00S 129 00 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 133.2

LATERAL LIMITS: 32 18 57S 120 39 17E, 32 00 00S 120 35 03E
32 00 00S 123 50 18E, 32 51 36S 124 00 00E
35 04 27S 125 00 10E, 35 00 00S 120 15 51E
32 18 57S 120 39 17E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 133.8

LATERAL LIMITS: 29 19 30S 116 34 13E, 27 48 10S 116 55 09E
28 00 14S 118 38 07E, 28 08 53S 118 45 26E
29 18 00S 120 00 00E, 30 20 17S 118 26 34E
then along the minor arc of a circle of 160.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 29 19 30S 116 34 13E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 133.9

LATERAL LIMITS: 31 21 14S 116 05 19E, 30 28 14S 116 18 03E
then along the minor arc of a circle of 90.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 23 02S 117 35 24E
31 35 00S 117 09 27E, 31 42 10S 116 53 44E
31 48 43S 116 38 48E,
then along the minor arc of a circle of 36.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 21 14S 116 05 19E
VERTICAL LIMITS: 8500 - FL125
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 133.9A

LATERAL LIMITS: 32 49 45S 117 10 21E, 32 24 16S 116 24 56E
then along the minor arc of a circle of 36.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 48 43S 116 38 48E
31 42 10S 116 53 44E, 31 35 00S 117 09 27E
31 23 02S 117 35 24E,
then along the minor arc of a circle of 90.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 55 50S 117 17 52E
32 49 45S 117 10 21E
VERTICAL LIMITS: 8500 - FL125
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 134.2A

LATERAL LIMITS: 30 51 00S 123 37 37E, 29 30 00S 125 00 00E
28 47 01S 127 50 00E, 28 36 16S 129 00 00E
33 00 00S 129 00 00E, 35 04 27S 125 00 10E
32 51 36S 124 00 00E, 30 51 00S 123 37 37E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 134.2B

LATERAL LIMITS: 30 00 00S 112 43 56E, 27 30 00S 112 20 01E
27 40 44S 115 49 10E, 27 41 09S 116 00 00E
27 48 10S 116 55 09E, 29 19 30S 116 34 13E
then along the minor arc of a circle of 160.00NM radius centred on

31 56 42S 115 57 34E (PH/DME) to 30 00 13S 113 49 39E
30 00 00S 112 43 56E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 134.325A1

LATERAL LIMITS: 38 24 34S 143 11 49E,
then along the minor arc of a circle of 90.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 16 05S 145 32 42E
36 51 13S 144 53 03E, 36 54 35S 144 52 52E
then along the minor arc of a circle of 45.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 01 46S 144 01 04E
38 24 34S 143 11 49E
VERTICAL LIMITS: 8500 - FL125
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 134.325A2

LATERAL LIMITS: 38 29 36S 143 00 48E,
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 08 13S 145 41 28E
36 16 05S 145 32 42E,
then along the minor arc of a circle of 90.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 24 34S 143 11 49E
38 29 36S 143 00 48E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE EFREQUENCY 134.5

LATERAL LIMITS: 21 40 00S 120 18 00E, 19 39 17S 121 07 44E
20 03 18S 121 40 22E, 21 31 19S 124 33 04E
23 23 49S 126 03 32E, 26 34 44S 124 00 00E
25 00 00S 121 12 00E, 24 10 39S 120 40 02E
22 30 00S 121 30 00E, 21 40 00S 120 18 00E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 134.65

LATERAL LIMITS: 33 11 36S 145 31 23E, 32 57 11S 146 15 43E
33 17 56S 147 48 50E, 34 29 18S 148 09 16E
then along the minor arc of a circle of 70.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 50 04S 147 52 58E
34 57 44S 147 02 32E, 35 04 06S 146 56 32E
34 51 56S 145 52 00E, 34 21 00S 145 25 46E
33 37 00S 145 29 24E, 33 11 36S 145 31 23E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 135.3A

LATERAL LIMITS: 38 36 40S 146 18 48E,
then along the minor arc of a circle of 90.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 01 01S 146 40 53E
38 03 16S 146 53 14E,
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 44 00S 146 27 40E
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 38 36 40S 146 18 48E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 135.3A1

LATERAL LIMITS: 38 24 07S 144 59 21E,
then along the minor arc of a circle of 45.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 50 41S 145 45 32E
37 58 46S 146 28 34E,
then along the minor arc of a circle of 80.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 27 32S 146 11 41E
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 38 36 40S 146 18 48E
then along the minor arc of a circle of 90.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 39 08 42S 145 07 34E
38 30 58S 145 07 38E, 38 24 07S 144 59 21E
VERTICAL LIMITS: 8500 - FL125
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 135.3A2

LATERAL LIMITS: 39 08 42S 145 07 34E,
then along the minor arc of a circle of 90.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 36 40S 146 18 48E
38 44 00S 146 27 40E,
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 39 18 49S 145 07 33E
39 08 42S 145 07 34E
VERTICAL LIMITS: FL125 - FL180
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 135.45

LATERAL LIMITS: 35 26 14S 140 28 06E, 35 35 34S 141 15 48E
then along the minor arc of a circle of 140.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 36 06 58S 141 00 00E
36 28 41S 141 00 00E, 36 40 00S 139 40 00E
36 57 30S 139 40 00E, 36 42 46S 138 05 12E
36 34 40S 138 05 12E,
then along the minor arc of a circle of 100.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 26 14S 140 28 06E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE EFREQUENCY 135.8

LATERAL LIMITS: 31 02 15S 117 21 30E, 29 18 00S 120 00 00E
31 10 07S 120 24 03E, 31 41 25S 117 41 40E
then along the minor arc of a circle of 90.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 02 15S 117 21 30E
VERTICAL LIMITS: FL180 - FL245
CONTROLLING AUTHORITY: Airservices Australia

SECTION 12 – FLIGHT INFORMATION AREAS

Within Australian FIR' the Flight Information Service for operations in uncontrolled airspace is organised on the basis of Flight Information Areas. Within each FIR FIS is provided by the Air Traffic Service Unit servicing the appropriate FIA.

VERTICAL LIMITS: FIA and FIA sectors extend vertically unlimited excluding controlled airspace when active.

YMMM/ADELAIDE CENTRE 130.45

LATERAL LIMITS: 34 20 11S 138 22 31E, 34 07 56S 138 18 15E
then along the minor arc of a circle of 50.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 34 17 16S 139 08 38E
34 27 56S 138 57 37E,
then along the major arc of a circle of 36.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 34 21 27S 138 22 59E
34 20 11S 138 22 31E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 118.1

LATERAL LIMITS: 16 55 10S 131 36 45E,
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 15 52 37S 134 33 14E
18 00 00S 135 00 00E, 19 00 00S 131 30 00E
17 10 35S 131 30 00E, 16 55 10S 131 36 45E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 118.15

LATERAL LIMITS: 12 03 35S 131 51 30E,
then along the minor arc of a circle of 60.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 13 22 17S 130 34 07E
13 50 31S 130 23 20E, 15 05 44S 129 54 21E
then along the minor arc of a circle of 170.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 39 55S 128 01 11E
12 26 03S 126 19 25E, 10 20 53S 129 11 21E
then along the minor arc of a circle of 160.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 09 48 39S 131 30 25E
10 01 27S 131 39 32E,
then along the minor arc of a circle of 150.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 11 27 44S 133 15 45E
12 03 35S 131 51 30E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 118.2

LATERAL LIMITS: 16 42 00S 126 28 00E, 19 58 17S 126 29 43E
18 42 49S 129 32 58E, 17 23 39S 128 42 09E
17 02 40S 128 28 50E, 16 42 00S 126 28 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 118.2C

LATERAL LIMITS: 16 03 03S 143 16 41E, 15 30 25S 141 43 29E
15 00 00S 140 00 00E, 14 00 00S 140 00 00E
14 00 00S 142 00 00E, 12 40 00S 144 00 00E
12 00 00S 144 00 00E, 12 00 05S 144 42 11E
14 25 18S 145 05 11E,
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 03 03S 143 16 41E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 118.6

LATERAL LIMITS: 19 05 23S 140 05 10E, 15 18 31S 141 02 36E
15 30 25S 141 43 29E, 16 03 03S 143 16 41E
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 57 54S 143 08 22E
18 17 48S 143 50 32E, 19 05 00S 142 50 00E
20 01 56S 141 07 40E,
then along the minor arc of a circle of 100.00NM radius centred on
20 39 53S 139 29 09E (MA/DME) to 19 22 34S 140 36 52E
19 05 23S 140 05 10E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE CENTRE 118.8

LATERAL LIMITS: 27 24 44S 140 30 09E, 24 44 01S 142 00 32E
25 30 00S 143 40 00E, 25 30 00S 144 30 00E
29 00 00S 144 25 00E, 29 00 00S 143 30 00E
27 24 44S 140 30 09E
VERTICAL LIMITS: SFC - FL200
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE CENTRE 118.9

LATERAL LIMITS: 19 58 17S 126 29 43E, 18 42 49S 129 32 58E
19 00 00S 130 00 00E, 19 00 00S 131 30 00E
21 12 32S 131 55 06E, 21 12 09S 131 50 24E
23 13 13S 128 27 49E, 23 21 56S 126 31 34E
19 58 17S 126 29 43E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE CENTRE 118.95

LATERAL LIMITS: 27 20 00S 147 35 45E, 27 20 00S 149 44 22E
28 18 47S 149 49 52E, 28 47 21S 149 58 48E
29 00 00S 149 00 00E, 29 08 07S 147 42 57E
29 20 27S 146 46 41E, 29 00 00S 146 32 00E
28 03 12S 147 05 18E, 27 20 00S 147 35 45E
VERTICAL LIMITS: SFC - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 119.5

LATERAL LIMITS: 27 47 06S 152 49 49E,
then along the minor arc of a circle of 30.00NM radius centred on

27 21 57S 153 08 21E (BN/DME) to 27 35 19S 153 38 35E
27 44 36S 154 00 00E, 28 24 39S 154 00 00E
then along the minor arc of a circle of 30.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 28 27S 153 03 16E
28 26 13S 152 36 35E,
then along the minor arc of a circle of 70.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 19 11S 152 22 38E
27 53 24S 152 45 11E, 27 47 06S 152 49 49E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 119.55A

LATERAL LIMITS: 23 05 40S 149 20 16E, 22 48 42S 149 09 24E
22 28 48S 149 35 00E, 22 21 30S 149 51 54E
22 14 32S 150 00 42E, 22 17 00S 150 12 00E
22 15 00S 150 20 00E, 22 12 34S 150 25 27E
22 06 00S 150 30 00E, 22 06 00S 150 45 00E
21 39 12S 151 52 08E, 22 15 21S 152 02 50E
23 13 18S 153 14 30E, 23 51 30S 153 30 48E
23 57 39S 152 57 47E, 24 07 58S 152 00 48E
24 09 23S 151 52 49E, 24 30 37S 151 00 24E
25 01 14S 150 38 18E, 24 38 10S 150 20 30E
23 10 00S 149 35 00E, 23 05 40S 149 20 16E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 119.8

LATERAL LIMITS: 19 05 00S 142 50 00E, 18 17 48S 143 50 32E
18 34 39S 144 46 06E, 18 20 13S 145 29 46E
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 20 37 58S 146 08 32E
21 26 57S 145 46 28E, 21 51 14S 145 35 26E
21 43 33S 145 25 58E, 21 43 42S 143 53 44E
19 05 00S 142 50 00E
VERTICAL LIMITS: SFC - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 120.15

LATERAL LIMITS: 18 17 48S 143 50 32E, 16 57 54S 143 08 22E
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 41 46S 143 08 34E
16 48 58S 145 07 09E,
then along the minor arc of a circle of 36.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 17 13 34S 145 15 18E
18 17 48S 143 50 32E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 120.3A

LATERAL LIMITS: 29 05 27S 152 54 16E,
then along the minor arc of a circle of 15.00NM radius centred on
28 52 28S 153 02 54E to 28 37 51S 152 58 56E
28 35 17S 153 11 35E,
then along the minor arc of a circle of 30.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 24 39S 154 00 00E
28 29 50S 154 00 00E, 29 34 45S 153 46 07E
29 33 39S 153 31 20E,
then along the minor arc of a circle of 50.00NM radius centred on
30 19 10S 153 07 16E (CFS/DME) to 29 31 33S 152 49 19E
29 29 11S 152 33 29E, 29 05 27S 152 54 16E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 120.3B

LATERAL LIMITS: 11 36 30S 140 00 00E, 09 50 00S 139 40 00E
09 50 00S 141 00 00E, 09 37 00S 141 01 06E
09 15 42S 142 03 30E,
then along QLD/PNG border to 09 19 24S 142 48 18E
09 08 00S 143 52 30E, 09 24 00S 144 14 00E
09 56 34S 144 05 21E,
then along the Barrier Reef to 11 30 00S 144 01 36E
11 30 00S 141 30 00E, 11 36 30S 140 00 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 120.55A

LATERAL LIMITS: 30 41 52S 152 02 20E, 30 49 08S 152 20 33E
30 40 40S 152 33 47E,
then along the minor arc of a circle of 36.00NM radius centred on
30 19 10S 153 07 16E (CFS/DME) to 30 55 14S 153 06 05E
31 09 16S 153 05 46E, 31 08 07S 153 18 23E
32 43 10S 152 31 29E, 32 44 36S 152 19 24E
then along the minor arc of a circle of 25.00NM radius centred on
32 47 49S 151 49 59E (WLM/TAC) to 32 36 02S 151 23 51E
32 27 28S 151 05 59E, 31 26 47S 151 33 04E
30 41 52S 152 02 20E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 120.55B

LATERAL LIMITS: 18 20 13S 145 29 46E, 17 45 21S 146 59 48E
17 31 28S 147 34 59E, 16 51 30S 147 28 40E
16 58 17S 151 04 31E, 18 40 27S 151 00 35E
19 16 13S 151 10 44E, 19 22 01S 148 20 20E
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 20 37 58S 146 08 32E
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 19 22 38S 145 10 42E
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 18 20 13S 145 29 46E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 120.75

LATERAL LIMITS: 12 26 03S 126 19 25E, 14 20 14S 123 37 52E
15 44 06S 125 02 06E, 15 56 48S 125 15 00E
16 42 00S 126 28 00E, 13 50 06S 128 23 06E
then along the minor arc of a circle of 170.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 39 55S 128 01 11E
12 26 03S 126 19 25E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 121.2

LATERAL LIMITS: 14 20 27S 145 49 49E, 15 40 45S 145 47 04E
then along the minor arc of a circle of 70.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 08 22S 144 46 43E
16 29 07S 145 14 48E,
then along the minor arc of a circle of 36.00NM radius centred on

16 51 01S 145 44 38E (CS/DME) to 16 44 44S 146 21 36E
16 51 05S 147 18 30E, 16 51 30S 147 28 40E
14 44 19S 147 08 50E,
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 14 20 27S 145 49 49E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 121.2A

LATERAL LIMITS: 28 58 42S 151 47 37E,
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 01 51S 151 28 21E
26 21 06S 151 54 05E, 26 39 16S 152 06 08E
27 05 15S 152 15 28E, 27 12 00S 152 36 35E
27 13 25S 152 41 03E, 27 42 34S 152 52 59E
27 44 13S 152 51 55E, 27 53 24S 152 45 11E
28 58 42S 151 47 37E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 121.3

LATERAL LIMITS: 14 25 18S 145 05 11E, 12 00 05S 144 42 11E
12 00 00S 148 34 24E, 16 09 59S 151 06 21E
16 58 17S 151 04 31E, 16 51 30S 147 28 40E
14 44 19S 147 08 50E,
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 14 25 18S 145 05 11E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 122.1

LATERAL LIMITS: 14 20 14S 123 37 52E, 16 11 05S 120 55 45E
18 15 00S 123 50 00E, 16 42 00S 126 28 00E
15 56 48S 125 15 00E, 15 44 06S 125 02 06E
14 20 14S 123 37 52E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 122.1

LATERAL LIMITS: 14 00 00S 142 00 00E, 14 00 00S 140 00 00E
11 36 30S 140 00 00E, 11 30 00S 141 30 00E
11 30 00S 144 01 36E, 11 43 30S 144 04 20E
12 00 00S 144 00 00E, 12 40 00S 144 00 00E
14 00 00S 142 00 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE CENTRE 122.1

LATERAL LIMITS: 19 00 00S 131 30 00E, 21 11 04S 131 54 49E
21 12 32S 131 55 06E, 21 29 59S 136 19 44E
20 43 56S 136 14 02E, 19 01 14S 137 40 20E
18 00 00S 135 00 00E, 19 00 00S 131 30 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 122.1

LATERAL LIMITS: 23 10 00S 140 46 17E, 22 08 25S 142 57 53E
21 43 42S 143 53 44E, 21 43 33S 145 25 58E
22 01 17S 145 47 51E, 22 58 59S 145 52 31E
24 19 19S 146 37 29E, 25 30 00S 144 30 00E
25 30 00S 143 40 00E, 24 44 01S 142 00 32E
23 10 00S 140 46 17E
VERTICAL LIMITS: SFC - FL200
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 122.2

LATERAL LIMITS: 13 56 01S 134 52 50E, 13 13 33S 135 58 00E
13 13 21S 136 00 00E, 13 00 48S 137 56 54E
13 00 00S 139 00 00E, 14 00 00S 140 00 00E
15 00 00S 140 00 00E, 14 56 29S 138 52 36E
15 08 36S 138 20 42E, 15 42 12S 137 12 54E
16 35 57S 137 10 56E, 15 46 48S 136 30 51E
14 42 16S 134 56 58E,
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 13 56 01S 134 52 50E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 122.3

LATERAL LIMITS: 21 26 57S 145 46 28E, 21 43 30S 146 06 56E
22 33 00S 147 44 50E, 22 52 45S 148 17 40E
22 48 42S 149 09 24E, 23 05 40S 149 20 16E
23 10 00S 149 35 00E, 23 46 09S 149 53 31E
24 30 23S 149 04 48E, 25 12 58S 149 31 28E
25 27 29S 148 33 20E, 25 12 04S 147 07 36E
22 58 59S 145 52 31E, 22 01 17S 145 47 51E
21 51 14S 145 35 26E, 21 26 57S 145 46 28E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE CENTRE 122.4

LATERAL LIMITS: 20 43 56S 136 14 02E, 19 01 14S 137 40 20E
19 05 23S 140 05 10E, 19 22 34S 140 36 52E
then along the minor arc of a circle of 100.00NM radius centred on
20 39 53S 139 29 09E (MA/DME) to 20 01 56S 141 07 40E
20 14 40S 140 44 24E,
then along the minor arc of a circle of 75.00NM radius centred on
20 39 53S 139 29 09E (MA/DME) to 21 10 15S 140 42 28E
21 34 00S 140 09 00E, 22 29 26S 140 14 56E
23 10 00S 140 46 17E, 23 10 00S 137 00 50E
22 17 51S 136 38 07E, 21 51 32S 136 22 25E
20 43 56S 136 14 02E
VERTICAL LIMITS: SFC - FL200
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 122.4

LATERAL LIMITS: 13 50 06S 128 23 06E, 16 42 00S 126 28 00E
17 02 40S 128 28 50E, 17 23 39S 128 42 09E
16 00 30S 130 17 39E,
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 15 15 20S 129 54 33E
15 05 44S 129 54 21E,
then along the minor arc of a circle of 170.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 13 50 06S 128 23 06E
VERTICAL LIMITS: SFC - Base of CTA

HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 122.6

LATERAL LIMITS: 13 22 17S 130 34 07E,
then along the minor arc of a circle of 60.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 54 56S 131 47 53E
13 37 50S 133 06 10E, 13 48 19S 133 40 00E
13 51 23S 133 57 09E, 13 56 01S 134 52 50E
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 15 15 20S 129 54 33E
15 05 44S 129 54 21E, 13 50 31S 130 23 20E
13 22 17S 130 34 07E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 122.6A

LATERAL LIMITS: 29 29 11S 152 33 29E, 29 31 33S 152 49 19E
then along the minor arc of a circle of 50.00NM radius centred on
30 19 10S 153 07 16E (CFS/DME) to 29 33 39S 153 31 20E
29 34 45S 153 46 07E, 30 40 20S 153 31 46E
31 08 07S 153 18 23E, 31 09 16S 153 05 46E
30 55 14S 153 06 05E,
then along the minor arc of a circle of 36.00NM radius centred on
30 19 10S 153 07 16E (CFS/DME) to 30 40 40S 152 33 47E
30 49 08S 152 20 33E, 30 41 52S 152 02 20E
29 29 11S 152 33 29E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 123.4

LATERAL LIMITS: 09 50 00S 136 00 00E, 13 13 21S 136 00 00E
13 13 33S 135 58 00E, 13 56 01S 134 52 50E
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 13 31 12S 134 44 11E
12 12 02S 133 27 00E,
then along the minor arc of a circle of 150.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 11 27 44S 133 15 45E
then along the minor arc of a circle of 150.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 10 01 27S 131 39 32E
09 48 39S 131 30 25E, 09 50 00S 131 35 58E
09 50 00S 136 00 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 123.7

LATERAL LIMITS: 16 00 30S 130 17 39E, 17 23 39S 128 42 09E
18 42 49S 129 32 58E, 19 00 00S 130 00 00E
19 00 00S 131 30 00E, 17 10 35S 131 30 00E
16 55 10S 131 36 45E,
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 16 00 30S 130 17 39E
VERTICAL LIMITS: SFC - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 123.8

LATERAL LIMITS: 16 41 46S 143 08 34E,
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 15 19 18S 143 41 03E
16 29 07S 145 14 48E,
then along the minor arc of a circle of 36.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 48 58S 145 07 09E
16 41 46S 143 08 34E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 123.95

LATERAL LIMITS: 20 14 40S 140 44 24E, 19 05 00S 142 50 00E
21 43 42S 143 53 44E, 22 08 25S 142 57 53E
23 10 00S 140 46 17E, 22 29 26S 140 14 56E
21 34 00S 140 09 00E, 21 10 15S 140 42 28E
then along the minor arc of a circle of 75.00NM radius centred on
20 39 53S 139 29 09E (MA/DME) to 20 14 40S 140 44 24E
VERTICAL LIMITS: SFC - FL200
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 123.95A1

LATERAL LIMITS: 25 20 31S 150 00 00E, 25 14 46S 150 48 49E
25 57 04S 151 21 59E, 26 01 51S 151 28 21E
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 41 15S 151 01 54E
25 20 31S 150 00 00E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 123.95A2

LATERAL LIMITS: 25 20 31S 150 00 00E, 26 41 15S 151 01 54E
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 29 54S 151 16 32E
28 47 21S 149 58 48E, 28 18 47S 149 49 52E
27 20 00S 149 44 22E, 27 01 32S 149 42 40E
25 57 03S 150 00 00E, 25 20 31S 150 00 00E
VERTICAL LIMITS: SFC - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE CENTRE 123.95B

LATERAL LIMITS: 17 37 11S 118 45 34E, 16 11 05S 120 55 45E
18 15 00S 123 50 00E, 20 30 00S 123 50 00E
20 54 02S 123 18 47E, 20 03 18S 121 40 22E
19 00 00S 120 15 00E, 17 37 11S 118 45 34E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 124.1

LATERAL LIMITS: 13 56 01S 134 52 50E, 13 51 23S 133 57 09E
13 48 19S 133 40 00E, 13 37 50S 133 06 10E
12 54 56S 131 47 53E,
then along the minor arc of a circle of 60.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 03 35S 131 51 30E
11 27 44S 133 15 45E,
then along the minor arc of a circle of 150.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 12 02S 133 27 00E
13 31 12S 134 44 11E,
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 13 56 01S 134 52 50E
VERTICAL LIMITS: SFC - Base of CTA

HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 124.1A

LATERAL LIMITS: 25 57 04S 151 21 59E, 25 01 14S 150 38 18E
24 30 37S 151 00 24E, 24 09 23S 151 52 49E
24 07 58S 152 00 48E, 23 57 39S 152 57 47E
23 51 30S 153 30 48E, 24 58 55S 154 00 00E
25 00 00S 153 00 00E, 25 08 01S 152 45 45E
25 24 42S 152 15 54E, 25 57 04S 151 21 59E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 124.6

LATERAL LIMITS: 18 17 48S 143 50 32E, 17 13 34S 145 15 18E
then along the minor arc of a circle of 36.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 44 44S 146 21 36E
16 51 05S 147 18 30E, 16 51 30S 147 28 40E
17 31 28S 147 34 59E, 18 20 13S 145 29 46E
18 34 39S 144 46 06E, 18 17 48S 143 50 32E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 124.6A1

LATERAL LIMITS: 25 57 04S 151 21 59E, 25 24 42S 152 15 54E
25 08 01S 152 45 45E, 25 52 15S 153 19 26E
then along the minor arc of a circle of 90.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 21 06S 151 54 05E
25 57 04S 151 21 59E
VERTICAL LIMITS: SFC - 8500
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 124.6A2

LATERAL LIMITS: 25 08 01S 152 45 45E, 25 00 00S 153 00 00E
24 58 55S 154 00 00E,
then along the minor arc of a circle of 150.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 25 06 43S 154 21 26E
25 45 00S 154 00 00E, 26 04 31S 154 00 00E
then along the minor arc of a circle of 90.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 25 52 15S 153 19 26E
25 08 01S 152 45 45E
VERTICAL LIMITS: SFC - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 124.6A3

LATERAL LIMITS: 26 39 16S 152 06 08E, 26 21 06S 151 54 05E
then along the minor arc of a circle of 90.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 04 31S 154 00 00E
26 36 02S 154 00 00E,
then along the minor arc of a circle of 65.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 45 10S 152 08 15E
26 39 16S 152 06 08E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE CENTRE 124.8

LATERAL LIMITS: 18 15 00S 123 50 00E, 16 42 00S 126 28 00E
23 21 56S 126 31 34E, 23 23 49S 126 03 32E
21 31 19S 124 33 04E, 20 54 02S 123 18 47E
20 30 00S 123 50 00E, 18 15 00S 123 50 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE CENTRE 124.8A

LATERAL LIMITS: 31 14 51S 150 47 36E,
then along the minor arc of a circle of 11.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 13 49S 150 55 36E
31 36 02S 151 09 06E, 31 33 49S 151 29 57E
32 27 28S 151 05 59E, 33 14 18S 150 52 08E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 16 11S 150 46 53E
32 31 57S 150 33 47E, 31 50 00S 150 30 07E
31 39 33S 150 42 42E, 31 14 51S 150 47 36E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE CENTRE 124.8B

LATERAL LIMITS: 25 30 00S 144 30 00E, 24 19 19S 146 37 29E
25 50 45S 147 30 00E, 27 20 00S 147 35 45E
28 03 12S 147 05 18E, 29 00 00S 146 32 00E
29 00 00S 144 25 00E, 25 30 00S 144 30 00E
VERTICAL LIMITS: SFC - FL180
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 125.0

LATERAL LIMITS: 13 13 21S 136 00 00E, 09 50 00S 136 00 00E
09 50 00S 139 40 00E, 11 36 30S 140 00 00E
14 00 00S 140 00 00E, 13 00 00S 139 00 00E
13 00 48S 137 56 54E, 13 13 21S 136 00 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE CENTRE 125.4

LATERAL LIMITS: 26 13 31S 138 23 24E, 23 10 00S 137 00 50E
23 10 00S 140 46 17E, 24 44 01S 142 00 32E
27 24 44S 140 30 09E, 26 13 31S 138 23 24E
VERTICAL LIMITS: SFC - FL200
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 125.7

LATERAL LIMITS: 27 13 25S 152 41 03E, 27 12 00S 152 36 35E
then along the major arc of a circle of 30.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 47 06S 152 49 49E
27 44 13S 152 51 55E, 27 42 34S 152 52 59E
27 13 25S 152 41 03E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE CENTRE 125.7

LATERAL LIMITS: 33 14 18S 150 52 08E, 32 27 28S 151 05 59E
32 36 02S 151 23 51E,
then along the minor arc of a circle of 25.00NM radius centred on
32 47 49S 151 49 59E (WLM/TAC) to 32 44 36S 152 19 24E

32 43 10S 152 31 29E, 32 53 01S 152 26 31E
33 30 06S 151 54 31E,
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 14 18S 150 52 08E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 125.7

LATERAL LIMITS: 15 42 12S 137 12 54E, 15 08 36S 138 20 42E
14 56 29S 138 52 36E, 15 00 00S 140 00 00E
15 18 31S 141 02 36E, 19 05 23S 140 05 10E
19 01 14S 137 40 20E, 17 20 18S 137 09 18E
15 42 12S 137 12 54E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 125.75

LATERAL LIMITS: 30 25 04S 150 52 26E, 29 49 03S 151 12 35E
30 26 19S 151 40 09E, 30 41 52S 152 02 20E
31 26 47S 151 33 04E, 31 33 49S 151 29 57E
31 36 02S 151 09 06E, 31 13 49S 150 55 36E
then along the minor arc of a circle of 11.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 05 53S 151 02 25E
30 54 59S 150 49 06E, 30 25 04S 150 52 26E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 126.0

LATERAL LIMITS: 25 12 04S 147 07 36E, 25 27 29S 148 33 20E
25 12 58S 149 31 28E, 25 20 31S 150 00 00E
25 57 03S 150 00 00E, 27 01 32S 149 42 40E
27 20 00S 149 44 22E, 27 20 00S 147 35 45E
25 50 45S 147 30 00E, 25 12 04S 147 07 36E
VERTICAL LIMITS: SFC - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 126.8

LATERAL LIMITS: 29 19 33S 151 28 53E, 28 19 11S 152 22 38E
then along the minor arc of a circle of 70.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 26 13S 152 36 35E
28 28 27S 153 03 16E,
then along the minor arc of a circle of 30.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 35 17S 153 11 35E
28 37 51S 152 58 56E,
then along the minor arc of a circle of 15.00NM radius centred on
28 52 28S 153 02 54E to 29 05 27S 152 54 16E
29 29 11S 152 33 29E, 29 19 33S 151 28 53E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE CENTRE 127.1

LATERAL LIMITS: 29 00 00S 149 00 00E, 28 29 54S 151 16 32E
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 58 42S 151 47 37E
29 19 33S 151 28 53E, 30 25 04S 150 52 26E
30 54 59S 150 49 06E, 31 05 53S 151 02 25E
then along the minor arc of a circle of 11.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 14 51S 150 47 36E
31 39 33S 150 42 42E, 31 50 00S 150 30 07E
31 55 50S 150 30 38E, 32 00 00S 150 18 00E
32 21 54S 149 10 09E, 32 05 40S 148 49 51E
29 20 27S 146 46 41E, 29 08 07S 147 42 57E
29 00 00S 149 00 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 128.5

LATERAL LIMITS: 15 52 37S 134 33 14E,
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 14 42 16S 134 56 58E
15 46 48S 136 30 51E, 16 35 57S 137 10 56E
17 20 18S 137 09 18E, 19 01 14S 137 40 20E
18 00 00S 135 00 00E, 15 52 37S 134 33 14E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 128.55

LATERAL LIMITS: 21 26 57S 145 46 28E, 20 37 58S 146 08 32E
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 20 33 52S 147 31 25E
22 35 15S 149 26 43E, 22 48 42S 149 09 24E
22 52 45S 148 17 40E, 22 33 00S 147 44 50E
21 43 30S 146 06 56E, 21 26 57S 145 46 28E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE CENTRE 128.6

LATERAL LIMITS: 32 53 01S 152 26 31E, 31 07 50S 153 18 31E
then along the minor arc of a circle of 200.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 36 29 26S 153 48 37E
36 13 36S 152 25 23E,
then along the minor arc of a circle of 120.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 35 18 59S 152 55 50E
34 28 18S 151 49 23E,
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 30 06S 151 54 31E
32 53 01S 152 26 31E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 129.0

LATERAL LIMITS: 27 05 15S 152 15 28E, 26 45 10S 152 08 15E
then along the minor arc of a circle of 65.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 26 36 02S 154 00 00E
26 37 23S 154 00 00E, 27 01 07S 153 32 38E
then along the minor arc of a circle of 30.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 12 00S 152 36 35E
27 05 15S 152 15 28E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/BRISBANE CENTRE 133.05

LATERAL LIMITS: 32 21 54S 149 10 09E, 32 00 00S 150 18 00E
31 55 50S 150 30 38E, 32 31 57S 150 33 47E
33 16 11S 150 46 53E,
then along the minor arc of a circle of 45.00NM radius centred on

33 56 34S 151 10 51E (SY/DME) to 33 25 35S 150 31 41E
32 21 54S 149 10 09E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 134.2

LATERAL LIMITS: 29 49 03S 151 12 35E, 29 19 33S 151 28 53E
29 29 11S 152 33 29E, 30 41 52S 152 02 20E
30 26 19S 151 40 09E, 29 49 03S 151 12 35E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 134.3

LATERAL LIMITS: 26 37 23S 154 00 00E, 25 45 00S 154 00 00E
25 06 43S 154 21 26E,
then along the minor arc of a circle of 150.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 29 49 13S 153 42 58E
28 29 50S 154 00 00E, 27 44 36S 154 00 00E
27 35 19S 153 38 35E,
then along the minor arc of a circle of 30.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 01 07S 153 32 38E
26 37 23S 154 00 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 134.65

LATERAL LIMITS: 15 19 18S 143 41 03E, 16 08 22S 144 46 43E
then along the minor arc of a circle of 70.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 15 40 45S 145 47 04E
14 20 27S 145 49 49E,
then along the minor arc of a circle of 150.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 15 19 18S 143 41 03E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 135.3

LATERAL LIMITS: 24 30 23S 149 04 48E, 23 46 09S 149 53 31E
24 38 10S 150 20 30E, 25 14 46S 150 48 49E
25 20 31S 150 00 00E, 25 12 58S 149 31 28E
24 30 23S 149 04 48E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/BRISBANE CENTRE 135.5A

LATERAL LIMITS: 20 33 52S 147 31 25E,
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 19 24 06S 148 20 08E
then along the minor arc of a circle of 90.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 19 22 01S 148 20 20E
19 16 13S 151 10 44E, 21 39 12S 151 52 08E
21 59 16S 151 02 01E, 22 06 00S 150 45 00E
22 06 00S 150 30 00E, 22 12 34S 150 25 27E
22 15 00S 150 20 00E, 22 17 00S 150 12 00E
22 14 32S 150 00 42E, 22 21 30S 149 51 54E
22 28 48S 149 35 00E, 22 35 15S 149 26 43E
20 33 52S 147 31 25E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/CAIRNS APPROACH 126.1

LATERAL LIMITS: A circle of 36.00NM radius centred on
16 51 01S 145 44 38E (CS/DME)
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/CANBERRA APPROACH 124.5

LATERAL LIMITS: 34 52 26S 149 11 40E, 34 52 00S 149 32 14E
then along the minor arc of a circle of 30.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 35 20 06S 149 48 12E
35 33 27S 149 25 31E, 35 40 41S 149 11 40E
34 52 26S 149 11 40E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/CANBERRA APPROACH 125.9

LATERAL LIMITS: 35 09 20S 148 36 19E, 34 52 32S 149 06 00E
34 52 26S 149 11 40E, 35 40 41S 149 11 40E
35 45 49S 149 01 48E,
then along the minor arc of a circle of 30.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 35 09 20S 148 36 19E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 118.4

LATERAL LIMITS: 30 11 36S 120 11 23E, 29 18 00S 120 00 00E
26 34 44S 124 00 00E, 28 03 46S 124 13 56E
28 35 45S 124 49 47E, 29 03 08S 124 01 16E
30 11 36S 120 11 23E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 118.6

LATERAL LIMITS: 33 00 00S 143 31 00E, 35 05 00S 143 26 12E
36 01 52S 144 23 25E,
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 08 13S 145 41 28E
35 22 30S 146 31 36E, 35 05 21S 146 55 21E
35 04 06S 146 56 32E, 34 51 56S 145 52 00E
34 21 00S 145 25 46E, 33 37 00S 145 29 24E
33 08 00S 144 42 00E, 33 00 00S 144 00 00E
33 00 00S 143 31 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE CENTRE 118.6A

LATERAL LIMITS: 18 20 55S 116 48 24E, 17 37 11S 118 45 34E
19 00 00S 120 15 00E, 19 39 17S 121 07 44E
21 40 00S 120 18 00E, 22 00 00S 118 30 00E
22 04 45S 117 45 00E, 20 36 15S 117 39 21E
19 38 39S 117 27 59E, 18 20 55S 116 48 24E
VERTICAL LIMITS: SFC - Base of CTA

HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 118.95

LATERAL LIMITS: 28 00 14S 118 38 07E, 24 10 39S 120 40 02E
25 00 00S 121 12 00E, 26 34 44S 124 00 00E
29 18 00S 120 00 00E, 28 08 53S 118 45 26E
28 00 14S 118 38 07E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 118.95A1

LATERAL LIMITS: 35 10 16S 137 50 47E, 35 30 01S 136 49 20E
then along the minor arc of a circle of 90.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 46 43S 139 39 50E
34 17 16S 139 08 38E,
then along the minor arc of a circle of 50.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 34 07 56S 138 18 15E
34 20 11S 138 22 31E, 34 21 27S 138 22 59E
then along the minor arc of a circle of 36.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 10 16S 137 50 47E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 118.95A2

LATERAL LIMITS: 33 29 20S 138 05 18E, 33 18 46S 138 06 46E
then along the minor arc of a circle of 100.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 38 22S 139 46 30E
33 42 20S 139 44 17E, 33 46 43S 139 39 50E
then along the minor arc of a circle of 90.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 29 20S 138 05 18E
VERTICAL LIMITS: SFC - 9500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE CENTRE 119.5

LATERAL LIMITS: 28 00 00S 138 00 00E, 26 13 31S 138 23 24E
28 01 21S 141 37 47E, 29 00 00S 141 00 00E
30 30 00S 141 00 00E, 30 30 00S 139 52 57E
30 00 00S 140 00 00E, 28 40 00S 139 30 00E
28 00 00S 138 00 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 119.5B

LATERAL LIMITS: 34 57 44S 147 02 32E, 34 50 49S 147 47 58E
35 09 20S 148 36 19E,
then along the minor arc of a circle of 30.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 35 45 49S 149 01 48E
36 07 04S 148 14 00E, 36 03 06S 147 17 40E
then along the minor arc of a circle of 16.00NM radius centred on
36 04 05S 146 57 58E (AY/DME) to 35 54 01S 146 42 39E
35 36 33S 146 16 20E, 35 22 30S 146 31 36E
35 05 21S 146 55 21E, 34 57 44S 147 02 32E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE CENTRE 119.8

LATERAL LIMITS: 22 10 58S 130 13 35E, 22 29 53S 130 37 07E
23 46 38S 132 14 34E,
then along the minor arc of a circle of 90.00NM radius centred on
23 47 34S 133 52 42E (AS/DME) to 25 11 48S 133 17 11E
25 53 07S 132 58 36E, 26 07 34S 136 26 07E
25 54 00S 136 43 30E, 25 01 04S 137 50 16E
22 17 51S 136 38 07E, 21 51 32S 136 22 25E
21 29 59S 136 19 44E, 21 12 32S 131 55 06E
21 12 09S 131 50 24E, 22 10 58S 130 13 35E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 120.0A1

LATERAL LIMITS: 38 46 14S 143 15 50E, 38 08 36S 144 21 49E
then along the minor arc of a circle of 8.00NM radius centred on
38 02 22S 144 28 10E (YMAV/AD) to 38 09 07S 144 33 38E
38 18 53S 144 40 44E,
then along the minor arc of a circle of 40.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 05 05S 145 29 30E
37 55 33S 145 22 36E,
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 47 08S 145 27 08E
37 54 48S 146 07 18E,
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 38 44 00S 146 27 40E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 46 14S 143 15 50E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 120.3

LATERAL LIMITS: 32 56 16S 114 54 18E, 32 23 51S 115 29 38E
then along the major arc of a circle of 36.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 21 14S 116 05 19E
30 38 03S 116 15 43E,
then along the major arc of a circle of 80.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 56 16S 114 54 18E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE CENTRE 120.75

LATERAL LIMITS: 37 22 37S 147 40 33E, 36 07 04S 148 14 00E
35 45 49S 149 01 48E, 35 33 27S 149 25 31E
35 25 48S 149 38 33E, 35 44 49S 150 37 09E
36 56 43S 150 45 03E, 38 00 00S 150 23 12E
38 00 00S 149 00 00E, 37 30 00S 149 00 00E
37 35 10S 147 58 46E,
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 37 22 37S 147 40 33E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE CENTRE 120.7A

LATERAL LIMITS: 28 09 51S 131 36 52E, 25 53 07S 132 58 36E
26 07 34S 136 26 07E, 25 54 00S 136 43 30E
25 01 04S 137 50 16E, 26 13 31S 138 23 24E
28 00 00S 138 00 00E, 29 00 00S 136 49 51E
29 05 21S 136 39 00E, 29 43 37S 133 18 18E
28 09 51S 131 36 52E
VERTICAL LIMITS: SFC - Base of CTA

HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 120.7B

LATERAL LIMITS: 40 00 00S 145 47 01E, 40 00 00S 146 58 00E
40 33 04S 147 02 59E,
then along the minor arc of a circle of 60.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 40 40 09S 146 34 14E
41 03 00S 146 43 00E, 41 21 58S 146 56 55E
then along the minor arc of a circle of 16.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 41 27 45S 146 52 30E
41 29 30S 146 18 00E, 41 05 04S 146 04 36E
40 00 00S 145 47 01E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE CENTRE 121.2

LATERAL LIMITS: 35 25 48S 149 38 33E, 35 20 06S 149 48 12E
then along the minor arc of a circle of 30.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 54 58S 149 36 46E
34 42 04S 149 51 19E,
then along the minor arc of a circle of 80.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 38 50S 149 48 48E
34 28 20S 150 09 25E, 34 20 25S 150 24 50E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 28 18S 151 49 23E
35 18 59S 152 55 50E,
then along the minor arc of a circle of 120.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 36 56 43S 150 45 03E
35 44 49S 150 37 09E, 35 25 48S 149 38 33E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 121.2A

LATERAL LIMITS: 29 00 00S 136 49 51E, 28 00 00S 138 00 00E
28 40 00S 139 30 00E, 30 00 00S 140 00 00E
32 18 05S 139 26 55E, 31 35 00S 139 00 00E
31 35 00S 137 50 00E, 30 14 22S 138 00 00E
29 05 21S 136 39 00E, 29 00 00S 136 49 51E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 121.2C

LATERAL LIMITS: 27 30 00S 112 20 01E, 27 40 44S 115 49 10E
30 26 44S 115 50 10E,
then along the minor arc of a circle of 90.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 30 57 36S 114 38 05E
30 00 13S 113 49 39E, 30 00 00S 112 43 56E
27 30 00S 112 20 01E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE CENTRE 121.85

LATERAL LIMITS: 24 29 09S 128 06 49E, 23 19 20S 127 08 08E
23 13 13S 128 27 49E, 22 10 58S 130 13 35E
22 29 53S 130 37 07E, 23 46 38S 132 14 34E
then along the minor arc of a circle of 90.00NM radius centred on
23 47 34S 133 52 42E (AS/DME) to 25 11 48S 133 17 11E
25 53 07S 132 58 36E, 28 09 51S 131 36 52E
28 23 26S 130 18 37E, 26 07 08S 128 06 49E
24 29 09S 128 06 49E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 122.0

LATERAL LIMITS: 29 43 37S 133 18 18E, 29 05 21S 136 39 00E
30 14 22S 138 00 00E, 31 35 00S 137 50 00E
31 35 00S 135 25 00E, 29 43 37S 133 18 18E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 122.1

LATERAL LIMITS: 33 20 34S 140 34 10E, 33 00 00S 143 31 00E
35 05 00S 143 26 12E, 35 05 00S 141 21 38E
then along the minor arc of a circle of 140.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 20 34S 140 34 10E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 122.1D

LATERAL LIMITS: 26 15 00S 112 08 35E, 23 30 00S 111 44 17E
23 30 00S 114 45 00E, 23 30 00S 116 00 00E
25 00 00S 116 00 00E, 26 15 00S 114 33 13E
26 15 00S 112 08 35E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 122.4B

LATERAL LIMITS: 36 51 13S 144 53 03E, 36 16 05S 145 32 42E
then along the minor arc of a circle of 90.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 19 28S 145 41 54E
36 12 07S 145 51 12E, 36 30 45S 145 41 37E
then along the minor arc of a circle of 80.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 26 42S 146 29 49E
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 37 54 48S 146 07 18E
37 47 08S 145 27 08E,
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 09 36S 144 52 04E
36 51 13S 144 53 03E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 122.4B1

LATERAL LIMITS: 36 16 05S 145 32 42E, 36 08 13S 145 41 28E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 12 07S 145 51 12E
36 19 28S 145 41 54E,
then along the minor arc of a circle of 90.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 16 05S 145 32 42E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 122.4C
LATERAL LIMITS: 21 30 00S 114 45 00E, 19 30 36S 113 31 23E
18 20 55S 116 48 24E, 19 38 39S 117 27 59E
20 36 15S 117 39 21E, 22 04 45S 117 45 00E
22 15 00S 116 00 00E, 23 30 00S 116 00 00E
23 30 00S 114 45 00E, 21 30 00S 114 45 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 122.4D
LATERAL LIMITS: 31 15 39S 112 56 28E, 30 00 00S 112 43 56E
30 00 13S 113 49 39E, 30 57 36S 114 38 05E
then along the minor arc of a circle of 90.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 30 26 44S 115 50 10E
30 36 46S 115 50 14E,
then along the minor arc of a circle of 80.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 30 38 03S 116 15 43E
31 21 14S 116 05 19E,
then along the minor arc of a circle of 36.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 23 51S 115 29 38E
33 54 47S 113 48 59E,
then along the minor arc of a circle of 160.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 15 39S 112 56 28E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 122.6
LATERAL LIMITS: 27 43 20S 116 16 48E, 25 00 00S 116 32 41E
25 00 00S 120 15 00E, 28 00 14S 118 38 07E
27 43 20S 116 16 48E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 122.6
LATERAL LIMITS: 41 18 00S 141 00 00E, 40 30 00S 141 00 00E
40 30 00S 145 00 00E, 40 00 00S 145 00 00E
39 47 36S 145 07 30E, 40 00 02S 145 12 02E
40 00 00S 145 47 01E, 41 05 04S 146 04 36E
41 29 30S 146 18 00E, 41 18 00S 145 15 00E
41 18 00S 141 00 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 122.6A
LATERAL LIMITS: 32 18 05S 139 26 55E, 30 30 00S 139 52 57E
30 30 00S 142 00 00E, 31 00 00S 142 48 44E
31 47 54S 143 31 00E, 33 00 00S 143 31 00E
33 20 34S 140 34 10E,
then along the minor arc of a circle of 140.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 32 52 09S 139 48 32E
32 18 05S 139 26 55E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 123.05
LATERAL LIMITS: 35 30 01S 135 00 00E, 35 30 01S 136 49 20E
35 10 16S 137 50 47E,
then along the minor arc of a circle of 36.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 32 07S 138 22 30E
36 24 22S 138 05 12E, 36 42 46S 138 05 12E
36 10 04S 135 00 00E, 35 30 01S 135 00 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 123.4A
LATERAL LIMITS: 25 00 00S 117 50 56E, 24 00 00S 118 09 32E
24 00 00S 119 10 00E, 22 57 00S 119 36 58E
22 30 00S 121 30 00E, 24 10 39S 120 40 02E
25 00 00S 120 14 33E, 25 00 00S 117 50 56E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 123.4B
LATERAL LIMITS: 31 08 12S 117 12 07E, 31 02 15S 117 21 30E
30 20 17S 118 26 34E, 29 18 00S 120 00 00E
29 38 08S 120 04 15E, 29 48 29S 120 06 27E
30 11 36S 120 11 23E, 31 37 31S 120 30 04E
31 43 07S 120 00 00E, 31 58 54S 117 31 35E
then along the minor arc of a circle of 80.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 08 12S 117 12 07E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 123.5
LATERAL LIMITS: 30 51 20S 132 00 00E, 29 43 37S 133 18 18E
31 35 00S 135 25 00E, 32 25 45S 135 02 01E
32 59 42S 135 08 00E, 33 39 49S 134 16 47E
33 00 00S 132 00 00E, 30 51 20S 132 00 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE CENTRE 123.9
LATERAL LIMITS: 31 53 55S 147 07 20E, 31 20 57S 148 15 39E
32 05 40S 148 49 51E, 32 37 32S 149 29 53E
32 59 58S 148 56 23E, 32 38 14S 148 39 42E
32 38 09S 148 15 22E, 32 56 07S 148 03 26E
32 51 02S 146 47 12E, 31 53 55S 147 07 20E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 123.95
LATERAL LIMITS: 42 21 00S 141 00 00E, 41 18 00S 141 00 00E
41 18 00S 145 15 00E, 41 24 40S 145 50 46E
42 10 22S 146 21 44E, 42 47 56S 142 28 50E
42 21 00S 141 00 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 123.9A
LATERAL LIMITS: 32 25 45S 135 02 01E, 31 35 00S 135 25 00E
31 35 00S 137 50 00E, 31 35 00S 139 00 00E

32 52 09S 139 48 32E,
then along the minor arc of a circle of 140.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 01 22S 140 07 05E
33 38 22S 139 46 30E,
then along the minor arc of a circle of 100.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 18 46S 138 06 46E
33 29 20S 138 05 18E,
then along the minor arc of a circle of 90.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 47 58S 137 21 17E
33 35 00S 137 16 00E, 32 25 45S 135 02 01E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 123.9B

LATERAL LIMITS: 38 54 04S 141 00 00E, 38 54 04S 143 25 39E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 39 18 49S 145 07 33E
39 47 36S 145 07 30E, 40 00 00S 145 00 00E
40 30 00S 145 00 00E, 40 30 00S 141 00 00E
38 54 04S 141 00 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 123.9C

LATERAL LIMITS: 35 10 52S 115 17 43E, 34 00 14S 117 21 42E
34 49 56S 120 17 22E, 36 43 12S 120 00 00E
36 25 00S 116 40 00E, 35 10 52S 115 17 43E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE CENTRE 124.0A

LATERAL LIMITS: 38 55 15S 147 19 54E,
then along the major arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 37 35 10S 147 58 46E
37 30 00S 149 00 00E, 38 00 00S 149 00 00E
38 00 00S 150 23 12E, 38 11 19S 150 19 14E
40 00 00S 150 33 54E, 40 34 02S 150 38 39E
40 00 02S 148 37 58E,
then along the minor arc of a circle of 30.00NM radius centred on
40 05 29S 147 59 34E (YFLI/AD) to 39 37 48S 147 44 28E
38 55 15S 147 19 54E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 124.1A

LATERAL LIMITS: 34 50 04S 147 52 58E,
then along the minor arc of a circle of 70.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 17 02S 148 27 30E
33 59 41S 149 34 44E,
then along the minor arc of a circle of 80.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 50 51S 149 34 59E
33 47 37S 149 52 55E, 33 50 34S 150 17 16E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 20 25S 150 24 50E
34 38 50S 149 48 48E,
then along the minor arc of a circle of 80.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 42 04S 149 51 19E
34 54 58S 149 36 46E,
then along the minor arc of a circle of 30.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 52 00S 149 32 14E
34 52 32S 149 06 00E, 35 09 20S 148 36 19E
34 50 49S 147 47 58E, 34 50 04S 147 52 58E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 124.3

LATERAL LIMITS: 33 38 22S 139 46 30E, 33 01 22S 140 07 05E
then along the minor arc of a circle of 140.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 35 34S 141 15 48E
35 26 14S 140 28 06E,
then along the minor arc of a circle of 100.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 38 22S 139 46 30E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 124.5

LATERAL LIMITS: 27 30 00S 112 20 01E, 26 15 00S 112 08 35E
26 15 00S 114 33 13E, 25 00 00S 116 00 00E
25 00 00S 116 32 41E, 27 43 20S 116 16 48E
27 41 09S 116 00 00E, 27 30 00S 112 20 01E
VERTICAL LIMITS: SFC - Base of CTA
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 124.8

LATERAL LIMITS: 30 26 44S 115 50 10E, 27 40 44S 115 49 10E
27 41 09S 116 00 00E, 28 00 14S 118 38 07E
28 08 53S 118 45 26E, 29 18 00S 120 00 00E
30 20 17S 118 26 34E, 31 02 15S 117 21 30E
31 08 12S 117 12 07E,
then along the minor arc of a circle of 80.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 30 36 46S 115 50 14E
30 26 44S 115 50 10E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 124.9

LATERAL LIMITS: 29 53 53S 142 40 54E, 29 15 18S 143 16 11E
31 53 55S 147 07 20E, 32 51 02S 146 47 12E
32 47 00S 145 53 42E, 33 11 36S 145 31 23E
33 37 00S 145 29 24E, 33 08 00S 144 42 00E
33 00 00S 144 00 00E, 33 00 00S 143 31 00E
31 47 54S 143 31 00E, 31 00 00S 142 48 44E
29 53 53S 142 40 54E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 124.9B

LATERAL LIMITS: 33 54 47S 113 48 59E, 32 56 16S 114 54 18E
then along the minor arc of a circle of 80.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 33 00 01S 116 55 34E
34 00 14S 117 21 42E, 35 10 52S 115 17 43E
34 11 13S 114 13 59E,
then along the minor arc of a circle of 160.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 33 54 47S 113 48 59E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 125.2

LATERAL LIMITS: 36 08 13S 145 41 28E, 35 36 33S 146 16 20E
35 54 01S 146 42 39E,
then along the minor arc of a circle of 16.00NM radius centred on
36 04 05S 146 57 58E (AY/DME) to 36 03 06S 147 17 40E
36 07 04S 148 14 00E, 37 22 37S 147 40 33E
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 37 26 42S 146 29 49E
then along the minor arc of a circle of 80.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 30 45S 145 41 37E
36 12 07S 145 51 12E,
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 08 13S 145 41 28E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 125.2A

LATERAL LIMITS: 36 16 05S 145 32 42E, 36 08 13S 145 41 28E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 12 07S 145 51 12E
36 19 28S 145 41 54E,
then along the minor arc of a circle of 90.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 16 05S 145 32 42E
VERTICAL LIMITS: 8500 - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 125.3

LATERAL LIMITS: 33 42 20S 139 44 17E, 33 38 22S 139 46 30E
then along the minor arc of a circle of 100.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 36 34 40S 138 05 12E
36 24 22S 138 05 12E, 35 32 07S 138 22 30E
then along the minor arc of a circle of 36.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 34 27 56S 138 57 37E
33 42 20S 139 44 17E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE CENTRE 125.35

LATERAL LIMITS: 29 15 18S 143 16 11E, 29 00 00S 143 30 00E
29 00 00S 144 25 00E, 29 00 00S 146 32 00E
29 20 27S 146 46 41E, 31 20 57S 148 15 39E
31 53 55S 147 07 20E, 29 15 18S 143 16 11E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 125.4

LATERAL LIMITS: 31 58 54S 117 31 35E, 31 43 07S 120 00 00E
31 37 31S 120 30 04E, 32 18 57S 120 39 17E
34 49 56S 120 17 22E, 34 00 14S 117 21 42E
33 00 01S 116 55 34E,
then along the minor arc of a circle of 80.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 58 54S 117 31 35E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE CENTRE 125.55

LATERAL LIMITS: 42 47 56S 142 28 50E, 42 10 22S 146 21 44E
42 22 31S 146 30 07E, 42 30 00S 146 40 17E
42 30 00S 150 55 29E, 43 00 00S 151 00 00E
43 51 03S 150 39 53E, 43 31 15S 149 21 30E
43 43 48S 145 51 48E, 42 47 56S 142 28 50E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 125.7

LATERAL LIMITS: 25 00 00S 116 00 00E, 22 15 00S 116 00 00E
22 00 00S 118 30 00E, 22 55 12S 118 30 00E
23 15 14S 118 23 12E, 25 00 00S 117 50 56E
25 00 00S 116 00 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 125.75

LATERAL LIMITS: 32 00 00S 120 35 03E, 30 11 36S 120 11 23E
29 03 08S 124 01 16E, 28 35 45S 124 49 47E
29 00 00S 125 00 00E, 29 30 00S 125 00 00E
30 51 00S 123 37 37E, 32 00 00S 123 50 18E
32 00 00S 120 35 03E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 125.8

LATERAL LIMITS: 36 06 58S 141 00 00E, 36 28 41S 141 00 00E
36 40 00S 139 40 00E, 38 54 04S 139 40 00E
38 54 04S 141 00 00E, 38 54 04S 143 25 39E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 01 52S 144 23 25E
35 05 00S 143 26 12E, 35 05 00S 141 21 38E
then along the minor arc of a circle of 140.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 36 06 58S 141 00 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 125.9

LATERAL LIMITS: 32 25 45S 135 02 01E, 32 59 42S 135 08 00E
33 39 49S 134 16 47E, 34 46 18S 135 00 00E
35 30 01S 135 00 00E, 35 30 01S 136 49 20E
then along the minor arc of a circle of 90.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 47 58S 137 21 17E
33 35 00S 137 16 00E, 32 25 45S 135 02 01E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 125.9C

LATERAL LIMITS: 21 50 00S 111 30 00E, 19 30 36S 113 31 23E
21 30 00S 114 45 00E, 22 15 00S 114 45 00E
23 30 00S 114 45 00E, 23 30 00S 111 44 17E
21 50 00S 111 30 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE CENTRE 126.5

LATERAL LIMITS: 30 30 00S 141 00 00E, 29 00 00S 141 00 00E
28 01 21S 141 37 47E, 29 00 00S 143 30 00E
29 53 53S 142 40 54E, 31 00 00S 142 48 44E
30 30 00S 142 00 00E, 30 30 00S 141 00 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE CENTRE 126.5

LATERAL LIMITS: 40 00 00S 146 58 00E, 40 33 04S 147 02 59E
then along the minor arc of a circle of 60.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 40 40 09S 146 34 14E
41 03 00S 146 43 00E, 41 21 58S 146 56 55E
then along the minor arc of a circle of 16.00NM radius centred on
41 32 38S 147 12 47E (LT/DME) to 41 27 45S 146 52 30E
41 29 30S 146 18 00E, 41 24 40S 145 50 46E
42 10 22S 146 21 44E, 42 22 31S 146 30 07E
42 30 00S 146 40 17E, 42 30 00S 150 55 29E
40 34 02S 150 38 39E, 40 00 02S 148 37 58E
then along the minor arc of a circle of 30.00NM radius centred on
40 05 29S 147 59 34E (YFLI/AD) to 40 00 02S 147 21 09E
40 00 00S 146 58 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 126.8

LATERAL LIMITS: 38 46 14S 143 15 50E,
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 36 08 13S 145 41 28E
36 51 13S 144 53 03E, 37 09 36S 144 52 04E
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 00 33S 144 23 23E
38 08 36S 144 21 49E, 38 46 14S 143 15 50E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 127.05A

LATERAL LIMITS: 33 29 20S 138 05 18E, 33 18 46S 138 06 46E
then along the minor arc of a circle of 100.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 38 22S 139 46 30E
33 42 20S 139 44 17E, 33 46 43S 139 39 50E
then along the minor arc of a circle of 90.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 29 20S 138 05 18E
VERTICAL LIMITS: 9500 - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 128.15

LATERAL LIMITS: 24 00 00S 118 09 32E, 23 15 14S 118 23 12E
22 55 12S 118 30 00E, 22 00 00S 118 30 00E
21 40 00S 120 18 00E, 22 30 00S 121 30 00E
22 57 00S 119 36 58E, 24 00 00S 119 10 00E
24 00 00S 118 09 32E
VERTICAL LIMITS: SFC - Base of CTA
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 130.3

LATERAL LIMITS: 39 47 36S 145 07 30E, 39 18 49S 145 07 33E
then along the minor arc of a circle of 100.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 44 00S 146 27 40E
then along the minor arc of a circle of 50.00NM radius centred on
38 05 56S 147 08 58E (YMES/AD) to 38 55 15S 147 19 54E
39 37 48S 147 44 28E,
then along the minor arc of a circle of 30.00NM radius centred on
40 05 29S 147 59 34E (YFLI/AD) to 40 00 02S 147 21 09E
40 00 00S 146 58 00E, 40 00 00S 145 47 01E
40 00 02S 145 12 02E, 39 47 36S 145 07 30E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE CENTRE 130.9

LATERAL LIMITS: 26 34 44S 124 00 00E, 23 23 49S 126 03 32E
23 19 20S 127 08 08E, 24 29 09S 128 06 49E
26 07 08S 128 06 49E, 28 23 26S 130 18 37E
28 47 01S 127 50 00E, 29 30 00S 125 00 00E
29 00 00S 125 00 00E, 28 35 45S 124 49 47E
28 03 46S 124 13 56E, 26 34 44S 124 00 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 132.7

LATERAL LIMITS: 33 00 00S 129 00 00E, 28 36 16S 129 00 00E
28 09 51S 131 36 52E, 29 43 37S 133 18 18E
30 51 20S 132 00 00E, 33 00 00S 132 00 00E
33 00 00S 129 00 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 133.2

LATERAL LIMITS: 32 18 57S 120 39 17E, 32 00 00S 120 35 03E
32 00 00S 123 50 18E, 32 51 36S 124 00 00E
35 04 27S 125 00 10E, 35 00 00S 120 15 51E
32 18 57S 120 39 17E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 134.2

LATERAL LIMITS: 30 51 00S 123 37 37E, 29 30 00S 125 00 00E
28 47 01S 127 50 00E, 28 36 16S 129 00 00E
33 00 00S 129 00 00E, 35 04 27S 125 00 10E
32 51 36S 124 00 00E, 30 51 00S 123 37 37E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE CENTRE 134.5

LATERAL LIMITS: 21 40 00S 120 18 00E, 19 39 17S 121 07 44E
20 03 18S 121 40 22E, 21 31 19S 124 33 04E
23 23 49S 126 03 32E, 26 34 44S 124 00 00E
25 00 00S 121 12 00E, 24 10 39S 120 40 02E
22 30 00S 121 30 00E, 21 40 00S 120 18 00E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 134.65

LATERAL LIMITS: 32 47 00S 145 53 42E, 32 51 02S 146 47 12E
32 56 07S 148 03 26E, 33 17 56S 147 48 50E
34 29 18S 148 09 16E,
then along the minor arc of a circle of 70.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 50 04S 147 52 58E
34 57 44S 147 02 32E, 35 04 06S 146 56 32E
34 51 56S 145 52 00E, 34 21 00S 145 25 46E
33 37 00S 145 29 24E, 33 11 36S 145 31 23E
32 47 00S 145 53 42E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/MELBOURNE CENTRE 135.25

LATERAL LIMITS: 34 29 18S 148 09 16E, 33 17 56S 147 48 50E
32 38 09S 148 15 22E, 32 38 14S 148 39 42E
32 59 58S 148 56 23E, 32 37 32S 149 29 53E
33 25 34S 150 31 41E,
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 50 34S 150 17 16E
33 47 37S 149 52 55E, 33 50 51S 149 34 59E
then along the minor arc of a circle of 80.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 59 41S 149 34 44E
34 17 02S 148 27 30E,
then along the minor arc of a circle of 70.00NM radius centred on
35 16 53S 149 11 45E (CB/DME) to 34 29 18S 148 09 16E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 135.45

LATERAL LIMITS: 35 26 14S 140 28 06E, 35 35 34S 141 15 48E
then along the minor arc of a circle of 140.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 36 06 58S 141 00 00E
36 28 41S 141 00 00E, 36 40 00S 139 40 00E
36 57 30S 139 40 00E, 36 42 46S 138 05 12E
36 34 40S 138 05 12E,
then along the minor arc of a circle of 100.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 35 26 14S 140 28 06E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/MELBOURNE CENTRE 135.7

LATERAL LIMITS: 38 00 33S 144 23 23E,
then along the major arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 55 33S 145 22 36E
38 05 05S 145 29 30E,
then along the minor arc of a circle of 40.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 18 53S 144 40 44E
38 09 07S 144 33 38E,
then along the minor arc of a circle of 8.00NM radius centred on
38 02 22S 144 28 10E (YMAV/AD) to 38 08 36S 144 21 49E
38 00 33S 144 23 23E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YMMM/PERTH CENTRE 135.25

LATERAL LIMITS: A circle of 36.00NM radius centred on
31 56 42S 115 57 34E (PH/DME)
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/SYDNEY CENTRE 124.55

LATERAL LIMITS: 33 14 17S 150 52 09E, 33 31 39S 150 59 47E
then along the minor arc of a circle of 11.00NM radius centred on
33 36 27S 150 47 56E (RIC/TAC) to 33 41 05S 150 59 53E
33 45 42S 151 04 42E, 33 49 26S 151 05 17E
then along the minor arc of a circle of 8.50NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 49 50S 151 17 05E
33 50 06S 151 16 52E,
then along THE COAST 61 to 33 51 34S 151 17 05E
then along THE COAST 7 to 33 53 05S 151 17 03E
33 53 34S 151 17 06E, 33 58 07S 151 15 57E
34 00 10S 151 14 54E, 34 01 10S 151 13 46E
then along THE COAST 8 to 34 02 16S 151 11 32E
then along THE COAST 9 to 34 04 19S 151 09 20E
34 04 37S 151 10 02E,
then along THE COAST 97 to 34 05 04S 151 10 11E
34 11 14S 151 27 15E, 34 28 18S 151 49 23E
then along the major arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 14 17S 150 52 09E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB-YMMM/SYDNEY CENTRE 125.8

LATERAL LIMITS: 33 31 39S 150 59 47E, 33 14 17S 150 52 09E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 28 18S 151 49 23E
34 11 14S 151 27 15E, 34 05 04S 151 10 11E
then along THE COAST 97 to 34 04 37S 151 10 02E
34 04 19S 151 09 20E,
then along THE COAST 9 to 34 02 16S 151 11 32E
then along THE COAST 8 to 34 01 10S 151 13 46E
34 00 10S 151 14 54E, 33 58 07S 151 15 57E
33 53 34S 151 17 06E, 33 53 05S 151 17 03E
then along THE COAST 7 to 33 51 34S 151 17 05E
then along THE COAST 61 to 33 50 06S 151 16 52E
33 49 50S 151 17 05E,
then along the minor arc of a circle of 8.50NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 49 26S 151 05 17E
33 45 42S 151 04 42E, 33 41 05S 150 59 53E
then along the minor arc of a circle of 11.00NM radius centred on
33 36 27S 150 47 56E (RIC/TAC) to 33 31 39S 150 59 47E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Airservices Australia

YBBB/TOWNSVILLE APPROACH 126.8

LATERAL LIMITS: A circle of 36.00NM radius centred on
19 14 39S 146 45 30E (TL/DME)
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: AS SPECIFIED BY AIP
CONTROLLING AUTHORITY: Dept of Defence - RAAF

SECTION 13 – PRD AREAS

AIRSPACE NAME

Airspace is named according to the general commonly known geographic region, eg. **R237 WOOMERA**.
Where a more specific name is required, that name will be placed after the regional name in brackets, eg. **R736A TOWNSVILLE (STAR)**, where "Star" is the name of a property in that region.

PRD CONTACT DETAILS

Refer ERSA for all PRD contact phone numbers.

ACRONYM LEGEND

ACFR	Australian Centre for Field Robotics, Sydney University
AD OPR	Aerodrome Operator
AFHQ	Air Force Headquarters
ANSTO	Australian Nuclear Science & Technology Organisation
AsA	AirServices Australia
BCP	Base Command Post
CASA OAR	Civil Aviation Safety Authority, Office of Airspace Regulation
CSIG	Corporate Services & Infrastructure Group
CSIRO	Commonwealth Scientific and Industrial Research Organisation
DEFENCE	Department of Defence (Switchboard)
DO	Duty Officer
DOTAM	Director of Training Area Management
DS	Defence Support
EODF	Explosive Ordnance Defence Flight
FLT	Flight
FLTCDR	Flight Commander
GBRMPA	Great Barrier Reef Marine Park Authority
HQ	Headquarters
HRL	Hunter River Lancers
JACC	Joint Airspace Control Cell
MHQ	Maritime Headquarters
NDTAM	Non Defence Training Area Manager
OC	Officer Commanding
OIC	Officer In Charge
OPSO	Operations Officer
OPS WO	Operations Warrant Officer
RAAF	Royal Australian Air Force
RCO	Range Control Officer
RSU	Radar Support Unit
SRPSU	School of Radio Physics, Sydney University
WTF	Weapons Training Flight
WTO	Weapons Training Officer

Conditional RA (Restricted Area) Status

In order to assist with shared use of airspace, all restricted areas have been allocated an "RA Status". This status will give an indication as to the likelihood of obtaining a clearance to fly through restricted airspace. NOTAMs may be issued to indicate changes to the RA Status; which should be checked prior to flight planning.

RA STATUS LEGEND:

Conditional RA 1: Pilots may flight plan through the Restricted Area and under normal circumstances expect a clearance from ATC.

Conditional RA 2: Pilots must not flight plan through the Restricted Area unless on a route specified in ERSA GEN FPR or under agreement with the Department of Defence, however a clearance from ATC is not assured. Other tracking may be offered through the Restricted Area on a tactical basis.

Conditional RA 3: Pilots must not flight plan through the Restricted Area and clearances will not be available.

RESTRICTED AREAS

YMMM/R122 NORTH WEST CAPE
CONDITIONAL STATUS: RA3
COMMUNICATIONS
LATERAL LIMITS: A circle of 2.00NM radius centred on 21 49 00S 114 09 30E
VERTICAL LIMITS: SFC - 3000
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: RAAF AFHQ

YMMM/R123 NORTH WEST CAPE
CONDITIONAL STATUS: RA3
COMMUNICATIONS
LATERAL LIMITS: A circle of 1.50NM radius centred on 21 54 30S 114 07 30E
VERTICAL LIMITS: SFC - 1000
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: RAAF AFHQ

YMMM/R124 NORTH WEST CAPE
CONDITIONAL STATUS: RA3
COMMUNICATIONS
LATERAL LIMITS: A circle of 1.00NM radius centred on 22 20 02S 114 02 40E
VERTICAL LIMITS: SFC - 1000
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: RAAF AFHQ

YMMM/R129 BINDOON
CONDITIONAL STATUS: RA2
MILITARY NON-FLYING
LATERAL LIMITS: 31 14 20S 116 19 14E, 31 14 20S 116 20 32E 31 15 26S 116 20 32E, 31 15 26S 116 19 14E 31 14 20S 116 19 14E
VERTICAL LIMITS: SFC - 5500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army DOTAM WA

YMMM/R131A YATHARAGGA
CONDITIONAL STATUS: RA3
LASER RADIATION OCULAR HAZARD
LATERAL LIMITS: A circle of 3.00NM radius centred on 29 02 46S 115 20 40E
VERTICAL LIMITS: SFC - UNL
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Geoscience Australia

YMMM/R131B YATHARAGGA
CONDITIONAL STATUS: RA3
LASER RADIATION OCULAR HAZARD
LATERAL LIMITS: A circle of 6.00NM radius centred on 29 02 46S 115 20 40E
VERTICAL LIMITS: 5000 - UNL
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Geoscience Australia

YMMM/R131C YATHARAGGA
CONDITIONAL STATUS: RA3
LASER RADIATION OCULAR HAZARD
LATERAL LIMITS: A circle of 9.00NM radius centred on 29 02 46S 115 20 40E
VERTICAL LIMITS: 10000 - UNL
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Geoscience Australia

YMMM/R131D YATHARAGGA
CONDITIONAL STATUS: RA3
LASER RADIATION OCULAR HAZARD
LATERAL LIMITS: A circle of 13.00NM radius centred on 29 02 46S 115 20 40E
VERTICAL LIMITS: FL150 - UNL
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Geoscience Australia

YMMM/R131E YATHARAGGA
CONDITIONAL STATUS: RA3
LASER RADIATION OCULAR HAZARD
LATERAL LIMITS: A circle of 16.00NM radius centred on 29 02 46S 115 20 40E
VERTICAL LIMITS: FL250 - UNL
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Geoscience Australia

YMMM/R131F YATHARAGGA
CONDITIONAL STATUS: RA3
LASER RADIATION OCULAR HAZARD
LATERAL LIMITS: A circle of 20.00NM radius centred on 29 02 46S 115 20 40E
VERTICAL LIMITS: FL350 - UNL
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Geoscience Australia

YMMM/R131G YATHARAGGA
CONDITIONAL STATUS: RA3
LASER RADIATION OCULAR HAZARD
LATERAL LIMITS: A circle of 23.00NM radius centred on 29 02 46S 115 20 40E
VERTICAL LIMITS: FL450 - UNL
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Geoscience Australia

YMMM/R134A BINDOON
CONDITIONAL STATUS: RA2
MILITARY NON-FLYING
LATERAL LIMITS: 31 16 48S 116 14 30E, 31 08 00S 116 14 30E 31 08 00S 116 23 00E, 31 22 17S 116 23 00E 31 22 17S 116 16 50E, 31 20 36S 116 15 42E 31 16 48S 116 15 42E, 31 16 48S 116 14 30E
VERTICAL LIMITS: SFC - 4000
HOURS OF ACTIVITY: NOTAM

CONTROLLING AUTHORITY: Army DOTAM WA

YMMM/R134B BINDOON
CONDITIONAL STATUS: RA2
MILITARY NON-FLYING
LATERAL LIMITS: 31 14 00S 116 14 30E, 31 08 00S 116 14 30E
31 08 00S 116 23 00E, 31 14 00S 116 23 00E
31 14 00S 116 14 30E
VERTICAL LIMITS: 4000 - 9000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army DOTAM WA

YMMM/R134C BINDOON
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: 31 20 36S 116 12 24E, 31 16 48S 116 12 24E
31 16 48S 116 15 42E, 31 20 36S 116 15 42E
31 20 36S 116 12 24E
VERTICAL LIMITS: SFC - 4000
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Army DOTAM WA

YMMM/R134D BINDOON
CONDITIONAL STATUS: RA2
MILITARY NON-FLYING
LATERAL LIMITS: 31 20 36S 116 12 24E, 31 16 48S 116 12 24E
31 16 48S 116 15 42E, 31 20 36S 116 15 42E
31 20 36S 116 12 24E
VERTICAL LIMITS: 4000 - 10000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army DOTAM WA

YMMM/R135 LAVERTON
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: A circle of 5.00NM radius centred on
28 19 00S 122 50 30E
VERTICAL LIMITS: SFC - 8200
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: RAAF Duty OPSO 1 RSU

YMMM/R140A GARDEN ISLAND
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: A circle of 1.00NM radius centred on
32 10 36S 115 40 18E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Navy HMAS Stirling

YMMM/R140B GARDEN ISLAND
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: A circle of 1.00NM radius centred on
32 10 36S 115 40 18E
VERTICAL LIMITS: 1500 - 4000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy HMAS Stirling

YMMM/R146A LANCELIN
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 30 54 00S 114 56 00E, 30 45 30S 115 17 30E
30 55 00S 115 24 00E, 31 07 30S 115 05 00E
30 54 00S 114 56 00E
VERTICAL LIMITS: SFC - FL700
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy HMAS Stirling

YMMM/R146B LANCELIN
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 30 45 30S 115 17 30E, 30 41 00S 115 27 00E
30 50 00S 115 33 00E, 30 55 00S 115 24 00E
30 45 30S 115 17 30E
VERTICAL LIMITS: SFC - FL260
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy HMAS Stirling

YMMM/R146C LANCELIN
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 30 38 57S 115 07 36E, 30 41 00S 115 27 00E
30 45 30S 115 17 30E, 30 47 56S 115 11 21E
then along COAST 72 to 30 39 41S 115 07 55E
then along COAST 71 to 30 38 57S 115 07 36E
VERTICAL LIMITS: SFC - FL260
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy HMAS Stirling

YMMM/R153A PEARCE
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 31 45 51S 115 59 49E, 31 44 06S 116 02 37E
31 39 38S 116 04 23E,
then along the minor arc of a circle of 18.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 44 35S 116 13 14E
31 45 13S 116 12 25E, 31 48 15S 116 05 52E
then along the minor arc of a circle of 11.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 45 51S 115 59 49E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN PEARCE FLT

YMMM/R153B PEARCE
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 31 39 38S 116 04 23E, 31 35 50S 116 05 55E
then along the minor arc of a circle of 22.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 41 53S 116 16 42E
31 44 35S 116 13 14E,
then along the minor arc of a circle of 18.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 39 38S 116 04 23E
VERTICAL LIMITS: SFC - 3500
HOURS OF ACTIVITY: NOTAM

CONTROLLING AUTHORITY: FLTCDR 453SQN PEARCE FLT

YMMM/R153C PEARCE
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 31 35 50S 116 05 55E, 31 22 34S 116 11 12E
then along the minor arc of a circle of 36.00NM radius centred on 31 56 42S 115 57 34E (PH/DME) to 31 30 57S 116 27 08E
31 33 13S 116 27 49E, 31 41 53S 116 16 42E
then along the minor arc of a circle of 22.00NM radius centred on 31 56 42S 115 57 34E (PH/DME) to 31 35 50S 116 05 55E
VERTICAL LIMITS: SFC - 4500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN PEARCE FLT

YMMM/R153D PEARCE
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 31 22 34S 116 11 12E, 30 59 47S 116 20 11E
then along the minor arc of a circle of 60.00NM radius centred on 31 56 42S 115 57 34E (PH/DME) to 31 02 00S 116 26 42E
31 04 58S 116 26 25E,
then along TOODYAY/BINDI BINDI RD 4 to 31 24 03S 116 30 01E
then along TOODYAY/BINDI BINDI RD 5 to 31 27 27S 116 26 04E
31 30 57S 116 27 08E,
then along the minor arc of a circle of 36.00NM radius centred on 31 56 42S 115 57 34E (PH/DME) to 31 22 34S 116 11 12E
VERTICAL LIMITS: SFC - 6500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN PEARCE FLT

YMMM/R155 PEARCE
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 31 47 22S 115 50 43E, 31 45 43S 115 46 02E
then along 2NM LAN & PARL TO COT to 31 04 05S 115 23 36E
then along the minor arc of a circle of 60.00NM radius centred on 31 56 42S 115 57 34E (PH/DME) to 30 59 47S 116 20 11E
31 44 06S 116 02 37E, 31 45 51S 115 59 49E
then along the minor arc of a circle of 11.00NM radius centred on 31 56 42S 115 57 34E (PH/DME) to 31 47 22S 115 50 43E
VERTICAL LIMITS: SFC - FL160
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN PEARCE FLT

YMMM/R156 PEARCE
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 30 40 24S 115 05 43E,
then along 2NM SEAWARD & PARL TO COT 8 to 30 38 39S 115 04 55E
then along the minor arc of a circle of 90.00NM radius centred on 31 56 42S 115 57 34E (PH/DME) to 30 31 17S 116 31 19E
30 59 47S 116 20 11E,
then along the minor arc of a circle of 60.00NM radius centred on 31 56 42S 115 57 34E (PH/DME) to 31 04 05S 115 23 36E
then along the minor arc of a circle of 60.00NM radius centred on 31 56 42S 115 57 34E (PH/DME) to 31 06 08S 115 19 35E
then along 2NM SEAWARD & PARL TO COT 9 to 30 40 24S 115 05 43E
VERTICAL LIMITS: 4000 - FL160
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN PEARCE FLT

YMMM/R162 PEARCE
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 32 14 51S 115 41 24E, 32 13 29S 115 40 47E
32 13 49S 115 56 52E, 32 13 36S 116 04 27E
33 02 56S 116 24 49E,
then along the minor arc of a circle of 70.00NM radius centred on 31 56 42S 115 57 34E (PH/DME) to 32 58 36S 115 18 38E
32 28 35S 115 37 42E, 32 22 32S 115 39 30E
32 14 51S 115 41 24E
VERTICAL LIMITS: 6000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN PEARCE FLT

YMMM/R163 PEARCE
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 31 52 31S 115 22 40E, 31 52 46S 115 24 56E
31 45 43S 115 46 02E, 31 47 22S 115 50 43E
then along the minor arc of a circle of 11.00NM radius centred on 31 56 42S 115 57 34E (PH/DME) to 31 48 23S 115 49 06E
31 57 14S 115 36 26E,
then along the minor arc of a circle of 18.00NM radius centred on 31 56 42S 115 57 34E (PH/DME) to 32 01 07S 115 37 02E
32 09 27S 115 39 32E,
then along W COAST GARDEN ISLAND to 32 13 29S 115 40 47E
32 14 51S 115 41 24E, 32 22 32S 115 39 30E
then along the minor arc of a circle of 30.00NM radius centred on 31 56 42S 115 57 34E (PH/DME) to 32 14 47S 115 29 22E
then along the minor arc of a circle of 30.00NM radius centred on 31 56 42S 115 57 34E (PH/DME) to 31 52 31S 115 22 40E
VERTICAL LIMITS: 4500 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN PEARCE FLT

YMMM/R165 PEARCE
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 31 52 46S 115 24 56E, 31 48 30S 114 47 46E
then along the minor arc of a circle of 60.00NM radius centred on 31 56 42S 115 57 34E (PH/DME) to 31 06 08S 115 19 35E
then along the minor arc of a circle of 60.00NM radius centred on 31 56 42S 115 57 34E (PH/DME) to 31 04 05S 115 23 36E
then along 2NM LAN & PARL TO COT to 31 45 43S 115 46 02E
31 52 46S 115 24 56E
VERTICAL LIMITS: 2000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN PEARCE FLT

YMMM/R167A PEARCE
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 31 51 43S 115 15 41E, 31 52 31S 115 22 40E
then along the minor arc of a circle of 30.00NM radius centred on 31 56 42S 115 57 34E (PH/DME) to 32 05 28S 115 23 49E

32 07 13S 115 17 04E,
then along the minor arc of a circle of 36.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 51 43S 115 15 41E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN PEARCE FLT

YMMM/R167B PEARCE
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 32 07 13S 115 17 04E, 32 05 28S 115 23 49E
then along the minor arc of a circle of 30.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 14 47S 115 29 22E
32 18 24S 115 23 42E,
then along the minor arc of a circle of 36.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 07 13S 115 17 04E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN PEARCE FLT

YMMM/R168A PEARCE
CONDITIONAL STATUS: RA2
FLYING/NON-FLYING
LATERAL LIMITS: 31 23 49S 114 58 43E, 30 50 33S 114 00 29E
then along the minor arc of a circle of 120.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 30 10 34S 114 51 52E
then along the minor arc of a circle of 120.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 30 08 06S 114 57 33E
then along 2 NM SEAWARD & PARL TO COT/1 to 30 38 39S 115 04 55E
then along 2NM SEAWARD & PARL TO COT 8 to 30 40 24S 115 05 43E
then along 2NM SEAWARD & PARL TO COT 9 to 31 06 08S 115 19 35E
then along the minor arc of a circle of 60.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 23 49S 114 58 43E
VERTICAL LIMITS: SFC - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN PEARCE FLT

YMMM/R168B PEARCE
CONDITIONAL STATUS: RA2
FLYING/NON-FLYING
LATERAL LIMITS: 31 48 30S 114 47 46E, 31 40 00S 113 38 07E
then along the minor arc of a circle of 120.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 30 50 33S 114 00 29E
31 23 49S 114 58 43E,
then along the minor arc of a circle of 60.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 48 30S 114 47 46E
VERTICAL LIMITS: SFC - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN PEARCE FLT

YMMM/R178 PEARCE
CONDITIONAL STATUS: RA3
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 31 34 50S 115 48 20E, 31 34 50S 115 57 00E
31 41 40S 115 57 00E, 31 43 00S 115 52 30E
31 41 40S 115 50 20E, 31 34 50S 115 48 20E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN PEARCE FLT

YMMM/R184 LANCELIN
CONDITIONAL STATUS: RA3
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: A circle of 1.50NM radius centred on
30 52 54S 115 16 12E
VERTICAL LIMITS: SFC - 4000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy HMAS Stirling

YMMM/R189 STIRLING
CONDITIONAL STATUS: RA2
FLYING/NON-FLYING
LATERAL LIMITS: 32 14 51S 115 41 24E, 32 22 32S 115 39 30E
then along the minor arc of a circle of 30.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 14 47S 115 29 22E
32 09 27S 115 39 32E,
then along W COAST GARDEN ISLAND to 32 13 29S 115 40 47E
32 14 51S 115 41 24E
VERTICAL LIMITS: SFC - 4500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy HMAS Stirling

YMMM/R190 STIRLING
CONDITIONAL STATUS: RA2
FLYING/NON-FLYING
LATERAL LIMITS: 31 52 46S 115 24 56E, 31 48 30S 114 47 46E
then along the minor arc of a circle of 60.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 23 49S 114 58 43E
31 38 11S 115 29 51E, 31 50 01S 115 33 12E
31 52 46S 115 24 56E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy HMAS Stirling

YMMM/R191 CARRIER
CONDITIONAL STATUS: RA2
FLYING/NON-FLYING
LATERAL LIMITS: 31 40 00S 113 00 00E, 30 00 03S 113 00 00E
30 00 13S 113 49 39E, 30 00 00S 114 30 00E
30 10 34S 114 51 52E,
then along the minor arc of a circle of 120.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 40 00S 113 38 07E
31 40 00S 113 00 00E
VERTICAL LIMITS: SFC - FL260
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy HMAS Stirling

YMMM/R192A STIRLING
CONDITIONAL STATUS: RA2
FLYING/NON-FLYING
LATERAL LIMITS: 31 40 00S 113 38 07E, 31 47 08S 114 36 09E
then along the minor arc of a circle of 70.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 16 55S 114 38 39E
32 30 51S 113 41 55E,
then along the minor arc of a circle of 120.00NM radius centred on

31 56 42S 115 57 34E (PH/DME) to 31 40 00S 113 38 07E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy HMAS Stirling

YMMM/R192B STIRLING
CONDITIONAL STATUS: RA2
FLYING/NON-FLYING
LATERAL LIMITS: 31 47 08S 114 36 09E, 31 51 43S 115 15 41E
then along the minor arc of a circle of 36.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 07 13S 115 17 04E
32 16 55S 114 38 39E,
then along the minor arc of a circle of 70.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 47 08S 114 36 09E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy HMAS Stirling

YMMM/R192C STIRLING
CONDITIONAL STATUS: RA2
FLYING/NON-FLYING
LATERAL LIMITS: 32 30 51S 113 41 55E, 32 16 55S 114 38 39E
then along the minor arc of a circle of 70.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 38 44S 114 51 27E
33 08 23S 114 03 35E,
then along the minor arc of a circle of 120.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 30 51S 113 41 55E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy HMAS Stirling

YMMM/R192D STIRLING
CONDITIONAL STATUS: RA2
FLYING/NON-FLYING
LATERAL LIMITS: 32 16 55S 114 38 39E, 32 07 13S 115 17 04E
then along the minor arc of a circle of 36.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 18 24S 115 23 42E
32 38 44S 114 51 27E,
then along the minor arc of a circle of 70.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 16 55S 114 38 39E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy HMAS Stirling

YMMM/R192E STIRLING
CONDITIONAL STATUS: RA2
FLYING/NON-FLYING
LATERAL LIMITS: 33 08 23S 114 03 35E, 32 38 44S 114 51 27E
then along the minor arc of a circle of 70.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 58 36S 115 18 38E
33 42 40S 114 50 16E,
then along the minor arc of a circle of 120.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 33 08 23S 114 03 35E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy HMAS Stirling

YMMM/R192F STIRLING
CONDITIONAL STATUS: RA2
FLYING/NON-FLYING
LATERAL LIMITS: 32 38 44S 114 51 27E, 32 18 24S 115 23 42E
then along the minor arc of a circle of 36.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 28 35S 115 37 42E
32 58 36S 115 18 38E,
then along the minor arc of a circle of 70.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 38 44S 114 51 27E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy HMAS Stirling

YMMM/R192G STIRLING
CONDITIONAL STATUS: RA2
FLYING/NON-FLYING
LATERAL LIMITS: 32 18 24S 115 23 42E, 32 14 47S 115 29 22E
then along the minor arc of a circle of 30.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 22 32S 115 39 30E
32 28 35S 115 37 42E,
then along the minor arc of a circle of 36.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 32 18 24S 115 23 42E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy HMAS Stirling

YBBB/R203A KANGAROO FLAT
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 12 45 30S 130 48 51E, 12 45 30S 130 51 57E
12 46 53S 130 51 57E,
then along LITCHFIELD PARK RD to 12 49 53S 130 49 52E
12 49 53S 130 47 03E, 12 46 22S 130 47 03E
12 46 23S 130 48 51E, 12 45 30S 130 48 51E
VERTICAL LIMITS: SFC - 4000
HOURS OF ACTIVITY: W 2000-1300 EXPH or as amended by NOTAM
CONTROLLING AUTHORITY: Army RCO Kangaroo Flat

YBBB/R203B KANGAROO FLAT
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 12 45 30S 130 48 51E, 12 45 30S 130 51 57E
12 46 53S 130 51 57E,
then along LITCHFIELD PARK RD to 12 49 53S 130 49 52E
12 49 53S 130 47 03E, 12 46 22S 130 47 03E
12 46 23S 130 48 51E, 12 45 30S 130 48 51E
VERTICAL LIMITS: 4000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Kangaroo Flat

YBBB/R212 DELAMERE
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: A circle of 3.00NM radius centred on
15 40 43S 131 54 58E
VERTICAL LIMITS: SFC - 9000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TINDAL FLT

YMMM/R215 PINE GAP
CONDITIONAL STATUS: RA3
JOINT DEFENCE FACILITY

LATERAL LIMITS: A circle of 2.50NM radius centred on 23 48 21S 133 44 10E
VERTICAL LIMITS: SFC - FL180
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Australian Chief of Security

YBBB/R216 DARWIN
CONDITIONAL STATUS: RA2
MILITARY NON-FLYING
LATERAL LIMITS: 12 23 00S 130 54 30E, 12 21 00S 130 54 30E
12 21 00S 130 56 15E, 12 23 00S 130 56 15E
12 23 00S 130 54 30E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R222A WOOMERA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 30 30 00S 136 00 00E, 30 02 40S 136 00 00E
30 15 00S 136 28 00E, 30 30 00S 136 30 00E
30 30 00S 136 00 00E
VERTICAL LIMITS: SFC - UNL
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R222B WOOMERA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 30 51 20S 136 00 00E, 30 30 00S 136 00 00E
30 30 00S 136 30 00E, 30 51 20S 136 37 17E
30 51 20S 136 00 00E
VERTICAL LIMITS: SFC - UNL
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R222C WOOMERA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 31 08 00S 136 00 00E, 30 51 20S 136 00 00E
30 51 20S 136 37 17E, 31 08 44S 136 37 22E
then along the minor arc of a circle of 10.00NM radius centred on
31 08 39S 136 49 01E (YPWR/AD) to 31 15 00S 136 40 00E
31 15 00S 136 17 00E, 31 11 04S 136 15 02E
then along RAILWAY LINE to 31 08 00S 136 00 00E
VERTICAL LIMITS: SFC - UNL
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R222D WOOMERA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 31 23 16S 136 21 08E, 31 15 00S 136 17 00E
31 15 00S 136 40 00E,
then along the minor arc of a circle of 10.00NM radius centred on
31 08 39S 136 49 01E (YPWR/AD) to 31 09 50S 137 00 35E
31 34 53S 137 00 35E,
then along the minor arc of a circle of 28.00NM radius centred on
31 08 39S 136 49 01E (YPWR/AD) to 31 23 16S 136 21 08E
VERTICAL LIMITS: SFC - UNL
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R222E WOOMERA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 30 30 00S 136 30 00E, 30 15 00S 136 28 00E
30 30 54S 136 46 50E, 30 51 15S 137 00 35E
then along the minor arc of a circle of 20.00NM radius centred on
31 08 39S 136 49 01E (YPWR/AD) to 30 51 20S 136 37 17E
30 30 00S 136 30 00E
VERTICAL LIMITS: SFC - UNL
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R222F WOOMERA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 31 08 44S 136 37 22E, 30 51 20S 136 37 17E
then along the minor arc of a circle of 20.00NM radius centred on
31 08 39S 136 49 01E (YPWR/AD) to 30 51 15S 137 00 35E
31 09 50S 137 00 35E,
then along the minor arc of a circle of 10.00NM radius centred on
31 08 39S 136 49 01E (YPWR/AD) to 31 08 44S 136 37 22E
VERTICAL LIMITS: SFC - UNL
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R222G WOOMERA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 30 50 29S 135 20 00E, 29 58 00S 135 20 00E
29 58 00S 135 47 00E, 30 02 40S 136 00 00E
31 03 42S 136 00 00E,
then along 4NM NTH OF RAILWAY1 to 30 50 29S 135 20 00E
VERTICAL LIMITS: SFC - UNL
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R222H WOOMERA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 30 38 13S 134 22 00E, 29 07 00S 134 22 00E
29 20 00S 134 39 00E, 29 33 00S 135 20 00E
30 50 29S 135 20 00E,
then along 4NM NTH OF RAILWAY2 to 30 38 13S 134 22 00E
VERTICAL LIMITS: SFC - UNL
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R222I WOOMERA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING

LATERAL LIMITS: 30 30 05S 133 00 00E, 28 33 22S 133 00 00E
29 07 00S 134 22 00E, 30 38 13S 134 22 00E
then along 4NM NTH OF RAILWAY3 to 30 30 05S 133 00 00E
VERTICAL LIMITS: SFC - UNL
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R222J WOOMERA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 29 54 00S 131 30 00E, 28 08 00S 131 30 00E
28 08 00S 132 00 00E, 28 33 22S 133 00 00E
30 30 05S 133 00 00E,
then along 4NM NTH OF RAILWAY4 to 30 25 49S 132 15 36E
30 05 00S 132 00 00E, 29 54 00S 131 30 00E
VERTICAL LIMITS: SFC - UNL
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YBBB/R224A MT BUNDEY
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 12 55 07S 131 41 06E, 12 58 06S 131 43 01E
13 00 20S 131 45 21E, 13 07 22S 131 50 29E
13 09 18S 131 52 27E, 13 10 23S 131 52 30E
13 10 23S 132 04 20E, 12 55 13S 132 04 12E
12 55 13S 131 58 08E, 12 49 24S 131 58 08E
then along ARNHEM HWY 1 to 12 51 28S 131 47 01E
12 55 05S 131 47 01E, 12 55 07S 131 41 06E
VERTICAL LIMITS: SFC - FL195
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Mt Bundey

YBBB/R224B MT BUNDEY
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 12 55 07S 131 41 06E, 12 58 06S 131 43 01E
13 00 20S 131 45 21E, 13 07 22S 131 50 29E
13 09 18S 131 52 27E, 13 10 23S 131 52 30E
13 10 23S 132 04 20E, 12 55 13S 132 04 12E
12 55 13S 131 58 08E, 12 49 24S 131 58 08E
then along ARNHEM HWY 1 to 12 51 28S 131 47 01E
12 55 05S 131 47 01E, 12 55 07S 131 41 06E
VERTICAL LIMITS: FL195 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Mt Bundey

YBBB/R224C MT BUNDEY
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 12 43 24S 131 42 06E, 12 49 24S 131 58 08E
then along ARNHEM HWY 1 to 12 51 28S 131 47 01E
12 55 05S 131 47 01E, 12 55 07S 131 41 06E
12 58 06S 131 43 01E, 13 00 20S 131 45 21E
13 07 22S 131 50 29E, 13 09 18S 131 52 27E
13 10 23S 131 52 30E, 13 10 23S 132 02 13E
then along the minor arc of a circle of 80.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 13 28 49S 131 44 41E
13 03 52S 131 27 16E,
then along the minor arc of a circle of 50.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 43 24S 131 42 06E
VERTICAL LIMITS: 8500 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R225 TINDAL
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 13 22 17S 130 34 07E, 15 05 44S 129 54 21E
then along the minor arc of a circle of 60.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 13 22 17S 130 34 07E
13 18 21S 131 23 42E,
then along the minor arc of a circle of 30.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 14 10 33S 132 00 14E
17 01 53S 132 22 36E,
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 15 15 20S 129 54 33E
15 05 44S 129 54 21E
VERTICAL LIMITS: 9500 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TINDAL FLT

YBBB/R226A TINDAL
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 14 05 11S 132 38 08E, 13 34 17S 132 56 39E
14 12 10S 134 03 18E, 15 06 55S 133 30 41E
14 41 28S 132 51 47E,
then along the minor arc of a circle of 30.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 14 05 11S 132 38 08E
VERTICAL LIMITS: 9500 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TINDAL FLT

YBBB/R226B TINDAL
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 15 06 55S 133 30 41E, 14 12 10S 134 03 18E
14 42 16S 134 56 58E,
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 15 48 55S 134 35 35E
15 06 55S 133 30 41E
VERTICAL LIMITS: 9500 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TINDAL FLT

YBBB/R230A DARWIN
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 12 00 17S 130 54 53E, 11 05 02S 130 53 39E
then along the minor arc of a circle of 80.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 11 20 50S 131 42 58E
12 05 13S 131 09 35E,
then along the minor arc of a circle of 25.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 00 17S 130 54 53E
VERTICAL LIMITS: 5000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R230B DARWIN
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING

LATERAL LIMITS: 11 05 02S 130 53 39E, 10 24 52S 130 52 46E
then along the minor arc of a circle of 120.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 10 48 30S 132 07 07E
11 20 50S 131 42 58E,
then along the minor arc of a circle of 80.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 11 05 02S 130 53 39E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R230C DARWIN
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 10 24 52S 130 52 46E, 09 54 44S 130 52 07E
then along the minor arc of a circle of 150.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 10 24 14S 132 25 11E
10 48 30S 132 07 07E,
then along the minor arc of a circle of 120.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 10 24 52S 130 52 46E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R230D DARWIN
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 12 05 13S 131 09 35E, 11 20 50S 131 42 58E
then along the minor arc of a circle of 80.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 02 20S 132 12 38E
12 18 53S 131 19 03E,
then along the minor arc of a circle of 25.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 05 13S 131 09 35E
VERTICAL LIMITS: 5000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R230E DARWIN
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 11 20 50S 131 42 58E, 10 48 30S 132 07 07E
then along the minor arc of a circle of 120.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 11 50 11S 132 51 32E
12 02 20S 132 12 38E,
then along the minor arc of a circle of 80.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 11 20 50S 131 42 58E
VERTICAL LIMITS: 5000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R230F DARWIN
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 10 48 30S 132 07 07E, 10 24 14S 132 25 11E
then along the minor arc of a circle of 150.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 11 41 01S 133 20 40E
11 50 11S 132 51 32E,
then along the minor arc of a circle of 120.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 10 48 30S 132 07 07E
VERTICAL LIMITS: 5000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R231 ADELAIDE
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 34 26 08S 138 08 33E, 34 47 27S 138 24 26E
then along the minor arc of a circle of 11.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 34 57 08S 138 18 06E
34 58 09S 137 47 42E,
then along the minor arc of a circle of 36.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 34 26 08S 138 08 33E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: JO HJ or as amended by NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YBBB/R232 DELAMERE
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: A circle of 22.00NM radius centred on
15 40 19S 131 52 58E
VERTICAL LIMITS: SFC - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TINDAL FLT

YMMM/R233A EDINBURGH
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 34 36 43S 138 41 04E, 34 33 58S 138 42 41E
then along the minor arc of a circle of 2.00NM radius centred on
34 35 55S 138 43 17E (YGAW/ALA) to 34 33 55S 138 43 34E
then along THE ROSEWORTHY RAILWAY to 34 31 40S 138 44 41E
then along THE KAPUNDA RAILWAY to 34 21 39S 138 53 53E
then along the minor arc of a circle of 25.00NM radius centred on
34 42 17S 138 36 45E (EDN/TAC) to 34 25 56S 138 59 41E
34 36 54S 138 48 18E, 34 37 53S 138 43 41E
then along the minor arc of a circle of 2.00NM radius centred on
34 35 55S 138 43 17E (YGAW/ALA) to 34 36 43S 138 41 04E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R233B EDINBURGH
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 34 36 43S 138 41 04E, 34 33 58S 138 42 41E
then along the minor arc of a circle of 2.00NM radius centred on
34 35 55S 138 43 17E (YGAW/ALA) to 34 33 55S 138 43 34E
then along THE ROSEWORTHY RAILWAY to 34 31 40S 138 44 41E
then along THE KAPUNDA RAILWAY to 34 21 39S 138 53 53E
then along the minor arc of a circle of 25.00NM radius centred on
34 42 17S 138 36 45E (EDN/TAC) to 34 25 56S 138 59 41E
34 36 54S 138 48 18E, 34 37 53S 138 43 41E
then along the minor arc of a circle of 2.00NM radius centred on
34 35 55S 138 43 17E (YGAW/ALA) to 34 36 43S 138 41 04E
VERTICAL LIMITS: 2500 - 4500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R234 EDINBURGH
CONDITIONAL STATUS: RA1
MILITARY FLYING

LATERAL LIMITS: 34 43 37S 138 31 27E, 34 20 11S 138 22 31E
then along the minor arc of a circle of 25.00NM radius centred on
34 42 17S 138 36 45E (EDN/TAC) to 34 21 39S 138 53 53E
then along THE KAPUNDA RAILWAY to 34 31 40S 138 44 41E
then along THE ROSEWORTHY RAILWAY to 34 33 55S 138 43 34E
then along the minor arc of a circle of 2.00NM radius centred on
34 35 55S 138 43 17E (YGAW/ALA) to 34 33 58S 138 42 41E
34 36 43S 138 41 04E,
then along the minor arc of a circle of 2.00NM radius centred on
34 35 55S 138 43 17E (YGAW/ALA) to 34 37 53S 138 43 41E
34 36 54S 138 48 18E, 34 42 14S 138 42 45E
34 45 48S 138 37 07E,
then along LITTLE PARA RVR to 34 46 20S 138 35 36E
34 46 29S 138 34 13E,
then along the minor arc of a circle of 5.00NM radius centred on
34 42 09S 138 37 15E (YPED/AD) to 34 43 37S 138 31 27E
VERTICAL LIMITS: 1500 - 4500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R235 ALICE SPRINGS
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: A circle of 4.00NM radius centred on
22 58 54S 134 26 52E
VERTICAL LIMITS: SFC - 7000
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: RAAF Duty OPSO 1 RSU

YMMM/R237 WOOMERA
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 27 50 00S 133 50 00E, 28 34 00S 133 50 00E
29 07 00S 134 22 00E, 28 08 00S 132 00 00E
27 50 00S 132 00 00E, 27 50 00S 133 50 00E
VERTICAL LIMITS: SFC - UNL
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: RAAF RCO Woomera

YMMM/R246A WOOMERA
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 29 07 00S 134 57 00E, 28 43 00S 135 10 00E
28 43 00S 135 45 00E, 29 07 00S 136 19 51E
29 07 00S 134 57 00E
VERTICAL LIMITS: SFC - UNL
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R246B WOOMERA
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 29 20 00S 134 39 00E, 29 07 00S 134 22 00E
29 07 00S 136 19 51E, 29 18 00S 136 36 00E
29 58 00S 136 50 53E, 29 58 00S 135 20 00E
29 33 00S 135 20 00E, 29 20 00S 134 39 00E
VERTICAL LIMITS: SFC - UNL
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R246C WOOMERA
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 30 02 40S 136 00 00E, 29 58 00S 135 47 00E
29 58 00S 136 50 53E, 30 19 32S 136 58 59E
30 25 30S 136 48 05E,
then along the minor arc of a circle of 5.30NM radius centred on
30 29 06S 136 52 36E (YOLD/AD) to 30 30 54S 136 46 50E
30 15 00S 136 28 00E, 30 02 40S 136 00 00E
VERTICAL LIMITS: SFC - UNL
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YBBB/R247 TINDAL
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 14 00 00S 131 00 00E, 15 33 59S 131 00 00E
then along VICTORIA HWY 4 to 14 46 51S 131 56 11E
then along the minor arc of a circle of 30.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 14 10 33S 132 00 14E
14 00 00S 131 52 50E, 14 00 00S 131 00 00E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TINDAL FLT

YBBB/R248A TINDAL
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 16 11 41S 132 22 36E,
then along the minor arc of a circle of 100.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 15 34 32S 131 02 25E
then along VICTORIA HWY 3 to 14 46 51S 131 56 11E
then along the minor arc of a circle of 30.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 15 01 23S 132 22 36E
16 11 41S 132 22 36E
VERTICAL LIMITS: SFC - 10000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TINDAL FLT

YBBB/R248B TINDAL
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 16 11 41S 132 22 36E,
then along the minor arc of a circle of 100.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 15 34 32S 131 02 25E
then along VICTORIA HWY 3 to 14 46 51S 131 56 11E
then along the minor arc of a circle of 30.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 15 01 23S 132 22 36E
16 11 41S 132 22 36E
VERTICAL LIMITS: 10000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TINDAL FLT

YBBB/R249 TINDAL
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: A circle of 30.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD)
VERTICAL LIMITS: 10000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TINDAL FLT

YMMM/R251A MONUMENT HILL
CONDITIONAL STATUS: RA3
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 32 47 54S 137 34 55E, 32 45 28S 137 32 09E
then along the major arc of a circle of 10.00NM radius centred on
32 49 30S 137 43 00E to 32 53 06S 137 31 57E
32 50 45S 137 34 52E,
then along the minor arc of a circle of 2.00NM radius centred on
32 49 18S 137 33 13E to 32 47 54S 137 34 55E
VERTICAL LIMITS: SFC - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R251B MONUMENT HILL
CONDITIONAL STATUS: RA3
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 32 45 28S 137 32 09E, 32 47 54S 137 34 55E
then along the minor arc of a circle of 2.00NM radius centred on
32 49 18S 137 33 13E to 32 50 45S 137 34 52E
32 53 06S 137 31 57E,
then along the minor arc of a circle of 10.00NM radius centred on
32 49 30S 137 43 00E to 32 45 28S 137 32 09E
VERTICAL LIMITS: 7000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R252 ALAMEIN
CONDITIONAL STATUS: RA3
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 32 49 39S 137 36 33E, 32 40 46S 137 40 04E
32 40 49S 137 46 44E, 32 44 36S 137 48 35E
32 54 06S 137 48 34E, 32 58 24S 137 42 43E
32 53 28S 137 36 53E, 32 49 39S 137 36 33E
VERTICAL LIMITS: SFC - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army DOTAM SA

YMMM/R254 NORTH EAST ROCK
CONDITIONAL STATUS: RA3
MILITARY FLYING
LATERAL LIMITS: 35 07 00S 136 37 37E, 35 07 00S 136 21 43E
then along the major arc of a circle of 7.00NM radius centred on
35 04 30S 136 29 40E to 35 07 00S 136 37 37E
VERTICAL LIMITS: NOTAM - FL200
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R255 EDINBURGH
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 34 32 22S 138 27 08E, 34 20 11S 138 22 31E
then along the minor arc of a circle of 25.00NM radius centred on
34 42 17S 138 36 45E (EDN/TAC) to 34 21 39S 138 53 53E
then along THE KAPUNDA RAILWAY to 34 31 40S 138 44 41E
then along THE ROSEWORTHY/WASLEY RAILWAY to 34 28 21S 138 40 52E
then along THE REDBANK/WASLEY RD to 34 28 42S 138 33 35E
then along LOWER LIGHT REDBANKS RD 1 to 34 32 22S 138 27 08E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YBBB/R262 ROBERTSON BARRACKS
CONDITIONAL STATUS: RA2
MILITARY NON-FLYING
LATERAL LIMITS: 12 23 06S 130 58 53E, 12 23 09S 130 59 11E
12 23 16S 130 59 19E, 12 23 23S 130 59 23E
12 23 57S 130 59 18E, 12 24 26S 130 59 05E
12 24 39S 130 58 48E, 12 24 45S 130 58 48E
12 24 45S 130 58 33E, 12 24 39S 130 58 33E
12 24 36S 130 58 00E, 12 24 16S 130 58 01E
12 23 53S 130 58 12E, 12 23 16S 130 58 38E
12 23 06S 130 58 53E
VERTICAL LIMITS: SFC - 1000
HOURS OF ACTIVITY: D 2000-1300 EXPH or as amended by NOTAM
CONTROLLING AUTHORITY: Army RCO Robertson Barracks

YMMM/R263 CULTANA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 32 33 56S 137 38 34E, 32 32 41S 137 40 22E
32 33 09S 137 43 00E, 32 40 49S 137 46 44E
32 40 46S 137 40 04E, 32 33 56S 137 38 34E
VERTICAL LIMITS: SFC - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army DOTAM SA

YBBB/R264A DARWIN
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 12 38 16S 130 10 16E, 12 32 35S 130 29 53E
then along the minor arc of a circle of 25.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 18 12S 130 29 54E
12 12 26S 130 10 20E,
then along the minor arc of a circle of 45.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 38 16S 130 10 16E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R264B DARWIN
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 12 48 09S 129 35 54E, 12 38 16S 130 10 16E
then along the minor arc of a circle of 45.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 12 26S 130 10 20E
12 02 16S 129 36 08E,
then along the minor arc of a circle of 80.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 48 09S 129 35 54E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R264C DARWIN
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 12 59 22S 128 56 35E, 12 48 09S 129 35 54E
then along the minor arc of a circle of 80.00NM radius centred on

12 25 24S 130 54 23E (DN/DME) to 12 02 16S 129 36 08E
11 50 34S 128 57 06E,
then along the minor arc of a circle of 120.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 59 22S 128 56 35E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R264D DARWIN
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 13 13 15S 128 07 20E, 12 59 22S 128 56 35E
then along the minor arc of a circle of 120.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 11 50 34S 128 57 06E
11 35 48S 128 08 23E,
then along the minor arc of a circle of 170.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 13 13 15S 128 07 20E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R264E DARWIN
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 12 48 09S 129 35 54E, 12 32 35S 130 29 53E
then along the minor arc of a circle of 25.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 44 26S 130 37 42E
13 26 16S 130 00 54E,
then along the minor arc of a circle of 80.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 48 09S 129 35 54E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R264F DARWIN
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 12 59 22S 128 56 35E, 12 48 09S 129 35 54E
then along the minor arc of a circle of 80.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 13 26 16S 130 00 54E
13 56 38S 129 34 00E,
then along the minor arc of a circle of 120.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 59 22S 128 56 35E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R264G DARWIN
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 13 13 15S 128 07 20E, 12 59 22S 128 56 35E
then along the minor arc of a circle of 120.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 13 56 38S 129 34 00E
14 34 32S 129 00 13E,
then along the minor arc of a circle of 170.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 13 13 15S 128 07 20E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R264H DARWIN
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 13 26 16S 130 00 54E, 12 44 26S 130 37 42E
then along the minor arc of a circle of 25.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 49 20S 130 46 39E
13 41 06S 130 26 55E,
then along the minor arc of a circle of 80.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 13 26 16S 130 00 54E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R264J DARWIN
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 13 56 38S 129 34 00E, 13 26 16S 130 00 54E
then along the minor arc of a circle of 80.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 13 41 06S 130 26 55E
14 18 44S 130 12 30E,
then along the minor arc of a circle of 120.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 13 56 38S 129 34 00E
VERTICAL LIMITS: 5000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R264K DARWIN
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 14 34 32S 129 00 13E, 13 56 38S 129 34 00E
then along the minor arc of a circle of 120.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 14 18 44S 130 12 30E
15 05 44S 129 54 21E,
then along the minor arc of a circle of 170.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 14 34 32S 129 00 13E
VERTICAL LIMITS: 5000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R265A EDINBURGH
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 34 43 37S 138 31 27E, 34 20 11S 138 22 31E
then along the minor arc of a circle of 25.00NM radius centred on
34 42 17S 138 36 45E (EDN/TAC) to 34 25 56S 138 59 41E
34 42 14S 138 42 45E, 34 45 48S 138 37 07E
then along LITTLE PARA RVR to 34 46 20S 138 35 36E
34 46 29S 138 34 13E,
then along the minor arc of a circle of 5.00NM radius centred on
34 42 09S 138 37 15E (YPED/AD) to 34 43 37S 138 31 27E
VERTICAL LIMITS: 4500 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R265B EDINBURGH
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 34 20 11S 138 22 31E, 34 07 56S 138 18 15E
then along the minor arc of a circle of 50.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 34 17 16S 139 08 38E
34 25 56S 138 59 41E,

then along the minor arc of a circle of 25.00NM radius centred on 34 42 17S 138 36 45E (EDN/TAC) to 34 20 11S 138 22 31E
VERTICAL LIMITS: 3500 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R265C EDINBURGH
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 34 07 56S 138 18 15E, 33 53 29S 138 13 16E
then along the minor arc of a circle of 65.00NM radius centred on 34 56 49S 138 31 28E (AD/DME) to 34 05 49S 139 20 23E
34 17 16S 139 08 38E,
then along the minor arc of a circle of 50.00NM radius centred on 34 56 49S 138 31 28E (AD/DME) to 34 07 56S 138 18 15E
VERTICAL LIMITS: 8500 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R265D EDINBURGH
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 33 29 59S 138 05 12E, 33 18 46S 138 06 46E
then along the minor arc of a circle of 100.00NM radius centred on 34 56 49S 138 31 28E (AD/DME) to 33 27 05S 139 25 03E
33 42 20S 139 44 17E, 34 05 49S 139 20 23E
then along the minor arc of a circle of 65.00NM radius centred on 34 56 49S 138 31 28E (AD/DME) to 33 53 29S 138 13 16E
33 29 59S 138 05 12E
VERTICAL LIMITS: 9500 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YBBB/R268 KOOLENDONG
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 15 16 10S 129 50 44E, 14 47 55S 129 56 58E
then along FITZMAURICE RIVER 3 to 14 47 48S 130 06 44E
then along FITZMAURICE RIVER 4 to 14 50 06S 130 11 19E
then along FITZMAURICE RIVER 5 to 14 52 10S 130 22 52E
then along FITZMAURICE RIVER 6 to 14 51 10S 130 31 19E
then along FITZMAURICE RIVER 7 to 14 49 29S 130 37 53E
14 55 36S 130 45 23E,
then along YAMBARRAN RANGE1 1 to 14 56 08S 130 43 35E
then along YAMBARRAN RANGE1 2 to 14 54 01S 130 37 42E
then along YAMBARRAN RANGE1 3 to 14 58 51S 130 34 47E
then along YAMBARRAN RANGE1 4 to 15 05 49S 130 34 13E
then along YAMBARRAN RANGE1 5 to 15 08 15S 130 33 28E
then along YAMBARRAN RANGE1 6 to 15 10 42S 130 29 30E
then along YAMBARRAN RANGE1 7 to 15 13 31S 130 28 54E
then along YAMBARRAN RANGE1 8 to 15 17 37S 130 27 39E
then along YAMBARRAN RANGE1 9 to 15 14 31S 130 22 10E
then along YAMBARRAN RANGE1 10 to 15 18 29S 130 18 32E
then along YAMBARRAN RANGE 1 to 15 22 24S 130 14 45E
then along THE VICTORIA RIVER 6 to 15 23 26S 130 14 23E
then along THE VICTORIA RIVER 7 to 15 24 16S 130 05 11E
then along THE VICTORIA RIVER 8 to 15 26 11S 129 57 38E
then along THE VICTORIA RIVER 9 to 15 20 50S 129 52 09E
then along THE VICTORIA RIVER 10 to 15 16 10S 129 50 44E
VERTICAL LIMITS: SFC - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Koolendong

YBBB/R269 ANGALARRI NORTH
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 14 55 36S 130 45 23E, 14 55 43S 131 00 00E
15 12 01S 131 00 00E,
then along THE IKYMBON RIVER to 15 11 48S 130 55 52E
then along THE ANGALARRI/IKYMBON RIVERS 1 to 15 21 59S 130 16 09E
then along THE VICTORIA RIVER 5 to 15 22 24S 130 14 45E
then along YAMBARRAN RANGE 1 to 15 18 29S 130 18 32E
then along YAMBARRAN RANGE1 10 to 15 14 31S 130 22 10E
then along YAMBARRAN RANGE1 9 to 15 17 37S 130 27 39E
then along YAMBARRAN RANGE1 8 to 15 13 31S 130 28 54E
then along YAMBARRAN RANGE1 7 to 15 10 42S 130 29 30E
then along YAMBARRAN RANGE1 6 to 15 08 15S 130 33 28E
then along YAMBARRAN RANGE1 5 to 15 05 49S 130 34 13E
then along YAMBARRAN RANGE1 4 to 14 58 51S 130 34 47E
then along YAMBARRAN RANGE1 3 to 14 54 01S 130 37 42E
then along YAMBARRAN RANGE1 2 to 14 56 08S 130 43 35E
then along YAMBARRAN RANGE1 1 to 14 55 36S 130 45 23E
VERTICAL LIMITS: SFC - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Angalarri North

YBBB/R270 ANGALARRI SOUTH
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 15 21 05S 130 47 52E, 15 32 10S 130 47 53E
then along THE VICTORIA RIVER 1 to 15 37 12S 130 40 05E
then along THE VICTORIA RIVER 2 to 15 35 13S 130 31 51E
then along THE VICTORIA RIVER 3 to 15 35 45S 130 29 27E
then along the minor arc of a circle of 3.00NM radius centred on 15 37 14S 130 26 44E (YTBR/ALA) to 15 36 15S 130 23 48E
then along THE VICTORIA RIVER 5 5 to 15 31 36S 130 22 22E
then along THE VICTORIA RIVER 4 to 15 21 59S 130 16 09E
then along THE ANGALARRI/IKYMBON RIVERS 1 to 15 11 48S 130 55 52E
then along THE IKYMBON RIVER to 15 12 01S 131 00 00E
15 21 05S 131 00 00E, 15 21 05S 130 47 52E
VERTICAL LIMITS: SFC - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Angalarri South

YBBB/R272 BATHURST ISLAND
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: A circle of 1.00NM radius centred on 11 45 34S 130 02 05E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R273 WOOMERA
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 30 51 15S 137 00 35E, 30 52 00S 137 24 00E
31 11 50S 137 21 26E,
then along the minor arc of a circle of 28.00NM radius centred on 31 08 39S 136 49 01E (YPWR/AD) to 31 34 53S 137 00 35E
30 51 15S 137 00 35E
VERTICAL LIMITS: SFC - UNL
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R275 WOOMERA
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: A circle of 0.50NM radius centred on 31 08 12S 136 47 48E
VERTICAL LIMITS: SFC - 2100
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: RAAF WTF Woomera

YMMM/R279 EDINBURGH
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 35 21 44S 136 33 21E, 35 18 08S 136 52 48E
then along COAST/YORKE PENINSULA 1 to 35 13 44S 136 59 23E
then along COAST/YORKE PENINSULA 2 to 35 14 29S 137 09 04E
then along COAST/YORKE PENINSULA 3 to 35 10 01S 137 18 48E
then along COAST/YORKE PENINSULA 4 to 35 08 15S 137 35 20E
then along COAST/YORKE PENINSULA 5 to 35 07 28S 137 44 19E
then along COAST/YORKE PENINSULA 6 to 35 01 01S 137 45 30E
then along COAST/YORKE PENINSULA 7 to 34 58 12S 137 46 05E
34 57 38S 138 03 31E,
then along the minor arc of a circle of 23.00NM radius centred on 34 56 49S 138 31 28E (AD/DME) to 35 05 02S 138 05 19E
35 35 27S 137 23 33E,
then along COAST/KANGAROO IS 5 to 35 37 19S 137 12 31E
then along COAST/KANGAROO IS 4 to 35 39 24S 137 06 29E
then along COAST/KANGAROO IS 3 to 35 40 25S 136 59 32E
then along COAST/KANGAROO IS 2 to 35 41 24S 136 52 12E
then along COAST KANGAROO IS 7 7 to 35 43 19S 136 43 13E
then along the minor arc of a circle of 100.00NM radius centred on 34 56 49S 138 31 28E (AD/DME) to 35 21 44S 136 33 21E
VERTICAL LIMITS: SFC - FL250
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R281 LAKE HART
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: A circle of 5.00NM radius centred on 31 03 00S 136 28 00E
VERTICAL LIMITS: SFC - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R282 ADELAIDE
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 35 45 40S 138 18 03E, 36 10 00S 138 10 00E
36 15 26S 137 31 00E, 36 52 11S 137 04 08E
then along the minor arc of a circle of 150.00NM radius centred on 34 42 17S 138 36 45E (EDN/TAC) to 37 03 57S 139 38 12E
35 54 48S 139 07 39E, 35 42 02S 138 57 43E
then along the minor arc of a circle of 50.00NM radius centred on 34 56 49S 138 31 28E (AD/DME) to 35 45 40S 138 18 03E
VERTICAL LIMITS: SFC - FL600
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R286 PINE LEA
CONDITIONAL STATUS: RA3
EXPLOSIVES STORAGE
LATERAL LIMITS: A circle of 1.00NM radius centred on 34 35 34S 139 39 45E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Safework SA Govt

YMMM/R287A WOOMERA
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 30 25 30S 136 48 05E, 30 19 32S 136 58 59E
30 23 48S 137 00 35E, 30 32 00S 137 17 00E
30 40 42S 137 20 02E, 30 52 00S 137 24 00E
30 51 15S 137 00 35E, 30 30 54S 136 46 50E
then along the minor arc of a circle of 5.30NM radius centred on 30 29 06S 136 52 36E (YOLD/AD) to 30 25 30S 136 48 05E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R287B WOOMERA
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 30 25 30S 136 48 05E, 30 19 32S 136 58 59E
30 23 48S 137 00 35E, 30 32 00S 137 17 00E
30 40 42S 137 20 02E, 30 52 00S 137 24 00E
30 51 15S 137 00 35E, 30 30 54S 136 46 50E
then along the minor arc of a circle of 5.30NM radius centred on 30 29 06S 136 52 36E (YOLD/AD) to 30 25 30S 136 48 05E
VERTICAL LIMITS: 2000 - 4000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R287C WOOMERA
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 30 25 30S 136 48 05E, 30 19 32S 136 58 59E
30 23 48S 137 00 35E, 30 32 00S 137 17 00E
30 40 42S 137 20 02E, 30 52 00S 137 24 00E
30 51 15S 137 00 35E, 30 30 54S 136 46 50E
then along the minor arc of a circle of 5.30NM radius centred on 30 29 06S 136 52 36E (YOLD/AD) to 30 25 30S 136 48 05E
VERTICAL LIMITS: 4000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EDINBURGH FLT

YMMM/R289A MURRAY BRIDGE
CONDITIONAL STATUS: RA3
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 35 09 00S 139 20 00E, 35 04 00S 139 20 00E
35 04 00S 139 30 00E, 35 09 00S 139 30 00E
35 09 00S 139 20 00E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: D 2130-1330 EXPH (1HR EARLIER HDS) or as amended by NOTAM
CONTROLLING AUTHORITY: Army RCO Murray Bridge

YMMM/R289B MURRAY BRIDGE
CONDITIONAL STATUS: RA3
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 35 09 00S 139 20 00E, 35 04 00S 139 20 00E
35 04 00S 139 30 00E, 35 09 00S 139 30 00E
35 09 00S 139 20 00E
VERTICAL LIMITS: 2500 - 7000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Murray Bridge

YMMM/R292A PORT WAKEFIELD
CONDITIONAL STATUS: RA3
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 34 27 06S 138 08 30E, 34 13 30S 138 08 30E
34 13 30S 138 11 59E,
then along PORT WAKEFIELD RD to 34 19 57S 138 16 15E
34 25 18S 138 16 06E, 34 27 15S 138 13 29E
34 27 06S 138 08 30E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Army RCO Port Wakefield

YMMM/R292B PORT WAKEFIELD
CONDITIONAL STATUS: RA3
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 34 13 30S 138 08 30E, 34 13 30S 138 11 59E
then along PORT WAKEFIELD RD to 34 19 57S 138 16 15E
34 25 18S 138 16 06E, 34 27 15S 138 13 29E
34 27 06S 138 08 30E, 34 13 30S 138 08 30E
VERTICAL LIMITS: 8500 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Port Wakefield

YMMM/R292C PORT WAKEFIELD
CONDITIONAL STATUS: RA3
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 34 25 47S 138 15 27E, 34 29 30S 138 16 30E
34 29 30S 138 08 30E, 34 27 06S 138 08 30E
34 27 15S 138 13 29E, 34 25 47S 138 15 27E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Port Wakefield

YMMM/R292D PORT WAKEFIELD
CONDITIONAL STATUS: RA3
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 34 29 30S 138 16 30E, 34 34 00S 138 18 00E
34 34 00S 138 08 30E, 34 29 30S 138 08 30E
34 29 30S 138 16 30E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Port Wakefield

YMMM/R292E PORT WAKEFIELD
CONDITIONAL STATUS: RA3
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 34 24 00S 138 03 30E, 34 13 30S 138 03 30E
34 13 30S 138 08 30E, 34 24 00S 138 08 30E
34 24 00S 138 03 30E
VERTICAL LIMITS: SFC - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Port Wakefield

YMMM/R292F PORT WAKEFIELD
CONDITIONAL STATUS: RA3
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 34 24 00S 138 03 30E, 34 29 27S 138 03 30E
34 34 00S 138 06 30E, 34 34 00S 138 08 30E
34 24 00S 138 08 30E, 34 24 00S 138 03 30E
VERTICAL LIMITS: SFC - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Port Wakefield

YMMM/R298 PELICAN POINT
CONDITIONAL STATUS: RA3
HEAT PLUME AVOIDANCE
LATERAL LIMITS: A circle of 0.25NM radius centred on
34 45 56S 138 30 21E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: International Power Australia

YMMM/R321 LAVERTON
CONDITIONAL STATUS: RA3
GAS PEAKING POWER STATION
LATERAL LIMITS: A circle of 0.30NM radius centred on
37 50 29S 144 47 18E
VERTICAL LIMITS: SFC - 2900AMSL
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Snowy Hydro Laverton

YMMM/R323A WESTERN PORT
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 38 32 23S 144 41 41E, 38 30 00S 144 55 22E
then along the major arc of a circle of 5.00NM radius centred on
38 28 55S 145 01 35E to 38 32 52S 145 05 28E
38 35 30S 145 08 30E, 38 43 58S 145 08 32E
then along the minor arc of a circle of 16.00NM radius centred on
38 28 55S 145 01 35E to 38 32 23S 144 41 41E
VERTICAL LIMITS: SFC - 9000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy HMAS Cerberus

YMMM/R323B WESTERN PORT
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 38 28 55S 145 01 35E, 38 32 23S 144 41 41E
then along the minor arc of a circle of 16.00NM radius centred on
38 28 55S 145 01 35E to 38 44 55S 145 02 00E
38 29 07S 145 02 00E, 38 28 55S 145 01 35E
VERTICAL LIMITS: SFC - FL550
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy HMAS Cerberus

YMMM/R325A SERPENTINE
CONDITIONAL STATUS: RA3

MODEL ROCKET ACTIVITY
LATERAL LIMITS: A circle of 3.00NM radius centred on 36 28 57S 144 01 02E
VERTICAL LIMITS: SFC - FL125
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Airservices Australia

YMMM/R325B SERPENTINE
CONDITIONAL STATUS: RA3
MODEL ROCKET ACTIVITY
LATERAL LIMITS: A circle of 3.00NM radius centred on 36 28 57S 144 01 02E
VERTICAL LIMITS: FL125 - FL270
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Airservices Australia

YMMM/R330A POINT COOK
CONDITIONAL STATUS: RA3
MILITARY FLYING
LATERAL LIMITS: 37 55 42S 144 48 00E, 37 54 42S 144 41 45E then along the major arc of a circle of 3.00NM radius centred on 37 55 56S 144 45 12E (YMPC/AD) to 37 57 58S 144 48 00E 37 55 42S 144 48 00E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: TUE,THU,SUN 0315-0345 (1HR EARLIER HDS) or as amended by NOTAM
CONTROLLING AUTHORITY: Airfield Manager Point Cook

YMMM/R330B POINT COOK
CONDITIONAL STATUS: RA3
MILITARY FLYING
LATERAL LIMITS: 37 54 42S 144 41 45E, 37 55 42S 144 48 00E 37 57 58S 144 48 00E,
then along the minor arc of a circle of 3.00NM radius centred on 37 55 56S 144 45 12E (YMPC/AD) to 37 54 42S 144 41 45E
VERTICAL LIMITS: SFC - 4500
HOURS OF ACTIVITY: TUE,THU,SUN 0315-0345 (1HR EARLIER HDS) or as amended by NOTAM
CONTROLLING AUTHORITY: Airfield Manager Point Cook

YMMM/R332 HANNS INLET
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: A circle of 1.50NM radius centred on 38 22 48S 145 12 00E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: D 2100-1300 EXPH (1HR EARLIER HDS) or as amended by NOTAM
CONTROLLING AUTHORITY: Navy HMAS Cerberus

YMMM/R339 CAPE SCHANCK
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 38 51 00S 144 21 00E, 38 38 00S 144 41 00E 38 36 16S 144 43 28E,
then along the minor arc of a circle of 16.00NM radius centred on 38 28 55S 145 01 35E to 38 44 45S 145 04 34E
38 49 30S 144 56 30E, 39 02 00S 144 34 00E
38 51 00S 144 21 00E
VERTICAL LIMITS: NOTAM - FL550
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy HMAS Cerberus

YMMM/R350A PUCKAPUNYAL
CONDITIONAL STATUS: RA3
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 37 01 30S 144 49 30E, 36 52 40S 144 49 30E 36 50 00S 144 56 00E, 36 52 30S 144 56 00E
36 52 35S 145 03 45E, 36 55 00S 145 05 30E
37 01 30S 144 59 00E, 37 01 30S 144 49 30E
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Army RCO Puckapunyal

YMMM/R350B PUCKAPUNYAL
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 37 01 30S 144 49 30E, 36 52 40S 144 49 30E 36 50 00S 144 56 00E, 36 52 30S 144 56 00E
36 52 35S 145 03 45E, 36 55 00S 145 05 30E
37 01 30S 144 59 00E, 37 01 30S 144 49 30E
VERTICAL LIMITS: 5000 - FL200
HOURS OF ACTIVITY: D 2100-1200 (1HR EARLIER HDS) or as amended by NOTAM
CONTROLLING AUTHORITY: Army RCO Puckapunyal

YMMM/R351A GRAYTOWN
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: 36 52 30S 144 56 00E, 36 50 00S 144 56 00E 36 50 00S 145 02 00E, 36 52 35S 145 03 45E
36 52 30S 144 56 00E
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Army RCO Graytown

YMMM/R351B GRAYTOWN
CONDITIONAL STATUS: RA2
MILITARY NON-FLYING
LATERAL LIMITS: 36 52 30S 144 56 00E, 36 50 00S 144 56 00E 36 50 00S 145 02 00E, 36 52 35S 145 03 45E
36 52 30S 144 56 00E
VERTICAL LIMITS: 5000 - FL150
HOURS OF ACTIVITY: D 2100-1200 (1HR EARLIER HDS) or as amended by NOTAM
CONTROLLING AUTHORITY: Army RCO Graytown

YMMM/R351C GRAYTOWN
CONDITIONAL STATUS: RA2
MILITARY NON-FLYING
LATERAL LIMITS: 36 52 30S 144 56 00E, 36 50 00S 144 56 00E 36 50 00S 145 02 00E, 36 52 35S 145 03 45E
36 52 30S 144 56 00E
VERTICAL LIMITS: FL150 - FL500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Graytown

YMMM/R352 PUCKAPUNYAL
CONDITIONAL STATUS: RA3
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 36 55 00S 145 05 30E, 37 01 30S 144 59 00E 36 59 33S 145 03 39E, 36 55 00S 145 05 30E
VERTICAL LIMITS: SFC - 3000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Puckapunyal

YMMM/R358A EAST SALE
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: A circle of 20.00NM radius centred on 38 05 56S 147 08 58E (YMES/AD)
VERTICAL LIMITS: SFC - FL450
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EAST SALE FLT

YMMM/R358B EAST SALE
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 37 56 51S 146 46 25E, 37 49 53S 146 29 38E then along the minor arc of a circle of 35.00NM radius centred on 38 05 56S 147 08 58E (YMES/AD) to 37 31 45S 147 18 39E 37 46 25S 147 14 39E, then along the minor arc of a circle of 20.00NM radius centred on 38 05 56S 147 08 58E (YMES/AD) to 37 56 51S 146 46 25E
VERTICAL LIMITS: 4000 - FL450
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EAST SALE FLT

YMMM/R358C EAST SALE
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 37 49 53S 146 29 38E, 37 42 53S 146 12 54E then along the minor arc of a circle of 50.00NM radius centred on 38 05 56S 147 08 58E (YMES/AD) to 37 17 04S 147 22 39E 37 31 45S 147 18 39E, then along the minor arc of a circle of 35.00NM radius centred on 38 05 56S 147 08 58E (YMES/AD) to 37 49 53S 146 29 38E
VERTICAL LIMITS: 6000 - FL450
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EAST SALE FLT

YMMM/R358D EAST SALE
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 38 33 45S 146 16 09E, 38 17 16S 146 48 04E then along the major arc of a circle of 20.00NM radius centred on 38 05 56S 147 08 58E (YMES/AD) to 37 46 25S 147 14 39E 37 17 04S 147 22 39E, then along the major arc of a circle of 50.00NM radius centred on 38 05 56S 147 08 58E (YMES/AD) to 38 33 45S 146 16 09E
VERTICAL LIMITS: 4000 - FL450
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EAST SALE FLT

YMMM/R358E EAST SALE
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 37 42 53S 146 12 54E, 37 56 51S 146 46 25E then along the minor arc of a circle of 20.00NM radius centred on 38 05 56S 147 08 58E (YMES/AD) to 38 17 16S 146 48 04E 38 33 45S 146 16 09E, then along the minor arc of a circle of 50.00NM radius centred on 38 05 56S 147 08 58E (YMES/AD) to 37 42 53S 146 12 54E
VERTICAL LIMITS: 6000 - FL450
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EAST SALE FLT

YMMM/R362A STONY HEAD
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: 41 03 10S 146 56 25E, 41 01 44S 146 55 54E then along NORTH COAST to 41 00 01S 147 04 50E 41 03 54S 147 04 06E, 41 03 10S 146 56 25E
VERTICAL LIMITS: SFC - 3500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army DOTAM VIC/TAS

YMMM/R362B STONY HEAD
CONDITIONAL STATUS: RA2
MILITARY NON-FLYING
LATERAL LIMITS: 41 03 10S 146 56 25E, 41 01 44S 146 55 54E then along NORTH COAST to 41 00 01S 147 04 50E 41 03 54S 147 04 06E, 41 03 10S 146 56 25E
VERTICAL LIMITS: 3500 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army DOTAM VIC/TAS

YMMM/R363 MULWALA
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: A circle of 1.15NM radius centred on 35 58 40S 145 58 44E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Thales Mulwala

YMMM/R364 BENALLA
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: A circle of 1.00NM radius centred on 36 29 18S 145 59 35E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Thales Benalla

YMMM/R368 ALBURY
CONDITIONAL STATUS: RA2
MILITARY NON-FLYING
LATERAL LIMITS: A circle of 0.50NM radius centred on 36 03 35S 147 01 38E
VERTICAL LIMITS: SFC - 2200
HOURS OF ACTIVITY: NOTAM

CONTROLLING AUTHORITY: Army RCO Albury

YMMM/R374 SWAN ISLAND
CONDITIONAL STATUS: RA3
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: A circle of 1.00NM radius centred on 38 14 50S 144 41 30E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Army RCO Swan Island

YMMM/R379A BUCKLAND
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: 42 30 12S 147 39 04E, 42 20 25S 147 46 01E 42 20 26S 147 54 21E, 42 31 49S 147 51 23E 42 30 12S 147 39 04E
VERTICAL LIMITS: SFC - 4000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army DOTAM VIC/TAS

YMMM/R379B BUCKLAND
CONDITIONAL STATUS: RA2
MILITARY NON-FLYING
LATERAL LIMITS: 42 30 12S 147 39 04E, 42 20 25S 147 46 01E 42 20 26S 147 54 21E, 42 31 49S 147 51 23E 42 30 12S 147 39 04E
VERTICAL LIMITS: 4000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army DOTAM VIC/TAS

YMMM/R380 PONTVILLE
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: 42 41 08S 147 16 30E, 42 40 26S 147 16 00E 42 39 03S 147 18 16E, 42 40 22S 147 19 30E 42 41 08S 147 16 30E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army DOTAM VIC/TAS

YMMM/R391A DUTSON
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 38 11 00S 147 15 00E, 38 08 57S 147 13 58E 38 08 57S 147 19 03E, 38 12 00S 147 18 30E 38 11 00S 147 15 00E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EAST SALE FLT

YMMM/R391B DUTSON
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 38 08 57S 147 13 58E, 38 06 00S 147 12 30E 38 06 30S 147 19 30E, 38 08 57S 147 19 03E 38 08 57S 147 13 58E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN EAST SALE FLT

YMMM/R405A SYDNEY
CONDITIONAL STATUS: RA3
HELICOPTERS & SEAPLANES
LATERAL LIMITS: 33 50 44S 151 07 48E, 33 50 36S 151 07 11E
then along STH BANK PARRAMATTA RVR 8 to 33 50 10S 151 06 14E
then along S BANK PARRAMATTA RVR 2 to 33 49 37S 151 05 37E
then along S BANK PARRAMATTA RVR 8 to 33 49 26S 151 05 17E
then along the minor arc of a circle of 8.50NM radius centred on 33 56 34S 151 10 51E (SY/DME) to 33 48 03S 151 10 53E
then along THE PACIFIC HWY 2 to 33 51 10S 151 12 41E
33 51 20S 151 12 28E,
then along THE S BANK PARRAMATTA RVR to 33 52 27S 151 11 59E
then along S BANK PARRAMATTA RVR 6 to 33 51 33S 151 11 45E
then along S BANK PARRAMATTA RVR 5 to 33 50 58S 151 10 50E
33 50 50S 151 10 20E, 33 50 57S 151 09 53E
33 50 51S 151 09 19E,
then along S BANK PARRAMATTA RVR 4 to 33 50 43S 151 08 38E
33 50 52S 151 08 29E,
then along S BANK PARRAMATTA RVR 3 to 33 50 44S 151 07 48E
VERTICAL LIMITS: SFC - 500
HOURS OF ACTIVITY: HJ
CONTROLLING AUTHORITY: CASA OAR

YMMM/R405B SYDNEY
CONDITIONAL STATUS: RA3
HELICOPTERS & SEAPLANES
LATERAL LIMITS: 33 49 50S 151 17 05E, 33 50 06S 151 16 52E
then along SOUTHERN SHORE HARBOUR 5 to 33 51 09S 151 16 15E
then along SOUTHERN SHORE HARBOUR 4 to 33 52 22S 151 15 26E
then along SOUTHERN SHORE HARBOUR 3 to 33 51 56S 151 15 13E
then along SOUTHERN SHORE HARBOUR 2 to 33 51 33S 151 13 46E
then along SOUTHERN SHORE HARBOUR 1 to 33 51 20S 151 12 28E
33 51 10S 151 12 41E,
then along THE PACIFIC HWY 2 to 33 48 03S 151 10 53E
then along the minor arc of a circle of 8.50NM radius centred on 33 56 34S 151 10 51E (SY/DME) to 33 49 50S 151 17 05E
VERTICAL LIMITS: SFC - 1000
HOURS OF ACTIVITY: HJ
CONTROLLING AUTHORITY: CASA OAR

YMMM/R406 TEMORA
CONDITIONAL STATUS: RA2
AIR DISPLAYS
LATERAL LIMITS: A circle of 5.00NM radius centred on 34 25 17S 147 30 42E (YTEM/AD)
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Temora Historic Flight Club

YMMM/R408 WAGGA
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: A circle of 0.05NM radius centred on

35 10 13S 147 27 57E
VERTICAL LIMITS: SFC - 1900
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: RAAF BCP Wagga

YMMM/R409A BYROCK
CONDITIONAL STATUS: RA2
SURFACE FIRING RANGE
LATERAL LIMITS: A circle of 2.00NM radius centred on 30 41 15S 146 38 40E
VERTICAL LIMITS: SFC - 3000
HOURS OF ACTIVITY: W 2200-0600 (1HR EARLIER HDS) EXPH
CONTROLLING AUTHORITY: Detonics Firing Range

YMMM/R409B BYROCK
CONDITIONAL STATUS: RA3
SURFACE FIRING RANGE
LATERAL LIMITS: A circle of 2.00NM radius centred on 30 41 15S 146 38 40E
VERTICAL LIMITS: 3000 - 6000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Detonics Firing Range

YMMM/R415 WAGGA
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: 35 10 29S 147 28 15E, 35 10 09S 147 28 19E
35 10 14S 147 29 03E, 35 10 50S 147 28 57E
35 10 42S 147 27 49E, 35 10 19S 147 27 53E
35 10 29S 147 28 15E
VERTICAL LIMITS: SFC - 1900
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: RAAF BCP Wagga

YMMM/R418 KAPOOKA
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: A circle of 1.50NM radius centred on 35 09 30S 147 16 30E
VERTICAL LIMITS: SFC - 3000
HOURS OF ACTIVITY: MON,WED,THU, FRI 2100-1000
TUE 2100-1400 (1HR EARLIER HDS) OR AS AMENDED BY NOTAM
CONTROLLING AUTHORITY: Army RCO Kapooka

YMMM/R420A NOWRA
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 34 59 16S 150 21 24E, 35 03 10S 150 15 21E
then along the minor arc of a circle of 15.00NM radius centred on 34 57 00S 150 32 00E (NWA/TAC) to 34 43 16S 150 24 37E
then along the minor arc of a circle of 15.00NM radius centred on 34 57 00S 150 32 00E (NWA/TAC) to 34 45 06S 150 43 07E
34 52 09S 150 32 26E,
then along THE S SHORE SHOALHAVEN RVR 2 to 34 51 58S 150 29 55E 34 50 19S 150 24 40E,
then along the minor arc of a circle of 9.00NM radius centred on 34 57 00S 150 32 00E (NWA/TAC) to 34 59 16S 150 21 24E
VERTICAL LIMITS: SFC - FL125
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN NOWRA FLT

YMMM/R420B NOWRA
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 34 50 19S 150 24 40E, 34 51 58S 150 29 55E
then along THE S SHORE SHOALHAVEN RVR 2 to 34 52 09S 150 32 26E 34 59 16S 150 21 24E,
then along the minor arc of a circle of 9.00NM radius centred on 34 57 00S 150 32 00E (NWA/TAC) to 34 50 19S 150 24 40E
VERTICAL LIMITS: 2500 - FL125
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN NOWRA FLT

YMMM/R420C NOWRA
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 34 52 09S 150 32 26E, 34 45 06S 150 43 07E
34 43 56S 151 00 00E, 34 56 07S 150 59 57E
then along the minor arc of a circle of 23.00NM radius centred on 34 57 00S 150 32 00E (NWA/TAC) to 35 08 13S 150 07 32E
34 59 16S 150 21 24E,
then along the major arc of a circle of 9.00NM radius centred on 34 57 00S 150 32 00E (NWA/TAC) to 34 52 23S 150 41 24E
34 51 22S 150 38 45E,
then along THE S SHORE SHOALHAVEN RVR 1 to 34 52 09S 150 32 26E
VERTICAL LIMITS: SFC - FL125
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN NOWRA FLT

YMMM/R420D NOWRA
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 34 59 16S 150 21 24E, 34 52 09S 150 32 26E
then along THE S SHORE SHOALHAVEN RVR 1 to 34 51 22S 150 38 45E 34 52 23S 150 41 24E,
then along the major arc of a circle of 9.00NM radius centred on 34 57 00S 150 32 00E (NWA/TAC) to 34 59 16S 150 21 24E
VERTICAL LIMITS: 2500 - FL125
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN NOWRA FLT

YMMM/R420E NOWRA
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 34 45 06S 150 43 07E, 34 40 30S 150 51 00E
34 40 30S 151 03 00E, 34 43 56S 151 00 00E
34 45 06S 150 43 07E
VERTICAL LIMITS: 1500 - FL125
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN NOWRA FLT

YMMM/R420F NOWRA
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 34 45 06S 150 43 07E, 34 40 30S 150 51 00E
34 40 30S 151 03 00E, 34 43 56S 151 00 00E
34 56 07S 150 59 57E,
then along the minor arc of a circle of 23.00NM radius centred on 34 57 00S 150 32 00E (NWA/TAC) to 35 08 13S 150 07 32E

34 59 16S 150 21 24E, 34 52 09S 150 32 26E
34 45 06S 150 43 07E
VERTICAL LIMITS: FL125 - FL300
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN NOWRA FLT

YMMM/R424 CANBERRA
CONDITIONAL STATUS: RA3
RADIO TELESCOPE
LATERAL LIMITS: A circle of 1.00NM radius centred on 35 22 30S 149 25 30E
VERTICAL LIMITS: SFC - 3500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: SRPSU

YMMM/R428 TIDBINBILLA
CONDITIONAL STATUS: RA3
RADIATION HAZARD
LATERAL LIMITS: A circle of 3.00NM radius centred on 35 23 57S 148 58 48E
VERTICAL LIMITS: SFC - 10000
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: CSIRO Tidbinbilla

YMMM/R429 TIDBINBILLA
CONDITIONAL STATUS: RA2
RADIATION HAZARD
LATERAL LIMITS: A circle of 5.00NM radius centred on 35 23 57S 148 58 48E
VERTICAL LIMITS: 4500 - 10000
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: CSIRO Tidbinbilla

YMMM/R452 BEECROFT HEAD
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 34 59 00S 151 07 00E, 35 08 54S 151 07 00E
35 05 27S 150 48 56E, 35 05 27S 150 47 12E
35 06 06S 150 42 48E, 35 04 20S 150 42 15E
35 02 18S 150 42 09E, 35 00 00S 150 44 00E
35 01 24S 150 47 15E, 35 01 24S 150 50 24E
34 59 00S 151 07 00E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YMMM/R453A TASMAN SEA
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 34 59 11S 150 42 37E, 34 59 59S 150 49 53E
then along the minor arc of a circle of 15.00NM radius centred on 34 57 00S 150 32 00E (NWA/TAC) to 34 57 30S 150 50 14E
34 57 24S 150 59 58E,
then along the minor arc of a circle of 23.00NM radius centred on 34 57 00S 150 32 00E (NWA/TAC) to 35 12 02S 150 53 14E
35 03 04S 150 40 06E,
then along the minor arc of a circle of 9.00NM radius centred on 34 57 00S 150 32 00E (NWA/TAC) to 34 59 11S 150 42 37E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YMMM/R453B TASMAN SEA
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 35 05 59S 150 33 00E, 35 19 57S 150 34 29E
then along the minor arc of a circle of 23.00NM radius centred on 34 57 00S 150 32 00E (NWA/TAC) to 35 12 02S 150 53 14E
35 03 04S 150 40 06E,
then along the minor arc of a circle of 9.00NM radius centred on 34 57 00S 150 32 00E (NWA/TAC) to 35 05 59S 150 33 00E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YMMM/R453C TASMAN SEA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 34 57 24S 150 59 58E, 34 57 02S 151 30 23E
then along the minor arc of a circle of 48.00NM radius centred on 34 57 00S 150 32 00E (NWA/TAC) to 35 13 27S 151 26 58E
35 05 04S 150 58 14E,
then along the minor arc of a circle of 23.00NM radius centred on 34 57 00S 150 32 00E (NWA/TAC) to 34 57 24S 150 59 58E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YMMM/R453D TASMAN SEA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 35 05 04S 150 58 14E, 35 13 27S 151 26 58E
then along the minor arc of a circle of 48.00NM radius centred on 34 57 00S 150 32 00E (NWA/TAC) to 35 28 00S 151 16 47E
35 12 02S 150 53 14E,
then along the minor arc of a circle of 23.00NM radius centred on 34 57 00S 150 32 00E (NWA/TAC) to 35 05 04S 150 58 14E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YMMM/R453E TASMAN SEA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 35 12 02S 150 53 14E, 35 28 00S 151 16 47E
then along the minor arc of a circle of 48.00NM radius centred on 34 57 00S 150 32 00E (NWA/TAC) to 35 38 38S 151 01 20E
35 16 58S 150 45 59E,
then along the minor arc of a circle of 23.00NM radius centred on 34 57 00S 150 32 00E (NWA/TAC) to 35 12 02S 150 53 14E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YMMM/R453F TASMAN SEA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 35 44 53S 150 37 10E, 35 19 57S 150 34 29E
then along the minor arc of a circle of 23.00NM radius centred on 34 57 00S 150 32 00E (NWA/TAC) to 35 16 58S 150 45 59E
35 38 38S 151 01 20E,

then along the minor arc of a circle of 48.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 35 44 53S 150 37 10E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YMMM/R453G TASMAN SEA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 34 57 02S 151 30 23E, 34 56 32S 151 59 35E
then along the minor arc of a circle of 72.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 35 21 23S 151 54 38E
35 13 27S 151 26 58E,
then along the minor arc of a circle of 48.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 34 57 02S 151 30 23E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YMMM/R453H TASMAN SEA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 35 13 27S 151 26 58E, 35 21 23S 151 54 38E
then along the minor arc of a circle of 72.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 35 43 14S 151 39 32E
35 28 00S 151 16 47E,
then along the minor arc of a circle of 48.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 35 13 27S 151 26 58E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YMMM/R453J TASMAN SEA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 35 28 00S 151 16 47E, 35 43 14S 151 39 32E
then along the minor arc of a circle of 72.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 35 59 23S 151 16 13E
35 38 38S 151 01 20E,
then along the minor arc of a circle of 48.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 35 28 00S 151 16 47E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YMMM/R453K TASMAN SEA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 35 38 38S 151 01 20E, 35 59 23S 151 16 13E
then along the minor arc of a circle of 72.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 36 08 50S 150 39 46E
35 44 53S 150 37 10E,
then along the minor arc of a circle of 48.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 35 38 38S 151 01 20E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YBBB-YMMM/R453L TASMAN SEA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 34 56 32S 151 59 35E, 34 56 01S 152 25 27E
35 18 59S 152 55 50E,
then along the minor arc of a circle of 120.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 35 36 56S 152 50 15E
35 21 23S 151 54 38E,
then along the minor arc of a circle of 72.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 34 56 32S 151 59 35E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YBBB-YMMM/R453M TASMAN SEA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 35 21 23S 151 54 38E, 35 36 56S 152 50 15E
then along the minor arc of a circle of 120.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 36 13 30S 152 25 29E
35 43 14S 151 39 32E,
then along the minor arc of a circle of 72.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 35 21 23S 151 54 38E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YBBB-YMMM/R453N TASMAN SEA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 35 43 14S 151 39 32E, 36 13 30S 152 25 29E
then along the minor arc of a circle of 120.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 36 40 48S 151 46 21E
35 59 23S 151 16 13E,
then along the minor arc of a circle of 72.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 35 43 14S 151 39 32E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YBBB-YMMM/R453P TASMAN SEA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 36 08 50S 150 39 46E, 36 56 43S 150 45 03E
then along the minor arc of a circle of 120.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 36 40 48S 151 46 21E
35 59 23S 151 16 13E,
then along the minor arc of a circle of 72.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 36 08 50S 150 39 46E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YMMM/R455 CANBERRA
CONDITIONAL STATUS: RA2
MILITARY NON-FLYING
LATERAL LIMITS: 35 16 05S 149 12 20E, 35 16 42S 149 12 20E
35 16 42S 149 15 00E, 35 13 20S 149 15 00E
35 13 20S 149 12 31E, 35 14 08S 149 12 20E
35 15 32S 149 12 20E, 35 15 33S 149 12 34E
35 16 05S 149 12 20E
VERTICAL LIMITS: SFC - 2700
HOURS OF ACTIVITY: MON-THU 2030-1300
FRI-SUN 2030-1230 (1HR EARLIER HDS) or as amended by NOTAM
CONTROLLING AUTHORITY: Army RCO Majura Canberra

YBBB-YMMM/R469 RICHMOND
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 33 42 11S 150 36 41E, 33 36 13S 150 22 41E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 14 17S 150 52 09E
33 31 39S 150 59 47E,
then along the major arc of a circle of 11.00NM radius centred on
33 36 27S 150 47 56E (RIC/TAC) to 33 42 11S 150 36 41E
VERTICAL LIMITS: SFC - 4500
HOURS OF ACTIVITY: D 2200-1300 (1HR EARLIER HDS)
OR AS AMENDED BY NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN RICHMOND FLT

YMMM/R470 RICHMOND
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 33 42 57S 150 38 44E, 33 42 11S 150 36 41E
then along the major arc of a circle of 11.00NM radius centred on
33 36 27S 150 47 56E (RIC/TAC) to 33 31 39S 150 59 47E
then along the minor arc of a circle of 11.00NM radius centred on
33 36 27S 150 47 56E (RIC/TAC) to 33 41 05S 150 59 53E
33 45 05S 150 54 00E, 33 42 57S 150 38 44E
VERTICAL LIMITS: SFC - 4500
HOURS OF ACTIVITY: D 2200-1300 (1HR EARLIER HDS)
OR AS AMENDED BY NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN RICHMOND FLT

YMMM/R473 NORTH HEAD
CONDITIONAL STATUS: RA3
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: A circle of 0.50NM radius centred on
33 49 20S 151 17 30E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army NDTAM North Head

YMMM/R485A TASMAN SEA
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 34 26 37S 151 09 46E, 34 06 00S 151 19 43E
34 06 00S 151 45 06E,
then along the minor arc of a circle of 30.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 26 37S 151 09 46E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YBBB-YMMM/R485B TASMAN SEA
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 34 30 00S 151 51 35E, 34 30 00S 151 08 07E
34 26 37S 151 09 46E,
then along the minor arc of a circle of 30.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 06 00S 151 45 06E
34 06 00S 152 03 16E, 34 30 00S 151 51 35E
VERTICAL LIMITS: SFC - 7500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YBBB-YMMM/R485C TASMAN SEA
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 34 20 29S 151 56 14E, 34 06 00S 152 03 16E
34 06 00S 152 34 17E,
then along the minor arc of a circle of 70.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 30 53S 152 24 28E
34 20 29S 151 56 14E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YBBB/R485D TASMAN SEA
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 34 50 59S 153 20 09E, 34 30 53S 152 24 28E
then along the minor arc of a circle of 70.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 06 00S 152 34 17E
34 06 00S 153 34 46E,
then along the minor arc of a circle of 120.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 50 59S 153 20 09E
VERTICAL LIMITS: SFC - FL125
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YBBB-YMMM/R485E TASMAN SEA
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 35 19 20S 152 56 18E, 34 30 00S 151 51 35E
34 20 29S 151 56 14E, 34 50 59S 153 20 09E
then along the minor arc of a circle of 120.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 35 19 20S 152 56 18E
VERTICAL LIMITS: SFC - FL205
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YBBB-YMMM/R489 TASMAN SEA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 33 38 02S 151 51 02E, 33 26 06S 152 00 27E
33 25 47S 152 22 03E, 33 44 42S 152 22 04E
33 47 23S 151 51 02E, 33 38 02S 151 51 02E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YBBB-YMMM/R494 RICHMOND
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 33 42 11S 150 36 41E, 33 36 13S 150 22 41E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 14 17S 150 52 09E
33 31 39S 150 59 47E,
then along the minor arc of a circle of 11.00NM radius centred on
33 36 27S 150 47 56E (RIC/TAC) to 33 41 05S 150 59 53E
33 45 05S 150 54 00E, 33 42 57S 150 38 44E
33 42 11S 150 36 41E
VERTICAL LIMITS: 4500 - FL280
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN RICHMOND FLT

YMMM/R495A TASMAN SEA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 34 40 30S 151 03 00E, 34 30 00S 151 08 07E
34 30 00S 151 30 00E, 34 57 02S 151 30 23E
34 57 24S 150 59 58E,
then along the minor arc of a circle of 23.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 34 56 07S 150 59 57E
34 43 56S 151 00 00E, 34 40 30S 151 03 00E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YMMM/R495B TASMAN SEA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 34 57 02S 151 30 23E, 34 30 00S 151 30 00E
34 30 00S 151 51 35E, 34 36 30S 151 59 59E
34 56 32S 151 59 35E, 34 57 02S 151 30 23E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YMMM/R495C TASMAN SEA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 34 56 32S 151 59 35E, 34 36 30S 151 59 59E
34 56 01S 152 25 27E, 34 56 32S 151 59 35E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YMMM/R520 MARRANGAROO
CONDITIONAL STATUS: RA3
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: A circle of 1.50NM radius centred on
33 25 39S 150 09 23E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: W 2130-0600 EXPH (1HR EARLIER HDS) or as amended by NOTAM
CONTROLLING AUTHORITY: Army RCO Holsworthy

YMMM/R521 LUCAS HEIGHTS
CONDITIONAL STATUS: RA3
ANSTO RESEARCH REACTOR
LATERAL LIMITS: A circle of 1.00NM radius centred on
34 03 10S 150 58 50E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: ANSTO

YBBB/R524 CULGOORA
CONDITIONAL STATUS: RA3
RADIO TELESCOPE
LATERAL LIMITS: A circle of 1.00NM radius centred on
30 18 46S 149 33 57E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: CSIRO Narrabri

YMMM/R525 PARKES
CONDITIONAL STATUS: RA3
RADIO TELESCOPE
LATERAL LIMITS: A circle of 1.00NM radius centred on
32 59 55S 148 15 50E
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: CSIRO Parkes

YBBB/R533 DENMAN
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: A circle of 2.00NM radius centred on
32 22 00S 150 38 00E
VERTICAL LIMITS: SFC - 3500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Thales Duty Officer

YMMM/R536A ORCHARD HILLS
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: A circle of 1.00NM radius centred on
33 49 00S 150 44 00E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: HJ or as amended by NOTAM
CONTROLLING AUTHORITY: RAAF OIC EODF Orchard Hills

YMMM/R536B ORCHARD HILLS
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: A circle of 1.00NM radius centred on
33 49 00S 150 44 00E
VERTICAL LIMITS: SFC - 3000
HOURS OF ACTIVITY: JO 2300-0600 (1HR EARLIER HDS) or as amended by NOTAM
CONTROLLING AUTHORITY: RAAF OIC EODF Orchard Hills

YMMM/R536C ORCHARD HILLS
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: A circle of 1.00NM radius centred on
33 49 00S 150 44 00E
VERTICAL LIMITS: SFC - 4500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: RAAF OIC EODF Orchard Hills

YBBB/R547 TAMWORTH
CONDITIONAL STATUS: RA2
MILITARY NON-FLYING
LATERAL LIMITS: A circle of 2.00NM radius centred on
31 17 00S 151 01 00E
VERTICAL LIMITS: SFC - 4000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army DO 12/16 HRL

YMMM/R555A HOLSWORTHY
CONDITIONAL STATUS: RA3

MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 34 02 32S 150 51 46E, 33 58 00S 150 54 43E
33 57 53S 150 57 19E, 34 01 05S 150 58 37E
34 02 32S 150 51 46E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Army RCO Holsworthy

YMMM/R555B HOLSWORTHY
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 34 02 32S 150 51 46E, 33 58 00S 150 54 43E
33 57 53S 150 57 19E, 34 01 05S 150 58 37E
34 02 32S 150 51 46E
VERTICAL LIMITS: 2500 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Holsworthy

YMMM/R555C HOLSWORTHY
CONDITIONAL STATUS: RA3
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 34 06 00S 150 49 30E, 34 02 32S 150 51 46E
34 01 05S 150 58 37E, 34 03 50S 150 59 42E
34 06 40S 150 56 08E, 34 11 00S 150 53 00E
34 11 00S 150 50 00E, 34 06 00S 150 49 30E
VERTICAL LIMITS: SFC - 3000
HOURS OF ACTIVITY: D 2100-1100 (1HR EARLIER HDS) or as amended by NOTAM
CONTROLLING AUTHORITY: Army RCO Holsworthy

YMMM/R555D HOLSWORTHY
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 34 06 00S 150 49 30E, 34 02 32S 150 51 46E
34 01 05S 150 58 37E, 34 03 50S 150 59 42E
34 06 40S 150 56 08E, 34 11 00S 150 53 00E
34 11 00S 150 50 00E, 34 06 00S 150 49 30E
NOTES: Refer ERSA Luscombe (Army airfield Holsworthy) special procedures
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Holsworthy

YMMM/R555F HOLSWORTHY
CONDITIONAL STATUS: RA3
MILITARY FLYING
LATERAL LIMITS: 33 57 53S 150 57 19E, 33 57 46S 150 57 55E
then along WESTERN BOUNDARY OF HEATHCOTE RD to 34 01 16S 150 58 41E 33 57 53S 150 57 19E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: JO 2200-1400 (1HR EARLIER HDS) or as amended by NOTAM
CONTROLLING AUTHORITY: 6 Aviation Regiment Operations Officer

YBBB-YMMM/R559A WILLIAMTOWN
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 33 20 48S 150 38 02E, 32 33 11S 149 43 17E
31 38 06S 150 29 05E, 32 03 38S 150 44 11E
33 14 18S 150 52 08E,
then along the minor arc of a circle of 45.00NM radius centred on 33 56 34S 151 10 51E (SY/DME) to 33 20 48S 150 38 02E
VERTICAL LIMITS: 7500 - FL260
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN WILLIAMTOWN FLT

YBBB/R559B WILLIAMTOWN
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 32 31 12S 149 41 02E, 31 50 59S 149 30 22E
31 24 47S 150 21 17E, 31 38 06S 150 29 05E
32 33 11S 149 43 17E, 32 31 12S 149 41 02E
VERTICAL LIMITS: 10000 - FL260
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN WILLIAMTOWN FLT

YBBB-YMMM/R559C WILLIAMTOWN
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 32 24 58S 149 14 00E, 32 04 39S 149 03 20E
31 50 59S 149 30 22E, 32 31 12S 149 41 02E
32 33 11S 149 43 17E, 32 34 15S 149 25 43E
32 24 58S 149 14 00E
VERTICAL LIMITS: 10000 - FL210
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN WILLIAMTOWN FLT

YBBB/R559D WILLIAMTOWN
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 31 50 59S 149 30 22E, 31 22 43S 149 22 59E
31 04 48S 150 09 38E, 31 24 47S 150 21 17E
31 50 59S 149 30 22E
VERTICAL LIMITS: 10000 - FL260
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN WILLIAMTOWN FLT

YBBB/R559E WILLIAMTOWN
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 32 04 39S 149 03 20E, 31 35 47S 148 48 19E
31 22 43S 149 22 59E, 31 50 59S 149 30 22E
32 04 39S 149 03 20E
VERTICAL LIMITS: 10000 - FL210
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN WILLIAMTOWN FLT

YBBB-YMMM/R559F WILLIAMTOWN
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 33 20 48S 150 38 02E, 32 33 11S 149 43 17E
31 38 06S 150 29 05E, 32 03 38S 150 44 11E
33 14 18S 150 52 08E,
then along the minor arc of a circle of 45.00NM radius centred on

33 56 34S 151 10 51E (SY/DME) to 33 20 48S 150 38 02E
VERTICAL LIMITS: FL260 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN WILLIAMTOWN FLT

YBBB/R564A SINGLETON
CONDITIONAL STATUS: RA3
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 32 42 05S 151 07 01E, 32 37 29S 151 08 12E 32 38 32S 151 13 37E,
then along SGT RWY 1 to 32 39 42S 151 14 30E
32 40 14S 151 14 52E, 32 45 07S 151 14 47E
32 45 44S 151 14 48E, 32 46 37S 151 11 45E
32 46 29S 151 10 39E, 32 44 18S 151 06 46E
32 42 37S 151 06 54E, 32 42 05S 151 07 01E
VERTICAL LIMITS: SFC - 4000
HOURS OF ACTIVITY: D 2100-1300 (1HR EARLIER HDS) or as amended by NOTAM
CONTROLLING AUTHORITY: Army RCO Singleton

YBBB/R564B SINGLETON
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 32 42 05S 151 07 01E, 32 37 29S 151 08 12E 32 38 32S 151 13 37E,
then along SGT RWY 1 to 32 39 42S 151 14 30E
32 40 14S 151 14 52E, 32 45 07S 151 14 47E
32 45 44S 151 14 48E, 32 46 37S 151 11 45E
32 46 29S 151 10 39E, 32 44 18S 151 06 46E
32 42 37S 151 06 54E, 32 42 05S 151 07 01E
VERTICAL LIMITS: 4000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Singleton

YBBB/R574 WILLIAMTOWN
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 31 00 21S 153 16 04E, 30 43 33S 153 24 27E 31 01 44S 155 18 14E, 32 33 37S 154 47 57E
33 51 30S 154 01 56E, 33 51 30S 152 07 57E
33 32 50S 151 58 52E, 33 12 21S 151 56 02E
then along the minor arc of a circle of 25.00NM radius centred on 32 47 49S 151 49 59E (WLM/TAC) to 32 44 36S 152 19 24E
32 25 00S 152 33 00E, 32 00 00S 152 45 52E
31 00 21S 153 16 04E
VERTICAL LIMITS: SFC - FL600
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN WILLIAMTOWN FLT

YBBB/R578A WILLIAMTOWN
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 32 47 22S 151 37 30E, 32 37 18S 151 43 06E
then along the major arc of a circle of 12.00NM radius centred on 32 47 49S 151 49 59E (WLM/TAC) to 32 59 22S 151 45 59E
32 55 24S 151 47 23E,
then along SOUTHBANK/ARM HUNTER RVR 1 to 32 49 14S 151 40 52E
then along NEW ENGLAND HWY 2 to 32 47 22S 151 37 30E
NOTES: Area may be subject to short notice recall.
VERTICAL LIMITS: 5000 - FL125
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN WILLIAMTOWN FLT

YBBB/R578B WILLIAMTOWN
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 32 37 18S 151 43 06E, 32 22 47S 151 51 04E then along the major arc of a circle of 25.00NM radius centred on 32 47 49S 151 49 59E (WLM/TAC) to 33 11 51S 151 41 33E
32 59 22S 151 45 59E,
then along the major arc of a circle of 12.00NM radius centred on 32 47 49S 151 49 59E (WLM/TAC) to 32 37 18S 151 43 06E
NOTES: Area may be subject to short notice recall.
VERTICAL LIMITS: SFC - FL125
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN WILLIAMTOWN FLT

YBBB/R578C WILLIAMTOWN
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 33 10 38S 151 37 42E, 32 53 41S 151 37 33E then along the minor arc of a circle of 12.00NM radius centred on 32 47 49S 151 49 59E (WLM/TAC) to 32 59 22S 151 45 59E
33 11 51S 151 41 33E,
then along the minor arc of a circle of 25.00NM radius centred on 32 47 49S 151 49 59E (WLM/TAC) to 33 10 38S 151 37 42E
NOTES: Area may be subject to short notice recall.
VERTICAL LIMITS: 4500 - FL125
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN WILLIAMTOWN FLT

YBBB/R578D WILLIAMTOWN
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 32 53 41S 151 37 33E, 32 47 22S 151 37 30E then along NEW ENGLAND HWY 2 to 32 49 14S 151 40 52E
then along SOUTHBANK/ARM HUNTER RVR 1 to 32 55 24S 151 47 23E 32 59 22S 151 45 59E,
then along the minor arc of a circle of 12.00NM radius centred on 32 47 49S 151 49 59E (WLM/TAC) to 32 53 41S 151 37 33E
NOTES: Area may be subject to short notice recall.
VERTICAL LIMITS: 2500 - FL125
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN WILLIAMTOWN FLT

YBBB/R578E WILLIAMTOWN
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 32 40 49S 151 34 15E, 32 36 02S 151 23 51E then along the minor arc of a circle of 25.00NM radius centred on 32 47 49S 151 49 59E (WLM/TAC) to 32 22 47S 151 51 04E
32 37 18S 151 43 06E, 32 47 22S 151 37 30E
32 44 26S 151 36 20E, 32 43 29S 151 32 57E
32 40 49S 151 34 15E
NOTES: This airspace excludes D589A and D589B. Area may be subject to short notice recall.
VERTICAL LIMITS: SFC - 10000
HOURS OF ACTIVITY: NOTAM

CONTROLLING AUTHORITY: FLTCDR 453SQN WILLIAMTOWN FLT

YBBB/R580 WILLIAMTOWN
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 32 25 00S 152 27 00E, 32 00 00S 152 25 00E
32 00 00S 152 45 52E, 32 25 00S 152 33 00E
32 28 33S 152 30 33E, 32 25 00S 152 27 00E
VERTICAL LIMITS: 4500 - FL125
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN WILLIAMTOWN FLT

YBBB/R583A WILLIAMTOWN
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 32 23 49S 151 58 27E, 32 09 43S 152 01 43E
31 59 57S 152 22 10E, 32 00 00S 152 25 00E
32 25 00S 152 27 00E, 32 28 33S 152 30 33E
32 44 36S 152 19 24E,
then along the minor arc of a circle of 25.00NM radius centred on
32 47 49S 151 49 59E (WLM/TAC) to 32 23 49S 151 58 27E
VERTICAL LIMITS: SFC - FL125
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN WILLIAMTOWN FLT

YBBB/R583B WILLIAMTOWN
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 32 36 02S 151 23 51E, 32 11 21S 151 01 14E
then along the minor arc of a circle of 55.00NM radius centred on
32 47 49S 151 49 59E (WLM/TAC) to 31 59 57S 152 22 10E
32 09 43S 152 01 43E, 32 23 49S 151 58 27E
then along the minor arc of a circle of 25.00NM radius centred on
32 47 49S 151 49 59E (WLM/TAC) to 32 36 02S 151 23 51E
VERTICAL LIMITS: SFC - 10000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN WILLIAMTOWN FLT

YBBB/R587A WILLIAMTOWN
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 32 09 43S 152 01 43E, 31 59 57S 152 22 10E
32 00 00S 152 25 00E, 32 00 00S 152 45 52E
32 25 00S 152 33 00E, 32 44 36S 152 19 24E
then along the minor arc of a circle of 25.00NM radius centred on
32 47 49S 151 49 59E (WLM/TAC) to 33 10 38S 151 37 42E
32 53 41S 151 37 33E, 32 47 22S 151 37 30E
32 37 18S 151 43 06E, 32 22 47S 151 51 04E
then along the minor arc of a circle of 25.00NM radius centred on
32 47 49S 151 49 59E (WLM/TAC) to 32 23 49S 151 58 27E
32 09 43S 152 01 43E
VERTICAL LIMITS: FL125 - FL600
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN WILLIAMTOWN FLT

YBBB/R587B WILLIAMTOWN
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 31 34 43S 152 23 02E, 31 00 13S 152 45 26E
31 00 21S 153 16 04E, 32 00 00S 152 45 52E
32 00 00S 152 25 00E, 31 59 57S 152 22 10E
32 03 53S 152 13 57E, 31 34 43S 152 23 02E
VERTICAL LIMITS: FL125 - FL600
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN WILLIAMTOWN FLT

YBBB/R596 WILLIAMTOWN
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 32 46 00S 151 51 00E, 32 39 30S 151 51 00E
32 39 30S 151 57 45E, 32 42 00S 152 04 00E
32 46 30S 152 04 00E, 32 48 50S 151 55 33E
32 46 00S 151 51 00E
NOTES: Area may be subject to short notice recall.
VERTICAL LIMITS: SFC - FL120
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 453SQN WILLIAMTOWN FLT

YBBB/R603 SCHERGER
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 13 17 24S 142 00 58E,
then along the major arc of a circle of 40.00NM radius centred on
12 37 26S 142 05 14E (YBSG/AD) to 11 57 28S 142 09 29E
12 22 27S 142 06 50E,
then along the major arc of a circle of 15.00NM radius centred on
12 37 26S 142 05 14E (YBSG/AD) to 12 52 25S 142 03 38E
13 17 24S 142 00 58E
VERTICAL LIMITS: SFC - 4000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/R604A SCHERGER
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 13 17 24S 142 00 58E, 11 57 28S 142 09 29E
then along the minor arc of a circle of 40.00NM radius centred on
12 37 26S 142 05 14E (YBSG/AD) to 13 17 24S 142 00 58E
VERTICAL LIMITS: 4000 - FL125
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/R604B SCHERGER
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 13 17 24S 142 00 58E, 11 57 28S 142 09 29E
then along the minor arc of a circle of 40.00NM radius centred on
12 37 26S 142 05 14E (YBSG/AD) to 13 17 24S 142 00 58E
VERTICAL LIMITS: FL125 - FL245
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/R605A SCHERGER
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 13 17 24S 142 00 58E, 11 57 28S 142 09 29E
then along the major arc of a circle of 40.00NM radius centred on
12 37 26S 142 05 14E (YBSG/AD) to 13 17 24S 142 00 58E
VERTICAL LIMITS: 4000 - FL125
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/R605B SCHERGER
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 13 17 24S 142 00 58E, 11 57 28S 142 09 29E
then along the major arc of a circle of 40.00NM radius centred on
12 37 26S 142 05 14E (YBSG/AD) to 13 17 24S 142 00 58E
VERTICAL LIMITS: FL125 - FL245
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/R605C SCHERGER
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 13 17 24S 142 00 58E, 11 57 28S 142 09 29E
then along the major arc of a circle of 40.00NM radius centred on
12 37 26S 142 05 14E (YBSG/AD) to 13 17 24S 142 00 58E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/R607A SCHERGER
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 14 37 18S 141 52 22E,
then along the major arc of a circle of 120.00NM radius centred on
12 37 26S 142 05 14E (YBSG/AD) to 10 37 32S 142 17 54E
11 57 28S 142 09 29E,
then along the major arc of a circle of 40.00NM radius centred on
12 37 26S 142 05 14E (YBSG/AD) to 13 17 24S 142 00 58E
14 37 18S 141 52 22E
VERTICAL LIMITS: FL125 - FL245
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/R607B SCHERGER
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 14 37 18S 141 52 22E,
then along the major arc of a circle of 120.00NM radius centred on
12 37 26S 142 05 14E (YBSG/AD) to 10 37 32S 142 17 54E
11 57 28S 142 09 29E,
then along the major arc of a circle of 40.00NM radius centred on
12 37 26S 142 05 14E (YBSG/AD) to 13 17 24S 142 00 58E
14 37 18S 141 52 22E
VERTICAL LIMITS: FL245 - FL600
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/R608 LONGREACH
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: A circle of 5.00NM radius centred on
23 39 31S 144 08 43E
VERTICAL LIMITS: SFC - 8200
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: RAAF Duty OPSO 1 RSU

YBBB/R609 EVANS HEAD
CONDITIONAL STATUS: RA3
MILITARY FLYING
LATERAL LIMITS: 29 10 13S 153 27 19E, 29 14 00S 153 24 00E
then along the major arc of a circle of 3.00NM radius centred on
29 11 00S 153 24 00E to 29 10 13S 153 27 19E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: RAAF FLTCDR 452SQN AMBERLEY FLT

YBBB/R620A AMBERLEY
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 27 42 08S 152 32 14E, 27 25 55S 152 25 08E
then along the minor arc of a circle of 20.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 27 18 23S 152 43 04E
27 29 24S 152 47 34E,
then along the minor arc of a circle of 10.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 27 42 08S 152 32 14E
NOTES: Area may be subject to short notice recall.
VERTICAL LIMITS: 1500 - 7500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN AMBERLEY FLT

YBBB/R620B AMBERLEY
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 27 25 55S 152 25 08E, 27 42 08S 152 32 14E
then along the minor arc of a circle of 10.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 27 44 13S 152 51 55E
27 53 24S 152 45 11E, 27 58 25S 152 40 49E
then along the minor arc of a circle of 20.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 27 25 55S 152 25 08E
NOTES: Area may be subject to short notice recall.
VERTICAL LIMITS: 2500 - FL210
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN AMBERLEY FLT

YBBB/R620C AMBERLEY
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 27 42 08S 152 32 14E, 27 25 55S 152 25 08E
then along the minor arc of a circle of 20.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 27 18 23S 152 43 04E
27 42 34S 152 52 59E, 27 44 13S 152 51 55E
then along the minor arc of a circle of 10.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 27 42 08S 152 32 14E
NOTES: Area may be subject to short notice recall.
VERTICAL LIMITS: 7500 - FL210
HOURS OF ACTIVITY: NOTAM

CONTROLLING AUTHORITY: FLTCDR 452SQN AMBERLEY FLT

YBBB/R620D AMBERLEY
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 27 07 49S 152 23 29E, 27 13 25S 152 41 03E
27 18 23S 152 43 04E,
then along the minor arc of a circle of 20.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 27 58 25S 152 40 49E
28 11 29S 152 29 24E,
then along the minor arc of a circle of 35.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 27 07 49S 152 23 29E
NOTES: Area may be subject to short notice recall.
VERTICAL LIMITS: 4500 - FL210
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN AMBERLEY FLT

YBBB/R620E AMBERLEY
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 27 04 27S 152 12 59E, 27 07 49S 152 23 29E
then along the minor arc of a circle of 35.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 28 11 29S 152 29 24E
28 18 05S 152 23 37E,
then along the minor arc of a circle of 43.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 27 04 27S 152 12 59E
NOTES: Area may be subject to short notice recall.
VERTICAL LIMITS: 8500 - FL210
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN AMBERLEY FLT

YBBB/R633A GREENBANK
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: 27 40 03S 152 55 50E, 27 37 45S 152 56 20E
then along POWER LINES 1 to 27 38 31S 152 58 30E
27 40 31S 153 00 29E, 27 41 05S 153 00 29E
then along RAILWAY 7 to 27 43 26S 152 58 58E
27 41 00S 152 57 30E, 27 40 03S 152 55 50E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: D 2100-0600 EXPH
OR AS AMENDED BY NOTAM
CONTROLLING AUTHORITY: Army RCO Greenbank

YBBB/R633B GREENBANK
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: 27 40 03S 152 55 50E, 27 37 45S 152 56 20E
then along POWER LINES 1 to 27 38 31S 152 58 30E
27 40 31S 153 00 29E, 27 41 05S 153 00 29E
then along RAILWAY 7 to 27 43 26S 152 58 58E
27 41 00S 152 57 30E, 27 40 03S 152 55 50E
VERTICAL LIMITS: 2000 - 3500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Greenbank

YBBB/R634A CANUNGRA
CONDITIONAL STATUS: RA3
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 28 00 00S 153 10 00E, 28 05 00S 153 10 00E
28 05 00S 153 15 00E, 27 58 00S 153 15 00E
27 58 00S 153 11 09E,
then along CANUNGRA-MT TAMBORINE RD to 28 00 00S 153 10 52E
28 00 00S 153 10 00E
VERTICAL LIMITS: SFC - 3800
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Canungra

YBBB/R634B CANUNGRA
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 28 05 00S 153 10 00E, 28 00 00S 153 10 00E
28 00 00S 153 15 00E, 28 05 00S 153 15 00E
28 05 00S 153 10 00E
VERTICAL LIMITS: 3800 - 8500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Canungra

YBBB/R637A AMBERLEY
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 25 27 41S 153 15 56E, 24 50 56S 153 38 38E
25 31 53S 154 17 17E, 26 15 42S 153 29 56E
26 10 07S 153 25 43E, 25 44 29S 153 16 51E
25 27 41S 153 15 56E
VERTICAL LIMITS: 5000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN AMBERLEY FLT

YBBB/R637B AMBERLEY
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 24 50 56S 153 38 38E, 23 59 01S 154 10 14E
24 49 42S 155 02 03E, 25 31 53S 154 17 17E
24 50 56S 153 38 38E
VERTICAL LIMITS: 5000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN AMBERLEY FLT

YBBB/R637C AMBERLEY
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 25 31 53S 154 17 17E, 24 49 42S 155 02 03E
25 39 32S 155 54 00E, 26 12 15S 154 55 58E
25 31 53S 154 17 17E
VERTICAL LIMITS: 5000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN AMBERLEY FLT

YBBB/R637D AMBERLEY
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 26 15 42S 153 29 56E, 25 31 53S 154 17 17E
26 12 15S 154 55 58E, 26 46 43S 153 53 29E
26 15 42S 153 29 56E

VERTICAL LIMITS: 5000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN AMBERLEY FLT

YBBB/R638A EVANS HEAD
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 29 01 20S 153 17 00E, 28 57 00S 153 27 30E
28 56 21S 153 31 28E,
then along THE COAST 45 to 29 06 55S 153 26 11E
then along NTH BANK OF EVANS AND RIC RVRS to 29 01 20S 153 17 00E
NOTES: NOTAM may be requested to change activation HRS with 2 HRS notification
VERTICAL LIMITS: 1000 - 8000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: RAAF FLTCDR 452SQN AMBERLEY FLT

YBBB/R638B EVANS HEAD
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 29 15 00S 153 03 30E, 29 06 00S 153 05 40E
29 01 20S 153 17 00E,
then along NTH BANK OF EVANS AND RIC RVRS to 29 06 55S 153 26 11E
then along THE COAST 47 to 29 07 41S 153 26 53E
then along THE COAST 46 to 29 26 28S 153 22 12E
29 15 00S 153 03 30E
NOTES: NOTAM may be requested to change activation HRS with 2 HRS notification
VERTICAL LIMITS: SFC - 8000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: RAAF FLTCDR 452SQN AMBERLEY FLT

YBBB/R638C EVANS HEAD
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 29 15 00S 153 03 30E, 29 06 00S 153 05 40E
28 57 00S 153 27 30E, 28 56 21S 153 31 28E
then along THE COAST 45 to 29 06 55S 153 26 11E
then along THE COAST 47 to 29 07 41S 153 26 53E
then along THE COAST 3000 to 29 18 29S 153 20 28E
then along THE COAST 3001 to 29 26 28S 153 22 12E
29 15 00S 153 03 30E
NOTES: NOTAM may be requested to change activation HRS with 2 HRS notification
VERTICAL LIMITS: 8000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: RAAF FLTCDR 452SQN AMBERLEY FLT

YBBB/R638D EVANS HEAD
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 28 56 21S 153 31 28E, 28 52 13S 153 49 39E
then along the minor arc of a circle of 30.00NM radius centred on
29 11 51S 153 23 44E to 29 41 39S 153 19 07E
then along THE COAST 52 to 29 34 41S 153 20 05E
then along THE COAST 50 to 29 31 46S 153 21 32E
then along THE COAST 48 to 29 26 28S 153 22 12E
then along THE COAST 3001 to 29 18 29S 153 20 28E
then along THE COAST 3000 to 29 07 41S 153 26 53E
then along THE COAST 47 to 29 06 55S 153 26 11E
then along THE COAST 45 to 28 56 21S 153 31 28E
NOTES: NOTAM may be requested to change activation HRS with 2 HRS notification
VERTICAL LIMITS: SFC - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: RAAF FLTCDR 452SQN AMBERLEY FLT

YBBB/R639A AMBERLEY
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 27 17 43S 150 53 42E, 27 34 40S 151 54 29E
then along the minor arc of a circle of 43.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 27 52 51S 151 57 01E
28 08 31S 151 03 38E,
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 17 43S 150 53 42E
VERTICAL LIMITS: 10000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN AMBERLEY FLT

YBBB/R639B AMBERLEY
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 28 08 31S 151 03 38E, 27 52 51S 151 57 01E
then along the minor arc of a circle of 43.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 28 01 11S 152 01 30E
28 44 32S 151 29 42E,
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 08 31S 151 03 38E
VERTICAL LIMITS: 10000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN AMBERLEY FLT

YBBB/R639C AMBERLEY
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 28 10 00S 149 48 00E, 26 57 38S 149 44 03E
27 17 43S 150 53 42E,
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 08 31S 151 03 38E
28 28 30S 149 53 24E, 28 10 00S 149 48 00E
VERTICAL LIMITS: 10000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN AMBERLEY FLT

YBBB/R639D AMBERLEY
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 29 22 09S 150 09 17E, 28 28 30S 149 53 24E
28 08 31S 151 03 38E,
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 44 32S 151 29 42E
29 22 09S 150 09 17E
VERTICAL LIMITS: 10000 - NOTAM
HOURS OF ACTIVITY: NOTAM

CONTROLLING AUTHORITY: FLTCDR 452SQN AMBERLEY FLT

YBBB/R644 AMBERLEY
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 26 46 43S 153 53 29E, 26 12 15S 154 55 58E
25 39 32S 155 54 00E, 26 15 50S 156 30 28E
26 33 23S 155 46 55E, 27 13 12S 154 44 29E
27 23 00S 154 28 52E, 26 46 43S 153 53 29E
VERTICAL LIMITS: 5000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN AMBERLEY FLT

YBBB/R647A WALLANGARRA
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: A circle of 1.60NM radius centred on 28 55 58S 151 57 34E
VERTICAL LIMITS: SFC - 4500
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Thales Duty Officer

YBBB/R647B WALLANGARRA
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: A circle of 1.60NM radius centred on 28 55 58S 151 57 34E
VERTICAL LIMITS: 4500 - 8000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Thales Duty Officer

YBBB/R649 AMBERLEY
CONDITIONAL STATUS: RA3
MILITARY NON-FLYING
LATERAL LIMITS: A circle of 0.25NM radius centred on 27 37 56S 152 41 44E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN AMBERLEY FLT

YBBB/R650A AMBERLEY
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 27 23 00S 154 28 52E, 27 13 12S 154 44 29E
27 46 28S 154 44 29E, 27 23 00S 154 28 52E
VERTICAL LIMITS: 5000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN AMBERLEY FLT

YBBB/R650B AMBERLEY
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 27 13 12S 154 44 29E, 26 33 23S 155 46 55E
26 15 50S 156 30 28E, 27 16 34S 157 31 03E
28 50 10S 156 37 53E, 27 46 28S 154 44 29E
27 13 12S 154 44 29E
VERTICAL LIMITS: 5000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN AMBERLEY FLT

YBBB/R654A OAKEY
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 27 23 56S 151 38 40E, 27 13 54S 151 21 04E
then along the minor arc of a circle of 23.00NM radius centred on 27 23 59S 151 44 17E (OK/DME) to 27 10 54S 152 05 32E
then along the minor arc of a circle of 43.00NM radius centred on 27 38 26S 152 42 43E (YAMB/AD) to 27 25 23S 151 56 37E
27 28 51S 151 53 23E, 27 26 33S 151 49 06E
then along the major arc of a circle of 5.00NM radius centred on 27 23 59S 151 44 17E (OK/DME) to 27 23 56S 151 38 40E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN OAKEY FLT

YBBB/R654B OAKEY
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 27 23 56S 151 38 40E, 27 23 35S 151 18 27E
then along the minor arc of a circle of 23.00NM radius centred on 27 23 59S 151 44 17E (OK/DME) to 27 13 54S 151 21 04E
27 23 56S 151 38 40E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN OAKEY FLT

YBBB/R654C OAKEY
CONDITIONAL STATUS: RA1
MILITARY FLYING
LATERAL LIMITS: 27 23 56S 151 38 40E, 27 23 35S 151 18 27E
then along the minor arc of a circle of 23.00NM radius centred on 27 23 59S 151 44 17E (OK/DME) to 27 10 54S 152 05 32E
then along the minor arc of a circle of 43.00NM radius centred on 27 38 26S 152 42 43E (YAMB/AD) to 27 29 52S 151 55 17E
27 26 33S 151 49 06E,
then along the minor arc of a circle of 5.00NM radius centred on 27 23 59S 151 44 17E (OK/DME) to 27 23 56S 151 38 40E
VERTICAL LIMITS: 8500 - FL125
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN OAKEY FLT

YBBB/R662A AMBERLEY
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 28 52 13S 153 49 39E, 28 32 15S 153 56 36E
28 33 12S 154 07 49E, 28 33 47S 154 09 20E
29 13 21S 155 07 10E, 30 28 10S 154 25 53E
30 18 53S 153 29 32E, 29 39 23S 153 37 34E
then along the minor arc of a circle of 30.00NM radius centred on 29 11 51S 153 23 44E to 28 52 13S 153 49 39E
VERTICAL LIMITS: 5000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN AMBERLEY FLT

YBBB/R662B AMBERLEY
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 30 28 10S 154 25 53E, 29 13 21S 155 07 10E
29 48 16S 155 59 22E, 30 38 25S 155 31 25E
30 28 10S 154 25 53E
VERTICAL LIMITS: 5000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN AMBERLEY FLT

YBBB/R671A AMBERLEY
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 30 43 33S 153 24 27E, 30 18 53S 153 29 32E
30 28 10S 154 25 53E, 30 38 25S 155 31 25E
31 01 44S 155 18 14E, 30 43 33S 153 24 27E
VERTICAL LIMITS: FL125 - FL245
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN AMBERLEY FLT

YBBB/R671B AMBERLEY
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 30 43 33S 153 24 27E, 30 18 53S 153 29 32E
30 28 10S 154 25 53E, 30 38 25S 155 31 25E
31 01 44S 155 18 14E, 30 43 33S 153 24 27E
VERTICAL LIMITS: FL245 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN AMBERLEY FLT

YBBB/R680 AKENS ISLAND
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 22 17 00S 150 12 00E, 22 15 00S 150 20 00E
22 12 34S 150 25 27E, 22 15 06S 150 23 42E
22 17 54S 150 23 12E, 22 23 42S 150 26 12E
22 30 30S 150 27 00E,
then along COAST 31 to 22 30 32S 150 25 13E
then along COAST 30 to 22 25 00S 150 18 06E
then along COAST 29 to 22 19 00S 150 10 46E
22 17 00S 150 12 00E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Shoalwater Bay

YBBB/R682 TOWNSHEND ISLAND
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 22 17 54S 150 23 12E, 22 15 06S 150 23 42E
22 06 00S 150 30 00E, 22 06 00S 150 45 00E
22 19 00S 150 49 00E, 22 19 00S 150 33 00E
22 25 56S 150 26 28E, 22 23 42S 150 26 12E
22 17 54S 150 23 12E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Shoalwater Bay

YBBB/R683 CAPE CLINTON
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 22 30 30S 150 27 00E, 22 25 56S 150 26 28E
22 19 00S 150 33 00E, 22 19 00S 150 49 00E
22 41 19S 150 50 31E, 22 30 30S 150 27 00E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Shoalwater Bay

YBBB/R684A MOUNT HUMMOCK
CONDITIONAL STATUS: RA3
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 22 55 00S 150 27 00E, 22 30 30S 150 27 00E
22 41 19S 150 50 31E, 22 49 22S 150 47 07E
22 47 57S 150 37 21E, 22 54 00S 150 36 00E
22 55 00S 150 27 00E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Army RCO Shoalwater Bay

YBBB/R684B MOUNT HUMMOCK
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 22 55 00S 150 27 00E, 22 30 30S 150 27 00E
22 41 19S 150 50 31E, 22 49 22S 150 47 07E
22 47 57S 150 37 21E, 22 54 00S 150 36 00E
22 55 00S 150 27 00E
VERTICAL LIMITS: 2000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Shoalwater Bay

YBBB/R685A WIDE BAY
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 25 49 26S 152 51 46E, 25 48 14S 152 54 17E
25 48 20S 152 55 18E, 25 56 44S 152 55 18E
25 56 58S 152 55 21E, 25 57 05S 152 54 46E
25 56 40S 152 54 25E, 25 55 39S 152 54 17E
25 55 39S 152 51 33E,
then along MARYBOROUGH COOLOOLA ROAD to 25 49 26S 152 51 46E
VERTICAL LIMITS: SFC - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Wide Bay

YBBB/R685B WIDE BAY
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 25 56 44S 152 55 18E, 25 48 20S 152 55 18E
25 48 26S 152 56 27E, 25 48 46S 152 57 10E
25 48 40S 152 58 03E, 25 48 36S 152 58 19E
25 47 51S 152 58 59E, 25 49 40S 153 01 12E
25 50 43S 153 01 23E, 25 52 40S 153 01 53E
25 53 43S 153 01 41E, 25 54 25S 152 59 00E
25 54 58S 152 58 51E, 25 55 19S 152 59 11E
25 55 49S 152 59 10E, 25 56 29S 152 58 29E
then along TIN CAN BAY RD to 25 56 46S 152 56 30E
25 56 36S 152 56 26E, 25 56 44S 152 55 18E
VERTICAL LIMITS: SFC - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Wide Bay

YBBB/R686 TRIANGULAR ISLAND
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: A circle of 3.00NM radius centred on 22 23 00S 150 30 30E
VERTICAL LIMITS: SFC - 10000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Shoalwater Bay

YBBB/R687A RASPBERRY CREEK
CONDITIONAL STATUS: RA3
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 22 52 05S 150 16 31E, 22 27 04S 150 05 46E
22 19 00S 150 10 46E,
then along COAST 29 to 22 25 00S 150 18 06E
then along COAST 30 to 22 30 32S 150 25 13E
then along COAST 31 to 22 30 30S 150 27 00E
22 55 00S 150 27 00E, 22 52 05S 150 16 31E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Army RCO Shoalwater Bay

YBBB/R687B RASPBERRY CREEK
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 22 52 05S 150 16 31E, 22 27 04S 150 05 46E
22 19 00S 150 10 46E,
then along COAST 29 to 22 25 00S 150 18 06E
then along COAST 30 to 22 30 32S 150 25 13E
then along COAST 31 to 22 30 30S 150 27 00E
22 55 00S 150 27 00E, 22 52 05S 150 16 31E
VERTICAL LIMITS: 2000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Shoalwater Bay

YBBB/R689 SHOALWATER BAY
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 22 27 04S 150 05 46E, 22 15 09S 150 00 40E
then along the major arc of a circle of 30.00NM radius centred on
22 16 00S 150 33 00E to 22 41 19S 150 50 31E
22 19 00S 150 49 00E, 22 06 00S 150 45 00E
22 06 00S 150 30 00E, 22 12 34S 150 25 27E
22 15 00S 150 20 00E, 22 17 00S 150 12 00E
22 27 04S 150 05 46E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Shoalwater Bay

YBBB/R693 ELLIOTT
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 24 24 00S 152 08 00E, 24 11 00S 152 31 00E
24 28 00S 152 58 00E, 24 41 00S 152 34 00E
24 24 00S 152 08 00E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YBBB/R695A HERBERT CREEK
CONDITIONAL STATUS: RA3
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 22 38 00S 150 05 30E, 22 27 30S 150 05 30E
22 27 04S 150 05 46E, 22 52 05S 150 16 31E
22 51 30S 150 13 30E, 22 44 30S 150 08 30E
22 38 00S 150 05 30E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: Army RCO Shoalwater Bay

YBBB/R695B HERBERT CREEK
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 22 38 00S 150 05 30E, 22 27 30S 150 05 30E
22 27 04S 150 05 46E, 22 52 05S 150 16 31E
22 51 30S 150 13 30E, 22 44 30S 150 08 30E
22 38 00S 150 05 30E
VERTICAL LIMITS: 2000 - 6000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Shoalwater Bay

YBBB/R695C HERBERT CREEK
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 22 38 00S 150 05 30E, 22 27 30S 150 05 30E
22 27 04S 150 05 46E, 22 52 05S 150 16 31E
22 51 30S 150 13 30E, 22 44 30S 150 08 30E
22 38 00S 150 05 30E
VERTICAL LIMITS: 6000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Shoalwater Bay

YBBB/R725 SAUMAREZ REEF
CONDITIONAL STATUS: RA3
MILITARY FLYING
LATERAL LIMITS: A circle of 5.00NM radius centred on 21 51 18S 153 38 47E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: RAAF FLTCDR 452SQN AMBERLEY FLT

YBBB/R736A TOWNSVILLE (STAR)
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 19 19 00S 146 01 45E, 19 06 01S 146 10 11E
19 16 17S 146 20 43E,
then along KEELBOTTOM CK 1/2 to 19 20 18S 146 21 27E
19 23 39S 146 07 04E,
then along .5NM N GREENVALE RWY LINE 1/1 to 19 22 11S 146 04 20E 19 19 00S 146 01 45E
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/R736B TOWNSVILLE (STAR)
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING

LATERAL LIMITS: 19 19 00S 146 01 45E, 19 06 01S 146 10 11E
19 16 17S 146 20 43E,
then along KEELBOTTOM CK 1/2 to 19 20 18S 146 21 27E
19 23 39S 146 07 04E,
then along .5NM N GREENVALE RWY LINE 1/1 to 19 22 11S 146 04 20E 19 19 00S 146 01 45E
VERTICAL LIMITS: 5000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/R737A TOWNSVILLE (LAND)
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 19 21 52S 145 31 52E, 19 19 00S 146 01 45E
19 22 11S 146 04 20E,
then along .5NM N GREENVALE RWY LINE 1/1 to 19 23 39S 146 07 04E
then along .5NM N GREENVALE RWY LINE 1/2 to 19 26 26S 146 20 03E
then along KEELBOTTOM CREEK to 19 22 30S 146 21 20E
19 24 45S 146 25 00E,
then along HERVEY RANGE DEVELOPEMENT RD to 19 29 41S 146 19 58E
then along THE HERVEY RANGE DEVELOPEMENT RD to 19 30 02S 146 11 40E
19 30 00S 146 11 00E, 19 35 00S 146 04 30E
19 45 00S 146 12 36E, 19 45 00S 146 24 00E
19 36 35S 146 24 00E, 19 39 00S 146 38 00E
19 52 00S 146 37 00E, 20 01 14S 145 49 57E
then along the minor arc of a circle of 70.00NM radius centred on 19 14 39S 146 45 30E (TL/DME) to 19 21 52S 145 31 52E
VERTICAL LIMITS: 7000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/R737B TOWNSVILLE (LAND)
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 19 26 42S 144 39 13E, 19 21 52S 145 31 52E
then along the minor arc of a circle of 70.00NM radius centred on 19 14 39S 146 45 30E (TL/DME) to 20 01 14S 145 49 57E
20 11 58S 144 53 36E,
then along the minor arc of a circle of 120.00NM radius centred on 19 14 39S 146 45 30E (TL/DME) to 19 26 42S 144 39 13E
VERTICAL LIMITS: 7000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/R737C TOWNSVILLE (LAND)
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 18 38 32S 145 42 08E, 19 06 01S 146 10 11E
19 19 00S 146 01 45E, 19 21 52S 145 31 52E
then along the minor arc of a circle of 70.00NM radius centred on 19 14 39S 146 45 30E (TL/DME) to 18 38 32S 145 42 08E
VERTICAL LIMITS: 7000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/R737D TOWNSVILLE (LAND)
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 18 14 16S 144 56 05E, 18 18 00S 145 12 30E
18 31 34S 145 35 03E, 18 38 32S 145 42 08E
then along the minor arc of a circle of 70.00NM radius centred on 19 14 39S 146 45 30E (TL/DME) to 19 21 52S 145 31 52E
19 26 42S 144 39 13E,
then along the minor arc of a circle of 120.00NM radius centred on 19 14 39S 146 45 30E (TL/DME) to 18 14 16S 144 56 05E
VERTICAL LIMITS: 7000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/R739A TOWNSVILLE (STAR)
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 19 23 39S 146 07 04E, 19 20 18S 146 21 27E
then along LINE1 to 19 22 30S 146 21 20E
then along KEELBOTTOM CREEK to 19 26 26S 146 20 03E
then along .5NM N GREENVALE RWY LINE 1/2 to 19 23 39S 146 07 04E
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/R739B TOWNSVILLE (STAR)
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 19 23 39S 146 07 04E, 19 20 18S 146 21 27E
then along LINE1 to 19 22 30S 146 21 20E
then along KEELBOTTOM CREEK to 19 26 26S 146 20 03E
then along .5NM N GREENVALE RWY LINE 1/2 to 19 23 39S 146 07 04E
VERTICAL LIMITS: 5000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/R740A TOWNSVILLE (HIGH RANGE)
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 19 24 45S 146 25 00E, 19 22 42S 146 29 20E
19 25 52S 146 34 43E, 19 35 00S 146 38 00E
19 39 00S 146 38 00E, 19 36 35S 146 24 00E
19 34 33S 146 20 45E,
then along KEELBOTTOM CK to 19 29 41S 146 19 58E
then along HERVEY RANGE DEVELOPEMENT RD to 19 24 45S 146 25 00E
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/R740B TOWNSVILLE (HIGH RANGE)
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 19 24 45S 146 25 00E, 19 22 42S 146 29 20E
19 25 52S 146 34 43E, 19 35 00S 146 38 00E
19 39 00S 146 38 00E, 19 36 35S 146 24 00E

19 34 33S 146 20 45E,
then along KEELBOTTOM CK to 19 29 41S 146 19 58E
then along HERVEY RANGE DEVELOPEMENT RD to 19 24 45S 146 25 00E
VERTICAL LIMITS: 5000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/R741A TOWNSVILLE (DOTSWOOD)
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 19 35 00S 146 04 30E, 19 30 00S 146 11 00E
19 30 02S 146 11 40E,
then along THE HERVEY RANGE DEVELOPEMENT RD to 19 29 41S 146 19 58E
then along KEELBOTTOM CK to 19 34 33S 146 20 45E
19 36 35S 146 24 00E, 19 45 00S 146 24 00E
19 45 00S 146 12 36E, 19 35 00S 146 04 30E
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/R741B TOWNSVILLE (DOTSWOOD)
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 19 35 00S 146 04 30E, 19 30 00S 146 11 00E
19 30 02S 146 11 40E,
then along THE HERVEY RANGE DEVELOPEMENT RD to 19 29 41S 146 19 58E
then along KEELBOTTOM CK to 19 34 33S 146 20 45E
19 36 35S 146 24 00E, 19 45 00S 146 24 00E
19 45 00S 146 12 36E, 19 35 00S 146 04 30E
VERTICAL LIMITS: 5000 - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/R747 RATTLESNAKE ISLAND
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: A circle of 4.80NM radius centred on 19 02 10S 146 36 38E
VERTICAL LIMITS: SFC - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/R748 HALIFAX BAY
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 18 48 22S 146 51 25E, 19 04 56S 146 47 41E
19 08 23S 146 43 46E, 19 09 00S 146 38 30E
19 01 30S 146 28 00E, 18 55 33S 146 23 35E
18 49 00S 146 26 00E, 18 46 00S 146 31 00E
18 49 12S 146 34 38E,
then along the minor arc of a circle of 29.00NM radius centred on 19 16 44S 146 44 33E (TVL/TAC) to 18 48 22S 146 51 25E
VERTICAL LIMITS: SFC - FL600
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/R766 MICHAELMAS CAY
CONDITIONAL STATUS: RA3
ENVIRONMENTAL RESTRICTED AREA
LATERAL LIMITS: A circle of 1.00NM radius centred on 16 36 23S 145 58 22E
VERTICAL LIMITS: SFC - 3000
HOURS OF ACTIVITY: H24
CONTROLLING AUTHORITY: GBRMPA

YBBB/R767 CAIRNS
CONDITIONAL STATUS: RA2
MILITARY NON-FLYING
LATERAL LIMITS: 17 19 00S 146 08 18E, 17 08 00S 146 07 00E
17 07 00S 146 23 00E, 17 22 00S 146 25 00E
17 23 30S 146 13 00E, 17 19 00S 146 08 18E
VERTICAL LIMITS: SFC - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YBBB/R768A MT STUART
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 19 21 27S 146 44 12E, 19 21 21S 146 44 20E
19 20 59S 146 44 49E, 19 21 15S 146 45 22E
19 21 23S 146 46 28E, 19 21 24S 146 48 23E
19 23 02S 146 48 23E, 19 26 15S 146 48 01E
19 26 20S 146 47 23E, 19 25 08S 146 44 43E
19 24 59S 146 44 33E, 19 21 42S 146 44 16E
19 21 27S 146 44 12E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: D 2100-1200 EXPH or as amended by NOTAM
CONTROLLING AUTHORITY: Army RCO Mt Stuart

YBBB/R768B MT STUART
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 19 21 27S 146 44 12E, 19 21 21S 146 44 20E
19 20 59S 146 44 49E, 19 21 15S 146 45 22E
19 21 23S 146 46 28E, 19 21 24S 146 48 23E
19 23 02S 146 48 23E, 19 26 15S 146 48 01E
19 26 20S 146 47 23E, 19 25 08S 146 44 43E
19 24 59S 146 44 33E, 19 21 42S 146 44 16E
19 21 27S 146 44 12E
VERTICAL LIMITS: 2000 - 3000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army RCO Mt Stuart

YBBB/R778 CAIRNS (OUTER REEF)
CONDITIONAL STATUS: RA2
MILITARY NON-FLYING
LATERAL LIMITS: 16 41 30S 146 15 00E, 16 30 00S 146 15 00E
16 30 00S 146 33 00E, 16 41 30S 146 33 00E
16 41 30S 146 15 00E
VERTICAL LIMITS: SFC - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YBBB/R783 LIZARD ISLAND
CONDITIONAL STATUS: RA2

MILITARY NON-FLYING
LATERAL LIMITS: 14 33 00S 145 14 00E, 14 28 00S 145 22 00E
14 34 00S 145 26 00E, 14 40 00S 145 18 00E
14 33 00S 145 14 00E
VERTICAL LIMITS: SFC - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Navy Fleet HQ Potts Point

YBBB/R785A TULLY
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 17 45 00S 145 44 30E, 17 37 00S 145 44 30E
17 37 00S 145 51 00E, 17 45 00S 145 51 00E
17 45 00S 145 44 30E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army OC Jungle Training

YBBB/R785B TULLY
CONDITIONAL STATUS: RA2
MILITARY FLYING/NON-FLYING
LATERAL LIMITS: 17 54 30S 145 44 30E, 17 45 00S 145 44 30E
17 45 00S 145 51 00E, 17 54 30S 145 51 00E
17 54 30S 145 44 30E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: Army OC Jungle Training

YBBB/R801 CURTIN
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: A circle of 25.00NM radius centred on
17 35 20S 123 51 07E (CIN/DME)
VERTICAL LIMITS: SFC - 3500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R802A CURTIN
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: A circle of 25.00NM radius centred on
17 35 20S 123 51 07E (CIN/DME)
VERTICAL LIMITS: 3500 - FL200
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R802B CURTIN
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: A circle of 25.00NM radius centred on
17 35 20S 123 51 07E (CIN/DME)
VERTICAL LIMITS: FL200 - FL600
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R803A CURTIN
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 17 10 15S 123 52 15E, 16 20 06S 123 54 41E
then along the minor arc of a circle of 75.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 18 15 53S 124 57 23E
17 48 57S 124 13 06E,
then along the minor arc of a circle of 25.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 17 10 15S 123 52 15E
VERTICAL LIMITS: 5500 - FL200
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R803B CURTIN
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 17 10 15S 123 52 15E, 16 20 06S 123 54 41E
then along the minor arc of a circle of 75.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 18 15 53S 124 57 23E
17 48 57S 124 13 06E,
then along the minor arc of a circle of 25.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 17 10 15S 123 52 15E
VERTICAL LIMITS: FL200 - FL600
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R804A CURTIN
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 18 44 45S 123 20 36E, 17 58 28S 123 40 58E
then along the minor arc of a circle of 25.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 17 48 57S 124 13 06E
18 15 53S 124 57 23E,
then along the minor arc of a circle of 75.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 18 44 45S 123 20 36E
VERTICAL LIMITS: 5500 - FL200
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R804B CURTIN
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 18 44 45S 123 20 36E, 17 58 28S 123 40 58E
then along the minor arc of a circle of 25.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 17 48 57S 124 13 06E
18 15 53S 124 57 23E,
then along the minor arc of a circle of 75.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 18 44 45S 123 20 36E
VERTICAL LIMITS: FL200 - FL600
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R805A CURTIN
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 17 31 38S 122 32 42E, 17 34 12S 123 24 58E
then along the minor arc of a circle of 25.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 17 58 28S 123 40 58E
18 44 45S 123 20 36E,
then along the minor arc of a circle of 75.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 17 31 38S 122 32 42E
VERTICAL LIMITS: 5500 - FL200
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R805B CURTIN
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 17 31 38S 122 32 42E, 17 34 12S 123 24 58E
then along the minor arc of a circle of 25.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 17 58 28S 123 40 58E
18 44 45S 123 20 36E,
then along the minor arc of a circle of 75.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 17 31 38S 122 32 42E
VERTICAL LIMITS: FL200 - FL600
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R806A CURTIN
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 16 20 06S 123 54 41E, 17 10 15S 123 52 15E
then along the minor arc of a circle of 25.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 17 34 12S 123 24 58E
17 31 38S 122 32 42E,
then along the minor arc of a circle of 75.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 16 20 06S 123 54 41E
VERTICAL LIMITS: 5500 - FL200
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R806B CURTIN
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 16 20 06S 123 54 41E, 17 10 15S 123 52 15E
then along the minor arc of a circle of 25.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 17 34 12S 123 24 58E
17 31 38S 122 32 42E,
then along the minor arc of a circle of 75.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 16 20 06S 123 54 41E
VERTICAL LIMITS: FL200 - FL600
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R807A CURTIN
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 16 20 06S 123 54 41E, 15 04 52S 123 58 17E
then along the minor arc of a circle of 150.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 18 55 58S 126 04 13E
18 15 53S 124 57 23E,
then along the minor arc of a circle of 75.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 16 20 06S 123 54 41E
VERTICAL LIMITS: FL125 - FL200
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R807B CURTIN
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 16 20 06S 123 54 41E, 15 04 52S 123 58 17E
then along the minor arc of a circle of 150.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 18 55 58S 126 04 13E
18 15 53S 124 57 23E,
then along the minor arc of a circle of 75.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 16 20 06S 123 54 41E
VERTICAL LIMITS: FL200 - FL600
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R808A CURTIN
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 18 15 53S 124 57 23E, 18 55 58S 126 04 13E
then along the minor arc of a circle of 150.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 19 54 05S 122 49 43E
18 44 45S 123 20 36E,
then along the minor arc of a circle of 75.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 18 15 53S 124 57 23E
VERTICAL LIMITS: FL125 - FL200
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R808B CURTIN
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 18 15 53S 124 57 23E, 18 55 58S 126 04 13E
then along the minor arc of a circle of 150.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 19 54 05S 122 49 43E
18 44 45S 123 20 36E,
then along the minor arc of a circle of 75.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 18 15 53S 124 57 23E
VERTICAL LIMITS: FL200 - FL600
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R809A CURTIN
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 18 44 45S 123 20 36E, 19 54 05S 122 49 43E
then along the minor arc of a circle of 150.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 17 27 20S 121 14 21E
17 31 38S 122 32 42E,
then along the minor arc of a circle of 75.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 18 44 45S 123 20 36E
VERTICAL LIMITS: FL125 - FL200
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R809B CURTIN
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 18 44 45S 123 20 36E, 19 54 05S 122 49 43E
then along the minor arc of a circle of 150.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 17 27 20S 121 14 21E
17 31 38S 122 32 42E,
then along the minor arc of a circle of 75.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 18 44 45S 123 20 36E
VERTICAL LIMITS: FL200 - FL600
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R810A CURTIN
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 17 31 38S 122 32 42E, 17 27 20S 121 14 21E
then along the minor arc of a circle of 150.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 15 04 52S 123 58 17E

16 20 06S 123 54 41E,
then along the minor arc of a circle of 75.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 17 31 38S 122 32 42E
VERTICAL LIMITS: FL125 - FL200
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R810B CURTIN
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 17 31 38S 122 32 42E, 17 27 20S 121 14 21E
then along the minor arc of a circle of 150.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 15 04 52S 123 58 17E
16 20 06S 123 54 41E,
then along the minor arc of a circle of 75.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 17 31 38S 122 32 42E
VERTICAL LIMITS: FL200 - FL600
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YBBB/R811 CURTIN
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 16 04 26S 120 56 17E, 14 04 27S 122 56 24E
15 04 57S 123 58 17E, 17 04 28S 121 56 18E
16 04 26S 120 56 17E
VERTICAL LIMITS: NOTAM - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R850A LEARMONTH
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 22 27 47S 114 46 13E, 22 54 26S 116 07 49E
then along the minor arc of a circle of 120.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 24 07 12S 113 21 00E
22 51 49S 113 50 54E,
then along the minor arc of a circle of 40.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 22 27 47S 114 46 13E
VERTICAL LIMITS: NOTAM - FL280
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R850B LEARMONTH
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 22 27 47S 114 46 13E, 22 54 26S 116 07 49E
then along the minor arc of a circle of 120.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 24 07 12S 113 21 00E
22 51 49S 113 50 54E,
then along the minor arc of a circle of 40.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 22 27 47S 114 46 13E
VERTICAL LIMITS: FL280 - FL600
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R851A LEARMONTH
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 21 57 04S 114 44 39E, 21 22 24S 116 02 08E
then along the minor arc of a circle of 120.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 22 54 26S 116 07 49E
22 27 47S 114 46 13E,
then along the minor arc of a circle of 40.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 21 57 04S 114 44 39E
VERTICAL LIMITS: NOTAM - 10000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R851B LEARMONTH
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 21 57 04S 114 44 39E, 21 22 24S 116 02 08E
then along the minor arc of a circle of 120.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 22 54 26S 116 07 49E
22 27 47S 114 46 13E,
then along the minor arc of a circle of 40.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 21 57 04S 114 44 39E
VERTICAL LIMITS: 10000 - FL280
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R851C LEARMONTH
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 21 57 04S 114 44 39E, 21 22 24S 116 02 08E
then along the minor arc of a circle of 120.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 22 54 26S 116 07 49E
22 27 47S 114 46 13E,
then along the minor arc of a circle of 40.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 21 57 04S 114 44 39E
VERTICAL LIMITS: FL280 - FL600
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R852A LEARMONTH
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 21 37 40S 114 23 44E, 20 24 43S 114 59 27E
then along the minor arc of a circle of 120.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 21 22 24S 116 02 08E
21 57 04S 114 44 39E,
then along the minor arc of a circle of 40.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 21 37 40S 114 23 44E
VERTICAL LIMITS: 10000 - FL280
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R852B LEARMONTH
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 21 37 40S 114 23 44E, 20 24 43S 114 59 27E
then along the minor arc of a circle of 120.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 21 22 24S 116 02 08E
21 57 04S 114 44 39E,
then along the minor arc of a circle of 40.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 21 37 40S 114 23 44E
VERTICAL LIMITS: FL280 - FL600
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R853A LEARMONTH
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 20 49 14S 113 32 34E, 19 52 35S 113 10 54E
then along the minor arc of a circle of 150.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 19 57 19S 115 12 42E
20 52 05S 114 46 07E,
then along the minor arc of a circle of 90.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 20 49 14S 113 32 34E
VERTICAL LIMITS: NOTAM - FL280
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R853B LEARMONTH
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 20 49 14S 113 32 34E, 19 52 35S 113 10 54E
then along the minor arc of a circle of 150.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 19 57 19S 115 12 42E
20 52 05S 114 46 07E,
then along the minor arc of a circle of 90.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 20 49 14S 113 32 34E
VERTICAL LIMITS: FL280 - FL600
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R854A LEARMONTH
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 21 36 25S 113 50 49E, 20 49 14S 113 32 34E
then along the minor arc of a circle of 90.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 20 52 05S 114 46 07E
21 37 40S 114 23 44E,
then along the minor arc of a circle of 40.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 21 36 25S 113 50 49E
VERTICAL LIMITS: NOTAM - FL280
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R854B LEARMONTH
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 21 36 25S 113 50 49E, 20 49 14S 113 32 34E
then along the minor arc of a circle of 90.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 20 52 05S 114 46 07E
21 37 40S 114 23 44E,
then along the minor arc of a circle of 40.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 21 36 25S 113 50 49E
VERTICAL LIMITS: FL280 - FL600
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R859A LEARMONTH
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: A circle of 40.00NM radius centred on
22 14 05S 114 05 38E (LM/DME)
VERTICAL LIMITS: NOTAM - 10000
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R859B LEARMONTH
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: A circle of 40.00NM radius centred on
22 14 05S 114 05 38E (LM/DME)
VERTICAL LIMITS: 10000 - FL280
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R859C LEARMONTH
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: A circle of 40.00NM radius centred on
22 14 05S 114 05 38E (LM/DME)
VERTICAL LIMITS: FL280 - FL600
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R860A LEARMONTH
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: A circle of 25.00NM radius centred on
22 14 05S 114 05 38E (LM/DME)
VERTICAL LIMITS: NOTAM - 2500
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R860B LEARMONTH
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: A circle of 25.00NM radius centred on
22 14 05S 114 05 38E (LM/DME)
VERTICAL LIMITS: 2500 - FL280
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R860C LEARMONTH
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: A circle of 25.00NM radius centred on
22 14 05S 114 05 38E (LM/DME)
VERTICAL LIMITS: FL280 - FL600
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R861A LEARMONTH
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 22 21 08S 113 23 11E, 22 29 33S 112 29 59E
then along the minor arc of a circle of 90.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 20 49 14S 113 32 34E
21 36 25S 113 50 49E,
then along the minor arc of a circle of 40.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 22 21 08S 113 23 11E
VERTICAL LIMITS: NOTAM - FL280
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R861B LEARMONTH
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 22 21 08S 113 23 11E, 22 29 33S 112 29 59E
then along the minor arc of a circle of 90.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 20 49 14S 113 32 34E
21 36 25S 113 50 49E,
then along the minor arc of a circle of 40.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 22 21 08S 113 23 11E
VERTICAL LIMITS: FL280 - FL950
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R862A LEARMONTH
CONDITIONAL STATUS: RA2
Military Flying
LATERAL LIMITS: 22 29 33S 112 29 59E, 22 39 16S 111 26 00E
then along the minor arc of a circle of 150.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 19 52 35S 113 10 54E
20 49 14S 113 32 34E,
then along the minor arc of a circle of 90.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 22 29 33S 112 29 59E
VERTICAL LIMITS: NOTAM - FL280
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R862B LEARMONTH
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 22 29 33S 112 29 59E, 22 39 16S 111 26 00E
then along the minor arc of a circle of 150.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 19 52 35S 113 10 54E
20 49 14S 113 32 34E,
then along the minor arc of a circle of 90.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 22 29 33S 112 29 59E
VERTICAL LIMITS: FL280 - FL950
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R863A LEARMONTH
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 22 39 16S 111 26 00E, 22 29 33S 112 29 59E
then along the minor arc of a circle of 90.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 23 38 56S 113 32 16E
24 35 26S 113 09 38E,
then along the minor arc of a circle of 150.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 22 39 16S 111 26 00E
VERTICAL LIMITS: NOTAM - FL280
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R863B LEARMONTH
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 22 39 16S 111 26 00E, 22 29 33S 112 29 59E
then along the minor arc of a circle of 90.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 23 38 56S 113 32 16E
24 35 26S 113 09 38E,
then along the minor arc of a circle of 150.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 22 39 16S 111 26 00E
VERTICAL LIMITS: FL280 - FL950
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R864A LEARMONTH
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 22 51 49S 113 50 54E, 23 38 56S 113 32 16E
then along the minor arc of a circle of 90.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 22 29 33S 112 29 59E
22 21 08S 113 23 11E,
then along the minor arc of a circle of 40.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 22 51 49S 113 50 54E
VERTICAL LIMITS: NOTAM - FL280
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R864B LEARMONTH
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 22 51 49S 113 50 54E, 23 38 56S 113 32 16E
then along the minor arc of a circle of 90.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 22 29 33S 112 29 59E
22 21 08S 113 23 11E,
then along the minor arc of a circle of 40.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 22 51 49S 113 50 54E
VERTICAL LIMITS: FL280 - FL950
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R870A LEARMONTH
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 22 06 41S 113 51 35E, 22 10 43S 113 59 06E
then along LINE RD 1 to 22 14 09S 113 58 01E
22 28 39S 114 01 32E,
then along the minor arc of a circle of 15.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 22 06 41S 113 51 35E
VERTICAL LIMITS: NOTAM - FL250
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

YMMM/R870B LEARMONTH
CONDITIONAL STATUS: RA2
MILITARY FLYING
LATERAL LIMITS: 21 54 07S 113 28 18E, 22 06 41S 113 51 35E
then along the minor arc of a circle of 15.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 22 28 55S 114 02 50E
22 53 37S 113 58 10E,
then along the minor arc of a circle of 40.00NM radius centred on
22 14 05S 114 05 38E (LM/DME) to 21 54 07S 113 28 18E
VERTICAL LIMITS: NOTAM - FL250
HOURS OF ACTIVITY: NOTAM
CONTROLLING AUTHORITY: FLTCDR 452SQN DARWIN FLT

DANGER AREAS

YMMM/D104A JANDAKOT
FLYING TRAINING
LATERAL LIMITS: 32 10 24S 115 47 32E, 32 10 59S 115 55 29E
32 09 48S 115 56 41E, 32 09 14S 115 47 40E
then along ROCKINGHAM FREMANTLE ROAD 1 to 32 10 24S 115 47 32E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: H24
CONTACT: CASA OAR

YMMM/D104B JANDAKOT
FLYING TRAINING
LATERAL LIMITS: 32 13 37S 115 47 10E, 32 13 49S 115 56 52E
32 13 42S 116 01 11E, 32 11 23S 116 00 10E
32 09 48S 115 56 41E, 32 10 59S 115 55 29E
32 10 24S 115 47 32E,
then along ROCKINGHAM FREMANTLE ROAD 2 to 32 13 37S 115 47 10E
VERTICAL LIMITS: SFC - 3500
HOURS OF ACTIVITY: H24
CONTACT: CASA OAR

YMMM/D104C JANDAKOT
FLYING TRAINING
LATERAL LIMITS: 32 13 37S 115 47 10E,
then along ROCKINGHAM FREMANTLE ROAD 3 to 32 32 08S 115 43 02E
then along MANDURAH/PINJARRA RD to 32 37 50S 115 52 18E
32 24 18S 116 05 52E, 32 13 42S 116 01 11E
32 13 49S 115 56 52E, 32 13 37S 115 47 10E
VERTICAL LIMITS: SFC - 6000
HOURS OF ACTIVITY: H24
CONTACT: CASA OAR

YMMM/D106 TELFER GOLD MINE
BLASTING
LATERAL LIMITS: A circle of 2.50NM radius centred on 21 43 03S 122 11 27E
VERTICAL LIMITS: SFC - 1600
HOURS OF ACTIVITY: HJ
CONTACT: Telfer AD OPR

YMMM/D107 MOUNT MAGNET
BLASTING
LATERAL LIMITS: A circle of 1.00NM radius centred on 28 05 26S 117 48 09E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: HJ
CONTACT: Mt Magnet AD OPR

YMMM/D108 BRITANNIA WELL
BLASTING
LATERAL LIMITS: A circle of 1.00NM radius centred on 28 06 48S 117 48 38E
VERTICAL LIMITS: SFC - 3000
HOURS OF ACTIVITY: HJ
CONTACT: Harmony Gold Mount Magnet

YBBB/D110 BROOME
FIRING
LATERAL LIMITS: 17 50 30S 122 19 45E, 17 50 30S 122 20 20E
17 52 15S 122 20 20E, 17 52 45S 122 19 45E
17 50 30S 122 19 45E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: NOTAM
CONTACT: Army DOTAM WA

YMMM/D113 MURRIN MURRIN
BLASTING
LATERAL LIMITS: 28 52 25S 121 42 08E, 28 44 36S 121 48 52E
then along the minor arc of a circle of 3.70NM radius centred on 28 46 50S 121 52 13E to 28 48 13S 121 56 07E
28 57 20S 121 51 57E,
then along the major arc of a circle of 5.00NM radius centred on 28 55 27S 121 46 40E to 28 52 25S 121 42 08E
VERTICAL LIMITS: SFC - 2100
HOURS OF ACTIVITY: HJ
CONTACT: Murrin Murrin AD OPR

YMMM/D121 COSSACK PIONEER
HIGH VELOCITY GAS DISCHARGE
LATERAL LIMITS: A circle of 1.10NM radius centred on 19 35 24S 116 26 48E (YOKA/HLS)
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: H24
CONTACT: Woodside Cossack Pioneer

YMMM/D133 GOODWYN ALPHA
HIGH VELOCITY GAS DISCHARGE
LATERAL LIMITS: A circle of 1.00NM radius centred on 19 39 12S 115 55 42E (YGWN/HLS)
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: H24
CONTACT: Woodside Goodwyn Alpha

YMMM/D136 ALBANY
BLASTING
LATERAL LIMITS: A circle of 1.00NM radius centred on 34 56 55S 117 50 52E
VERTICAL LIMITS: SFC - 1100
HOURS OF ACTIVITY: HJ
CONTACT: Willy Yung Mine

YMMM/D137 NEWMAN
BLASTING
LATERAL LIMITS: A circle of 1.00NM radius centred on 23 20 18S 119 47 42E

VERTICAL LIMITS: SFC - 4100
HOURS OF ACTIVITY: HJ
CONTACT: Newman AD OPR

YMMM/D147 WILLOWDALE
BLASTING
LATERAL LIMITS: A circle of 4.00NM radius centred on 32 51 00S 116 03 00E
VERTICAL LIMITS: SFC - 3000
HOURS OF ACTIVITY: H24
CONTACT: Alcoa Willowdale

YMMM/D149 WITHNELL BAY SOUTH
HIGH VELOCITY GAS DISCHARGE
LATERAL LIMITS: A circle of 1.00NM radius centred on 20 36 53S 116 46 08E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: H24
CONTACT: Woodside Withnell Bay

YMMM/D150 WITHNELL BAY
HIGH VELOCITY GAS DISCHARGE
LATERAL LIMITS: A circle of 1.00NM radius centred on 20 35 17S 116 46 46E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: H24
CONTACT: Woodside Withnell Bay

YMMM/D151 NORTH RANKIN
HIGH VELOCITY GAS DISCHARGE
LATERAL LIMITS: A circle of 1.00NM radius centred on 19 35 06S 116 08 12E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: H24
CONTACT: Woodside North Rankin

YMMM/D154 KARRATHA DAMPIER
FIRING RANGE
LATERAL LIMITS: A circle of 0.50NM radius centred on 20 40 18S 116 45 06E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: NOTAM
CONTACT: Army DOTAM WA

YMMM/D158A MERREDIN
PILOT TRAINING
LATERAL LIMITS: A circle of 30.00NM radius centred on 31 31 24S 118 19 14E (YMDN/ALA)
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: H24
CONTACT: Merredin AD OPR

YMMM/D158B MERREDIN
PILOT TRAINING
LATERAL LIMITS: 31 39 08S 117 45 29E, 31 22 57S 118 53 05E then along the major arc of a circle of 30.15NM radius centred on 31 31 24S 118 19 14E (YMDN/ALA) to 31 39 08S 117 45 29E
VERTICAL LIMITS: 5000 - 8000
HOURS OF ACTIVITY: H24
CONTACT: Merredin AD OPR

YMMM/D159 HUNTLY
BLASTING
LATERAL LIMITS: A circle of 6.50NM radius centred on 32 35 00S 116 09 00E
VERTICAL LIMITS: SFC - 3000
HOURS OF ACTIVITY: H24
CONTACT: Alcoa Huntly

YMMM/D164 COOLILUP
FIRING
LATERAL LIMITS: 33 37 00S 115 30 00E, 33 35 00S 115 30 00E 33 35 00S 115 32 00E, 33 37 00S 115 32 00E 33 37 00S 115 30 00E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: D 2100-1200 EXPH or as amended by NOTAM
CONTACT: Army DOTAM WA

YMMM/D169 SWANBOURNE
FIRING
LATERAL LIMITS: 31 58 47S 115 43 00E, 31 56 49S 115 43 00E 31 56 49S 115 46 00E, 31 58 47S 115 46 00E 31 58 47S 115 43 00E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: H24
CONTACT: Army DOTAM WA

YMMM/D172 KARRATHA
BLASTING
LATERAL LIMITS: A circle of 1.00NM radius centred on 20 41 00S 116 44 30E
VERTICAL LIMITS: SFC - 500
HOURS OF ACTIVITY: JO
HJ
CONTACT: Karratha AD OPR

YBBB/D176 ARGYLE MINE
BLASTING
LATERAL LIMITS: A circle of 1.00NM radius centred on 16 42 50S 128 23 08E
VERTICAL LIMITS: SFC - 2100
HOURS OF ACTIVITY: HJ
CONTACT: Argyle AD OPR

YMMM/D181 MOUNT TOM PRICE
BLASTING
LATERAL LIMITS: A circle of 4.00NM radius centred on 22 45 47S 117 45 15E
VERTICAL LIMITS: SFC - 6700
HOURS OF ACTIVITY: H24
CONTACT: Rio Tinto Mt Tom Price

YMMM/D186 BROOKLANDS
PARACHUTING
LATERAL LIMITS: A circle of 2.00NM radius centred on 31 49 30S 116 47 46E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: HJ
CONTACT: Skydive Express

YBBB/D188 KOOLAN ISLAND
BLASTING
LATERAL LIMITS: A circle of 0.40NM radius centred on 16 07 36S 123 45 05E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: HJ
CONTACT: Mt Gibson Iron

YMMM/D193 PEARCE
MILITARY FLYING TRAINING
LATERAL LIMITS: 30 36 44S 115 08 59E,
then along the minor arc of a circle of 90.00NM radius centred on 31 56 42S 115 57 34E (PH/DME) to 30 31 17S 116 31 19E
30 59 47S 116 20 11E,
then along the minor arc of a circle of 60.00NM radius centred on 31 56 42S 115 57 34E (PH/DME) to 31 04 05S 115 23 36E
then along 2NM SEAWARD & PARL TO COT 10 2 to 30 38 29S 115 09 47E
then along 2NM SEAWARD & PARL TO COT 10 1 to 30 36 44S 115 08 59E
VERTICAL LIMITS: SFC - 4000
HOURS OF ACTIVITY: JO HJ or as amended by NOTAM
CONTACT: FLTCDR 453SQN PEARCE FLT

YMMM/D197 MUCHEA RANGE
FIRING
LATERAL LIMITS: 31 39 14S 115 53 05E, 31 37 30S 115 53 05E 31 37 30S 115 55 41E, 31 39 14S 115 55 41E 31 39 14S 115 53 05E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 453SQN PEARCE FLT

YMMM/D198 PEARCE
MILITARY FLYING TRAINING
LATERAL LIMITS: 31 52 46S 115 24 56E, 31 40 00S 113 38 07E
then along the minor arc of a circle of 120.00NM radius centred on 31 56 42S 115 57 34E (PH/DME) to 30 10 34S 114 51 52E
then along the minor arc of a circle of 120.00NM radius centred on 31 56 42S 115 57 34E (PH/DME) to 30 08 06S 114 57 33E
then along 2 NM SEAWARD & PARL TO COT/1 to 30 38 39S 115 04 55E
then along 2NM SEAWARD & PARL TO COT 8 to 30 40 24S 115 05 43E
then along 2NM SEAWARD & PARL TO COT 9 to 31 06 08S 115 19 35E
then along the minor arc of a circle of 60.00NM radius centred on 31 56 42S 115 57 34E (PH/DME) to 31 04 05S 115 23 36E
then along 2NM LAN & PARL TO COT to 31 45 43S 115 46 02E
31 52 46S 115 24 56E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: JO : HJ
CONTACT: FLTCDR 453SQN PEARCE FLT

YMMM/D199 PEARCE
MILITARY FLYING TRAINING
LATERAL LIMITS: 32 58 36S 115 18 38E, 33 42 40S 114 50 16E
then along the minor arc of a circle of 120.00NM radius centred on 31 56 42S 115 57 34E (PH/DME) to 31 40 00S 113 38 07E
31 52 31S 115 22 40E,
then along the minor arc of a circle of 30.00NM radius centred on 31 56 42S 115 57 34E (PH/DME) to 32 22 32S 115 39 30E
32 28 35S 115 37 42E, 32 58 36S 115 18 38E
VERTICAL LIMITS: SFC - 4000
HOURS OF ACTIVITY: JO : HJ
CONTACT: FLTCDR 453SQN PEARCE FLT

YMMM/D207A BOND SPRINGS
GLIDING
LATERAL LIMITS: 23 31 06S 133 36 44E,
then along the minor arc of a circle of 22.00NM radius centred on 23 47 34S 133 52 42E (AS/DME) to 23 25 40S 133 49 43E
then along STUART HIGHWAY 1 to 23 32 11S 133 51 48E
then along TANAMI ROAD 1 to 23 31 06S 133 36 44E
VERTICAL LIMITS: Base of CTA - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTACT: CASA OAR

YMMM/D207B BOND SPRINGS
GLIDING
LATERAL LIMITS: 23 29 03S 133 19 02E,
then along the minor arc of a circle of 36.00NM radius centred on 23 47 34S 133 52 42E (AS/DME) to 23 12 04S 133 45 27E
then along STUART HIGHWAY 2 to 23 25 40S 133 49 43E
then along the minor arc of a circle of 22.00NM radius centred on 23 47 34S 133 52 42E (AS/DME) to 23 31 06S 133 36 44E
then along TANAMI ROAD 2 to 23 29 03S 133 19 02E
VERTICAL LIMITS: Base of CTA - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTACT: CASA OAR

YMMM/D207C BOND SPRINGS
GLIDING
LATERAL LIMITS: 23 23 56S 133 10 57E,
then along the minor arc of a circle of 45.00NM radius centred on 23 47 34S 133 52 42E (AS/DME) to 23 04 16S 133 38 49E
then along STUART HIGHWAY 3 to 23 12 04S 133 45 27E
then along the minor arc of a circle of 36.00NM radius centred on 23 47 34S 133 52 42E (AS/DME) to 23 29 03S 133 19 02E
then along TANAMI ROAD 3 to 23 23 56S 133 10 57E
VERTICAL LIMITS: Base of CTA - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTACT: CASA OAR

YMMM/D207D BOND SPRINGS
GLIDING
LATERAL LIMITS: 23 16 44S 132 56 37E,
then along the minor arc of a circle of 60.00NM radius centred on 23 47 34S 133 52 42E (AS/DME) to 22 51 49S 133 28 06E
then along STUART HIGHWAY 4 to 23 04 16S 133 38 49E
then along the minor arc of a circle of 45.00NM radius centred on 23 47 34S 133 52 42E (AS/DME) to 23 23 56S 133 10 57E
then along TANAMI ROAD 4 to 23 16 44S 132 56 37E
VERTICAL LIMITS: Base of CTA - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTACT: CASA OAR

YBBB/D210 TINDAL
MILITARY FLYING
LATERAL LIMITS: 13 03 27S 130 41 17E, 15 05 44S 129 54 21E
15 15 20S 129 54 33E,
then along the minor arc of a circle of 150.00NM radius centred on
14 31 16S 132 22 40E (YPTN/AD) to 14 42 16S 134 56 58E
13 04 11S 132 04 17E, 12 55 13S 132 04 12E
12 55 13S 131 58 08E, 12 49 24S 131 58 08E
12 39 49S 131 32 33E,
then along the minor arc of a circle of 40.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 13 03 27S 130 41 17E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: W 2130-1330 EXPH or as amended by NOTAM
CONTACT: FLTCDR 452SQN TINDAL FLT

YBBB/D218 JABIRU
BLASTING
LATERAL LIMITS: A circle of 1.00NM radius centred on
12 41 12S 132 54 36E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: H24
CONTACT: Rio Tinto Jabiru

YMMM/D220 PARAFIELD
FLYING TRAINING/TRANSIT AREA
LATERAL LIMITS: 34 29 57S 138 11 23E, 34 26 27S 138 16 04E
34 23 03S 138 16 10E,
then along the minor arc of a circle of 36.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 34 21 27S 138 22 59E
34 36 54S 138 28 53E,
then along the minor arc of a circle of 20.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 34 39 47S 138 18 42E
34 29 57S 138 11 23E
VERTICAL LIMITS: SFC - 4500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D227 DARWIN LNG PLANT
DUE **HIGH VELOCITY GAS DISCHARGE**
LATERAL LIMITS: A circle of 0.50NM radius centred on
12 31 26S 130 52 13E
VERTICAL LIMITS: SFC - 900
HOURS OF ACTIVITY: H24
CONTACT: Conoco Phillips Darwin

YBBB/D236A COOLIBAH CORRIDOR NORTH
VFR TRANSIT LANE
LATERAL LIMITS: 15 11 48S 130 55 52E, 14 55 41S 130 55 52E
14 55 43S 131 00 00E, 15 12 01S 131 00 00E
then along THE IKYMBON RIVER to 15 11 48S 130 55 52E
VERTICAL LIMITS: SFC - 3000
HOURS OF ACTIVITY: NOTAM
CONTACT: Army RCO Coolibah Corridor

YBBB/D236B COOLIBAH CORRIDOR SOUTH
VFR TRANSIT LANE
LATERAL LIMITS: 15 21 05S 130 55 52E, 15 11 48S 130 55 52E
then along THE IKYMBON RIVER to 15 12 01S 131 00 00E
15 21 05S 131 00 00E, 15 21 05S 130 55 52E
VERTICAL LIMITS: SFC - 3000
HOURS OF ACTIVITY: NOTAM
CONTACT: Army RCO Coolibah Corridor

YMMM/D239 OLYMPIC DAM
BLASTING
LATERAL LIMITS: A circle of 1.00NM radius centred on
30 26 12S 136 51 24E
VERTICAL LIMITS: SFC - 900
HOURS OF ACTIVITY: D 0600-0830
CONTACT: Olympic Dam AD OPR

YBBB/D242 MCARTHUR RIVER MINE
BLASTING
LATERAL LIMITS: A circle of 1.50NM radius centred on
16 25 59S 136 06 24E
VERTICAL LIMITS: SFC - 650
HOURS OF ACTIVITY: NOTAM
CONTACT: McArthur River Mine AD OPR

YBBB/D243 TINDAL
BLASTING
LATERAL LIMITS: A circle of 1.00NM radius centred on
14 30 00S 132 20 00E
VERTICAL LIMITS: SFC - 1000
HOURS OF ACTIVITY: W 0130-0530 EXPH or as amended by NOTAM
CONTACT: FLTCDR 452SQN TINDAL FLT

YBBB/D256 MICKET CREEK
RIFLE RANGE
LATERAL LIMITS: 12 22 19S 130 56 14E, 12 24 28S 130 56 14E
12 24 28S 130 57 31E, 12 22 19S 130 57 31E
12 22 19S 130 56 14E
VERTICAL LIMITS: SFC - 600
HOURS OF ACTIVITY: H24
CONTACT: FLTCDR 452SQN DARWIN FLT

YBBB/D257 DARWIN
ACCESS LANE
LATERAL LIMITS: 13 27 53S 130 04 26E, 12 55 28S 130 06 58E
12 36 41S 130 22 00E, 12 34 16S 130 30 28E
then along the minor arc of a circle of 25.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 12 37 06S 130 31 46E
12 39 22S 130 23 53E, 12 43 15S 130 20 46E
then along COAST 21 to 12 54 54S 130 11 23E
12 56 35S 130 10 02E, 13 10 21S 130 08 57E
then along COAST 22 to 13 27 53S 130 04 26E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YMMM/D258A BURRA
MILITARY FLYING TRAINING
LATERAL LIMITS: 34 06 50S 138 35 22E, 33 51 46S 138 34 47E
then along the minor arc of a circle of 65.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 34 05 49S 139 20 23E
34 17 16S 139 08 38E,
then along the minor arc of a circle of 50.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 34 06 50S 138 35 22E

VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: JO HJ or as amended by NOTAM
CONTACT: FLTCDR 453SQN EDINBURGH FLT

YMMM/D258B BURRA
MILITARY FLYING TRAINING

LATERAL LIMITS: 33 51 46S 138 34 47E, 33 16 40S 138 33 26E
then along the minor arc of a circle of 100.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 27 05S 139 25 03E
33 42 20S 139 44 17E, 34 05 49S 139 20 23E
then along the minor arc of a circle of 65.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 51 46S 138 34 47E
VERTICAL LIMITS: SFC - 9500
HOURS OF ACTIVITY: JO HJ or as amended by NOTAM
CONTACT: FLTCDR 453SQN EDINBURGH FLT

YMMM/D258C BURRA
MILITARY FLYING TRAINING

LATERAL LIMITS: 33 16 40S 138 33 26E, 32 56 36S 138 32 41E
then along the minor arc of a circle of 120.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 10 12S 139 38 12E
33 38 22S 139 46 30E, 33 42 20S 139 44 17E
33 27 05S 139 25 03E,
then along the minor arc of a circle of 100.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 33 16 40S 138 33 26E
VERTICAL LIMITS: SFC - FL150
HOURS OF ACTIVITY: JO HJ or as amended by NOTAM
CONTACT: FLTCDR 453SQN EDINBURGH FLT

YBBB/D267 WESTERN HILLS
FIRING & MILITARY FLYING

LATERAL LIMITS: 14 47 55S 129 56 58E, 15 16 10S 129 50 44E
then along THE VICTORIA RIVER 11 to 15 10 53S 129 47 24E
then along THE VICTORIA RIVER 12 to 15 07 56S 129 41 08E
then along THE VICTORIA RIVER 13 to 15 01 15S 129 37 39E
then along THE VICTORIA RIVER 14 to 14 50 16S 129 38 38E
then along FITZMAURICE RIVER 1 to 14 47 19S 129 53 22E
then along FITZMAURICE RIVER 2 to 14 47 55S 129 56 58E
VERTICAL LIMITS: SFC - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTACT: Army RCO Western Hills

YMMM/D271 IRON MINES
BLASTING

LATERAL LIMITS: 33 16 22S 137 00 30E, 33 11 07S 137 01 51E
then along the minor arc of a circle of 3.00NM radius centred on
33 11 45S 137 05 21E to 33 11 36S 137 08 55E
33 15 04S 137 09 08E,
then along the minor arc of a circle of 3.00NM radius centred on
33 15 13S 137 05 34E to 33 17 00S 137 08 27E
33 18 47S 137 06 53E,
then along the minor arc of a circle of 3.00NM radius centred on
33 17 00S 137 04 00E to 33 16 22S 137 00 30E
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: H24
CONTACT: HWE Mining

YMMM/D274 MOOMBA
HIGH VELOCITY GAS DISCHARGE

LATERAL LIMITS: A circle of 0.50NM radius centred on
28 06 49S 140 12 07E
VERTICAL LIMITS: SFC - FL150
HOURS OF ACTIVITY: H24
CONTACT: Moomba AD OPR

YMMM/D280 PARAFIELD
FLYING TRAINING & TRANSIT AREA

LATERAL LIMITS: 34 47 27S 138 24 26E, 34 39 47S 138 18 42E
then along the minor arc of a circle of 20.00NM radius centred on
34 56 49S 138 31 28E (AD/DME) to 34 36 54S 138 28 53E
34 43 37S 138 31 27E,
then along the minor arc of a circle of 5.00NM radius centred on
34 42 09S 138 37 15E (YPED/AD) to 34 44 29S 138 31 53E
34 47 27S 138 24 26E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YMMM/D285 MURRAY BRIDGE
AEROBATIC AREA

LATERAL LIMITS: A circle of 3.00NM radius centred on
35 04 00S 139 12 50E
VERTICAL LIMITS: SFC - 4000
HOURS OF ACTIVITY: HJ
CONTACT: Murray Bridge AD OPR

YBBB/D288A COX PENINSULA
FLYING TRAINING

LATERAL LIMITS: 12 37 04S 130 32 56E, 12 34 58S 130 33 55E
then along PORT PATTERSON COAST to 12 30 10S 130 35 17E
12 28 38S 130 46 05E,
then along the minor arc of a circle of 7.00NM radius centred on
12 24 34S 130 51 55E to 12 29 10S 130 46 31E
then along THE PORT DARWIN COAST 1 to 12 33 41S 130 46 35E
12 41 11S 130 35 04E,
then along BYNOE HARBOUR to 12 37 04S 130 32 56E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D288B COX PENINSULA
MILITARY FLYING TRAINING

LATERAL LIMITS: 12 40 28S 130 36 10E, 12 33 41S 130 46 35E
12 33 59S 130 47 22E,
then along MIDDLE ARM COAST 2 to 12 33 06S 130 48 37E
12 33 39S 130 49 02E,
then along MIDDLE ARM COAST 1 to 12 36 01S 130 51 50E
12 36 29S 130 52 50E,
then along MIDDLE ARM COAST 3 to 12 36 28S 130 53 19E
12 42 37S 130 53 17E, 12 42 51S 130 42 05E
then along BYNOE HARBOUR 3 to 12 42 05S 130 39 45E
then along BYNOE HARBOUR 2X to 12 40 28S 130 36 10E
VERTICAL LIMITS: SFC - 1000
HOURS OF ACTIVITY: NOTAM
CONTACT: Army DO Robertson Barracks

YBBB/D288C COX PENINSULA
MILITARY FLYING TRAINING

LATERAL LIMITS: 12 52 59S 130 43 30E, 12 42 49S 130 43 25E
12 42 37S 130 53 17E, 12 45 30S 130 53 17E
12 45 30S 130 48 51E, 12 46 23S 130 48 51E
12 46 22S 130 47 03E, 12 49 53S 130 47 03E
12 49 53S 130 49 52E, 12 51 37S 130 49 54E

12 51 31S 130 57 52E, 12 58 46S 130 57 51E
12 58 46S 130 53 28E, 12 58 19S 130 53 28E
then along FINNISS RIVER to 12 58 14S 130 47 58E
12 52 59S 130 43 30E
VERTICAL LIMITS: SFC - 1000
HOURS OF ACTIVITY: NOTAM
CONTACT: Army DO Robertson Barracks

YMMM/D297A SOUTH PARA
FLYING TRAINING
LATERAL LIMITS: 34 48 00S 138 48 30E, 34 37 00S 138 47 00E
34 38 13S 138 53 03E, 34 47 36S 138 53 03E 34 48 00S 138 48 30E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: JO HJ or as amended by NOTAM
CONTACT: FLTCDR 453SQN EDINBURGH FLT

YMMM/D297B SOUTH PARA
FLYING TRAINING
LATERAL LIMITS: 34 47 36S 138 53 03E, 34 38 13S 138 53 03E
34 39 00S 138 57 00E, 34 47 00S 139 00 00E 34 47 36S 138 53 03E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: JO HJ or as amended by NOTAM
CONTACT: FLTCDR 453SQN EDINBURGH FLT

YMMM/D305 LAUNCESTON
FLYING TRAINING
LATERAL LIMITS: 41 41 45S 147 04 48E, 41 39 10S 146 56 22E
41 31 53S 146 49 53E, 41 31 58S 147 00 39E 41 41 45S 147 04 48E
VERTICAL LIMITS: SFC - 4000
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YMMM/D315 MOORABBIN
FLYING TRAINING
LATERAL LIMITS: 38 14 42S 145 15 24E, 38 05 22S 145 10 02E
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 02 06S 145 15 37E
38 07 06S 145 28 59E, 38 11 54S 145 28 36E
38 12 21S 145 26 28E,
then along the minor arc of a circle of 1.00NM radius centred on
38 12 56S 145 25 25E (YTDN/ALA) to 38 12 51S 145 24 09E
38 14 42S 145 15 24E
VERTICAL LIMITS: SFC - 7500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YMMM/D316 HOBART
FLYING TRAINING
LATERAL LIMITS: 43 03 00S 147 25 00E, 42 59 00S 147 24 00E
42 53 49S 147 25 02E, 42 57 18S 147 31 40E
42 58 51S 147 33 52E, 43 01 22S 147 31 15E
43 03 00S 147 25 00E
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: H24
CONTACT: CASA OAR

YMMM/D322A ST LEONARDS
UNMANNED AERIAL VEHICLE TESTING
LATERAL LIMITS: 38 08 40S 144 41 00E,
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 38 08 57S 144 42 25E
then along the major arc of a circle of 1.50NM radius centred on
38 10 09S 144 41 18E (YSLE/ALA) to 38 08 40S 144 41 00E
VERTICAL LIMITS: SFC - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTACT: Aerosonde Port Phillip Bay

YMMM/D322B PORT PHILLIP BAY
UNMANNED AERIAL VEHICLE TESTING
LATERAL LIMITS: 38 08 57S 144 42 25E, 38 08 00S 144 44 30E
38 08 00S 145 02 00E, 38 10 30S 145 02 00E
38 18 00S 144 54 30E, 38 18 00S 144 44 30E
38 11 44S 144 44 30E, 38 10 35S 144 43 08E
then along the minor arc of a circle of 1.50NM radius centred on
38 10 09S 144 41 18E (YSLE/ALA) to 38 08 57S 144 42 25E
VERTICAL LIMITS: SFC - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTACT: Aerosonde Port Phillip Bay

YMMM/D333 WARANGA BASIN
UNMANNED AERIAL VEHICLE TESTING
LATERAL LIMITS: A circle of 5.00NM radius centred on
36 34 01S 145 08 29E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: NOTAM
CONTACT: Flight Data Systems VIC

YMMM/D342 MORAN RESERVE
PARACHUTING
LATERAL LIMITS: A circle of 1.00NM radius centred on
37 52 38S 144 58 31E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: HJ
OT BY NOTAM
CONTACT: Skydive The Beach Melbourne

YMMM/D365 NAGAMBIE-WIRRATE
PARACHUTING
LATERAL LIMITS: A circle of 3.00NM radius centred on
36 46 50S 145 02 23E
VERTICAL LIMITS: SFC - FL125
HOURS OF ACTIVITY: HJ DAILY
CONTACT: Skydive Nagambie

YMMM/D369 SAVAGE RIVER MINE
BLASTING
LATERAL LIMITS: 41 31 54S 145 10 19E, 41 30 06S 145 14 25E
41 26 36S 145 13 54E, 41 25 46S 145 11 26E 41 31 54S 145 10 19E
VERTICAL LIMITS: SFC - 3000
HOURS OF ACTIVITY: H24
CONTACT: Australian Bulk Minerals

YMMM/D372 LANG LANG GAS PLANT
HIGH VELOCITY GAS DISCHARGE
LATERAL LIMITS: A circle of 0.30NM radius centred on
38 19 23S 145 36 12E
VERTICAL LIMITS: SFC - 1200

HOURS OF ACTIVITY: H24
CONTACT: Origin Energy Lang Lang

YMMM/D383 POINT COOK
FLYING TRAINING
LATERAL LIMITS: 37 55 26S 144 38 08E, 37 55 00S 144 38 57E
37 54 24S 144 39 54E, 37 53 23S 144 41 29E
37 52 29S 144 44 12E, 37 53 15S 144 50 32E
then along the minor arc of a circle of 5.00NM radius centred on
37 55 56S 144 45 12E (YMPC/AD) to 38 00 56S 144 45 13E
38 00 56S 144 37 11E, 37 56 05S 144 38 01E
37 55 26S 144 38 08E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: HJ or as amended by NOTAM
CONTACT: Point Cook AD OPR

YMMM/D386A HAMILTON
UNMANNED AERIAL VEHICLE TESTING
LATERAL LIMITS: A circle of 3.50NM radius centred on
37 45 00S 141 52 00E
VERTICAL LIMITS: SFC - 10000
HOURS OF ACTIVITY: NOTAM
CONTACT: Aerosonde Hamilton

YMMM/D386B HAMILTON
UNMANNED AERIAL VEHICLE TESTING
LATERAL LIMITS: 37 43 00S 141 55 38E, 37 43 01S 141 48 22E
then along the minor arc of a circle of 3.50NM radius centred on
37 45 00S 141 52 00E to 37 43 00S 141 55 38E
VERTICAL LIMITS: 10000 - FL180
HOURS OF ACTIVITY: NOTAM
CONTACT: Aerosonde Hamilton

YMMM/D389 TOORADIN
PARACHUTING
LATERAL LIMITS: A circle of 1.00NM radius centred on
38 12 56S 145 25 25E (YTDN/ALA)
NOTES: PJE ACFT operate on and monitor 120.0MHz
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: D 0900-2300 (LOCAL)
CONTACT: Commando Skydivers

YMMM/D392 WOODSIDE
OMEGA TWR & ASSOC GUY WIRES
LATERAL LIMITS: A circle of 3.00NM radius centred on
38 28 47S 146 56 12E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: H24
CONTACT: CASA OAR

YMMM/D399 BACCHUS MARSH
GLIDER FLYING
LATERAL LIMITS: 37 34 36S 144 13 18E, 37 36 24S 144 20 00E
37 43 00S 144 20 00E, 37 43 00S 144 13 00E
then along the minor arc of a circle of 30.00NM radius centred on
37 39 36S 144 50 32E (ML/DME) to 37 34 36S 144 13 18E
VERTICAL LIMITS: 4500 - 5500
HOURS OF ACTIVITY: NOTAM
CONTACT: Airservices Australia Melbourne

YMMM/D423 NOWRA
FLYING TRAINING
LATERAL LIMITS: 36 15 11S 149 15 20E, 35 20 06S 149 48 12E
35 08 13S 150 07 32E,
then along the minor arc of a circle of 23.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 35 19 57S 150 34 29E
36 36 46S 150 42 49E,
then along the minor arc of a circle of 100.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 36 15 11S 149 15 20E
NOTES: Refer Nowra Local Traffic Regulations.
VERTICAL LIMITS: SFC - 10000
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 453SQN NOWRA FLT

YMMM/D427 TEMORA
AIR DISPLAYS
LATERAL LIMITS: A circle of 5.00NM radius centred on
34 25 17S 147 30 42E (YTEM/AD)
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: NOTAM
CONTACT: Temora Historic Flight Club

YBBB/D431 ATTUNGA
BLASTING
LATERAL LIMITS: A circle of 0.60NM radius centred on
30 55 25S 150 51 35E
VERTICAL LIMITS: SFC - 3100
HOURS OF ACTIVITY: W 2300 - 0700
CONTACT: Unimin Australia

YBBB/D432 SULCOR
BLASTING
LATERAL LIMITS: A circle of 0.60NM radius centred on
30 52 16S 150 49 08E
VERTICAL LIMITS: SFC - 3300
HOURS OF ACTIVITY: W 2300 - 0700
CONTACT: Unimin Australia

YMMM/D451 MARULAN
UNMANNED AERIAL VEHICLE TESTING
LATERAL LIMITS: 34 15 56S 150 06 03E, 34 35 41S 150 02 04E
then along the minor arc of a circle of 1.00NM radius centred on
34 35 42S 150 03 17E to 34 36 29S 150 04 02E
34 20 25S 150 28 27E, 34 15 56S 150 06 03E
VERTICAL LIMITS: SFC - 4500
HOURS OF ACTIVITY: NOTAM
CONTACT: ACFR

YMMM/D456 BASS PT
QUARRY BLASTING
LATERAL LIMITS: A circle of 0.50NM radius centred on
34 35 58S 150 52 45E
VERTICAL LIMITS: SFC - 500
HOURS OF ACTIVITY: WS-HJ
CONTACT: Hanson Construction Materials

YMMM/D513 THE BALD HILLS
UAV OPERATIONS
LATERAL LIMITS: 32 00 00S 146 27 36E, 31 54 18S 146 37 18E
32 10 06S 146 51 42E, 32 15 54S 146 41 54E
32 00 00S 146 27 36E
VERTICAL LIMITS: SFC - FL180
HOURS OF ACTIVITY: NOTAM
CONTACT: Air Affairs Australia

YBBB/D523A TAMWORTH
FLYING TRAINING
LATERAL LIMITS: 31 12 52S 150 48 00E, 31 18 48S 150 46 50E
then along the minor arc of a circle of 15.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 30 59 11S 150 33 15E
then along THE POWER LINES to 31 01 15S 150 39 48E
then along the minor arc of a circle of 9.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 12 52S 150 48 00E
VERTICAL LIMITS: SFC - 3500
HOURS OF ACTIVITY: H24
CONTACT: BAE Systems

YBBB/D523B TAMWORTH
FLYING TRAINING
LATERAL LIMITS: 31 32 44S 150 11 53E, 31 10 14S 150 06 38E
then along THE TAMARANG TO GUNNEDAH ROAD to 31 02 14S 150 12 38E
then along the minor arc of a circle of 5.00NM radius centred on
30 57 40S 150 15 02E (YGDH/AD) to 30 58 49S 150 20 42E
then along OXLEY HWY 3 to 30 58 34S 150 27 59E
then along A POWER LINE to 30 59 11S 150 33 15E
then along the minor arc of a circle of 15.00NM radius centred on
31 03 58S 150 49 48E (TW/DME) to 31 18 48S 150 46 50E
31 31 39S 150 44 17E,
then along THE QUIRINDI RD to 31 31 45S 150 39 50E
then along HWY 37 to 31 25 36S 150 35 23E
31 25 31S 150 34 30E,
then along the minor arc of a circle of 5.10NM radius centred on
31 29 55S 150 31 05E (YQDI/AD) to 31 30 35S 150 25 09E
then along PINE RIDGE TO SPRING RIDGE RD to 31 32 44S 150 11 53E
VERTICAL LIMITS: SFC - 8000
HOURS OF ACTIVITY: H24
CONTACT: BAE Systems

YMMM/D526 CADIA GOLD MINE
BLASTING
LATERAL LIMITS: A circle of 1.60NM radius centred on
33 28 00S 148 59 49E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: WS-HJ
CONTACT: Newcrest Mining

YMMM/D530 WOLLONGONG
LATERAL LIMITS: 34 24 56S 150 52 48E, 34 23 08S 150 53 57E
then along the minor arc of a circle of 30.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 23 31S 150 54 50E
34 25 20S 150 54 34E, 34 24 56S 150 52 48E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: HJ
CONTACT: Skydive Centre Wollongong NSW

YBBB/D531A GUNNEDAH
FLYING TRAINING
LATERAL LIMITS: 31 05 49S 149 54 49E,
then along ROAD 1 to 30 46 16S 149 57 50E
then along the minor arc of a circle of 5.00NM radius centred on
30 43 30S 150 02 40E to 30 48 30S 150 03 10E
then along NORTH WESTERN RAILWAY to 30 56 03S 150 09 32E
then along the minor arc of a circle of 5.00NM radius centred on
30 57 40S 150 15 02E (YGDH/AD) to 30 59 22S 150 09 34E
then along OXLEY HWY 4 to 31 05 49S 149 54 49E
VERTICAL LIMITS: SFC - 8000
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D531B GUNNEDAH
FLYING TRAINING
LATERAL LIMITS: 30 48 30S 150 03 10E,
then along the minor arc of a circle of 5.00NM radius centred on
30 43 30S 150 02 40E to 30 40 39S 150 07 27E
then along ROAD 2 to 30 41 24S 150 18 25E
30 42 34S 150 21 02E, 30 45 44S 150 19 03E
30 51 08S 150 20 17E,
then along THE ROAD 1 to 30 53 30S 150 18 16E
then along the minor arc of a circle of 5.00NM radius centred on
30 57 40S 150 15 02E (YGDH/AD) to 30 56 03S 150 09 32E
then along NORTH WESTERN RAILWAY to 30 48 30S 150 03 10E
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB-YMMM/D538A WILLIAMTOWN
MILITARY FLYING TRAINING
LATERAL LIMITS: 32 24 58S 149 14 00E, 33 20 27S 149 43 36E
33 28 11S 150 28 56E,
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 14 18S 150 52 08E
32 03 38S 150 44 11E, 31 38 06S 150 29 05E
32 33 11S 149 43 17E, 32 34 15S 149 25 43E
32 24 58S 149 14 00E
VERTICAL LIMITS: SFC - 7500
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 453SQN WILLIAMTOWN FLT

YBBB-YMMM/D538B WILLIAMTOWN
MILITARY FLYING TRAINING
LATERAL LIMITS: 31 35 47S 148 48 19E, 32 24 58S 149 14 00E
32 34 15S 149 25 43E, 32 33 11S 149 43 17E
31 38 06S 150 29 05E, 31 04 48S 150 09 38E
31 35 47S 148 48 19E
VERTICAL LIMITS: SFC - 10000
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 453SQN WILLIAMTOWN FLT

YMMM/D539A BANKSTOWN
LANE OF ENTRY
LATERAL LIMITS: 33 45 42S 151 04 42E, 33 49 26S 151 05 17E
then along HOMEBUSH BAY 4 to 33 50 28S 151 04 56E
33 51 04S 151 04 54E,
then along the minor arc of a circle of 0.40NM radius centred on
33 51 03S 151 04 25E to 33 51 25S 151 04 14E
33 54 17S 151 02 37E,
then along the minor arc of a circle of 3.00NM radius centred on
33 55 28S 150 59 18E (YSBK/AD) to 33 53 08S 150 57 01E
then along the minor arc of a circle of 12.00NM radius centred on

33 56 34S 151 10 51E (SY/DME) to 33 45 42S 151 04 42E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YMMM/D539B BANKSTOWN
LANE OF ENTRY
LATERAL LIMITS: 33 45 05S 150 54 00E, 33 41 00S 151 00 00E
33 45 42S 151 04 42E,
then along the minor arc of a circle of 12.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 53 08S 150 57 01E
then along the minor arc of a circle of 3.00NM radius centred on
33 55 28S 150 59 18E (YSBK/AD) to 33 53 49S 150 56 17E
33 45 05S 150 54 00E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YMMM/D543 URANQUINTY
PLUME RISE HAZARD
LATERAL LIMITS: A circle of 0.50NM radius centred on
35 10 53S 147 12 53E
VERTICAL LIMITS: SFC - 4700
HOURS OF ACTIVITY: H24
CONTACT: Origin Energy Uranquinty

YMMM/D552 CAMDEN
FLYING TRAINING
LATERAL LIMITS: 33 58 10S 150 28 26E, 33 58 47S 150 34 28E
then along ROAD 13 to 34 00 28S 150 38 36E
34 01 38S 150 39 01E,
then along the minor arc of a circle of 2.00NM radius centred on
34 02 25S 150 41 14E (YSCN/AD) to 34 04 22S 150 41 47E
then along OLD HUME HWY to 34 10 21S 150 36 10E
then along RAILWAY 10 to 34 13 56S 150 32 50E
then along LITTLE/NATTAI RIVERS to 34 05 08S 150 26 28E
then along EASTERN BANK OF LAKE BURRAGORANG to 33 58 10S 150 28 26E
VERTICAL LIMITS: SFC - 4500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YMMM/D556A BANKSTOWN
FLYING TRAINING
LATERAL LIMITS: 34 11 00S 150 50 00E, 34 02 31S 150 44 22E
then along ROAD 6 to 33 58 27S 150 44 25E
then along ROAD 7 to 33 56 34S 150 44 01E
then along ROAD 8 to 33 52 27S 150 44 45E
then along ROAD 10 to 33 52 16S 150 43 09E
then along ROAD 11 to 33 49 08S 150 45 43E
then along ROAD 12 to 33 46 16S 150 46 34E
33 47 02S 150 49 43E, 33 48 13S 150 54 49E
33 53 49S 150 56 17E, 33 57 53S 150 57 19E
33 58 00S 150 54 43E, 34 06 00S 150 49 30E
34 11 00S 150 50 00E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YMMM/D556B BANKSTOWN
FLYING TRAINING
LATERAL LIMITS: 33 58 47S 150 34 20E, 33 58 10S 150 28 26E
then along WARRAGAMBA RVR to 33 53 12S 150 36 01E
then along WARRAGAMBA/NEPEAN RIVERS to 33 47 04S 150 38 34E
33 48 32S 150 41 28E, 33 49 08S 150 45 43E
then along ROAD 11 to 33 52 16S 150 43 09E
then along ROAD 10 to 33 52 27S 150 44 45E
then along ROAD 8 to 33 56 34S 150 44 01E
then along ROAD 7 to 33 58 27S 150 44 25E
34 00 28S 150 38 36E,
then along THE ROAD 3 to 33 58 47S 150 34 20E
VERTICAL LIMITS: SFC - 4500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D589A WILLIAMTOWN
ACCESS LANE
LATERAL LIMITS: 32 44 28S 151 33 35E, 32 43 32S 151 31 06E
then along 1NM PARL TO RAILWAY 4 to 32 22 20S 151 45 48E
32 23 40S 151 47 41E,
then along 1NM PARL TO RAILWAY 5 to 32 44 28S 151 33 35E
VERTICAL LIMITS: SFC - 1600
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 453SQN WILLIAMTOWN FLT

YBBB/D589B WILLIAMTOWN
ACCESS LANE
LATERAL LIMITS: 32 23 40S 151 47 41E, 32 22 20S 151 45 48E
then along 1NM PARL TO RAILWAY 3 to 32 19 54S 151 54 10E
then along 1NM PARL TO RAILWAY 1 to 32 00 00S 151 56 13E
then along 1NM PARL TO RAILWAY 9 to 31 53 41S 152 02 08E
then along the minor arc of a circle of 55.00NM radius centred on
32 47 49S 151 49 59E (WLM/TAC) to 31 54 36S 152 06 52E
then along 1NM PARL TO RAILWAY 8 to 32 00 00S 151 59 47E
then along 1NM PARL TO RAILWAY 7 to 32 21 40S 151 57 14E
then along 1NM PARL TO RAILWAY 6 to 32 23 40S 151 47 41E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 453SQN WILLIAMTOWN FLT

YMMM/D593A WILTON
PARACHUTING
LATERAL LIMITS: 34 11 23S 150 39 25E,
then along the minor arc of a circle of 30.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 14 36S 150 41 56E
then along the major arc of a circle of 2.00NM radius centred on
34 13 18S 150 40 06E (YWIO/ALA) to 34 11 23S 150 39 25E
VERTICAL LIMITS: SFC - 7500
HOURS OF ACTIVITY: HJ
CONTACT: Sydney Parachute and Skydiving Centre

YMMM/D593B WILTON
PARACHUTING
LATERAL LIMITS: 34 11 23S 150 39 25E,
then along the minor arc of a circle of 30.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 14 36S 150 41 56E
then along the minor arc of a circle of 2.00NM radius centred on
34 13 18S 150 40 06E (YWIO/ALA) to 34 11 23S 150 39 25E
VERTICAL LIMITS: SFC - 4500
HOURS OF ACTIVITY: HJ
CONTACT: Sydney Parachute and Skydiving Centre

YBBB/D600 WILLIAMTOWN
MILITARY JET CORRIDOR
LATERAL LIMITS: 32 10 00S 150 44 54E, 33 00 00S 150 50 31E
33 00 00S 151 37 36E, 32 47 22S 151 37 30E
32 37 18S 151 43 06E, 32 22 47S 151 51 04E
then along the minor arc of a circle of 25.00NM radius centred on
32 47 49S 151 49 59E (WLM/TAC) to 32 23 49S 151 58 27E
32 09 43S 152 01 43E, 32 10 00S 152 01 08E
32 10 00S 150 44 54E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 453SQN WILLIAMTOWN FLT

YBBB/D602 SCHERGER
MILITARY FLYING
LATERAL LIMITS: 12 22 27S 142 06 50E, 11 57 28S 142 09 29E
then along the minor arc of a circle of 40.00NM radius centred on
12 37 26S 142 05 14E (YBSG/AD) to 13 17 24S 142 00 58E
12 52 25S 142 03 38E,
then along the minor arc of a circle of 15.00NM radius centred on
12 37 26S 142 05 14E (YBSG/AD) to 12 22 27S 142 06 50E
VERTICAL LIMITS: SFC - 4000
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/D606 SCHERGER
MILITARY FLYING
LATERAL LIMITS: 14 37 18S 141 52 22E,
then along the major arc of a circle of 120.00NM radius centred on
12 37 26S 142 05 14E (YBSG/AD) to 10 37 32S 142 17 54E
11 57 28S 142 09 29E,
then along the major arc of a circle of 40.00NM radius centred on
12 37 26S 142 05 14E (YBSG/AD) to 13 17 24S 142 00 58E
14 37 18S 141 52 22E
VERTICAL LIMITS: SFC - FL125
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/D611 BALLERA
HIGH PRESSURE GAS VENTING
LATERAL LIMITS: A circle of 0.50NM radius centred on
27 23 36S 141 48 18E
VERTICAL LIMITS: SFC - FL150
HOURS OF ACTIVITY: H24
CONTACT: SANTOS Ballera

YBBB/D612A AMBERLEY
MILITARY FLYING
LATERAL LIMITS: 27 42 08S 152 32 14E, 27 25 55S 152 25 08E
then along the minor arc of a circle of 20.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 27 18 23S 152 43 04E
27 29 24S 152 47 34E,
then along the minor arc of a circle of 10.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 27 42 08S 152 32 14E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN AMBERLEY FLT

YBBB/D612B AMBERLEY
MILITARY FLYING
LATERAL LIMITS: 27 25 55S 152 25 08E, 27 42 08S 152 32 14E
then along the minor arc of a circle of 10.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 27 44 13S 152 51 55E
27 53 24S 152 45 11E, 27 58 25S 152 40 49E
then along the minor arc of a circle of 20.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 27 25 55S 152 25 08E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN AMBERLEY FLT

YBBB/D613 OAKEY
FLYING TRAINING
LATERAL LIMITS: 27 10 26S 151 23 23E, 26 59 03S 151 25 26E
then along the minor arc of a circle of 30.00NM radius centred on
27 23 59S 151 44 17E (OK/DME) to 26 54 23S 151 50 20E
26 58 57S 152 18 35E, 27 05 46S 152 17 03E
27 04 27S 152 12 59E,
then along the minor arc of a circle of 43.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 27 10 54S 152 05 32E
then along the minor arc of a circle of 23.00NM radius centred on
27 23 59S 151 44 17E (OK/DME) to 27 10 26S 151 23 23E
VERTICAL LIMITS: SFC - 5500
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN OAKEY FLT

YBBB/D616 EVANS HEAD
LANE OF ENTRY
LATERAL LIMITS: 29 01 20S 153 17 00E, 28 57 00S 153 27 30E
28 56 21S 153 31 28E,
then along THE COAST 45 to 29 06 55S 153 26 11E
then along NTH BANK OF EVANS AND RIC RVRS to 29 01 20S 153 17 00E
VERTICAL LIMITS: SFC - 1000
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D617A AMBERLEY
MILITARY FLYING
LATERAL LIMITS: 25 27 41S 153 15 56E, 24 50 56S 153 38 38E
25 31 53S 154 17 17E, 26 15 42S 153 29 56E
26 10 07S 153 25 43E, 25 44 29S 153 16 51E
25 27 41S 153 15 56E
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN AMBERLEY FLT

YBBB/D617B AMBERLEY
MILITARY FLYING
LATERAL LIMITS: 24 50 56S 153 38 38E, 23 59 01S 154 10 14E
24 49 42S 155 02 03E, 25 31 53S 154 17 17E
24 50 56S 153 38 38E
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN AMBERLEY FLT

YBBB/D617C AMBERLEY
MILITARY FLYING
LATERAL LIMITS: 25 31 53S 154 17 17E, 24 49 42S 155 02 03E
25 39 32S 155 54 00E, 26 12 15S 154 55 58E 25 31 53S 154 17 17E
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN AMBERLEY FLT

YBBB/D617D AMBERLEY
MILITARY FLYING
LATERAL LIMITS: 26 15 42S 153 29 56E, 25 31 53S 154 17 17E
26 12 15S 154 55 58E, 26 46 43S 153 53 29E 26 15 42S 153 29 56E
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN AMBERLEY FLT

YBBB/D621A AMBERLEY
MILITARY FLYING
LATERAL LIMITS: 27 17 43S 150 53 42E, 27 34 40S 151 54 29E
then along the minor arc of a circle of 43.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 27 52 51S 151 57 01E
28 08 31S 151 03 38E,
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 17 43S 150 53 42E
VERTICAL LIMITS: SFC - 10000
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN AMBERLEY FLT

YBBB/D621B AMBERLEY
MILITARY FLYING
LATERAL LIMITS: 28 08 31S 151 03 38E, 27 52 51S 151 57 01E
then along the minor arc of a circle of 43.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 28 01 11S 152 01 30E
28 44 32S 151 29 42E,
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 08 31S 151 03 38E
VERTICAL LIMITS: SFC - 10000
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN AMBERLEY FLT

YBBB/D621C AMBERLEY
MILITARY FLYING
LATERAL LIMITS: 28 10 00S 149 48 00E, 26 57 38S 149 44 03E
27 17 43S 150 53 42E,
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 08 31S 151 03 38E
28 28 30S 149 53 24E, 28 10 00S 149 48 00E
VERTICAL LIMITS: SFC - 10000
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN AMBERLEY FLT

YBBB/D621D AMBERLEY
MILITARY FLYING
LATERAL LIMITS: 29 22 09S 150 09 17E, 28 28 30S 149 53 24E
28 08 31S 151 03 38E,
then along the minor arc of a circle of 120.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 28 44 32S 151 29 42E
29 22 09S 150 09 17E
VERTICAL LIMITS: SFC - 10000
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN AMBERLEY FLT

YBBB/D623 CEDAR GROVE
ROCKET LAUNCHING
LATERAL LIMITS: A circle of 0.50NM radius centred on
27 51 09S 152 57 27E
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: NOTAM
CONTACT: Queensland Rocketry Society

YBBB/D624 CABARLAH
FIRING
LATERAL LIMITS: 27 27 00S 151 59 18E, 27 26 42S 151 59 24E
27 26 48S 151 59 42E, 27 27 06S 151 59 36E
27 27 00S 151 59 18E
VERTICAL LIMITS: SFC - 3500
HOURS OF ACTIVITY: NOTAM
CONTACT: Army RCO Cabarlah

YBBB/D629A GLASSHOUSE
CIVIL FLYING TRAINING
LATERAL LIMITS: 27 17 00S 152 59 49E, 27 13 13S 152 59 16E
then along the minor arc of a circle of 12.00NM radius centred on
27 23 03S 153 07 03E (YBBN/AD) to 27 11 11S 153 09 17E
27 13 16S 153 09 03E, 27 13 54S 153 04 35E
27 17 00S 152 59 49E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D629B GLASSHOUSE
CIVIL FLYING TRAINING
LATERAL LIMITS: 27 08 11S 153 09 37E, 27 11 11S 153 09 17E
then along the minor arc of a circle of 12.00NM radius centred on
27 23 03S 153 07 03E (YBBN/AD) to 27 13 13S 152 59 16E
then along D`AGUILAR HWY 30 to 27 09 59S 152 58 43E
then along the minor arc of a circle of 15.00NM radius centred on
27 23 03S 153 07 03E (YBBN/AD) to 27 08 11S 153 09 37E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D629C GLASSHOUSE
CIVIL FLYING TRAINING
LATERAL LIMITS: 26 43 30S 153 08 08E, 26 48 25S 153 08 17E
then along COAST/BRIBIE IS to 27 05 00S 153 12 00E
27 08 11S 153 09 37E,
then along the minor arc of a circle of 15.00NM radius centred on
27 23 03S 153 07 03E (YBBN/AD) to 27 09 59S 152 58 43E
then along D AGUILAR HWY 2 to 27 05 18S 152 57 02E
27 04 40S 152 57 08E, 26 41 07S 152 58 40E
then along the minor arc of a circle of 8.00NM radius centred on
26 35 52S 153 05 25E (SU/DME) to 26 43 30S 153 08 08E
VERTICAL LIMITS: SFC - 3500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D629D GLASSHOUSE
CIVIL FLYING TRAINING
LATERAL LIMITS: 27 02 14S 152 57 17E, 27 04 40S 152 57 08E
27 05 07S 152 56 18E,
then along DAGUILAR HWY1 to 27 03 44S 152 54 26E
then along the minor arc of a circle of 22.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 02 14S 152 57 17E
VERTICAL LIMITS: SFC - 3500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D629E GLASSHOUSE
CIVIL FLYING TRAINING
LATERAL LIMITS: 26 48 52S 152 58 10E, 27 02 14S 152 57 17E
then along the minor arc of a circle of 22.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 03 44S 152 54 26E
then along DAGUILAR HWY3 to 26 55 14S 152 43 08E
then along the minor arc of a circle of 35.00NM radius centred on
27 23 03S 153 07 03E (YBBN/AD) to 26 48 52S 152 58 10E
VERTICAL LIMITS: SFC - 4500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D630A AMBERLEY
FLYING TRAINING
LATERAL LIMITS: 27 29 10S 152 16 04E, 27 28 05S 152 05 05E
then along the minor arc of a circle of 35.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 27 07 49S 152 23 29E
27 13 25S 152 41 03E, 27 18 23S 152 43 04E
then along the minor arc of a circle of 20.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 27 25 55S 152 25 08E
27 29 10S 152 16 04E
VERTICAL LIMITS: SFC - 4500
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN AMBERLEY FLT

YBBB/D630B AMBERLEY
FLYING TRAINING
LATERAL LIMITS: 27 28 05S 152 05 05E, 27 29 10S 152 16 04E
27 25 55S 152 25 08E,
then along the minor arc of a circle of 20.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 27 58 25S 152 40 49E
28 11 29S 152 29 24E,
then along the minor arc of a circle of 35.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 27 28 05S 152 05 05E
VERTICAL LIMITS: SFC - 4500
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN AMBERLEY FLT

YBBB/D630C AMBERLEY
FLYING TRAINING
LATERAL LIMITS: 27 28 05S 152 05 05E, 27 25 23S 151 56 37E
then along the minor arc of a circle of 43.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 27 04 27S 152 12 59E
27 07 49S 152 23 29E,
then along the minor arc of a circle of 35.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 27 28 05S 152 05 05E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN AMBERLEY FLT

YBBB/D630D AMBERLEY
FLYING TRAINING
LATERAL LIMITS: 27 25 23S 151 56 37E, 27 28 05S 152 05 05E
then along the minor arc of a circle of 35.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 28 11 29S 152 29 24E
28 18 05S 152 23 37E,
then along the minor arc of a circle of 43.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 27 25 23S 151 56 37E
VERTICAL LIMITS: SFC - 8500
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN AMBERLEY FLT

YBBB/D632 AMBERLEY
MILITARY FLYING
LATERAL LIMITS: 26 12 15S 154 55 58E, 25 39 32S 155 54 00E
26 15 50S 156 30 28E, 26 33 23S 155 46 55E
27 13 12S 154 44 29E, 27 23 00S 154 28 52E
26 46 43S 153 53 29E, 26 12 15S 154 55 58E
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN AMBERLEY FLT

YBBB/D636 SWANBANK/BLACKSTONE
LATERAL LIMITS: A circle of 0.80NM radius centred on
27 39 16S 152 48 53E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: H24
CONTACT: Stanwell/Energy Australia

YBBB/D645 AMBERLEY
MILITARY FLYING
LATERAL LIMITS: 28 44 32S 151 29 42E, 28 01 11S 152 01 30E
then along the minor arc of a circle of 43.00NM radius centred on
27 38 26S 152 42 43E (YAMB/AD) to 28 18 05S 152 23 37E
29 06 00S 153 05 40E, 29 15 00S 153 03 30E
29 20 53S 153 13 04E, 29 36 19S 152 51 04E
29 02 56S 150 50 43E, 28 44 32S 151 29 42E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN AMBERLEY FLT

YBBB/D648 PURGA RANGE
FIRING
LATERAL LIMITS: A circle of 1.00NM radius centred on
27 43 07S 152 45 47E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: NOTAM
CONTACT: Army RCO Greenbank

YBBB/D651 WATTS BRIDGE
UNMANNED AERIAL VEHICLE (UAV) TESTING
LATERAL LIMITS: 27 06 14S 152 24 05E, 27 02 28S 152 29 19E
27 05 30S 152 30 11E, 27 07 48S 152 30 18E
27 08 54S 152 27 55E, 27 08 10S 152 25 30E
27 06 14S 152 24 05E
VERTICAL LIMITS: SFC - 3000
HOURS OF ACTIVITY: NOTAM
CONTACT: Insitu Pacific

YBBB/D652 OAKEY
HEAT PLUME AVOIDANCE
LATERAL LIMITS: A circle of 0.30NM radius centred on
27 25 04S 151 40 53E
VERTICAL LIMITS: SFC - 2800
HOURS OF ACTIVITY: H24
CONTACT: Power Holding

YBBB/D656A GOLD COAST
FLYING TRAINING
LATERAL LIMITS: 28 16 51S 153 27 55E, 28 16 39S 153 27 50E

then along THE TWEED RIVER to 28 19 18S 153 25 38E
then along the minor arc of a circle of 10.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 19 32S 153 34 12E
then along COAST 510 to 28 15 44S 153 35 00E
then along the minor arc of a circle of 7.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 16 51S 153 27 55E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D656B GOLD COAST
FLYING TRAINING
LATERAL LIMITS: 28 24 08S 153 24 01E, 28 19 18S 153 25 38E
then along the minor arc of a circle of 10.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 19 32S 153 34 12E
then along COAST 490 to 28 24 51S 153 33 47E
then along the minor arc of a circle of 15.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 24 08S 153 24 01E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D656C GOLD COAST
FLYING TRAINING
LATERAL LIMITS: 28 26 30S 153 27 00E, 28 24 08S 153 24 01E
then along the minor arc of a circle of 15.00NM radius centred on
28 10 08S 153 30 14E (CG/DME) to 28 24 51S 153 33 47E
then along COAST 480 to 28 34 44S 153 33 48E
then along the minor arc of a circle of 25.00NM radius centred on
28 09 52S 153 30 17E (YBCG/AD) to 28 34 55S 153 31 04E
28 33 30S 153 30 00E, 28 26 30S 153 27 00E
VERTICAL LIMITS: SFC - 4500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D656D GOLD COAST
FLYING TRAINING
LATERAL LIMITS: 28 36 09S 153 32 33E, 28 34 55S 153 31 04E
then along the minor arc of a circle of 25.00NM radius centred on
28 09 52S 153 30 17E (YBCG/AD) to 28 34 44S 153 33 48E
then along COAST 380 to 28 40 27S 153 36 55E
28 37 59S 153 33 24E, 28 36 09S 153 32 33E
VERTICAL LIMITS: SFC - 4500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D658A AMBERLEY
MILITARY FLYING
LATERAL LIMITS: 27 23 00S 154 28 52E, 27 13 12S 154 44 29E
27 46 28S 154 44 29E, 27 23 00S 154 28 52E
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN AMBERLEY FLT

YBBB/D658B AMBERLEY
MILITARY FLYING
LATERAL LIMITS: 27 13 12S 154 44 29E, 26 33 23S 155 46 55E
26 15 50S 156 30 28E, 27 16 34S 157 31 03E
28 50 10S 156 37 53E, 27 46 28S 154 44 29E
27 13 12S 154 44 29E
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN AMBERLEY FLT

YBBB/D664 KINGAROY
FLYING TRAINING
LATERAL LIMITS: 26 26 00S 151 41 00E, 26 22 00S 151 50 00E
26 30 00S 152 03 00E, 26 41 00S 152 01 00E
26 47 00S 151 46 00E, 26 43 00S 151 40 00E
26 26 00S 151 41 00E
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D666 ARCHERFIELD
FLYING TRAINING
LATERAL LIMITS: 27 33 43S 153 04 46E, 27 32 56S 153 14 50E
27 25 52S 153 23 37E,
then along the minor arc of a circle of 15.00NM radius centred on
27 23 03S 153 07 03E (YBBN/AD) to 27 37 09S 153 01 13E
then along the minor arc of a circle of 3.00NM radius centred on
27 34 13S 153 00 29E (YBAF/AD) to 27 35 41S 153 03 26E
27 33 43S 153 04 46E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D672 ARCHERFIELD
TRAINING AREA
LATERAL LIMITS: 27 52 00S 153 10 16E, 27 45 20S 152 58 04E
then along THE RAILWAY 6 to 27 37 09S 153 01 13E
then along the minor arc of a circle of 15.00NM radius centred on
27 23 03S 153 07 03E (YBBN/AD) to 27 36 48S 153 13 53E
27 43 08S 153 12 33E,
then along PACIFIC HWY 33 to 27 50 44S 153 18 13E
then along the minor arc of a circle of 30.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 52 00S 153 10 16E
VERTICAL LIMITS: SFC - 3500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D673 ARCHERFIELD
TRAINING AREA
LATERAL LIMITS: 27 54 15S 152 50 50E, 27 46 40S 152 57 16E
then along THE RAILWAY 2 to 27 45 20S 152 58 04E
27 52 05S 153 10 25E, 28 10 00S 153 06 00E
28 10 00S 152 50 50E, 27 54 15S 152 50 50E
VERTICAL LIMITS: SFC - 4500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D675 ARCHERFIELD
TRAINING AREA
LATERAL LIMITS: 27 43 08S 153 12 33E, 27 36 48S 153 13 53E
then along the minor arc of a circle of 15.00NM radius centred on
27 23 03S 153 07 03E (YBBN/AD) to 27 25 52S 153 23 37E
27 24 19S 153 26 07E,
then along COT OF NTH STRADBROKE IS to 27 47 26S 153 26 19E
then along the minor arc of a circle of 30.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 27 50 44S 153 18 13E
then along PACIFIC HWY 33 to 27 43 08S 153 12 33E
VERTICAL LIMITS: SFC - 3500

HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D679A AMBERLEY
MILITARY FLYING
LATERAL LIMITS: 28 52 13S 153 49 39E, 28 29 13S 153 57 39E
28 33 47S 154 09 20E, 29 13 21S 155 07 10E
30 28 10S 154 25 53E, 30 18 53S 153 29 32E
29 39 23S 153 37 34E,
then along the minor arc of a circle of 30.00NM radius centred on
29 11 51S 153 23 44E to 28 52 13S 153 49 39E
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN AMBERLEY FLT

YBBB/D679B AMBERLEY
MILITARY FLYING
LATERAL LIMITS: 30 28 10S 154 25 53E, 29 13 21S 155 07 10E
29 48 16S 155 59 22E, 30 38 25S 155 31 25E 30 28 10S 154 25 53E
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN AMBERLEY FLT

YBBB/D688 MARYBOROUGH
FLYING TRAINING
LATERAL LIMITS: 25 25 00S 152 39 00E, 25 26 30S 152 57 00E
25 40 30S 152 53 30E, 25 43 30S 152 33 30E
25 36 00S 152 35 00E, 25 25 00S 152 39 00E
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D690 AMBERLEY
MILITARY FLYING
LATERAL LIMITS: 30 43 33S 153 24 27E, 30 18 53S 153 29 32E
30 28 10S 154 25 53E, 30 38 25S 155 31 25E
31 01 44S 155 18 14E, 30 43 33S 153 24 27E
VERTICAL LIMITS: SFC - FL125
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN AMBERLEY FLT

YBBB/D691 BUNDABERG
FLYING TRAINING
LATERAL LIMITS: 24 52 17S 152 21 38E, 24 45 33S 152 24 45E
then along COAST 34 to 25 11 00S 152 37 30E
25 14 30S 152 16 30E, 25 00 00S 151 57 30E
24 52 57S 152 16 07E,
then along the major arc of a circle of 3.00NM radius centred on
24 54 14S 152 19 07E (YBUD/AD) to 24 52 17S 152 21 38E
VERTICAL LIMITS: SFC - 5000
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D698 ROCKHAMPTON
LATERAL LIMITS: 23 08 54S 150 09 54E, 22 51 30S 150 13 30E
22 52 05S 150 16 31E, 22 55 00S 150 27 00E
22 54 17S 150 33 30E, 23 15 16S 150 29 43E
then along the minor arc of a circle of 7.00NM radius centred on
23 22 09S 150 28 14E to 23 18 07S 150 22 00E
23 08 54S 150 09 54E
VERTICAL LIMITS: SFC - Base of CTA
HOURS OF ACTIVITY: NOTAM
CONTACT: DEFENCE JACC

YBBB/D706 ROCKHAMPTON
FLYING TRAINING
LATERAL LIMITS: 23 37 30S 150 09 30E, 23 29 30S 150 08 00E
23 27 20S 150 23 15E, 23 31 00S 150 23 10E
23 34 50S 150 23 17E, 23 37 30S 150 09 30E
VERTICAL LIMITS: SFC - 4500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D722 GLADSTONE
HEAT PLUME AVOIDANCE
LATERAL LIMITS: A circle of 0.25NM radius centred on
23 47 40S 151 09 08E
VERTICAL LIMITS: SFC - 2000
HOURS OF ACTIVITY: H24
CONTACT: Cement Australia

YBBB/D723 GLADSTONE
HEAT PLUME AVOIDANCE
LATERAL LIMITS: A circle of 0.20NM radius centred on
23 46 09S 151 11 57E
VERTICAL LIMITS: SFC - 3500
HOURS OF ACTIVITY: H24
CONTACT: Queensland Curtis LNG

YBBB/D731 ATHERTON
FIRING
LATERAL LIMITS: 17 17 12S 145 25 47E, 17 15 49S 145 25 49E
17 16 03S 145 27 37E, 17 16 16S 145 28 03E
17 16 28S 145 28 03E, 17 16 46S 145 27 37E
17 17 12S 145 25 47E
VERTICAL LIMITS: SFC - 3500
HOURS OF ACTIVITY: NOTAM
CONTACT: Army RCO Atherton

YBBB/D735 CAVAL RIDGE
MINE BLASTING
LATERAL LIMITS: 22 07 32S 148 02 45E, 22 04 36S 148 02 46E
22 04 38S 148 03 27E, 22 07 15S 148 03 26E
22 10 49S 148 07 41E, 22 11 18S 148 07 12E
22 07 32S 148 02 45E
VERTICAL LIMITS: SFC - 1300
HOURS OF ACTIVITY: D HJ or as amended by NOTAM
CONTACT: Moranbah AD OPR

YBBB/D744 TOWNSVILLE
MILITARY FLYING TRAINING
LATERAL LIMITS: 18 14 16S 144 56 05E, 18 18 00S 145 12 30E
18 31 34S 145 35 03E, 19 16 17S 146 20 43E
then along KEELBOTTOM CRK 1 to 19 22 30S 146 21 20E
19 24 45S 146 25 00E,
then along HERVEY RANGE DEVELOPEMENT RD to 19 29 41S 146 19 58E
then along KEELBOTTOM CK to 19 34 33S 146 20 45E

19 36 35S 146 24 00E, 19 39 00S 146 38 00E
19 52 00S 146 37 00E, 20 11 58S 144 53 36E
then along the minor arc of a circle of 120.00NM radius centred on
19 14 39S 146 45 30E (TL/DME) to 18 14 16S 144 56 05E
VERTICAL LIMITS: SFC - 7000
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN TOWNSVILLE FLT

YBBB/D745 MACKAY
FLYING TRAINING
LATERAL LIMITS: 21 08 51S 148 57 21E, 21 08 58S 148 57 30E
then along THE RAILWAY 7 to 21 09 35S 149 03 38E
21 10 00S 149 03 10E,
then along PEAK DOWNS HWY to 21 16 01S 148 58 14E
then along ELTON/WALKERSTON RD to 21 13 40S 148 49 02E
then along PIONEER RIVER 1 to 21 08 51S 148 57 21E
VERTICAL LIMITS: SFC - 4000
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D762 CAIRNS
PARACHUTING ACTIVITY
LATERAL LIMITS: 17 02 54S 145 44 42E, 17 01 02S 145 44 06E
then along the minor arc of a circle of 1.00NM radius centred on
17 00 44S 145 45 06E (THSM/TSP) to 16 59 45S 145 45 16E
16 59 52S 145 45 58E,
then along the minor arc of a circle of 1.00NM radius centred on
17 00 51S 145 45 48E (HVTG/TSP) to 17 00 55S 145 46 51E
17 02 53S 145 46 42E,
then along the minor arc of a circle of 1.00NM radius centred on
17 02 35S 145 45 42E to 17 02 54S 145 44 42E
VERTICAL LIMITS: SFC - 3500
HOURS OF ACTIVITY: HJ
CONTACT: Airservices Australia Cairns

YBBB/D764 TOWNSVILLE
FLYING TRAINING
LATERAL LIMITS: 19 08 30S 146 24 42E, 19 04 36S 146 28 12E
19 10 12S 146 37 30E, 19 17 06S 146 32 24E
19 15 48S 146 25 36E, 19 08 30S 146 24 42E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D765 TOWNSVILLE
BLASTING
LATERAL LIMITS: A circle of 1.00NM radius centred on
19 16 02S 146 41 29E
VERTICAL LIMITS: SFC - 500
HOURS OF ACTIVITY: H24
CONTACT: Bohle Quarry

YBBB/D769A CAIRNS
FLYING TRAINING
LATERAL LIMITS: 17 00 20S 145 52 33E, 16 56 59S 145 51 42E
then along the minor arc of a circle of 7.00NM radius centred on
16 53 32S 145 45 20E to 16 54 32S 145 52 34E
then along COAST 66 to 16 53 33S 145 56 53E
then along the minor arc of a circle of 12.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 17 00 20S 145 52 33E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D769B CAIRNS
FLYING TRAINING
LATERAL LIMITS: 17 03 15S 145 53 18E, 17 00 20S 145 52 33E
then along the minor arc of a circle of 12.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 16 53 33S 145 56 53E
then along THE COAST 1 to 16 53 51S 145 57 25E
16 55 55S 146 00 05E, 17 00 53S 146 00 22E
then along the minor arc of a circle of 18.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 17 06 00S 145 55 07E
then along THE COAST 5 to 17 03 15S 145 53 18E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D770A WANGETTI
FIRING
LATERAL LIMITS: 16 43 27S 145 33 41E, 16 40 46S 145 33 42E
16 40 45S 145 34 22E, 16 41 41S 145 34 56E
16 43 05S 145 35 09E, 16 43 30S 145 34 45E
16 43 27S 145 33 41E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: MON 2200-0600, WED 2200-0600
FRI-SUN 2200-0600, EXPH or as amended by NOTAM
CONTACT: Army RCO Wangetti

YBBB/D770B WANGETTI
FIRING
LATERAL LIMITS: 16 43 27S 145 33 41E, 16 40 46S 145 33 42E
16 40 45S 145 34 22E, 16 41 41S 145 34 56E
16 43 05S 145 35 09E, 16 43 30S 145 34 45E
16 43 27S 145 33 41E
VERTICAL LIMITS: 1500 - 3000
HOURS OF ACTIVITY: NOTAM
CONTACT: Army RCO Wangetti

YBBB/D771A CAIRNS
FLYING TRAINING
LATERAL LIMITS: 17 02 53S 145 46 42E, 17 00 55S 145 46 51E
then along the minor arc of a circle of 1.00NM radius centred on
17 00 51S 145 45 48E (HVTG/TSP) to 17 00 26S 145 46 45E
then along the minor arc of a circle of 7.00NM radius centred on
16 53 32S 145 45 20E to 16 56 59S 145 51 42E
17 00 20S 145 52 33E,
then along the minor arc of a circle of 12.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 17 02 53S 145 46 42E
VERTICAL LIMITS: SFC - 1500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D771B CAIRNS
FLYING TRAINING
LATERAL LIMITS: 17 08 40S 145 48 37E, 17 06 02S 145 46 38E
then along BRUCE HWY 1 to 17 03 34S 145 45 56E
then along the minor arc of a circle of 1.00NM radius centred on
17 02 35S 145 45 42E to 17 02 53S 145 46 42E
then along the minor arc of a circle of 12.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 17 00 20S 145 52 33E
17 03 15S 145 53 18E,
then along THE COAST 5 to 17 06 00S 145 55 07E

then along the minor arc of a circle of 18.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 17 08 40S 145 48 37E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D771C CAIRNS
FLYING TRAINING
LATERAL LIMITS: 17 12 04S 145 51 31E, 17 08 40S 145 48 37E
then along the minor arc of a circle of 18.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 17 00 53S 146 00 22E
17 06 47S 146 00 43E,
then along the minor arc of a circle of 22.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 17 12 04S 145 51 31E
VERTICAL LIMITS: SFC - 3500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D771D CAIRNS
FLYING TRAINING
LATERAL LIMITS: 17 16 02S 145 54 54E, 17 12 04S 145 51 31E
then along the minor arc of a circle of 22.00NM radius centred on
16 51 01S 145 44 38E (CS/DME) to 17 06 47S 146 00 43E
17 09 29S 146 00 52E, 17 16 02S 146 02 07E
17 16 02S 145 54 54E
VERTICAL LIMITS: SFC - 4500
HOURS OF ACTIVITY: HJ
CONTACT: CASA OAR

YBBB/D779 CAPE CLEVELAND
MILITARY FLYING TRAINING
LATERAL LIMITS: 19 18 12S 146 55 28E, 19 11 04S 147 00 54E
then along TL COT V1.0 to 19 22 20S 147 05 40E
then along the minor arc of a circle of 20.00NM radius centred on
19 15 09S 146 45 55E (YBTL/AD) to 19 24 38S 147 04 34E
19 22 06S 147 02 30E, 19 18 12S 146 55 28E
VERTICAL LIMITS: SFC - 2500
HOURS OF ACTIVITY: D 2000-1400 EXPH or as amended by NOTAM
CONTACT: Army RCO Cape Cleveland

YBBB/D812 YAMPI SOUND
FIRING
LATERAL LIMITS: 16 31 00S 123 30 00E, 16 31 00S 124 51 00E
17 00 00S 124 51 00E, 17 00 00S 123 50 00E
16 40 00S 123 30 00E, 16 31 00S 123 30 00E
VERTICAL LIMITS: SFC - NOTAM
HOURS OF ACTIVITY: NOTAM
CONTACT: Army DOTAM WA

YBBB/D813 CURTIN
MILITARY FLYING TRAINING
LATERAL LIMITS: 17 10 15S 123 52 15E, 16 20 06S 123 54 41E
then along the minor arc of a circle of 75.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 18 15 53S 124 57 23E
17 48 57S 124 13 06E,
then along the minor arc of a circle of 25.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 17 10 15S 123 52 15E
VERTICAL LIMITS: SFC - 5500
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN DARWIN FLT

YBBB/D814 CURTIN
MILITARY FLYING TRAINING
LATERAL LIMITS: 17 48 57S 124 13 06E, 18 15 53S 124 57 23E
then along the minor arc of a circle of 75.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 18 44 45S 123 20 36E
17 58 28S 123 40 58E,
then along the minor arc of a circle of 25.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 17 48 57S 124 13 06E
VERTICAL LIMITS: SFC - 5500
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN DARWIN FLT

YBBB/D815 CURTIN
MILITARY FLYING TRAINING
LATERAL LIMITS: 17 58 28S 123 40 58E, 18 44 45S 123 20 36E
then along the minor arc of a circle of 75.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 17 31 38S 122 32 42E
17 34 12S 123 24 58E,
then along the minor arc of a circle of 25.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 17 58 28S 123 40 58E
VERTICAL LIMITS: SFC - 5500
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN DARWIN FLT

YBBB/D816 CURTIN
MILITARY FLYING TRAINING
LATERAL LIMITS: 17 34 12S 123 24 58E, 17 31 38S 122 32 42E
then along the minor arc of a circle of 75.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 16 20 06S 123 54 41E
17 10 15S 123 52 15E,
then along the minor arc of a circle of 25.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 17 34 12S 123 24 58E
VERTICAL LIMITS: SFC - 5500
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN DARWIN FLT

YBBB/D817 CURTIN
MILITARY FLYING TRAINING
LATERAL LIMITS: 16 20 06S 123 54 41E, 15 04 52S 123 58 17E
then along the minor arc of a circle of 150.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 18 55 58S 126 04 13E
18 15 53S 124 57 23E,
then along the minor arc of a circle of 75.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 16 20 06S 123 54 41E
VERTICAL LIMITS: SFC - FL125
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN DARWIN FLT

YBBB/D818 CURTIN
MILITARY FLYING TRAINING
LATERAL LIMITS: 18 15 53S 124 57 23E, 18 55 58S 126 04 13E
then along the minor arc of a circle of 150.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 19 54 05S 122 49 43E
18 44 45S 123 20 36E,
then along the minor arc of a circle of 75.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 18 15 53S 124 57 23E
VERTICAL LIMITS: SFC - FL125
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN DARWIN FLT

YBBB/D819 CURTIN
MILITARY FLYING TRAINING
LATERAL LIMITS: 18 44 45S 123 20 36E, 19 54 05S 122 49 43E
then along the minor arc of a circle of 150.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 17 27 20S 121 14 21E
17 31 38S 122 32 42E,
then along the minor arc of a circle of 75.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 18 44 45S 123 20 36E
VERTICAL LIMITS: SFC - FL125
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN DARWIN FLT

YBBB/D820 CURTIN
MILITARY FLYING TRAINING
LATERAL LIMITS: 17 31 38S 122 32 42E, 17 27 20S 121 14 21E
then along the minor arc of a circle of 150.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 15 04 52S 123 58 17E
16 20 06S 123 54 41E,
then along the minor arc of a circle of 75.00NM radius centred on
17 35 20S 123 51 07E (CIN/VOR) to 17 31 38S 122 32 42E
VERTICAL LIMITS: SFC - FL125
HOURS OF ACTIVITY: NOTAM
CONTACT: FLTCDR 452SQN DARWIN FLT

SECTION 14 – HF FREQUENCY AREA BOUNDARIES

YBBB-YMMM/INO-1 MWARA

LATERAL LIMITS: 06 00 00S 075 00 00E, 02 00 00S 078 00 00E
02 00 00S 092 00 00E, 12 00 00S 107 00 00E
12 00 00S 110 00 00E, 12 00 00S 123 20 00E
12 23 26S 126 23 03E, 17 37 11S 118 45 34E
19 00 00S 115 00 00E, 19 30 36S 113 31 23E
21 50 00S 111 30 00E, 31 15 48S 112 56 25E
then along the minor arc of a circle of 160.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 34 11 13S 114 13 59E
36 25 00S 116 40 00E, 36 43 12S 120 00 00E
37 10 38S 125 04 54E, 42 21 00S 141 00 00E
43 43 48S 145 51 48E, 43 31 15S 149 21 30E
43 51 03S 150 39 53E, 44 33 57S 150 00 00E
45 00 00S 150 00 00E, 45 00 00S 163 00 00E
90 00 00S 135 00 00E, 06 00 00S 075 00 00E
NOTES: 3476, 5634, 8879, 13306, 17961

YBBB-YMMM/NORTH EASTERN HF

LATERAL LIMITS: 09 50 00S 140 00 00E, 15 00 00S 140 00 00E
14 56 29S 138 52 36E, 15 08 36S 138 20 42E
15 42 12S 137 12 54E, 17 20 18S 137 09 18E
19 01 14S 137 40 20E, 20 43 56S 136 14 02E
21 29 59S 136 19 44E, 21 51 32S 136 22 25E
22 17 51S 136 38 07E, 26 13 31S 138 23 24E
29 00 00S 143 30 00E, 29 00 00S 146 32 00E
32 05 40S 148 49 51E, 33 25 34S 150 31 41E
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 33 30 06S 151 54 31E
32 53 01S 152 26 31E, 30 40 20S 153 31 46E
29 49 13S 153 42 58E,
then along the minor arc of a circle of 150.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 24 59 04S 154 00 31E
23 13 18S 153 14 30E, 22 15 21S 152 02 50E
18 40 27S 151 00 35E, 16 09 59S 151 06 21E
12 00 00S 148 34 24E, 12 00 00S 144 00 00E
11 43 30S 144 04 20E, 11 30 00S 144 01 36E
then along the Barrier Reef to 09 56 34S 144 05 21E
09 24 00S 144 14 00E, 09 08 00S 143 52 30E
09 19 24S 142 48 18E,
then along QLD/PNG border to 09 15 42S 142 03 30E
09 37 00S 141 01 06E, 09 50 00S 141 00 00E
09 50 00S 140 00 00E
NOTES: 3452, 6610, 8831

YBBB-YMMM/NORTH WESTERN HF

LATERAL LIMITS: 17 37 11S 118 45 34E, 10 20 53S 129 11 21E
then along the minor arc of a circle of 160.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 09 50 00S 131 35 58E
09 50 00S 140 00 00E, 15 00 00S 140 00 00E
14 56 29S 138 52 36E, 15 08 36S 138 20 42E
15 42 12S 137 12 54E, 17 20 18S 137 09 18E
19 01 14S 137 40 20E, 20 43 56S 136 14 02E
21 29 59S 136 19 44E, 21 12 09S 131 50 24E
23 13 13S 128 27 49E, 23 23 49S 126 03 32E
21 31 19S 124 33 04E, 20 03 18S 121 40 22E
19 00 00S 120 15 00E, 17 37 11S 118 45 34E
NOTES: 3452, 6541, 8843

YBBB/SEA-3 MWARA (1)

LATERAL LIMITS: 12 00 00S 123 20 00E, 12 23 26S 126 23 03E
10 20 53S 129 11 21E,
then along the minor arc of a circle of 160.00NM radius centred on
12 25 24S 130 54 23E (DN/DME) to 09 50 00S 131 35 58E
09 50 00S 139 40 00E, 07 00 00S 135 00 00E
09 20 00S 126 50 00E, 12 00 00S 123 20 00E
NOTES: 3470, 6556, 11396, 13318, 17907

YBBB/SEA-3 MWARA (2)

LATERAL LIMITS: 12 00 00S 148 34 24E, 16 09 59S 151 06 21E
18 40 27S 151 00 35E, 22 15 21S 152 02 50E
23 13 18S 153 14 30E, 24 49 40S 153 56 22E
21 22 50S 163 00 00E, 17 40 00S 163 00 00E
14 00 00S 161 15 00E, 14 00 00S 155 00 00E
12 00 00S 155 00 00E, 12 00 00S 148 34 24E
NOTES: 3470, 6556, 11396, 13318, 17907

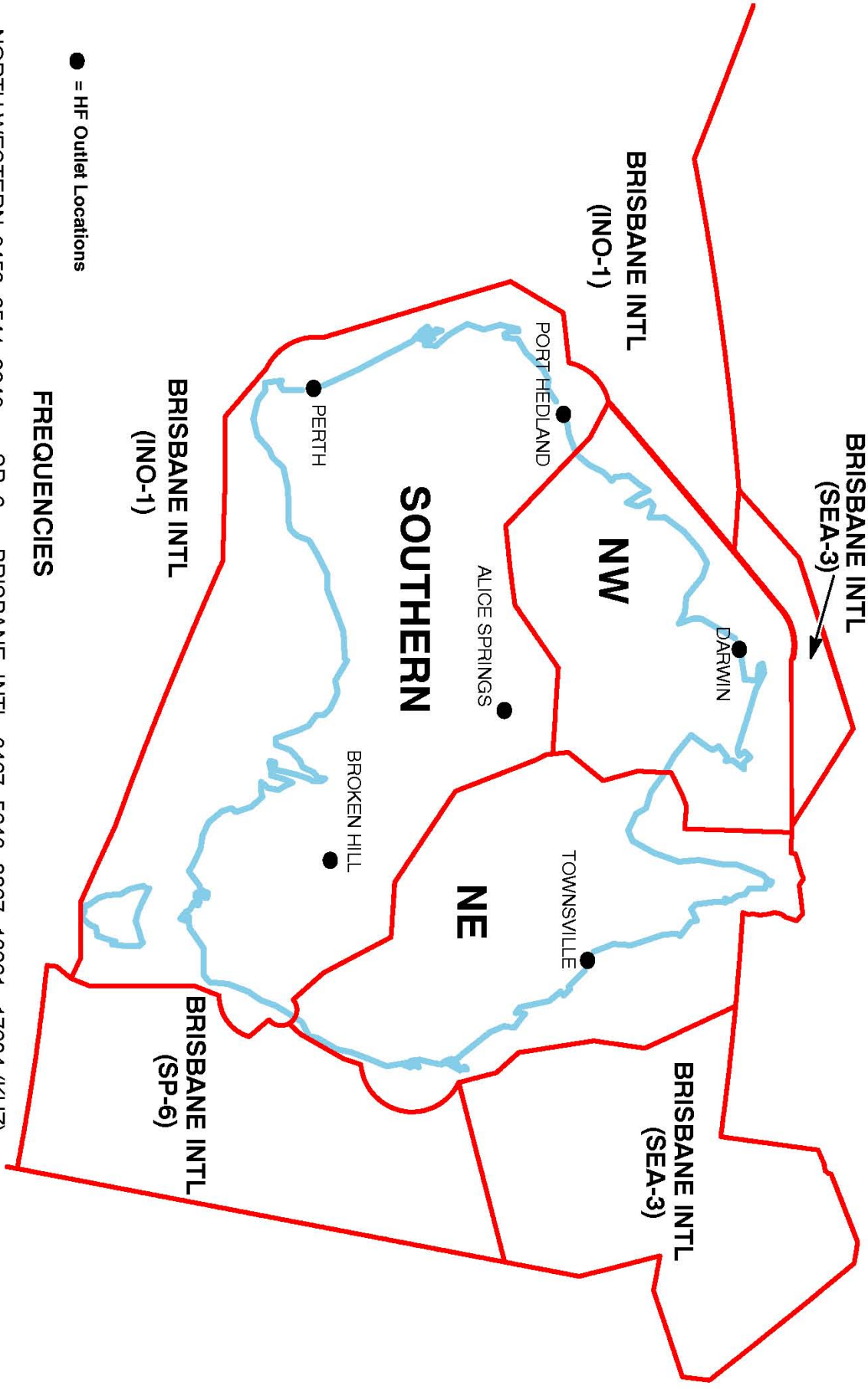
YBBB-YMMM/SOUTHERN HF

LATERAL LIMITS: 21 50 00S 111 30 00E, 19 30 36S 113 31 23E
18 47 59S 115 33 44E, 17 37 11S 118 45 34E
19 00 00S 120 15 00E, 20 03 18S 121 40 22E
21 31 19S 124 33 04E, 23 23 49S 126 03 32E
23 13 13S 128 27 49E, 21 12 09S 131 50 24E
21 29 59S 136 19 44E, 21 51 32S 136 22 25E
22 17 51S 136 38 07E, 26 13 31S 138 23 24E
29 00 00S 143 30 00E, 29 00 00S 146 32 00E
32 05 40S 148 49 51E, 33 25 34S 150 31 41E
then along the major arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 28 18S 151 49 23E
35 18 59S 152 55 50E,
then along the minor arc of a circle of 120.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 36 56 43S 150 45 03E
38 11 19S 150 19 14E, 43 00 00S 151 00 00E
43 51 03S 150 39 53E, 43 31 15S 149 21 30E
43 43 48S 145 51 48E, 42 21 00S 141 00 00E
40 44 46S 135 00 00E, 38 43 55S 129 00 00E
37 10 38S 125 04 54E, 36 43 12S 120 00 00E
36 25 00S 116 40 00E, 34 11 13S 114 13 59E
then along the minor arc of a circle of 160.00NM radius centred on
31 56 42S 115 57 34E (PH/DME) to 31 15 48S 112 56 25E
21 50 00S 111 30 00E
NOTES: 3461, 6565, 8822

YBBB-YMMM/SP-6 MWARA

LATERAL LIMITS: 44 33 57S 150 00 00E, 45 00 00S 150 00 00E
45 00 00S 163 00 00E, 21 22 50S 163 00 00E
24 49 40S 153 56 22E, 24 59 04S 154 00 31E
then along the minor arc of a circle of 150.00NM radius centred on
27 21 57S 153 08 21E (BN/DME) to 29 49 13S 153 42 58E
30 40 20S 153 31 46E, 32 53 01S 152 26 31E
33 30 06S 151 54 31E,
then along the minor arc of a circle of 45.00NM radius centred on
33 56 34S 151 10 51E (SY/DME) to 34 28 18S 151 49 23E
35 18 59S 152 55 50E,
then along the minor arc of a circle of 120.00NM radius centred on
34 57 00S 150 32 00E (NWA/TAC) to 36 56 43S 150 45 03E
38 11 19S 150 19 14E, 43 00 00S 151 00 00E
43 51 03S 150 39 53E, 44 33 57S 150 00 00E
NOTES: 3467, 5643, 8867, 13261, 17904

HF FREQUENCY AREA BOUNDARIES DIAGRAM



● = HF Outlet Locations

FREQUENCIES										
NORTH WESTERN	3452	6541	8843	SP-6	BRISBANE INTL	3467	5643	8867	13261	17904 (KHZ)
NORTH EASTERN	3452	6610	8831	SEA-3	BRISBANE INTL	3470	6556	11396	13318	17907 (KHZ)
SOUTHERN	3461	6565	8822	INO-1	BRISBANE INTL	3476	5634	8879	13306	17961 (KHZ)

SECTION 15 − ARFOR & AREA QNH ZONE BOUNDARIES

No ARFOR associated with Areas 24,87,88. These areas are AREA QNH Zones only.

YBBB-YMMM/AREA20
LATERAL LIMITS: 32 45 00S 148 23 00E, 29 00 00S 150 00 00E
28 49 49S 153 15 36E, 28 50 00S 155 00 00E
34 20 00S 152 40 00E, 33 56 46S 151 10 38E
33 55 28S 150 59 18E, 33 24 34S 149 39 07E
32 45 00S 148 23 00E

YBBB-YMMM/AREA21
LATERAL LIMITS: 35 10 00S 147 28 00E, 32 45 00S 148 23 00E
33 24 34S 149 39 07E, 33 55 28S 150 59 18E
33 56 46S 151 10 38E, 34 20 00S 152 40 00E
37 30 00S 151 00 00E, 37 30 00S 150 00 00E
35 10 00S 147 28 00E

YBBB-YMMM/AREA22
LATERAL LIMITS: 29 00 00S 142 00 00E, 29 00 00S 150 00 00E
32 45 00S 148 23 00E, 35 10 00S 147 28 00E
34 13 45S 142 05 08E, 29 00 00S 142 00 00E

YBBB/AREA24
LATERAL LIMITS: 34 20 00S 152 40 00E, 28 50 00S 155 00 00E
28 30 00S 163 00 00E, 31 20 00S 163 00 00E
34 20 00S 152 40 00E

YMMM/AREA30
LATERAL LIMITS: 33 45 00S 140 45 00E, 34 13 45S 142 05 08E
35 10 00S 147 28 00E, 37 30 00S 150 00 00E
37 50 00S 148 00 00E, 39 00 00S 146 20 00E
38 30 00S 145 00 00E, 37 50 00S 145 00 00E
38 50 00S 143 30 00E, 38 11 11S 140 45 00E
33 45 00S 140 45 00E

YBBB-YMMM/AREA32
LATERAL LIMITS: 38 11 11S 140 45 00E, 38 50 00S 143 30 00E
37 50 00S 145 00 00E, 38 30 00S 145 00 00E
39 00 00S 146 20 00E, 37 50 00S 148 00 00E
37 30 00S 150 00 00E, 37 30 00S 151 00 00E
40 00 00S 150 00 00E, 40 06 00S 147 59 00E
39 53 00S 143 53 00E, 40 00 00S 143 00 00E
40 00 00S 140 45 00E, 38 11 11S 140 45 00E

YBBB/AREA40
LATERAL LIMITS: 23 34 00S 148 11 00E, 23 09 22S 152 51 52E
28 50 00S 155 00 00E, 28 49 49S 153 15 36E
29 00 00S 150 00 00E, 23 34 00S 148 11 00E

YBBB-YMMM/AREA41
LATERAL LIMITS: 26 00 00S 138 00 00E, 22 15 00S 138 00 00E
23 26 00S 144 17 00E, 23 34 00S 148 11 00E
29 00 00S 150 00 00E, 29 00 00S 142 00 00E
28 05 58S 140 11 49E, 26 00 00S 138 00 00E

YBBB/AREA43
LATERAL LIMITS: 22 15 00S 138 00 00E, 19 00 00S 138 00 00E
18 18 00S 143 32 00E, 23 34 00S 148 11 00E
23 26 00S 144 17 00E, 22 15 00S 138 00 00E

YBBB/AREA44
LATERAL LIMITS: 18 18 00S 143 32 00E, 18 17 00S 148 00 00E
23 09 22S 152 51 52E, 23 34 00S 148 11 00E
18 18 00S 143 32 00E

YBBB/AREA45
LATERAL LIMITS: 10 00 00S 141 00 00E, 09 00 00S 142 00 00E
09 00 00S 144 00 00E, 13 00 00S 145 00 00E
15 00 00S 147 00 00E, 18 17 00S 148 00 00E
18 18 00S 143 32 00E, 19 00 00S 138 00 00E
14 00 00S 138 00 00E, 10 00 00S 141 00 00E

YMMM/AREA50
LATERAL LIMITS: 35 30 00S 134 30 00E, 32 30 00S 137 43 00E
33 45 00S 140 45 00E, 40 00 00S 140 45 00E
35 30 00S 134 30 00E

YMMM/AREA51
LATERAL LIMITS: 30 00 00S 135 00 00E, 29 00 00S 142 00 00E
34 13 45S 142 05 08E, 33 45 00S 140 45 00E
32 30 00S 137 43 00E, 30 00 00S 135 00 00E

YMMM/AREA52
LATERAL LIMITS: 27 15 00S 128 30 00E, 27 00 00S 135 00 00E
26 00 00S 138 00 00E, 28 05 58S 140 11 49E
29 00 00S 142 00 00E, 30 00 00S 135 00 00E
30 00 00S 129 00 00E, 27 15 00S 128 30 00E

YMMM/AREA53
LATERAL LIMITS: 30 00 00S 129 00 00E, 30 00 00S 135 00 00E
32 30 00S 137 43 00E, 35 30 00S 134 30 00E
32 30 00S 131 00 00E, 33 00 00S 129 00 00E
30 00 00S 129 00 00E

YMMM/AREA60
LATERAL LIMITS: 27 30 00S 112 30 00E, 27 30 00S 118 00 00E
32 15 00S 119 00 00E, 33 30 00S 113 30 00E
27 30 00S 112 30 00E

YMMM/AREA61
LATERAL LIMITS: 32 15 00S 119 00 00E, 27 30 00S 118 00 00E
27 30 00S 123 30 00E, 30 50 24S 123 37 06E
32 15 00S 119 00 00E

YMMM/AREA62
LATERAL LIMITS: 30 50 24S 123 37 06E, 30 00 00S 129 00 00E

33 00 00S 129 00 00E, 35 00 00S 123 30 00E
30 50 24S 123 37 06E

YMMM/AREA63
LATERAL LIMITS: 33 30 00S 113 30 00E, 32 15 00S 119 00 00E
30 50 24S 123 37 06E, 35 00 00S 123 30 00E
36 15 00S 116 00 00E, 33 30 00S 113 30 00E

YMMM/AREA64
LATERAL LIMITS: 25 00 00S 123 30 00E, 25 00 00S 128 15 00E
27 15 00S 128 30 00E, 30 00 00S 129 00 00E
30 50 24S 123 37 06E, 27 30 00S 123 30 00E
25 00 00S 123 30 00E

YMMM/AREA65
LATERAL LIMITS: 23 00 00S 112 00 00E, 23 00 00S 115 30 00E
27 30 00S 118 00 00E, 27 30 00S 112 30 00E
23 00 00S 112 00 00E

YBBB-YMMM/AREA66
LATERAL LIMITS: 23 00 00S 115 30 00E, 20 30 00S 123 30 00E
27 30 00S 123 30 00E, 27 30 00S 118 00 00E
23 00 00S 115 30 00E

YBBB-YMMM/AREA68
LATERAL LIMITS: 23 00 00S 112 00 00E, 21 00 00S 113 00 00E
18 00 00S 117 00 00E, 18 00 00S 120 00 00E
20 30 00S 123 30 00E, 23 00 00S 115 30 00E
23 00 00S 112 00 00E

YBBB-YMMM/AREA69
LATERAL LIMITS: 18 00 00S 117 00 00E, 14 00 00S 124 00 00E
13 45 06S 126 08 53E, 14 00 00S 127 30 00E
14 50 00S 128 25 00E, 15 28 00S 128 06 00E
16 00 00S 129 15 00E, 20 00 00S 129 00 00E
20 30 00S 123 30 00E, 18 00 00S 120 00 00E
18 00 00S 117 00 00E

YMMM/AREA70
LATERAL LIMITS: 40 00 00S 143 00 00E, 39 53 00S 143 53 00E
40 06 00S 147 59 00E, 40 00 00S 150 00 00E
43 00 00S 149 00 00E, 44 30 00S 147 30 00E
44 00 00S 145 00 00E, 40 00 00S 143 00 00E

YBBB/AREA80
LATERAL LIMITS: 14 50 00S 128 25 00E, 10 00 00S 130 00 00E
10 00 00S 141 00 00E, 14 00 00S 138 00 00E
19 00 00S 138 00 00E, 16 00 00S 129 15 00E
15 28 00S 128 06 00E, 14 50 00S 128 25 00E

YBBB-YMMM/AREA83
LATERAL LIMITS: 20 30 00S 123 30 00E, 20 00 00S 129 00 00E
22 15 00S 128 45 00E, 25 00 00S 128 15 00E
25 00 00S 123 30 00E, 20 30 00S 123 30 00E

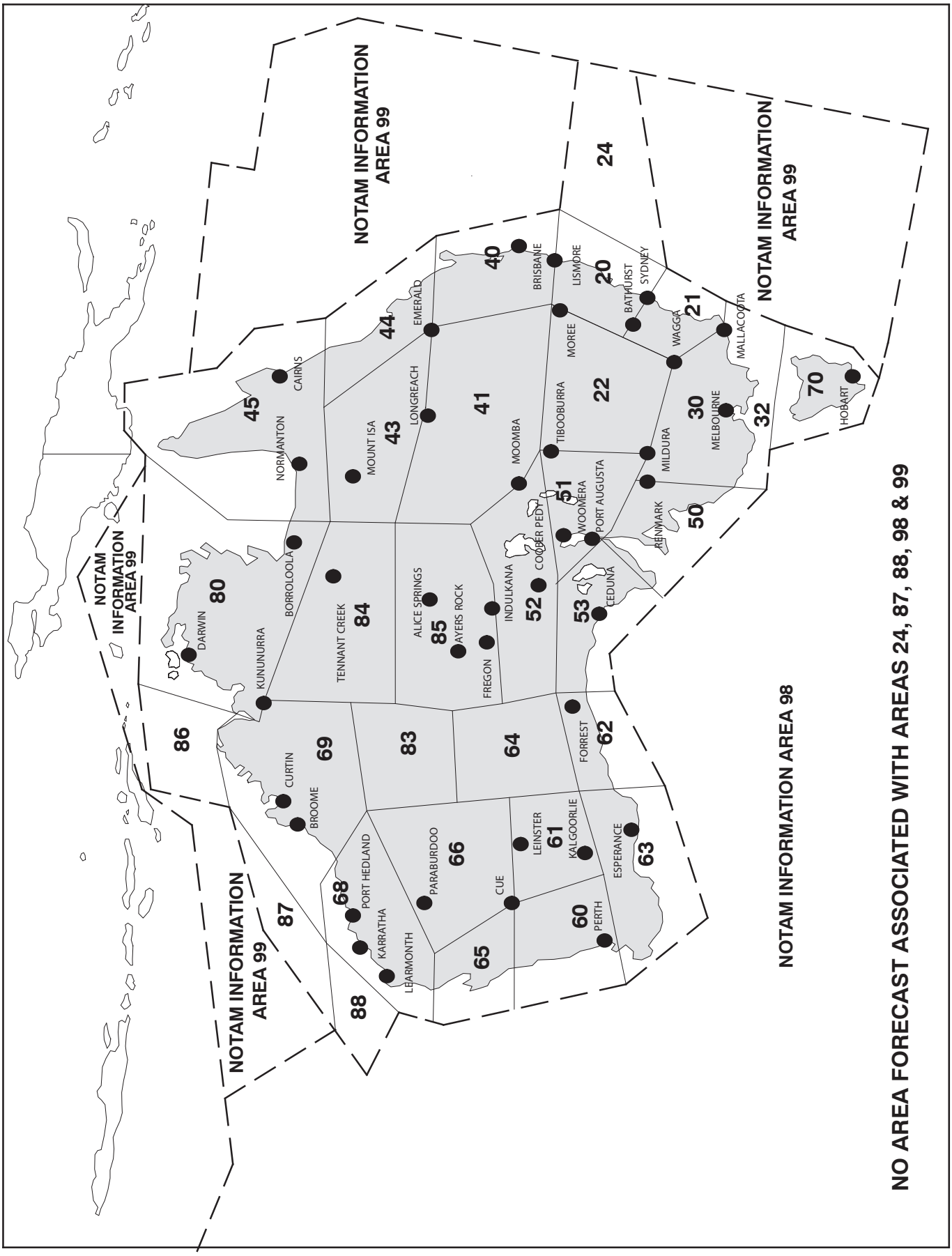
YBBB-YMMM/AREA84
LATERAL LIMITS: 20 00 00S 129 00 00E, 16 00 00S 129 15 00E
19 00 00S 138 00 00E, 22 15 00S 138 00 00E
22 15 00S 128 45 00E, 20 00 00S 129 00 00E

YBBB-YMMM/AREA85
LATERAL LIMITS: 25 00 00S 128 15 00E, 22 15 00S 128 45 00E
22 15 00S 138 00 00E, 26 00 00S 138 00 00E
27 00 00S 135 00 00E, 27 15 00S 128 30 00E
25 00 00S 128 15 00E

YBBB/AREA86
LATERAL LIMITS: 14 00 00S 124 00 00E, 10 00 00S 125 00 00E
10 00 00S 130 00 00E, 14 50 00S 128 25 00E
14 00 00S 127 30 00E, 13 45 06S 126 08 53E
14 00 00S 124 00 00E

YBBB-YMMM/AREA87
LATERAL LIMITS: 18 00 00S 112 00 00E, 15 00 00S 118 00 00E
14 00 00S 124 00 00E, 18 00 00S 117 00 00E
18 00 00S 112 00 00E

YMMM/AREA88
LATERAL LIMITS: 19 00 00S 110 00 00E, 18 00 00S 112 00 00E
18 00 00S 117 00 00E, 21 00 00S 113 00 00E
19 00 00S 110 00 00E


NOTAM INFORMATION AREA 99
NOTAM INFORMATION AREA 99
NOTAM INFORMATION AREA 99
NOTAM INFORMATION AREA 99
NOTAM INFORMATION AREA 98
NO AREA FORECAST ASSOCIATED WITH AREAS 24, 87, 88, 98 & 99
24
40
BRISBANE
LISMORE
20
BATHURST
SYDNEY
21
WAGGA
MALLACOOTA
44
EMERALD
MOREE
45
CAIRNS
LONGREACH
41
22
TIBOOBURRA
30
MELBOURNE
32
70
HOBART
NORMANTON
MOUNT ISA
43
MOOMBA
MILDURA
51
WOOMERA
PORT AUGUSTA
RENMARK
50
80
BORROLOOLA
COOBER PEDY
DARWIN
KUNUNURRA
TENNANT CREEK
84
ALICE SPRINGS
85
AYERS ROCK
INDULKANA
52
53
CEDUNA
FREGON
86
69
83
64
FORREST
62
CURTIN
BROOME
LEINSTER
61
KALGOORLIE
ESPERANCE
63
68
PORT HEDLAND
PARABURDOO
66
CUE
87
KARRATHA
60
PERTH
LEARMONTH
65
88

NOTES

SECTION 16 – CERTIFIED OR REGISTERED AERODROMES

AERODROME	STATE	IDENT	LOCATION	
ADELAIDE	SA	YPAD	34 56 42S	138 31 50E
ALBANY	WA	YABA	34 56 36S	117 48 32E
ALBURY	NSW	YMAY	36 04 04S	146 57 29E
ALICE SPRINGS	NT	YBAS	23 48 30S	133 54 03E
ALPHA	QLD	YAPH	23 38 46S	146 35 01E
AMBERLEY	QLD	YAMB	27 38 26S	152 42 43E
ARARAT	VIC	YARA	37 18 34S	142 59 19E
ARCHERFIELD	QLD	YBAF	27 34 13S	153 00 29E
ARGYLE	WA	YARG	16 38 13S	128 27 05E
ARMIDALE	NSW	YARM	30 31 41S	151 37 02E
AURUKUN	QLD	YAUR	13 21 14S	141 43 15E
AVALON	VIC	YMAV	38 02 22S	144 28 10E
AYERS ROCK	NT	YAYE	25 11 10S	130 58 32E
BAIRNSDALE	VIC	YBNS	37 53 15S	147 34 04E
BALGO HILL	WA	YBGO	20 08 54S	127 58 26E
BALLARAT	VIC	YBLT	37 30 42S	143 47 28E
BALLERA	QLD	YLLE	27 24 30S	141 48 30E
BALLINA/BYRON GATEWAY	NSW	YBNA	28 50 02S	153 33 45E
BALRANALD	NSW	YBRN	34 37 25S	143 34 42E
BANKSTOWN	NSW	YSBK	33 55 28S	150 59 18E
BARCALDINE	QLD	YBAR	23 33 55S	145 18 24E
BARIMUNYA	WA	YBRY	22 40 26S	119 09 58E
BARROW ISLAND	WA	YBWX	20 51 52S	115 24 22E
BATHURST	NSW	YBTH	33 24 34S	149 39 07E
BATHURST ISLAND	NT	YBTI	11 46 09S	130 37 11E
BEDOURIE	QLD	YBIE	24 20 46S	139 27 37E
BELLEVUE	WA	YBLU	27 36 46S	120 35 38E
BENALLA	VIC	YBLA	36 33 15S	146 00 33E
BENDIGO	VIC	YBDG	36 44 22S	144 19 47E
BIRCHIP	VIC	YBIR	35 59 59S	142 55 03E
BIRDSVILLE	QLD	YBDV	25 53 51S	139 20 51E
BLACKALL	QLD	YBCK	24 25 40S	145 25 43E
BLACKWATER	QLD	YBTR	23 36 11S	148 48 25E
BOOLGEEDA	WA	YBGD	22 32 28S	117 16 10E
BOULIA	QLD	YBOU	22 54 48S	139 53 59E
BOURKE	NSW	YBKE	30 02 21S	145 57 06E
BOWEN	QLD	YBWN	20 01 04S	148 12 55E
BREWARRINA	NSW	YBRW	29 58 26S	146 49 00E
BRISBANE	QLD	YBBN	27 23 03S	153 07 03E
BROKEN HILL	NSW	YBHI	32 00 05S	141 28 18E
BROOME	WA	YBRM	17 56 59S	122 13 40E
BUNBURY	WA	YBUN	33 22 41S	115 40 37E
BUNDABERG	QLD	YBUD	24 54 14S	152 19 07E
BURKETOWN	QLD	YBKT	17 44 55S	139 32 04E
BUSSELTON	WA	YBLN	33 41 14S	115 24 01E
CAIRNS	QLD	YBCS	16 53 09S	145 45 19E
CAMDEN	NSW	YSCN	34 02 25S	150 41 14E
CAMOOWEAL	QLD	YCMW	19 54 42S	138 07 30E
CANBERRA	ACT	YSCB	35 18 25S	149 11 42E
CARNARVON	WA	YCAR	24 52 50S	113 40 20E
CEDUNA	SA	YCDU	32 07 50S	133 42 35E
CENTURY MINE	QLD	YCNY	18 45 12S	138 42 24E
CHARLEVILLE	QLD	YBCV	26 24 48S	146 15 45E
CHARTERS TOWERS	QLD	YCHT	20 02 35S	146 16 23E
CHILLAGOE	QLD	YCGO	17 08 27S	144 31 42E
CHINCHILLA	QLD	YCCA	26 46 10S	150 37 00E
CHRISTMAS CREEK	WA	YCHK	22 21 21S	119 38 33E
CHRISTMAS ISLAND	OTH	YPXM	10 27 02S	105 41 25E
CLERMONT	QLD	YCMT	22 46 23S	147 37 14E
CLEVE	SA	YCEE	33 42 35S	136 30 17E
CLONCURRY	QLD	YCCY	20 40 07S	140 30 16E
COBAR	NSW	YCBA	31 32 18S	145 47 38E
COCOS (KEELING) ISLAND	OTH	YPCC	12 11 19S	096 49 50E
COEN	QLD	YCOE	13 45 43S	143 07 00E
COFFS HARBOUR	NSW	YCFS	30 19 14S	153 06 59E
CONDOBOLIN	NSW	YCDO	33 03 52S	147 12 33E
COOBER PEDY	SA	YCBP	29 02 24S	134 43 15E
COOKTOWN	QLD	YCKN	15 26 41S	145 11 04E
COOLAH	NSW	YCAH	31 46 24S	149 36 34E
COOMA	NSW	YCOM	36 18 02S	148 58 26E
COONABARABRAN	NSW	YCBB	31 19 57S	149 16 02E
COONAMBLE	NSW	YCNM	30 59 00S	148 22 32E
COONDEWANNA	WA	YCWA	22 58 00S	118 48 48E
COOTAMUNDRA	NSW	YCTM	34 37 28S	148 02 09E
COROWA	NSW	YCOR	35 59 25S	146 21 05E
CORRYONG	VIC	YCRG	36 10 58S	147 53 16E
COWELL	SA	YCWL	33 40 02S	136 53 30E
COWRA	NSW	YCWR	33 50 41S	148 38 56E
CROKER ISLAND	NT	YCKI	11 09 55S	132 29 02E
CUNDERDIN	WA	YCUN	31 37 20S	117 13 00E
CUNNAMULLA	QLD	YCMU	28 01 48S	145 37 20E
CURTIN	WA	YCIN	17 34 53S	123 49 42E
DARLOT	WA	YDLO	27 52 25S	121 16 18E
DARWIN	NT	YPDN	12 24 53S	130 52 36E
DEGRUSSA	WA	YDGU	25 33 27S	119 17 15E
DELAMERE RANGE FACILITY	NT	YDWF	15 44 49S	131 55 10E
DENILIQUIN	NSW	YDLQ	35 33 34S	144 56 47E
DERBY	WA	YDBY	17 22 12S	123 39 38E
DEVONPORT	TAS	YDPO	41 10 11S	146 25 49E
DIRRANBANDI	QLD	YDBI	28 35 30S	148 13 00E
DOCHRA	NSW	YDOC	32 39 02S	151 12 29E
DONALD	VIC	YDOD	36 21 37S	143 00 27E
DOOMADGEE	QLD	YDMG	17 56 25S	138 49 18E
DUBBO	NSW	YSDU	32 13 00S	148 34 29E
DUKETON GOLD	WA	YDKG	27 36 07S	122 20 02E
DYSART	QLD	YDYS	22 37 20S	148 21 50E
EAST JAURDI	WA	YEJI	30 46 10S	120 18 43E
EAST SALE	VIC	YMES	38 05 56S	147 08 58E
ECHUCA	VIC	YECH	36 09 26S	144 45 43E
EDINBURGH	SA	YPED	34 42 09S	138 37 15E
ELCHO ISLAND	NT	YELD	12 01 10S	135 34 14E
ELROSE	QLD	YESE	20 58 38S	141 00 26E
EMERALD	QLD	YEML	23 34 03S	148 10 45E
ESPERANCE	WA	YESP	33 41 04S	121 49 22E
ESSENDON	VIC	YMEN	37 43 41S	144 54 07E
FITZROY CROSSING	WA	YFTZ	18 10 55S	125 33 31E
FLINDERS ISLAND	TAS	YFLI	40 05 29S	147 59 34E
FORBES	NSW	YFBS	33 21 49S	147 56 06E
FORREST	WA	YFRT	30 50 17S	128 06 54E
FORRESTANIA	WA	YFTA	32 34 42S	119 42 24E
FORTESCUE DAVE FORREST	WA	YFDF	22 17 31S	119 26 14E
GARDEN PT	NT	YGPT	11 23 57S	130 25 31E
GAYNDAH	QLD	YGAY	25 36 55S	151 37 15E
GEORGETOWN (QLD)	QLD	YGTN	18 18 12S	143 31 54E
GERALDTON	WA	YGEL	28 47 46S	114 42 27E
GINBATA	WA	YGIA	22 34 52S	120 02 08E
GINGIN	WA	YGIG	31 27 55S	115 51 48E
GLADSTONE	QLD	YGLA	23 52 11S	151 13 22E
GLEN INNES	NSW	YGLI	29 40 30S	151 41 22E
GOLD COAST	QLD	YBCG	28 09 52S	153 30 17E
GOLDEN GROVE	WA	YGGE	28 45 54S	116 58 18E
GOODOOGA	NSW	YGDA	29 04 24S	147 22 34E
GOONDIWINDI	QLD	YGDI	28 31 17S	150 19 13E
GOULBURN	NSW	YGLB	34 48 37S	149 43 35E

AERODROME	STATE	IDENT	LOCATION	
GOVE	NT	YPGV	12 16 10S	136 49 06E
GRAFTON	NSW	YGFN	29 45 34S	153 01 48E
GRANNY SMITH	WA	YGRS	28 45 48S	122 26 16E
GRIFFITH	NSW	YGTH	34 15 03S	146 04 02E
GROOTE EYLANDT	NT	YGTE	13 58 30S	136 27 36E
GUNNEDAH	NSW	YGDH	30 57 40S	150 15 02E
HALLS CREEK	WA	YHLC	18 14 02S	127 40 11E
HAMILTON	VIC	YHML	37 38 56S	142 03 55E
HAMILTON ISLAND	QLD	YBHM	20 21 29S	148 57 06E
HAY	NSW	YHAY	34 31 53S	144 49 47E
HERVEY BAY	QLD	YHBA	25 19 08S	152 52 49E
HOBART	TAS	YMHB	42 50 10S	147 30 37E
HOLSWORTHY	NSW	YSHW	33 59 42S	150 57 09E
HOOKER CREEK	NT	YHOO	18 20 09S	130 38 36E
HOPETOUN	VIC	YHPN	35 42 55S	142 21 35E
HORN ISLAND	QLD	YHID	10 35 11S	142 17 24E
HORSHAM	VIC	YHSM	36 40 11S	142 10 22E
HUGHENDEN	QLD	YHUG	20 48 54S	144 13 31E
INNISFAIL	QLD	YIFL	17 33 31S	146 00 42E
INVERELL	NSW	YIVL	29 53 18S	151 08 39E
JABIRU	NT	YJAB	12 39 30S	132 53 35E
JACINTH AMBROSIA	SA	YJAC	30 54 04S	132 11 01E
JANDAKOT	WA	YPJT	32 05 51S	115 52 52E
JERVIS BAY	NSW	YJBY	35 08 50S	150 41 50E
JULIA CREEK	QLD	YJLC	20 40 06S	141 43 21E
JUNDEE	WA	YJUN	26 25 16S	120 34 39E
KALBARRI	WA	YKBR	27 41 31S	114 15 34E
KALGOORLIE-BOULDER	WA	YPKG	30 47 22S	121 27 42E
KALKGURUNG	NT	YKKG	17 25 55S	130 48 29E
KALUMBURU	WA	YKAL	14 17 17S	126 37 52E
KAMBALDA	WA	YKBL	31 11 26S	121 35 54E
KARARA	WA	YKAR	29 12 58S	116 41 12E
KARRATHA	WA	YPKA	20 42 44S	116 46 24E
KARUMBA	QLD	YKMB	17 27 20S	140 49 54E
KATANNING	WA	YKNG	33 42 01S	117 39 12E
KEMPSEY	NSW	YKMP	31 04 28S	152 46 11E
KERANG	VIC	YKER	35 45 05S	143 56 22E
KIMBA	SA	YIMB	33 05 59S	136 27 35E
KING ISLAND	TAS	YKII	39 52 39S	143 52 42E
KINGAROY	QLD	YKRY	26 34 51S	151 50 28E
KINGSCOTE	SA	YKSC	35 42 50S	137 31 17E
KOWANYAMA	QLD	YKOW	15 29 08S	141 45 05E
KUNUNURRA	WA	YPKU	15 46 41S	128 42 27E
LAKE CARGELLIGO	NSW	YLCG	33 16 42S	146 22 09E
LAKE EVELLA	NT	YLEV	12 29 56S	135 48 21E
LATROBE VALLEY	VIC	YLTV	38 12 26S	146 28 13E
LAUNCESTON	TAS	YMLT	41 32 43S	147 12 51E
LAVERTON	WA	YLTN	28 36 49S	122 25 26E
LAWLERS	WA	YLAW	28 05 23S	120 32 24E
LEARMONTH	WA	YPLM	22 14 08S	114 05 19E
LEIGH CREEK	SA	YLEC	30 35 54S	138 25 33E
LEINSTER	WA	YLST	27 50 36S	120 42 12E
LEONGATHA	VIC	YLEG	38 29 44S	145 51 35E
LEONORA	WA	YLEO	28 52 41S	121 18 53E
LIGHTNING RIDGE	NSW	YLRD	29 27 24S	147 59 04E
LISMORE	NSW	YLIS	28 49 36S	153 15 27E
LOCKHART RIVER	QLD	YLHR	12 47 13S	143 18 17E
LONGREACH	QLD	YLRE	23 26 03S	144 16 49E
LORD HOWE ISLAND	NSW	YLHI	31 32 18S	159 04 38E
LOXTON	SA	YLOX	34 28 33S	140 39 50E
MACKAY	QLD	YBMK	21 10 18S	149 10 47E
MAITLAND (NSW)	NSW	YMND	32 42 12S	151 29 18E
MALLACOOTA	VIC	YMCO	37 35 56S	149 43 15E
MANGALORE	VIC	YMNG	36 53 18S	145 11 03E
MANINGRIDA	NT	YMGD	12 03 22S	134 14 03E
MANJIMUP	WA	YMJM	34 15 55S	116 08 25E
MAREEBA	QLD	YMBA	17 04 09S	145 25 09E
MARLA	SA	YALA	27 20 03S	133 37 35E
MARYBOROUGH (QLD)	QLD	YMYB	25 30 48S	152 42 54E
MARYBOROUGH (VIC)	VIC	YMBU	37 01 59S	143 42 32E
MCARTHUR RIVER MINE	NT	YMHU	16 26 36S	136 04 36E
MEEKATHARRA	WA	YMEK	26 36 42S	118 32 52E
MELBOURNE	VIC	YMML	37 40 24S	144 50 36E
MERIMBULA	NSW	YMER	36 54 31S	149 54 05E
MIDDLEMOUNT	QLD	YMMU	22 48 09S	148 42 17E
MILDURA	VIC	YMIA	34 13 45S	142 05 08E
MILES	QLD	YMLS	26 48 22S	150 10 11E
MILINGIMBI	NT	YMGB	12 05 40S	134 53 37E
MOOMBA	SA	YOOM	28 05 58S	140 11 49E
MOORABBIN	VIC	YMMB	37 58 33S	145 06 08E
MORANBAH	QLD	YMRB	22 03 28S	148 04 39E
MORAWA	WA	YMRW	29 12 05S	116 01 19E
MOREE	NSW	YMOR	29 29 56S	149 50 41E
MORNINGTON ISLAND	QLD	YMTI	16 39 45S	139 10 41E
MORUYA	NSW	YMRY	35 53 52S	150 08 40E
MOUNT GAMBIER	SA	YMTG	37 44 44S	140 47 07E
MOUNT GORDON	QLD	YGON	19 46 30S	139 24 24E
MOUNT HOTHAM	VIC	YHOT	37 02 51S	147 20 03E
MOUNT ISA	QLD	YBMA	20 39 50S	139 29 19E
MOUNT KEITH	WA	YMNE	27 17 11S	120 33 17E
MOUNT MAGNET	WA	YMOG	28 06 58S	117 50 30E
MUDGEE	NSW	YMDG	32 33 45S	149 36 40E
MURRAY FIELD	WA	YMUL	32 30 37S	115 50 00E
MURRIN MURRIN	WA	YMMI	28 42 19S	121 53 26E
NACKEROO	NT	YNKR	15 34 36S	130 28 30E
NARACOORTE	SA	YNRC	36 59 07S	140 43 30E
NARRABRI	NSW	YNBR	30 19 09S	149 49 38E
NARRANDERA	NSW	YNAR	34 42 08S	146 30 44E
NARROMINE	NSW	YNRM	32 12 52S	148 13 29E
NEWMAN	WA	YNWN	23 25 04S	119 48 10E
NGUKURR	NT	YNGU	14 43 22S	134 44 51E
NHILL	VIC	YNHL	36 18 35S	141 38 27E
NIFTY	WA	YCNF	21 40 25S	121 35 41E
NORFOLK ISLAND		YSNF	29 02 33S	167 56 17E
NORMANTON	QLD	YNTN	17 41 06S	141 04 13E
NORSEMAN	WA	YNSM	32 12 34S	121 45 16E
NORTHERN PENINSULA	QLD	YNPE	10 57 03S	142 27 34E
NOWRA	NSW	YSNW	34 56 56S	150 32 13E
NUMBULWAR	NT	YNUM	14 16 18S	135 43 00E
NYNGAN	NSW	YNYN	31 33 04S	147 12 10E
OAKEY	QLD	YBOK	27 24 41S	151 44 07E
OENPELLI	NT	YOEN	12 19 31S	133 00 20E
OLYMPIC DAM	SA	YOLD	30 29 06S	136 52 36E
ONSLOW	WA	YOLW	21 40 06S	115 06 47E
OODNADATTA	SA	YOOD	27 33 36S	135 26 42E
ORANGE	NSW	YORG	33 22 54S	149 07 59E
ORBOST	VIC	YORB	37 47 25S	148 36 35E
OSBORNE MINE	QLD	YOSB	22 04 54S	140 33 24E
PALM ISLAND	QLD	YPAM	18 45 19S	146 34 53E
PARABURDOO	WA	YPBO	23 10 16S	117 44 43E
PARAFIELD	SA	YPPF	34 47 36S	138 37 59E
PARKES	NSW	YPKS	33 07 53S	148 14 21E
PEARCE	WA	YPEA	31 40 04S	116 00 54E
PERTH	WA	YPPH	31 56 25S	115 58 01E
PLUTONIC	WA	YPLU	25 18 48S	119 25 24E
POINT COOK	VIC	YMPC	37 55 56S	144 45 12E
POONCARIE	NSW	YPCE	33 22 24S	142 35 00E
PORMPURAAW	QLD	YPMP	14 53 51S	141 36 39E
PORT AUGUSTA	SA	YPAG	32 30 25S	137 43 00E
PORT HEDLAND	WA	YPPD	20 22 40S	118 37 35E
PORT KEATS	NT	YPKT	14 15 00S	129 31 45E
PORT LINCOLN	SA	YPLC	34 36 19S	135 52 49E
PORT MACQUARIE	NSW	YPMQ	31 26 09S	152 51 48E
PORT PIRIE	SA	YPIR	33 14 20S	137 59 42E
PORTLAND	VIC	YPOD	38 19 05S	141 28 16E
PROMINENT HILL	SA	YPMH	29 43 04S	135 31 28E

AERODROME	STATE	IDENT	LOCATION	
PROSERPINE / WHITSUNDAY COAST				
	QLD	YBPN	20 29 42S	148 33 08E
PUCKAPUNYAL	VIC	YPKL	36 59 58S	145 03 46E
QUILPIE	QLD	YQLP	26 36 31S	144 15 26E
QUIRINDI	NSW	YQDI	31 29 55S	150 31 05E
RAMINGINING	NT	YRNG	12 21 23S	134 53 51E
RAVENSTHORPE	WA	YNRV	33 47 50S	120 12 29E
RENMARK	SA	YREN	34 11 47S	140 40 26E
RICHMOND (NSW)	NSW	YSRI	33 36 02S	150 46 51E
RICHMOND (QLD)	QLD	YRMD	20 42 07S	143 06 53E
ROBINVALE	VIC	YROI	34 39 02S	142 46 58E
ROCKHAMPTON	QLD	YBRK	23 22 55S	150 28 31E
ROMA	QLD	YROM	26 32 42S	148 46 29E
ROTTNEST ISLAND				
	WA	YRTI	32 00 24S	115 32 23E
SAIBAI ISLAND	QLD	YSII	09 22 42S	142 37 30E
SCHERGER (RAAF)				
	QLD	YBSG	12 37 26S	142 05 14E
SCONE	NSW	YSCO	32 02 14S	150 49 56E
SEA LAKE	VIC	YSLK	35 31 54S	142 53 26E
SHARK BAY	WA	YSHK	25 53 38S	113 34 38E
SHAY GAP	WA	YSHG	20 25 28S	120 08 24E
SHEPPARTON	VIC	YSHT	36 25 44S	145 23 33E
SMITHTON	TAS	YSMI	40 50 06S	145 05 01E
SNAKE BAY	NT	YSNB	11 25 22S	130 39 13E
SOLOMON	WA	YSOL	22 15 18S	117 51 00E
SOUTH GOULBURN ISLAND				
	NT	YGBI	11 39 02S	133 22 55E
SOUTHERN CROSS	WA	YSCR	31 14 25S	119 21 35E
SOUTHPORT	QLD	YSPT	27 55 18S	153 22 17E
ST ARNAUD	VIC	YSTA	36 38 12S	143 11 09E
ST GEORGE	QLD	YSGE	28 02 59S	148 35 43E
ST HELENS	TAS	YSTH	41 20 12S	148 16 55E
STANTHORPE	QLD	YSPE	28 37 13S	151 59 26E
STAWELL	VIC	YSWL	37 04 18S	142 44 25E
STRAHAN	TAS	YSRN	42 09 20S	145 17 29E
STREAKY BAY	SA	YKBY	32 50 09S	134 17 34E
SUNRISE DAM	WA	YSRD	29 05 54S	122 27 19E
SUNSHINE COAST	QLD	YBSU	26 36 12S	153 05 28E
SWAN HILL	VIC	YSWH	35 22 33S	143 31 58E
SYDNEY	NSW	YSSY	33 56 46S	151 10 38E
TAMWORTH	NSW	YSTW	31 05 02S	150 50 48E
TAREE	NSW	YTRE	31 53 19S	152 30 50E
TAROOM	QLD	YTAM	25 48 07S	149 53 58E
TELFER	WA	YTEF	21 42 54S	122 13 42E
TEMORA	NSW	YTEM	34 25 17S	147 30 42E
TENNANT CREEK	NT	YTNK	19 38 04S	134 11 00E
THANGOOL	QLD	YTNG	24 29 38S	150 34 34E
THARGOMINDAH	QLD	YTGM	27 59 11S	143 48 39E
THE GRANITES	NT	YTGT	20 32 54S	130 21 00E
THE MONUMENT	QLD	YTMO	21 48 40S	139 55 25E
TIBOOBURRA	NSW	YTIB	29 27 04S	142 03 28E
TINDAL	NT	YPTN	14 31 16S	132 22 40E
TOCUMWAL	NSW	YTOC	35 48 39S	145 36 15E
TOOWOOMBA	QLD	YTWB	27 32 29S	151 54 45E
TOWNSVILLE	QLD	YBTL	19 15 09S	146 45 55E
TREPELL	QLD	YTEE	21 50 06S	140 53 17E
TROPICANA	WA	YTRA	29 11 12S	124 33 01E
TROUGHTON ISLAND				
	WA	YTTI	13 45 06S	126 08 54E
TRUSCOTT-MUNGALALU				
	WA	YTST	14 05 23S	126 22 51E
TUMBY BAY	SA	YTBB	34 21 40S	136 05 42E
TUMUT	NSW	YTMU	35 15 46S	148 14 27E
WAGGA WAGGA	NSW	YSWG	35 09 55S	147 27 59E
WAIKERIE	SA	YWKI	34 11 03S	140 01 50E
WALGETT	NSW	YWLG	30 01 58S	148 07 33E
WANGARATTA	VIC	YWGT	36 24 57S	146 18 25E
WARBURTON	WA	YWBR	26 07 42S	126 35 00E
WARRACKNABEAL	VIC	YWKB	36 19 16S	142 25 10E
WARREN	NSW	YWRN	31 44 00S	147 48 09E
WARRNAMBOOL	VIC	YWBL	38 17 43S	142 26 48E
WARWICK	QLD	YWCK	28 08 58S	151 56 35E
WEIPA	QLD	YBWP	12 40 43S	141 55 31E
WENTWORTH	NSW	YWTO	34 05 16S	141 53 31E
WEST ANGELAS	WA	YANG	23 08 06S	118 42 24E
WEST SALE	VIC	YWSL	38 05 30S	146 57 55E
WEST WYALONG	NSW	YWWL	33 56 14S	147 11 29E
WHYALLA	SA	YWHA	33 03 32S	137 30 52E
WILLIAMSON	QLD	YWIS	22 28 24S	150 10 42E
WILLIAMTOWN	NSW	YWLM	32 47 42S	151 50 04E
WILUNA	WA	YWLU	26 37 45S	120 13 14E
WINDARLING	WA	YWDG	30 01 54S	119 23 24E
WINDORAH	QLD	YWDH	25 24 47S	142 40 02E
WINTON	QLD	YWTN	22 21 49S	143 05 08E
WOLLONGONG	NSW	YWOL	34 33 40S	150 47 19E
WOODIE WOODIE	WA	YWWI	21 38 43S	121 11 30E
WOOMERA	SA	YPWR	31 08 39S	136 49 01E
WUDINNA	SA	YWUD	33 02 36S	135 26 50E
WYCHEPROOF	VIC	YWYF	36 03 32S	143 14 36E
WYNDHAM	WA	YWYM	15 30 41S	128 09 11E
WYNYARD	TAS	YWYY	40 59 56S	145 43 52E
YARRAM	VIC	YYRM	38 34 03S	146 45 16E
YARRAWONGA	VIC	YYWG	36 01 44S	146 01 43E
YORKE ISLAND	QLD	YYKI	09 45 12S	143 24 18E
YOUNG	NSW	YYNG	34 15 20S	148 14 53E

NOTES

SECTION 17 – CERTIFIED OR REGISTERED AERODROMES THRESHOLD DATA

AD	BRG(T)	RWY	LAT	LONG
ADELAIDE	50.16	05	S34572765	E138310644
ADELAIDE	230.15	23	S34562632	E138323570
ADELAIDE	123.49	12	S34562827	E138311886
ADELAIDE	303.51	30	S34565787	E138321315
ALBANY	44.86	05	S34564966	E117482092
ALBANY	224.86	23	S34562444	E117485140
ALBANY	134.73	14	S34562496	E117481315
ALBANY	314.73	32	S34570607	E117490355
ALBURY	81.19	07	S36040507	E146565601
ALBURY	261.18	25	S36035562	E146581107
ALICE SPRINGS	120.25	12	S23480371	E133533610
ALICE SPRINGS	300.25	30	S23484363	E133545050
ALICE SPRINGS	178.24	17	S23475020	E133531154
ALICE SPRINGS	358.24	35	S23482694	E133531277
ALPHA	187.97	18	S23384750	E146350095
ALPHA	7.97	36	S23393443	E146345382
AMBERLEY	54.32	04	S27384060	E152422833
AMBERLEY	234.32	22	S27381172	E152431349
AMBERLEY	158.74	15	S27371817	E152421896
AMBERLEY	338.74	33	S27385044	E152425927
ARARAT	54.91	04	S37183951	E142591288
ARARAT	234.91	22	S37182708	E142593503
ARARAT	126.02	12	S37182938	E142590730
ARARAT	306.01	30	S37185303	E142594803
ARCHERFIELD	51.56	04L	S27341553	E153000670
ARCHERFIELD	231.59	22R	S27335625	E153003399
ARCHERFIELD	51.53	04R	S27341808	E153001572
ARCHERFIELD	231.56	22L	S27335586	E153004714
ARCHERFIELD	107.75	10L	S27341342	E152594998
ARCHERFIELD	287.73	28R	S27342748	E153003931
ARCHERFIELD	107.46	10R	S27341991	E152595302
ARCHERFIELD	287.75	28L	S27343081	E153003123
ARGYLE	21.48	01	S16384111	E128264777
ARGYLE	201.47	19	S16373156	E128271615
ARMIDALE	58.45	05	S30315865	E151363285
ARMIDALE	238.45	23	S30312915	E151372835
ARMIDALE	96.97	09	S30312668	E151363738
ARMIDALE	276.97	27	S30313107	E151371887
AURUKUN	160.59	16	S13205419	E141430468
AURUKUN	340.59	34	S13213292	E141431862
AVALON	187.59	18	S38013806	E144280993
AVALON	7.59	36	S38031604	E144275342
AYERS ROCK	129.52	13	S25104114	E130580015
AYERS ROCK	309.51	31	S25113483	E130591170
BAIRNSDALE	55.09	04	S37532530	E147335151
BAIRNSDALE	235.09	22	S37530487	E147342845
BAIRNSDALE	144.93	13	S37530029	E147335674
BAIRNSDALE	324.93	31	S37532287	E147341674
BALGO HILL	40.07	04	S20085122	E127582633
BALGO HILL	220.07	22	S20083492	E127584085
BALGO HILL	146.73	15	S20084966	E127582132
BALGO HILL	326.73	33	S20093344	E127585174
BALLARAT	61.79	05	S37304533	E143471128
BALLARAT	241.79	23	S37302593	E143475668
BALLARAT	134.61	13	S37301958	E143471464
BALLARAT	314.61	31	S37303253	E143473112
BALLARAT	188.77	18	S37302488	E143474176
BALLARAT	8.77	36	S37310480	E143473403
BALLERA	39.65	03	S27244298	E141481278
BALLERA	219.64	21	S27235790	E141485463
BALLINA/BYRON GATEWAY	73.49	06	S28500870	E153330653
BALLINA/BYRON GATEWAY	253.48	24	S28495117	E153341366
BALRANALD	88.38	08	S34371877	E143343293
BALRANALD	268.37	26	S34371817	E143345849
BALRANALD	185.55	18	S34371023	E143343991
BALRANALD	5.55	36	S34374853	E143343541
BANKSTOWN	123.9	11C	S33551243	E150590440
BANKSTOWN	303.9	29C	S33553523	E150594510
BANKSTOWN	123.9	11L	S33551244	E150591193
BANKSTOWN	303.89	29R	S33553235	E150594748
BANKSTOWN	123.9	11R	S33551787	E150590673
BANKSTOWN	303.89	29L	S33553660	E150594017
BARCALDINE	16.36	01	S23342204	E145180013
BARCALDINE	196.35	19	S23332896	E145181702
BARCALDINE	139.23	14	S23333998	E145181576
BARCALDINE	319.23	32	S23340743	E145184144
BARIMUNYA	105.09	10	S22402048	E119092723
BARIMUNYA	285.08	28	S22403638	E119103081
BARROW ISLAND	26.54	03	S20520837	E115240943
BARROW ISLAND	206.54	21	S20511309	E115243880
BATHURST	90.65	08	S33242411	E149385738
BATHURST	270.64	26	S33242459	E149394825
BATHURST	176.19	17	S33240280	E149390254
BATHURST	356.19	35	S33245799	E149390692
BATHURST ISLAND	149.93	15	S11453238	E130364454
BATHURST ISLAND	329.93	33	S11461378	E130370887
BEDOURIE	145.98	14	S24201752	E139271578
BEDOURIE	325.98	32	S24210623	E139275167
BELLEVUE	7.09	01	S27371799	E120353542
BELLEVUE	187.09	19	S27361353	E120354442
BENALLA	94.43	08	S36330704	E146002428
BENALLA	274.43	26	S36330965	E146010604
BENALLA	175.11	17	S36325905	E146001664
BENALLA	355.11	35	S36332226	E146001910
BENDIGO	60.76	05	S36442898	E144192608
BENDIGO	240.75	23	S36441680	E144195311
BENDIGO	181.92	17	S36435862	E144194525
BENDIGO	1.92	35	S36443544	E144194372
BIRCHIP	51.7	04	S36000153	E142545000
BIRCHIP	231.65	22	S35594180	E142552069
BIRCHIP	97.64	09	S36000203	E142545457
BIRCHIP	277.64	27	S36000429	E142551531
BIRDSVILLE	39.89	03	S25541393	E139203602
BIRDSVILLE	219.88	21	S25534393	E139210374
BIRDSVILLE	148.79	14	S25531519	E139203176
BIRDSVILLE	328.78	32	S25535500	E139205843
BLACKALL	67.22	06	S24260613	E145251563
BLACKALL	247.21	24	S24254486	E145261094
BLACKALL	127.25	12	S24251437	E145251173
BLACKALL	307.25	30	S24254597	E145255712
BLACKWATER	186.06	18	S23355833	E148482263
BLACKWATER	6.52	36	S23363589	E148481797
BOOLGEEDA	84.66	08	S22322847	E117153178
BOOLGEEDA	264.65	26	S22322181	E117164847
BOULIA	149.15	14	S22542050	E139534660
BOULIA	329.2	32	S22551100	E139541910
BOURKE	62.61	05	S30024171	E145561274
BOURKE	242.61	23	S30021441	E145571330
BOURKE	187.64	18	S30015662	E145572550
BOURKE	7.64	36	S30022881	E145572054
BOWEN	47.84	04	S20012395	E148123266
BOWEN	228.14	22	S20005704	E148130444
BOWEN	125.57	12	S20005289	E148123787
BOWEN	304.99	30	S20010971	E148130329
BREWARRINA	35.62	03	S29585119	E146483657
BREWARRINA	215.61	21	S29581463	E146490665
BRISBANE	27.05	01	S27241009	E153070558
BRISBANE	207.04	19	S27222882	E153080350

AD	BRG(T)	RWY	LAT	LONG
BRISBANE	145.53	14	S27212318	E153072828
BRISBANE	325.52	32	S27220712	E153080207
BROKEN HILL	55.89	05	S32003249	E141273929
BROKEN HILL	235.88	23	S31594671	E141285859
BROKEN HILL	142.99	14	S32001379	E141275956
BROKEN HILL	322.99	32	S32003971	E141282249
BROOME	105.54	10	S17564513	E122125929
BROOME	285.53	28	S17570472	E122141292
BUNBURY	63.3	07	S33225003	E115402070
BUNBURY	243.29	25	S33223521	E115405581
BUNDABERG	68.83	07	S24542288	E152184966
BUNDABERG	248.83	25	S24540964	E152192715
BUNDABERG	147.73	14	S24535027	E152190211
BUNDABERG	327.73	32	S24544525	E152194017
BURKETOWN	41.89	03	S17451852	E139315154
BURKETOWN	221.89	21	S17444534	E139322260
BUSSELTON	25.58	03	S33414159	E115235193
BUSSELTON	205.57	21	S33404889	E115242210
CAIRNS	125.63	12	S16525042	E145450764
CAIRNS	305.62	30	S16530796	E145453307
CAIRNS	156.48	15	S16515699	E145443682
CAIRNS	336.48	33	S16533114	E145451938
CAMDEN	64.84	06	S34022623	E150405023
CAMDEN	244.78	24	S34021191	E150412675
CAMDEN	110.96	10	S34022941	E150405425
CAMDEN	290.95	28	S34023780	E150412057
CAMOOWEAL	135.31	13	S19543770	E138071440
CAMOOWEAL	315.42	31	S19550630	E138074420
CANBERRA	129.88	12	S35180246	E149110655
CANBERRA	309.87	30	S35183600	E149115553
CANBERRA	180	17	S35172624	E149114001
CANBERRA	0	35	S35185328	E149114001
CARNARVON	43.33	04	S24531207	E113395018
CARNARVON	223.32	22	S24523237	E113403123
CARNARVON	179.27	18	S24524344	E113395876
CARNARVON	359.27	36	S24531997	E113395927
CEDUNA	110.82	11	S32074022	E133415286
CEDUNA	290.81	29	S32080030	E133425494
CEDUNA	173.28	17	S32073587	E133424546
CEDUNA	353.28	35	S32080853	E133424998
CENTURY MINE	141.67	14	S18451353	E138421832
CENTURY MINE	321.86	32	S18454945	E138424793
CHARLEVILLE	137.01	12	S26242855	E146152735
CHARLEVILLE	317.01	30	S26250477	E146160485
CHARLEVILLE	181.96	18	S26244586	E146154364
CHARLEVILLE	1.96	36	S26252052	E146154232
CHILLAGOE	177.34	17	S17080045	E144314221
CHILLAGOE	357.34	35	S17083232	E144314375
CHINCHILLA	38.4	03	S26461952	E150370657
CHINCHILLA	218.4	21	S26460447	E150371986
CHINCHILLA	142.28	14	S26460524	E150365144
CHINCHILLA	322.23	32	S26463270	E150371514
CHRISTMAS CREEK	87.84	09	S22211699	E119374956
CHRISTMAS CREEK	267.83	27	S22211392	E119391683
CHRISTMAS ISLAND	175.31	18	S10262681	E105412480
CHRISTMAS ISLAND	355.31	36	S10273502	E105413045
CLERMONT	27.44	01	S22462884	E147371557
CLERMONT	207.43	19	S22455806	E147373280
CLERMONT	158.64	15	S22460070	E147365940
CLERMONT	338.64	33	S22464041	E147371615
CLEVE	90.67	08	S33423689	E136295715
CLEVE	270.66	26	S33423740	E136304953
CLEVE	181.6	18	S33422768	E136301532
CLEVE	1.6	36	S33425669	E136301435
CLONCURRY	67.99	06	S20401311	E140295476
CLONCURRY	247.99	24	S20395900	E140303185
CLONCURRY	127.84	12	S20393675	E140295830
CLONCURRY	307.83	30	S20401664	E140305287
COBAR	55.03	05	S31322954	E145471403
COBAR	235.02	23	S31320130	E145480116
COBAR	175.2	17	S31320699	E145474041
COBAR	355.2	35	S31324653	E145474429
COCOS (KEELING) ISLAND	149.22	15	S12105470	E096494063
COCOS (KEELING) ISLAND	329.22	33	S12120295	E096502196
COEN	113.07	11	S13453826	E143064315
COEN	293.07	29	S13455362	E143072005
COFFS HARBOUR	40.72	03	S30201815	E153062357
COFFS HARBOUR	220.71	21	S30192695	E153071436
COFFS HARBOUR	107.09	10	S30185922	E153065074
COFFS HARBOUR	287.08	28	S30190735	E153072123
COOBER PEDY	49.04	04	S29023962	E134425171
COOBER PEDY	229.03	22	S29020920	E134433158
COOBER PEDY	150.15	14	S29021123	E134431556
COOBER PEDY	330.15	32	S29023463	E134433084
COOKTOWN	111.44	11	S15262665	E145103201
COOKTOWN	291.43	29	S15264600	E145112282
COOLAH	90.51	08	S31462566	E149363424
COOLAH	270.51	26	S31462597	E149371491
COOMA	149.98	14	S36181723	E148581028
COOMA	329.98	32	S36183470	E148582275
COOMA	192.7	18	S36172562	E148583070
COOMA	12.71	36	S36183273	E148581201
COONABARABRAN	29.47	01	S31200587	E149161317
COONABARABRAN	209.47	19	S31194755	E149162523
COONABARABRAN	122.89	11	S31193760	E149152160
COONABARABRAN	302.89	29	S31200441	E149160990
COONAMBLE	53.78	05	S30591068	E148220969
COONAMBLE	233.77	23	S30584146	E148225599
COONAMBLE	128.41	12	S30583653	E148222633
COONAMBLE	308.4	30	S30584823	E148224346
COONDEWANNA	88.12	08	S22580311	E118481936
COONDEWANNA	263.28	26	S22575627	E118492211
COOTAMUNDRA	110.48	10	S34372715	E148014345
COOTAMUNDRA	290.47	28	S34373686	E148021491
COOTAMUNDRA	173.33	16	S34370182	E148020828
COOTAMUNDRA	353.33	34	S34373817	E148021342
COROWA	54.15	05	S36000296	E146204079
COROWA	234.14	23	S35592825	E146213990
COROWA	144.14	14	S35585915	E146204713
COROWA	323.89	32	S35593800	E146212200
CORRYONG	72.2	06	S36110726	E147524622
CORRYONG	252.19	24	S36105336	E147533962
COWELL	45.19	04	S33401757	E136531782
COWELL	225.18	22	S33395042	E136535050
COWELL	127.65	12	S33395033	E136531761
COWELL	307.65	30	S33401129	E136535010
COWELL	176.7	17	S33394115	E136531816
COWELL	356.7	35	S33402878	E136532144
COWRA	41.13	03	S33504709	E148383615
COWRA	221.12	21	S33501861	E148390595
COWRA	161.46	15	S33502116	E148384160
COWRA	341.46	33	S33511132	E148390176
CROKER ISLAND	135.58	13	S11092800	E132284014
CROKER ISLAND	315.58	31	S11100136	E132291325
CUNNAMULLA	68.07	06	S28015978	E145365192
CUNNAMULLA	248.07	24	S28014869	E145372296
CUNNAMULLA	130.16	12	S28013618	E145371094
CUNNAMULLA	310.16	30	S28021249	E145375943
CURTIN	110.37	11	S17343228	E123485443
CURTIN	290.37	29	S17350682	E123503142
DARLOT	131.76	14	S27520532	E121155007
DARLOT	311.75	32	S27524793	E121164378
DARWIN	108.91	11	S12243385	E130515494
DARWIN	288.91	29	S12250922	E130533999
DARWIN	179.85	18	S12243183	E130521435
DARWIN	359.85	36	S12252145	E130521448
DEGRUSSA	89.01	09	S25333075	E119164066
DEGRUSSA	269	27	S25332967	E119174944
DENILIQUIN	66.18	06	S35333979	E144562506
DENILIQUIN	246.17	24	S35332381	E144570935
DENILIQUIN	141.04	12	S35330927	E144563416
DENILIQUIN	321.07	30	S35334680	E144571126
DERBY	56.16	05	S17222848	E123392985
DERBY	236.16	23	S17220755	E123400236

AD	BRG(T)	RWY	LAT	LONG
DERBY	110.42	11	S17220784	E123391241
DERBY	290.41	29	S17222754	E123400753
DEVONPORT	76.12	06	S41101104	E146250892
DEVONPORT	256.1	24	S41095674	E146262545
DEVONPORT	156.11	14	S41095649	E146254286
DEVONPORT	336.1	32	S41102257	E146255815
DONALD	97.58	09	S36213481	E143001663
DONALD	277.58	27	S36213980	E143010299
DONALD	187.6	18	S36213893	E143002673
DONALD	7.6	36	S36220505	E143002242
DOOMADGEE	120.06	12	S17555938	E138482754
DOOMADGEE	300.06	30	S17562645	E138491640
DUBBO	53.74	05	S32132216	E148340781
DUBBO	233.74	23	S32124935	E148350043
DUBBO	119.05	11	S32125174	E148342441
DUBBO	299.05	29	S32130856	E148350003
DUKETON GOLD	180.43	18	S27353335	E122200876
DUKETON GOLD	.43	36	S27363834	E122200821
DYSART	146.08	14	S22370014	E148213249
DYSART	326.08	32	S22374204	E148220284
EAST JAURDI	79.6	08	S30461744	E120180854
EAST JAURDI	259.59	26	S30460630	E120191879
EAST SALE	53.88	04	S38062178	E147081882
EAST SALE	233.86	22	S38053517	E147093962
EAST SALE	98.91	09	S38054445	E147074188
EAST SALE	278.89	27	S38055564	E147091233
ECHUCA	58.51	05	S36092857	E144453160
ECHUCA	238.5	23	S36091992	E144454901
ECHUCA	178.52	17	S36092813	E144454310
ECHUCA	358.52	35	S36100383	E144454424
EDINBURGH	48.01	04	S34424015	E138365832
EDINBURGH	228.01	22	S34415755	E138375563
EDINBURGH	188.52	18	S34414032	E138370330
EDINBURGH	8.52	36	S34430248	E138364840
ELCHO ISLAND	99.88	10	S12010517	E135340581
ELCHO ISLAND	279.88	28	S12011321	E135345271
ELROSE	143.1	14	S20581634	E141000890
ELROSE	323.09	32	S20585420	E141003917
EMERALD	70.49	06	S23341995	E148101601
EMERALD	250.48	24	S23335931	E148111918
EMERALD	151.29	15	S23335346	E148102931
EMERALD	331.29	33	S23341993	E148104504
ESPERANCE	28.41	03	S33412113	E121491575
ESPERANCE	208.41	21	S33404721	E121493770
ESPERANCE	111.04	11	S33404535	E121484602
ESPERANCE	291.03	29	S33410631	E121495120
ESSENDON	88.05	08	S37435301	E144533437
ESSENDON	268.03	26	S37435088	E144545278
ESSENDON	177.78	17	S37431353	E144540273
ESSENDON	357.78	35	S37440226	E144540511
FITZROY CROSSING	17.43	01	S18112106	E125332864
FITZROY CROSSING	197.43	19	S18104053	E125334195
FLINDERS ISLAND	61.29	05	S40054012	E147593539
FLINDERS ISLAND	241.23	23	S40052421	E148001313
FLINDERS ISLAND	143.66	14	S40045843	E147585809
FLINDERS ISLAND	323.65	32	S40054334	E147594111
FORBES	99.09	09	S33214244	E147551636
FORBES	279.08	27	S33214873	E147560324
FORREST	93.77	09	S30501134	E128063468
FORREST	273.76	27	S30501423	E128072561
FORREST	179.64	18	S30495763	E128064615
FORREST	359.64	36	S30504703	E128064651
FORRESTANIA	145.34	15	S32343551	E119421174
FORRESTANIA	325.33	33	S32351634	E119424509
FORTESCUE DAVE FORREST	124.18	12	S22170763	E119254497
FORTESCUE DAVE FORREST	304.17	30	S22174963	E119265145
GARDEN PT	41.73	04	S11241479	E130251759
GARDEN PT	221.73	22	S11234281	E130254650
GAYNDAH	65.33	06	S25370537	E151365467
GAYNDAH	245.32	24	S25364820	E151373589
GEORGETOWN (QLD)	63.67	06	S18181818	E143313325
GEORGETOWN (QLD)	243.67	24	S18180142	E143320871
GERALDTON	18.39	03	S28481616	E114421219
GERALDTON	198.39	21	S28471509	E114423524
GERALDTON	79.54	08	S28471664	E114415831
GERALDTON	259.53	26	S28471133	E114423094
GERALDTON	142.67	14	S28471706	E114420166
GERALDTON	322.67	32	S28473888	E114422055
GINBATA	90	09	S22345383	E120012457
GINBATA	270	27	S22345383	E120025202
GINGIN	75	08	S31275936	E115511343
GINGIN	254.99	26	S31274399	E115522033
GLADSTONE	110.11	10	S23520090	E151130121
GLADSTONE	290.11	28	S23521945	E151135630
GLEN INNES	105.87	10	S29402396	E151404836
GLEN INNES	285.86	28	S29403884	E151414832
GLEN INNES	154.08	14	S29400141	E151411024
GLEN INNES	334.07	32	S29404512	E151413457
GOLD COAST	150.58	14	S28092344	E153300254
GOLD COAST	330.59	32	S28102125	E153303931
GOLD COAST	184.09	17	S28095168	E153302431
GOLD COAST	4.09	35	S28101054	E153302279
GOLDEN GROVE	116.36	11	S28454110	E116575401
GOLDEN GROVE	296.35	29	S28460123	E116584012
GOODOOGA	130.88	12	S29041112	E147225087
GOODOOGA	310.87	30	S29043301	E147231966
GOONDIWINDI	42.1	04	S28313728	E150185598
GOONDIWINDI	222.09	22	S28310497	E150192903
GOONDIWINDI	131.49	12	S28311465	E150190427
GOONDIWINDI	311.49	30	S28313178	E150192620
GOULBURN	47.62	04	S34484761	E149431814
GOULBURN	227.61	22	S34481958	E149435538
GOULBURN	92	08	S34483487	E149433836
GOULBURN	272	26	S34483564	E149440509
GOVE	129.92	13	S12154626	E136483520
GOVE	309.92	31	S12163237	E136493123
GRAFTON	185.25	18	S29444978	E153015535
GRAFTON	5.25	36	S29454495	E153014954
GRANNY SMITH	156.12	16	S28451941	E122260392
GRANNY SMITH	336.12	34	S28461593	E122263232
GRIFFITH	65.79	06	S34152599	E146030656
GRIFFITH	245.75	24	S34150330	E146040732
GRIFFITH	188.5	18	S34144798	E146040673
GRIFFITH	8.5	36	S34150725	E146040326
GROOTE EYLANDT	99.14	10	S13581575	E136265962
GROOTE EYLANDT	279.13	28	S13582558	E136280223
GUNNEDAH	122.73	11	S30571296	E150142614
GUNNEDAH	302.72	29	S30574187	E150151834
GUNNEDAH	182.7	17	S30571877	E150150344
GUNNEDAH	2.7	35	S30573795	E150150239
HALLS CREEK	43.81	04	S18142743	E127394096
HALLS CREEK	223.81	22	S18135271	E127401582
HALLS CREEK	85.7	08	S18140816	E127394809
HALLS CREEK	265.69	26	S18140590	E127401950
HAMILTON	113.4	10	S37384556	E142033347
HAMILTON	293.39	28	S37390143	E142041961
HAMILTON	180.08	17	S37382893	E142034287
HAMILTON	.08	35	S37391447	E142034279
HAMILTON ISLAND	142.89	14	S20210483	E148564818
HAMILTON ISLAND	322.88	32	S20214903	E148572362
HAY	43.61	04	S34321467	E144492621
HAY	223.6	22	S34314029	E144500578
HAY	154.52	15	S34312591	E144493743
HAY	334.52	33	S34315936	E144495669
HERVEY BAY	118.65	11	S25185610	E152521753
HERVEY BAY	298.64	29	S25192726	E152532029
HOBART	135.14	12	S42494432	E147300742
HOBART	315.13	30	S42503604	E147311736

AD	BRG(T)	RWY	LAT	LONG
HOLSWORTHY	122.9	11	S33593840	E150565645
HOLSWORTHY	302.9	29	S33595021	E150571837
HOOKER CREEK	100.94	10	S18200082	E130380877
HOOKER CREEK	280.93	28	S18201056	E130390155
HOPETOUN	20.18	01	S35431155	E142212996
HOPETOUN	200.18	19	S35423775	E142214519
HOPETOUN	89.82	08	S35425033	E142212738
HOPETOUN	269.82	26	S35425028	E142214673
HORN ISLAND	84.81	08	S10351202	E142165247
HORN ISLAND	264.81	26	S10350793	E142173800
HORN ISLAND	139.83	14	S10345159	E142171964
HORN ISLAND	319.83	32	S10352231	E142174585
HORSHAM	89.71	08	S36400799	E142101471
HORSHAM	269.7	26	S36400777	E142110798
HORSHAM	179.7	17	S36400829	E142101925
HORSHAM	359.7	35	S36403418	E142101942
HUGHENDEN	65.66	06	S20490660	E144130456
HUGHENDEN	245.66	24	S20485414	E144133386
HUGHENDEN	127.81	12	S20482987	E144130734
HUGHENDEN	307.81	30	S20490266	E144135228
INNISFAIL	35.07	03	S17335167	E146003124
INNISFAIL	215.06	21	S17331589	E146005742
INNISFAIL	141.08	14	S17331522	E146002548
INNISFAIL	321.08	32	S17334948	E146005432
INVERELL	170.59	16	S29524304	E151083651
INVERELL	350.59	34	S29535074	E151084939
JABIRU	94.27	09	S12392710	E132531759
JABIRU	274.7	27	S12393084	E132540388
JACINTH AMBROSIA	139.74	14	S30534083	E132103911
JACINTH AMBROSIA	319.74	32	S30542541	E132112289
JANDAKOT	54.45	06L	S32055986	E115522846
JANDAKOT	234.44	24R	S32053857	E115530345
JANDAKOT	54.43	06R	S32060311	E115523689
JANDAKOT	234.43	24L	S32054139	E115531257
JANDAKOT	114.44	12	S32055975	E115522086
JANDAKOT	294.43	30	S32061305	E115525525
JERVIS BAY	94.89	08	S35084280	E150411755
JERVIS BAY	274.88	26	S35084684	E150421514
JERVIS BAY	163.96	15	S35083016	E150414181
JERVIS BAY	343.96	33	S35091769	E150415845
JULIA CREEK	107.15	10	S20395904	E141424316
JULIA CREEK	287.14	28	S20401249	E141432949
KALGOORLIE-BOULDER	110.45	11	S30471783	E121271661
KALGOORLIE-BOULDER	290.44	29	S30474052	E121282710
KALGOORLIE-BOULDER	185.47	18	S30465312	E121274361
KALGOORLIE-BOULDER	5.47	36	S30473190	E121273931
KALKGURUNG	33.68	03	S17255870	E130482366
KALKGURUNG	213.55	21	S17252481	E130484707
KALKGURUNG	135.24	13	S17260041	E130482708
KALKGURUNG	315.24	31	S17262179	E130484917
KALUMBURU	107.21	10	S14171322	E126374948
KALUMBURU	287.21	28	S14172241	E126381991
KAMBALDA	163.84	16	S31105871	E121354285
KAMBALDA	343.83	34	S31115485	E121360178
KARARA	116.65	12	S29125189	E116405061
KARARA	296.65	30	S29131238	E116413715
KARRATHA	83.66	08	S20425049	E116455296
KARRATHA	263.65	26	S20424229	E116471130
KARUMBA	37.69	03	S17272113	E140494892
KARUMBA	217.69	21	S17264827	E140501537
KATANNING	65.55	07	S33420906	E117385652
KATANNING	245.54	25	S33414890	E117394956
KATANNING	124.95	13	S33414381	E117390065
KATANNING	304.94	31	S33420055	E117392931
KEMPSEY	54.38	04	S31043554	E152453039
KEMPSEY	234.37	22	S31040442	E152462085
KEMPSEY	170.53	16	S31040775	E152460689
KEMPSEY	350.53	34	S31042767	E152461075
KERANG	59	05	S35450977	E143562079
KERANG	239	23	S35445821	E143564439
KERANG	148.97	14	S35445234	E143560305
KERANG	328.96	32	S35452201	E143562495
KIMBA	40.24	03	S33055502	E136273901
KIMBA	220.23	21	S33051584	E136281839
KIMBA	160.53	15	S33050078	E136273876
KIMBA	340.2	33	S33053474	E136275328
KING ISLAND	73.39	06	S39524031	E143524437
KING ISLAND	253.39	24	S39523289	E143531665
KING ISLAND	114.51	10	S39522441	E143521376
KING ISLAND	294.5	28	S39524572	E143531443
KING ISLAND	184.21	17	S39522212	E143530520
KING ISLAND	4.21	35	S39525792	E143530178
KINGAROY	65.22	05	S26350783	E151500947
KINGAROY	245.21	23	S26345008	E151505222
KINGAROY	169.07	16	S26342087	E151501709
KINGAROY	349.07	34	S26351191	E151502805
KINGSCOTE	21.36	01	S35431624	E137312250
KINGSCOTE	201.36	19	S35423384	E137314283
KINGSCOTE	66.38	06	S35425348	E137310064
KINGSCOTE	246.37	24	S35423873	E137314199
KINGSCOTE	156.38	15	S35423831	E137310696
KINGSCOTE	336.37	33	S35431299	E137312556
KOWANYAMA	119.94	12	S15285672	E141444903
KOWANYAMA	299.94	30	S15291913	E141452915
KUNUNURRA	119.68	12	S15462584	E128420607
KUNUNURRA	299.67	30	S15465530	E128425946
LAKE EVELLA	85.41	08	S12295410	E135480688
LAKE EVELLA	265.41	26	S12295154	E135483935
LATROBE VALLEY	45.14	03	S38125589	E146275419
LATROBE VALLEY	225.13	21	S38122317	E146283586
LATROBE VALLEY	97.15	09	S38121840	E146275533
LATROBE VALLEY	277.14	27	S38122211	E146283283
LAUNCESTON	148.22	14L	S41322833	E147125166
LAUNCESTON	328.21	32R	S41324762	E147130757
LAUNCESTON	147.28	14R	S41321346	E147121483
LAUNCESTON	327.27	32L	S41330746	E147130102
LAUNCESTON	196.22	18	S41322162	E147130378
LAUNCESTON	16.23	36	S41324310	E147125546
LAVERTON	69.7	07	S28370031	E122251593
LAVERTON	249.7	25	S28364003	E122261806
LAVERTON	157.42	16	S28362298	E122252173
LAVERTON	337.42	34	S28365055	E122253472
LEARMONTH	183.86	18	S22131195	E114052811
LEARMONTH	3.86	36	S22145078	E114052095
LEIGH CREEK	30.05	02	S30361349	E138251316
LEIGH CREEK	210.05	20	S30353922	E138253608
LEIGH CREEK	120.94	11	S30354439	E138252719
LEIGH CREEK	300.94	29	S30361294	E138262225
LEINSTER	100.32	10	S27503369	E120414258
LEINSTER	280.31	28	S27504416	E120424730
LEONGATHA	46.42	04	S38295575	E145512672
LEONGATHA	226.41	22	S38293509	E145515434
LEONGATHA	187.88	18	S38293611	E145513993
LEONGATHA	7.89	36	S38295773	E145513612
LEONORA	36.76	04	S28532083	E121182194
LEONORA	216.76	22	S28522832	E121190651
LEONORA	133.22	12	S28523013	E121182988
LEONORA	313.22	30	S28525593	E121190107
LIGHTNING RIDGE	47.51	04	S29271851	E147585024
LIGHTNING RIDGE	227.51	22	S29270242	E147591031
LIGHTNING RIDGE	109.35	10	S29270203	E147581134
LIGHTNING RIDGE	289.34	28	S29271719	E147590067
LISMORE	157.11	15	S28492619	E153151877
LISMORE	337.11	33	S28501579	E153154255
LOCKHART RIVER	124.89	12	S12470145	E143180213
LOCKHART RIVER	304.89	30	S12472936	E143184291
LONGREACH	46.55	04	S23261676	E144161443
LONGREACH	226.55	22	S23253352	E144170390
LORD HOWE ISLAND	114.36	10	S31321226	E159041815

AD	BRG(T)	RWY	LAT	LONG
LORD HOWE ISLAND				
	294.35	28	S31322412	E159044874
LOXTON	90.38	08	S34283457	E140395199
LOXTON	270.37	26	S34283482	E140403847
LOXTON	179.88	17	S34280950	E140394778
LOXTON	359.88	35	S34283721	E140394785
MACKAY	57.97	05	S21103147	E149102881
MACKAY	237.94	23	S21100928	E149110662
MACKAY	147.69	14	S21094749	E149103887
MACKAY	327.69	32	S21104197	E149111560
MAITLAND (NSW)	56.82	05	S32421120	E151292237
MAITLAND (NSW)	236.82	23	S32415118	E151295858
MAITLAND (NSW)	92.99	08	S32420436	E151292857
MAITLAND (NSW)	272.99	26	S32420527	E151294916
MAITLAND (NSW)	193.2	18	S32414831	E151293500
MAITLAND (NSW)	13.2	36	S32420165	E151293130
MALLACOOTA	82.99	07	S37360486	E149425033
MALLACOOTA	262.98	25	S37360137	E149432597
MALLACOOTA	190.89	18	S37353925	E149432052
MALLACOOTA	10.89	36	S37361200	E149431260
MANGALORE	54.05	05	S36533647	E145102272
MANGALORE	234.04	23	S36525788	E145112896
MANGALORE	189.08	18	S36525798	E145112400
MANGALORE	9.09	36	S36534475	E145111469
MANINGRIDA	148.64	14	S12030943	E134135764
MANINGRIDA	328.64	32	S12035189	E134142393
MANJIMUP	113.3	12	S34154776	E116080292
MANJIMUP	293.29	30	S34160339	E116084664
MAREEBA	109.47	10	S17040443	E145250221
MAREEBA	289.47	28	S17042075	E145255020
MARLA	180.95	18	S27193684	E133374010
MARLA	.95	36	S27203183	E133373908
MARYBOROUGH (QLD)				
	128.58	12	S25304243	E152424214
MARYBOROUGH (QLD)				
	308.57	30	S25310040	E152430697
MARYBOROUGH (QLD)				
	173.53	17	S25302297	E152424577
MARYBOROUGH (QLD)				
	353.53	35	S25311424	E152425218
MARYBOROUGH (VIC)				
	67.8	06	S37015793	E143423389
MARYBOROUGH (VIC)				
	247.8	24	S37015080	E143425568
MARYBOROUGH (VIC)				
	173	17	S37014981	E143422455
MARYBOROUGH (VIC)				
	353	35	S37022331	E143422968
MCARTHUR RIVER MINE				
	69.31	06	S16265557	E136035096
MCARTHUR RIVER MINE				
	249.3	24	S16262682	E136050983
MEEKATHARRA	84.9	09	S26363286	E118320635
MEEKATHARRA	264.89	27	S26362655	E118332489
MEEKATHARRA	139	15	S26363069	E118325348
MEEKATHARRA	319	33	S26365987	E118332170
MELBOURNE	94.2	09	S37393872	E144492009
MELBOURNE	274.18	27	S37394414	E144505312
MELBOURNE	171.56	16	S37391149	E144500568
MELBOURNE	351.56	34	S37410884	E144502758
MERIMBULA	34	03	S36544632	E149534772
MERIMBULA	213.99	21	S36540327	E149542387
MILDURA	101.63	09	S34133511	E142042590
MILDURA	281.62	27	S34134708	E142053595
MILDURA	185.05	18	S34133300	E142052280
MILDURA	5.05	36	S34140983	E142051888
MILES	226.31	04	S26480600	E150103000
MILES	46.31	22	S26484200	E150094800
MILINGIMBI	116.22	11	S12053164	E134531437
MILINGIMBI	296.22	29	S12055193	E134535624
MOOMBA	126.77	12	S28053942	E140112627
MOOMBA	306.76	30	S28061282	E140121668
MOORABBIN	47.37	04	S37584629	E145055337
MOORABBIN	227.31	22	S37583603	E145060742
MOORABBIN	141.99	13L	S37582248	E145055511
MOORABBIN	322	31R	S37584915	E145062145
MOORABBIN	141.98	13R	S37583261	E145055401
MOORABBIN	322.09	31L	S37585171	E145061280
MOORABBIN	175.92	17L	S37582716	E145055822
MOORABBIN	355.95	35R	S37585579	E145060078
MOORABBIN	175.93	17R	S37582527	E145054930
MOORABBIN	355.96	35L	S37585453	E145055191
MORANBAH	171.37	16	S22030484	E148043093
MORANBAH	351.37	34	S22035392	E148043892
MOREE	17.28	01	S29302262	E149503495
MOREE	197.28	19	S29293271	E149505270
MOREE	58.17	05	S29300300	E149501165
MOREE	238.17	23	S29294624	E149504251
MORNINGTON ISLAND				
	98.37	09	S16393785	E139094683
MORNINGTON ISLAND				
	278.36	27	S16394503	E139103749
MORNINGTON ISLAND				
	134.62	12	S16392428	E139094154
MORNINGTON ISLAND				
	314.62	30	S16394284	E139100105
MORUYA	56.13	04	S35541355	E150082372
MORUYA	236.12	22	S35535860	E150085109
MORUYA	191.8	18	S35531981	E150085390
MORUYA	11.8	36	S35540820	E150084148
MOUNT GAMBIER	63.81	06	S37445808	E140464675
MOUNT GAMBIER	243.8	24	S37444596	E140471778
MOUNT GAMBIER	120.92	11	S37444550	E140464638
MOUNT GAMBIER	300.91	29	S37450086	E140471868
MOUNT GAMBIER	185.79	18	S37442508	E140472291
MOUNT GAMBIER	5.79	36	S37451428	E140471663
MOUNT GORDON	90.08	08	S19462149	E139235512
MOUNT GORDON	270.07	26	S19462154	E139243514
MOUNT ISA	167.73	16	S20391815	E139290917
MOUNT ISA	347.73	34	S20403951	E139292797
MOUNT KEITH	114.04	11	S27170131	E120324479
MOUNT KEITH	294.03	29	S27172514	E120334459
MOUNT MAGNET	35.53	04	S28070405	E117500652
MOUNT MAGNET	215.53	22	S28064026	E117502568
MOUNT MAGNET	156.88	16	S28062794	E117501341
MOUNT MAGNET	336.88	34	S28072169	E117503930
MUDGEE	52.14	04	S32341109	E149360728
MUDGEE	232.13	22	S32333647	E149365986
MUDGEE	170.89	16	S32331844	E149364093
MUDGEE	350.89	34	S32335293	E149364746
MURRAY FIELD	46	05	S32303232	E115495490
MURRAY FIELD	225.49	23	S32300627	E115502617
MURRAY FIELD	0	09	S32303427	E115494817
MURRAY FIELD	270.08	27	S32303431	E115502279
NACKEROO	140.04	14	S15342190	E130281776
NACKEROO	320.04	32	S15344848	E130284074
NARACOORTE	27.19	02	S36591802	E140432669
NARACOORTE	207.19	20	S36584524	E140434768
NARACOORTE	84.07	08	S36585120	E140430221
NARACOORTE	264.06	26	S36584769	E140434427
NARRABRI	95.59	09	S30184848	E149492871
NARRABRI	275.58	27	S30185232	E149501396
NARRABRI	193.12	18	S30185095	E149493945
NARRABRI	13.12	36	S30193910	E149492651
NARRANDERA	53.24	05	S34421331	E146303233
NARRANDERA	233.24	23	S34415326	E146310483
NARRANDERA	143.86	14	S34413605	E146301974
NARRANDERA	323.85	32	S34421828	E146305709
NARROMINE	53.8	04	S32130636	E148131522
NARROMINE	233.79	22	S32124527	E148134911
NARROMINE	121.38	11	S32124435	E148130366
NARROMINE	301.37	29	S32131005	E148135323
NEWMAN	55.82	05	S23252554	E119474073
NEWMAN	235.82	23	S23244769	E119484113
NGUKURR	114.45	11	S14431399	E134442864
NGUKURR	294.45	29	S14433459	E134451519
NHILL	102.49	09	S36183525	E141382969
NHILL	282.49	27	S36184227	E141390885
NHILL	187.11	18	S36182530	E141383779
NHILL	7.12	36	S36190096	E141383229

AD	BRG(T)	RWY	LAT	LONG
NIFTY	117.58	12	S21401116	E121351645
NIFTY	297.57	30	S21404185	E121361932
NORFOLK ISLAND	49.94	04	S29024766	E167555956
NORFOLK ISLAND	229.93	22	S29021761	E167564022
NORFOLK ISLAND	122.24	11	S29021171	E167554801
NORFOLK ISLAND	302.23	29	S29024447	E167564712
NORMANTON	146.52	14	S17405096	E141040292
NORMANTON	326.52	32	S17413645	E141043431
NORSEMAN	5.57	01	S32123712	E121452639
NORSEMAN	185.57	19	S32114828	E121453199
NORSEMAN	44.03	04	S32125121	E121450670
NORSEMAN	224.03	22	S32122697	E121453426
NORTHERN PENINSULA	137.29	13	S10561822	E142265228
NORTHERN PENINSULA	317.28	31	S10570207	E142273325
NOWRA	44.39	03	S34565587	E150321125
NOWRA	224.38	21	S34560842	E150330765
NOWRA	94.39	08	S34565237	E150313573
NOWRA	274.37	26	S34565756	E150325803
NUMBULWAR	149.54	15	S14155181	E135424179
NUMBULWAR	329.54	33	S14162888	E135430414
NYNGAN	59.31	05	S31331588	E147114398
NYNGAN	239.3	23	S31324867	E147123751
NYNGAN	193.48	18	S31324057	E147120306
NYNGAN	13.48	36	S31331411	E147115367
OAKEY	54.9	05	S27242191	E151435120
OAKEY	234.89	23	S27240482	E151441844
OAKEY	99.58	09	S27243276	E151432902
OAKEY	279.57	27	S27243816	E151440489
OAKEY	145.1	14	S27240961	E151441354
OAKEY	325.1	32	S27245357	E151444790
OENPELLI	118.72	12	S12192123	E133000541
OENPELLI	298.71	30	S12194187	E133004373
OLYMPIC DAM	70.52	06	S30291451	E136520583
OLYMPIC DAM	250.51	24	S30285728	E136530206
ONSLOW	29.46	03	S21404371	E115063467
ONSLOW	209.45	21	S21394992	E115070717
OODNADATTA	48.15	04	S27333190	E135263090
OODNADATTA	228.15	22	S27331410	E135265320
OODNADATTA	138.48	13	S27332990	E135262000
OODNADATTA	318.47	31	S27340130	E135265120
ORANGE	52.63	04	S33223882	E149072124
ORANGE	232.62	22	S33222338	E149074533
ORANGE	125.51	11	S33223903	E149072556
ORANGE	305.5	29	S33231063	E149081835
ORBOST	82.9	07	S37472476	E148361855
ORBOST	262.9	25	S37472019	E148370478
OSBORNE MINE	131.8	12	S22043243	E140325997
OSBORNE MINE	311.79	30	S22051578	E140335200
PALM ISLAND	142.66	14	S18450388	E146344122
PALM ISLAND	322.65	32	S18453292	E146350448
PARABURDOO	65.19	06	S23103163	E117441492
PARABURDOO	245.18	24	S23100254	E117452297
PARAFIELD	28.24	03L	S34481360	E138375032
PARAFIELD	208.24	21R	S34473500	E138381545
PARAFIELD	28.23	03R	S34480779	E138380363
PARAFIELD	208.23	21L	S34473121	E138382744
PARAFIELD	84.8	08L	S34473678	E138372915
PARAFIELD	264.8	26R	S34473396	E138380671
PARAFIELD	84.8	08R	S34474412	E138372394
PARAFIELD	264.79	26L	S34474120	E138380280
PARKES	54.91	04	S33081408	E148135008
PARKES	234.9	22	S33074268	E148144319
PARKES	124.82	11	S33072930	E148134904
PARKES	304.82	29	S33075620	E148143500
PEARCE	44.74	05	S31402035	E116003129
PEARCE	224.73	23	S31394135	E116011647
PEARCE	173.51	18L	S31394468	E116004937
PEARCE	353.51	36R	S31410336	E116005984
PEARCE	173.51	18R	S31400761	E116004800
PEARCE	353.5	36L	S31410380	E116005548
PERTH	13.95	03	S31573146	E115573486
PERTH	193.95	21	S31554294	E115580647
PERTH	58.9	06	S31562756	E115573313
PERTH	238.89	24	S31555127	E115584365
POINT COOK	48.07	04	S37561101	E144444739
POINT COOK	228.06	22	S37554640	E144452198
POINT COOK	90.42	08	S37560366	E144445094
POINT COOK	270.41	26	S37560391	E144453461
POINT COOK	175.33	17	S37552708	E144451228
POINT COOK	355.33	35	S37561140	E144451685
POONCARIE	63.73	06	S33223141	E142345290
POONCARIE	243.72	24	S33221629	E142352940
PORMPURAAW	150.58	14	S14532776	E141362193
PORMPURAAW	330.57	32	S14540631	E141364429
PORT AUGUSTA	159.24	15	S32295303	E137424110
PORT AUGUSTA	339.23	33	S32304314	E137430352
PORT HEDLAND	137.43	14	S20222671	E118371776
PORT HEDLAND	317.43	32	S20232658	E118381608
PORT HEDLAND	182.41	18	S20221303	E118374546
PORT HEDLAND	2.41	36	S20224549	E118374401
PORT KEATS	160.98	16	S14143741	E129313838
PORT KEATS	340.98	34	S14152078	E129315371
PORT LINCOLN	16.62	01	S34364539	E135523589
PORT LINCOLN	196.62	19	S34355877	E135525272
PORT LINCOLN	57.55	05	S34362654	E135522989
PORT LINCOLN	237.54	23	S34360433	E135531213
PORT LINCOLN	153.91	15	S34355669	E135523074
PORT LINCOLN	333.9	33	S34363896	E135525578
PORT MACQUARIE	29.76	03	S31263464	E152512589
PORT MACQUARIE	209.75	21	S31254388	E152515973
PORT PIRIE	41.83	03	S33142771	E137595272
PORT PIRIE	221.83	21	S33141144	E138001005
PORT PIRIE	90.12	08	S33141720	E137592826
PORT PIRIE	270.12	26	S33141727	E138000858
PORT PIRIE	180.53	17	S33140633	E137592925
PORT PIRIE	.53	35	S33144105	E137592887
PORTLAND	87.41	08	S38191027	E141274591
PORTLAND	267.4	26	S38190790	E141285239
PORTLAND	177.42	17	S38184938	E141275827
PORTLAND	357.42	35	S38192762	E141280046
PROMINENT HILL	189.74	18	S29422210	E135313471
PROMINENT HILL	9.74	36	S29433255	E135312086
PROSERPINE / WHITSUNDAY COAST	114.49	11	S20292576	E148323991
PROSERPINE / WHITSUNDAY COAST	294.49	29	S20295371	E148334503
QUILPIE	94.17	09	S26363192	E144150001
QUILPIE	274.17	27	S26363546	E144155402
QUILPIE	194.71	18	S26360556	E144152124
QUILPIE	14.71	36	S26364292	E144151033
QUIRINDI	65.44	06	S31300544	E150304756
QUIRINDI	245.43	24	S31295051	E150312568
QUIRINDI	139.57	14	S31292718	E150305193
QUIRINDI	319.57	32	S31301088	E150313538
RAMINGINING	92.18	09	S12212460	E134530903
RAMINGINING	272.18	27	S12212631	E134535479
RAVENSTHORPE	58.86	06	S33480660	E120120170
RAVENSTHORPE	238.85	24	S33473840	E120125760
RAVENSTHORPE	138.73	14	S33473630	E120122480
RAVENSTHORPE	318.72	32	S33480550	E120125550
RENMARK	74.08	07	S34120142	E140393435
RENMARK	254.07	25	S34114595	E140403962
RENMARK	185.08	18	S34114687	E140404322
RENMARK	5.08	36	S34121996	E140403968
RICHMOND (NSW)	107.11	10	S33360581	E150461649
RICHMOND (NSW)	287.1	28	S33362618	E150473559
RICHMOND (QLD)	98.68	09	S20420056	E143062341
RICHMOND (QLD)	278.68	27	S20420804	E143071548
ROBINVALE	29.04	01	S34384860	E142461352
ROBINVALE	209.04	19	S34381625	E142463525
ROBINVALE	134.05	12	S34383267	E142462060
ROBINVALE	314.04	30	S34385919	E142465378
ROCKHAMPTON	52.45	04	S23225685	E150275540
ROCKHAMPTON	232.45	22	S23222423	E150284137
ROCKHAMPTON	157.66	15	S23220919	E150281402
ROCKHAMPTON	337.68	33	S23232645	E150284842
ROMA	101.64	09	S26323876	E148455885
ROMA	281.63	27	S26324401	E148462720

AD	BRG(T)	RWY	LAT	LONG
ROMA	191.61	18	S26321556	E148463758
ROMA	11.61	36	S26330346	E148462664
ROTTNEST ISLAND	90.37	09	S32002255	E115315821
ROTTNEST ISLAND	270.36	27	S32002278	E115324087
SAIBAI ISLAND	131.6	12	S09223474	E142372136
SAIBAI ISLAND	311.6	30	S09225040	E142373912
SCONE	121.7	11	S32020543	E150493334
SCONE	301.7	29	S32022931	E150501873
SEA LAKE	97.73	09	S35314796	E142530459
SEA LAKE	277.72	27	S35315250	E142534555
SEA LAKE	180.06	17	S35313218	E142534213
SEA LAKE	.06	35	S35315500	E142534210
SHARK BAY	178.14	18	S25531996	E113343199
SHARK BAY	358.14	36	S25541485	E113343396
SHAY GAP	98.47	10	S20252452	E120075089
SHAY GAP	278.47	28	S20253366	E120085601
SHEPPARTON	99.51	09	S36254619	E145232707
SHEPPARTON	279.51	27	S36254851	E145234421
SHEPPARTON	190.54	18	S36251969	E145233466
SHEPPARTON	10.54	36	S36255631	E145232623
SMITHTON	69.44	06	S40501893	E145042945
SMITHTON	249.39	24	S40500269	E145052633
SMITHTON	112.97	10	S40495146	E145050459
SMITHTON	292.97	28	S40495852	E145052652
SNAKE BAY	129.46	13	S11244936	E130383692
SNAKE BAY	309.46	31	S11251921	E130391368
SOLOMON	89.69	09	S22152452	E117502667
SOLOMON	269.68	27	S22152416	E117513655
SOUTH GOULBURN ISLAND	99.52	10	S11385754	E133220793
SOUTH GOULBURN ISLAND	279.52	28	S11390497	E133225289
SOUTHERN CROSS	90	09	S31142684	E119210948
SOUTHERN CROSS	270	27	S31142684	E119215927
SOUTHERN CROSS	138.32	14	S31135780	E119210421
SOUTHERN CROSS	318.31	32	S31143188	E119213953
SOUTHPORT	25.01	01	S27552500	E153221400
SOUTHPORT	205.56	19	S27551200	E153222100
ST ARNAUD	97.21	09	S36383974	E143103813
ST ARNAUD	277.21	27	S36384192	E143105951
ST ARNAUD	187.18	18	S36381595	E143110591
ST ARNAUD	7.22	36	S36384357	E143110159
ST GEORGE	120.58	11	S28024881	E148351990
ST GEORGE	300.57	29	S28031398	E148360792
ST HELENS	93.57	08	S41201494	E148164488
ST HELENS	273.56	26	S41201710	E148173089
STANTHORPE	91.19	08	S28371177	E151582096
STANTHORPE	271.18	26	S28371292	E151592385
STAWELL	114.74	11	S37035626	E142433685
STAWELL	294.73	29	S37041528	E142442838
STAWELL	185.49	18	S37041680	E142442947
STAWELL	5.49	36	S37044440	E142442616
STRAHAN	191.37	18	S42090140	E145172899
STRAHAN	11.37	36	S42094014	E145171852
STREAKY BAY	51.8	05	S32504030	E134173734
STREAKY BAY	231.8	23	S32502459	E134180099
STREAKY BAY	129.66	13	S32495719	E134171382
STREAKY BAY	309.65	31	S32502519	E134175383
SUNSHINE COAST	128.31	12	S26360197	E153051058
SUNSHINE COAST	308.31	30	S26361508	E153052904
SUNSHINE COAST	194.02	18	S26353973	E153053957
SUNSHINE COAST	14.02	36	S26363642	E153052382
SWAN HILL	49.01	04	S35225517	E143315177
SWAN HILL	229	22	S35223464	E143322061
SWAN HILL	90.95	08	S35222964	E143312954
SWAN HILL	270.94	26	S35223044	E143322871
SWAN HILL	155.5	15	S35223417	E143320595
SWAN HILL	335.5	33	S35225518	E143321764
SYDNEY	74.21	07	S33563751	E151094901
SYDNEY	254.19	25	S33561604	E151112005
SYDNEY	167.8	16L	S33570593	E151111983
SYDNEY	347.79	34R	S33581477	E151113770
SYDNEY	167.8	16R	S33554840	E151101840
SYDNEY	347.8	34L	S33575140	E151105031
TAMWORTH	73.12	06	S31045945	E150503445
TAMWORTH	253.12	24	S31045153	E150510478
TAMWORTH	132.87	12L	S31041584	E150501310
TAMWORTH	312.86	30R	S31050443	E150511392
TAMWORTH	132.86	12R	S31045276	E150495832
TAMWORTH	312.86	30L	S31051727	E150502901
TAMWORTH	188.26	18	S31043763	E150504777
TAMWORTH	8.26	36	S31051043	E150504224
TAREE	45.04	04	S31533425	E152303572
TAREE	225.04	22	S31525970	E152311627
TAREE	137.81	12	S31530414	E152302988
TAREE	317.8	30	S31531773	E152304432
TAROOM	87.15	08	S25481627	E149534564
TAROOM	267.14	26	S25481451	E149542463
TAROOM	129.77	12	S25475578	E149533930
TAROOM	309.76	30	S25481862	E149540962
TELFER	121.5	12	S21423769	E122131903
TELFER	301.49	30	S21431166	E122141837
TEMORA	61.89	05	S34253318	E147294282
TEMORA	241.88	23	S34250197	E147305331
TEMORA	98.91	09	S34251839	E147302742
TEMORA	278.9	27	S34252249	E147305899
TEMORA	188.89	18	S34250272	E147305430
TEMORA	8.89	36	S34254981	E147304541
TENNANT CREEK	74.37	07	S19380916	E134101082
TENNANT CREEK	254.37	25	S19375199	E134111559
TENNANT CREEK	119.12	11	S19380170	E134103332
TENNANT CREEK	299.25	29	S19381850	E134110498
THANGOOL	111.48	10	S24293360	E150341872
THANGOOL	291.47	28	S24295177	E150350919
THANGOOL	139.68	14	S24293162	E150343157
THANGOOL	319.68	32	S24295133	E150344985
THARGOMINDAH	51.29	04	S27594176	E143482913
THARGOMINDAH	231.28	22	S27592457	E143485329
THARGOMINDAH	140.65	13	S27585308	E143482707
THARGOMINDAH	320.64	31	S27592984	E143490103
THE GRANITES	116.56	11	S20323852	E130202564
THE GRANITES	296.55	29	S20331254	E130213790
THE MONUMENT	145.83	14	S21480757	E139545914
THE MONUMENT	325.83	32	S21485868	E139553629
TIBOOBURRA	29.92	02	S29272684	E142031492
TIBOOBURRA	209.91	20	S29265882	E142033334
TIBOOBURRA	161.13	15	S29263846	E142031390
TIBOOBURRA	341.13	33	S29272558	E142033230
TINDAL	138.91	14	S14304391	E132220789
TINDAL	318.9	32	S14315116	E132230810
TOCUMWAL	98.59	09	S35483628	E145354206
TOCUMWAL	278.58	27	S35484211	E145362946
TOCUMWAL	188.52	18	S35481474	E145362134
TOCUMWAL	8.52	36	S35485559	E145361383
TOOWOOMBA	72.36	06	S27323871	E151544036
TOOWOOMBA	252.36	24	S27323222	E151550326
TOOWOOMBA	116.8	11	S27322555	E151544532
TOOWOOMBA	296.79	29	S27324343	E151552504
TOWNSVILLE	24.16	01	S19152990	E146455300
TOWNSVILLE	204.16	19	S19141753	E146462718
TOWNSVILLE	73.98	07	S19152091	E146451996
TOWNSVILLE	253.97	25	S19151106	E146455607
TREPELL	143.96	14	S21494299	E140525673
TREPELL	323.96	32	S21503029	E140533359
TROPICANA	88.99	09	S29111020	E124322280
TROPICANA	268.98	27	S29110900	E124334020
TROUGHTON ISLAND	147.55	14	S13445431	E126084748
TROUGHTON ISLAND	327.54	32	S13452130	E126090504
TRUSCOTT-MUNGALALU	128.32	12	S14045736	E126222496
TRUSCOTT-MUNGALALU	308.32	30	S14053360	E126231194
TUMBY BAY	160.47	15	S34212485	E136053742
TUMBY BAY	340.47	33	S34215840	E136055177
TUMUT	181.95	17	S35154839	E148142652
TUMUT	1.95	35	S35162276	E148142509

AD	BRG(T)	RWY	LAT	LONG
WAGGA WAGGA	62.16	05	S35100144	E147273649
WAGGA WAGGA	242.12	23	S35093458	E147283832
WAGGA WAGGA	125.23	12	S35095047	E147274561
WAGGA WAGGA	305.17	30	S35100719	E147281450
WAIKERIE	23.28	02	S34110080	E140015155
WAIKERIE	203.28	20	S34103594	E140020442
WAIKERIE	84.96	08	S34111356	E140012547
WAIKERIE	264.95	26	S34111082	E140020283
WALGETT	58.13	05	S30021445	E148070595
WALGETT	238.13	23	S30014659	E148075745
WALGETT	190.58	18	S30013589	E148073508
WALGETT	10.58	36	S30021273	E148072717
WANGARATTA	97.91	09	S36250816	E146175862
WANGARATTA	277.9	27	S36251054	E146181983
WANGARATTA	188.23	18	S36242992	E146183482
WANGARATTA	8.24	36	S36252253	E146182540
WARRACKNABEAL	85.98	08	S36191960	E142244664
WARRACKNABEAL	265.97	26	S36191648	E142254148
WARRACKNABEAL	175.57	17	S36190306	E142250575
WARRACKNABEAL	355.57	35	S36192773	E142250811
WARREN	41	03	S31442639	E147473301
WARREN	220.99	21	S31440055	E147475929
WARREN	99.02	09	S31435982	E147481134
WARREN	279.01	27	S31440587	E147485596
WARRNAMBOOL	47.89	04	S38175548	E142263708
WARRNAMBOOL	227.89	22	S38173223	E142270972
WARRNAMBOOL	138.02	13	S38172343	E142262883
WARRNAMBOOL	318.01	31	S38175650	E142270659
WARWICK	99.04	09	S28085399	E151560559
WARWICK	279.03	27	S28090239	E151570521
WEIPA	124.25	12	S12402370	E141545820
WEIPA	304.25	30	S12405384	E141554328
WEST SALE	56.3	05	S38054125	E146574273
WEST SALE	236.29	23	S38053223	E146575984
WEST SALE	99.49	09	S38052295	E146572419
WEST SALE	279.48	27	S38053111	E146582597
WEST SALE	145.69	14	S38053038	E146575111
WEST SALE	325.69	32	S38054913	E146580730
WEST WYALONG	41.56	04	S33562291	E147113374
WEST WYALONG	221.55	22	S33560400	E147115385
WEST WYALONG	98.64	09	S33561689	E147105233
WEST WYALONG	278.63	27	S33562461	E147115334
WHYALLA	54.32	05	S33033131	E137302571
WHYALLA	234.31	23	S33030480	E137310954
WHYALLA	174.28	17	S33030406	E137310646
WHYALLA	354.28	35	S33035854	E137311294
WILLIAMTOWN	130.31	12	S32471959	E151492954
WILLIAMTOWN	310.3	30	S32481077	E151504099
WILUNA	33.36	03	S26381401	E120125701
WILUNA	213.35	21	S26374082	E120132132
WILUNA	146.6	15	S26373331	E120130098
WILUNA	326.59	33	S26382241	E120133701
WINDORAH	50.26	04	S25245203	E142394849
WINDORAH	230.26	22	S25242348	E142402630
WINTON	59.25	05	S22215009	E143043887
WINTON	239.25	23	S22213683	E143050283
WINTON	148.96	14	S22212547	E143045735
WINTON	328.95	32	S22220452	E143052262
WOLLONGONG	94.18	08	S34334423	E150465406
WOLLONGONG	274.33	26	S34334732	E150474340
WOLLONGONG	169.31	16	S34330537	E150470730
WOLLONGONG	349.04	34	S34335803	E150471963
WOODIE WOODIE	140.67	14	S21381942	E121110678
WOODIE WOODIE	320.67	32	S21390860	E121114988
WOOMERA	125.37	12	S31081247	E136485410
WOOMERA	305.36	30	S31084281	E136494380
WOOMERA	185.82	18	S31080644	E136484993
WOOMERA	5.82	36	S31092308	E136484085
WUDINNA	74.45	07	S33023985	E135262259
WUDINNA	254.44	25	S33023167	E135265748
WUDINNA	144.36	14	S33020401	E135262616
WUDINNA	324.36	32	S33024383	E135270006
WYCHEPROOF	90.25	08	S36033205	E143140231
WYCHEPROOF	270.24	26	S36033215	E143143101
WYCHEPROOF	180.26	17	S36031552	E143143355
WYCHEPROOF	.26	35	S36034892	E143143336
WYNDHAM	124.24	12	S15301595	E128085559
WYNDHAM	304.24	30	S15304538	E128094019
WYNYARD	64.53	05	S40595301	E145432351
WYNYARD	244.53	23	S40594148	E145435546
WYNYARD	99.25	09	S40594847	E145432628
WYNYARD	279.24	27	S40595707	E145443600
YARRAM	62.34	05	S38341775	E146445371
YARRAM	242.34	23	S38340134	E146453359
YARRAM	99.2	09	S38335834	E146445707
YARRAM	279.2	27	S38340226	E146452789
YARRAWONGA	22.44	01	S36021173	E146013136
YARRAWONGA	202.44	19	S36013798	E146014852
YORKE ISLAND	122.33	12	S09450235	E143240774
YORKE ISLAND	302	30	S09451734	E143243162
YOUNG	14.8	01	S34153923	E148144352
YOUNG	194.79	19	S34150094	E148145570

SECTION 18 – CONTROLLED AERODROMES

Aerodrome	State	Code	Latitude	Longitude
ADELAIDE	SA	YPAD	34 56 42S	138 31 50E
ALBURY	NSW	YMAY	36 04 04S	146 57 29E
ALICE SPRINGS	NT	YBAS	23 48 30S	133 54 03E
AMBERLEY	QLD	YAMB	27 38 26S	152 42 43E
ARCHERFIELD	QLD	YBAF	27 34 13S	153 00 29E
AVALON	VIC	YMAV	38 02 22S	144 28 10E
BANKSTOWN	NSW	YSBK	33 55 28S	150 59 18E
BRISBANE	QLD	YBBN	27 23 03S	153 07 03E
BROOME	WA	YBRM	17 56 59S	122 13 40E
CAIRNS	QLD	YBCS	16 53 09S	145 45 19E
CAMDEN	NSW	YSCN	34 02 25S	150 41 14E
CANBERRA	ACT	YSCB	35 18 25S	149 11 42E
COFFS HARBOUR	NSW	YCFS	30 19 14S	153 06 59E
DARWIN	NT	YPDN	12 24 53S	130 52 36E
EAST SALE	VIC	YMES	38 05 56S	147 08 58E
EDINBURGH	SA	YPED	34 42 09S	138 37 15E
ESSENDON	VIC	YMEN	37 43 41S	144 54 07E
GOLD COAST	QLD	YBCG	28 09 52S	153 30 17E
HAMILTON ISLAND	QLD	YBHM	20 21 29S	148 57 06E
HOBART	TAS	YMHB	42 50 10S	147 30 37E
JANDAKOT	WA	YPJT	32 05 51S	115 52 52E
KARRATHA	WA	YPKA	20 42 44S	116 46 24E
LAUNCESTON	TAS	YMLT	41 32 43S	147 12 51E
MACKAY	QLD	YBMK	21 10 18S	149 10 47E
SUNSHINE COAST	QLD	YBSU	26 36 12S	153 05 28E
MELBOURNE	VIC	YMML	37 40 24S	144 50 36E
MOORABBIN	VIC	YMMB	37 58 33S	145 06 08E
NOWRA	NSW	YSNW	34 56 56S	150 32 13E
OAKEY	QLD	YBOK	27 24 41S	151 44 07E
PARAFIELD	SA	YPPF	34 47 36S	138 37 59E
PEARCE	WA	YPEA	31 40 04S	116 00 54E
PERTH	WA	YPPH	31 56 25S	115 58 01E
RICHMOND	NSW	YSRI	33 36 02S	150 46 51E
ROCKHAMPTON	QLD	YBRK	23 22 55S	150 28 31E
SYDNEY	NSW	YSSY	33 56 46S	151 10 38E
TAMWORTH	NSW	YSTW	31 05 02S	150 50 48E
TINDAL	NT	YPTN	14 31 16S	132 22 40E
TOWNSVILLE	QLD	YBTL	19 15 09S	146 45 55E
WILLIAMTOWN	NSW	YWLM	32 47 42S	151 50 04E
WOOMERA	SA	YPWR	31 08 39S	136 49 01E

NOTES

SECTION 19 – UNCERTIFIED OR UNREGISTERED AERODROMES LISTED IN ERSA FAC

NAME	STATE	IDENT	LOCATION
ADELS GROVE	QLD	YALG	18 41 33S 138 31 53E
ALDINGA	SA	YADG	35 17 20S 138 29 36E
AMATA	SA	YAMT	26 05 50S 131 12 10E
ANDAMOOKA	SA	YAMK	30 26 16S 137 08 14E
ANNA CREEK	SA	YANK	28 53 50S 136 10 14E
ARAMAC	QLD	YAMC	22 57 34S 145 15 09E
ARDROSSAN	SA	YARS	34 26 30S 137 53 00E
ARKAROOLA	SA	YARK	30 24 23S 139 20 48E
ARRABURY	QLD	YARY	26 41 26S 141 02 50E
ATHERTON	QLD	YATN	17 15 43S 145 30 52E
AUGUSTA	WA	YAUG	34 19 48S 115 09 24E
AUGUSTUS DOWNS	QLD	YAGD	18 30 56S 139 52 43E
AYR	QLD	YAYR	19 35 47S 147 19 29E
BACCHUS MARSH	VIC	YBSS	37 44 00S 144 25 20E
BADU IS	QLD	YBAU	10 09 00S 142 10 27E
BALCANOONA	SA	YBLC	30 32 04S 139 20 16E
BALLIDU	WA	YBIU	30 35 36S 116 46 48E
BAMYILI	NT	YBMY	14 31 11S 132 53 00E
BARADINE	NSW	YBAD	30 57 18S 149 05 30E
BARALABA	QLD	YBAB	24 11 12S 149 50 42E
BARWON HEADS/GEELONG	VIC	YBRS	38 15 29S 144 25 39E
BARYULGIL	NSW	YBYL	29 12 59S 152 36 54E
BEAUFORT	VIC	YBFT	37 29 40S 143 25 48E
BELLBURN	WA	YBEB	17 32 41S 128 18 18E
BETOOTA	QLD	YBEO	25 41 42S 140 44 12E
BEVERLEY	SA	YBEE	30 11 12S 139 33 30E
BEVERLEY SPRINGS	WA	YBYS	16 44 00S 125 26 00E
BINDA	NSW	YBID	34 18 13S 149 21 37E
BLUE WATER PARK	QLD	YBLP	19 11 30S 146 29 36E
BOIGU IS	QLD	YBOI	09 14 00S 142 13 00E
BOLLON	QLD	YBLL	28 03 13S 147 28 42E
BOMBALA	NSW	YBOM	36 54 18S 149 11 00E
BOOLEROO CENTRE	SA	YBOC	32 53 24S 138 22 00E
BOOMI	NSW	YBMI	28 43 44S 149 35 44E
BOONAH	QLD	YBOA	28 01 03S 152 40 36E
BOORT	VIC	YBBT	36 08 14S 143 43 14E
BORDERTOWN	SA	YBOR	36 16 18S 140 43 18E
BORROLOOLA	NT	YBRL	16 04 31S 136 18 08E
BRAMPTON ISLAND	QLD	YBPI	20 48 12S 149 16 12E
BRIDGEWATER	VIC	YBGR	36 37 00S 143 57 00E
CABOOLTURE	QLD	YCAB	27 04 37S 152 59 13E
CADNEY HS	SA	YCDH	27 54 24S 134 03 21E
CAIGUNA	WA	YCAG	32 16 49S 125 28 40E
CALOUNDRA	QLD	YCDR	26 48 07S 153 06 19E
CALVIN GROVE	SA	YCVG	34 41 48S 138 34 42E
CAMBRIDGE	TAS	YCBG	42 49 36S 147 28 29E
CAMDEN HAVEN	NSW	YCMH	31 39 54S 152 44 30E
CAPE LEVEQUE	WA	YCLQ	16 24 02S 122 55 53E
CAPELLA	QLD	YCEL	23 06 00S 148 00 00E
CASINO	NSW	YCAS	28 52 58S 153 04 01E
CESSNOCK	NSW	YCNK	32 47 15S 151 20 30E
CLARE VALLEY	SA	YCVA	33 42 30S 138 35 00E
CLEVEDEN	NSW	YCVD	35 09 46S 148 12 41E
CLIFTON	QLD	YCFN	27 55 42S 151 50 48E
CLUNY	QLD	YUNY	24 30 41S 139 37 02E
COBDEN	VIC	YCDE	38 19 36S 143 03 24E
COCONUT IS	QLD	YCCT	10 03 00S 143 04 00E
COHUNA	VIC	YCOH	35 49 37S 144 12 50E
COLAC	VIC	YOLA	38 17 11S 143 40 47E
COLDSTREAM	VIC	YCEM	37 43 42S 145 24 32E
COLLARENEBRI	NSW	YCBR	29 31 19S 148 34 56E
COLLINSVILLE	QLD	YCSV	20 35 46S 147 51 36E
COOINDA	NT	YCOO	12 54 10S 132 31 56E
COOLOOLA	QLD	YCXA	25 58 30S 153 00 00E
COOMINYA	QLD	YBCM	27 23 30S 152 27 42E
CRANBOURN	TAS	YCRN	41 09 41S 147 00 53E
CROOKWELL	NSW	YCRL	34 30 00S 149 27 00E
CROYDON	QLD	YCRY	18 13 03S 142 15 11E
CUE	WA	YCUE	27 26 48S 117 55 07E
CUMMINS TOWN	SA	YCMM	34 15 10S 135 42 48E
DALBY	QLD	YDAY	27 09 19S 151 16 02E
DARNLEY ISLAND	QLD	YDNI	09 34 40S 143 46 45E
DAVENPORT DOWNS	QLD	YDPD	24 08 44S 141 06 44E
DELISSAVILLE	NT	YDLV	12 33 04S 130 41 12E
DELTA DOWNS	QLD	YDLT	16 59 30S 141 19 00E
DENMARK	WA	YDEK	34 56 45S 117 23 50E
DOCKER RIVER	NT	YDVR	24 51 30S 129 07 24E
DONNINGTON AIRPARK	QLD	YDOP	19 36 06S 146 50 30E
DORUNDA	QLD	YDOR	16 33 14S 141 49 26E
DRYSDALE RIVER	WA	YDRD	15 42 47S 126 22 53E
DUNBAR	QLD	YDBR	16 03 00S 142 24 00E
DUNK IS	QLD	YDKI	17 56 30S 146 08 24E
DUNWICH	QLD	YDUN	27 31 00S 153 25 42E
DURHAM DOWNS	QLD	YDRH	27 04 30S 141 54 00E
DURRIE	QLD	YDRI	25 41 05S 140 13 24E
ECO BEACH	WA	YECB	18 19 24S 122 07 36E
EIDSVOLD	QLD	YESD	25 21 54S 151 06 30E
ELLISTON	SA	YELN	33 38 18S 134 54 00E
EMKAYTEE	NT	YMKT	12 36 36S 131 03 10E
ERNABELLA	SA	YERN	26 15 45S 132 10 54E
EROMANGA	QLD	YEMG	26 42 17S 143 15 43E
ESCOTT	QLD	YESC	17 43 41S 139 24 56E
EULO	QLD	YEUO	28 10 09S 145 02 30E
EVANS HEAD	NSW	YEVD	29 05 36S 153 25 13E
EXMOUTH	WA	YEXM	22 02 29S 114 06 08E
FEDERATION	NSW	YFDN	35 00 46S 147 22 25E
FREGON	SA	YFRG	26 46 33S 132 01 03E
GATTON AIRPARK	QLD	YGAS	27 35 24S 152 15 24E
GAWLER	SA	YGAW	34 35 55S 138 43 17E
GEORGE TOWN (TAS)	TAS	YGTO	41 04 48S 146 50 24E
GIBB RIVER	WA	YGIB	16 25 07S 126 26 46E
GILES	WA	YGLS	25 03 00S 128 18 00E
GILGANDRA	NSW	YGIL	31 41 49S 148 38 10E
GLENORMISTON	QLD	YGLO	22 53 20S 138 49 27E
GOOLWA	SA	YGWA	35 28 55S 138 45 05E
GREAT KEPPEL IS	QLD	YGKL	23 11 00S 150 56 30E
GREAT LAKES	VIC	YGRL	37 50 33S 148 00 01E
GREGORY DOWNS	QLD	YGDS	18 37 32S 139 14 01E
GUNDAROO	NSW	YGDO	35 02 42S 149 15 30E
GYMPIE	QLD	YGYM	26 16 58S 152 42 07E
HAASTS BLUFF	NT	YHAA	23 27 02S 131 51 05E
HAWKER	SA	YHAW	31 51 17S 138 28 06E
HECK FIELD	QLD	YHEC	27 46 03S 153 20 22E
HERBERTVALE CATTLEYARD	QLD	YHCS	18 57 31S 138 03 44E
HERMANNSBURG	NT	YHMB	23 55 40S 132 48 45E
HILLSTON	NSW	YHLS	33 29 37S 145 31 25E
HOLBROOK	NSW	YHBK	35 41 00S 147 19 00E
HONEYMOON	SA	YHON	31 45 12S 140 39 54E
HUNGERFORD	QLD	YHRD	28 59 46S 144 27 11E
IFFLEY	QLD	YIFY	18 54 00S 141 13 00E
ILFRACOMBE	QLD	YILF	23 29 12S 144 30 42E
INGHAM	QLD	YIGM	18 39 38S 146 09 06E

NAME	STATE	IDENT	LOCATION
INJUNE	QLD	YINJ	25 51 00S 148 33 00E
INKERMAN	QLD	YIKM	16 13 44S 141 25 33E
INNAMINCKA	SA	YINN	27 42 00S 140 44 00E
INNAMINCKA TOWNSHIP	SA	YIMT	27 44 30S 140 44 42E
ISISFORD	QLD	YISF	24 15 33S 144 25 27E
IVANHOE	NSW	YIVO	32 53 00S 144 18 36E
JAMESTOWN	SA	YJST	33 11 32S 138 36 57E
JERILDERIE	NSW	YJER	35 22 12S 145 43 30E
JERVOIS	NT	YJVS	22 54 47S 136 07 10E
JINDABYNE	NSW	YJIN	36 25 36S 148 36 06E
JUNDAH	QLD	YJDA	24 49 53S 143 03 56E
JURIEN BAY	WA	YJNB	30 18 12S 115 03 19E
KADINA	SA	YKDI	33 58 12S 137 39 36E
KAMILEROI	QLD	YKML	19 22 29S 140 03 22E
KATOOMBA	NSW	YKAT	33 40 06S 150 19 24E
KIDMAN SPRINGS	NT	YKDM	16 06 57S 130 57 12E
KIDSTON	QLD	YKID	18 52 15S 144 10 24E
KILCOY	QLD	YKCY	26 58 16S 152 33 55E
KILLARNEY	NT	YKLE	16 15 01S 131 44 49E
KIN KIN RETREAT	WA	YKKN	34 22 45S 116 19 20E
KINGS CREEK STN	NT	YKCS	24 25 13S 131 49 08E
KINGSTON SE	SA	YKIG	36 49 12S 139 52 12E
KOORALBYN	QLD	YKBN	28 05 24S 152 50 27E
KUBIN	QLD	YKUB	10 13 36S 142 13 25E
KYNETON	VIC	YKTN	37 13 32S 144 26 49E
LAKE JOHNSTON	WA	YLJN	32 19 04S 120 33 17E
LAKE KEEPIT	NSW	YKEP	30 53 24S 150 31 36E
LAKES ENTRANCE	VIC	YLKE	37 51 00S 147 57 00E
LAKESIDE AIRPARK	QLD	YLAK	20 41 06S 148 37 30E
LASSIE CREEK STATION	QLD	YLCK	19 23 48S 145 51 00E
LAWN HILL	QLD	YLAH	18 34 35S 138 35 05E
LEGUNE STN	NT	YLGU	15 13 01S 129 26 55E
LETHBRIDGE AIRPORT	VIC	YLED	37 55 08S 144 06 04E
LILYDALE	VIC	YLIL	37 41 31S 145 21 59E
LIZARD ISLAND	QLD	YLZI	14 40 22S 145 27 15E
LOCKSLEY FIELD	VIC	YLCS	36 48 54S 145 20 54E
LORRAINE	QLD	YLOR	19 00 23S 139 53 58E
LOUTH	NSW	YLOH	30 31 53S 145 07 43E
MABUIAG IS	QLD	YMAA	09 57 06S 142 11 47E
MAITLAND (SA)	SA	YMLD	34 23 34S 137 42 26E
MANSFIELD	VIC	YMFD	37 04 00S 146 07 00E
MARBLE BAR	WA	YMBL	21 09 46S 119 50 02E
MARGARET RIVER	WA	YMGT	33 55 50S 115 06 00E
MARGARET RIVER STN	WA	YMGR	18 37 17S 126 53 02E
MARREE	SA	YMRE	29 39 46S 138 03 57E
MELTON	VIC	YMEL	37 37 18S 144 33 56E
MEREENIE	NT	YMEI	23 58 36S 131 33 42E
MERREDIN	WA	YMDN	31 31 24S 118 19 14E
MILLICENT	SA	YMCT	37 35 01S 140 21 58E
MILLMERRAN	QLD	YMMN	27 51 48S 151 16 30E
MINNIPA	SA	YMPA	32 50 35S 135 08 40E
MINTABIE	SA	YMIB	27 19 42S 133 18 18E
MITCHELL	QLD	YMIT	26 29 00S 147 56 12E
MITTA MITTA	VIC	YITT	36 30 44S 147 21 22E
MITTAGONG	NSW	YMIG	34 26 54S 150 30 12E
MONKIRA	QLD	YMNK	24 49 07S 140 33 12E
MONTO	QLD	YMTO	24 53 09S 151 06 01E
MOORABERREE	QLD	YMOO	25 14 38S 140 58 38E
MORNEY	QLD	YMNY	25 21 30S 141 26 00E
MOUNT BEAUTY	VIC	YMBT	36 44 00S 147 10 00E
MOUNT BUNDEY	NT	YMDY	12 53 24S 131 54 26E
MOUNT COOLON	QLD	YMCL	21 23 13S 147 19 56E
MOUNT HOLLAND	WA	YMHL	32 07 06S 119 46 06E
MOUNT HOUSE	WA	YMHO	17 03 04S 125 42 48E
MOUNT HOWITT	QLD	YMHW	26 30 40S 142 17 00E
MOUNT SANFORD STN	NT	YMSF	16 58 42S 130 33 18E
MOURA	QLD	YMOU	24 36 42S 149 59 47E
MULLEWA	WA	YMWA	28 28 31S 115 31 03E
MUNDUBBERA	QLD	YMDA	25 35 53S 151 19 08E
MUNGINDI	NSW	YMGI	28 58 02S 149 03 13E
MUNGO LODGE	NSW	YLMU	33 44 42S 143 00 06E
MURRAY BRIDGE	SA	YMBD	35 04 00S 139 13 36E
MURRAY/MER ISLAND	QLD	YMAE	09 54 56S 144 03 19E
MURWILLUMBAH	NSW	YMUR	28 19 52S 153 24 49E
MUTTABURRA	QLD	YMTB	22 35 00S 144 32 00E
NAGAMBIE-WIRRATE	VIC	YNGW	36 47 02S 145 02 13E
NAPPA MERRIE	QLD	YNAP	27 33 30S 141 08 00E
NAREMBEEN	WA	YNRB	32 07 00S 118 25 00E
NARROGIN	WA	YNRG	32 55 48S 117 04 48E
NOOSA	QLD	YNSH	26 25 24S 153 03 48E
NORTHAM	WA	YNTM	31 37 33S 116 41 04E
NULLAGINE	WA	YNUL	21 54 46S 120 11 55E
NULLARBOR MOTEL	SA	YNUB	31 26 28S 130 54 08E
OAKY CREEK	QLD	YOAY	23 03 35S 148 29 41E
ORRORO	SA	YORR	32 47 30S 138 40 00E
PACIFIC HAVEN	QLD	YPAC	25 14 12S 152 32 36E
PAPUNYA	NT	YPAY	23 14 28S 131 54 25E
PENFIELD	VIC	YPEF	37 30 48S 144 41 54E
PETERBOROUGH	SA	YPTB	33 00 18S 138 50 54E
PHILLIP ISLAND	VIC	YPID	38 31 23S 145 19 38E
PINNAROO	SA	YPNN	35 15 12S 140 56 36E
PITTSWORTH	QLD	YPWH	27 44 00S 151 38 00E
POLO FLAT	NSW	YPFT	36 13 45S 149 08 58E
POREPUNKAH	VIC	YPOK	36 43 04S 146 53 24E
PUNGALINA	NT	YPUG	16 43 19S 137 25 16E
QUEENSTOWN	TAS	YQNS	42 04 32S 145 31 51E
QUORN	SA	YQRN	32 19 12S 138 06 06E
REDCLIFFE	QLD	YRED	27 12 24S 153 04 04E
RIDDELL	VIC	YRID	37 28 48S 144 43 06E
ROBE	SA	YRBE	37 10 35S 139 48 16E
ROBINHOOD	QLD	YROB	18 50 55S 143 42 40E
ROLLESTON	QLD	YRLL	24 27 39S 148 37 39E
ROMSEY	VIC	YRSY	37 23 30S 144 44 18E
ROSEBERTH	QLD	YRSB	25 50 00S 139 39 00E
RUTLAND PLAINS	QLD	YRTP	15 38 36S 141 50 36E
SCOTIA SANCTUARY	NSW	YSCA	33 12 18S 141 10 01E
SERPENTINE	WA	YSEN	32 23 42S 115 52 24E
SHUTE HARBOUR	QLD	YSHR	20 16 42S 148 45 20E
SINGLETON	NSW	YSGT	32 37 00S 151 12 00E
SOMERSBY	NSW	YSMB	33 22 04S 151 17 59E
SOUTH GALWAY	QLD	YSGW	25 40 29S 142 05 24E
SOUTH GRAFTON	NSW	YSGR	29 42 32S 152 55 42E
SPRING CREEK	QLD	YSPK	18 37 18S 144 34 06E
SPRINGSURE	QLD	YSPI	24 07 54S 148 05 06E
STONEFIELD GLIDING	SA	YSFG	34 20 30S 139 18 30E
STONEHENGE	QLD	YSTO	24 21 23S 143 17 29E
SURAT	QLD	YSRT	27 09 34S 149 04 34E
SWAN BAY	NSW	YSWB	29 02 57S 153 18 04E
TAMBO	QLD	YTMB	24 50 20S 146 17 35E
TANAMI	NT	YTMN	19 58 00S 129 43 32E
TARA	QLD	YTAA	27 09 24S 150 28 36E
THE LAKES	NSW	YLKS	31 42 53S 152 43 29E
THEODORE	QLD	YTDR	24 59 36S 150 05 35E
THYLUNGRA	QLD	YTHY	26 05 36S 143 27 09E
TILPA	NSW	YTLP	30 55 32S 144 25 12E
TIMBER CREEK	NT	YTBR	15 37 14S 130 26 44E
TOORADIN	VIC	YTDN	38 12 56S 145 25 25E
TOORAK RESEARCH STN	QLD	YTKS	21 02 30S 141 47 12E
TOORAWEENAH	NSW	YTWN	31 26 30S 148 54 00E
TORQUAY	VIC	YTQY	38 18 00S 144 21 54E
TOTTENHAM	NSW	YTOT	32 15 22S 147 22 08E
TRURO FLAT AIRPARK	SA	YTFA	34 23 54S 139 23 06E
TYABB	VIC	YTYA	38 16 00S 145 10 30E

NAME	STATE	IDENT	LOCATION	
TYAGARAH	NSW	YTYH	28 36 00S	153 33 10E
UNDARA	QLD	YUDA	18 11 30S	144 36 48E
URANDANGI	QLD	YUDG	21 35 40S	138 21 56E
VANROOK STN	QLD	YVRS	16 57 43S	141 57 08E
VICTORIA RIVER DOWNS	NT	YVRD	16 24 13S	131 00 09E
WAHRING FIELD	VIC	YWHG	36 40 48S	145 14 36E
WALCHA	NSW	YWCH	31 00 26S	151 33 19E
WANAARING	NSW	YWAG	29 42 42S	144 10 16E
WARIALDA	NSW	YWRL	29 32 00S	150 32 00E
WARKWORTH	NSW	YWKW	32 32 54S	151 01 27E
WARNERVALE	NSW	YWVA	33 14 25S	151 25 49E
WARRABER ISLAND	QLD	YWBS	10 12 24S	142 49 24E
WARRABRI	NT	YWBI	20 59 57S	134 23 47E
WATERLOO (NT)	NT	YWTL	16 37 51S	129 19 11E
WATTS BRIDGE	QLD	YWSG	27 05 54S	152 27 36E
WAVE HILL	NT	YWAV	17 23 37S	131 07 09E
WEDDERBURN	NSW	YWBN	34 10 48S	150 48 32E
WELLINGTON	NSW	YWEL	32 27 45S	148 59 26E
WHITE CLIFFS	NSW	YWHC	30 51 06S	143 04 19E
WILCANNIA	NSW	YWCA	31 31 35S	143 22 29E
WILLIAM CREEK	SA	YWMC	28 54 25S	136 20 28E
WONDAI	QLD	YWND	26 17 03S	151 51 41E
WONDOOLA	QLD	YWDL	18 34 30S	140 53 30E
WROTHAM PARK	QLD	YWMP	16 39 29S	144 00 03E
WYANDRA	QLD	YWYA	27 16 00S	145 59 24E
YAM ISLAND	QLD	YYMI	09 53 54S	142 46 18E
YUENDUMU	NT	YYND	22 15 15S	131 46 56E

HELICOPTER LANDING SITES LISTED IN ERSA

ENOGGERA	QLD	YENO	27 25 31S	152 59 00E
ERINA HELIPORT	NSW	YEHP	33 26 27S	151 22 07E
GARDEN ISLAND HELIPORT	WA	YGAD	32 14 30S	115 41 02E
GLENBROOK	NSW	YGNB	33 45 46S	150 38 12E
NELLY BAY	QLD	YNEY	19 09 43S	146 51 13E
NEWCASTLE REGIONAL HELIPORT	NSW	YNRH	32 52 46S	151 43 43E
RAYNER PLACE HELIPORT	NSW	YRYP	34 51 46S	148 56 02E
ROBERTSON BARRACKS	NT	YRBK	12 25 30S	130 58 24E
ROSEHILL HELIPORT	NSW	YRSH	33 49 49S	151 01 27E
ROYAL NORTH SHORE	NSW	YRNS	33 49 13S	151 11 26E
ROYAL PRINCE ALFRED HOSPITAL	NSW	YRPA	33 53 27S	151 10 59E
WATSONS BAY HELIPAD	NSW	YWTB	33 50 06S	151 16 50E
WESTMEAD HOSPITAL	NSW	YWST	33 48 18S	150 59 18E
WESTMEAD NETS BASE HOSP	NSW	YWNT	33 48 12S	150 59 24E
WOLLONGONG HELIPORT	NSW	YWHP	34 26 22S	150 53 46E
YARRA BANK	VIC	YYBK	37 49 21S	144 57 25E

NOTES

SECTION 20 – NAVIGATION AIDS

NAME	TYPE	IDENT	LOCATION	
ADELAIDE	VOR	AD	34 56 49S	138 31 28E
ADELAIDE	DME	AD	34 56 49S	138 31 28E
ADELAIDE	LOC	IAD	34 57 35S	138 30 55E
ADELAIDE	ILS	IAD	34 57 35S	138 30 55E
ADELAIDE	OM	IAD	34 53 55S	138 36 14E
ADELAIDE	MM	IAD	34 56 05S	138 33 06E
ADELAIDE	GP	IAD	34 56 37S	138 32 30E
ALBANY	DME	ABA	34 57 00S	117 48 36E
ALBANY	NDB	ABA	34 57 08S	117 48 38E
ALBANY	LOC	IAB	34 57 09S	117 49 08E
ALBANY	ILS	IAB	34 57 09S	117 49 08E
ALBANY	GP	IAB	34 56 28S	117 48 25E
ALBURY	VOR	AY	36 04 05S	146 57 58E
ALBURY	DME	AY	36 04 05S	146 57 58E
ALBURY	NDB	AY	36 04 07S	146 58 11E
ALICE SPRINGS	VOR	AS	23 47 34S	133 52 42E
ALICE SPRINGS	DME	AS	23 47 34S	133 52 42E
ALICE SPRINGS	DME	IAS	23 48 13S	133 53 43E
ALICE SPRINGS	NDB	AS	23 46 41S	133 52 25E
ALICE SPRINGS	LOC	IAS	23 48 56S	133 55 13E
ALICE SPRINGS	ILS	IAS	23 48 56S	133 55 13E
ALICE SPRINGS	OM	IAS	23 46 02S	133 49 50E
ALICE SPRINGS	MM	IAS	23 47 44S	133 52 59E
ALICE SPRINGS	GP	IAS	23 48 13S	133 53 43E
AMBERLEY	NDB	AMB	27 38 56S	152 43 25E
AMBERLEY	TAC	AMB	27 38 30S	152 42 58E
AMBERLEY	LOC	IAM	27 39 00S	152 43 04E
AMBERLEY	ILS	IAM	27 39 00S	152 43 04E
AMBERLEY	OM	IAM	27 32 21S	152 40 08E
AMBERLEY	MM	IAM	27 36 50S	152 42 09E
AMBERLEY	GP	IAM	27 37 28S	152 42 30E
ANDAMOOKA	NDB	AMK	30 27 13S	137 10 00E
ARCHERFIELD	NDB	AF	27 34 13S	153 00 58E
ARDROSSAN	VOR	ARS	34 25 00S	137 53 36E
ARGYLE	VOR	ARG	16 37 54S	128 26 56E
ARGYLE	DME	ARG	16 38 05S	128 26 51E
ARMIDALE	DME	ARM	30 31 40S	151 36 55E
ARMIDALE	NDB	ARM	30 31 38S	151 36 54E
AVALON	VOR	AV	38 02 56S	144 27 32E
AVALON	DME	IAV	38 01 50S	144 28 15E
AVALON	DME	AV	38 02 57S	144 27 33E
AVALON	LOC	IAV	38 03 34S	144 27 50E
AVALON	ILS	IAV	38 03 34S	144 27 50E
AVALON	OM	IAV	37 57 44S	144 28 48E
AVALON	MM	IAV	38 01 04S	144 28 16E
AVALON	GP	IAV	38 01 50S	144 28 15E
AYERS ROCK	DME	AYE	25 10 17S	130 58 29E
AYERS ROCK	NDB	AYE	25 10 22S	130 58 29E
BAGOT	NDB	BGT	12 24 24S	130 51 25E
BAIRNSDALE	NDB	BNS	37 52 52S	147 34 07E
BALGO HILL	NDB	BGO	20 08 09S	127 59 20E
BALLARAT	NDB	BLT	37 30 49S	143 47 26E
BALLIDU	VOR	BIU	30 35 39S	116 46 47E
BALLIDU	NDB	BIU	30 35 30S	116 46 10E
BALLINA	NDB	BNA	28 50 04S	153 33 45E
BANKSTOWN	NDB	BK	33 55 42S	150 59 19E
BARCALDINE	NDB	BAR	23 33 30S	145 17 53E
BATHURST	NDB	BTH	33 24 51S	149 39 25E
BEERMULLAH	TAC	REM	31 16 25S	115 49 45E
BENDIGO	NDB	BDG	36 44 34S	144 19 34E
BIBOOHRA	VOR	BIB	16 55 01S	145 24 43E
BINDOOK	VOR	BIK	34 10 43S	150 06 24E
BINDOOK	DME	BIK	34 10 44S	150 06 25E
BINDOOK	NDB	BIK	34 10 43S	150 06 41E
BIRDSVILLE	NDB	BDV	25 53 47S	139 21 12E
BLACKALL	NDB	BCK	24 25 34S	145 26 09E
BOLINDA	NDB	BOL	37 27 44S	144 47 54E
BORDERTOWN	VOR	BOR	36 23 34S	140 44 31E
BORROLOOLA	NDB	BRL	16 04 38S	136 18 18E
BOULIA	NDB	BOU	22 54 53S	139 54 25E
BOURKE	NDB	BKE	30 02 36S	145 56 58E
BOWEN	NDB	BWN	20 01 16S	148 12 55E
BREWARRINA	NDB	BRW	29 58 29S	146 48 42E
BRISBANE	VOR	BN	27 21 58S	153 08 21E
BRISBANE	DME	BN	27 21 57S	153 08 21E
BRISBANE	DME	IBS	27 22 40S	153 08 04E
BRISBANE	LOC	IBA	27 22 13S	153 08 13E
BRISBANE	LOC	IBS	27 24 27S	153 06 56E
BRISBANE	ILS	IBA	27 22 13S	153 08 12E
BRISBANE	ILS	IBS	27 24 46S	153 06 45E
BRISBANE	OM	IBA	27 27 27S	153 05 14E
BRISBANE	MM	IBA	27 24 36S	153 06 51E
BRISBANE	GP	IBA	27 24 03S	153 07 16E
BRISBANE	GP	IBS	27 22 40S	153 08 03E
BROKEN HILL	VOR	BHI	32 00 02S	141 28 48E
BROKEN HILL	DME	BHI	32 00 02S	141 28 47E
BROKEN HILL	NDB	BHI	31 59 31S	141 28 06E
BROMELTON	NDB	BML	27 57 58S	152 54 03E
BROOME	DME	BRM	17 56 49S	122 14 05E
BROOME	NDB	BRM	17 56 47S	122 14 07E
BRYMAROO	NDB	BMR	27 14 06S	151 37 29E
BUNDABERG	NDB	BUD	24 54 24S	152 19 13E
BURKETOWN	NDB	BKT	17 45 04S	139 31 54E
BUSSELTON	NDB	BLN	33 41 33S	115 23 43E
CAIGUNA	VOR	CAG	32 15 48S	125 29 44E
CAIGUNA	DME	CAG	32 15 49S	125 29 44E
CAIRNS	VOR	CS	16 51 00S	145 44 38E
CAIRNS	DME	CS	16 51 01S	145 44 38E
CAIRNS	DME	ICN	16 51 01S	145 44 35E
CAIRNS	NDB	CS	16 50 49S	145 44 08E
CAIRNS	LOC	ICS	16 53 36S	145 45 21E
CAIRNS	LOC	ICN	16 51 53S	145 44 35E
CAIRNS	ILS	ICS	16 53 36S	145 45 21E
CAIRNS	OM	ICS	16 48 37S	145 43 06E
CAIRNS	MM	ICS	16 51 29S	145 44 25E
CAIRNS	GP	ICS	16 52 09S	145 44 37E
CALGA	NDB	CAA	33 24 10S	151 12 41E
CAMDEN	NDB	CN	34 02 19S	150 41 30E
CAMOOWEAL	NDB	CMW	19 54 53S	138 07 01E
CANBERRA	VOR	CB	35 16 53S	149 11 45E
CANBERRA	DME	ICB	35 18 43S	149 11 47E
CANBERRA	DME	CB	35 16 53S	149 11 45E
CANBERRA	NDB	CB	35 17 44S	149 12 27E
CANBERRA	LOC	ICB	35 17 14S	149 11 40E
CANBERRA	ILS	ICB	35 17 14S	149 11 40E
CANBERRA	OM	ICB	35 22 44S	149 11 40E
CANBERRA	MM	ICB	35 19 46S	149 11 40E
CANBERRA	GP	ICB	35 18 43S	149 11 47E
CARNARVON	VOR	CAR	24 52 55S	113 40 22E
CARNARVON	DME	CAR	24 52 55S	113 40 23E
CARNARVON	NDB	CAR	24 53 12S	113 40 09E
CAVERSHAM	NDB	CVM	31 52 42S	115 58 53E
CEDUNA	NDB	CDU	32 07 36S	133 43 37E
CENTURY MINE	NDB	CNY	18 45 14S	138 42 11E
CHARLEVILLE	VOR	CV	26 25 16S	146 15 58E
CHARLEVILLE	NDB	CV	26 25 12S	146 14 56E
CHRISTMAS IS	VOR	XMX	10 25 49S	105 41 22E
CHRISTMAS IS	DME	XMX	10 25 49S	105 41 24E
CHURCH CREEK	NDB	CCK	35 27 51S	149 11 41E
CLACKLINE	NDB	CKL	31 41 03S	116 33 42E
CLERMONT	NDB	CMT	22 46 23S	147 37 30E
CLIFF HEAD OIL FIELD	NDB	CLI	29 27 01S	114 32 24E
CLONCURRY	NDB	CCY	20 39 56S	140 30 04E

NAME	TYPE	IDENT	LOCATION	
COBAR	NDB	CBA	31 32 24S	145 47 55E
COCOS (KEELING) IS	VOR	CC	12 12 02S	096 50 27E
COCOS (KEELING) IS	DME	CC	12 12 02S	096 50 28E
COCOS (KEELING) IS	NDB	CC	12 08 42S	096 49 11E
COCOS (KEELING) ISLAND	NDB	CIL	12 10 15S	096 49 16E
COEN	NDB	COE	13 45 58S	143 07 02E
COFFS HARBOUR	VOR	CFS	30 19 10S	153 07 15E
COFFS HARBOUR	DME	CFS	30 19 10S	153 07 16E
COFFS HARBOUR	NDB	CFS	30 18 44S	153 07 02E
COLLINSVILLE	VOR	CSV	20 35 29S	147 47 06E
CONDOBOLIN	NDB	CDO	33 04 13S	147 12 57E
COOBER PEDY	NDB	CBP	29 01 55S	134 43 26E
COOKTOWN	DME	CKN	15 26 55S	145 11 13E
COOKTOWN	NDB	CKN	15 26 55S	145 11 14E
COOMA	DME	COM	36 21 16S	148 57 28E
COOMA	NDB	COM	36 21 14S	148 57 27E
COONABARABRAN	NDB	CBB	31 19 48S	149 16 14E
COONAMBLE	NDB	CNM	30 58 28S	148 22 49E
COOTAMUNDRA	NDB	CTM	34 37 39S	148 01 50E
COROWA	NDB	COR	35 59 15S	146 21 26E
CORRYONG	NDB	CRG	36 08 54S	147 51 43E
COWES	VOR	CWS	38 30 28S	145 12 49E
COWES	NDB	CWS	38 31 01S	145 13 15E
COWRA	VOR	CWR	33 50 52S	148 38 44E
COWRA	NDB	CWR	33 50 42S	148 39 12E
CUNDERDIN	NDB	CUN	31 37 30S	117 13 27E
CUNNAMULLA	VOR	CMU	28 02 20S	145 37 25E
CUNNAMULLA	NDB	CMU	28 02 05S	145 37 26E
CURTIN	VOR	CIN	17 35 20S	123 51 07E
CURTIN	DME	CIN	17 35 20S	123 51 07E
CURTIN	NDB	CIN	17 34 27S	123 49 51E
CURTIN	TAC	CTN	17 34 41S	123 49 45E
DARWIN	VOR	DN	12 25 24S	130 54 23E
DARWIN	DME	DN	12 25 24S	130 54 23E
DARWIN	NDB	DN	12 25 53S	130 57 41E
DARWIN	TAC	DAR	12 24 49S	130 53 00E
DARWIN	LOC	IDN	12 24 31S	130 51 46E
DARWIN	ILS	IDN	12 24 31S	130 51 46E
DARWIN	OM	IDN	12 26 24S	130 57 17E
DARWIN	MM	IDN	12 25 20S	130 54 13E
DARWIN	GP	IDN	12 25 01S	130 53 32E
DENILIQUIN	NDB	DLQ	35 33 07S	144 57 06E
DERBY	NDB	DBY	17 21 25S	123 40 01E
DEVONPORT	VOR	DPO	41 10 12S	146 26 03E
DEVONPORT	DME	DPO	41 10 13S	146 26 03E
DEVONPORT	NDB	DPO	41 10 26S	146 25 43E
DUBBO	VOR	DU	32 13 10S	148 34 40E
DUBBO	DME	DU	32 13 11S	148 34 40E
DUBBO	NDB	DU	32 13 03S	148 33 33E
DYSART	NDB	DYS	22 35 51S	148 21 04E
EAST SALE	DME	IES	38 05 45S	147 09 33E
EAST SALE	NDB	ESL	38 06 41S	147 09 34E
EAST SALE	TAC	ESL	38 06 08S	147 09 16E
EAST SALE	LOC	IES	38 06 29S	147 08 06E
EAST SALE	ILS	IES	38 06 29S	147 08 06E
EAST SALE	GP	IES	38 05 45S	147 09 33E
ECHUCA	NDB	ECH	36 09 55S	144 45 53E
EDINBURGH	NDB	EDN	34 42 25S	138 37 54E
EDINBURGH	TAC	EDN	34 42 17S	138 36 45E
EDINBURGH	LOC	IED	34 43 11S	138 36 47E
EDINBURGH	ILS	IED	34 43 11S	138 36 47E
EDINBURGH	OM	IED	34 37 29S	138 37 49E
EDINBURGH	MM	IED	34 41 05S	138 37 10E
EDINBURGH	GP	IED	34 41 50S	138 36 57E
EILDON WEIR	VOR	ELW	37 12 23S	145 50 06E
EMERALD	NDB	EML	23 34 03S	148 10 16E
EPPING	NDB	EPP	37 40 18S	145 01 35E
ESPERANCE	VOR	ESP	33 40 50S	121 49 26E
ESPERANCE	DME	ESP	33 40 43S	121 49 18E
ESPERANCE	NDB	ESP	33 41 13S	121 49 38E
ESSENDON	NDB	EN	37 43 36S	144 54 41E
ESSENDON	LOC	IEN	37 43 53S	144 53 29E
ESSENDON	ILS	IEN	37 43 53S	144 53 29E
ESSENDON	OM	IEN	37 43 53S	144 59 46E
ESSENDON	MM	IEN	37 43 49S	144 55 36E
ESSENDON	GP	IEN	37 43 47S	144 54 38E
FITZROY CROSSING	NDB	FTZ	18 11 05S	125 33 25E
FLINDERS ISLAND	NDB	FLI	40 05 44S	148 00 53E
FORBES	NDB	FBS	33 21 51S	147 55 40E
FORREST	NDB	FRT	30 51 18S	128 05 58E
GAYNDAH	NDB	GAY	25 35 42S	151 40 23E
GEORGETOWN	NDB	GTN	18 17 40S	143 32 57E
GERALDTON	VOR	GEL	28 47 25S	114 42 22E
GERALDTON	DME	GEL	28 47 25S	114 42 22E
GERALDTON	NDB	GEL	28 47 54S	114 42 06E
GIBRALTAR	NDB	GBA	29 35 48S	152 10 41E
GINGIN	NDB	GIG	31 27 35S	115 51 56E
GLADSTONE	VOR	GLA	23 51 55S	151 12 16E
GLADSTONE	DME	IGL	23 52 01S	151 13 14E
GLADSTONE	LOC	IGL	23 52 23S	151 14 07E
GLADSTONE	ILS	IGL	23 52 23S	151 14 07E
GLADSTONE	GP	IGL	23 52 01S	151 13 14E
GLEN INNES	NDB	GLI	29 40 20S	151 41 42E
GLENFIELD	NDB	GLF	33 59 12S	150 58 35E
GOLD COAST	VOR	CG	28 10 08S	153 30 15E
GOLD COAST	DME	CG	28 10 08S	153 30 14E
GOLD COAST	NDB	CG	28 09 53S	153 30 04E
GOONDIWINDI	NDB	GDI	28 31 21S	150 19 35E
GOULBURN	NDB	GLB	34 48 26S	149 44 14E
GOVE	VOR	GV	12 15 54S	136 48 59E
GOVE	DME	GV	12 15 54S	136 48 59E
GOVE	NDB	GV	12 16 13S	136 49 28E
GRAFTON	NDB	GFN	29 45 35S	153 01 39E
GRIFFITH	VOR	GTH	34 14 58S	146 03 55E
GRIFFITH	DME	GTH	34 14 59S	146 03 55E
GRIFFITH	NDB	GTH	34 16 38S	146 03 24E
GROOTE EYLANDT	DME	GTE	13 58 31S	136 27 18E
GROOTE EYLANDT	NDB	GTE	13 58 30S	136 27 20E
GUNNEDAH	NDB	GDH	30 57 15S	150 14 54E
HALLS CREEK	NDB	HLC	18 13 59S	127 40 21E
HAMILTON	NDB	HML	37 38 57S	142 03 28E
HAMILTON ISLAND	VOR	HM	20 21 04S	148 57 21E
HAMILTON ISLAND	DME	HM	20 21 04S	148 57 21E
HAY	NDB	HAY	34 32 32S	144 49 58E
HOBART	VOR	HB	42 50 50S	147 31 36E
HOBART	DME	HB	42 50 50S	147 31 36E
HOBART	NDB	HB	42 48 44S	147 28 46E
HOBART	LOC	IHB	42 50 45S	147 31 30E
HOBART	ILS	IHB	42 50 46S	147 31 31E
HOBART	OM	IHB	42 47 10S	147 26 13E
HOBART	MM	IHB	42 48 45S	147 28 43E
HOBART	GP	IHB	42 49 49S	147 30 21E
HOLBROOK	NDB	HBK	35 37 30S	147 28 02E
HOOKER CREEK	NDB	HOO	18 19 51S	130 38 14E
HORN ISLAND	NDB	HID	10 35 31S	142 17 33E
HORSHAM	NDB	HSM	36 40 19S	142 10 05E
HOWARD SPRINGS	NDB	HWS	12 28 08S	131 02 35E
HUGHENDEN	VOR	HUG	20 48 51S	144 13 23E
HUGHENDEN	NDB	HUG	20 49 14S	144 13 45E
INNISFAIL	NDB	IFL	17 33 42S	146 00 55E
INVERELL	NDB	IVL	29 53 05S	151 08 24E
JACOBS WELL	VOR	JCW	27 45 41S	153 20 04E
JANDAKOT	NDB	JT	32 06 10S	115 53 12E
JERVOIS	NDB	JVS	22 56 57S	136 08 42E
JULIA CREEK	NDB	JLC	20 39 54S	141 43 27E
JURIEN BAY	VOR	JNB	30 18 48S	115 03 14E
KALGOORLIE	VOR	KG	30 47 23S	121 27 10E
KALGOORLIE	DME	KG	30 47 23S	121 27 11E
KALGOORLIE	NDB	KG	30 47 43S	121 27 48E
KARRATHA	VOR	KA	20 42 54S	116 46 26E
KARRATHA	DME	KA	20 42 54S	116 46 26E
KARRATHA	NDB	KA	20 42 22S	116 47 02E

NAME	TYPE	IDENT	LOCATION	
KATOOMBA	NDB	KAT	33 42 39S	150 17 59E
KEMPSEY	NDB	KMP	31 03 30S	152 47 24E
KILCOY	NDB	KCY	26 55 08S	152 34 22E
KING ISLAND	NDB	KII	39 53 21S	143 52 31E
KINGAROY	NDB	KRY	26 34 43S	151 50 40E
KINGSCOTE	NDB	KSC	35 42 33S	137 30 51E
KOWANYAMA	NDB	KOW	15 28 47S	141 44 54E
KUNUNURRA	VOR	KU	15 46 32S	128 42 31E
KUNUNURRA	DME	KU	15 46 32S	128 42 32E
KUNUNURRA	NDB	KU	15 47 02S	128 42 14E
LAKE ALBERT	NDB	LRT	35 41 17S	139 20 53E
LARAVALE	VOR	LAV	28 05 23S	152 55 29E
LATROBE VALLEY	NDB	LTV	38 12 09S	146 28 33E
LAUNCESTON	VOR	LT	41 32 38S	147 12 48E
LAUNCESTON	DME	LT	41 32 38S	147 12 47E
LAUNCESTON	NDB	LT	41 33 40S	147 13 30E
LAUNCESTON	LOC	ILT	41 32 03S	147 12 06E
LAUNCESTON	ILS	ILT	41 32 04S	147 12 07E
LAUNCESTON	OM	ILT	41 36 21S	147 15 45E
LAUNCESTON	MM	ILT	41 33 38S	147 13 30E
LAUNCESTON	GP	ILT	41 32 56S	147 12 59E
LAVERTON	NDB	LTN	28 36 44S	122 25 21E
LEARMONTH	VOR	LM	22 14 05S	114 05 39E
LEARMONTH	DME	LM	22 14 05S	114 05 38E
LEARMONTH	NDB	LM	22 14 29S	114 05 45E
LEARMONTH	TAC	LMO	22 13 28S	114 05 33E
LEIGH CREEK	VOR	LEC	30 35 47S	138 25 44E
LEIGH CREEK	NDB	LEC	30 35 55S	138 26 32E
LEINSTER	NDB	LST	27 50 26S	120 42 01E
LEONORA	NDB	LEO	28 52 44S	121 19 13E
LISMORE	NDB	LIS	28 49 23S	153 15 27E
LOCKHART RIVER	NDB	LHR	12 47 19S	143 18 14E
LONGREACH	VOR	LRE	23 25 28S	144 16 56E
LONGREACH	NDB	LRE	23 25 42S	144 17 21E
LORD HOWE ISLAND	DME	LHI	31 31 44S	159 04 21E
LORD HOWE ISLAND	NDB	LHI	31 31 44S	159 04 23E
MACKAY	VOR	MK	21 10 23S	149 11 14E
MACKAY	DME	MK	21 10 23S	149 11 15E
MACKAY	NDB	MK	21 09 44S	149 11 11E
MALENY	VOR	MLY	26 44 41S	152 45 41E
MALLACOOTA	VOR	MCO	37 35 46S	149 43 06E
MALLACOOTA	DME	MCO	37 35 57S	149 43 26E
MALLACOOTA	NDB	MCO	37 35 48S	149 43 45E
MANGALORE	VOR	MNG	36 53 09S	145 11 39E
MANGALORE	NDB	MNG	36 53 50S	145 10 52E
MANINGRIDA	NDB	MGD	12 03 46S	134 13 54E
MANJIMUP	NDB	MJM	34 15 29S	116 07 17E
MARYBOROUGH (QLD)	NDB	MYB	25 31 11S	152 42 36E
MCARTHUR RIVER MINE	NDB	MHU	16 26 46S	136 04 41E
MEEKATHARRA	VOR	MEK	26 36 25S	118 31 57E
MEEKATHARRA	DME	MEK	26 36 25S	118 31 56E
MEEKATHARRA	NDB	MEK	26 36 56S	118 32 25E
MELBOURNE	VOR	ML	37 39 36S	144 50 31E
MELBOURNE	DME	ML	37 39 36S	144 50 32E
MELBOURNE	DME	IMS	37 39 24S	144 50 01E
MELBOURNE	LOC	IMS	37 41 19S	144 50 30E
MELBOURNE	LOC	IMW	37 39 36S	144 48 36E
MELBOURNE	ILS	IMW	37 39 36S	144 48 36E
MELBOURNE	ILS	IMS	37 41 19S	144 50 30E
MELBOURNE	OM	IMW	37 40 01S	144 55 38E
MELBOURNE	OM	IMS	37 35 27S	144 49 24E
MELBOURNE	MM	IMW	37 39 46S	144 51 37E
MELBOURNE	MM	IMS	37 38 40S	144 50 00E
MELBOURNE	GP	IMW	37 39 38S	144 50 40E
MELBOURNE	GP	IMS	37 39 24S	144 50 02E
MERIMBULA	DME	MER	36 54 52S	149 53 57E
MERIMBULA	NDB	MER	36 54 51S	149 53 58E
MILDURA	VOR	MIA	34 13 36S	142 05 09E
MILDURA	DME	MIA	34 13 36S	142 05 09E
MILDURA	NDB	MIA	34 14 52S	142 04 26E
MINNIPA	NDB	MPA	32 50 36S	135 08 53E
MODBURY	NDB	MBY	34 49 56S	138 41 56E
MOOMBA	DME	OOM	28 06 15S	140 11 59E
MOOMBA	NDB	OOM	28 06 16S	140 11 57E
MOORABBIN	NDB	MB	37 58 35S	145 05 25E
MORANBAH	NDB	MRB	22 03 45S	148 04 31E
MORAWA	NDB	MRW	29 12 32S	116 01 25E
MOREE	NDB	MOR	29 29 50S	149 51 06E
MORNINGTON ISLAND	NDB	MTI	16 39 33S	139 10 13E
MORUYA	NDB	MRY	35 53 54S	150 08 34E
MOUNT GAMBIER	VOR	MTG	37 45 05S	140 47 07E
MOUNT GAMBIER	NDB	MTG	37 45 09S	140 46 44E
MOUNT HOPE	VOR	MTP	34 08 06S	135 20 23E
MOUNT HOPE	DME	MTP	34 08 06S	135 20 23E
MOUNT HOPE	NDB	MTP	34 07 32S	135 20 29E
MOUNT ISA	VOR	MA	20 39 53S	139 29 08E
MOUNT ISA	DME	MA	20 39 53S	139 29 09E
MOUNT ISA	NDB	MA	20 40 31S	139 29 12E
MOUNT KEITH	NDB	MNE	27 17 13S	120 32 55E
MOUNT LIVINGSTONE	VOR	LVG	37 08 28S	147 33 08E
MOUNT LIVINGSTONE	NDB	LVG	37 08 41S	147 32 55E
MOUNT MAGNET	NDB	MOG	28 03 51S	117 50 37E
MOUNT MCQUOID	NDB	MQD	33 06 44S	151 08 21E
MOUNT SANDON	NDB	MSO	31 23 11S	151 24 45E
MUDGEE	VOR	MDG	32 33 39S	149 35 37E
MUDGEE	NDB	MDG	32 33 55S	149 36 59E
NARACOORTE	NDB	NRC	36 58 41S	140 43 28E
NAREMBEEN	NDB	NRB	32 04 18S	118 23 42E
NARRABRI	NDB	NBR	30 19 15S	149 49 52E
NARRANDERA	VOR	NAR	34 42 07S	146 31 01E
NARRANDERA	DME	NAR	34 42 08S	146 31 01E
NARRANDERA	NDB	NAR	34 42 25S	146 30 46E
NARROMINE	NDB	NRM	32 13 23S	148 13 45E
NEWMAN	VOR	NWN	23 25 16S	119 48 11E
NEWMAN	DME	NWN	23 25 16S	119 48 11E
NEWMAN	NDB	NWN	23 25 05S	119 47 51E
NGUKURR	NDB	NGU	14 43 30S	134 44 19E
NHILL	VOR	NHL	36 18 57S	141 38 44E
NHILL	NDB	NHL	36 17 23S	141 38 38E
NILE	NDB	NIE	41 39 10S	147 18 12E
NORFOLK IS	VOR	NF	29 02 50S	167 55 56E
NORFOLK IS	DME	NF	29 02 51S	167 55 53E
NORFOLK IS	NDB	NF	29 00 26S	167 55 15E
NORMANTON	NDB	NTN	17 41 45S	141 04 23E
NORSEMAN	NDB	NSM	32 11 40S	121 47 57E
NORTH RANKIN A PLATFORM	NDB	RKA	19 35 08S	116 08 12E
NOWRA	DME	INA	34 56 15S	150 32 54E
NOWRA	NDB	NWA	34 57 04S	150 31 47E
NOWRA	TAC	NWA	34 57 00S	150 32 00E
NOWRA	LOC	INA	34 57 06S	150 31 59E
NOWRA	ILS	INA	34 57 06S	150 31 59E
NOWRA	OM	INA	34 51 55S	150 38 09E
NOWRA	GP	INA	34 56 14S	150 32 54E
NYNGAN	NDB	NYN	31 33 08S	147 11 41E
OAKEY	VOR	OK	27 23 59S	151 44 16E
OAKEY	DME	OK	27 23 59S	151 44 17E
OAKEY	NDB	OK	27 25 17S	151 44 14E
OAKEY	LOC	IOK	27 24 59S	151 44 52E
OAKEY	ILS	IOK	27 24 59S	151 44 52E
OAKEY	OM	IOK	27 21 02S	151 41 47E
OAKEY	MM	IOK	27 23 43S	151 43 53E
OAKEY	GP	IOK	27 24 15S	151 44 25E
OODNADATTA	NDB	OOD	27 33 17S	135 26 30E
ORANGE	NDB	ORG	33 22 59S	149 07 28E
OSPREY OIL PLATFORM	NDB	OSP	20 24 30S	114 51 00E
PARABURDOO	VOR	PBO	23 10 21S	117 44 13E
PARABURDOO	DME	PBO	23 10 22S	117 44 13E
PARABURDOO	NDB	PBO	23 10 44S	117 44 33E
PARAFIELD	NDB	PF	34 47 47S	138 37 52E
PARKERVILLE	NDB	PRL	31 51 34S	116 07 03E
PARKES	VOR	PKS	33 07 53S	148 14 14E

NAME	TYPE	IDENT	LOCATION	
PARKES	DME	PKS	33 07 53S	148 14 15E
PARKES	NDB	PKS	33 08 43S	148 15 09E
PEARCE	NDB	PEA	31 39 16S	116 01 08E
PEARCE	TAC	PEA	31 40 26S	116 01 03E
PEARCE	LOC	IPC	31 39 37S	116 00 48E
PEARCE	LOC	IPE	31 41 12S	116 01 01E
PEARCE	ILS	IPC	31 39 37S	116 00 48E
PEARCE	ILS	IPE	31 41 12S	116 01 01E
PEARCE	OM	IPC	31 46 24S	116 01 41E
PEARCE	OM	IPE	31 34 39S	116 00 07E
PEARCE	MM	IPC	31 41 33S	116 01 03E
PEARCE	MM	IPE	31 39 11S	116 00 45E
PEARCE	GP	IPC	31 40 52S	116 01 03E
PEARCE	GP	IPE	31 39 54S	116 00 46E
PERTH	VOR	PH	31 56 42S	115 57 33E
PERTH	DME	PH	31 56 42S	115 57 34E
PERTH	DME	IPN	31 57 22S	115 57 43E
PERTH	LOC	IPH	31 56 32S	115 57 25E
PERTH	LOC	IPN	31 55 34S	115 58 09E
PERTH	LOC	IGD	31 57 43S	115 57 32E
PERTH	ILS	IGD	31 57 42S	115 57 32E
PERTH	ILS	IPH	31 56 32S	115 57 25E
PERTH	ILS	IPN	31 55 34S	115 58 09E
PERTH	OM	IPH	31 53 46S	116 02 46E
PERTH	OM	IGD	31 51 29S	115 59 21E
PERTH	MM	IPH	31 55 36S	115 59 13E
PERTH	MM	IGD	31 55 15S	115 58 15E
PERTH	GP	IGD	31 55 53S	115 58 10E
PERTH	GP	IPH	31 56 01S	115 58 37E
PERTH	GP	IPN	31 57 22S	115 57 42E
PINGELLY	NDB	PIY	32 32 21S	117 04 28E
PLENTY	NDB	PLE	37 43 13S	145 06 41E
POINT LOOKOUT	VOR	PLO	30 29 33S	152 21 33E
POINT LOOKOUT	NDB	PLO	30 28 55S	152 23 50E
PORT AUGUSTA	NDB	PAG	32 31 35S	137 42 04E
PORT HEDLAND	VOR	PD	20 22 43S	118 37 22E
PORT HEDLAND	DME	PD	20 22 43S	118 37 22E
PORT HEDLAND	NDB	PD	20 23 16S	118 38 38E
PORT LINCOLN	NDB	PLC	34 36 16S	135 52 24E
PORT MACQUARIE	NDB	PMQ	31 26 08S	152 52 00E
PORTLAND	NDB	POD	38 18 52S	141 28 24E
PROSERPINE	VOR	PN	20 29 49S	148 33 11E
PROSERPINE	DME	PN	20 29 49S	148 33 10E
PROSERPINE	NDB	PN	20 29 21S	148 33 34E
QUIRINDI	NDB	QDI	31 29 34S	150 31 26E
RENMARK	NDB	REN	34 11 32S	140 40 33E
RICHMOND	LOC	IRI	33 36 02S	150 46 02E
RICHMOND	ILS	IRI	33 36 02S	150 46 02E
RICHMOND	OM	IRI	33 37 54S	150 53 06E
RICHMOND	MM	IRI	33 36 35S	150 48 08E
RICHMOND	GP	IRI	33 36 27S	150 47 23E
RICHMOND (NSW)	NDB	RIC	33 35 49S	150 46 35E
RICHMOND (NSW)	TAC	RIC	33 36 27S	150 47 56E
RICHMOND (QLD)	NDB	RMD	20 41 52S	143 06 36E
ROCKDALE	NDB	ROC	37 35 28S	144 49 22E
ROCKHAMPTON	VOR	RK	23 22 58S	150 28 17E
ROCKHAMPTON	DME	RK	23 22 58S	150 28 18E
ROCKHAMPTON	NDB	RK	23 22 15S	150 28 31E
ROMA	NDB	ROM	26 32 35S	148 46 54E
ROTTNEST ISLAND	NDB	RTI	32 00 15S	115 32 41E
RUGBY	NDB	RUG	34 23 12S	148 58 32E
SAINT HELENS	NDB	STH	41 20 07S	148 16 54E
SCHERGER	TAC	SGR	12 37 11S	142 05 20E
SCONE	NDB	SCO	32 02 05S	150 49 52E
SHEPPARTON	NDB	SHT	36 25 42S	145 23 46E
SIMPSONS GAP	NDB	SPG	23 43 20S	133 44 45E
SINGLETON	NDB	SGT	32 33 08S	151 15 27E
SMITHTON	NDB	SMI	40 49 59S	145 04 54E
SOUTHERN CROSS	NDB	SCR	31 13 57S	119 21 21E
ST GEORGE	NDB	SGE	28 02 50S	148 35 50E
STONEFIELD	NDB	SFL	34 23 32S	139 20 59E
STRAHAN	NDB	SRN	42 09 10S	145 17 41E
STRATHBOGIE	NDB	SBG	36 51 10S	145 44 19E
SUNSHINE COAST	VOR	SU	26 35 52S	153 05 25E
SUNSHINE COAST	DME	SU	26 35 52S	153 05 25E
SUNSHINE COAST	NDB	SU	26 35 32S	153 05 30E
SWAN HILL	NDB	SWH	35 22 50S	143 32 25E
SYDNEY	VOR	SY	33 56 34S	151 10 50E
SYDNEY	DME	IKN	33 58 06S	151 11 29E
SYDNEY	DME	ISS	33 57 15S	151 11 27E
SYDNEY	DME	ISW	33 56 23S	151 11 10E
SYDNEY	DME	SY	33 56 34S	151 10 51E
SYDNEY	DME	IKS	33 55 59S	151 10 16E
SYDNEY	DME	ISN	33 57 41S	151 10 53E
SYDNEY	DME	ISY	33 56 39S	151 10 03E
SYDNEY	LOC	ISY	33 56 13S	151 11 31E
SYDNEY	LOC	ISW	33 56 39S	151 09 43E
SYDNEY	LOC	IKS	33 58 01S	151 10 53E
SYDNEY	LOC	ISS	33 58 24S	151 11 40E
SYDNEY	LOC	IKN	33 56 51S	151 11 16E
SYDNEY	LOC	ISN	33 55 39S	151 10 16E
SYDNEY	ILS	IKS	33 58 01S	151 10 53E
SYDNEY	ILS	ISW	33 56 39S	151 09 43E
SYDNEY	ILS	ISY	33 56 13S	151 11 31E
SYDNEY	ILS	ISN	33 55 39S	151 10 16E
SYDNEY	ILS	IKN	33 56 51S	151 11 16E
SYDNEY	ILS	ISS	33 58 24S	151 11 40E
SYDNEY	OM	IKS	33 51 58S	151 09 19E
SYDNEY	OM	ISN	34 01 34S	151 11 49E
SYDNEY	OM	ISY	33 57 41S	151 05 18E
SYDNEY	MM	ISY	33 56 46S	151 09 12E
SYDNEY	MM	IKS	33 54 55S	151 10 03E
SYDNEY	GP	IKS	33 55 58S	151 10 16E
SYDNEY	GP	ISN	33 57 41S	151 10 53E
SYDNEY	GP	ISY	33 56 38S	151 10 03E
SYDNEY	GP	IKN	33 58 06S	151 11 29E
SYDNEY	GP	ISS	33 57 15S	151 11 27E
SYDNEY	GP	ISW	33 56 23S	151 11 09E
TAILEM BEND	VOR	TBD	35 14 36S	139 30 37E
TAILEM BEND	NDB	TBD	35 15 12S	139 28 00E
TAMWORTH	VOR	TW	31 03 58S	150 49 49E
TAMWORTH	DME	TW	31 03 58S	150 49 48E
TAMWORTH	NDB	TW	31 04 16S	150 49 52E
TAMWORTH	LOC	ITW	31 04 12S	150 50 09E
TAMWORTH	ILS	ITW	31 04 12S	150 50 09E
TAMWORTH	OM	ITW	31 08 45S	150 55 50E
TAMWORTH	MM	ITW	31 05 28S	150 51 43E
TAMWORTH	GP	ITW	31 04 53S	150 51 08E
TAREE	NDB	TRE	31 53 22S	152 30 34E
TAROOM	VOR	TAM	25 48 10S	149 53 47E
TAROOM	NDB	TAM	25 48 07S	149 53 31E
TEA TREE	NDB	TTR	42 41 32S	147 18 50E
TELFER	NDB	TEF	21 42 41S	122 12 48E
TEMPLE BAR	NDB	TPB	23 44 42S	133 47 20E
TENNANT CREEK	VOR	TNK	19 38 05S	134 10 55E
TENNANT CREEK	DME	TNK	19 38 05S	134 10 54E
TENNANT CREEK	NDB	TNK	19 38 39S	134 10 31E
THANGOOL	DME	TNG	24 29 38S	150 34 10E
THANGOOL	NDB	TNG	24 29 39S	150 34 12E
THARGOMINDAH	NDB	TGM	27 59 36S	143 48 54E
THE GRANITES	NDB	TGT	20 33 10S	130 19 58E
THE MONUMENT	NDB	TMO	21 48 35S	139 55 27E
TIBOOBURRA	NDB	TIB	29 26 47S	142 03 29E
TINDAL	VOR	TN	14 31 09S	132 22 16E
TINDAL	NDB	TN	14 30 57S	132 21 37E
TINDAL	TAC	TDL	14 31 24S	132 22 23E
TINDAL	LOC	ITN	14 31 59S	132 23 15E
TINDAL	ILS	ITN	14 31 59S	132 23 15E
TINDAL	OM	ITN	14 27 46S	132 19 29E
TINDAL	MM	ITN	14 30 18S	132 21 45E
TINDAL	GP	ITN	14 30 54S	132 22 12E
TOOWOOMBA	NDB	TWB	27 32 31S	151 54 43E
TOWNSVILLE	VOR	TL	19 14 39S	146 45 29E
TOWNSVILLE	DME	TL	19 14 39S	146 45 30E
TOWNSVILLE	NDB	TVL	19 14 49S	146 45 44E
TOWNSVILLE	TAC	TVL	19 16 44S	146 44 33E
TOWNSVILLE	LOC	ITL	19 14 07S	146 46 32E
TOWNSVILLE	ILS	ITL	19 14 07S	146 46 32E
TOWNSVILLE	OM	ITL	19 19 51S	146 43 50E

NAME	TYPE	IDENT	LOCATION	
TOWNSVILLE	MM	ITL	19 16 15S	146 45 31E
TOWNSVILLE	GP	ITL	19 15 19S	146 45 53E
TROUGHTON ISLAND	NDB	TTX	13 45 17S	126 08 55E
TRUSCOTT-MUNGALALU	NDB	TST	14 05 23S	126 23 12E
VICTORIA RIVER DOWNS	NDB	VRD	16 24 17S	131 00 24E
WAGGA WAGGA	VOR	WG	35 09 57S	147 28 09E
WAGGA WAGGA	DME	WG	35 09 57S	147 28 08E
WAGGA WAGGA	DME	IWG	35 09 43S	147 28 31E
WAGGA WAGGA	NDB	WG	35 09 47S	147 27 20E
WAGGA WAGGA	LOC	IWG	35 10 04S	147 27 30E
WAGGA WAGGA	ILS	IWG	35 10 04S	147 27 30E
WAGGA WAGGA	GP	IWG	35 09 42S	147 28 31E
WALGETT	VOR	WLG	30 01 43S	148 07 42E
WALGETT	NDB	WLG	30 01 38S	148 07 26E
WALLABY	NDB	WAY	23 52 27S	134 01 47E
WANGARATTA	NDB	WGT	36 25 17S	146 18 16E
WARBURTON	NDB	WBR	26 07 41S	126 34 47E
WARRACKNABEAL	NDB	WKB	36 19 10S	142 24 41E
WARRNAMBOOL	NDB	WBL	38 17 15S	142 27 13E
WEE JASPER	VOR	WJS	35 15 38S	148 40 03E
WEE JASPER	NDB	WJS	35 15 26S	148 39 37E
WEIPA	VOR	WP	12 40 25S	141 55 21E
WEIPA	DME	WP	12 40 25S	141 55 21E
WEIPA	NDB	WP	12 39 42S	141 53 56E
WEST MAITLAND	VOR	WMD	32 45 18S	151 31 55E
WEST MAITLAND	NDB	WMD	32 45 18S	151 31 58E
WEST WYALONG	NDB	WWL	33 56 08S	147 11 24E
WHYALLA	NDB	WHA	33 03 29S	137 31 27E
WILLIAMSDALE	NDB	WLE	35 33 42S	149 10 41E
WILLIAMTOWN	NDB	WLM	32 48 12S	151 49 44E
WILLIAMTOWN	TAC	WLM	32 47 49S	151 49 59E
WILLIAMTOWN	LOC	IWM	32 48 17S	151 50 49E
WILLIAMTOWN	ILS	IWM	32 48 17S	151 50 49E
WILLIAMTOWN	OM	IWM	32 43 52S	151 44 40E
WILLIAMTOWN	MM	IWM	32 46 58S	151 48 58E
WILLIAMTOWN	GP	IWM	32 47 29S	151 49 35E
WILUNA	NDB	WLU	26 37 29S	120 13 12E
WINDORAH	NDB	WDH	25 24 39S	142 39 48E
WINTON	NDB	WTN	22 21 55S	143 05 02E
WOLLONGONG	NDB	WOL	34 33 29S	150 47 28E
WONTHAGGI	VOR	WON	38 28 16S	145 37 24E
WONTHAGGI	NDB	WON	38 28 21S	145 37 28E
WOOMERA	NDB	WR	31 08 36S	136 48 30E
WYNDHAM	NDB	WYM	15 30 35S	128 09 05E
WYNYARD	VOR	WYY	40 59 57S	145 43 35E
WYNYARD	NDB	WYY	40 59 53S	145 42 30E
YARROWEE	VOR	YWE	37 44 18S	143 45 18E
YARROWEE	NDB	YWE	37 44 32S	143 45 24E
YASS	NDB	YAS	34 49 42S	149 02 32E
YOUNG	NDB	YNG	34 15 00S	148 14 46E

NOTES

SECTION 21 – IFR WAYPOINTS

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
ABARB	S 32 51 06.41	E 154 56 04.89	AMKEM	S 30 26 05.05	E 137 08 44.22	ARPOO	S 19 00 33.58	E 146 17 29.30
ABASS	S 34 35 00.19	E 150 56 36.35	AMOCO	S 24 00 00.00	E 152 12 30.00	ARRAN	S 35 50 15.24	E 147 38 21.78
ABAWA	S 34 51 01.96	E 117 33 24.36	AMSTA	S 29 12 07.35	E 167 56 23.40	ARTHA	S 37 35 51.14	E 145 15 07.91
ABAWB	S 34 45 21.95	E 117 34 33.13	ANBEL	S 37 24 31.45	E 145 07 03.39	ARTON	S 24 38 36.00	E 147 27 24.00
ABAWC	S 34 44 18.73	E 117 41 23.68	ANCOR	S 31 49 53.86	E 115 43 23.61	ASHAR	S 12 17 12.03	E 126 31 21.42
ABAWF	S 34 52 22.77	E 117 43 13.37	ANDEE	S 16 10 58.32	E 143 14 07.72	ASWAN	S 35 31 06.00	E 143 20 24.00
ABAWH	S 34 58 28.39	E 117 49 25.19	ANDIO	S 30 00 00.00	E 140 41 03.26	ATERA	S 10 49 42.00	E 140 57 28.34
ABAWI	S 34 48 52.36	E 117 38 53.16	ANDYS	S 37 36 30.00	E 145 15 24.00	ATHEL	S 34 56 00.00	E 138 44 54.00
ABAWM	S 34 55 53.18	E 117 47 33.77	ANGAS	S 25 07 58.45	E 132 26 22.18	ATILA	S 41 48 19.65	E 146 25 09.03
ABBEY	S 34 24 10.66	E 151 05 41.24	ANGIT	S 20 36 25.78	E 149 07 06.30	ATMAL	S 12 00 00.00	E 107 35 30.00
ABLOK	S 12 43 04.44	E 143 26 24.39	ANGUS	S 12 17 08.55	E 130 14 21.43	ATMAP	S 12 00 00.00	E 118 15 18.00
ABTOD	S 32 59 42.00	E 135 08 00.00	ANITA	S 32 38 23.63	E 135 44 38.74	ATNNA	S 17 07 05.01	E 145 21 59.92
ABVOM	S 29 20 37.75	E 168 10 33.01	ANJJO	S 12 56 11.29	E 125 37 32.65	ATNNC	S 17 03 02.12	E 145 24 17.18
ABVUV	S 12 31 00.00	E 129 26 00.00	ANKEL	S 27 59 01.13	E 118 27 12.46	ATNND	S 17 03 43.02	E 145 29 01.40
ACKER	S 12 01 16.14	E 132 12 18.22	ANNIE	S 27 27 27.23	E 153 05 14.22	ATNNF	S 17 10 13.48	E 145 28 00.73
ACOOL	S 30 00 00.00	E 110 00 00.00	ANNKY	S 12 19 32.71	E 131 34 47.59	ATNNH	S 17 16 57.80	E 145 31 30.56
ACTIN	S 33 30 13.33	E 138 01 33.25	ANPAT	S 26 22 46.38	E 116 46 33.09	ATNNI	S 17 06 37.81	E 145 26 08.91
ADBAT	S 29 41 02.81	E 116 14 11.54	ANSET	S 12 24 41.76	E 131 35 13.89	ATNNM	S 17 14 16.08	E 145 30 06.59
ADGET	S 27 30 25.13	E 153 19 43.19	ANSON	S 26 40 05.00	E 153 48 26.00	ATPAR	S 23 20 43.41	E 118 41 33.56
ADMAR	S 30 19 22.00	E 151 54 42.72	ANTLA	S 40 00 00.10	E 147 11 16.00	ATPIP	S 35 27 12.54	E 138 55 06.71
AGAGO	S 28 13 12.72	E 136 45 38.72	ANUPI	S 34 53 38.72	E 138 26 08.32	AUDRA	S 40 00 00.00	E 145 09 42.00
AGIVA	S 27 27 13.16	E 151 55 59.94	ANVAC	S 35 09 20.70	E 138 27 12.83	AURSA	S 13 31 19.57	E 141 51 56.81
AGREK	S 27 01 20.13	E 121 19 21.50	ANZAC	S 22 44 46.68	E 135 49 25.67	AURSB	S 13 36 00.77	E 141 48 31.34
AGSEL	S 19 55 28.47	E 109 41 00.90	APAGI	S 28 50 55.99	E 152 35 07.08	AURSC	S 13 34 27.96	E 141 42 50.96
AGTIK	S 28 40 16.90	E 124 06 10.22	APISO	S 12 00 00.00	E 147 36 23.82	AURSF	S 13 26 32.45	E 141 45 06.48
AGUST	S 13 37 43.21	E 131 12 15.02	APOMA	S 29 53 52.66	E 142 40 53.53	AURSH	S 13 18 57.75	E 141 42 22.78
AIDEN	S 23 55 58.46	E 133 51 19.50	APOVO	S 29 25 30.00	E 139 16 24.00	AURSI	S 13 31 16.62	E 141 46 48.87
AIMEE	S 12 26 07.33	E 130 56 34.12	APOVU	S 02 00 00.00	E 082 00 00.00	AURSM	S 13 21 48.27	E 141 43 24.15
AIRMA	S 29 54 43.11	E 115 00 00.00	APPLE	S 36 55 39.06	E 144 23 10.78	AUSGA	S 15 02 32.09	E 115 11 25.95
AKDAV	S 33 01 46.54	E 136 12 12.85	APUKA	S 12 00 00.01	E 144 57 39.63	AVGUS	S 28 59 00.26	E 153 29 20.04
AKDIP	S 14 29 15.10	E 108 26 33.30	APUSS	S 19 33 07.43	E 143 01 07.58	AVKAN	S 29 22 12.00	E 116 46 42.00
AKESA	S 15 49 56.86	E 111 45 42.13	ARANA	S 30 13 06.00	E 139 41 18.00	AVMON	S 25 30 03.75	E 132 24 05.25
AKKER	S 19 55 38.05	E 146 25 24.76	ARBEY	S 37 10 06.00	E 144 43 54.00	AVVND	S 37 51 18.04	E 144 37 40.95
AKLET	S 27 09 09.60	E 145 42 52.04	ARCHA	S 29 12 29.51	E 168 07 40.90	AVVNE	S 37 47 14.73	E 144 30 34.90
AKUKO	S 09 00 27.14	E 102 21 07.51	ARENI	S 26 55 50.23	E 132 35 56.98	AVVNF	S 37 55 23.02	E 144 29 12.99
ALACO	S 12 28 38.51	E 131 04 02.11	AREST	S 32 11 04.34	E 145 51 47.22	AVVNH	S 38 03 37.18	E 144 27 49.85
ALBAK	S 37 44 36.00	E 144 42 36.00	ARGND	S 16 23 20.53	E 128 27 47.96	AVVNI	S 37 52 42.22	E 144 29 40.02
ALBEE	S 19 22 41.81	E 146 08 22.30	ARGNE	S 16 21 59.73	E 128 33 36.00	AVVNM	S 38 01 38.10	E 144 28 09.92
ALDEL	S 25 28 42.96	E 118 09 31.60	ARGNF	S 16 31 20.40	E 128 29 47.51	AVVSA	S 38 11 09.83	E 144 22 20.91
ALEGO	S 10 38 25.90	E 125 08 00.75	ARGNG	S 16 26 47.75	E 128 36 53.83	AVVSB	S 38 13 05.48	E 144 26 13.84
ALEXA	S 09 17 58.48	E 126 57 24.49	ARGNH	S 16 38 24.41	E 128 27 36.29	AVVSC	S 38 12 02.03	E 144 30 37.15
ALEXI	S 35 39 00.37	E 139 04 23.10	ARGNI	S 16 26 40.07	E 128 31 41.78	AVVSF	S 38 07 14.22	E 144 27 13.24
ALICE	S 12 21 16.20	E 130 38 06.00	ARGNM	S 16 36 00.74	E 128 27 53.19	AVVSH	S 38 01 16.98	E 144 28 13.47
ALIDL	S 26 44 33.53	E 139 17 54.09	ARGON	S 14 25 06.50	E 137 57 16.63	AVVSI	S 38 09 48.91	E 144 26 47.08
ALIRA	S 18 03 45.64	E 123 48 45.91	ARGSA	S 16 53 36.11	E 128 29 45.84	AVVSM	S 38 03 16.06	E 144 27 53.41
ALISN	S 20 10 16.27	E 147 54 34.33	ARGSB	S 16 56 21.14	E 128 24 30.45	AYEEA	S 25 15 35.03	E 131 12 41.45
ALLEE	S 13 01 50.00	E 131 29 34.00	ARGSC	S 16 52 32.18	E 128 20 01.60	AYEEB	S 25 21 18.94	E 131 12 12.04
ALLOC	S 33 54 36.29	E 152 42 12.60	ARGSF	S 16 46 22.53	E 128 25 41.10	AYEEC	S 25 22 51.45	E 131 06 05.69
ALLOT	S 12 20 39.85	E 130 40 21.00	ARGSH	S 16 33 22.31	E 128 32 01.46	AYEEF	S 25 14 56.55	E 131 03 40.78
ALONE	S 27 06 00.00	E 149 53 30.00	ARGSI	S 16 51 21.84	E 128 25 05.79	AYEEH	S 25 09 50.28	E 130 56 52.41
ALORA	S 28 05 36.00	E 151 57 00.00	ARGSM	S 16 39 23.50	E 128 26 30.48	AYEEI	S 25 18 07.81	E 131 07 56.30
ALPAL	S 39 16 06.44	E 144 16 39.61	ARMEA	S 30 21 10.22	E 151 46 24.48	AYEEM	S 25 11 45.17	E 130 59 25.48
ALTIR	S 32 39 36.00	E 140 30 12.00	ARMEB	S 30 23 26.41	E 151 52 30.10	AYEWD	S 25 06 39.90	E 130 44 31.58
ALTRO	S 33 09 58.05	E 140 20 35.41	ARMEC	S 30 29 10.90	E 151 52 07.71	AYEWE	S 25 00 55.79	E 130 45 02.04
ALULU	S 21 14 26.73	E 117 20 50.91	ARMEF	S 30 28 42.83	E 151 42 39.70	AYEWF	S 25 07 19.26	E 130 53 31.38
ALVES	S 02 00 00.00	E 086 00 00.00	ARMEH	S 30 33 40.17	E 151 35 36.50	AYEWG	S 24 59 24.02	E 130 51 07.24
ALWYN	S 31 51 21.97	E 116 07 30.76	ARMEI	S 30 26 04.72	E 151 47 35.03	AYEWH	S 25 12 25.68	E 131 00 19.49
AMANA	S 31 45 27.79	E 116 37 42.95	ARMEM	S 30 31 20.69	E 151 37 44.26	AYEWI	S 25 04 07.58	E 130 49 16.60
AMBLE	S 27 17 36.00	E 153 05 42.00	ARMWD	S 30 42 16.02	E 151 27 33.89	AYEWM	S 25 10 30.81	E 130 57 46.38
AMELI	S 37 54 21.26	E 147 14 04.07	ARMWE	S 30 39 58.27	E 151 21 27.54	BAABA	S 27 26 28.55	E 153 13 22.63
AMITY	S 27 25 41.80	E 153 30 25.84	ARMWF	S 30 34 44.38	E 151 31 20.68	BABEL	S 41 42 38.23	E 146 40 12.77
AMKEA	S 30 16 57.19	E 137 19 56.82	ARMWG	S 30 34 14.34	E 151 21 52.10	BADGR	S 37 43 06.00	E 145 28 00.00
AMKEB	S 30 21 23.92	E 137 25 13.06	ARMWH	S 30 29 22.73	E 151 39 25.24	BAFEA	S 27 33 06.90	E 153 13 19.27
AMKEC	S 30 26 54.19	E 137 23 18.17	ARMWI	S 30 37 21.42	E 151 26 24.24	BAFEB	S 27 38 36.39	E 153 15 14.43
AMKEF	S 30 24 31.57	E 137 14 14.01	ARMWM	S 30 32 07.15	E 151 36 16.86	BAFEC	S 27 42 05.43	E 153 10 06.01
AMKEH	S 30 19 28.00	E 137 11 03.37	ARNTU	S 24 29 41.75	E 132 25 31.74	BAFEF	S 27 35 51.58	E 153 05 35.34
AMKEI	S 30 22 57.86	E 137 19 43.62	AROLI	S 29 07 02.77	E 146 37 02.63	BAFEH	S 27 33 24.93	E 152 57 00.86

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
BAFEI	S 27 37 04.84	E 153 09 52.68	BBNNH	S 27 25 09.60	E 153 06 31.59	BDBSI	S 25 03 14.06	E 152 25 32.93
BAFEM	S 27 34 38.32	E 153 01 18.05	BBNNI	S 27 15 41.45	E 153 11 56.13	BDBSJ	S 25 07 12.16	E 152 22 10.84
BAHBA	S 31 48 45.81	E 116 19 59.83	BBNNM	S 27 22 28.82	E 153 08 03.53	BDBSM	S 24 54 45.25	E 152 19 40.17
BAISH	S 23 54 21.48	E 134 24 35.06	BBNSD	S 27 38 33.79	E 153 04 29.31	BDGNA	S 36 31 49.68	E 144 14 25.49
BAKEL	S 27 51 58.93	E 152 35 29.19	BBNSF	S 27 27 27.23	E 153 05 14.22	BDGNC	S 36 28 41.70	E 144 20 23.26
BAKER	S 37 33 42.00	E 144 49 12.00	BBNSH	S 27 21 54.97	E 153 08 22.91	BDGND	S 36 32 08.54	E 144 26 04.70
BALAT	S 33 34 27.81	E 137 47 26.50	BBNSI	S 27 31 01.49	E 153 03 10.08	BDGNF	S 36 38 42.18	E 144 19 58.38
BALLS	S 29 47 33.58	E 147 06 18.95	BBNSM	S 27 24 35.74	E 153 06 50.94	BDGNH	S 36 46 37.97	E 144 20 36.64
BAMBI	S 26 46 54.00	E 148 06 48.00	BBNWA	S 27 14 22.15	E 152 55 41.39	BDGNI	S 36 33 41.94	E 144 20 10.83
BAMIL	S 32 05 32.07	E 116 12 44.21	BBNWB	S 27 10 38.14	E 152 59 13.16	BDGNM	S 36 43 42.41	E 144 19 45.92
BAMND	S 10 50 44.46	E 142 15 10.73	BBNWC	S 27 09 02.14	E 153 04 22.68	BDVNA	S 25 45 24.89	E 139 09 12.16
BAMNE	S 10 45 06.65	E 142 16 25.36	BBNWF	S 27 17 15.15	E 153 04 17.66	BDVNC	S 25 40 08.98	E 139 11 46.24
BAMNF	S 10 52 29.73	E 142 23 18.82	BBNWH	S 27 23 51.96	E 153 09 22.76	BDVND	S 25 40 31.89	E 139 18 06.11
BAMNG	S 10 44 20.38	E 142 22 11.88	BBNWI	S 27 13 07.04	E 153 01 07.28	BDVNF	S 25 48 43.91	E 139 17 30.17
BAMNH	S 10 58 24.05	E 142 28 49.84	BBNWM	S 27 21 23.18	E 153 07 28.28	BDVNH	S 25 55 35.69	E 139 22 05.92
BAMNI	S 10 48 48.21	E 142 19 52.04	BCGNE	S 27 54 22.53	E 153 24 33.68	BDVNI	S 25 44 26.48	E 139 14 38.10
BAMNM	S 10 56 11.19	E 142 26 45.68	BCGNF	S 28 03 56.72	E 153 27 56.04	BDVNM	S 25 53 01.29	E 139 20 22.45
BAMSA	S 11 02 41.11	E 142 39 20.60	BCGNH	S 28 11 26.26	E 153 31 07.68	BDVSE	S 26 01 44.83	E 139 32 19.69
BAMSB	S 11 08 18.96	E 142 38 06.39	BCGNI	S 27 59 09.63	E 153 26 14.78	BDVSF	S 25 58 26.21	E 139 24 00.27
BAMSC	S 11 09 05.58	E 142 32 19.49	BCGNJ	S 27 58 15.70	E 153 29 28.80	BDVSG	S 26 07 00.64	E 139 29 45.95
BAMSF	S 11 00 56.32	E 142 31 12.19	BCGNM	S 28 08 43.78	E 153 29 37.45	BDVSH	S 25 51 34.49	E 139 19 24.32
BAMSH	S 10 55 02.05	E 142 25 41.08	BCGSA	S 28 18 29.84	E 153 41 57.51	BDVSI	S 26 02 43.46	E 139 26 53.00
BAMSI	S 11 04 37.67	E 142 34 39.25	BCGSB	S 28 23 41.25	E 153 39 09.50	BDVSJ	S 26 06 37.97	E 139 23 24.24
BAMSM	S 10 57 14.92	E 142 27 45.22	BCGSC	S 28 23 53.56	E 153 31 56.87	BDVSM	S 25 54 08.90	E 139 21 07.74
BANAM	S 31 13 09.38	E 135 44 15.56	BCGSF	S 28 14 57.39	E 153 33 35.21	BEADS	S 31 36 14.04	E 153 59 36.30
BANCA	S 30 50 00.00	E 141 44 36.00	BCGSH	S 28 03 34.66	E 153 31 09.87	BEANI	S 27 29 37.80	E 152 44 55.80
BANDA	S 30 47 59.29	E 152 34 23.35	BCGSI	S 28 19 19.35	E 153 36 22.24	BEATO	S 37 32 06.00	E 144 38 42.00
BANKS	S 25 01 12.00	E 116 46 30.00	BCGSM	S 28 10 35.37	E 153 30 48.40	BEBAK	S 27 29 24.25	E 150 19 59.08
BARFF	S 31 51 48.68	E 115 41 51.86	BCKEA	S 24 18 31.29	E 145 34 19.00	BEBIM	S 10 38 39.96	E 093 50 07.54
BARGY	S 16 38 10.27	E 145 51 54.08	BCKEB	S 24 20 58.25	E 145 38 34.28	BEBOG	S 03 33 07.60	E 079 25 59.41
BARIA	S 17 12 48.02	E 146 21 47.98	BCKEC	S 24 25 28.33	E 145 37 30.90	BEBUG	S 13 00 00.00	E 115 08 48.13
BARIL	S 42 45 25.15	E 147 27 18.39	BCKEF	S 24 24 05.24	E 145 30 29.72	BECKY	S 29 06 09.81	E 167 45 38.63
BARKA	S 35 04 43.67	E 138 55 50.79	BCKEH	S 24 26 48.51	E 145 23 25.37	BEERN	S 27 25 18.40	E 153 01 52.23
BARKO	S 30 49 00.00	E 118 46 54.00	BCKEI	S 24 22 31.80	E 145 34 32.05	BEETI	S 28 03 12.00	E 147 05 18.00
BARNY	S 12 50 02.10	E 130 22 01.57	BCKEM	S 24 25 38.57	E 145 26 27.31	BEGMI	S 09 50 00.00	E 140 24 36.00
BARON	S 16 14 54.00	E 134 15 36.00	BCKWD	S 24 33 19.16	E 145 17 06.57	BEJAY	S 35 07 30.00	E 148 56 54.00
BARSA	S 23 44 44.08	E 145 18 58.26	BCKWE	S 24 30 51.60	E 145 12 51.34	BEKAM	S 32 30 36.00	E 150 58 00.00
BARSB	S 23 46 12.50	E 145 14 13.95	BCKWF	S 24 27 45.60	E 145 20 56.72	BEKID	S 27 09 10.66	E 153 01 13.48
BARSC	S 23 42 36.74	E 145 11 06.57	BCKWG	S 24 26 21.74	E 145 13 55.64	BEKIL	S 37 40 33.01	E 144 38 29.78
BARSF	S 23 38 30.37	E 145 16 41.12	BCKWH	S 24 25 02.45	E 145 28 01.17	BEKKA	S 37 48 05.56	E 144 30 26.43
BARSH	S 23 31 46.00	E 145 18 49.76	BCKWI	S 24 29 18.65	E 145 16 54.08	BELEL	S 26 28 03.85	E 117 59 28.86
BARSI	S 23 42 21.43	E 145 15 27.55	BCKWM	S 24 26 12.42	E 145 24 59.26	BELKI	S 11 41 12.49	E 128 28 00.43
BARSM	S 23 34 39.30	E 145 17 54.66	BCSNA	S 16 40 37.88	E 145 35 09.07	BELOP	S 19 00 00.00	E 125 00 00.00
BARTA	S 27 44 28.00	E 150 07 18.00	BCSNC	S 16 34 19.84	E 145 38 32.91	BENBU	S 33 11 48.00	E 149 58 54.00
BARTN	S 35 03 35.11	E 149 03 53.56	BCSND	S 16 36 03.43	E 145 44 14.70	BENDA	S 12 37 34.59	E 130 44 41.56
BASEA	S 23 49 47.61	E 134 11 04.72	BCSNF	S 16 43 54.25	E 145 41 41.39	BENJI	S 16 46 06.00	E 145 45 12.00
BASEB	S 23 56 48.41	E 134 09 55.51	BCSNH	S 16 49 04.67	E 145 46 17.95	BENKI	S 14 00 00.00	E 147 00 24.00
BASEC	S 24 01 11.71	E 134 03 50.73	BCSNI	S 16 39 07.08	E 145 40 07.04	BENTA	S 14 35 18.00	E 144 37 06.00
BASEF	S 23 51 45.61	E 134 00 29.62	BCSNM	S 16 49 38.94	E 145 43 34.40	BENZO	S 40 00 00.69	E 145 53 00.13
BASEH	S 23 40 12.00	E 133 50 00.00	BCVED	S 26 30 38.68	E 146 29 01.30	BEPNA	S 26 43 25.72	E 150 25 57.51
BASEI	S 23 54 17.09	E 134 05 12.47	BCVEE	S 26 36 16.52	E 146 27 42.03	BERNI	S 28 50 18.08	E 153 27 54.78
BASEM	S 23 49 13.99	E 133 55 46.95	BCVEF	S 26 28 56.64	E 146 20 05.14	BEROW	S 33 36 47.78	E 151 06 58.44
BASET	S 23 47 12.59	E 133 52 00.94	BCVEG	S 26 37 04.90	E 146 21 21.71	BERRY	S 35 00 12.52	E 138 51 21.47
BASIL	S 17 04 30.00	E 146 05 24.00	BCVEH	S 26 21 36.15	E 146 12 28.98	BERTI	S 27 46 54.00	E 153 11 12.00
BASWD	S 23 43 30.49	E 133 36 48.04	BCVEI	S 26 32 36.63	E 146 23 53.46	BEVLY	S 32 10 49.99	E 116 54 00.19
BASWE	S 23 39 57.51	E 133 38 32.68	BCVEM	S 26 25 16.66	E 146 16 17.16	BEYNO	S 14 08 10.23	E 133 09 10.02
BASWF	S 23 45 01.55	E 133 47 57.13	BCVWA	S 26 17 54.79	E 146 03 06.48	BEZZA	S 30 51 30.00	E 131 48 30.00
BASWG	S 23 35 34.96	E 133 44 36.26	BCVWB	S 26 12 24.78	E 146 04 59.02	BGDEC	S 22 26 29.14	E 117 29 55.56
BASWH	S 23 49 19.54	E 133 55 57.32	BCVWC	S 26 12 07.08	E 146 11 21.27	BGDED	S 22 35 52.31	E 117 30 52.91
BASWI	S 23 42 29.60	E 133 43 14.72	BCVWF	S 26 20 19.52	E 146 11 49.54	BGDEF	S 22 31 47.17	E 117 23 26.99
BASWM	S 23 47 48.53	E 133 53 07.78	BCVWH	S 26 26 39.03	E 146 17 18.56	BGDEI	S 22 31 20.42	E 117 28 33.77
BATIP	S 35 00 21.12	E 138 26 53.56	BCVWI	S 26 16 22.19	E 146 08 24.17	BGDEM	S 22 32 21.81	E 117 16 48.47
BATOP	S 23 23 46.35	E 125 41 49.71	BCVWM	S 26 24 16.66	E 146 15 15.04	BGDET	S 22 32 37.45	E 117 13 48.25
BATTS	S 13 05 32.22	E 130 55 22.77	BDBNA	S 24 46 24.82	E 152 07 48.09	BGDWA	S 22 38 21.41	E 117 02 14.24
BAXMN	S 25 34 46.42	E 118 34 27.74	BDBNC	S 24 41 06.57	E 152 10 14.60	BGDWB	S 22 28 58.20	E 117 01 18.12
BAYEE	S 12 23 45.02	E 130 49 29.92	BDBND	S 24 41 23.29	E 152 16 32.02	BGDWF	S 22 32 57.01	E 117 10 01.83
BAZIL	S 12 35 08.14	E 130 55 56.77	BDBNF	S 24 49 35.76	E 152 16 06.07	BGDWI	S 22 33 30.29	E 117 03 36.75
BAZZA	S 28 44 58.05	E 146 41 26.25	BDBNH	S 24 56 22.94	E 152 20 47.83	BGDWM	S 22 32 28.47	E 117 15 31.78
BBNEF	S 27 26 28.50	E 153 11 23.18	BDBNI	S 24 45 21.20	E 152 13 10.24	BGDWT	S 22 31 55.96	E 117 21 45.60
BBNEH	S 27 19 51.68	E 153 06 17.96	BDBNM	S 24 53 50.27	E 152 19 02.11	BGOSA	S 20 16 58.35	E 128 10 00.09
BBNEI	S 27 29 02.11	E 153 16 13.17	BDBSE	S 25 02 09.79	E 152 30 55.65	BGOSB	S 20 22 19.37	E 128 07 44.87
BBNEM	S 27 22 20.51	E 153 08 12.35	BDBSF	S 24 58 59.68	E 152 22 36.45	BGOSC	S 20 22 09.16	E 128 01 38.73
BBNNE	S 27 08 19.58	E 153 16 08.23	BDBSG	S 25 07 28.36	E 152 28 29.61	BGOSF	S 20 13 56.05	E 128 01 54.34
BBNNF	S 27 18 22.27	E 153 10 24.37	BDBSH	S 24 52 12.56	E 152 17 54.50	BGOSH	S 20 07 13.26	E 127 57 14.36

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
BGOSI	S 20 18 07.73	E 128 04 49.53	BKEWC	S 30 04 01.76	E 145 41 27.41	BMASB	S 20 55 19.79	E 139 35 42.60
BGOSM	S 20 09 44.32	E 127 58 59.30	BKEWF	S 30 05 07.41	E 145 50 49.13	BMASC	S 20 54 03.70	E 139 29 43.92
BHIEA	S 31 49 08.56	E 141 37 32.06	BKEWH	S 30 01 26.15	E 145 59 00.28	BMASF	S 20 46 02.62	E 139 31 39.57
BHIEB	S 31 51 11.38	E 141 43 49.56	BKEWI	S 30 07 25.43	E 145 45 41.85	BMASH	S 20 38 36.80	E 139 28 25.51
BHIEC	S 31 56 56.22	E 141 43 43.67	BKEWM	S 30 02 49.18	E 145 55 56.17	BMASI	S 20 50 41.22	E 139 33 41.02
BHIEF	S 31 56 48.86	E 141 34 06.24	BKTSA	S 17 57 24.58	E 139 27 08.37	BMASM	S 20 41 23.99	E 139 29 38.25
BHIEH	S 32 01 18.75	E 141 26 19.08	BKTSB	S 17 56 42.97	E 139 21 09.85	BMKNA	S 21 02 08.78	E 148 59 33.70
BHIEI	S 31 54 00.12	E 141 38 57.97	BKTSC	S 17 51 06.55	E 139 19 48.28	BMKNC	S 20 56 50.32	E 149 01 55.96
BHIEM	S 31 59 37.60	E 141 29 14.35	BKTSF	S 17 49 14.81	E 139 28 10.23	BMKNF	S 21 05 19.42	E 149 07 38.28
BHIWD	S 32 11 10.13	E 141 19 04.99	BKTSH	S 17 43 16.09	E 139 33 46.13	BMKNH	S 21 12 06.45	E 149 12 12.58
BHIWE	S 32 09 07.08	E 141 12 46.23	BKTSI	S 17 52 58.92	E 139 24 40.11	BMKNI	S 21 01 04.90	E 149 04 47.04
BHIWF	S 32 03 30.09	E 141 22 31.23	BKTSM	S 17 45 30.63	E 139 31 40.21	BMKNK	S 20 58 40.17	E 149 08 51.00
BHIWG	S 32 03 22.26	E 141 12 52.82	BLACK	S 34 46 35.73	E 139 24 43.87	BMKNM	S 21 09 33.75	E 149 10 29.61
BHIWH	S 31 59 00.40	E 141 30 18.74	BLAED	S 36 29 23.08	E 146 16 22.53	BMKSE	S 21 18 19.80	E 149 22 21.98
BHIWI	S 32 06 18.58	E 141 17 38.81	BLAEE	S 36 34 19.01	E 146 20 00.07	BMKSF	S 21 15 09.96	E 149 14 16.42
BHIWM	S 32 00 41.59	E 141 27 23.51	BLAEF	S 36 33 33.92	E 146 07 37.36	BMKSG	S 21 23 38.50	E 149 20 00.21
BHMNA	S 20 13 56.30	E 148 43 28.71	BLAEG	S 36 38 45.99	E 146 15 28.77	BMKSH	S 21 05 02.86	E 149 14 54.03
BHMNC	S 20 08 19.66	E 148 44 50.72	BLAEH	S 36 32 47.56	E 145 55 14.89	BMKSI	S 21 19 24.26	E 149 17 08.23
BHMND	S 20 07 37.16	E 148 50 53.67	BLAEI	S 36 33 56.63	E 146 13 48.68	BMKSJ	S 21 23 22.55	E 149 13 51.93
BHMNF	S 20 15 46.68	E 148 51 58.16	BLAEM	S 36 33 10.90	E 146 01 26.09	BMKSM	S 21 10 55.71	E 149 11 24.86
BHMNH	S 20 23 13.58	E 148 59 06.49	BLAFF	S 32 37 35.45	E 151 35 56.88	BMKST	S 21 07 32.80	E 149 09 08.10
BHMNI	S 20 12 03.21	E 148 48 24.35	BLAIR	S 11 34 53.23	E 131 57 52.12	BN01R	S 27 22 17.47	E 153 08 10.08
BHMNM	S 20 19 29.96	E 148 55 32.03	BLAKA	S 28 12 00.00	E 153 13 18.00	BNAEA	S 28 42 06.58	E 153 43 49.17
BHMSE	S 20 28 15.01	E 149 11 27.94	BLIGH	S 28 02 12.00	E 116 04 00.00	BNAEB	S 28 46 20.55	E 153 47 37.00
BHMSF	S 20 27 07.98	E 149 02 49.46	BLITZ	S 26 52 52.00	E 153 35 44.00	BNAEC	S 28 51 43.30	E 153 47 03.36
BHMSG	S 20 33 57.16	E 149 10 38.28	BLNND	S 33 27 57.27	E 115 25 29.38	BNAEF	S 28 48 20.86	E 153 39 58.85
BHMSH	S 20 20 18.18	E 148 55 01.10	BLNNE	S 33 27 00.84	E 115 32 15.18	BNAEH	S 28 50 37.87	E 153 31 14.78
BHMSI	S 20 30 32.63	E 149 06 43.78	BLNNF	S 33 36 03.12	E 115 27 05.51	BNAEI	S 28 46 54.95	E 153 45 26.19
BHMSJ	S 20 35 10.12	E 149 04 39.84	BLNNG	S 33 32 01.02	E 115 35 37.60	BNAEM	S 28 49 46.55	E 153 34 31.35
BHMSM	S 20 23 43.34	E 148 58 55.43	BLNNH	S 33 43 16.91	E 115 22 57.33	BNAWE	S 28 55 35.18	E 153 17 05.22
BIBRA	S 32 06 33.20	E 115 48 34.28	BLNNI	S 33 31 31.98	E 115 29 40.41	BNAWF	S 28 52 17.36	E 153 26 37.90
BICKL	S 26 39 27.31	E 153 15 50.13	BLNNM	S 33 40 34.26	E 115 24 30.48	BNAWG	S 28 48 29.95	E 153 17 06.57
BIDAG	S 18 19 03.48	E 143 15 46.76	BLNSA	S 33 54 32.92	E 115 22 44.97	BNAWH	S 28 49 20.94	E 153 35 06.44
BIDAP	S 24 24 04.55	E 123 14 44.32	BLNSB	S 33 55 29.41	E 115 15 57.03	BNAWI	S 28 53 45.36	E 153 22 23.45
BIDGI	S 35 31 48.00	E 149 08 42.00	BLNSF	S 33 46 27.29	E 115 21 08.18	BNAWM	S 28 50 27.16	E 153 31 55.79
BIENA	S 24 12 56.43	E 139 15 39.01	BLNSH	S 33 39 13.55	E 115 25 16.64	BNSEA	S 37 40 48.87	E 147 44 11.43
BIENC	S 24 07 33.97	E 139 17 54.03	BLNSI	S 33 50 58.35	E 115 18 32.67	BNSEB	S 37 43 10.72	E 147 52 20.20
BIEND	S 24 07 39.90	E 139 24 09.98	BLNSM	S 33 41 56.22	E 115 23 43.55	BNSEC	S 37 50 04.17	E 147 52 19.98
BIENF	S 24 15 53.04	E 139 24 00.92	BLTND	S 37 18 12.09	E 143 40 27.51	BNSEF	S 37 50 03.59	E 147 39 55.77
BIENH	S 24 22 32.11	E 139 28 55.01	BLTNE	S 37 14 25.38	E 143 45 51.94	BNSEH	S 37 57 50.27	E 147 33 31.30
BIENI	S 24 11 43.53	E 139 20 57.38	BLTNF	S 37 24 22.30	E 143 47 13.31	BNSEI	S 37 46 37.16	E 147 46 08.13
BIENM	S 24 20 02.48	E 139 27 04.67	BLTNG	S 37 17 11.09	E 143 52 09.62	BNSEM	S 37 52 55.59	E 147 34 45.23
BIESE	S 24 28 25.27	E 139 39 28.80	BLTNH	S 37 32 18.83	E 143 47 19.69	BOATS	S 27 12 26.00	E 153 17 22.00
BIESF	S 24 25 29.07	E 139 31 05.59	BLTNI	S 37 19 23.81	E 143 46 32.57	BOBBO	S 27 20 49.77	E 151 51 58.68
BIESG	S 24 33 47.60	E 139 37 14.18	BLTNM	S 37 29 20.79	E 143 47 54.17	BOBEL	S 37 34 00.63	E 144 54 52.15
BIESH	S 24 18 50.05	E 139 26 11.30	BLTSA	S 37 43 34.74	E 143 51 27.55	BOBET	S 29 00 46.14	E 124 42 09.00
BIESI	S 24 29 38.37	E 139 34 09.79	BLTSB	S 37 44 25.20	E 143 45 20.88	BOBIK	S 14 18 06.00	E 134 04 24.00
BIESJ	S 24 33 41.93	E 139 30 56.55	BLTSC	S 37 42 20.92	E 143 39 43.42	BOBOP	S 28 55 53.94	E 151 40 50.29
BIESM	S 24 21 19.70	E 139 28 01.60	BLTSF	S 37 36 18.50	E 143 46 41.66	BOCKY	S 34 55 01.49	E 138 21 32.32
BIGAK	S 29 39 12.00	E 113 08 30.00	BLTSH	S 37 28 22.21	E 143 48 00.45	BODDI	S 30 28 12.72	E 115 00 00.00
BIGAL	S 34 45 40.11	E 138 11 16.94	BLTSI	S 37 41 16.18	E 143 45 52.30	BODEG	S 20 07 37.09	E 163 00 00.00
BIGUP	S 18 55 31.55	E 123 19 46.72	BLTSM	S 37 31 20.82	E 143 47 30.93	BOFOR	S 14 14 00.00	E 133 07 30.00
BIKER	S 20 43 55.59	E 136 14 02.20	BLUNA	S 27 23 43.29	E 120 32 09.78	BOGAL	S 33 35 53.00	E 137 43 37.42
BILBI	S 27 10 38.14	E 152 59 13.16	BLUNC	S 27 21 01.78	E 120 37 51.41	BOGGY	S 38 26 09.18	E 147 09 42.07
BILBY	S 30 42 30.54	E 154 52 33.98	BLUND	S 27 24 52.95	E 120 42 38.47	BOING	S 22 14 24.00	E 127 15 02.00
BILIN	S 29 53 42.00	E 136 12 12.00	BLUNF	S 27 30 58.88	E 120 36 28.32	BOKED	S 37 31 40.40	E 158 11 09.86
BILLY	S 28 52 24.00	E 136 12 36.00	BLUNH	S 27 31 36.72	E 120 30 28.67	BOLTY	S 37 49 30.51	E 144 56 35.52
BIMBY	S 29 46 50.63	E 118 14 27.14	BLUNI	S 27 26 00.33	E 120 37 09.89	BONES	S 16 10 43.37	E 132 37 41.05
BINOG	S 13 20 00.00	E 118 40 00.00	BLUNM	S 27 35 57.42	E 120 35 46.68	BONEY	S 27 48 30.00	E 155 54 30.00
BINTH	S 24 38 42.98	E 114 44 06.59	BLUSE	S 27 49 32.00	E 120 39 13.14	BONGO	S 28 05 00.00	E 150 20 00.00
BIRDY	S 12 55 49.32	E 130 27 37.99	BLUSF	S 27 42 16.63	E 120 34 53.71	BONGS	S 28 00 00.00	E 110 00 00.00
BISON	S 37 43 12.00	E 144 36 12.00	BLUSG	S 27 52 13.57	E 120 33 30.08	BONNI	S 30 21 12.00	E 150 22 54.00
BITAN	S 19 22 04.31	E 108 40 17.25	BLUSH	S 27 38 54.00	E 120 25 02.75	BOODA	S 29 05 21.85	E 168 01 31.36
BITES	S 12 22 35.09	E 131 01 53.10	BLUSI	S 27 47 15.05	E 120 34 11.02	BOOEY	S 30 18 44.48	E 140 16 09.30
BITON	S 35 01 12.89	E 138 25 38.25	BLUSJ	S 27 48 22.09	E 120 28 42.15	BOOGI	S 34 01 21.39	E 151 00 16.34
BKEED	S 29 52 31.58	E 146 06 58.72	BLUSM	S 27 37 17.99	E 120 35 35.42	BOOIN	S 27 22 44.93	E 153 15 48.01
BKEEE	S 29 55 10.95	E 146 12 49.40	BMAND	S 20 26 35.72	E 139 24 34.69	BOOKA	S 32 01 14.71	E 116 39 32.57
BKEEF	S 29 59 48.47	E 146 02 36.62	BMANE	S 20 23 31.37	E 139 29 44.55	BOOMA	S 20 00 00.00	E 150 41 12.00
BKEEG	S 30 00 53.32	E 146 11 57.47	BMANF	S 20 33 32.91	E 139 29 14.13	BORAH	S 21 57 13.32	E 119 13 30.89
BKEEH	S 30 03 29.92	E 145 54 25.71	BMANG	S 20 27 02.68	E 139 34 34.42	BORAT	S 20 36 55.25	E 116 04 38.54
BKEEI	S 29 57 29.81	E 146 07 43.13	BMANH	S 20 41 28.11	E 139 29 48.81	BORDA	S 26 45 35.81	E 153 02 44.29
BKEEM	S 30 02 06.94	E 145 57 29.87	BMANI	S 20 28 32.14	E 139 29 29.34	BOREE	S 33 14 14.23	E 151 02 38.38
BKEWA	S 30 12 23.65	E 145 46 26.36	BMANM	S 20 38 33.67	E 139 28 58.89	BOSLI	S 31 16 07.64	E 117 31 40.65
BKEWB	S 30 09 43.26	E 145 40 34.33	BMASA	S 20 50 29.21	E 139 39 01.06	BOSUN	S 32 31 37.01	E 150 43 05.53

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
BOUND	S 22 46 27.86	E 139 42 54.57	BRONS	S 38 09 12.00	E 146 06 06.00	BTLNM	S 19 13 35.98	E 146 46 46.79
BOUNE	S 22 41 13.86	E 139 45 29.88	BRONY	S 37 56 21.60	E 147 12 01.20	BTLWA	S 19 23 46.24	E 146 32 24.54
BOUNF	S 22 49 53.34	E 139 50 58.01	BROOK	S 32 12 49.01	E 116 27 19.54	BTLWB	S 19 20 08.56	E 146 27 41.88
BOUNG	S 22 41 41.64	E 139 51 40.67	BRUCE	S 23 05 54.00	E 115 02 00.00	BTLWC	S 19 14 15.05	E 146 30 28.13
BOUNH	S 22 56 48.77	E 139 55 21.02	BRUKA	S 35 00 18.47	E 138 55 26.26	BTLWF	S 19 17 22.97	E 146 37 51.85
BOUNI	S 22 45 33.62	E 139 48 13.86	BRWNA	S 29 45 44.08	E 146 52 44.53	BTLWH	S 19 08 03.69	E 146 44 31.33
BOUNM	S 22 54 13.00	E 139 53 42.34	BRWNC	S 29 45 47.59	E 146 59 19.63	BTLWI	S 19 18 45.84	E 146 32 46.91
BOUSA	S 23 03 01.56	E 140 05 11.94	BRWND	S 29 51 13.11	E 147 01 31.47	BTLWM	S 19 15 43.35	E 146 43 57.67
BOUSB	S 23 08 15.49	E 140 02 36.89	BRWNF	S 29 53 56.90	E 146 52 38.49	BTRSA	S 23 48 00.22	E 148 41 43.86
BOUSC	S 23 07 47.89	E 139 56 24.55	BRWNH	S 30 00 28.10	E 146 47 16.79	BTRSB	S 23 51 49.22	E 148 46 24.78
BOUSF	S 22 59 36.43	E 139 57 07.30	BRWNI	S 29 49 52.29	E 146 55 59.20	BTRSC	S 23 49 04.54	E 148 51 54.70
BOUSH	S 22 52 41.03	E 139 52 44.12	BRWNM	S 29 58 01.43	E 146 49 17.51	BTRSF	S 23 41 51.15	E 148 47 39.13
BOUSI	S 23 03 55.99	E 139 59 52.01	BRYED	S 22 39 10.75	E 119 24 22.35	BTRSH	S 23 33 52.68	E 148 48 38.56
BOUSM	S 22 55 16.82	E 139 54 22.76	BRYEE	S 22 44 35.22	E 119 26 29.75	BTRSI	S 23 46 50.19	E 148 47 01.98
BOWLY	S 20 43 12.00	E 145 53 18.00	BRYEF	S 22 41 59.30	E 119 16 02.89	BTRSM	S 23 36 52.11	E 148 48 16.29
BOXER	S 22 06 18.51	E 146 18 49.51	BRYEG	S 22 48 17.23	E 119 21 44.52	BUDGI	S 23 46 15.83	E 150 30 16.85
BOYDI	S 18 47 44.30	E 132 31 18.45	BRYEH	S 22 48 59.01	E 119 09 14.16	BUDNA	S 24 46 08.45	E 152 07 36.66
BOYSE	S 37 18 09.23	E 145 40 10.05	BRYEI	S 22 43 17.34	E 119 21 16.27	BUDNC	S 24 40 50.22	E 152 10 03.07
BOYSY	S 33 24 04.61	E 150 32 59.62	BRYEM	S 22 40 41.08	E 119 10 49.61	BUDND	S 24 41 06.86	E 152 16 20.53
BPNEA	S 20 30 41.36	E 148 47 41.99	BRYWA	S 22 41 44.83	E 118 55 35.43	BUDNF	S 24 49 19.35	E 152 15 54.64
BPNEB	S 20 36 20.87	E 148 48 49.45	BRYWB	S 22 36 19.95	E 118 53 29.29	BUDNH	S 24 57 48.24	E 152 21 46.99
BPNEC	S 20 39 16.64	E 148 43 33.60	BRYWC	S 22 32 38.77	E 118 58 14.86	BUDNI	S 24 45 04.81	E 152 12 58.75
BPNEF	S 20 32 11.85	E 148 39 07.23	BRYWF	S 22 38 57.34	E 119 03 55.29	BUDNM	S 24 53 33.82	E 152 18 50.72
BPNEH	S 20 28 52.26	E 148 31 21.88	BRYWH	S 22 31 57.85	E 119 10 43.80	BUGBA	S 43 48 56.19	E 163 00 00.00
BPNEI	S 20 34 16.43	E 148 43 58.28	BRYWI	S 22 37 38.73	E 118 58 42.24	BUIYA	S 26 00 00.00	E 110 00 00.00
BPNEM	S 20 30 07.19	E 148 34 16.44	BRYWM	S 22 40 15.78	E 119 09 08.44	BULGI	S 29 00 03.23	E 119 40 14.59
BPNWE	S 20 19 31.84	E 148 19 36.96	BSMSA	S 19 58 38.01	E 150 19 50.76	BULLA	S 37 04 40.09	E 146 20 49.62
BPNWF	S 20 25 55.29	E 148 27 49.43	BSMSB	S 19 59 25.15	E 150 12 23.07	BULOK	S 17 35 49.74	E 144 22 36.89
BPNWG	S 20 17 59.86	E 148 25 29.86	BSMSC	S 19 52 21.89	E 150 11 33.40	BUNDY	S 13 19 25.28	E 131 55 00.06
BPNWH	S 20 31 40.08	E 148 35 13.28	BSMSF	S 19 51 34.78	E 150 19 00.77	BUNEA	S 33 12 58.71	E 115 51 10.10
BPNWI	S 20 22 43.59	E 148 23 43.08	BSMSH	S 19 47 57.91	E 150 25 27.00	BUNEB	S 33 15 41.51	E 115 57 11.92
BPNWM	S 20 29 06.88	E 148 31 55.94	BSMSI	S 19 55 30.00	E 150 15 42.00	BUNEC	S 33 21 22.93	E 115 56 13.73
BRADD	S 31 14 10.03	E 151 02 38.72	BSMSM	S 19 43 57.00	E 150 25 27.00	BUNEF	S 33 20 12.73	E 115 46 32.86
BRAKI	S 34 57 24.76	E 138 56 46.51	BSUNA	S 26 22 21.94	E 153 07 35.90	BUNEH	S 33 26 01.60	E 115 46 30.73
BRAND	S 18 01 02.87	E 122 05 38.05	BSUNC	S 26 21 45.37	E 153 13 57.06	BUNEI	S 33 17 57.33	E 115 51 52.52
BREAM	S 27 00 03.05	E 155 54 46.04	BSUND	S 26 26 55.41	E 153 16 45.84	BUNEM	S 33 22 27.91	E 115 41 13.09
BRIAN	S 21 00 16.18	E 120 16 13.71	BSUNF	S 26 30 32.31	E 153 08 33.73	BUNET	S 33 23 48.96	E 115 38 01.00
BRIDE	S 23 11 24.00	E 142 08 30.00	BSUNH	S 26 40 46.93	E 153 11 13.14	BUNGL	S 30 20 17.29	E 119 31 39.42
BRIGG	S 31 44 57.24	E 114 54 28.49	BSUNI	S 26 26 08.87	E 153 11 15.50	BUNGO	S 34 53 31.11	E 149 51 20.13
BRKNA	S 23 12 34.22	E 150 18 27.96	BSUNM	S 26 34 55.58	E 153 05 51.83	BUNGY	S 37 29 06.00	E 138 19 48.00
BRKNC	S 23 07 43.85	E 150 21 49.71	BTHNA	S 33 12 22.85	E 149 32 30.40	BUNKY	S 37 20 00.00	E 144 46 00.00
BRKND	S 23 08 59.63	E 150 27 53.82	BTHNC	S 33 11 45.35	E 149 43 40.84	BUNNY	S 27 32 48.56	E 127 12 12.95
BRKNF	S 23 17 00.55	E 150 25 56.81	BTHND	S 33 08 46.89	E 149 37 50.08	BURCH	S 29 02 30.00	E 149 02 42.00
BRKNH	S 23 24 25.79	E 150 29 14.83	BTHNF	S 33 18 46.71	E 149 38 37.49	BURGU	S 32 58 11.48	E 118 39 19.71
BRKNI	S 23 12 22.21	E 150 23 53.20	BTHNH	S 33 26 46.55	E 149 39 15.55	BURKE	S 27 02 00.00	E 115 41 24.00
BRKNM	S 23 21 38.74	E 150 28 00.50	BTHNI	S 33 13 46.80	E 149 38 13.76	BURLA	S 21 42 44.31	E 137 58 49.21
BRKSE	S 23 32 45.48	E 150 38 29.14	BTHNM	S 33 23 46.61	E 149 39 01.26	BURLI	S 28 11 32.89	E 153 36 02.10
BRKSF	S 23 28 19.65	E 150 30 58.98	BTHSE	S 33 36 21.43	E 149 45 39.59	BURPA	S 27 04 23.04	E 152 57 32.69
BRKSG	S 23 37 36.20	E 150 35 07.24	BTHSF	S 33 29 58.20	E 149 39 30.60	BURRA	S 37 00 31.04	E 143 03 11.15
BRKSH	S 23 19 02.75	E 150 26 51.12	BTHSG	S 33 39 57.60	E 149 40 18.60	BURTO	S 23 07 12.00	E 146 36 54.00
BRKSI	S 23 32 57.93	E 150 33 03.04	BTHSH	S 33 21 58.05	E 149 38 52.65	BUTON	S 21 24 48.00	E 118 05 06.00
BRKSJ	S 23 36 20.58	E 150 29 01.75	BTHSI	S 33 34 57.60	E 149 39 54.60	BUTPA	S 08 32 48.00	E 129 39 54.00
BRKSM	S 23 23 41.48	E 150 28 55.11	BTHSJ	S 33 36 58.80	E 149 34 25.80	BUVIV	S 37 25 48.56	E 145 00 15.94
BRMEA	S 17 55 44.36	E 122 27 36.22	BTHSM	S 33 24 57.99	E 149 39 06.92	BWNED	S 19 49 43.52	E 148 21 30.41
BRMEB	S 18 01 10.06	E 122 29 36.72	BTINA	S 11 37 29.33	E 130 26 28.94	BWNEE	S 19 51 47.88	E 148 27 11.01
BRMEC	S 18 04 49.78	E 122 24 57.97	BTINC	S 11 32 15.82	E 130 28 56.86	BWNEF	S 19 57 23.72	E 148 18 22.43
BRMEF	S 17 58 28.97	E 122 19 30.11	BTIND	S 11 32 45.55	E 130 34 46.06	BWNEG	S 19 57 33.27	E 148 27 04.10
BRMEH	S 17 56 20.03	E 122 11 24.96	BTINF	S 11 40 57.50	E 130 34 03.05	BWNEH	S 20 01 19.49	E 148 10 26.83
BRMEI	S 17 59 49.51	E 122 24 33.40	BTINH	S 11 47 54.77	E 130 38 08.23	BWNEI	S 19 54 35.85	E 148 22 46.89
BRMEM	S 17 57 08.42	E 122 14 26.87	BTINI	S 11 36 36.67	E 130 31 29.92	BWNEM	S 20 00 11.44	E 148 13 57.90
BRMHA	S 17 51 51.66	E 122 21 19.63	BTINM	S 11 45 18.30	E 130 36 36.26	BWNSA	S 20 12 55.90	E 148 06 22.64
BRMHB	S 17 53 57.37	E 122 24 11.80	BTISE	S 11 54 34.94	E 130 47 35.90	BWNSB	S 20 11 36.90	E 148 00 26.42
BRMHC	S 17 57 15.27	E 122 23 07.32	BTISF	S 11 51 06.94	E 130 40 01.22	BWNSC	S 20 05 53.86	E 147 59 43.36
BRMHF	S 17 55 47.05	E 122 18 12.05	BTISG	S 11 59 48.42	E 130 45 08.09	BWNSF	S 20 04 55.60	E 148 08 21.91
BRMHI	S 17 54 52.23	E 122 21 11.94	BTISH	S 11 44 09.69	E 130 35 55.96	BWNSH	S 20 05 19.15	E 148 15 51.97
BRMHM	S 17 56 41.82	E 122 15 12.13	BTISI	S 11 55 27.69	E 130 42 34.61	BWNSI	S 20 08 16.29	E 148 04 24.25
BRMWD	S 17 58 05.73	E 121 59 38.57	BTISJ	S 11 59 18.77	E 130 39 18.16	BWNSM	S 20 01 34.81	E 148 12 19.40
BRMWE	S 17 52 39.93	E 121 57 38.38	BTISM	S 11 46 46.17	E 130 37 27.91	BWPEA	S 12 43 45.97	E 142 08 33.65
BRMWF	S 17 55 21.34	E 122 07 44.57	BTLND	S 19 00 20.25	E 146 49 57.84	BWPEB	S 12 49 31.48	E 142 08 38.45
BRMWG	S 17 49 00.36	E 122 02 16.95	BTLNE	S 19 00 08.91	E 146 56 00.85	BWPEC	S 12 51 34.10	E 142 03 08.93
BRMWH	S 17 57 30.41	E 122 15 49.64	BTLNF	S 19 08 33.38	E 146 50 14.74	BWPEF	S 12 43 52.56	E 142 00 10.71
BRMWI	S 17 54 00.64	E 122 02 41.46	BTLNG	S 19 05 29.45	E 146 58 16.38	BWPEH	S 12 39 55.16	E 141 54 15.51
BRMWM	S 17 56 42.05	E 122 12 47.71	BTLNH	S 19 13 26.10	E 146 38 19.63	BWPEI	S 12 46 42.05	E 142 04 24.53
BROAD	S 42 31 54.00	E 146 28 48.00	BTLNI	S 19 04 21.17	E 146 53 07.86	BWPEM	S 12 41 03.00	E 141 55 56.98

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
BWPWD	S 12 37 06.44	E 141 41 31.33	CB507	S 35 15 57.53	E 149 11 40.01	CCASA	S 26 52 56.02	E 150 49 25.65
BWPWE	S 12 31 20.65	E 141 41 26.93	CB510	S 35 14 12.04	E 149 12 35.93	CCASB	S 26 58 25.81	E 150 47 32.13
BWPWF	S 12 37 00.14	E 141 49 53.86	CB520	S 35 13 09.42	E 149 13 27.42	CCASC	S 26 58 42.80	E 150 41 07.39
BWPWG	S 12 29 18.37	E 141 46 55.86	CB547	S 35 22 44.05	E 149 11 26.42	CCASF	S 26 50 30.49	E 150 40 40.57
BWPWH	S 12 41 31.53	E 141 56 39.68	CB551	S 35 23 44.92	E 149 11 13.37	CCASH	S 26 44 09.99	E 150 35 12.00
BWPWI	S 12 34 10.43	E 141 45 40.35	CB555	S 35 14 56.09	E 149 11 40.01	CCASI	S 26 54 28.19	E 150 44 06.23
BWPWM	S 12 39 49.78	E 141 54 07.47	CB560	S 35 14 05.11	E 149 11 56.63	CCASM	S 26 46 32.70	E 150 37 15.14
BWXND	S 20 38 21.16	E 115 25 52.47	CB589	S 35 13 35.11	E 149 12 17.67	CCYND	S 20 35 57.45	E 140 16 48.98
BWXNE	S 20 37 30.34	E 115 31 55.40	CB593	S 35 11 40.72	E 149 12 44.95	CCYNE	S 20 30 12.26	E 140 17 07.44
BWXNF	S 20 46 29.14	E 115 27 09.55	CB597	S 35 07 56.31	E 149 12 15.92	CCYNF	S 20 36 21.84	E 140 25 32.25
BWXNG	S 20 42 33.93	E 115 34 50.44	CB601	S 35 10 03.09	E 149 12 08.62	CCYNG	S 20 28 30.55	E 140 22 57.53
BWXNH	S 20 53 40.16	E 115 23 20.64	CB603	S 35 09 56.72	E 149 12 52.29	CCYNH	S 20 41 17.57	E 140 32 16.29
BWXNI	S 20 41 59.74	E 115 29 32.51	CB606	S 35 09 19.45	E 149 12 21.42	CCYNI	S 20 33 17.20	E 140 21 19.68
BWXNM	S 20 50 58.54	E 115 24 46.52	CB614	S 35 25 02.33	E 149 11 06.16	CCYNM	S 20 39 26.78	E 140 29 44.66
BWXSA	S 21 05 00.12	E 115 22 55.88	CB615	S 35 25 50.02	E 149 11 26.58	CCYSA	S 20 43 55.41	E 140 44 03.17
BWXSB	S 21 05 50.96	E 115 16 51.86	CB618	S 35 25 51.40	E 149 12 06.75	CCYSB	S 20 49 40.19	E 140 43 45.35
BWXSC	S 21 00 47.25	E 115 13 56.64	CB620	S 35 27 55.13	E 149 11 39.80	CCYSC	S 20 51 22.39	E 140 37 54.14
BWXSF	S 20 56 52.26	E 115 21 38.49	CB625	S 35 29 20.80	E 149 12 05.67	CCYSF	S 20 43 31.24	E 140 35 19.29
BWXSH	S 20 54 21.04	E 115 31 05.84	CB633	S 35 06 43.24	E 149 16 43.93	CCYSH	S 20 38 17.31	E 140 28 09.68
BWXSI	S 21 01 21.61	E 115 19 15.21	CB634	S 35 07 42.89	E 149 09 24.22	CCYSI	S 20 46 35.77	E 140 39 32.24
BWXSM	S 20 52 22.91	E 115 24 01.70	CB635	S 35 29 23.16	E 149 09 48.71	CCYSM	S 20 40 26.61	E 140 31 06.52
BYLLA	S 27 00 00.00	E 110 00 00.00	CB644	S 35 07 04.60	E 149 06 20.76	CDOSA	S 33 17 19.90	E 147 11 39.88
CABIG	S 33 50 59.88	E 145 28 15.25	CB648	S 35 27 24.12	E 149 14 11.51	CDOSB	S 33 18 22.13	E 147 04 56.03
CALAR	S 29 00 00.00	E 136 49 51.05	CB657	S 35 09 38.89	E 149 15 05.92	CDOSC	S 33 13 24.59	E 147 01 28.64
CALDA	S 37 40 18.00	E 144 41 42.00	CB659	S 35 08 17.28	E 149 15 25.31	CDOSF	S 33 09 15.60	E 147 09 53.91
CALIG	S 31 01 59.88	E 116 26 41.01	CB662	S 35 31 51.35	E 149 15 07.91	CDOSH	S 33 01 58.22	E 147 13 51.48
CALTX	S 16 59 59.99	E 149 39 13.74	CB672	S 35 32 53.80	E 149 07 59.77	CDOSI	S 33 13 48.89	E 147 07 25.10
CALUM	S 34 57 18.22	E 144 09 23.76	CB680	S 35 27 55.48	E 149 16 46.78	CDOSM	S 33 04 42.25	E 147 12 22.47
CAMBS	S 25 00 00.00	E 110 00 00.00	CB702	S 34 56 50.78	E 149 02 17.72	CDUEA	S 32 07 51.80	E 133 58 04.51
CAMEL	S 29 12 03.87	E 118 31 36.37	CB719	S 35 35 20.64	E 149 04 33.78	CDUEB	S 32 13 26.07	E 133 59 44.20
CAMUS	S 40 00 00.10	E 145 30 45.58	CB723	S 35 27 55.60	E 149 22 25.24	CDUEC	S 32 16 39.99	E 133 54 08.63
CANAC	S 32 13 27.54	E 115 35 41.81	CBAED	S 31 21 16.21	E 145 56 20.29	CDUEF	S 32 09 52.73	E 133 48 43.14
CANDY	S 36 25 30.00	E 135 00 00.00	CBAEE	S 31 23 13.66	E 146 02 37.80	CDUEH	S 32 07 01.94	E 133 39 54.65
CANNU	S 16 49 38.90	E 145 43 34.40	CBAEF	S 31 28 59.39	E 145 53 04.00	CDUEI	S 32 11 39.40	E 133 54 13.62
CANRI	S 32 22 25.25	E 116 27 17.54	CBAEG	S 31 28 58.91	E 146 02 38.48	CDUEM	S 32 08 06.06	E 133 43 12.77
CANTY	S 36 48 24.00	E 144 39 06.00	CBAEH	S 31 33 35.45	E 145 45 24.11	CDUWD	S 32 07 53.18	E 133 27 01.47
CAPER	S 33 22 45.10	E 150 56 18.90	CBAEI	S 31 26 06.61	E 145 57 51.05	CDUWE	S 32 02 18.63	E 133 25 23.17
CAPET	S 31 40 46.12	E 139 21 17.66	CBAEM	S 31 31 51.98	E 145 48 16.66	CDUWF	S 32 05 53.26	E 133 36 22.75
CAPRI	S 22 16 00.00	E 150 11 24.00	CBAWA	S 31 43 13.85	E 145 38 53.85	CDUWG	S 31 59 05.47	E 133 30 58.49
CARBA	S 16 28 26.83	E 144 58 06.93	CBAWB	S 31 41 15.49	E 145 32 34.49	CDUWH	S 32 08 44.28	E 133 45 11.03
CARBN	S 29 07 21.84	E 146 58 07.33	CBAWC	S 31 35 30.96	E 145 32 35.04	CDUWI	S 32 04 06.06	E 133 30 52.86
CARBY	S 19 50 22.73	E 145 17 50.61	CBAWF	S 31 35 31.27	E 145 42 10.77	CDUWM	S 32 07 40.22	E 133 41 52.86
CARDO	S 13 00 48.00	E 137 56 54.00	CBAWH	S 31 30 55.37	E 145 49 50.95	CEDAR	S 19 30 00.00	E 115 07 12.21
CARMI	S 26 13 03.60	E 115 00 00.00	CBAWI	S 31 38 23.47	E 145 37 22.78	CEEEA	S 33 38 02.71	E 136 45 33.71
CARMN	S 18 51 57.30	E 146 15 55.12	CBAWM	S 31 32 38.89	E 145 46 58.47	CEEEB	S 33 42 46.90	E 136 49 27.19
CARNA	S 24 40 33.66	E 113 45 47.55	CBBEA	S 31 22 37.85	E 149 30 54.11	CEEEC	S 33 47 27.53	E 136 45 27.42
CARNC	S 24 41 23.30	E 113 52 01.48	CBBEB	S 31 28 22.12	E 149 31 09.53	CEEEF	S 33 42 41.10	E 136 37 27.96
CARND	S 24 47 01.29	E 113 53 18.53	CBBEC	S 31 30 32.43	E 149 24 56.40	CEEEH	S 33 42 35.63	E 136 27 52.60
CARNF	S 24 48 41.56	E 113 44 29.68	CBBEF	S 31 22 56.38	E 149 21 20.08	CEEEI	S 33 42 44.15	E 136 43 27.57
CARNH	S 24 54 31.90	E 113 38 27.61	CBBEH	S 31 16 17.52	E 149 24 44.14	CEEEM	S 33 42 37.77	E 136 31 28.36
CARNI	S 24 45 02.48	E 113 48 15.69	CBBEI	S 31 25 39.35	E 149 26 14.66	CELIA	S 24 22 16.70	E 127 19 26.35
CARNM	S 24 52 20.55	E 113 40 43.46	CBBEM	S 31 20 13.23	E 149 16 25.78	CESCI	S 19 22 16.26	E 124 51 37.75
CARON	S 22 21 30.00	E 149 51 54.00	CBPNA	S 28 50 43.13	E 134 50 19.16	CFSNA	S 30 05 47.12	E 153 13 44.73
CARSE	S 25 05 10.55	E 113 34 32.76	CBPNC	S 28 52 06.32	E 134 56 39.53	CFSNC	S 30 06 23.22	E 153 20 19.36
CARSF	S 24 57 02.76	E 113 35 51.45	CBPND	S 28 57 49.42	E 134 57 21.05	CFSND	S 30 11 57.99	E 153 21 55.76
CARSG	S 25 04 20.19	E 113 28 17.75	CBPNF	S 28 58 41.28	E 134 48 03.81	CFSNF	S 30 14 42.64	E 153 11 59.59
CARSH	S 24 51 12.53	E 113 41 53.76	CBPNH	S 28 55 50.80	E 134 39 03.95	CFSNH	S 30 27 10.24	E 153 14 31.61
CARSI	S 25 00 41.52	E 113 32 04.71	CBPNI	S 28 55 23.87	E 134 52 21.81	CFSNI	S 30 10 10.25	E 153 16 32.41
CARSJ	S 24 58 42.00	E 113 27 01.66	CBPNM	S 29 01 58.56	E 134 43 45.54	CFSNM	S 30 19 14.64	E 153 07 26.57
CARSL	S 27 21 06.00	E 153 03 06.00	CBPSE	S 29 14 05.31	E 134 36 02.53	CFSSE	S 30 33 59.57	E 152 59 57.71
CARSM	S 24 53 23.90	E 113 39 37.96	CBPSF	S 29 06 07.37	E 134 38 19.14	CFSSF	S 30 25 04.06	E 153 01 39.67
CARTS	S 29 41 16.09	E 136 14 21.34	CBPSG	S 29 12 41.14	E 134 29 41.09	CFSSG	S 30 33 24.98	E 152 53 20.73
CASHN	S 42 52 43.65	E 147 34 10.14	CBPSH	S 29 00 51.95	E 134 45 12.80	CFSSH	S 30 19 53.47	E 153 18 56.03
CATAN	S 28 42 55.33	E 150 45 29.19	CBPSI	S 29 09 24.33	E 134 34 00.25	CFSSI	S 30 29 37.35	E 152 57 07.70
CATCH	S 12 11 08.08	E 130 59 19.72	CBPSJ	S 29 06 57.92	E 134 29 01.01	CFSSJ	S 30 27 50.91	E 152 51 43.00
CATEY	S 19 28 24.85	E 146 03 29.48	CBPSM	S 29 02 50.27	E 134 42 37.76	CFSSM	S 30 20 30.60	E 153 06 11.22
CATHY	S 33 46 43.21	E 151 07 57.32	CBULA	S 30 16 00.00	E 153 37 00.00	CGOND	S 16 53 42.50	E 144 29 26.10
CAULI	S 26 27 30.00	E 132 11 48.00	CCAND	S 26 39 40.78	E 150 24 42.42	CGONE	S 16 51 29.26	E 144 34 57.25
CAWLY	S 34 19 34.38	E 151 57 28.35	CCANE	S 26 34 11.28	E 150 26 36.76	CGONF	S 17 01 17.86	E 144 32 43.77
CB451	S 35 22 11.87	E 149 11 16.48	CCANF	S 26 42 07.34	E 150 33 26.31	CGONG	S 16 55 43.21	E 144 39 00.67
CB461	S 35 24 23.30	E 149 18 11.91	CCANG	S 26 33 54.97	E 150 33 00.16	CGONH	S 17 09 08.71	E 144 30 56.82
CB471	S 35 17 54.18	E 149 24 03.25	CCANH	S 26 48 27.94	E 150 38 54.63	CGONI	S 16 56 23.56	E 144 33 50.54
CB481	S 35 11 45.15	E 149 29 47.65	CCANI	S 26 38 09.35	E 150 30 01.42	CGONM	S 17 06 12.14	E 144 31 36.94
CB505	S 35 21 53.52	E 149 11 40.01	CCANM	S 26 46 05.24	E 150 36 51.44	CGOSA	S 17 22 59.97	E 144 34 14.41

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
CGOSB	S 17 25 18.72	E 144 28 44.79	CLOZA	S 26 59 27.00	E 139 44 26.80	COBES	S 23 16 53.88	E 149 49 48.15
CGOSC	S 17 21 08.70	E 144 24 36.38	CLUGO	S 32 04 06.00	E 115 42 12.00	COBHI	S 31 47 54.00	E 143 31 00.00
CGOSF	S 17 15 28.04	E 144 30 48.06	CLYDE	S 28 29 57.20	E 135 50 05.46	COBRA	S 24 06 36.56	E 116 47 49.93
CGOSH	S 17 07 06.41	E 144 28 46.14	CMTNA	S 22 36 31.90	E 147 27 32.60	COBUN	S 17 10 12.00	E 145 38 24.00
CGOSI	S 17 20 23.38	E 144 29 46.45	CMTNC	S 22 31 44.47	E 147 30 58.70	COCKA	S 23 02 30.65	E 149 38 29.48
CGOSM	S 17 10 32.68	E 144 31 49.61	CMTND	S 22 33 05.86	E 147 36 59.99	CODIE	S 16 32 42.00	E 145 35 54.00
CHAPL	S 27 27 09.24	E 150 00 00.00	CMTNF	S 22 41 05.20	E 147 34 54.84	COEWA	S 13 44 48.70	E 142 52 25.86
CHARD	S 20 37 24.00	E 147 23 54.00	CMTNH	S 22 48 33.76	E 147 38 03.98	COEWB	S 13 39 10.44	E 142 51 13.12
CHARL	S 27 52 38.73	E 117 32 04.38	CMTNI	S 22 36 24.84	E 147 32 56.74	COEWC	S 13 36 07.88	E 142 56 13.23
CHERY	S 12 32 00.00	E 140 00 00.00	CMTNM	S 22 45 45.56	E 147 36 53.01	COEWF	S 13 43 06.98	E 143 00 39.98
CHEWY	S 28 58 05.32	E 155 18 53.74	CMUED	S 28 05 33.21	E 145 49 03.73	COEWH	S 13 40 03.97	E 143 05 13.17
CHICO	S 27 03 50.68	E 151 26 44.10	CMUEE	S 28 10 08.25	E 145 48 36.17	COEWI	S 13 41 08.75	E 142 55 56.51
CHIDL	S 31 52 46.28	E 116 15 54.11	CMUEF	S 28 04 58.14	E 145 41 40.84	COEWM	S 13 45 05.11	E 143 05 23.53
CHIMU	S 37 33 56.78	E 144 47 50.41	CMUEG	S 28 11 19.26	E 145 43 35.04	COFEE	S 15 08 59.26	E 131 13 26.51
CHIPS	S 27 26 28.57	E 153 03 30.85	CMUEH	S 28 00 26.49	E 145 35 37.92	COLDS	S 37 42 39.53	E 145 20 58.18
CHITT	S 36 16 18.00	E 143 41 18.00	CMUEI	S 28 07 33.24	E 145 45 08.42	COLET	S 25 37 41.78	E 152 54 29.27
CHOMP	S 38 45 54.00	E 148 41 30.00	CMUEM	S 28 02 22.97	E 145 38 13.42	COLLA	S 12 20 41.49	E 134 24 44.26
CHOOK	S 28 17 00.00	E 153 41 38.00	CMUWA	S 27 58 14.53	E 145 26 07.45	COLLY	S 27 29 22.24	E 147 36 22.25
CHRIS	S 34 46 34.80	E 150 45 07.20	CMUWB	S 27 53 39.59	E 145 26 35.88	COLOP	S 21 29 06.00	E 141 11 12.00
CHUBA	S 16 09 28.36	E 120 58 09.44	CMUWC	S 27 52 29.18	E 145 31 36.34	COLPY	S 35 02 10.57	E 138 24 13.90
CINDA	S 22 47 36.47	E 133 57 05.76	CMUWF	S 27 58 50.41	E 145 33 29.76	COMAC	S 33 33 08.39	E 137 51 03.54
CINDY	S 15 42 12.00	E 137 12 54.00	CMUWH	S 28 03 56.38	E 145 30 41.20	COMLY	S 35 09 47.01	E 139 06 56.39
CINEA	S 17 34 52.23	E 124 03 59.54	CMUWI	S 27 56 15.04	E 145 30 02.74	COMND	S 36 01 36.26	E 149 00 37.04
CINEB	S 17 40 26.45	E 124 05 30.99	CMUWM	S 28 01 25.70	E 145 36 56.95	COMNE	S 36 00 43.41	E 149 09 01.88
CINEC	S 17 43 43.12	E 124 00 34.59	CNFED	S 21 41 59.89	E 121 49 52.92	COMNF	S 36 10 28.86	E 149 02 44.20
CINEF	S 17 36 57.27	E 123 55 41.78	CNFEE	S 21 47 42.37	E 121 50 40.64	COMNG	S 36 06 42.52	E 149 11 42.93
CINEH	S 17 34 09.57	E 123 47 50.68	CNFEF	S 21 43 03.59	E 121 41 09.32	COMNH	S 36 19 20.90	E 148 56 59.49
CINEI	S 17 38 41.92	E 124 00 36.34	CNFEG	S 21 50 21.32	E 121 45 12.28	COMNI	S 36 06 02.75	E 149 05 36.08
CINEM	S 17 35 12.49	E 123 50 47.32	CNFEH	S 21 39 20.39	E 121 33 32.59	COMNM	S 36 16 41.31	E 148 58 43.04
CINWD	S 17 34 45.85	E 123 35 26.32	CNFEI	S 21 45 22.91	E 121 45 54.98	COMSA	S 36 32 34.51	E 149 00 15.49
CINWE	S 17 29 11.40	E 123 33 55.84	CNFEM	S 21 40 44.13	E 121 36 23.82	COMSB	S 36 34 45.14	E 148 53 40.25
CINWF	S 17 32 41.67	E 123 43 44.21	CNFWA	S 21 38 47.04	E 121 21 32.24	COMSC	S 36 30 37.58	E 148 47 39.29
CINWG	S 17 25 55.39	E 123 38 52.33	CNFWB	S 21 33 04.52	E 121 20 44.91	COMSF	S 36 24 59.15	E 148 56 24.23
CINWH	S 17 35 29.53	E 123 51 35.18	CNFWC	S 21 30 25.70	E 121 26 12.70	COMSH	S 36 17 10.25	E 148 58 34.98
CINWI	S 17 30 56.60	E 123 38 49.98	CNFWF	S 21 37 43.85	E 121 30 15.27	COMSI	S 36 29 52.19	E 148 55 02.31
CINWM	S 17 34 26.62	E 123 48 38.54	CNFWH	S 21 41 27.14	E 121 37 51.87	COMSM	S 36 20 06.09	E 148 57 46.00
CITEE	S 27 28 12.05	E 153 04 45.70	CNFWI	S 21 35 24.12	E 121 25 30.09	CONNI	S 31 29 03.39	E 116 24 40.08
CKNED	S 15 25 36.51	E 145 25 21.52	CNFWM	S 21 40 03.45	E 121 35 00.60	CONOR	S 19 05 50.59	E 143 39 38.51
CKNEE	S 15 31 02.04	E 145 27 21.24	CNMED	S 30 47 47.41	E 148 30 56.29	COOBI	S 23 35 17.31	E 120 17 25.38
CKNEF	S 15 28 22.14	E 145 17 22.14	CNMEE	S 30 49 38.01	E 148 37 14.41	COODA	S 27 10 58.48	E 153 39 42.11
CKNEG	S 15 34 42.44	E 145 22 46.63	CNMEF	S 30 55 34.08	E 148 27 52.55	COOKY	S 34 48 13.01	E 138 46 25.25
CKNEH	S 15 25 57.87	E 145 08 23.20	CNMEG	S 30 55 23.19	E 148 37 23.53	COOLA	S 25 18 00.03	E 150 22 04.68
CKNEI	S 15 29 42.14	E 145 22 21.65	CNMEH	S 31 00 18.44	E 148 20 22.23	COOPA	S 31 47 51.17	E 151 31 54.63
CKNEM	S 15 26 46.00	E 145 11 22.82	CNMEI	S 30 52 36.13	E 148 32 33.62	COOPS	S 41 27 54.31	E 157 50 00.54
CKNWA	S 15 26 09.81	E 144 56 30.42	CNMEM	S 30 58 31.86	E 148 23 11.19	COORS	S 29 00 00.00	E 145 33 07.84
CKNWB	S 15 20 33.75	E 144 55 07.28	CNMWA	S 31 10 03.94	E 148 14 08.44	COPDI	S 29 33 19.66	E 117 56 29.49
CKNWC	S 15 17 22.98	E 145 00 04.21	CNMWB	S 31 08 12.49	E 148 07 48.48	COPPA	S 35 46 54.00	E 147 34 54.00
CKNWF	S 15 24 14.44	E 145 04 45.14	CNMWC	S 31 02 27.98	E 148 07 40.52	CORAL	S 26 32 52.36	E 153 19 10.31
CKNWH	S 15 28 48.23	E 145 12 53.23	CNMWF	S 31 02 17.85	E 148 17 12.78	CORDO	S 34 19 49.91	E 150 47 08.30
CKNWI	S 15 22 24.15	E 144 59 56.17	CNMWH	S 30 57 33.64	E 148 24 43.38	CORKY	S 32 29 54.73	E 150 54 44.94
CKNWM	S 15 26 04.63	E 145 09 34.19	CNMWI	S 31 05 15.25	E 148 12 30.77	CORND	S 35 48 37.34	E 146 30 13.79
CLAMP	S 26 05 24.00	E 152 44 00.00	CNMWM	S 30 59 20.27	E 148 21 54.49	CORNE	S 35 50 29.86	E 146 36 53.26
CLAMY	S 35 51 12.00	E 131 30 00.00	CNSNA	S 16 40 44.70	E 145 34 13.10	CORNF	S 35 56 22.66	E 146 26 55.51
CLARK	S 42 28 24.00	E 147 00 42.00	CNSNC	S 16 35 50.13	E 145 37 20.51	CORNG	S 35 56 14.88	E 146 37 00.33
CLARY	S 35 05 58.97	E 138 36 21.06	CNSND	S 16 36 59.04	E 145 43 11.70	CORNH	S 36 01 04.30	E 146 18 56.25
CLAYS	S 29 57 19.59	E 118 55 51.43	CNSNF	S 16 45 02.66	E 145 41 29.69	CORNI	S 35 53 26.36	E 146 31 54.57
CLEOS	S 27 58 21.82	E 152 17 33.88	CNSNH	S 16 49 14.78	E 145 50 20.25	CORNM	S 35 59 18.75	E 146 21 56.08
CLERY	S 37 57 47.41	E 147 00 51.12	CNSNI	S 16 40 26.41	E 145 39 25.05	CORNS	S 35 03 27.45	E 138 22 21.42
CLESE	S 12 26 48.94	E 130 47 06.61	CNSNM	S 16 49 38.09	E 145 43 34.42	CORRS	S 37 55 32.03	E 145 36 49.81
CLIFF	S 34 13 36.00	E 151 00 00.00	CNYNA	S 18 38 45.90	E 138 30 33.90	CORSA	S 36 10 52.93	E 146 12 05.66
CLIFT	S 20 36 16.95	E 148 27 27.18	CNYNC	S 18 33 14.74	E 138 32 16.56	CORSB	S 36 08 59.34	E 146 05 23.82
CLNYA	S 20 31 26.98	E 117 13 28.97	CNYND	S 18 32 53.30	E 138 38 18.00	CORSC	S 36 03 15.16	E 146 05 18.28
CLNYB	S 20 30 21.17	E 117 12 27.60	CNYNF	S 18 41 05.60	E 138 38 50.20	CORSF	S 36 03 08.30	E 146 15 24.72
CLNYC	S 20 27 02.20	E 117 12 51.20	CNYNH	S 18 48 56.20	E 138 45 24.50	CORSH	S 35 58 26.86	E 146 23 24.37
CLNYF	S 20 28 44.27	E 117 18 09.02	CNYNI	S 18 37 10.20	E 138 35 33.30	CORSI	S 36 06 03.93	E 146 10 24.46
CLNYI	S 20 28 58.37	E 117 15 18.02	CNYNM	S 18 45 00.90	E 138 42 07.30	CORSM	S 36 00 12.46	E 146 20 24.61
CLNYM	S 20 28 18.15	E 117 23 25.82	CNYSE	S 18 52 16.50	E 138 54 32.90	COTON	S 27 37 07.92	E 153 12 59.55
CLNZF	S 20 26 41.61	E 117 19 59.57	CNYSF	S 18 49 57.30	E 138 46 15.80	COTTS	S 31 58 36.13	E 115 40 41.85
CLNZI	S 20 27 53.85	E 117 17 30.51	CNYSG	S 18 57 47.90	E 138 52 50.70	COWIE	S 27 40 26.00	E 152 52 06.00
CLNZJ	S 20 30 13.11	E 117 15 28.37	CNYSH	S 18 42 06.80	E 138 39 41.50	COWLY	S 35 06 18.90	E 138 45 37.52
CLNZK	S 20 29 16.47	E 117 14 40.02	CNYSI	S 18 53 52.70	E 138 49 33.20	CRAIG	S 12 41 30.42	E 131 42 47.87
CLNZL	S 20 26 58.61	E 117 14 28.00	CNYSJ	S 18 58 09.70	E 138 46 48.40	CRANE	S 28 12 23.38	E 150 33 16.68
CLNZM	S 20 23 21.20	E 117 26 52.81	CNYSM	S 18 46 02.20	E 138 42 58.60	CRAVN	S 32 07 36.00	E 151 46 00.00
CLOVA	S 25 00 47.64	E 120 00 23.00	COBEL	S 35 10 06.00	E 128 00 00.00	CRAWS	S 27 42 00.00	E 153 25 18.00

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
CREDY	S 25 48 24.00	E 153 15 12.00	CUNNC	S 31 31 57.33	E 117 27 25.57	DAYLR	S 32 16 06.16	E 116 33 17.21
CREEK	S 16 47 57.69	E 145 44 29.69	CUNND	S 31 26 16.95	E 117 26 21.32	DAZZA	S 21 29 54.00	E 121 59 18.00
CRENA	S 37 16 24.00	E 140 04 54.00	CUNNF	S 31 33 15.80	E 117 17 57.80	DBYEA	S 17 19 46.48	E 123 53 41.89
CRGNA	S 35 55 39.43	E 148 03 12.52	CUNNH	S 31 32 36.66	E 117 09 34.18	DBYEB	S 17 24 55.42	E 123 56 23.05
CRGNC	S 35 58 21.09	E 148 14 00.92	CUNNI	S 31 29 46.45	E 117 22 09.71	DBYEF	S 17 23 27.42	E 123 46 02.31
CRGND	S 36 07 31.77	E 148 14 36.56	CUNNM	S 31 36 45.01	E 117 13 45.57	DBYEH	S 17 22 16.95	E 123 37 45.79
CRGNF	S 36 06 21.40	E 148 01 22.44	CUNNP	S 31 39 02.81	E 117 11 01.65	DBYEI	S 17 24 11.42	E 123 51 12.67
CRGNH	S 36 11 49.32	E 147 51 07.97	CURLY	S 11 14 35.00	E 128 39 21.00	DBYEM	S 17 22 43.42	E 123 40 51.97
CRGNI	S 36 03 16.82	E 148 06 14.47	CURON	S 35 38 27.68	E 138 53 45.06	DBYWD	S 17 22 21.18	E 123 25 45.36
CRGNM	S 36 10 39.47	E 147 54 32.97	CURTN	S 35 20 58.26	E 149 11 40.01	DBYWE	S 17 16 46.74	E 123 24 14.91
CRICK	S 34 29 30.00	E 125 00 00.00	CUSNA	S 34 00 12.58	E 135 32 25.11	DBYWF	S 17 20 17.02	E 123 34 02.61
CRIMP	S 16 50 48.00	E 143 08 12.00	CUSNC	S 33 56 54.96	E 135 38 04.20	DBYWG	S 17 13 30.68	E 123 29 11.02
CRISO	S 19 34 19.88	E 138 34 45.66	CUSND	S 34 00 12.58	E 135 43 43.30	DBYWH	S 17 23 05.19	E 123 41 52.93
CRIST	S 27 28 31.21	E 144 27 13.02	CUSNF	S 34 06 56.04	E 135 38 04.20	DBYWI	S 17 18 31.88	E 123 29 08.74
CROKO	S 19 03 45.54	E 146 27 44.68	CUSNH	S 34 14 56.89	E 135 38 04.20	DBYWM	S 17 22 02.16	E 123 38 56.53
CROWE	S 10 06 14.57	E 087 21 40.09	CUSNI	S 34 01 55.50	E 135 38 04.20	DEBAY	S 27 12 48.66	E 153 10 22.80
CS524	S 16 59 58.81	E 145 48 14.75	CUSNM	S 34 11 56.57	E 135 38 04.20	DEBAZ	S 19 17 35.68	E 140 27 40.19
CS528	S 17 01 21.72	E 145 48 52.30	CWAED	S 22 50 51.60	E 119 01 56.10	DEBEE	S 28 05 33.85	E 152 20 50.00
CS532	S 17 02 12.95	E 145 49 15.47	CWAEE	S 22 56 00.41	E 119 06 54.32	DEBOS	S 34 11 35.79	E 151 10 36.64
CS536	S 17 04 43.09	E 145 51 23.19	CWAEF	S 22 57 18.81	E 118 55 04.30	DECEM	S 16 46 05.40	E 112 12 08.76
CS540	S 17 05 44.36	E 145 55 44.82	CWAEG	S 23 02 05.69	E 119 03 23.01	DEENA	S 34 06 24.00	E 151 12 06.00
CS544	S 17 05 26.07	E 145 58 07.67	CWAEH	S 22 58 15.27	E 118 46 27.77	DEENO	S 21 35 08.54	E 131 12 53.61
CS548	S 17 07 08.37	E 145 49 13.55	CWAEI	S 22 56 43.28	E 119 00 27.07	DEERS	S 37 48 30.00	E 144 44 36.00
CS550	S 17 08 13.83	E 145 48 34.13	CWAEM	S 22 57 54.15	E 118 49 41.48	DEJAY	S 28 50 28.52	E 150 53 43.93
CS552	S 17 09 57.91	E 145 46 34.33	CWAWA	S 23 05 06.69	E 118 35 44.01	DELAK	S 31 51 40.64	E 116 22 52.86
CS554	S 17 04 58.73	E 145 50 30.56	CWAWB	S 22 59 56.91	E 118 30 46.63	DELRU	S 32 03 36.00	E 116 04 30.00
CS556	S 17 07 44.51	E 145 51 45.68	CWAWC	S 22 53 52.35	E 118 34 19.35	DENIS	S 27 33 22.55	E 153 08 05.28
CS560	S 17 09 18.26	E 146 00 27.17	CWAWF	S 22 58 40.32	E 118 42 37.12	DERAK	S 21 21 52.16	E 134 03 23.71
CS564	S 17 07 26.85	E 146 02 21.94	CWAWH	S 22 57 44.07	E 118 51 13.70	DERAL	S 23 25 23.87	E 134 53 18.65
CS568	S 16 50 28.15	E 145 43 56.67	CWAWI	S 22 59 15.24	E 118 37 14.20	DERRY	S 33 43 17.08	E 148 02 33.43
CS572	S 16 48 11.44	E 145 44 16.24	CWAWM	S 22 58 05.22	E 118 47 59.99	DERWY	S 34 58 46.91	E 138 07 15.29
CS576	S 16 44 06.26	E 145 45 27.58	CWRNA	S 33 40 12.61	E 148 28 41.32	DESET	S 24 50 42.00	E 134 46 12.00
CS580	S 16 40 35.74	E 145 45 54.96	CWRNC	S 33 35 35.40	E 148 32 46.70	DEWEY	S 28 00 00.00	E 154 30 00.00
CS584	S 16 37 05.22	E 145 40 11.68	CWRND	S 33 37 13.09	E 148 39 21.66	DEZZI	S 29 03 15.88	E 167 57 43.82
CS588	S 16 47 01.12	E 145 42 23.16	CWRNF	S 33 45 05.43	E 148 36 34.84	DGUEC	S 25 28 33.93	E 119 31 46.53
CS610	S 16 40 15.85	E 145 33 50.87	CWRNH	S 33 52 41.35	E 148 39 37.96	DGUED	S 25 37 59.39	E 119 31 57.33
CS614	S 16 36 24.45	E 145 42 50.23	CWRNI	S 33 40 20.43	E 148 34 40.66	DGUEF	S 25 33 24.25	E 119 23 28.72
CS618	S 16 39 44.52	E 145 39 06.13	CWRNM	S 33 49 50.39	E 148 38 29.23	DGUEI	S 25 33 18.43	E 119 29 58.48
CS620	S 16 37 41.23	E 145 38 10.54	CWRSE	S 34 01 04.04	E 148 48 58.27	DGUEM	S 25 33 29.67	E 119 17 49.44
CS622	S 17 02 53.92	E 145 49 16.83	CWRSF	S 33 56 11.64	E 148 41 02.60	DGUWA	S 25 38 26.86	E 119 02 42.78
CS626	S 17 06 21.28	E 145 50 38.15	CWRSG	S 34 05 41.39	E 148 44 52.55	DGUWB	S 25 29 01.43	E 119 02 32.13
CS634	S 17 08 27.66	E 146 03 40.68	CWRSH	S 33 48 35.74	E 148 37 59.26	DGUWF	S 25 33 35.96	E 119 10 58.87
CS638	S 16 43 32.18	E 145 49 29.12	CWRSI	S 34 00 56.53	E 148 42 57.47	DGUWI	S 25 33 41.61	E 119 04 30.93
CS642	S 16 45 27.01	E 145 57 53.33	CWRSJ	S 34 04 03.69	E 148 38 15.01	DGUWM	S 25 33 30.75	E 119 16 40.67
CS649	S 16 43 09.97	E 145 45 32.47	CWRSM	S 33 51 26.71	E 148 39 07.95	DICKI	S 28 16 35.11	E 153 36 01.65
CS730	S 16 42 37.12	E 145 55 04.70	DABUX	S 37 27 13.41	E 144 43 15.45	DICKO	S 16 18 09.59	E 130 18 22.89
CS734	S 16 51 51.10	E 146 17 22.38	DADAN	S 27 29 48.52	E 153 08 58.74	DIGER	S 30 03 31.79	E 121 01 38.64
CS738	S 17 00 28.71	E 146 17 05.87	DADAR	S 02 00 00.00	E 079 27 06.00	DIGGA	S 27 52 56.62	E 151 54 34.48
CS742	S 17 12 02.17	E 145 42 51.10	DADVA	S 31 00 44.48	E 137 20 49.96	DIGLA	S 21 18 17.20	E 133 11 27.28
CTMNA	S 34 24 58.84	E 147 54 43.65	DAGUK	S 23 19 15.73	E 127 08 18.78	DIMOC	S 37 41 29.95	E 145 12 49.47
CTMNC	S 34 21 09.91	E 147 59 54.64	DAISY	S 19 35 07.68	E 146 48 06.33	DINGO	S 23 52 48.43	E 133 51 51.85
CTMNF	S 34 31 06.92	E 148 01 18.36	DAKLA	S 27 14 22.15	E 152 55 41.39	DINOS	S 25 58 31.11	E 147 23 26.46
CTMNH	S 34 39 34.35	E 148 02 29.78	DAKUN	S 22 40 06.00	E 141 22 54.00	DIPLO	S 40 00 00.02	E 145 40 59.95
CTMNI	S 34 26 08.42	E 148 00 36.46	DALAS	S 30 20 38.78	E 150 18 32.76	DIPPA	S 33 57 29.46	E 151 19 25.97
CTMNM	S 34 36 05.41	E 148 02 00.34	DALBU	S 34 52 34.97	E 138 47 10.31	DIPSO	S 33 54 23.26	E 152 04 19.02
CTMSE	S 34 49 09.55	E 148 09 35.72	DALEY	S 35 33 41.86	E 149 10 41.40	DISHA	S 35 04 09.85	E 139 04 20.84
CTMSF	S 34 43 01.79	E 148 02 59.03	DALGI	S 13 01 26.23	E 131 13 10.07	DISPT	S 25 55 56.58	E 153 11 24.18
CTMSG	S 34 52 58.73	E 148 04 23.46	DALLY	S 29 00 00.00	E 145 46 41.42	DIVNA	S 23 03 52.24	E 115 16 20.45
CTMSH	S 34 35 04.22	E 148 01 51.73	DALOS	S 29 01 28.96	E 167 30 36.81	DLOEA	S 27 57 05.57	E 121 30 07.66
CTMSI	S 34 48 00.27	E 148 03 41.20	DALPA	S 26 00 00.00	E 124 00 00.00	DLOEB	S 28 02 48.33	E 121 29 22.62
CTMSJ	S 34 50 14.89	E 147 58 15.44	DALWU	S 30 14 40.63	E 116 46 43.59	DLOEC	S 28 04 07.84	E 121 23 04.09
CTMSM	S 34 38 03.31	E 148 02 16.94	DAMIL	S 16 21 18.12	E 144 16 07.93	DLOEF	S 27 56 08.20	E 121 20 56.47
CUAWA	S 33 19 16.50	E 148 30 48.83	DAMIN	S 26 56 24.00	E 150 07 00.00	DLOEH	S 27 50 47.72	E 121 14 12.30
CUAWB	S 33 14 04.44	E 148 27 52.96	DANAL	S 27 50 40.43	E 138 42 52.38	DLOEI	S 27 59 28.33	E 121 25 09.42
CUAWC	S 33 09 59.51	E 148 32 40.85	DANKS	S 36 25 56.86	E 142 52 05.23	DLOEM	S 27 52 47.93	E 121 16 43.78
CUAWF	S 33 15 45.53	E 148 39 38.22	DANVA	S 33 21 21.50	E 131 30 00.00	DLOWD	S 27 47 46.30	E 121 02 27.38
CUAWH	S 33 22 03.45	E 148 45 11.92	DAOVO	S 02 52 18.00	E 088 35 42.00	DLOWE	S 27 42 03.68	E 121 03 13.72
CUAWI	S 33 14 55.12	E 148 33 45.53	DAPPA	S 25 35 24.00	E 141 30 30.00	DLOWF	S 27 48 44.91	E 121 11 37.70
CUAWM	S 33 16 35.66	E 148 45 31.01	DARGA	S 34 45 21.08	E 138 39 45.34	DLOWG	S 27 40 45.07	E 121 09 31.22
CUBBY	S 31 33 16.80	E 116 07 27.60	DARLY	S 37 44 13.82	E 144 37 46.06	DLOWH	S 27 54 05.51	E 121 18 21.62
CUDGN	S 28 14 20.61	E 153 32 39.32	DARTS	S 36 40 21.30	E 147 49 57.40	DLOWI	S 27 45 24.36	E 121 07 25.58
CULAB	S 27 42 08.43	E 116 07 35.22	DAVEY	S 20 24 32.55	E 145 44 58.77	DLOWM	S 27 52 05.32	E 121 15 50.07
CULIN	S 34 44 24.00	E 149 23 24.00	DAVOS	S 36 42 48.21	E 147 54 00.68	DLQEA	S 35 24 14.19	E 145 08 15.13
CUNNA	S 31 25 12.05	E 117 19 46.16	DAYBO	S 27 07 15.34	E 152 53 05.63	DLQEB	S 35 27 11.95	E 145 14 15.25

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
DLQEC	S 35 32 50.67	E 145 12 54.20	DUNES	S 34 01 36.00	E 151 10 30.00	ELNOT	S 16 01 09.67	E 143 17 22.22
DLQEF	S 35 31 15.75	E 145 03 03.70	DUNKN	S 27 39 08.82	E 152 27 42.67	ELONG	S 32 04 06.00	E 148 56 36.00
DLQEH	S 35 34 30.04	E 144 54 05.66	DUNNE	S 37 54 59.04	E 146 07 14.58	ELROX	S 35 15 37.23	E 137 54 01.98
DLQEI	S 35 29 13.98	E 145 08 39.62	DUNNI	S 27 28 49.00	E 153 23 21.55	EMLED	S 23 25 31.60	E 148 21 53.90
DLQEM	S 35 33 17.26	E 144 57 27.51	DUTAK	S 29 30 11.62	E 117 32 56.07	EMLEE	S 23 28 51.94	E 148 26 58.73
DLQWD	S 35 42 48.28	E 144 45 18.10	DUUKE	S 32 58 58.14	E 150 47 53.18	EMLEF	S 23 32 13.24	E 148 16 43.52
DLQWE	S 35 39 49.19	E 144 39 16.47	DYMON	S 21 32 12.00	E 141 48 24.00	EMLEG	S 23 34 24.75	E 148 25 18.95
DLQWF	S 35 35 47.55	E 144 50 30.37	DYSNA	S 22 28 37.21	E 148 10 18.57	EMLEH	S 23 34 54.22	E 148 08 31.14
DLQWG	S 35 34 11.64	E 144 40 38.94	DYSNC	S 22 23 23.32	E 148 12 53.49	EMLEI	S 23 30 32.59	E 148 21 51.16
DLQWH	S 35 32 33.49	E 144 59 28.68	DYSND	S 22 23 51.13	E 148 19 03.65	EMLEM	S 23 33 53.89	E 148 11 35.82
DLQWI	S 35 37 48.50	E 144 44 53.56	DYSNF	S 22 32 02.74	E 148 18 21.09	EMLWA	S 23 42 47.43	E 147 59 40.84
DLQWM	S 35 33 46.34	E 144 56 06.90	DYSNH	S 22 30 33.38	E 148 27 02.55	EMLWB	S 23 39 26.96	E 147 54 35.58
DMGEA	S 17 58 14.39	E 139 02 22.48	DYSNI	S 22 27 43.06	E 148 15 37.20	EMLWC	S 23 33 54.24	E 147 56 15.74
DMGEB	S 18 03 58.58	E 139 02 54.01	DYSNM	S 22 36 22.38	E 148 21 05.14	EMLWF	S 23 36 05.94	E 148 04 51.46
DMGEC	S 18 06 24.58	E 138 57 26.58	DYTES	S 37 42 30.71	E 145 09 34.94	EMLWH	S 23 33 25.06	E 148 13 03.95
DMGEF	S 17 58 57.27	E 138 53 48.81	EAGLE	S 25 44 40.12	E 151 29 29.53	EMLWI	S 23 37 46.45	E 147 59 43.55
DMGEH	S 17 54 55.91	E 138 46 33.02	EAZEE	S 16 33 23.07	E 145 41 06.07	EMLWM	S 23 34 25.43	E 148 09 59.30
DMGEI	S 18 01 27.98	E 138 58 21.34	EBARR	S 31 00 00.00	E 110 00 00.00	EMPRA	S 35 00 19.86	E 138 26 55.40
DMGEM	S 17 56 26.45	E 138 49 16.40	EBONY	S 36 10 56.52	E 147 04 14.27	EMRIG	S 37 38 59.55	E 145 11 41.18
DMGWD	S 17 54 10.50	E 138 35 21.76	ECATT	S 19 41 24.40	E 140 55 33.09	EMVAS	S 11 28 12.00	E 100 29 42.00
DMGWE	S 17 48 26.23	E 138 34 51.15	ECHND	S 35 57 35.78	E 144 39 33.07	ENAID	S 27 22 56.49	E 153 37 32.26
DMGWF	S 17 53 28.44	E 138 43 55.28	ECHNE	S 35 54 11.09	E 144 45 13.86	ENBET	S 27 27 51.92	E 152 53 53.63
DMGWG	S 17 46 00.86	E 138 40 18.34	ECHNF	S 36 04 11.62	E 144 45 33.02	ENDOR	S 35 17 11.81	E 149 20 48.73
DMGWH	S 17 57 29.90	E 138 51 10.96	ECHNG	S 35 57 21.18	E 144 51 07.16	ENDOV	S 24 04 06.28	E 117 56 21.54
DMGWI	S 17 50 57.39	E 138 39 23.15	ECHNH	S 36 12 12.09	E 144 45 48.38	ENNGG	S 34 49 06.00	E 138 49 54.00
DMGWM	S 17 55 59.38	E 138 48 27.54	ECHNI	S 35 59 11.31	E 144 45 23.44	ENPIT	S 23 21 58.96	E 126 29 18.33
DOCKS	S 37 54 22.71	E 144 51 23.66	ECHNM	S 36 09 11.92	E 144 45 42.60	ENSEG	S 37 26 33.52	E 145 00 21.98
DOGAR	S 02 00 00.00	E 087 50 18.00	ECHSA	S 36 21 55.90	E 144 51 56.12	ENTAL	S 28 28 41.93	E 119 06 33.40
DOLIB	S 20 33 26.81	E 144 25 00.97	ECHSB	S 36 25 20.84	E 144 46 13.53	ENTRA	S 33 34 59.28	E 151 41 48.51
DOMOM	S 16 26 12.83	E 115 07 58.21	ECHSC	S 36 22 10.46	E 144 40 18.40	ENTRE	S 31 32 02.82	E 130 56 56.76
DONDI	S 19 48 59.14	E 121 20 52.96	ECHSF	S 36 15 20.34	E 144 45 54.35	EPGUP	S 10 39 01.97	E 099 33 05.58
DONIC	S 33 22 46.85	E 151 54 28.22	ECHSH	S 36 07 19.87	E 144 45 38.99	ERINA	S 30 56 46.06	E 134 45 00.00
DONNA	S 33 49 21.29	E 155 10 55.56	ECHSI	S 36 20 20.63	E 144 46 03.94	ERITH	S 34 11 55.21	E 138 26 38.48
DONNO	S 27 39 04.80	E 152 32 51.00	ECHSM	S 36 10 20.05	E 144 45 44.76	ERNIE	S 12 39 50.14	E 130 16 13.85
DONOT	S 29 48 06.33	E 137 51 37.84	ECKHO	S 39 39 28.23	E 150 31 03.90	ESKAY	S 28 17 58.96	E 153 37 17.07
DONYA	S 11 30 51.62	E 129 54 24.66	ECKKS	S 35 16 47.56	E 149 11 44.70	ESKEL	S 36 31 24.71	E 163 00 00.00
DOORA	S 31 54 24.00	E 149 05 19.00	EDMON	S 40 00 00.00	E 145 16 42.00	ESPED	S 33 40 54.43	E 122 04 58.34
DOPNU	S 37 28 10.30	E 144 59 43.82	EDPEG	S 28 49 53.03	E 151 35 42.69	ESPEE	S 33 46 28.00	E 122 06 38.95
DOPUK	S 18 14 33.52	E 127 25 08.77	EEMUE	S 35 21 18.07	E 137 59 14.47	ESPEF	S 33 42 54.06	E 121 55 26.89
DOREN	S 37 36 36.01	E 145 08 03.94	EFFEY	S 20 09 21.25	E 146 40 30.75	ESPEG	S 33 49 42.07	E 122 00 56.96
DORIC	S 22 33 00.47	E 136 44 41.59	EGARO	S 29 30 00.00	E 114 00 00.00	ESPEH	S 33 40 01.54	E 121 46 29.91
DORIS	S 31 54 03.24	E 116 42 55.34	EGATU	S 12 00 00.00	E 116 05 36.00	ESPEI	S 33 44 41.56	E 122 01 02.80
DOSAM	S 16 54 10.25	E 133 12 00.30	EGAVI	S 18 29 24.00	E 109 02 24.00	ESPEM	S 33 41 06.31	E 121 49 51.20
DOSEL	S 37 09 54.44	E 145 23 43.09	EGEKA	S 37 43 40.40	E 145 01 10.70	ESPWA	S 33 40 54.59	E 121 33 32.10
DOTAP	S 20 09 16.84	E 136 43 25.69	EGORE	S 15 21 49.87	E 136 40 06.51	ESPWB	S 33 35 19.56	E 121 31 52.59
DOTOD	S 15 14 24.17	E 149 04 11.46	EGZEN	S 27 22 57.59	E 153 00 43.47	ESPWC	S 33 32 07.15	E 121 37 33.69
DOTOP	S 32 06 18.00	E 119 04 48.00	EKIDA	S 31 58 36.13	E 156 46 48.63	ESPWF	S 33 38 55.51	E 121 43 03.10
DOTTE	S 18 41 54.00	E 144 52 42.00	EKKAS	S 38 04 42.00	E 145 11 24.00	ESPWH	S 33 41 47.55	E 121 52 00.19
DOUGY	S 29 10 54.64	E 151 11 13.99	EKKEY	S 32 27 45.55	E 145 17 00.21	ESPWI	S 33 37 07.66	E 121 37 27.73
DOVOM	S 28 40 22.77	E 163 00 00.00	EKOKU	S 16 18 00.00	E 146 53 54.00	ESPWM	S 33 40 43.11	E 121 48 38.71
DOXIE	S 31 08 17.70	E 148 06 06.06	EKULA	S 19 32 34.52	E 114 41 04.37	ESTER	S 27 41 52.33	E 153 34 24.71
DPOEA	S 40 59 58.55	E 146 37 57.10	ELATI	S 02 00 00.00	E 089 57 42.00	ETHER	S 24 45 24.54	E 144 33 01.47
DPOEB	S 41 02 29.34	E 146 44 45.05	ELBIS	S 09 05 18.00	E 127 43 42.00	EURAD	S 27 37 33.76	E 114 35 32.24
DPOEC	S 41 08 12.35	E 146 43 57.55	ELDEA	S 11 58 37.75	E 135 47 44.81	EVANS	S 19 30 21.74	E 146 48 58.39
DPOEF	S 41 07 20.60	E 146 33 11.26	ELDEB	S 12 03 50.70	E 135 50 14.15	EVFRS	S 16 54 58.00	E 145 46 55.00
DPOEH	S 41 07 53.99	E 146 18 09.96	ELDEC	S 12 07 55.87	E 135 46 06.48	EVIEC	S 30 21 20.15	E 141 19 22.41
DPOEI	S 41 04 55.12	E 146 38 58.37	ELDEF	S 12 02 07.66	E 135 40 10.72	EVOKE	S 28 43 00.92	E 142 56 58.49
DPOEM	S 41 09 45.80	E 146 27 23.73	ELDEH	S 12 00 44.97	E 135 32 07.98	EVONN	S 34 11 42.71	E 152 01 52.30
DRADO	S 12 39 51.60	E 130 52 01.20	ELDEI	S 12 02 59.23	E 135 45 12.46	EXETA	S 34 38 25.78	E 150 16 30.69
DRAFF	S 16 45 55.33	E 141 14 01.13	ELDEK	S 20 32 58.81	E 149 14 29.85	EXROM	S 39 24 21.27	E 146 05 23.36
DRAIN	S 27 09 54.54	E 153 05 03.74	ELDEM	S 12 01 16.00	E 135 35 09.00	EXXON	S 25 46 36.00	E 143 39 06.00
DREWS	S 16 06 58.55	E 145 19 37.66	ELDWD	S 12 03 34.95	E 135 20 44.11	EYELA	S 27 15 34.51	E 150 20 06.33
DRINA	S 35 25 13.41	E 139 14 05.81	ELDWE	S 11 58 21.71	E 135 18 15.34	EYSAW	S 19 23 01.90	E 145 10 43.83
DUBAG	S 15 32 47.91	E 085 00 00.00	ELDWF	S 12 00 05.56	E 135 28 18.52	EZDON	S 25 00 00.00	E 120 29 53.73
DUBIS	S 23 16 15.64	E 127 48 51.78	ELDWG	S 11 54 16.94	E 135 22 23.31	FADEN	S 35 27 55.13	E 149 11 39.80
DUBYA	S 35 16 53.20	E 149 11 39.99	ELDWH	S 12 01 28.36	E 135 36 21.22	FAGIN	S 33 53 06.00	E 131 30 00.00
DUCEK	S 27 58 23.84	E 141 32 14.82	ELDWI	S 11 59 13.68	E 135 23 16.88	FALEE	S 34 45 49.42	E 138 11 09.31
DUDOK	S 34 04 48.17	E 151 04 38.35	ELDWM	S 12 00 57.35	E 135 33 20.20	FARMA	S 17 48 54.69	E 143 35 12.39
DUGGI	S 36 35 44.67	E 146 26 49.97	ELENI	S 27 42 33.29	E 152 29 44.16	FARRA	S 37 47 41.85	E 146 05 27.61
DUKES	S 36 04 50.00	E 140 15 02.51	ELGUN	S 43 26 54.75	E 163 00 00.00	FASIE	S 17 19 52.30	E 143 10 52.00
DUKUB	S 12 00 00.01	E 149 19 33.97	ELIZA	S 34 43 36.19	E 138 41 47.27	FAUKS	S 28 24 34.87	E 153 51 36.38
DUMAV	S 13 56 26.99	E 135 35 44.60	ELLAS	S 29 00 30.43	E 156 41 39.04	FBSEB	S 33 24 26.08	E 148 10 57.76
DUMPA	S 13 26 52.89	E 134 30 48.95	ELLIS	S 29 02 14.33	E 120 00 00.00	FBSEC	S 33 27 34.35	E 148 06 56.84
DUNDA	S 32 42 54.00	E 121 52 00.00	ELLOW	S 24 57 09.54	E 134 36 27.07	FBSEF	S 33 22 46.14	E 148 01 36.98

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
FBSEH	S 33 21 30.72	E 147 54 36.63	FRTEA	S 30 46 18.73	E 128 21 39.64	GDINC	S 28 19 42.83	E 150 31 05.00
FBSEI	S 33 23 36.20	E 148 06 17.32	FRTEB	S 30 51 13.23	E 128 25 07.73	GDIND	S 28 25 19.33	E 150 32 32.65
FBSEM	S 33 21 55.90	E 147 56 56.72	FRTEC	S 30 55 42.70	E 128 20 58.06	GDINF	S 28 27 09.66	E 150 23 29.51
FBSWD	S 33 16 27.45	E 147 44 37.31	FRTEF	S 30 50 34.87	E 128 13 32.13	GDINH	S 28 33 06.82	E 150 17 24.34
FBSWE	S 33 19 45.14	E 147 40 48.73	FRTEH	S 30 50 03.43	E 128 04 15.77	GDINI	S 28 23 26.30	E 150 27 17.39
FBSWF	S 33 21 01.81	E 147 50 14.35	FRTEI	S 30 50 54.18	E 128 19 19.91	GDINM	S 28 30 52.92	E 150 19 41.36
FBSWG	S 33 23 53.66	E 147 43 12.14	FRTEM	S 30 50 15.30	E 128 07 44.39	GEDEN	S 37 43 12.00	E 145 00 54.00
FBSWH	S 33 21 58.85	E 147 57 18.74	FRTND	S 30 37 58.84	E 128 01 14.16	GEESE	S 24 03 34.33	E 151 00 23.11
FBSWI	S 33 20 23.56	E 147 45 31.50	FRTNE	S 30 34 39.33	E 128 06 39.48	GEKKO	S 21 12 09.32	E 131 50 23.55
FBSWM	S 33 21 39.88	E 147 54 57.26	FRTNF	S 30 44 40.71	E 128 06 43.85	GELNA	S 28 34 21.35	E 114 42 03.95
FDFEA	S 22 20 31.46	E 119 40 09.45	FRTNG	S 30 37 55.29	E 128 12 07.67	GELNC	S 28 32 48.37	E 114 48 20.32
FDFEB	S 22 26 16.77	E 119 40 14.89	FRTNH	S 30 52 41.81	E 128 06 47.35	GELND	S 28 37 28.68	E 114 52 08.28
FDFEC	S 22 28 19.52	E 119 34 27.62	FRTNI	S 30 39 40.02	E 128 06 41.66	GELNF	S 28 42 15.94	E 114 44 34.32
FDFEF	S 22 20 38.61	E 119 31 19.20	FRTNM	S 30 49 41.40	E 128 06 46.04	GELNH	S 28 49 49.91	E 114 41 33.03
FDFEH	S 22 16 08.18	E 119 24 10.85	FTAND	S 32 27 36.48	E 119 29 45.39	GELNI	S 28 37 32.17	E 114 46 27.40
FDFEI	S 22 23 27.67	E 119 35 47.02	FTANE	S 32 22 13.34	E 119 32 07.35	GELNM	S 28 46 59.68	E 114 42 41.06
FDFEM	S 22 17 49.61	E 119 26 51.44	FTANF	S 32 30 28.22	E 119 38 49.97	GELSE	S 29 01 09.20	E 114 42 58.63
FDFWD	S 22 14 25.86	E 119 12 27.78	FTANG	S 32 22 15.73	E 119 38 53.69	GELSF	S 28 53 16.98	E 114 40 18.54
FDFWE	S 22 08 40.57	E 119 12 22.33	FTANH	S 32 37 03.85	E 119 44 12.96	GELSG	S 29 02 47.70	E 114 36 42.38
FDFWF	S 22 14 18.57	E 119 21 17.38	FTANI	S 32 26 20.82	E 119 35 28.51	GELSH	S 28 45 40.32	E 114 43 11.00
FDFWG	S 22 06 37.59	E 119 18 08.71	FTANM	S 32 34 35.51	E 119 42 11.74	GELSI	S 28 58 02.36	E 114 38 30.54
FDFWH	S 22 18 49.05	E 119 28 25.61	FTASA	S 32 42 14.08	E 119 55 13.52	GELSJ	S 28 58 10.52	E 114 32 48.64
FDFWI	S 22 11 29.54	E 119 16 49.83	FTASB	S 32 47 37.64	E 119 52 52.41	GELSM	S 28 48 31.58	E 114 42 06.38
FDFWM	S 22 17 07.64	E 119 25 44.98	FTASC	S 32 47 36.01	E 119 46 04.16	GEMAC	S 38 13 25.78	E 150 19 30.49
FECTI	S 18 28 03.31	E 116 54 13.18	FTASF	S 32 39 23.54	E 119 46 07.23	GEORG	S 35 03 39.89	E 149 30 11.57
FEEGS	S 12 30 15.96	E 131 08 52.31	FTASH	S 32 32 47.99	E 119 40 43.96	GEPEC	S 27 46 11.59	E 152 32 28.89
FELLS	S 12 14 33.89	E 131 05 52.36	FTASI	S 32 43 30.64	E 119 49 29.66	GERBL	S 27 34 29.59	E 152 25 38.35
FERGI	S 14 12 49.00	E 132 19 19.00	FTASM	S 32 35 16.34	E 119 42 45.09	GEROO	S 27 41 49.96	E 153 07 06.46
FIKUL	S 28 23 42.00	E 153 39 12.00	FTZND	S 17 57 47.18	E 125 32 45.71	GEROS	S 35 01 05.49	E 154 59 54.63
FILET	S 33 32 54.00	E 128 00 00.00	FTZNE	S 17 56 02.89	E 125 38 29.87	GETON	S 35 03 58.17	E 138 44 37.63
FILLY	S 13 57 50.06	E 131 13 27.26	FTZNF	S 18 05 37.64	E 125 35 21.36	GFNNA	S 29 32 26.42	E 152 57 48.48
FINNS	S 34 58 08.31	E 138 18 10.35	FTZNG	S 18 00 36.67	E 125 42 10.11	GFNNC	S 29 29 35.13	E 153 03 30.93
FIONA	S 27 21 11.09	E 152 59 51.58	FTZNH	S 18 13 17.42	E 125 32 50.41	GFNND	S 29 33 17.74	E 153 08 32.22
FISHA	S 33 54 36.00	E 151 22 36.00	FTZNI	S 18 00 50.27	E 125 36 55.63	GFNNF	S 29 39 34.12	E 153 02 28.39
FISHY	S 17 41 05.08	E 145 48 09.81	FTZNM	S 18 10 25.01	E 125 33 47.04	GFNNH	S 29 52 07.55	E 152 59 50.24
FLAKE	S 33 10 54.00	E 125 00 00.00	FTZSA	S 18 24 14.27	E 125 34 25.20	GFNNI	S 29 34 34.63	E 153 02 59.68
FLANO	S 12 21 11.84	E 131 34 58.29	FTZSB	S 18 25 58.62	E 125 28 40.15	GFNNM	S 29 44 33.61	E 153 01 57.04
FLATS	S 18 58 06.00	E 140 49 48.00	FTZSC	S 18 21 24.72	E 125 24 59.56	GGEEA	S 28 46 59.73	E 117 12 59.04
FLATY	S 25 24 49.56	E 154 53 10.56	FTZSF	S 18 16 23.92	E 125 31 49.12	GGEEB	S 28 52 40.73	E 117 13 58.83
FLDNA	S 23 46 21.03	E 151 22 54.52	FTZSH	S 18 08 44.15	E 125 34 20.15	GGEEC	S 28 55 26.73	E 117 08 15.10
FLDNC	S 23 44 12.90	E 151 23 50.86	FTZSI	S 18 21 11.27	E 125 30 14.66	GGEEF	S 28 48 14.59	E 117 03 46.14
FLDND	S 23 43 18.95	E 151 26 09.08	FTZSM	S 18 11 36.57	E 125 33 23.54	GGEEH	S 28 44 41.12	E 116 55 36.60
FLDNF	S 23 48 37.25	E 151 28 42.90	FULTN	S 24 03 00.41	E 133 54 09.82	GGEEI	S 28 50 27.75	E 117 08 52.38
FLDNI	S 23 46 19.54	E 151 26 10.74	FYSTI	S 27 22 34.28	E 153 15 45.16	GGEEM	S 28 46 01.23	E 116 58 40.11
FLDNM	S 23 53 24.37	E 151 34 00.29	GAANY	S 30 26 20.20	E 137 17 56.31	GGEWD	S 28 44 40.83	E 116 43 35.43
FLEET	S 31 54 33.39	E 115 25 20.27	GAFER	S 22 17 50.53	E 136 38 07.44	GGEWE	S 28 38 59.60	E 116 42 37.43
FLEMO	S 20 06 04.98	E 146 52 18.69	GALAH	S 35 04 54.00	E 142 06 42.00	GGEWF	S 28 43 27.46	E 116 52 48.27
FLIKI	S 40 00 00.00	E 146 23 36.00	GALLI	S 31 50 52.47	E 115 51 05.26	GGEWG	S 28 36 14.73	E 116 48 20.97
FLIPA	S 11 50 24.83	E 129 03 33.54	GALON	S 30 38 04.72	E 154 32 00.37	GGEWH	S 28 47 01.20	E 117 00 57.56
FLIWA	S 40 14 48.34	E 147 47 11.26	GAMBL	S 28 52 28.48	E 153 02 52.69	GGEWI	S 28 41 13.62	E 116 47 42.74
FLIWB	S 40 11 43.60	E 147 40 51.24	GANEE	S 28 54 30.00	E 152 37 30.00	GGEWM	S 28 45 41.10	E 116 57 54.01
FLIWC	S 40 06 07.78	E 147 42 27.52	GARTH	S 26 59 53.60	E 152 45 29.54	GIAEF	S 22 34 53.77	E 120 08 27.00
FLIWF	S 40 07 53.01	E 147 52 53.86	GASSO	S 20 00 00.00	E 151 20 24.00	GIAEG	S 22 30 10.80	E 120 16 44.69
FLIWH	S 40 10 04.43	E 147 56 27.06	GATER	S 28 26 55.37	E 155 41 04.03	GIAEH	S 22 34 53.83	E 120 20 18.01
FLIWI	S 40 09 48.46	E 147 46 52.72	GATOR	S 12 27 43.00	E 131 45 25.00	GIAEI	S 22 34 53.68	E 120 14 53.84
FLIWM	S 40 05 57.25	E 147 58 54.66	GAULI	S 27 29 26.52	E 153 04 05.41	GIAEJ	S 22 39 36.56	E 120 16 44.74
FLORA	S 28 47 12.00	E 138 18 42.00	GAVAS	S 32 20 00.00	E 146 59 36.00	GIAEM	S 22 34 53.83	E 120 02 52.08
FLYNN	S 27 31 09.23	E 152 56 28.16	GAYED	S 25 27 02.67	E 151 48 32.52	GIAWB	S 22 39 36.50	E 119 47 32.70
FOGGI	S 16 39 23.27	E 145 53 33.59	GAYEE	S 25 29 56.44	E 151 54 01.12	GIAWC	S 22 34 53.55	E 119 43 59.46
FOKER	S 31 09 54.60	E 115 55 41.40	GAYEF	S 25 34 08.51	E 151 43 58.76	GIAWD	S 22 30 10.74	E 119 47 32.80
FOLEY	S 21 53 05.21	E 130 43 19.20	GAYEG	S 25 35 36.18	E 151 52 53.69	GIAWF	S 22 34 53.74	E 119 55 50.46
FONLO	S 43 28 52.06	E 157 46 28.26	GAYEH	S 25 37 29.66	E 151 35 56.36	GIAWI	S 22 34 53.63	E 119 49 23.62
FORMA	S 20 04 39.06	E 145 25 54.98	GAYEI	S 25 32 02.56	E 151 49 00.03	GIAWM	S 22 34 53.83	E 120 01 24.57
FORTT	S 24 50 12.00	E 150 20 00.00	GAYEM	S 25 36 14.28	E 151 38 57.31	GIBBO	S 36 40 00.00	E 147 51 00.00
FOXLO	S 35 33 08.68	E 149 18 46.70	GAYLA	S 26 55 38.59	E 152 52 11.72	GIBIL	S 35 33 50.57	E 149 12 42.60
FOYLE	S 21 41 30.00	E 145 19 30.00	GAZEL	S 33 14 47.62	E 150 40 18.81	GIBLI	S 21 15 39.57	E 136 34 07.44
FOZZI	S 14 59 08.90	E 129 38 25.84	GDHWA	S 30 54 24.86	E 149 59 17.87	GIDDY	S 37 49 22.70	E 144 51 05.89
FRANK	S 34 06 01.31	E 151 12 04.16	GDHWB	S 30 48 39.82	E 149 59 02.61	GILES	S 35 00 17.67	E 137 47 52.06
FRANZ	S 35 48 52.48	E 143 52 32.98	GDHWC	S 30 46 29.56	E 150 05 12.12	GILLY	S 40 22 40.84	E 156 46 44.97
FRAZA	S 33 26 05.21	E 135 52 27.38	GDHWF	S 30 54 05.71	E 150 08 48.44	GILUM	S 11 36 36.00	E 139 00 48.00
FREDD	S 27 04 12.00	E 145 15 42.00	GDHWH	S 31 04 15.45	E 150 08 24.66	GINGA	S 35 35 42.98	E 148 43 08.01
FREDO	S 33 02 50.40	E 151 50 45.60	GDHWI	S 30 51 22.86	E 150 03 55.38	GIPPS	S 37 42 36.00	E 148 05 06.00
FREDY	S 19 23 42.00	E 146 34 06.00	GDHWM	S 30 56 48.38	E 150 13 41.77	GITOP	S 35 25 41.26	E 137 33 42.39
FRILL	S 32 35 36.00	E 120 36 36.00	GDINA	S 28 19 00.46	E 150 24 38.30	GITSM	S 20 41 26.55	E 116 54 28.65

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
GIVEN	S 12 25 25.52	E 130 38 43.19	GPTSI	S 11 31 53.98	E 130 18 22.34	HARDD	S 27 46 11.76	E 152 48 21.74
GIZMO	S 32 17 09.96	E 149 04 12.46	GPTSM	S 11 24 24.10	E 130 25 09.18	HARMN	S 32 10 12.00	E 115 53 54.00
GLAWA	S 23 47 54.36	E 150 57 57.93	GRABL	S 32 20 13.61	E 118 36 21.32	HARPO	S 21 00 25.94	E 148 46 42.68
GLAWB	S 23 44 23.15	E 150 59 35.31	GRACY	S 37 20 50.16	E 141 34 43.26	HARRO	S 37 46 58.05	E 145 16 46.71
GLAWC	S 23 41 32.81	E 151 02 22.27	GRAEM	S 27 18 55.96	E 153 10 05.13	HARVS	S 25 42 59.94	E 156 04 00.54
GLAWF	S 23 47 37.37	E 151 05 06.18	GRAZE	S 20 08 05.50	E 118 03 11.40	HAWKE	S 26 28 48.93	E 151 55 41.64
GLAWH	S 23 54 52.52	E 151 19 28.49	GREAV	S 28 19 00.13	E 153 38 11.03	HAWKY	S 34 34 27.74	E 137 51 11.00
GLAWI	S 23 45 27.88	E 151 01 25.59	GREGA	S 17 00 20.19	E 132 45 27.99	HAYCO	S 32 08 24.00	E 115 42 06.00
GLAWM	S 23 51 40.24	E 151 11 59.91	GRENE	S 31 53 26.74	E 116 56 10.47	HAYES	S 37 33 06.00	E 145 14 12.00
GLBND	S 34 36 56.39	E 149 50 33.91	GRIGS	S 34 54 34.82	E 138 43 19.58	HAYND	S 34 20 59.31	E 144 59 50.44
GLBNE	S 34 38 11.11	E 149 57 21.02	GROOK	S 23 54 59.10	E 133 38 26.86	HAYNE	S 34 23 16.68	E 145 06 11.69
GLBNF	S 34 44 56.93	E 149 48 24.30	GTEED	S 13 55 40.38	E 136 40 58.17	HAYNF	S 34 28 30.70	E 144 55 53.33
GLBNG	S 34 43 52.88	E 149 58 15.62	GTEEE	S 14 00 51.13	E 136 43 32.71	HAYNG	S 34 29 00.71	E 145 05 46.66
GLBNH	S 34 50 21.10	E 149 41 13.86	GTEEF	S 13 59 15.92	E 136 33 23.32	HAYNH	S 34 32 41.30	E 144 47 37.67
GLBNI	S 34 41 34.10	E 149 52 52.84	GTEEG	S 14 04 59.47	E 136 39 26.20	HAYNI	S 34 25 53.78	E 145 01 02.71
GLBNM	S 34 48 19.58	E 149 43 55.38	GTEEH	S 13 57 59.45	E 136 25 15.91	HAYNM	S 34 31 07.39	E 144 50 43.63
GLBSA	S 35 00 02.93	E 149 35 40.80	GTEEI	S 14 00 03.58	E 136 38 28.00	HAYSA	S 34 44 10.52	E 144 43 32.29
GLBSB	S 34 58 29.68	E 149 28 57.08	GTEEM	S 13 58 28.16	E 136 28 18.68	HAYSB	S 34 43 18.31	E 144 36 39.70
GLBSC	S 34 52 46.33	E 149 28 25.82	GTEWA	S 14 01 00.45	E 136 14 03.76	HAYSC	S 34 37 40.38	E 144 35 18.27
GLBSF	S 34 52 09.11	E 149 38 21.80	GTEWB	S 13 55 49.18	E 136 11 29.48	HAYSF	S 34 36 03.89	E 144 45 02.03
GLBSH	S 34 52 54.37	E 149 45 04.36	GTEWC	S 13 51 41.37	E 136 15 35.88	HAYSH	S 34 30 59.38	E 144 50 52.85
GLBSI	S 34 55 19.49	E 149 33 39.62	GTEWF	S 13 57 25.28	E 136 21 38.57	HAYSI	S 34 39 41.21	E 144 40 51.02
GLBSM	S 34 48 58.55	E 149 43 03.61	GTEWH	S 13 58 41.85	E 136 29 45.95	HAYSM	S 34 32 26.42	E 144 49 12.69
GLENN	S 27 34 30.00	E 153 01 12.00	GTEWI	S 13 56 37.28	E 136 16 34.01	HAZOS	S 30 23 46.77	E 137 40 43.40
GLINA	S 29 30 03.35	E 151 30 58.20	GTEWM	S 13 58 13.17	E 136 26 43.17	HBAEA	S 25 21 04.19	E 153 07 26.17
GLINC	S 29 25 17.63	E 151 34 39.46	GTHEA	S 34 07 16.80	E 146 17 14.02	HBAEB	S 25 26 47.30	E 153 08 08.82
GLIND	S 29 26 41.56	E 151 41 01.58	GTHEB	S 34 11 01.24	E 146 22 28.90	HBAEC	S 25 29 21.00	E 153 02 28.26
GLINF	S 29 34 39.59	E 151 38 44.62	GTHEC	S 34 16 24.00	E 146 20 02.95	HBAEF	S 25 21 59.31	E 152 58 26.76
GLINH	S 29 42 09.06	E 151 42 01.29	GTHEF	S 34 13 30.44	E 146 10 47.97	HBAEH	S 25 16 41.74	E 152 47 47.31
GLINI	S 29 29 58.63	E 151 36 41.95	GTHEH	S 34 15 29.01	E 146 01 26.68	HBAEI	S 25 24 23.41	E 153 03 17.73
GLINM	S 29 39 20.52	E 151 40 47.48	GTHEI	S 34 12 15.97	E 146 16 38.57	HBAEM	S 25 19 35.05	E 152 53 35.99
GLOBE	S 34 47 48.42	E 138 33 54.85	GTHEM	S 34 14 44.63	E 146 04 57.21	HBAWD	S 25 17 25.71	E 152 38 28.08
GLTED	S 23 51 55.59	E 151 27 41.81	GTHWD	S 34 24 36.17	E 145 52 21.26	HBAWE	S 25 11 42.54	E 152 37 46.76
GLTEE	S 23 57 29.12	E 151 29 18.95	GTHWE	S 34 21 39.12	E 145 46 24.41	HBAWF	S 25 16 31.74	E 152 47 27.09
GLTEF	S 23 54 02.85	E 151 19 03.72	GTHWF	S 34 17 33.31	E 145 57 25.62	HBAWG	S 25 09 09.76	E 152 43 26.95
GLTEG	S 24 00 47.05	E 151 24 11.04	GTHWG	S 34 16 00.61	E 145 47 43.03	HBAWH	S 25 20 22.64	E 152 55 11.90
GLTEH	S 23 55 26.69	E 151 06 08.37	GTHWH	S 34 14 15.92	E 146 06 13.91	HBAWI	S 25 14 07.22	E 152 42 36.83
GLTEI	S 23 55 46.07	E 151 24 11.27	GTHWI	S 34 19 36.36	E 145 51 55.10	HBAWM	S 25 18 56.10	E 152 52 17.53
GLTEM	S 23 52 19.45	E 151 13 56.30	GTHWM	S 34 15 30.02	E 146 02 55.88	HCQNA	S 18 02 07.68	E 127 45 12.78
GLTWA	S 23 48 34.06	E 150 55 59.30	GUDUG	S 07 04 36.00	E 075 00 00.00	HCQNC	S 18 03 00.36	E 127 51 09.73
GLTWB	S 23 42 49.97	E 150 55 28.11	GUGAB	S 29 41 06.83	E 139 49 59.24	HCQND	S 18 08 39.24	E 127 52 20.21
GLTWC	S 23 40 25.22	E 151 01 08.52	GUGUK	S 14 56 28.54	E 138 52 36.03	HCQNF	S 18 10 15.33	E 127 43 53.94
GLTWF	S 23 47 52.79	E 151 04 53.35	GUKON	S 22 56 21.33	E 121 30 54.42	HCQNH	S 18 16 03.10	E 127 38 04.87
GLTWH	S 23 53 10.13	E 151 14 47.64	GULFF	S 14 22 00.00	E 140 00 00.00	HCQNI	S 18 06 37.88	E 127 47 31.91
GLTWI	S 23 45 21.45	E 151 00 10.64	GULFS	S 34 51 11.14	E 138 08 08.25	HCQNM	S 18 13 52.71	E 127 40 15.82
GLTWM	S 23 51 39.52	E 151 11 57.76	GULLY	S 34 47 26.48	E 138 45 38.76	HCQSE	S 18 26 12.28	E 127 34 43.27
GLYDE	S 12 18 32.09	E 131 10 22.39	GULOP	S 15 49 12.40	E 141 55 22.40	HCQSF	S 18 18 04.72	E 127 36 02.66
GOANA	S 32 26 29.78	E 154 09 23.46	GULUM	S 23 13 12.64	E 128 27 48.80	HCQSG	S 18 25 19.10	E 127 28 45.61
GODIP	S 12 00 12.00	E 144 07 42.00	GUNAM	S 14 42 02.45	E 125 12 12.66	HCQSH	S 18 12 17.02	E 127 41 51.87
GOKEN	S 30 11 51.05	E 140 57 58.80	GUNGN	S 31 58 12.68	E 116 07 58.97	HCQSI	S 18 21 41.94	E 127 32 24.21
GOKUP	S 23 20 26.69	E 118 33 05.00	GUNIG	S 37 45 00.87	E 145 04 56.74	HCQSJ	S 18 19 40.09	E 127 27 35.78
GOLDY	S 19 50 40.08	E 146 42 13.04	GUNTA	S 33 12 12.06	E 151 28 18.77	HCQSM	S 18 14 27.43	E 127 39 40.96
GOLOM	S 32 44 33.60	E 152 07 21.00	GUPOX	S 16 44 53.70	E 080 00 00.00	HEALE	S 13 08 48.00	E 140 00 00.00
GOMAP	S 22 42 29.04	E 129 20 28.46	GURAK	S 30 51 53.74	E 115 38 55.20	HECTO	S 33 00 18.00	E 120 30 54.00
GOOMA	S 33 09 38.50	E 155 02 58.17	GUSKO	S 34 48 25.87	E 138 29 12.43	HELEN	S 12 38 17.59	E 131 33 06.28
GOONY	S 35 03 52.65	E 149 12 24.74	GUTEV	S 08 04 23.76	E 131 19 35.76	HELIX	S 40 00 00.10	E 146 51 36.52
GOOTA	S 22 01 37.96	E 118 19 18.72	GUTTA	S 27 10 43.78	E 153 07 43.37	HELLI	S 13 14 34.55	E 129 49 37.00
GORDN	S 18 21 45.05	E 121 56 57.50	GUVNA	S 23 02 00.13	E 118 41 24.85	HELNA	S 31 56 45.96	E 116 23 41.06
GORDO	S 32 32 44.85	E 154 55 03.23	GUXIB	S 23 38 08.57	E 159 30 48.08	HENDO	S 17 13 14.84	E 145 54 15.99
GORDY	S 27 25 12.95	E 152 46 10.83	HAAKE	S 34 54 45.02	E 138 20 12.54	HERMA	S 24 00 45.69	E 132 48 48.45
GORGN	S 20 43 35.40	E 116 38 41.42	HACHI	S 28 13 17.50	E 149 23 14.95	HERNE	S 31 49 48.51	E 116 03 41.84
GORKA	S 26 12 42.20	E 132 52 07.65	HAIGH	S 31 47 59.91	E 116 00 21.02	HERON	S 16 32 48.00	E 144 26 36.00
GORRI	S 27 27 10.46	E 152 55 54.33	HAKIT	S 16 46 34.10	E 145 46 04.00	HEWIT	S 42 30 00.58	E 150 55 28.63
GORTN	S 35 09 19.45	E 149 12 21.42	HALAS	S 33 50 52.52	E 151 15 44.45	HICKY	S 12 36 45.62	E 130 56 03.09
GOSAM	S 19 35 56.80	E 146 42 55.60	HALEM	S 26 07 53.98	E 117 32 23.37	HIINE	S 28 49 56.08	E 134 22 23.94
GOSKO	S 37 45 11.52	E 144 43 45.42	HALIT	S 32 37 42.00	E 118 47 48.00	HILAR	S 31 38 42.84	E 148 29 09.50
GOSNL	S 32 04 20.91	E 116 05 10.21	HALON	S 24 00 00.00	E 152 52 18.00	HILLS	S 37 43 21.50	E 145 15 09.15
GOSVU	S 20 31 41.94	E 149 05 19.77	HAMEL	S 26 50 28.36	E 114 10 47.94	HILRY	S 31 49 33.14	E 115 46 57.62
GOVER	S 33 54 35.55	E 152 38 36.33	HAMER	S 24 09 18.00	E 143 28 12.00	HILSA	S 27 49 22.49	E 127 34 08.16
GPTSA	S 11 36 19.38	E 130 20 47.05	HAMTN	S 32 21 50.00	E 117 39 22.20	HIMOD	S 34 48 20.67	E 138 40 59.91
GPTSB	S 11 35 38.75	E 130 14 58.78	HANCH	S 34 42 22.00	E 138 20 30.00	HINDS	S 30 47 41.61	E 116 32 16.49
GPTSC	S 11 30 02.17	E 130 13 38.48	HANKY	S 15 08 36.00	E 138 20 42.00	HINDY	S 36 10 00.44	E 142 05 06.95
GPTSF	S 11 28 09.01	E 130 21 45.80	HANNA	S 12 54 10.81	E 129 37 58.34	HIPPO	S 35 27 54.86	E 149 23 06.80
GPTSH	S 11 22 09.13	E 130 27 11.17	HAPPI	S 34 57 49.45	E 148 01 34.66	HIRST	S 34 54 37.72	E 138 56 52.38

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
HISED	S 10 29 21.84	E 142 29 02.40	HOTEF	S 37 06 45.37	E 147 27 24.40	IMBNM	S 33 05 15.84	E 136 28 18.39
HISEE	S 10 33 45.80	E 142 32 48.04	HOTEH	S 37 12 43.74	E 147 21 30.51	IMBSA	S 33 17 54.77	E 136 22 54.28
HISEF	S 10 34 40.64	E 142 22 41.36	HOTEI	S 37 09 30.80	E 147 32 37.55	IMBSB	S 33 17 22.85	E 136 16 05.46
HISEG	S 10 38 45.90	E 142 29 54.53	HOTEM	S 37 03 59.71	E 147 22 11.62	IMBSC	S 33 11 49.26	E 136 14 21.69
HISEH	S 10 35 24.28	E 142 14 35.98	HOTTA	S 22 29 36.00	E 142 58 12.00	IMBSF	S 33 09 44.42	E 136 23 48.16
HISEI	S 10 34 13.26	E 142 27 44.71	HOUND	S 16 03 48.00	E 131 42 12.00	IMBSH	S 33 03 37.33	E 136 29 57.36
HISEM	S 10 35 07.93	E 142 17 38.00	HOVEA	S 31 52 42.05	E 116 04 54.23	IMBSI	S 33 13 33.69	E 136 19 56.98
HISWA	S 10 40 57.67	E 142 05 27.64	HOWLY	S 34 46 00.00	E 147 36 36.00	IMBSM	S 33 05 55.02	E 136 27 39.01
HISWB	S 10 36 33.40	E 142 01 42.30	HSMEA	S 36 35 20.75	E 142 25 58.91	INCON	S 12 35 03.03	E 131 01 03.09
HISWC	S 10 31 33.55	E 142 04 36.24	HSMEB	S 36 40 01.47	E 142 30 06.94	INDEE	S 28 04 43.00	E 153 30 58.00
HISWF	S 10 35 39.23	E 142 11 49.10	HSMEC	S 36 44 45.34	E 142 26 04.35	INGMA	S 36 06 02.91	E 160 01 46.37
HISWH	S 10 34 55.66	E 142 19 54.49	HSMEF	S 36 40 05.94	E 142 17 41.11	INOKE	S 32 02 00.44	E 151 19 29.16
HISWI	S 10 36 06.35	E 142 06 45.71	HSMEH	S 36 40 08.59	E 142 07 44.32	IRMUX	S 37 50 18.90	E 145 06 38.32
HISWM	S 10 35 12.02	E 142 16 52.47	HSMEI	S 36 40 03.87	E 142 23 54.08	IRONS	S 41 46 24.00	E 146 27 42.00
HITCH	S 33 42 36.00	E 125 00 00.00	HSMEM	S 36 40 07.69	E 142 11 28.12	IRWIN	S 29 21 18.95	E 115 06 45.63
HLCNA	S 18 01 24.14	E 127 45 56.59	HSMWD	S 36 44 53.06	E 141 55 21.84	ISAAK	S 22 22 54.00	E 148 40 30.00
HLCNC	S 18 02 16.90	E 127 51 53.34	HSMWE	S 36 40 11.11	E 141 51 15.63	ISKIM	S 29 30 56.72	E 151 39 46.96
HLCND	S 18 07 55.96	E 127 53 03.72	HSMWF	S 36 40 09.41	E 142 03 41.57	ISLAV	S 32 51 37.67	E 132 20 47.56
HLCNF	S 18 09 31.86	E 127 44 37.57	HSMWG	S 36 35 28.39	E 141 55 20.15	ISMOR	S 28 30 10.70	E 131 11 48.77
HLCNH	S 18 15 19.63	E 127 38 48.52	HSMWH	S 36 33 20.25	E 142 11 21.16	ISNIB	S 26 27 24.57	E 115 40 33.87
HLCNI	S 18 05 54.42	E 127 48 15.53	HSMWI	S 36 40 10.42	E 141 57 28.55	ISPID	S 14 10 51.40	E 151 10 40.29
HLCNM	S 18 13 09.24	E 127 40 59.46	HSMWM	S 36 40 08.07	E 142 09 54.57	ISRAN	S 11 43 02.42	E 106 33 07.77
HLCSE	S 18 26 23.94	E 127 34 31.67	HUGEA	S 20 52 40.89	E 144 27 03.30	ISRUP	S 31 41 38.60	E 116 13 16.69
HLCSF	S 18 18 16.46	E 127 35 50.88	HUGEB	S 20 58 25.90	E 144 26 45.78	ISTEM	S 24 35 51.18	E 160 23 00.08
HLCSG	S 18 25 30.84	E 127 28 33.82	HUGEC	S 21 00 08.33	E 144 20 54.54	ISVAN	S 27 13 18.14	E 152 56 01.62
HLCSH	S 18 12 28.76	E 127 41 40.09	HUGEF	S 20 52 17.16	E 144 18 19.05	ITCHY	S 15 06 45.21	E 122 32 49.26
HLCSI	S 18 21 53.69	E 127 32 12.42	HUGEH	S 20 47 21.86	E 144 11 34.17	ITIDE	S 26 44 06.52	E 153 29 23.68
HLCSJ	S 18 19 52.02	E 127 27 23.90	HUGEI	S 20 55 21.58	E 144 22 32.33	ITORT	S 19 18 06.56	E 146 07 36.09
HLCSM	S 18 14 39.17	E 127 39 29.18	HUGEM	S 20 49 12.63	E 144 14 05.95	ITSMA	S 17 49 25.12	E 132 16 05.68
HMLNA	S 37 26 28.73	E 141 57 50.16	HUMOK	S 31 19 12.00	E 147 28 00.00	ITTSA	S 12 36 32.52	E 131 11 58.71
HMLNC	S 37 23 11.64	E 142 03 44.49	HURTT	S 12 15 54.31	E 130 41 58.70	IVLSA	S 30 05 09.89	E 151 16 56.70
HMLND	S 37 26 29.52	E 142 09 38.12	HUSKY	S 34 29 42.00	E 131 30 00.00	IVLSB	S 30 09 19.87	E 151 12 23.37
HMLNF	S 37 33 12.36	E 142 03 43.43	HYDRA	S 34 46 18.00	E 135 00 00.00	IVLSC	S 30 07 01.77	E 151 06 19.57
HMLNH	S 37 41 12.92	E 142 03 42.58	IBABI	S 33 37 51.13	E 141 00 51.22	IVLSF	S 29 59 30.36	E 151 10 06.30
HMLNI	S 37 28 12.00	E 142 03 43.96	IBETA	S 40 00 00.00	E 143 00 00.00	IVLSH	S 29 51 38.72	E 151 08 16.96
HMLNM	S 37 38 12.71	E 142 03 42.90	IBUNA	S 27 03 27.77	E 152 28 31.83	IVLSI	S 30 04 25.12	E 151 11 14.78
HMLSE	S 37 51 14.35	E 142 09 37.47	IDANU	S 26 40 57.70	E 135 43 46.23	IVLSM	S 29 54 35.59	E 151 08 57.93
HMLSF	S 37 44 31.04	E 142 03 42.23	IDELU	S 11 35 45.39	E 136 21 48.06	IVPEM	S 32 31 36.00	E 128 00 00.00
HMLSG	S 37 54 31.72	E 142 03 41.17	IDEVI	S 06 13 00.00	E 083 18 54.00	IVSUD	S 20 32 26.59	E 149 04 34.19
HMLSH	S 37 36 30.48	E 142 03 43.08	IDODA	S 29 26 46.37	E 145 02 14.81	JAAPI	S 28 18 32.23	E 153 35 53.35
HMLSI	S 37 49 31.38	E 142 03 41.70	IDOKU	S 18 15 32.73	E 111 06 50.75	JABAL	S 21 56 29.10	E 115 34 30.69
HMLSJ	S 37 51 13.56	E 141 57 45.57	IDOTO	S 11 31 05.96	E 126 38 48.41	JABBA	S 12 09 10.91	E 130 31 31.01
HMLSM	S 37 39 30.69	E 142 03 42.76	IDUNA	S 21 38 11.00	E 149 46 22.00	JABEA	S 12 35 47.55	E 133 06 39.99
HOBAY	S 37 59 36.00	E 144 51 42.00	IDUSO	S 29 01 11.19	E 137 18 42.29	JABEB	S 12 40 45.81	E 133 09 37.76
HOBBO	S 12 00 00.01	E 153 09 32.68	IFFEY	S 31 57 33.59	E 154 21 30.65	JABEC	S 12 45 11.86	E 133 05 53.14
HOBBS	S 33 48 18.49	E 139 42 09.19	IFLEA	S 17 41 05.89	E 146 13 21.83	JABEF	S 12 39 56.82	E 132 59 26.17
HODDA	S 13 16 04.39	E 131 57 55.61	IFLEB	S 17 46 38.00	E 146 11 42.33	JABEH	S 12 39 17.35	E 132 51 16.93
HOGAN	S 33 53 22.12	E 149 34 52.05	IFLEC	S 17 47 01.87	E 146 05 42.53	JABEI	S 12 40 21.37	E 133 04 31.99
HOGES	S 16 41 18.62	E 145 39 48.57	IFLEF	S 17 38 49.58	E 146 05 07.12	JABEM	S 12 39 32.17	E 132 54 20.39
HOKOR	S 13 37 18.00	E 138 00 00.00	IFLEH	S 17 25 12.20	E 146 03 10.48	JABWD	S 12 43 07.00	E 132 40 08.18
HOLIS	S 26 51 12.47	E 153 10 38.18	IFLEI	S 17 42 43.82	E 146 08 24.65	JABWE	S 12 38 08.50	E 132 37 11.02
HOLIT	S 34 27 56.88	E 138 21 22.68	IFLEM	S 17 34 55.28	E 146 01 49.72	JABWF	S 12 38 58.32	E 132 47 22.32
HOLLA	S 34 07 00.00	E 128 00 00.00	IGLAS	S 35 00 19.38	E 138 21 20.12	JABWG	S 12 33 42.92	E 132 40 55.94
HONEY	S 35 35 55.29	E 149 03 45.11	IGMEA	S 18 29 54.41	E 146 15 24.55	JABWH	S 12 34 24.22	E 132 52 53.11
HONGI	S 21 29 57.25	E 131 21 23.66	IGMEB	S 18 31 28.08	E 146 22 40.09	JABWI	S 12 38 33.45	E 132 42 16.62
HOODY	S 34 24 54.00	E 119 34 36.00	IGMEC	S 18 37 13.20	E 146 22 23.12	JABWM	S 12 39 23.10	E 132 52 28.06
HOOKM	S 28 05 13.11	E 153 32 24.70	IGMEF	S 18 36 49.88	E 146 13 46.17	JACKA	S 38 46 12.00	E 145 15 48.00
HOOKS	S 34 21 01.18	E 151 07 58.04	IGMEH	S 18 42 23.62	E 146 10 13.76	JACKI	S 12 08 45.07	E 129 34 25.87
HOOLI	S 21 56 51.73	E 118 07 43.91	IGMEI	S 18 34 09.03	E 146 18 13.20	JACKO	S 30 52 11.76	E 130 00 00.00
HOORN	S 20 50 51.58	E 116 32 50.27	IGMEM	S 18 39 30.62	E 146 09 19.00	JACKS	S 32 40 21.64	E 143 51 39.43
HOOWA	S 18 22 20.68	E 130 24 47.10	IGOPO	S 11 56 39.77	E 134 07 05.82	JADEL	S 37 33 48.00	E 144 57 06.00
HOOWB	S 18 17 05.00	E 130 22 20.04	IGPON	S 37 40 13.66	E 145 13 02.34	JAFFA	S 31 22 30.00	E 151 41 36.00
HOOWC	S 18 13 05.04	E 130 26 40.21	IGUBO	S 11 35 45.56	E 103 20 32.92	JAKLN	S 34 08 49.02	E 151 22 24.13
HOOWF	S 18 18 59.89	E 130 32 39.10	IKASA	S 19 59 59.99	E 103 29 09.59	JAMBO	S 32 51 35.63	E 124 00 00.00
HOOWH	S 18 20 31.39	E 130 40 54.51	IKODA	S 16 37 24.00	E 157 26 54.00	JAMMO	S 37 16 39.29	E 150 47 16.49
HOOWI	S 18 18 02.52	E 130 27 29.54	IKONO	S 30 49 41.28	E 137 39 15.31	JAMOR	S 35 33 54.65	E 142 47 16.51
HOOWM	S 18 19 57.12	E 130 37 48.71	IKUMA	S 10 25 48.00	E 127 08 06.00	JANDO	S 32 05 30.37	E 115 55 15.07
HOPLA	S 37 39 11.81	E 144 41 43.17	IMATI	S 27 29 19.74	E 152 23 34.47	JANNA	S 27 44 30.51	E 116 26 01.04
HORSE	S 23 12 48.75	E 115 29 12.80	IMBND	S 32 53 15.86	E 136 33 01.71	JANUS	S 12 51 06.28	E 132 11 53.99
HORSH	S 37 43 35.71	E 144 50 55.22	IMBNE	S 32 53 46.86	E 136 39 48.77	JARJA	S 32 56 39.70	E 151 30 23.71
HORUS	S 37 26 41.75	E 145 09 44.55	IMBNF	S 33 01 26.30	E 136 32 08.85	JATAR	S 16 26 39.40	E 125 28 21.44
HOTEA	S 37 06 32.01	E 147 37 39.02	IMBNG	S 32 59 20.12	E 136 41 33.80	JAVVI	S 02 00 00.00	E 085 00 00.00
HOTEB	S 37 12 16.00	E 147 37 51.09	IMBNH	S 33 07 33.51	E 136 25 59.96	JAYBE	S 27 12 26.41	E 117 30 50.10
HOTEC	S 37 14 22.87	E 147 31 09.87	IMBNI	S 32 57 36.64	E 136 35 58.98	JAYBI	S 37 38 27.70	E 144 32 02.88

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
JAYDE	S 29 04 28.09	E 153 14 55.44	KARAB	S 31 33 18.57	E 116 52 42.29	KKGNE	S 17 12 51.50	E 130 57 26.67
JEANI	S 30 47 18.00	E 147 54 30.00	KARAG	S 29 00 00.00	E 144 35 41.86	KKGNF	S 17 21 13.75	E 130 51 40.40
JEDDA	S 27 09 25.61	E 151 57 10.26	KAREN	S 42 05 15.14	E 147 39 52.58	KKGNG	S 17 18 13.00	E 130 59 38.48
JELLI	S 33 53 37.82	E 151 22 42.83	KARKA	S 13 05 26.71	E 130 51 02.84	KKGNH	S 17 27 55.42	E 130 47 03.01
JEMMA	S 19 49 10.56	E 147 11 30.37	KARRA	S 12 35 06.09	E 132 15 33.62	KKGNI	S 17 17 02.65	E 130 54 33.60
JENIF	S 37 38 42.00	E 145 15 36.00	KARSI	S 13 57 17.98	E 132 50 12.20	KKGNM	S 17 25 24.81	E 130 48 47.07
JENTL	S 33 48 39.89	E 151 09 17.56	KASBU	S 35 09 29.44	E 138 41 17.18	KKGSA	S 17 38 23.02	E 130 45 43.08
JESSE	S 12 13 44.43	E 130 15 15.13	KASPA	S 25 48 46.70	E 152 32 09.55	KKGSB	S 17 38 31.60	E 130 39 42.82
JEWEL	S 37 56 34.20	E 147 05 28.80	KATAR	S 26 23 39.30	E 129 04 24.78	KKGSC	S 17 33 09.90	E 130 37 31.36
JEZZA	S 27 22 06.00	E 153 06 28.00	KATCM	S 31 09 17.74	E 117 27 09.50	KKGSF	S 17 30 09.71	E 130 45 30.18
JILGO	S 25 00 00.00	E 119 10 55.57	KATEB	S 27 16 00.51	E 153 47 30.33	KKGSH	S 17 23 28.07	E 130 50 07.68
JIRRA	S 23 43 14.51	E 134 08 36.00	KATHI	S 32 59 26.14	E 119 34 10.43	KKGSI	S 17 34 20.68	E 130 42 36.57
JLCED	S 20 39 14.41	E 141 57 10.80	KATIA	S 35 29 48.29	E 149 11 40.92	KKGSM	S 17 25 58.70	E 130 48 23.66
JLCEE	S 20 44 42.82	E 141 59 03.62	KATKA	S 17 04 48.86	E 146 02 57.60	KLAVA	S 34 11 45.05	E 138 30 26.33
JLCEF	S 20 41 45.94	E 141 48 51.77	KAYTU	S 38 54 04.08	E 143 00 00.03	KMPND	S 30 53 14.61	E 152 54 29.23
JLCEG	S 20 48 15.18	E 141 54 13.62	KBYED	S 32 54 15.46	E 134 32 10.14	KMPNE	S 30 55 08.57	E 153 00 46.89
JLCEH	S 20 39 24.01	E 141 40 42.58	KBYEE	S 32 59 59.21	E 134 31 38.00	KMPNF	S 31 00 59.66	E 152 51 20.07
JLCEI	S 20 43 14.46	E 141 53 57.65	KBYEF	S 32 53 36.41	E 134 22 28.24	KMPNG	S 31 00 53.51	E 153 00 52.12
JLCEM	S 20 40 17.28	E 141 43 46.00	KBYEG	S 33 01 31.14	E 134 25 03.56	KMPNH	S 31 09 56.50	E 152 50 15.94
JLCWA	S 20 40 56.40	E 141 29 02.24	KBYEH	S 32 48 29.69	E 134 15 09.37	KMPNI	S 30 58 04.18	E 152 56 03.66
JLCWB	S 20 35 27.28	E 141 27 09.98	KBYEI	S 32 56 47.90	E 134 27 02.96	KMPNM	S 31 03 54.97	E 152 46 36.20
JLCWC	S 20 31 55.69	E 141 31 59.52	KBYEM	S 32 50 24.76	E 134 17 53.85	KNGEA	S 33 32 33.20	E 117 50 32.76
JLCWF	S 20 38 25.41	E 141 37 20.99	KBYWA	S 32 46 04.36	E 134 02 58.86	KNGEB	S 33 35 27.76	E 117 56 27.94
JLCWH	S 20 40 47.48	E 141 45 30.09	KBYWB	S 32 40 20.72	E 134 03 32.74	KNGEC	S 33 41 06.89	E 117 55 13.57
JLCWI	S 20 36 56.42	E 141 32 15.44	KBYWC	S 32 38 49.92	E 134 10 06.00	KNGEF	S 33 39 37.62	E 117 45 34.40
JLCWM	S 20 39 54.25	E 141 42 26.65	KBYWF	S 32 46 44.91	E 134 12 39.79	KNGEH	S 33 42 56.81	E 117 36 50.81
JNORT	S 18 10 19.14	E 122 24 14.33	KBYWH	S 32 51 51.79	E 134 19 58.38	KNGEI	S 33 37 32.81	E 117 51 01.30
JODEX	S 31 47 13.72	E 150 16 13.57	KBYWI	S 32 43 32.90	E 134 08 06.11	KNGEM	S 33 41 42.19	E 117 40 07.24
JOKER	S 31 25 00.00	E 151 51 48.00	KBYWM	S 32 49 56.76	E 134 17 13.81	KNOBL	S 34 55 46.84	E 138 33 33.13
JOLLY	S 23 00 00.00	E 110 00 00.00	KEATS	S 35 32 36.28	E 148 52 47.23	KNOPL	S 28 35 10.21	E 123 57 16.92
JOOVI	S 30 39 48.00	E 150 17 18.00	KEBAB	S 33 16 20.95	E 154 29 33.62	KOALA	S 31 30 02.03	E 154 59 16.70
JORDN	S 29 03 47.67	E 134 01 25.09	KEDDY	S 34 34 33.51	E 149 27 34.04	KOIKI	S 32 07 53.74	E 116 13 36.97
JORDY	S 32 23 32.92	E 154 41 12.44	KEEFO	S 34 58 00.92	E 138 16 49.86	KONDA	S 16 37 51.39	E 144 54 21.70
JOSBU	S 33 08 12.60	E 116 40 24.20	KEELA	S 37 44 30.00	E 144 47 18.00	KONDO	S 33 09 48.00	E 140 27 06.00
JOSHU	S 13 45 43.11	E 130 56 22.39	KEELS	S 31 28 36.66	E 113 22 44.27	KONIL	S 29 59 34.09	E 118 12 33.60
JOSSO	S 38 15 54.00	E 147 06 30.00	KEEWI	S 16 45 48.00	E 145 56 00.00	KOOKA	S 15 42 49.77	E 143 25 34.07
JUBOB	S 12 31 05.40	E 131 06 56.40	KEGAN	S 28 01 09.93	E 153 35 17.38	KOOLI	S 12 24 11.36	E 131 06 39.04
JUDIE	S 15 00 06.00	E 140 00 00.00	KELAN	S 37 57 03.00	E 147 24 24.00	KORIT	S 37 40 34.51	E 144 37 59.01
JUGGL	S 20 55 02.63	E 125 39 28.24	KELLA	S 31 32 55.07	E 117 39 21.93	KOSSY	S 25 50 51.00	E 122 40 54.00
JULES	S 15 09 30.76	E 130 46 33.46	KELLY	S 35 41 49.48	E 148 51 15.15	KOTIN	S 29 34 51.73	E 146 57 05.46
JULIA	S 34 14 56.99	E 151 19 31.44	KELPI	S 22 34 10.23	E 151 35 11.61	KOUPA	S 27 20 02.00	E 153 14 21.00
JULIE	S 11 47 45.71	E 129 42 13.21	KELTA	S 34 59 42.83	E 138 19 49.38	KOUTA	S 37 27 54.00	E 145 10 54.00
JULIM	S 31 24 58.60	E 116 17 38.36	KELVN	S 13 09 24.00	E 136 37 42.00	KOWED	S 15 31 13.58	E 141 58 40.05
JULUP	S 13 33 12.83	E 130 10 25.54	KENDL	S 30 45 19.14	E 134 06 36.72	KOWEE	S 15 36 57.80	E 141 59 11.91
JUMPA	S 35 05 58.32	E 159 11 41.15	KENET	S 31 55 22.73	E 115 28 12.96	KOWEF	S 15 31 57.52	E 141 50 12.99
JUNWA	S 26 31 29.71	E 120 21 25.59	KEPPA	S 36 47 47.70	E 143 58 32.95	KOWEG	S 15 39 24.49	E 141 53 48.98
JUNWB	S 26 27 12.33	E 120 17 09.42	KERIN	S 16 12 36.00	E 141 17 42.00	KOWEH	S 15 28 19.72	E 141 42 50.79
JUNWC	S 26 22 08.34	E 120 20 10.10	KERMI	S 19 37 47.53	E 147 14 16.98	KOWEI	S 15 34 27.71	E 141 54 42.40
JUNWF	S 26 26 00.75	E 120 28 13.14	KERRI	S 28 09 10.62	E 153 37 17.99	KOWEM	S 15 29 27.25	E 141 45 43.69
JUNWH	S 26 24 51.94	E 120 38 43.46	KERRS	S 34 47 18.06	E 138 52 51.58	KOWWA	S 15 27 01.45	E 141 31 38.42
JUNWI	S 26 26 36.65	E 120 22 41.31	KETCH	S 31 49 27.17	E 115 39 54.66	KOWWB	S 15 21 17.16	E 141 31 07.34
JUNWM	S 26 25 24.63	E 120 33 44.91	KETEN	S 25 04 17.32	E 152 01 27.99	KOWWC	S 15 18 51.02	E 141 36 30.06
JUSTY	S 37 56 02.02	E 144 34 22.06	KEVEK	S 37 49 56.42	E 144 44 15.50	KOWWF	S 15 26 18.22	E 141 40 05.34
KABEK	S 33 23 18.61	E 139 24 39.55	KEVIE	S 27 18 09.13	E 152 46 18.28	KOWWH	S 15 30 18.80	E 141 47 16.04
KABTA	S 05 54 30.00	E 079 00 00.00	KEVIN	S 34 08 11.50	E 151 22 16.80	KOWWI	S 15 23 47.74	E 141 35 36.28
KABUT	S 17 12 16.59	E 145 55 08.26	KEXIM	S 22 24 48.90	E 129 50 21.41	KOWWM	S 15 28 48.61	E 141 44 34.50
KACEY	S 35 26 37.19	E 146 53 32.05	KIIEA	S 39 53 27.33	E 144 09 56.01	KROPP	S 33 44 52.75	E 151 08 09.98
KADAP	S 02 00 00.00	E 084 09 36.00	KIIEB	S 39 59 05.87	E 144 11 18.28	KROWS	S 36 49 54.00	E 137 15 42.00
KADEM	S 17 48 54.00	E 075 00 00.00	KIIEC	S 40 02 01.02	E 144 04 52.63	KRYNA	S 26 22 43.27	E 151 42 27.91
KADRI	S 22 00 00.00	E 133 22 49.43	KIIEF	S 39 54 57.23	E 143 59 28.11	KRYNC	S 26 18 35.46	E 151 46 54.58
KADUN	S 22 21 00.40	E 121 51 06.48	KIIEH	S 39 51 37.45	E 143 50 01.00	KRYND	S 26 20 56.27	E 151 52 44.30
KADUV	S 32 01 35.57	E 145 19 05.06	KIIEI	S 39 57 01.70	E 144 05 23.01	KRYNF	S 26 28 26.36	E 151 49 01.04
KALAM	S 31 57 42.00	E 116 09 12.00	KIIEM	S 39 52 52.46	E 143 53 33.56	KRYNH	S 26 36 19.04	E 151 50 42.47
KALBI	S 08 52 18.00	E 075 00 00.00	KIKEM	S 09 52 54.00	E 126 07 24.00	KRYNI	S 26 23 30.91	E 151 47 57.77
KALNI	S 37 44 58.43	E 144 46 51.20	KIKEX	S 37 29 29.95	E 144 56 48.31	KRYNM	S 26 33 21.79	E 151 50 04.41
KALSA	S 23 26 38.89	E 119 08 42.74	KILEL	S 23 09 30.00	E 116 46 24.00	KSCNA	S 35 29 40.56	E 137 31 40.46
KALUG	S 25 54 00.00	E 136 43 30.00	KIMMI	S 14 38 49.66	E 144 30 08.86	KSCNC	S 35 28 18.57	E 137 38 29.76
KAMBA	S 33 29 41.19	E 151 25 57.28	KINGS	S 12 38 06.84	E 130 46 09.46	KSCND	S 35 33 04.94	E 137 42 24.36
KAMPI	S 34 09 42.00	E 151 13 12.00	KINTO	S 30 36 49.00	E 120 54 31.91	KSCNF	S 35 37 38.71	E 137 34 03.55
KAMUN	S 03 30 18.00	E 080 53 30.00	KIPPA	S 20 04 40.87	E 143 13 41.65	KSCNH	S 35 45 06.70	E 137 30 29.83
KANBU	S 23 10 48.00	E 149 29 00.00	KIRAN	S 19 28 30.00	E 146 48 06.00	KSCNI	S 35 32 58.66	E 137 36 16.78
KANGA	S 31 31 34.16	E 156 43 30.14	KIRST	S 30 47 49.20	E 140 36 39.05	KSCNM	S 35 42 18.72	E 137 31 50.05
KANGO	S 37 41 48.00	E 145 15 30.00	KITTY	S 12 29 44.98	E 130 51 33.26	KUNDA	S 38 33 38.85	E 145 29 48.06
KAPSO	S 12 00 00.00	E 146 43 00.00	KKGND	S 17 13 00.43	E 130 51 27.25	KURLA	S 34 20 39.30	E 140 15 15.94

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
KURRT	S 38 54 18.00	E 150 24 56.00	LEOND	S 28 45 39.58	E 121 31 32.97	LLENE	S 27 11 12.98	E 142 00 43.00
KVALM	S 19 20 25.90	E 146 43 16.26	LEONF	S 28 48 14.32	E 121 22 41.95	LLENF	S 27 18 56.69	E 141 53 34.00
KYEMA	S 32 08 41.66	E 116 37 30.00	LEONH	S 28 54 39.87	E 121 17 14.80	LLENG	S 27 16 45.90	E 142 02 25.74
LABOR	S 28 28 14.46	E 142 28 36.06	LEONI	S 28 44 13.25	E 121 26 06.08	LLENH	S 27 26 17.09	E 141 53 36.13
LACEY	S 37 33 04.94	E 145 30 13.28	LEONM	S 28 52 15.31	E 121 19 17.55	LLENI	S 27 15 04.88	E 141 57 08.63
LAGIT	S 14 38 54.00	E 118 23 00.00	LEPAR	S 39 14 12.44	E 150 27 37.35	LLENM	S 27 22 48.40	E 141 49 59.13
LAGUG	S 37 29 12.30	E 144 58 14.27	LESON	S 35 03 12.00	E 131 30 00.00	LLESA	S 27 37 20.66	E 141 43 20.24
LAKED	S 16 13 46.23	E 145 09 43.47	LEWIS	S 34 45 23.92	E 136 42 59.77	LLESB	S 27 36 52.51	E 141 36 53.83
LAKES	S 35 34 47.67	E 139 01 04.08	LEYOX	S 34 15 18.11	E 144 05 17.75	LLESC	S 27 31 19.86	E 141 35 11.77
LAKMO	S 29 49 14.79	E 117 38 18.22	LHIED	S 31 32 56.80	E 159 19 34.14	LLESF	S 27 29 09.60	E 141 44 05.03
LAMAX	S 37 27 06.00	E 145 24 42.00	LHIEE	S 31 38 35.71	E 159 20 48.87	LLESH	S 27 27 50.71	E 141 52 15.56
LAMEK	S 18 09 16.63	E 150 02 35.46	LHIEF	S 31 34 27.98	E 159 10 08.66	LLESI	S 27 33 01.10	E 141 40 29.56
LAMOB	S 12 00 00.00	E 108 53 00.00	LHIEG	S 31 41 31.63	E 159 15 02.02	LLESM	S 27 25 18.00	E 141 47 40.26
LAMSI	S 28 26 28.00	E 154 11 37.55	LHIEH	S 31 30 44.86	E 159 00 32.96	LLOYD	S 37 46 34.41	E 144 30 41.62
LANGU	S 36 40 54.00	E 142 28 54.00	LHIEI	S 31 36 31.85	E 159 15 28.71	LOAFA	S 25 02 04.70	E 152 06 38.56
LANIK	S 29 18 14.68	E 123 46 37.62	LHIEM	S 31 32 24.12	E 159 04 48.74	LOCKA	S 16 01 24.80	E 145 36 28.63
LANOL	S 33 36 33.48	E 151 11 59.48	LHIWA	S 31 37 49.71	E 158 46 38.29	LODEN	S 22 06 12.00	E 144 15 12.00
LANOP	S 27 18 53.32	E 126 53 56.34	LHIWB	S 31 29 19.77	E 158 45 55.23	LODGE	S 34 39 00.00	E 128 00 00.00
LANYO	S 35 30 17.04	E 149 01 12.35	LHIWC	S 31 22 24.80	E 158 50 00.47	LOFFA	S 27 49 00.00	E 150 11 18.00
LARAB	S 12 04 03.63	E 129 11 33.39	LHIWF	S 31 30 58.23	E 158 57 27.95	LOGAN	S 27 36 00.00	E 153 07 00.00
LARDO	S 12 30 45.72	E 131 10 26.98	LHIWH	S 31 31 29.68	E 159 06 43.88	LOGOL	S 21 10 25.44	E 116 44 04.88
LAROO	S 31 16 42.00	E 139 52 42.00	LHIWI	S 31 30 09.00	E 158 51 41.76	LOKYA	S 27 24 03.50	E 153 13 32.20
LAROS	S 29 28 51.09	E 154 39 41.72	LHIWM	S 31 31 47.46	E 159 03 14.19	LOLLS	S 36 14 04.34	E 141 00 00.00
LATEP	S 06 10 18.00	E 075 00 00.00	LHREA	S 12 51 06.76	E 143 32 25.58	LOLLY	S 40 08 42.81	E 150 35 06.17
LATOM	S 23 14 47.19	E 137 02 55.57	LHREB	S 12 56 52.20	E 143 32 26.57	LONER	S 24 42 48.00	E 150 23 12.00
LATOX	S 13 26 55.62	E 109 23 15.96	LHREC	S 12 58 51.34	E 143 26 55.95	LONLY	S 35 11 12.00	E 135 00 00.00
LATTA	S 38 07 36.00	E 145 04 18.00	LHREF	S 12 51 08.08	E 143 24 02.71	LOOKY	S 13 57 57.36	E 133 29 51.53
LATUV	S 20 03 18.11	E 121 40 22.09	LHREH	S 12 45 58.14	E 143 17 29.99	LORNE	S 25 32 30.00	E 147 09 48.00
LAVER	S 37 49 11.78	E 144 43 41.99	LHREI	S 12 54 00.20	E 143 28 14.63	LOUEY	S 29 05 00.00	E 154 00 00.00
LAWNN	S 27 17 24.00	E 152 58 24.00	LHREM	S 12 48 15.87	E 143 19 50.88	LOUIE	S 13 57 33.43	E 130 46 39.27
LAWRA	S 28 16 43.45	E 115 00 00.00	LHRWD	S 12 43 00.69	E 143 03 46.79	LOVEY	S 36 58 30.00	E 144 32 12.00
LAWRY	S 27 00 39.99	E 150 21 50.05	LHRWE	S 12 37 15.01	E 143 03 46.44	LOVMA	S 04 49 09.69	E 075 53 22.82
LAWSO	S 18 59 36.00	E 132 23 58.00	LHRWF	S 12 43 00.07	E 143 12 09.66	LOVRI	S 28 46 22.79	E 153 38 39.21
LAXAR	S 14 47 42.46	E 116 19 13.17	LHRWG	S 12 35 16.40	E 143 09 17.03	LOWDI	S 33 31 24.00	E 149 36 48.00
LAXIL	S 37 49 14.11	E 145 10 37.30	LHRWH	S 12 48 44.86	E 143 20 33.25	LOWEP	S 33 04 07.62	E 151 13 46.64
LAYUP	S 30 39 41.10	E 147 44 41.16	LHRWI	S 12 40 07.58	E 143 07 58.00	LRENC	S 23 16 10.10	E 144 21 51.62
LBDED	S 16 30 10.82	E 123 03 34.90	LHRWM	S 12 47 01.45	E 143 18 02.13	LREND	S 23 17 05.41	E 144 26 44.58
LBDEE	S 16 33 26.38	E 123 04 46.34	LIDIT	S 09 18 00.00	E 142 20 00.00	LRENE	S 23 21 38.64	E 144 27 28.63
LBDEF	S 16 31 49.16	E 122 58 45.37	LIFFY	S 41 39 00.00	E 146 44 18.00	LRENF	S 23 22 36.72	E 144 20 26.07
LBDEG	S 16 35 38.00	E 123 02 00.22	LILEE	S 27 36 55.57	E 153 06 41.83	LRENH	S 23 27 26.52	E 144 14 54.55
LBDEH	S 16 30 28.02	E 122 53 44.64	LILLY	S 15 20 03.50	E 116 21 53.12	LRENI	S 23 19 51.03	E 144 23 35.32
LBDEI	S 16 32 37.79	E 123 01 45.84	LILNA	S 37 29 47.70	E 145 17 48.90	LRENM	S 23 25 22.35	E 144 17 16.68
LBDEM	S 16 31 00.49	E 122 55 44.92	LILNC	S 37 25 58.60	E 145 23 11.70	LRESA	S 23 27 14.02	E 144 03 06.96
LBDWA	S 16 31 28.61	E 122 46 36.37	LILNF	S 37 35 55.20	E 145 24 39.90	LRESF	S 23 28 53.65	E 144 11 55.90
LBDWB	S 16 28 12.95	E 122 45 25.26	LILNH	S 37 44 27.00	E 145 14 33.20	LRESH	S 23 25 13.81	E 144 18 25.61
LBDWC	S 16 26 01.55	E 122 48 11.46	LILNI	S 37 30 56.90	E 145 23 55.80	LRESI	S 23 30 59.23	E 144 08 13.12
LBDWF	S 16 29 50.56	E 122 51 26.00	LILNM	S 37 40 31.00	E 145 22 10.60	LRESM	S 23 26 48.07	E 144 15 38.62
LBDWH	S 16 31 11.76	E 122 56 26.70	LILNT	S 37 46 02.00	E 145 19 11.10	LSTEA	S 27 48 14.32	E 120 57 01.70
LBDWI	S 16 29 01.78	E 122 48 25.62	LINBO	S 19 15 06.00	E 147 27 18.00	LSTEB	S 27 53 27.56	E 120 59 44.62
LBDWM	S 16 30 39.30	E 122 54 26.41	LINDO	S 28 24 13.84	E 124 09 35.53	LSTEC	S 27 57 30.73	E 120 55 08.96
LEAKY	S 27 16 03.00	E 153 20 22.00	LIPPS	S 26 29 35.08	E 138 51 28.29	LSTEF	S 27 51 40.79	E 120 48 38.31
LEBAD	S 17 12 52.85	E 145 41 19.99	LIRRI	S 27 19 38.85	E 120 00 59.79	LSTEH	S 27 50 14.73	E 120 39 45.52
LECEA	S 30 39 14.75	E 138 41 25.75	LISHA	S 34 10 12.99	E 151 14 45.33	LSTEI	S 27 52 34.29	E 120 54 11.42
LECEB	S 30 44 59.63	E 138 41 33.45	LISND	S 28 40 11.57	E 153 05 05.49	LSTEM	S 27 50 47.07	E 120 43 05.28
LECEC	S 30 47 03.69	E 138 35 20.73	LISNE	S 28 35 19.49	E 153 08 33.89	LSTWD	S 27 53 01.96	E 120 27 27.54
LECEF	S 30 39 24.08	E 138 31 55.90	LISNF	S 28 44 33.99	E 153 12 58.82	LSTWE	S 27 47 48.09	E 120 24 46.18
LECEH	S 30 32 41.97	E 138 26 04.50	LISNG	S 28 36 32.07	E 153 14 56.16	LSTWF	S 27 49 36.78	E 120 35 51.70
LECEI	S 30 42 11.86	E 138 36 44.60	LISNH	S 28 45 56.80	E 153 20 43.41	LSTWG	S 27 43 45.92	E 120 29 22.56
LECEM	S 30 36 36.30	E 138 27 07.33	LISNI	S 28 39 56.72	E 153 10 46.24	LSTWH	S 27 51 03.08	E 120 44 44.39
LECWD	S 30 28 44.66	E 138 09 45.68	LISNM	S 28 49 11.22	E 153 15 11.60	LSTWI	S 27 48 42.54	E 120 30 18.89
LECWE	S 30 23 06.02	E 138 11 01.52	LISSA	S 27 32 49.94	E 153 09 27.49	LSTWM	S 27 50 30.79	E 120 41 24.61
LECWF	S 30 30 18.35	E 138 19 04.04	LISSF	S 28 56 07.50	E 153 19 33.39	LTNEA	S 28 28 04.42	E 122 37 11.99
LECWG	S 30 22 11.76	E 138 17 34.42	LISSH	S 28 43 28.18	E 153 24 58.57	LTNEB	S 28 31 20.30	E 122 42 33.55
LECWH	S 30 37 30.64	E 138 27 07.18	LISSI	S 28 59 33.97	E 153 21 54.08	LTNEC	S 28 36 54.26	E 122 40 55.20
LECWI	S 30 26 42.19	E 138 15 02.71	LISSJ	S 28 58 48.21	E 153 26 22.85	LTNEF	S 28 34 49.91	E 122 31 54.91
LECWM	S 30 35 21.01	E 138 24 42.12	LISSK	S 29 03 00.41	E 153 24 14.92	LTNEH	S 28 37 36.99	E 122 23 23.49
LEEAM	S 23 52 34.40	E 154 15 02.35	LISSL	S 29 02 40.80	E 153 19 01.53	LTNEI	S 28 33 05.31	E 122 37 14.32
LEEFL	S 25 45 43.00	E 153 09 09.00	LISSM	S 28 50 57.70	E 153 16 02.65	LTNEM	S 28 36 34.40	E 122 26 35.33
LEESA	S 22 08 01.49	E 130 18 29.63	LISZT	S 23 39 58.35	E 133 38 34.69	LTVED	S 37 57 21.46	E 146 35 53.60
LELED	S 11 16 36.00	E 075 00 00.00	LITEL	S 18 34 30.00	E 138 00 30.00	LTVEE	S 37 58 46.23	E 146 45 53.40
LENIS	S 27 15 28.34	E 126 49 28.67	LITER	S 22 34 18.00	E 152 18 50.00	LTVEF	S 38 07 57.37	E 146 34 13.82
LENNY	S 32 00 24.26	E 115 47 47.51	LIZZI	S 37 27 02.22	E 145 38 16.81	LTVEG	S 38 06 41.32	E 146 47 38.68
LEONA	S 28 40 01.76	E 121 22 58.84	LLAMA	S 31 17 36.00	E 147 50 06.00	LTVEH	S 38 14 18.82	E 146 26 08.50
LEONC	S 28 40 12.08	E 121 29 29.96	LLEND	S 27 10 45.26	E 141 54 18.61	LTVEI	S 38 03 43.01	E 146 39 36.90

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
LTVEM	S 38 12 11.73	E 146 28 50.43	MATJI	S 32 03 31.13	E 116 14 32.04	MEMEG	S 37 48 34.48	E 144 38 42.79
LTVWA	S 38 25 01.09	E 146 20 17.16	MATTI	S 26 45 27.19	E 153 08 40.60	MEMIG	S 14 22 18.06	E 145 20 20.45
LTVWB	S 38 23 42.57	E 146 14 08.78	MATVI	S 27 15 00.64	E 151 12 07.57	MEMOS	S 14 59 03.03	E 144 00 32.17
LTVWC	S 38 18 03.10	E 146 12 54.28	MAVER	S 13 11 02.81	E 131 26 03.41	MEMUP	S 33 45 11.61	E 120 52 30.24
LTVWF	S 38 16 39.08	E 146 23 09.56	MAXAL	S 37 26 53.57	E 145 25 01.68	MENEA	S 37 37 47.94	E 145 09 02.09
LTVWH	S 38 11 00.20	E 146 30 21.45	MAXEM	S 34 38 05.94	E 142 33 20.56	MENEB	S 37 43 19.82	E 145 13 00.58
LTVWI	S 38 20 10.83	E 146 18 39.28	MAXXI	S 12 30 26.51	E 126 13 27.11	MENEC	S 37 48 09.21	E 145 09 05.04
LTVWM	S 38 13 07.33	E 146 27 39.62	MAYEA	S 35 56 04.23	E 147 13 33.29	MENEF	S 37 43 40.41	E 145 01 10.72
LUCAS	S 26 41 28.02	E 153 41 22.15	MAYEB	S 35 59 51.00	E 147 18 52.54	MENEH	S 37 48 18.74	E 144 59 46.02
LUCRE	S 34 13 18.00	E 125 00 00.00	MAYEC	S 36 05 12.46	E 147 16 19.55	MENEM	S 37 43 50.89	E 144 54 52.79
LUFFY	S 34 41 39.24	E 138 47 20.74	MAYEF	S 36 02 14.84	E 147 06 54.43	MENNE	S 37 31 03.55	E 144 59 22.49
LUKEY	S 27 35 00.93	E 151 39 36.71	MAYEH	S 36 05 08.36	E 146 55 08.40	MENNF	S 37 37 57.19	E 144 53 47.61
LUNAR	S 32 47 49.20	E 151 49 59.40	MAYEI	S 36 01 02.92	E 147 12 53.53	MENNG	S 37 27 56.90	E 144 53 19.00
LUNGA	S 35 08 35.09	E 138 26 16.20	MAYEM	S 36 03 55.61	E 146 58 31.56	MENNH	S 37 45 17.00	E 144 56 25.34
LUVLY	S 28 08 45.07	E 153 29 39.12	MAYOP	S 34 16 09.58	E 154 09 56.81	MENNI	S 37 32 57.05	E 144 53 33.29
LYNCH	S 37 29 41.17	E 144 52 14.37	MAYSO	S 27 41 29.00	E 152 57 37.00	MENNM	S 37 42 57.33	E 144 54 01.96
LYNDN	S 23 30 00.00	E 115 10 57.53	MBAWA	S 17 04 30.59	E 145 11 36.81	MENZI	S 35 31 48.58	E 149 11 39.92
LYNSO	S 24 48 54.89	E 115 00 00.00	MBAWB	S 16 58 57.63	E 145 10 00.76	MEPAB	S 21 22 49.73	E 163 00 00.00
LYSMO	S 33 10 07.82	E 145 45 26.64	MBAWC	S 16 55 36.88	E 145 14 53.00	MERIB	S 30 04 00.00	E 112 45 06.00
MACEL	S 42 59 15.82	E 147 43 13.03	MBAWF	S 17 02 18.55	E 145 19 51.06	MERME	S 21 17 44.49	E 112 15 20.42
MACKA	S 30 34 54.00	E 151 45 36.00	MBAWH	S 17 04 59.24	E 145 27 43.44	MERNA	S 36 41 08.73	E 149 59 43.32
MACLA	S 30 10 21.43	E 143 07 25.23	MBAWI	S 17 00 38.09	E 145 14 55.89	MERNC	S 36 41 32.43	E 150 06 49.77
MADDY	S 13 52 04.32	E 120 04 46.21	MBAWM	S 17 03 59.01	E 145 24 46.27	MERND	S 36 47 03.85	E 150 08 48.61
MADOG	S 23 49 35.03	E 116 22 43.68	MCLOY	S 20 55 31.77	E 116 40 08.84	MERNF	S 36 49 19.92	E 149 59 00.77
MAFWA	S 36 58 33.74	E 145 50 44.51	MCNAB	S 20 52 44.38	E 116 41 32.34	MERNH	S 36 56 00.00	E 150 00 00.00
MAFWB	S 36 55 06.89	E 145 50 53.86	MCONA	S 37 22 59.07	E 149 40 23.67	MERNI	S 36 45 26.24	E 150 02 55.47
MAFWC	S 36 54 03.26	E 145 54 58.52	MCONC	S 37 20 38.42	E 149 46 57.61	MERNM	S 36 53 13.46	E 149 55 05.68
MAFWF	S 36 59 56.67	E 145 58 51.65	MCOND	S 37 24 45.68	E 149 51 58.50	MERSE	S 37 09 03.95	E 149 49 12.24
MAFWI	S 36 56 55.62	E 145 53 52.91	MCONF	S 37 30 28.37	E 149 44 35.61	MERSF	S 37 00 52.38	E 149 48 50.83
MAFWM	S 37 02 21.36	E 146 02 50.93	MCONH	S 37 33 05.18	E 149 49 52.73	MERSG	S 37 09 15.77	E 149 42 01.57
MAGDA	S 34 22 30.47	E 155 09 50.08	MCONI	S 37 25 33.40	E 149 45 46.69	MERSH	S 36 52 28.59	E 149 55 38.59
MAGGS	S 40 52 03.10	E 146 34 02.92	MCONM	S 37 35 23.32	E 149 43 24.37	MERSI	S 37 05 04.13	E 149 45 26.39
MAGGY	S 19 11 19.78	E 146 55 44.22	MCOSE	S 37 48 51.86	E 149 46 10.64	MERSJ	S 37 03 56.42	E 149 39 21.16
MAGOO	S 34 19 48.75	E 140 10 56.12	MCOSF	S 37 41 22.86	E 149 41 57.33	MERSM	S 36 54 59.77	E 149 53 36.42
MAGPI	S 25 08 52.42	E 151 53 15.72	MCOSG	S 37 51 12.68	E 149 39 34.02	MESAM	S 32 11 47.84	E 116 08 39.17
MAGRA	S 22 25 35.46	E 149 22 27.84	MCOSH	S 37 37 25.43	E 149 49 21.81	MESED	S 27 18 37.23	E 151 51 27.70
MAIDS	S 28 08 31.38	E 153 33 36.89	MCOSI	S 37 46 17.78	E 149 40 45.76	MESEE	S 38 03 07.64	E 147 25 07.28
MAITE	S 37 38 50.13	E 145 15 42.74	MCOSJ	S 37 47 05.16	E 149 34 32.09	MESEF	S 38 06 44.39	E 147 15 48.16
MAJAR	S 33 49 38.45	E 151 17 22.96	MCOSM	S 37 36 27.93	E 149 43 08.75	MESEG	S 38 08 16.87	E 147 28 19.47
MAJOR	S 35 13 14.34	E 148 55 59.47	MDGEA	S 32 20 37.66	E 149 43 54.90	MESEH	S 38 05 39.56	E 147 07 02.41
MAKEE	S 33 00 43.54	E 136 50 42.64	MDGEB	S 32 21 25.96	E 149 50 37.15	MESEI	S 38 07 30.63	E 147 22 03.78
MAKKA	S 34 25 51.06	E 149 20 05.47	MDGEC	S 32 27 03.29	E 149 52 01.56	MESEJ	S 38 12 25.32	E 147 23 17.12
MAKOM	S 29 00 00.00	E 144 03 51.65	MDGEF	S 32 28 45.25	E 149 42 33.22	MESEM	S 38 05 58.15	E 147 09 32.60
MAKRL	S 38 29 52.18	E 148 25 27.99	MDGEH	S 32 30 20.14	E 149 29 31.25	MESER	S 33 44 04.78	E 137 27 15.34
MALBI	S 14 29 59.18	E 108 27 03.81	MDGEI	S 32 25 05.67	E 149 46 35.35	MESNA	S 37 54 42.65	E 147 18 24.02
MALIK	S 34 47 29.96	E 138 36 13.52	MDGEM	S 32 33 08.57	E 149 37 42.23	MESNC	S 37 56 33.95	E 147 25 15.67
MALLY	S 31 46 52.70	E 125 00 00.00	MEAND	S 27 24 38.44	E 153 06 48.77	MESND	S 38 02 18.40	E 147 25 24.70
MAMAG	S 20 07 29.46	E 148 45 55.79	MEBAH	S 30 13 24.00	E 135 33 00.00	MESNF	S 38 02 28.39	E 147 15 02.89
MAMAL	S 09 37 46.49	E 126 26 59.52	MECKI	S 31 39 58.79	E 117 05 11.09	MESNH	S 38 07 11.83	E 147 06 51.97
MAMUT	S 16 25 45.98	E 126 25 53.28	MEECE	S 33 37 36.00	E 139 38 06.00	MESNI	S 37 59 31.17	E 147 20 09.38
MANDA	S 35 17 34.66	E 148 35 06.44	MEEGA	S 33 43 58.14	E 149 33 10.08	MESNM	S 38 05 25.61	E 147 09 56.19
MANDO	S 23 28 12.00	E 149 25 42.00	MEENA	S 28 15 44.33	E 119 28 13.12	MESWF	S 38 04 55.10	E 147 01 06.25
MANDU	S 32 31 24.42	E 115 46 30.17	MEETA	S 28 07 09.93	E 153 32 31.79	MESWH	S 38 06 09.77	E 147 11 06.90
MANFA	S 34 02 34.11	E 151 20 45.74	MEHAN	S 31 56 30.00	E 151 09 48.00	MESWI	S 38 04 07.92	E 146 54 51.04
MANIG	S 30 51 16.07	E 117 09 55.87	MEKAD	S 13 23 50.15	E 152 42 01.77	MESWM	S 38 05 41.95	E 147 07 21.60
MANLI	S 27 27 48.00	E 153 11 55.00	MEKEA	S 26 30 40.13	E 118 46 15.01	MESWO	S 38 08 31.57	E 146 51 49.00
MANNA	S 32 27 18.00	E 143 56 36.00	MEKEB	S 26 35 03.67	E 118 50 22.84	MESWP	S 38 03 20.41	E 146 48 35.96
MANTL	S 32 01 00.00	E 115 44 48.00	MEKEC	S 26 40 03.26	E 118 47 12.14	MESWQ	S 37 59 13.03	E 146 53 39.09
MARGO	S 34 24 50.01	E 138 02 19.19	MEKEF	S 26 35 58.18	E 118 39 16.25	METAB	S 15 01 28.02	E 111 23 05.08
MARIE	S 29 15 01.77	E 143 25 22.03	MEKEH	S 26 36 41.16	E 118 30 22.86	METHL	S 19 58 55.00	E 135 52 00.00
MARIT	S 26 00 50.30	E 128 27 34.73	MEKEI	S 26 35 31.03	E 118 44 49.57	METUM	S 14 08 13.28	E 115 08 31.78
MARKY	S 33 25 25.20	E 150 48 09.60	MEKEM	S 26 36 25.11	E 118 33 42.90	MEXUN	S 37 47 37.76	E 144 51 40.28
MARLI	S 28 06 33.42	E 152 42 36.82	MEKON	S 35 07 02.84	E 148 56 48.40	MGBEA	S 12 06 56.56	E 135 07 01.95
MARLN	S 34 02 04.97	E 152 04 02.10	MEKWD	S 26 42 18.01	E 118 19 14.87	MGBEB	S 12 12 38.25	E 135 07 55.85
MARON	S 19 34 42.41	E 146 13 47.46	MEKWE	S 26 37 53.57	E 118 15 07.98	MGBEC	S 12 15 24.94	E 135 02 47.90
MARSH	S 37 42 18.00	E 144 14 36.00	MEKWF	S 26 37 00.95	E 118 26 14.94	MGBEF	S 12 08 12.25	E 134 58 45.95
MARTO	S 33 19 12.98	E 151 44 29.62	MEKWG	S 26 32 54.70	E 118 18 20.01	MGBEH	S 12 04 39.22	E 134 51 26.19
MARTY	S 12 58 36.84	E 131 17 22.96	MEKWH	S 26 36 18.22	E 118 35 08.38	MGBEI	S 12 10 25.31	E 135 03 20.90
MARUB	S 33 55 54.00	E 151 28 54.00	MEKWI	S 26 37 27.37	E 118 20 41.48	MGBEM	S 12 05 59.14	E 134 54 11.07
MASER	S 19 44 33.41	E 132 46 18.27	MEKWM	S 26 36 34.31	E 118 31 48.35	MGBWD	S 12 04 26.34	E 134 40 08.80
MASHA	S 15 45 30.60	E 143 24 11.71	MELAN	S 18 09 51.49	E 122 37 34.66	MGBWE	S 11 58 44.56	E 134 39 15.52
MASIM	S 18 12 33.08	E 122 15 45.80	MELBO	S 17 58 12.56	E 117 52 17.12	MGBWF	S 12 03 11.22	E 134 48 24.77
MASON	S 13 07 38.34	E 133 21 44.44	MELOW	S 27 19 42.17	E 153 10 34.45	MGBWG	S 11 55 58.31	E 134 44 23.40
MASTS	S 31 45 38.42	E 114 54 18.69	MELSO	S 37 42 06.91	E 144 33 59.26	MGBWH	S 12 06 44.34	E 134 55 44.45

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
MGBWI	S 12 00 57.91	E 134 43 50.06	MIAWJ	S 34 15 45.94	E 141 49 08.49	MLTSI	S 41 43 22.33	E 147 21 48.76
MGBWM	S 12 05 24.45	E 134 52 59.54	MIAWK	S 34 10 28.81	E 141 46 24.30	MLTSM	S 41 33 07.46	E 147 13 01.02
MGDND	S 11 55 19.89	E 134 03 30.33	MIAWL	S 34 06 32.77	E 141 51 25.72	MMBNF	S 37 52 48.62	E 145 05 28.76
MGDNE	S 11 50 03.26	E 134 05 51.33	MIAWM	S 34 13 31.84	E 142 04 06.77	MMBNG	S 37 46 25.79	E 144 58 59.02
MGDNF	S 11 58 38.11	E 134 11 09.71	MICEY	S 14 50 23.56	E 132 48 25.62	MMBNH	S 38 00 48.02	E 145 06 10.64
MGDNG	S 11 50 25.31	E 134 11 41.57	MICHM	S 37 50 42.00	E 145 11 30.00	MMBNI	S 37 47 48.99	E 145 05 02.66
MGDNH	S 12 05 29.97	E 134 15 24.69	MICKI	S 27 29 36.66	E 153 06 39.59	MMBNM	S 37 57 48.25	E 145 05 54.91
MGDNI	S 11 54 20.66	E 134 08 30.46	MICKS	S 28 15 01.00	E 153 38 48.00	MMBSA	S 38 11 18.66	E 145 01 07.53
MGDNM	S 12 02 55.53	E 134 13 49.04	MICRO	S 35 57 37.52	E 139 52 47.83	MMBSB	S 38 14 16.44	E 145 07 21.61
MGDSA	S 12 11 41.04	E 134 24 51.91	MIDAT	S 40 21 58.05	E 163 00 00.00	MMBSC	S 38 10 39.67	E 145 13 00.91
MGDSB	S 12 16 57.84	E 134 22 31.06	MIDDY	S 26 55 20.69	E 115 00 00.00	MMBSF	S 38 04 17.23	E 145 06 28.96
MGDSC	S 12 16 35.98	E 134 16 40.22	MIDEL	S 22 24 00.00	E 141 25 36.00	MMBSH	S 38 01 53.39	E 145 12 48.31
MGDSF	S 12 08 23.18	E 134 17 11.98	MIDLA	S 31 51 53.88	E 115 59 13.12	MMBSI	S 38 09 16.84	E 145 06 55.26
MGDSH	S 12 01 31.34	E 134 12 56.92	MIGAX	S 16 01 43.51	E 134 26 44.88	MMBSM	S 37 59 17.62	E 145 06 02.73
MGDSI	S 12 12 40.55	E 134 19 51.50	MIKAL	S 27 20 46.26	E 153 16 26.31	MMISA	S 28 55 16.30	E 121 49 34.16
MGDSM	S 12 04 05.78	E 134 14 32.55	MIKEL	S 38 35 44.79	E 157 32 04.65	MMISB	S 28 55 14.93	E 121 43 01.73
MGTNA	S 33 42 45.52	E 115 04 06.21	MILEM	S 13 29 38.40	E 128 02 04.42	MMISC	S 28 49 50.38	E 121 40 49.44
MGTNC	S 33 40 42.34	E 115 10 31.46	MILIV	S 16 33 06.26	E 133 54 04.72	MMISF	S 28 47 03.70	E 121 49 36.12
MGTNF	S 33 50 25.47	E 115 07 36.72	MILLA	S 38 12 56.06	E 145 53 37.25	MMISH	S 28 39 26.59	E 121 55 42.02
MGTNH	S 33 58 11.81	E 115 05 16.44	MILNA	S 19 12 00.00	E 126 48 24.00	MMISI	S 28 51 09.35	E 121 46 19.06
MGTNI	S 33 45 33.91	E 115 09 04.18	MILTN	S 18 47 06.73	E 146 58 16.10	MMISM	S 28 42 57.96	E 121 52 52.93
MGTNM	S 33 55 16.85	E 115 06 09.13	MILTY	S 24 26 36.00	E 151 02 24.00	MMLEF	S 37 40 00.57	E 144 55 37.64
MHBEA	S 42 56 31.29	E 147 48 22.09	MIMMI	S 26 42 25.29	E 149 35 25.80	MMLEH	S 37 39 30.93	E 144 47 07.06
MHBEB	S 43 02 10.36	E 147 47 01.14	MINGA	S 26 23 42.00	E 117 48 18.00	MMLEM	S 37 39 44.14	E 144 50 53.12
MHBEC	S 43 03 10.18	E 147 39 18.96	MINIM	S 23 50 20.28	E 133 57 50.40	MMLNF	S 37 33 42.81	E 144 49 04.43
MHBEF	S 42 55 05.96	E 147 37 23.21	MINNI	S 23 04 33.60	E 149 37 32.21	MMLNH	S 37 42 09.74	E 144 50 38.95
MHBEH	S 42 48 58.12	E 147 30 31.35	MINNY	S 24 02 18.00	E 115 42 30.00	MMLNI	S 37 31 43.97	E 144 48 42.32
MHBEI	S 42 58 38.26	E 147 42 11.90	MINTY	S 32 02 48.00	E 115 58 54.00	MMLNM	S 37 39 11.49	E 144 50 05.68
MHBEM	S 42 51 33.45	E 147 32 35.07	MISCH	S 37 45 50.29	E 144 40 38.59	MMLSA	S 37 49 30.51	E 144 56 35.52
MHBWD	S 42 43 54.06	E 147 11 29.11	MISIT	S 32 35 50.05	E 149 38 04.06	MMLSB	S 37 55 00.63	E 144 53 03.63
MHBWE	S 42 37 50.35	E 147 14 06.74	MISLY	S 30 49 41.41	E 155 53 31.48	MMLSC	S 37 50 39.05	E 144 47 08.13
MHBWF	S 42 44 56.73	E 147 23 39.34	MITCH	S 28 56 18.15	E 150 58 55.09	MMLSD	S 37 49 11.78	E 144 43 41.99
MHBWG	S 42 36 52.22	E 147 21 46.20	MITSA	S 34 01 54.90	E 150 47 00.70	MMLSF	S 37 45 06.52	E 144 51 11.98
MHBWH	S 42 51 19.77	E 147 32 16.55	MITTS	S 24 38 59.68	E 137 40 19.05	MMLSH	S 37 38 10.58	E 144 49 54.32
MHBWI	S 42 41 23.64	E 147 18 52.77	MITTY	S 12 48 05.40	E 132 12 51.04	MMLSI	S 37 50 03.58	E 144 52 07.78
MHBWM	S 42 49 12.16	E 147 29 23.95	MJMEA	S 34 16 42.51	E 116 24 31.75	MMLSM	S 37 41 08.84	E 144 50 27.58
MHUEA	S 16 17 52.56	E 136 14 49.91	MJMEB	S 34 22 20.69	E 116 25 52.42	MMLWA	S 37 45 50.29	E 144 40 38.59
MHUEB	S 16 21 07.26	E 136 19 45.57	MJMEC	S 34 25 19.13	E 116 19 56.58	MMLWB	S 37 42 06.91	E 144 33 59.26
MHUEC	S 16 26 42.15	E 136 18 17.23	MJMEF	S 34 18 17.65	E 116 14 49.73	MMLWC	S 37 32 58.31	E 144 41 04.11
MHUEF	S 16 24 40.30	E 136 10 01.78	MJMEH	S 34 15 02.49	E 116 06 00.35	MMLWD	S 37 43 01.52	E 144 38 34.25
MHUEH	S 16 27 30.67	E 136 02 14.61	MJMEI	S 34 20 19.29	E 116 20 20.94	MMLWF	S 37 39 19.84	E 144 43 58.34
MHUEI	S 16 22 53.78	E 136 14 53.70	MJMEM	S 34 16 15.75	E 116 09 18.79	MMLWG	S 37 35 02.30	E 144 39 19.63
MHUEM	S 16 26 26.82	E 136 05 09.83	MJURA	S 35 12 24.90	E 149 11 35.83	MMLWH	S 37 39 50.71	E 144 52 45.84
MHUWD	S 16 35 29.53	E 135 54 10.53	ML600	S 37 39 16.02	E 144 42 53.86	MMLWI	S 37 39 01.91	E 144 38 56.96
MHUWE	S 16 32 14.69	E 135 49 14.61	ML605	S 37 35 51.76	E 144 39 57.91	MMLWM	S 37 39 37.56	E 144 48 59.76
MHUWF	S 16 28 41.94	E 135 58 58.89	ML615	S 37 40 07.83	E 144 57 43.93	MNDWA	S 32 49 15.30	E 151 21 11.22
MHUWG	S 16 26 39.87	E 135 50 43.26	ML617	S 37 38 37.10	E 145 02 08.66	MNDWB	S 32 43 38.01	E 151 18 59.27
MHUWH	S 16 25 51.69	E 136 06 46.15	ML619	S 37 34 12.85	E 144 58 38.03	MNDWF	S 32 44 51.49	E 151 23 48.45
MHUWI	S 16 30 28.31	E 135 54 06.77	ML627	S 37 46 08.64	E 144 51 23.61	MNDWH	S 32 45 48.44	E 151 27 08.36
MHUWM	S 16 26 55.57	E 136 03 50.96	ML632	S 37 49 52.60	E 144 50 34.89	MNDWI	S 32 46 16.83	E 151 20 40.41
MIAEA	S 34 11 35.17	E 142 20 53.72	ML636	S 37 39 37.38	E 144 40 43.72	MNDWM	S 32 42 57.57	E 151 27 59.01
MIAEB	S 34 16 51.51	E 142 23 38.73	ML641	S 37 49 10.83	E 144 40 47.89	MNEEA	S 27 17 59.78	E 120 48 10.42
MIAEC	S 34 20 48.43	E 142 18 36.92	ML643	S 37 50 17.58	E 144 47 35.48	MNEEB	S 27 23 38.47	E 120 49 24.71
MIAEF	S 34 14 50.73	E 142 11 49.56	ML646	S 37 49 42.30	E 144 55 28.24	MNEEC	S 27 26 36.55	E 120 43 53.44
MIAEH	S 34 13 13.98	E 142 02 22.47	ML647	S 37 30 17.87	E 144 58 13.23	MNEEF	S 27 19 34.19	E 120 39 08.85
MIAEI	S 34 15 51.12	E 142 17 44.11	ML649	S 37 35 28.10	E 144 49 24.04	MNEEH	S 27 16 18.22	E 120 30 56.70
MIAEM	S 34 13 50.35	E 142 05 55.09	ML650	S 37 46 41.65	E 144 39 29.06	MNEEI	S 27 21 36.42	E 120 44 16.68
MIANF	S 34 08 17.51	E 142 05 56.44	ML651	S 37 32 23.04	E 145 01 08.31	MNEEM	S 27 17 31.76	E 120 34 01.20
MIANH	S 34 16 16.57	E 142 05 05.37	ML653	S 37 50 17.68	E 145 00 51.42	MNGEA	S 36 42 06.54	E 145 20 07.50
MIANI	S 34 03 18.15	E 142 06 28.32	ML658	S 37 33 46.64	E 144 49 05.15	MNGEB	S 36 43 58.87	E 145 26 52.17
MIANM	S 34 13 16.86	E 142 05 24.53	ML674	S 37 41 02.73	E 144 38 58.79	MNGEC	S 36 49 43.42	E 145 26 59.71
MIANN	S 34 01 10.73	E 142 01 01.37	ML678	S 37 44 18.04	E 144 39 17.40	MNGEF	S 36 49 51.87	E 145 16 47.78
MIANO	S 33 58 18.79	E 142 07 00.14	MLTND	S 41 24 55.25	E 146 58 34.31	MNGEH	S 37 00 39.61	E 145 09 47.63
MIANP	S 34 02 00.53	E 142 12 17.10	MLTNE	S 41 19 36.42	E 147 01 26.95	MNGEI	S 36 46 55.37	E 145 21 50.07
MIASD	S 34 26 31.99	E 142 09 41.78	MLTNF	S 41 28 00.88	E 147 08 39.13	MNGEM	S 36 52 48.36	E 145 11 45.30
MIASE	S 34 29 24.15	E 142 03 41.04	MLTNG	S 41 18 08.39	E 147 10 42.06	MOBIL	S 17 00 00.00	E 150 17 54.00
MIASF	S 34 19 25.30	E 142 04 45.18	MLTNH	S 41 39 10.06	E 147 18 11.71	MOCHO	S 18 43 42.51	E 125 33 58.08
MIASG	S 34 25 42.02	E 141 58 22.61	MLTNI	S 41 23 48.17	E 147 05 03.89	MOCKE	S 11 54 56.00	E 130 27 45.00
MIASH	S 34 11 26.30	E 142 05 36.33	MLTNM	S 41 32 13.46	E 147 12 14.83	MOCUR	S 32 13 06.52	E 116 07 16.27
MIASI	S 34 24 24.73	E 142 04 13.14	MLTSA	S 41 42 02.11	E 147 29 37.37	MOGNA	S 27 57 15.64	E 117 40 01.89
MIASM	S 34 14 26.02	E 142 05 17.16	MLTSB	S 41 47 34.49	E 147 25 26.18	MOGNC	S 27 52 22.82	E 117 43 27.44
MIAWF	S 34 12 31.12	E 141 58 12.47	MLTSC	S 41 47 21.41	E 147 17 46.43	MOGND	S 27 53 34.02	E 117 49 47.45
MIAWH	S 34 14 08.14	E 142 07 39.42	MLTSF	S 41 39 10.05	E 147 18 11.82	MOGNF	S 28 01 36.28	E 117 47 53.09
MIAWI	S 34 11 30.10	E 141 52 18.31	MLTSH	S 41 30 35.95	E 147 10 51.49	MOGNH	S 28 08 58.94	E 117 51 26.16

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
MOGNI	S 27 56 59.57	E 117 45 40.17	MPZSI	S 38 06 10.07	E 144 46 18.74	MUMOS	S 31 49 54.23	E 116 19 25.59
MOGNM	S 28 06 12.96	E 117 50 06.20	MPZSM	S 37 56 11.40	E 144 45 16.85	MUMSY	S 29 01 13.32	E 167 54 02.71
MOGSE	S 28 17 00.01	E 118 01 05.69	MRBNA	S 21 51 54.02	E 147 57 35.30	MUNDE	S 33 32 33.37	E 137 52 51.59
MOGSF	S 28 12 40.14	E 117 53 12.83	MRBNC	S 21 47 55.80	E 148 02 03.13	MUNEL	S 14 28 18.00	E 144 55 12.00
MOGSG	S 28 21 53.26	E 117 57 40.15	MRBND	S 21 50 29.15	E 148 07 34.54	MUNGA	S 17 06 42.00	E 144 23 24.00
MOGSH	S 28 05 17.53	E 117 49 39.52	MRBNF	S 21 57 51.11	E 148 03 39.89	MUNNI	S 21 12 33.83	E 116 51 57.94
MOGSI	S 28 17 16.72	E 117 55 26.40	MRBNH	S 22 05 47.35	E 148 04 57.39	MUNRO	S 14 24 34.95	E 130 36 05.85
MOGSJ	S 28 20 42.42	E 117 51 18.39	MRBNI	S 21 52 53.46	E 148 02 51.50	MUPOG	S 20 25 44.39	E 148 57 43.60
MOGSM	S 28 08 03.52	E 117 50 59.45	MRBNM	S 22 02 48.76	E 148 04 28.31	MURAY	S 20 46 25.15	E 116 37 33.12
MOLGA	S 34 02 18.00	E 120 00 54.00	MRWSA	S 29 20 50.74	E 116 13 32.10	MURCH	S 26 45 39.09	E 118 58 46.10
MOMAN	S 12 09 46.80	E 130 53 57.60	MRWSB	S 29 26 05.94	E 116 10 51.89	MURES	S 31 48 19.85	E 116 31 16.62
MOMGO	S 29 47 48.88	E 116 53 31.46	MRWSC	S 29 25 41.67	E 116 04 18.74	MURJO	S 27 17 03.00	E 153 06 09.00
MOMSY	S 37 32 42.00	E 150 32 42.00	MRWSF	S 29 17 30.17	E 116 04 58.54	MURPH	S 22 28 48.00	E 149 35 00.00
MONDO	S 32 56 36.17	E 151 14 11.11	MRWSH	S 29 10 37.37	E 116 00 16.58	MURRY	S 35 03 35.60	E 139 12 48.19
MONIC	S 17 00 44.57	E 132 03 31.71	MRWSI	S 29 21 48.09	E 116 07 55.09	MUSEY	S 17 12 51.62	E 144 57 40.46
MONTY	S 37 43 30.92	E 145 06 42.71	MRWSM	S 29 13 12.19	E 116 02 02.24	MUSOP	S 35 31 06.00	E 147 54 12.00
MOOLO	S 26 49 32.25	E 153 21 45.30	MRYNA	S 35 40 37.29	E 150 06 15.64	MUSTA	S 33 53 47.12	E 149 45 18.33
MOOVI	S 27 54 48.68	E 153 17 41.73	MRYNC	S 35 38 21.56	E 150 12 43.69	MUTHA	S 34 06 12.40	E 137 01 19.67
MOPET	S 23 22 54.80	E 118 51 57.77	MRYND	S 35 42 32.67	E 150 17 33.22	MUTMI	S 04 08 00.00	E 092 58 42.00
MOREL	S 19 46 30.00	E 136 00 06.00	MRYNF	S 35 48 09.83	E 150 10 13.37	MYALL	S 19 06 00.00	E 139 30 36.00
MORGA	S 18 16 50.65	E 145 38 36.25	MRYNH	S 35 56 54.37	E 150 14 29.39	MYBND	S 25 18 58.03	E 152 36 07.15
MORGN	S 26 43 27.75	E 153 12 41.95	MRYNI	S 35 43 15.70	E 150 11 28.61	MYBNE	S 25 15 09.52	E 152 40 51.81
MORGZ	S 38 09 01.12	E 147 34 36.21	MRYNM	S 35 53 03.93	E 150 08 57.98	MYBNF	S 25 25 07.70	E 152 42 06.39
MORID	S 26 01 24.87	E 114 49 08.73	MRZNA	S 29 16 56.18	E 149 49 43.55	MYBNG	S 25 17 54.33	E 152 46 25.52
MORIS	S 25 49 36.00	E 145 30 06.00	MRZNC	S 29 15 11.08	E 149 55 58.33	MYBNH	S 25 33 06.29	E 152 43 06.19
MORMU	S 36 50 12.00	E 144 46 36.00	MRZND	S 29 19 43.78	E 149 59 59.43	MYBNI	S 25 20 08.57	E 152 41 29.07
MORNA	S 29 16 40.56	E 149 49 49.16	MRZNF	S 29 24 45.53	E 149 52 34.74	MYBNM	S 25 30 06.82	E 152 42 43.75
MORNC	S 29 14 55.57	E 149 56 03.82	MRZNH	S 29 32 25.01	E 149 49 51.40	MYBSA	S 25 42 38.87	E 152 49 32.11
MORND	S 29 19 28.42	E 150 00 04.92	MRZNI	S 29 19 58.32	E 149 54 16.61	MYBSB	S 25 46 27.64	E 152 44 46.63
MORNF	S 29 24 30.02	E 149 52 40.24	MRZNM	S 29 29 32.71	E 149 50 52.70	MYBSC	S 25 43 42.76	E 152 39 11.64
MORNH	S 29 31 12.07	E 149 50 17.35	MRZSE	S 29 42 59.12	E 149 51 44.36	MYBSF	S 25 36 29.51	E 152 43 31.63
MORNI	S 29 19 42.81	E 149 54 22.11	MRZSF	S 29 35 09.77	E 149 48 52.73	MYBSH	S 25 28 30.92	E 152 42 31.77
MORNM	S 29 29 17.20	E 149 50 58.21	MRZSG	S 29 44 44.01	E 149 45 27.80	MYBSI	S 25 41 28.61	E 152 44 09.11
MOROK	S 31 05 33.12	E 116 34 27.31	MRZSH	S 29 27 30.31	E 149 51 36.21	MYBSM	S 25 31 30.39	E 152 42 54.20
MORPH	S 35 06 12.22	E 138 32 49.89	MRZSI	S 29 39 56.90	E 149 47 10.34	MYLAW	S 35 05 03.50	E 138 47 07.34
MORRO	S 26 51 53.58	E 150 23 38.48	MRZSJ	S 29 40 10.89	E 149 41 26.36	NA410	S 28 56 10.15	E 153 24 23.61
MORTN	S 27 17 39.26	E 153 10 48.91	MRZSM	S 29 30 22.62	E 149 50 34.95	NA420	S 28 52 44.33	E 153 24 48.98
MOSSI	S 26 26 20.00	E 153 37 58.00	MTGND	S 37 32 57.39	E 140 54 46.76	NA430	S 28 51 54.88	E 153 26 19.01
MOTGO	S 27 44 41.05	E 116 27 23.88	MTGNE	S 37 29 12.46	E 140 49 18.99	NA440	S 28 54 42.39	E 153 27 15.26
MOUSE	S 28 23 38.60	E 150 33 58.23	MTGNF	S 37 39 10.12	E 140 48 03.06	NA450	S 28 49 00.23	E 153 37 28.48
MOVNA	S 21 52 10.03	E 147 57 37.95	MTGNG	S 37 32 00.49	E 140 43 01.45	NA460	S 28 45 19.05	E 153 34 36.74
MOVNC	S 21 48 11.86	E 148 02 05.83	MTGNH	S 37 47 08.23	E 140 47 02.08	NA470	S 28 49 08.37	E 153 36 57.37
MOVND	S 21 50 45.26	E 148 07 37.23	MTGNI	S 37 34 11.29	E 140 48 41.06	NA480	S 28 47 00.72	E 153 36 14.33
MOVNF	S 21 58 07.19	E 148 03 42.51	MTGNM	S 37 44 08.94	E 140 47 24.97	NA490	S 28 50 59.53	E 153 29 51.64
MOVNH	S 22 06 03.43	E 148 05 00.02	MTGSA	S 37 56 41.61	E 140 39 50.45	NABBA	S 36 42 19.20	E 147 02 31.39
MOVNI	S 21 53 09.53	E 148 02 54.14	MTGSB	S 38 00 26.83	E 140 45 19.73	NAIDO	S 27 28 31.60	E 153 00 32.08
MOVNM	S 22 03 04.84	E 148 04 30.93	MTGSC	S 37 57 38.55	E 140 51 39.66	NAILA	S 13 12 54.95	E 128 07 14.04
MOVSE	S 22 14 48.43	E 148 11 33.02	MTGSF	S 37 50 29.23	E 140 46 36.38	NALAR	S 31 18 34.38	E 120 27 18.58
MOVSF	S 22 08 51.57	E 148 05 27.41	MTGSH	S 37 42 31.13	E 140 47 37.44	NALDO	S 02 00 00.00	E 081 00 00.00
MOVSG	S 22 18 46.84	E 148 07 04.56	MTGSI	S 37 55 28.03	E 140 45 58.10	NALLY	S 28 17 07.12	E 118 54 10.75
MOVSH	S 22 00 55.33	E 148 04 09.86	MTGSM	S 37 45 30.42	E 140 47 14.57	NAMBA	S 32 31 10.48	E 151 27 51.94
MOVSI	S 22 13 49.21	E 148 06 15.96	MTIWA	S 16 42 31.47	E 138 56 35.33	NAMIT	S 23 39 58.40	E 133 58 08.71
MOVSJ	S 22 16 13.43	E 148 01 32.08	MTIWB	S 16 37 22.27	E 138 53 54.76	NANDY	S 30 47 13.56	E 149 07 40.75
MOVSM	S 22 03 53.92	E 148 04 38.92	MTIWC	S 16 33 11.37	E 138 58 00.86	NAOMI	S 37 39 20.57	E 144 37 54.66
MOZZA	S 38 04 54.00	E 146 05 54.00	MTIWF	S 16 38 50.45	E 139 04 12.95	NARND	S 34 34 05.38	E 146 16 39.47
MPAND	S 32 38 22.29	E 135 01 57.70	MTIWH	S 16 40 00.61	E 139 12 27.61	NARNE	S 34 28 39.03	E 146 18 54.74
MPANE	S 32 34 42.69	E 135 07 11.83	MTIWI	S 16 38 06.42	E 138 59 03.84	NARNF	S 34 36 44.79	E 146 26 02.45
MPANF	S 32 44 41.98	E 135 08 08.62	MTIWM	S 16 39 34.34	E 139 09 22.10	NARNG	S 34 28 32.36	E 146 25 50.58
MPANG	S 32 37 37.17	E 135 13 03.23	MUCHY	S 31 34 41.35	E 115 58 58.29	NARNH	S 34 43 13.09	E 146 31 45.62
MPANH	S 32 52 41.39	E 135 08 54.19	MUDDL	S 27 22 16.00	E 153 20 47.00	NARNI	S 34 32 41.96	E 146 22 28.42
MPANI	S 32 39 42.34	E 135 07 40.20	MUDIV	S 30 52 25.77	E 137 13 22.63	NARNM	S 34 40 47.51	E 146 29 36.83
MPANM	S 32 49 41.62	E 135 08 37.09	MUDOX	S 23 36 05.89	E 136 17 24.75	NARSA	S 34 49 12.74	E 146 44 08.69
MPASA	S 33 02 33.24	E 135 15 27.12	MULDM	S 29 47 07.84	E 120 28 37.43	NARSB	S 34 54 38.83	E 146 41 54.22
MPASB	S 33 06 13.17	E 135 10 11.69	MULDR	S 34 53 09.02	E 138 25 14.02	NARSC	S 34 54 45.97	E 146 34 55.49
MPASC	S 33 03 18.57	E 135 04 18.50	MULEA	S 32 18 18.86	E 115 56 40.29	NARSF	S 34 46 33.97	E 146 34 43.51
MPASF	S 32 56 13.93	E 135 09 14.44	MULEB	S 32 19 21.52	E 116 03 19.63	NARSH	S 34 40 05.77	E 146 28 59.95
MPASH	S 32 48 14.52	E 135 08 28.81	MULEC	S 32 25 01.58	E 116 04 27.16	NARSI	S 34 50 36.46	E 146 38 18.69
MPASI	S 33 01 13.55	E 135 09 43.04	MULEF	S 32 26 23.11	E 115 54 54.47	NARSM	S 34 42 31.38	E 146 31 08.68
MPASM	S 32 51 14.30	E 135 08 45.90	MULEH	S 32 31 59.97	E 115 48 09.41	NASHO	S 34 11 42.75	E 151 06 25.71
MPZSD	S 38 07 29.26	E 144 52 25.42	MULEI	S 32 22 52.38	E 115 59 07.21	NASTI	S 22 25 07.00	E 125 42 55.00
MPZSE	S 38 11 09.39	E 144 46 49.79	MULEM	S 32 29 53.69	E 115 50 41.40	NASUX	S 12 21 28.80	E 130 42 45.94
MPZSF	S 38 01 10.74	E 144 45 47.74	MULET	S 26 25 54.32	E 155 43 57.08	NATAL	S 11 27 06.68	E 129 58 11.24
MPZSG	S 38 08 15.33	E 144 40 33.22	MULOO	S 27 38 09.00	E 152 26 04.20	NATLI	S 31 00 31.12	E 157 23 48.47
MPZSH	S 37 59 37.74	E 144 49 53.63	MUMBA	S 12 09 39.26	E 130 51 13.82	NATTY	S 31 33 24.00	E 137 08 30.00

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
NATYA	S 34 58 08.17	E 143 13 57.54	NONET	S 25 20 25.19	E 141 08 53.07	NWNEH	S 23 26 20.01	E 119 46 13.78
NAVEY	S 32 01 40.82	E 115 56 22.12	NONIR	S 15 40 32.43	E 148 11 09.91	NWNEI	S 23 19 00.20	E 119 57 55.03
NAYAR	S 10 37 02.61	E 130 19 25.91	NONIX	S 37 04 34.30	E 145 14 49.58	NWNEM	S 23 24 38.56	E 119 48 55.70
NBRSA	S 30 32 24.81	E 149 51 35.51	NONOG	S 25 17 27.91	E 112 27 38.37	NWNWD	S 23 35 24.53	E 119 38 00.08
NBRSB	S 30 34 33.39	E 149 45 25.52	NONUP	S 35 25 50.09	E 148 17 55.84	NWNWE	S 23 32 43.29	E 119 32 28.84
NBRSC	S 30 30 16.45	E 149 40 59.80	NOODL	S 32 49 25.96	E 151 21 16.98	NWNWF	S 23 28 08.48	E 119 42 09.64
NBRSF	S 30 24 47.75	E 149 48 03.48	NOONA	S 12 33 41.97	E 131 03 21.60	NWNWG	S 23 27 01.23	E 119 33 20.00
NBRSH	S 30 16 59.20	E 149 50 09.47	NOPAG	S 10 51 56.69	E 135 52 29.10	NWNWH	S 23 24 28.61	E 119 49 54.03
NBRSI	S 30 29 40.58	E 149 46 44.57	NOPED	S 26 36 31.15	E 119 20 12.33	NWNWI	S 23 30 25.89	E 119 37 19.29
NBRSM	S 30 19 54.91	E 149 49 22.26	NORIC	S 30 40 53.29	E 116 54 28.44	NWNWM	S 23 25 51.11	E 119 46 59.93
NECTA	S 15 11 06.32	E 143 48 04.77	NORIS	S 16 11 53.49	E 144 20 11.45	NYNED	S 31 22 37.58	E 147 21 51.97
NEEKY	S 27 37 47.36	E 115 00 00.00	NORMA	S 17 39 46.23	E 145 32 17.04	NYNEE	S 31 24 59.05	E 147 27 58.20
NEFER	S 37 26 30.00	E 144 56 36.00	NOVEM	S 13 31 47.10	E 131 40 31.88	NYNEF	S 31 30 06.80	E 147 17 55.55
NEILO	S 12 29 47.40	E 131 07 28.20	NOVIN	S 35 07 18.42	E 120 00 00.00	NYNEG	S 31 30 43.38	E 147 27 28.57
NEILS	S 37 49 36.00	E 144 51 00.00	NRCEA	S 36 52 51.57	E 140 57 59.05	NYNEH	S 31 34 12.43	E 147 09 52.64
NELLT	S 12 14 50.79	E 131 06 39.12	NRCEB	S 36 57 11.21	E 141 02 41.21	NYNEI	S 31 27 33.02	E 147 22 57.01
NELLY	S 19 00 00.00	E 146 49 00.00	NRCEC	S 37 02 12.93	E 140 59 13.69	NYNEM	S 31 32 40.38	E 147 12 53.81
NELSN	S 32 43 34.84	E 152 19 12.60	NRCEF	S 36 58 14.74	E 140 50 16.75	NYNWA	S 31 43 26.08	E 147 02 28.50
NERIG	S 35 10 41.37	E 150 02 02.08	NRCEH	S 36 59 04.63	E 140 40 20.93	NYNWB	S 31 41 03.61	E 146 56 20.63
NERTI	S 13 27 02.42	E 133 14 32.16	NRCEI	S 36 57 43.14	E 140 56 29.02	NYNWC	S 31 35 20.11	E 146 56 51.51
NESSY	S 33 33 34.80	E 150 35 13.20	NRCEM	S 36 58 46.02	E 140 44 04.38	NYNWF	S 31 35 57.52	E 147 06 25.61
NETTY	S 28 43 50.35	E 155 30 34.41	NRMWA	S 32 10 29.97	E 147 58 08.03	NYNWH	S 31 31 52.07	E 147 14 28.79
NEVIS	S 37 11 48.00	E 143 16 17.78	NRMWB	S 32 04 45.37	E 147 57 43.03	NYNWI	S 31 38 30.66	E 147 01 23.26
NEWAY	S 12 25 04.57	E 131 10 40.52	NRMWC	S 32 02 27.70	E 148 03 53.84	NYNWM	S 31 33 24.17	E 147 11 27.68
NEWMO	S 32 01 28.20	E 143 31 00.00	NRMWF	S 32 09 59.26	E 148 07 45.63	OCKLY	S 32 48 52.14	E 117 09 16.03
NGUEA	S 14 44 27.41	E 134 58 58.58	NRMWH	S 32 20 09.67	E 148 10 26.86	OCTAN	S 31 44 00.00	E 160 14 30.00
NGUEB	S 14 50 07.22	E 135 00 03.92	NRMWI	S 32 07 22.42	E 148 02 44.19	OCTAV	S 23 47 19.90	E 133 52 14.45
NGUEC	S 14 53 03.17	E 134 54 58.03	NRMWM	S 32 12 35.90	E 148 12 47.36	OCTOB	S 11 08 49.17	E 130 29 37.72
NGUEF	S 14 45 58.14	E 134 50 39.79	NRMWT	S 32 14 09.79	E 148 15 48.54	ODALE	S 34 05 21.18	E 150 31 03.93
NGUEH	S 14 42 38.58	E 134 43 08.68	NRVEA	S 33 37 23.86	E 120 22 19.70	OILER	S 18 09 18.00	E 150 42 06.00
NGUEI	S 14 48 02.74	E 134 55 21.85	NRVEB	S 33 39 42.65	E 120 28 37.06	OJJAY	S 32 28 40.08	E 137 18 13.87
NGUEM	S 14 43 53.44	E 134 45 57.82	NRVEC	S 33 45 26.71	E 120 28 10.36	OKAPI	S 31 51 52.35	E 148 39 13.61
NGUWD	S 14 42 32.50	E 134 31 12.79	NRVEF	S 33 44 54.44	E 120 18 22.15	OKIBU	S 18 10 14.17	E 117 21 38.61
NGUWE	S 14 36 52.56	E 134 30 08.21	NRVEH	S 33 49 03.25	E 120 10 09.34	OKMEL	S 37 33 42.67	E 144 49 04.41
NGUWF	S 14 41 02.44	E 134 39 31.57	NRVEI	S 33 42 18.65	E 120 23 29.76	OKTON	S 34 51 16.13	E 138 40 01.46
NGUWG	S 14 33 57.13	E 134 35 14.04	NRVEM	S 33 47 30.01	E 120 13 14.24	OKYEE	S 27 15 16.82	E 151 50 58.68
NGUWH	S 14 44 22.08	E 134 47 02.58	NRVWD	S 33 50 16.31	E 119 56 48.07	OKYEF	S 27 21 27.68	E 151 48 28.75
NGUWI	S 14 38 57.53	E 134 34 49.81	NRVWE	S 33 56 00.24	E 119 56 19.20	OKYEG	S 27 16 50.48	E 151 55 49.33
NGUWM	S 14 43 07.25	E 134 44 13.42	NRVWF	S 33 50 50.29	E 120 06 36.75	OKYEH	S 27 21 18.45	E 151 42 51.97
NHLEA	S 36 14 03.06	E 141 54 29.68	NRVWG	S 33 58 20.35	E 120 02 37.21	OKYEI	S 27 19 09.13	E 151 52 09.12
NHLEB	S 36 18 43.42	E 141 58 37.20	NRVWH	S 33 46 41.72	E 120 14 49.91	OKYEJ	S 27 21 26.57	E 151 55 50.35
NHLEC	S 36 23 27.64	E 141 54 36.26	NRVWI	S 33 53 25.37	E 120 01 28.13	OKYEM	S 27 23 40.60	E 151 44 57.04
NHLEF	S 36 18 49.19	E 141 46 14.83	NRVWM	S 33 48 15.00	E 120 11 45.07	OKYNA	S 27 18 23.20	E 151 34 34.54
NHLEH	S 36 18 53.66	E 141 36 20.93	NSMNA	S 31 59 23.84	E 121 41 24.11	OKYNC	S 27 14 03.88	E 151 36 21.03
NHLEI	S 36 18 46.31	E 141 52 26.02	NSMNC	S 31 56 34.49	E 121 47 16.53	OKYND	S 27 14 04.48	E 151 41 29.75
NHLEM	S 36 18 52.08	E 141 40 03.64	NSMND	S 32 00 18.64	E 121 52 23.99	OKYNF	S 27 20 38.87	E 151 41 28.94
NICAY	S 34 57 41.57	E 139 07 52.51	NSMNF	S 32 06 32.91	E 121 46 08.11	OKYNH	S 27 20 08.27	E 151 50 40.02
NICKY	S 34 19 27.24	E 149 19 18.76	NSMNH	S 32 14 21.00	E 121 44 19.29	OKYNI	S 27 17 21.40	E 151 38 54.91
NICLA	S 32 03 04.96	E 152 00 15.72	NSMNI	S 32 01 33.70	E 121 46 42.32	OKYNM	S 27 23 56.29	E 151 44 03.13
NICOL	S 13 07 48.16	E 132 03 54.17	NSMNM	S 32 11 32.12	E 121 45 33.84	OKYSF	S 27 28 24.25	E 151 47 32.69
NICON	S 34 53 35.51	E 138 14 50.38	NTNND	S 17 33 25.01	E 140 53 01.81	OKYSH	S 27 22 38.84	E 151 43 02.62
NIFTI	S 39 53 54.00	E 147 39 06.00	NTNNE	S 17 28 03.53	E 140 55 14.16	OKYSI	S 27 31 41.56	E 151 50 07.23
NIKIL	S 26 18 00.00	E 144 11 42.00	NTNNF	S 17 36 26.15	E 141 01 00.29	OKYSK	S 27 30 40.61	E 151 54 28.08
NIKKI	S 28 05 58.53	E 153 34 20.04	NTNNG	S 17 28 12.77	E 141 01 13.93	OKYSL	S 27 34 58.82	E 151 52 41.92
NIKKY	S 19 02 59.00	E 146 55 26.50	NTNNH	S 17 43 08.11	E 141 05 37.58	OKYSM	S 27 25 06.89	E 151 44 58.31
NIKOM	S 15 44 15.12	E 124 43 22.94	NTNNI	S 17 32 14.86	E 140 58 07.16	OKYSN	S 27 34 59.44	E 151 47 31.92
NILUP	S 11 14 00.00	E 131 33 00.00	NTNNM	S 17 40 37.39	E 141 03 53.56	OLDEA	S 30 27 12.72	E 137 09 59.74
NINEP	S 34 00 06.82	E 137 52 49.86	NTNSA	S 17 49 02.06	E 141 15 36.45	OLDEF	S 30 27 11.43	E 136 58 46.93
NINOB	S 26 00 00.01	E 106 29 05.75	NTNSB	S 17 54 23.46	E 141 13 24.37	OLDEH	S 30 32 43.83	E 136 57 22.67
NIPEM	S 26 32 20.03	E 117 05 14.17	NTNSC	S 17 54 14.40	E 141 07 23.46	OLDEI	S 30 25 30.77	E 137 04 13.95
NIRUL	S 31 42 29.03	E 116 15 50.08	NTNSF	S 17 46 01.21	E 141 07 37.10	OLDEM	S 30 28 51.86	E 136 53 19.73
NITTA	S 21 42 38.66	E 149 04 00.76	NTNSH	S 17 39 19.28	E 141 02 59.67	OLDER	S 21 11 12.00	E 147 13 42.00
NIVED	S 18 33 08.75	E 138 03 31.62	NTNSI	S 17 50 12.36	E 141 10 30.67	OLGEK	S 31 40 02.06	E 116 11 05.34
NOBAR	S 33 47 10.72	E 151 44 24.35	NTNSM	S 17 41 50.02	E 141 04 43.67	OLLEE	S 31 47 32.79	E 136 18 07.55
NODAB	S 13 21 35.18	E 106 38 20.92	NUFFA	S 34 14 42.31	E 151 18 55.62	OLLIE	S 25 05 07.58	E 147 30 18.95
NODDY	S 28 33 16.53	E 152 26 59.84	NUGET	S 12 36 47.99	E 131 33 37.66	OLREL	S 35 39 02.70	E 163 00 00.00
NODOK	S 12 11 12.00	E 155 00 00.00	NUMKI	S 34 53 21.25	E 138 37 04.69	OLRIP	S 30 23 54.37	E 151 38 20.93
NOGAS	S 25 32 37.49	E 118 26 08.40	NUMSA	S 39 25 11.09	E 163 00 00.00	OLRUN	S 23 24 47.06	E 119 00 20.12
NOGRA	S 27 25 24.00	E 152 59 34.00	NUNLA	S 25 45 11.25	E 111 00 52.67	OLWND	S 21 26 54.82	E 115 07 11.24
NOLAN	S 40 39 27.40	E 147 11 54.21	NUTTA	S 15 00 31.91	E 130 58 15.85	OLWNE	S 21 25 41.04	E 115 13 11.63
NOLES	S 25 04 01.95	E 137 06 20.55	NWNEA	S 23 14 08.36	E 119 56 35.23	OLWNF	S 21 34 56.74	E 115 09 03.80
NOMAD	S 11 56 16.32	E 130 26 14.15	NWNEB	S 23 16 11.02	E 120 02 24.56	OLWNG	S 21 30 32.77	E 115 16 29.13
NOMID	S 37 44 47.42	E 144 52 21.59	NWNEC	S 23 21 56.29	E 120 02 19.41	OLWNH	S 21 42 21.27	E 115 05 45.32
NONAX	S 23 31 17.01	E 123 52 08.82	NWNEF	S 23 21 49.38	E 119 53 25.41	OLWNI	S 21 30 18.89	E 115 11 07.75

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
OLWNM	S 21 39 34.58	E 115 06 59.79	ORGWB	S 33 10 31.23	E 148 55 03.38	PANTO	S 14 44 36.00	E 144 19 54.00
OLWSA	S 21 53 38.17	E 115 06 11.07	ORGWC	S 33 10 03.19	E 149 01 52.01	PARAD	S 17 02 34.49	E 124 37 20.76
OLWSB	S 21 54 52.00	E 115 00 09.54	ORGWF	S 33 18 13.94	E 149 02 40.04	PARCU	S 28 34 48.00	E 152 32 54.00
OLWSC	S 21 50 00.13	E 114 56 51.74	ORGWH	S 33 25 09.92	E 149 09 32.19	PARKA	S 34 49 58.00	E 138 27 49.93
OLWSF	S 21 45 36.39	E 115 04 18.09	ORGWI	S 33 14 22.65	E 148 58 51.54	PARKS	S 31 58 36.00	E 115 50 18.00
OLWSH	S 21 38 11.88	E 115 07 36.71	ORGWM	S 33 22 05.09	E 149 06 28.88	PARRY	S 27 44 46.34	E 152 21 19.88
OLWSI	S 21 50 14.20	E 115 02 13.85	ORTOS	S 28 04 30.00	E 141 32 18.00	PARTY	S 18 26 09.38	E 133 44 48.48
OLWSM	S 21 40 58.58	E 115 06 22.27	OSAPA	S 35 26 16.76	E 149 01 20.19	PASCO	S 37 43 12.00	E 144 57 48.00
OMKIN	S 42 24 51.76	E 163 00 00.00	OSBED	S 22 09 34.25	E 140 46 38.74	PASTA	S 30 14 36.90	E 147 26 07.77
OMOSA	S 37 15 32.68	E 147 37 54.40	OSBEE	S 22 15 17.24	E 140 45 55.38	PATSI	S 23 00 00.00	E 133 39 22.92
OMOSF	S 37 10 50.79	E 147 40 03.70	OSBEF	S 22 08 36.37	E 140 37 52.94	PAULA	S 37 34 24.00	E 145 02 06.00
OMOSI	S 37 13 21.88	E 147 42 06.53	OSBEG	S 22 16 36.48	E 140 39 54.25	PAWSO	S 17 12 44.02	E 146 06 19.52
OMOSM	S 37 07 29.29	E 147 37 20.13	OSBEH	S 22 03 15.39	E 140 31 27.53	PBOEA	S 22 59 08.56	E 117 53 38.74
OMUBI	S 23 38 15.40	E 146 04 05.84	OSBEI	S 22 11 56.85	E 140 41 54.07	PBOEB	S 23 01 07.64	E 117 59 28.87
ONALA	S 15 11 10.49	E 117 01 44.66	OSBEM	S 22 05 15.78	E 140 33 52.00	PBOEC	S 23 06 52.95	E 117 59 27.87
ONDRA	S 28 10 37.02	E 152 25 19.37	OSBWA	S 22 00 12.90	E 140 20 14.10	PBOEF	S 23 06 51.50	E 117 50 34.81
ONELU	S 22 51 53.09	E 144 46 20.58	OSBWB	S 21 54 30.02	E 140 20 58.42	PBOEH	S 23 10 44.63	E 117 43 03.86
ONGAR	S 29 12 00.28	E 114 47 54.99	OSBWC	S 21 53 11.47	E 140 26 58.80	PBOEI	S 23 03 59.57	E 117 55 01.89
ONGLO	S 35 27 30.00	E 149 17 06.00	OSBWF	S 22 01 11.73	E 140 28 59.27	PBOEM	S 23 09 43.43	E 117 46 07.64
ONIVI	S 28 59 03.25	E 147 13 49.87	OSBWH	S 22 06 32.81	E 140 35 24.49	PBOWD	S 23 19 50.85	E 117 34 34.99
ONOXA	S 12 00 00.01	E 120 52 44.55	OSBWI	S 21 57 50.92	E 140 24 58.75	PBOWE	S 23 16 57.13	E 117 29 11.89
ONSLO	S 21 39 59.38	E 115 06 43.35	OSBWM	S 22 04 32.43	E 140 32 59.97	PBOWF	S 23 12 44.68	E 117 39 03.35
OODEA	S 27 39 54.05	E 135 39 45.19	OSOTO	S 18 07 15.44	E 116 35 53.88	PBOWG	S 23 11 17.31	E 117 30 18.18
OODEB	S 27 45 29.64	E 135 38 14.83	OSTIN	S 38 37 11.76	E 160 21 07.15	PBOWH	S 23 17 22.96	E 117 48 58.45
OODEC	S 27 46 08.67	E 135 31 49.38	OSVOL	S 20 15 03.65	E 122 02 55.59	PBOWI	S 23 14 50.91	E 117 34 07.66
OODEF	S 27 37 59.06	E 135 30 46.91	OVENS	S 24 59 12.00	E 149 15 18.00	PBOWM	S 23 10 38.45	E 117 43 58.96
OODEH	S 27 31 58.54	E 135 24 49.00	OVILS	S 33 42 05.94	E 151 08 01.17	PCCND	S 12 03 13.10	E 096 39 26.49
OODEI	S 27 41 44.35	E 135 34 30.81	OWENS	S 37 14 46.00	E 144 29 27.00	PCCNE	S 11 57 57.90	E 096 41 50.72
OODEM	S 27 34 13.76	E 135 27 03.14	PADDY	S 26 52 44.23	E 158 25 15.05	PCCNF	S 12 06 35.80	E 096 47 03.91
OODWD	S 27 27 37.38	E 135 13 27.30	PADNA	S 34 47 26.48	E 138 45 38.76	PCCNG	S 11 58 23.43	E 096 47 40.87
OODWE	S 27 22 01.88	E 135 14 57.90	PADNF	S 34 51 18.08	E 138 40 03.58	PCCNH	S 12 13 30.04	E 096 51 14.71
OODWF	S 27 29 32.71	E 135 22 24.46	PADNH	S 34 59 38.79	E 138 27 55.42	PCCNI	S 12 02 16.86	E 096 44 27.27
OODWG	S 27 21 22.92	E 135 21 21.96	PADNI	S 34 48 43.78	E 138 43 47.15	PCCNM	S 12 10 54.70	E 096 49 40.63
OODWH	S 27 35 33.32	E 135 28 22.13	PADNJ	S 34 52 06.41	E 138 50 50.72	PCCSA	S 12 19 44.15	E 097 00 36.77
OODWI	S 27 25 47.29	E 135 18 41.11	PADNM	S 34 56 26.32	E 138 32 35.74	PCCSB	S 12 24 59.50	E 096 58 12.71
OODWM	S 27 33 18.12	E 135 26 07.92	PADRY	S 23 19 52.30	E 115 39 24.82	PCCSC	S 12 24 34.20	E 096 52 21.95
OOMWA	S 28 01 51.35	E 139 56 50.89	PADSD	S 35 08 35.09	E 138 26 16.20	PCCSF	S 12 16 21.83	E 096 52 58.80
OOMWB	S 27 56 06.14	E 139 57 03.39	PADSE	S 35 06 55.58	E 138 17 16.89	PCCSH	S 12 09 27.62	E 096 48 47.91
OOMWC	S 27 54 18.55	E 140 03 12.16	PADSF	S 35 00 31.30	E 138 26 38.83	PCCSI	S 12 20 40.68	E 096 55 35.71
OOMWF	S 28 02 06.87	E 140 06 05.79	PADSG	S 34 59 36.54	E 138 16 38.67	PCCSM	S 12 12 02.95	E 096 50 21.96
OOMWH	S 27 59 23.57	E 140 14 45.30	PADSH	S 34 55 23.34	E 138 34 07.33	PDNEA	S 12 24 35.19	E 131 06 48.37
OOMWI	S 27 59 06.58	E 140 01 34.46	PADSI	S 35 03 43.53	E 138 21 58.04	PDNEB	S 12 30 07.30	E 131 08 25.97
OOMWM	S 28 05 07.01	E 140 10 37.36	PADSM	S 34 57 38.04	E 138 30 51.13	PDNEC	S 12 33 30.99	E 131 03 41.68
OPABA	S 08 51 30.00	E 138 04 00.00	PAGNA	S 32 19 06.36	E 137 31 56.82	PDNEF	S 12 26 52.11	E 130 58 45.71
OPALL	S 26 34 43.04	E 118 27 08.16	PAGNC	S 32 14 21.52	E 137 35 45.67	PDNEH	S 12 24 15.91	E 130 51 01.61
OPAMI	S 29 01 39.43	E 153 28 01.33	PAGND	S 32 15 46.53	E 137 42 18.97	PDNEI	S 12 28 29.70	E 131 03 35.83
OPESO	S 28 56 25.90	E 153 20 57.82	PAGNF	S 32 23 43.88	E 137 39 56.16	PDNEM	S 12 25 14.51	E 130 53 55.63
OPIPO	S 26 59 44.71	E 151 28 03.76	PAGNH	S 32 25 29.78	E 137 45 16.00	PDNSA	S 12 36 17.98	E 130 46 59.10
OPOSI	S 20 35 07.90	E 148 58 29.12	PAGNI	S 32 19 02.72	E 137 37 50.81	PDNSB	S 12 37 24.66	E 130 52 16.42
OPTIC	S 34 24 04.14	E 151 53 19.79	PAGNM	S 32 28 25.00	E 137 42 01.73	PDNSC	S 12 36 16.37	E 130 57 33.37
ORBEA	S 37 40 10.51	E 148 51 54.46	PALGA	S 12 42 57.00	E 132 13 46.00	PDNSF	S 12 30 22.80	E 130 52 15.31
ORBEB	S 37 45 17.03	E 148 57 43.73	PALTI	S 27 51 09.00	E 116 42 12.59	PDNSH	S 12 21 20.75	E 130 52 01.06
ORBEC	S 37 50 29.17	E 148 53 05.82	PAMMY	S 34 44 01.77	E 138 19 45.45	PDNSI	S 12 34 23.86	E 130 52 15.94
ORBEF	S 37 46 39.16	E 148 43 57.83	PAMNA	S 18 37 34.09	E 146 23 42.61	PDNSM	S 12 25 22.67	E 130 52 14.61
ORBEH	S 37 47 38.70	E 148 33 56.98	PAMNC	S 18 33 10.68	E 146 25 10.71	PDNWD	S 12 25 07.62	E 130 38 46.72
ORBEI	S 37 46 01.84	E 148 50 13.27	PAMND	S 18 32 59.45	E 146 30 00.16	PDNWE	S 12 19 35.45	E 130 37 09.36
ORBEM	S 37 47 16.47	E 148 37 42.33	PAMNF	S 18 39 33.92	E 146 30 17.08	PDNWF	S 12 22 50.88	E 130 46 49.26
ORBUN	S 34 11 45.05	E 138 43 16.22	PAMNH	S 18 42 56.42	E 146 29 47.45	PDNWG	S 12 16 11.88	E 130 41 53.48
ORBWD	S 37 53 35.09	E 148 21 45.06	PAMNI	S 18 36 22.31	E 146 27 43.85	PDNWH	S 12 25 27.18	E 130 54 33.28
ORBWE	S 37 49 26.63	E 148 15 38.81	PAMNM	S 18 42 45.48	E 146 32 50.41	PDNWI	S 12 21 13.16	E 130 41 59.29
ORBWF	S 37 48 05.40	E 148 29 25.37	PAMSE	S 18 49 48.38	E 146 44 22.96	PDNWM	S 12 24 28.59	E 130 51 39.26
ORBWG	S 37 43 21.44	E 148 19 43.01	PAMSF	S 18 49 30.26	E 146 39 12.42	PEACH	S 12 23 06.00	E 138 10 42.00
ORBWH	S 37 47 06.14	E 148 39 26.31	PAMSG	S 18 53 15.20	E 146 44 09.53	PEAKE	S 36 01 00.00	E 149 30 36.00
ORBWI	S 37 48 42.34	E 148 23 09.69	PAMSH	S 18 50 53.65	E 146 36 15.26	PEART	S 37 28 30.68	E 144 43 26.91
ORBWM	S 37 47 28.46	E 148 35 40.99	PAMSI	S 18 51 22.64	E 146 41 41.04	PEBAL	S 37 58 36.00	E 144 58 36.00
ORCHY	S 31 59 40.76	E 115 40 52.12	PAMSJ	S 18 54 13.84	E 146 40 40.31	PEBBL	S 12 39 38.53	E 130 49 23.54
ORGED	S 33 26 18.55	E 149 23 13.55	PAMSM	S 18 47 37.41	E 146 36 44.23	PEBDO	S 30 19 52.48	E 151 35 20.95
ORGEE	S 33 32 02.93	E 149 23 10.53	PANBA	S 21 58 23.98	E 115 15 17.04	PEBTA	S 10 57 50.55	E 140 10 30.73
ORGEF	S 33 26 14.54	E 149 13 25.92	PANBI	S 23 29 14.69	E 119 19 53.64	PECAN	S 31 00 44.98	E 148 00 25.68
ORGEG	S 33 33 58.43	E 149 16 42.04	PANDU	S 11 38 06.00	E 078 26 36.00	PECOB	S 43 09 42.72	E 150 56 13.10
ORGEH	S 33 19 45.65	E 149 04 19.69	PANKI	S 34 58 37.77	E 140 20 57.16	PEDPI	S 13 16 36.00	E 075 00 00.00
ORGEI	S 33 29 08.83	E 149 18 18.06	PANNA	S 21 20 37.43	E 116 19 17.18	PEKAY	S 23 16 39.11	E 118 34 54.42
ORGEM	S 33 23 20.06	E 149 08 34.10	PANOR	S 33 17 28.40	E 149 48 23.06	PELIK	S 36 12 38.60	E 139 31 07.98
ORGWA	S 33 16 03.70	E 148 53 14.62	PANTN	S 37 35 42.00	E 145 15 06.00	PELIS	S 18 57 02.13	E 146 01 43.93

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
PEMAC	S 28 00 37.00	E 153 26 40.00	PIRWI	S 33 14 15.66	E 137 47 32.91	PKSWM	S 33 08 32.74	E 148 13 18.50
PENAR	S 20 21 16.45	E 141 13 55.77	PIRWM	S 33 14 17.20	E 137 59 28.26	PKTND	S 14 05 02.56	E 129 23 08.42
PENNY	S 19 37 06.26	E 145 13 08.83	PJTED	S 31 54 22.24	E 116 02 02.42	PKTNE	S 14 00 22.88	E 129 26 36.45
PENZA	S 37 45 15.94	E 142 13 55.13	PJTEF	S 32 02 06.90	E 115 58 50.79	PKTNF	S 14 09 52.56	E 129 29 57.70
PEPPY	S 26 06 36.00	E 141 39 30.00	PJTEG	S 32 02 01.24	E 116 08 28.95	PKTNG	S 14 01 57.96	E 129 32 16.80
PEREF	S 31 53 15.81	E 116 03 45.43	PJTEH	S 32 03 52.69	E 115 45 56.14	PKTNH	S 14 17 28.30	E 129 32 38.81
PEREH	S 31 57 24.45	E 115 55 42.51	PJTEI	S 31 59 11.73	E 116 03 37.54	PKTNI	S 14 05 07.72	E 129 28 17.05
PEREM	S 31 55 51.27	E 115 58 43.65	PJTEM	S 32 05 01.88	E 115 54 03.73	PKTNM	S 14 14 37.41	E 129 31 38.37
PERKS	S 13 26 07.49	E 128 11 40.48	PJTSF	S 32 08 38.09	E 115 58 26.28	PKTSA	S 14 24 55.48	E 129 40 24.34
PERND	S 31 47 43.30	E 115 55 40.14	PJTSH	S 32 04 10.82	E 115 45 10.90	PKTSB	S 14 29 35.25	E 129 36 56.08
PERNF	S 31 51 53.42	E 115 59 13.21	PJTSI	S 32 10 56.20	E 116 03 40.20	PKTSC	S 14 28 00.12	E 129 31 15.05
PERNH	S 31 58 22.24	E 115 57 20.05	PJTSK	S 32 13 14.09	E 116 08 54.38	PKTSF	S 14 20 05.60	E 129 33 34.66
PERNM	S 31 55 27.18	E 115 58 11.05	PJTSL	S 32 15 54.37	E 116 02 55.08	PKTSH	S 14 12 29.88	E 129 30 53.29
PERSA	S 27 49 44.42	E 152 47 45.96	PJTSM	S 32 06 19.76	E 115 53 12.62	PKTSI	S 14 24 50.43	E 129 35 15.25
PERSF	S 32 02 09.80	E 115 56 13.69	PJTWA	S 32 14 04.58	E 115 47 17.11	PKTSM	S 14 15 20.78	E 129 31 53.71
PERSH	S 31 53 29.68	E 115 51 17.80	PJTWF	S 32 08 29.11	E 115 48 22.99	PKUEA	S 15 47 40.24	E 128 56 18.28
PERSI	S 32 06 03.19	E 115 55 05.52	PJTWH	S 32 09 32.64	E 115 52 57.50	PKUEB	S 15 53 20.17	E 128 57 22.66
PERSM	S 31 57 47.22	E 115 57 30.27	PJTWI	S 32 10 48.79	E 115 44 32.84	PKUEC	S 15 56 14.94	E 128 52 14.56
PERWF	S 31 59 02.76	E 115 52 31.11	PJTWM	S 32 06 09.31	E 115 52 12.96	PKUEF	S 15 49 09.06	E 128 47 56.83
PERWH	S 31 54 54.35	E 116 00 34.22	PKAEA	S 20 36 43.13	E 116 59 03.07	PKUEH	S 15 43 28.05	E 128 40 01.55
PERWM	S 31 56 27.56	E 115 57 33.14	PKAEB	S 20 41 02.51	E 117 03 05.40	PKUEI	S 15 51 14.67	E 128 52 39.69
PESKY	S 17 04 09.72	E 146 26 32.04	PKAEC	S 20 46 05.58	E 117 00 09.26	PKUEM	S 15 47 03.36	E 128 43 14.06
PETAA	S 31 05 43.00	E 115 36 30.00	PKAEF	S 20 42 08.94	E 116 52 29.34	PKUWD	S 15 41 08.12	E 128 29 21.89
PETAB	S 30 50 00.00	E 116 00 00.00	PKAEH	S 20 43 02.25	E 116 44 00.46	PKUWE	S 15 35 27.50	E 128 30 22.18
PETAC	S 30 50 00.00	E 115 30 00.00	PKAEI	S 20 41 35.68	E 116 57 47.37	PKUWF	S 15 42 31.43	E 128 37 44.07
PETAD	S 30 37 30.00	E 114 29 03.00	PKAEM	S 20 42 42.29	E 116 47 11.30	PKUWG	S 15 34 25.82	E 128 36 13.01
PETAE	S 32 00 06.00	E 114 05 30.00	PKAWD	S 20 48 49.77	E 116 34 01.48	PKUWH	S 15 48 10.38	E 128 43 37.95
PETAF	S 32 45 59.00	E 114 31 38.00	PKAWE	S 20 44 30.58	E 116 29 58.71	PKUWI	S 15 38 59.50	E 128 34 03.06
PETAG	S 32 56 18.00	E 115 31 41.00	PKAWF	S 20 43 23.76	E 116 40 34.88	PKUWM	S 15 46 03.29	E 128 41 25.21
PETRL	S 17 12 16.01	E 135 21 34.46	PKAWG	S 20 39 27.39	E 116 32 54.58	PLCNA	S 34 22 39.37	E 135 54 24.65
PEWEE	S 17 55 56.56	E 146 30 05.45	PKAWH	S 20 42 30.48	E 116 49 03.79	PLCNC	S 34 21 49.16	E 136 01 15.97
PFTNF	S 36 07 38.58	E 149 10 45.09	PKAWI	S 20 43 57.12	E 116 35 16.80	PLCND	S 34 26 52.34	E 136 04 33.94
PFTNH	S 36 14 19.22	E 149 11 53.72	PKAWM	S 20 42 50.49	E 116 45 52.96	PLCNF	S 34 30 46.54	E 135 55 51.09
PFTNI	S 36 03 44.59	E 149 11 52.78	PKGEF	S 30 49 30.63	E 121 34 11.19	PLCNH	S 34 37 56.41	E 135 51 30.70
PFTNM	S 36 12 31.04	E 149 09 20.31	PKGEH	S 30 46 42.66	E 121 25 28.93	PLCNI	S 34 26 17.85	E 135 58 33.60
PGVED	S 12 20 57.21	E 137 02 22.21	PKGEI	S 30 51 15.54	E 121 39 37.76	PLCNM	S 34 35 15.23	E 135 53 08.43
PGVEE	S 12 26 41.52	E 137 01 52.22	PKGEJ	S 30 47 26.65	E 121 43 23.70	PLEDL	S 29 09 01.58	E 124 56 47.98
PGVEF	S 12 20 07.18	E 136 53 52.47	PKGEK	S 30 53 00.45	E 121 45 04.43	PLEZN	S 34 47 03.71	E 139 04 23.62
PGVEG	S 12 28 11.57	E 136 56 12.48	PKGEL	S 30 56 16.21	E 121 39 35.06	PLMND	S 22 00 53.15	E 114 01 17.48
PGVEH	S 12 15 05.57	E 136 47 45.78	PKGEM	S 30 47 45.72	E 121 28 44.72	PLMNE	S 21 57 54.62	E 114 06 34.47
PGVEI	S 12 23 28.27	E 136 57 56.97	PKGND	S 30 34 28.90	E 121 23 37.94	PLMNF	S 22 07 55.36	E 114 05 51.02
PGVEM	S 12 17 01.61	E 136 50 06.77	PKGNE	S 30 31 38.98	E 121 29 24.79	PLMNG	S 22 01 31.21	E 114 11 22.91
PGVWA	S 12 12 05.68	E 136 36 33.03	PKGNF	S 30 41 37.64	E 121 28 18.56	PLMNH	S 22 15 55.95	E 114 05 16.22
PGVWB	S 12 06 21.01	E 136 37 01.55	PKGNG	S 30 35 22.74	E 121 34 28.14	PLMNI	S 22 02 54.99	E 114 06 12.75
PGVWC	S 12 04 49.50	E 136 42 40.17	PKGNH	S 30 49 36.55	E 121 27 25.48	PLMNM	S 22 12 55.73	E 114 05 29.28
PGVWF	S 12 12 45.61	E 136 44 53.18	PKGNI	S 30 36 38.31	E 121 28 51.69	PLMSA	S 22 27 09.41	E 114 09 32.39
PGVWH	S 12 17 53.13	E 136 51 10.76	PKGNM	S 30 46 36.96	E 121 27 45.40	PLMSB	S 22 30 08.07	E 114 04 14.40
PGVWI	S 12 09 33.34	E 136 40 57.32	PKGSF	S 30 52 47.37	E 121 27 04.30	PLMSC	S 22 26 31.32	E 113 59 25.12
PGVWM	S 12 15 38.43	E 136 48 25.69	PKGSH	S 30 44 56.33	E 121 25 29.88	PLMSF	S 22 20 07.36	E 114 04 57.99
PHONE	S 27 28 58.70	E 140 37 53.26	PKGSI	S 30 57 46.68	E 121 26 31.05	PLMSH	S 22 12 06.77	E 114 05 32.83
PIBED	S 05 20 12.00	E 090 44 00.00	PKGSM	S 30 47 48.06	E 121 27 37.52	PLMSI	S 22 25 07.71	E 114 04 36.20
PIBOT	S 20 51 22.64	E 115 24 22.10	PKGSN	S 30 59 55.87	E 121 31 46.18	PLMSM	S 22 15 06.99	E 114 05 19.77
PIERS	S 37 55 00.63	E 144 53 03.63	PKGSO	S 31 02 45.99	E 121 25 57.77	PLUGA	S 35 36 26.56	E 154 41 19.83
PIGGY	S 29 11 45.18	E 153 23 46.32	PKGSP	S 30 59 02.00	E 121 20 53.22	PLUGG	S 27 09 52.01	E 153 11 39.88
PIKIL	S 32 06 00.64	E 117 42 51.07	PKGWA	S 30 47 30.53	E 121 12 20.66	PLUTO	S 22 57 22.52	E 149 40 52.88
PILBY	S 34 40 13.63	E 136 44 02.34	PKGWB	S 30 41 56.59	E 121 10 40.62	PMHNA	S 29 30 00.07	E 135 28 32.48
PILLO	S 13 28 10.65	E 139 03 40.31	PKGWC	S 30 38 41.10	E 121 16 09.40	PMHNC	S 29 27 32.83	E 135 34 29.07
PILTA	S 33 11 30.00	E 141 47 36.00	PKGWF	S 30 45 26.97	E 121 21 32.78	PMHND	S 29 31 35.48	E 135 39 09.41
PINAV	S 28 52 54.00	E 129 00 00.00	PKGWH	S 30 48 15.16	E 121 30 14.83	PMHNF	S 29 37 25.69	E 135 32 32.93
PINKY	S 28 57 04.21	E 167 46 34.50	PKGWI	S 30 43 41.78	E 121 16 06.65	PMHNH	S 29 45 19.95	E 135 30 59.74
PIPOV	S 04 22 06.00	E 092 32 30.00	PKGWM	S 30 47 12.16	E 121 26 59.00	PMHNI	S 29 32 29.26	E 135 33 31.05
PIPPA	S 14 40 51.13	E 150 11 24.44	PKSEA	S 32 56 47.78	E 148 23 25.13	PMHNM	S 29 42 22.10	E 135 31 34.71
PIRED	S 33 09 36.00	E 138 14 06.86	PKSEB	S 32 58 44.57	E 148 29 50.06	PMHSE	S 29 55 54.50	E 135 34 23.86
PIREE	S 33 14 17.80	E 138 18 01.61	PKSEC	S 33 04 29.43	E 148 29 51.76	PMHSF	S 29 48 28.96	E 135 30 22.53
PIREF	S 33 14 17.76	E 138 06 06.26	PKSEF	S 33 04 31.10	E 148 20 06.76	PMHSG	S 29 58 21.73	E 135 28 25.59
PIREG	S 33 19 00.88	E 138 14 05.67	PKSEH	S 33 08 33.21	E 148 13 17.69	PMHSH	S 29 40 34.71	E 135 31 55.82
PIREH	S 33 14 16.84	E 137 56 33.97	PKSEI	S 33 01 37.92	E 148 24 58.57	PMHSI	S 29 53 25.35	E 135 29 24.11
PIREI	S 33 14 18.24	E 138 12 03.93	PKSEM	S 33 07 24.09	E 148 15 14.62	PMHSJ	S 29 54 18.72	E 135 23 44.43
PIREM	S 33 14 17.27	E 138 00 08.58	PKSWD	S 33 19 08.34	E 148 05 05.85	PMHSM	S 29 43 32.55	E 135 31 20.86
PIRWA	S 33 19 16.22	E 137 47 32.16	PKSWE	S 33 17 10.31	E 147 58 39.92	PMPND	S 14 45 05.78	E 141 25 57.09
PIRWB	S 33 14 14.88	E 137 41 35.24	PKSWF	S 33 11 25.40	E 148 08 26.06	PMPNE	S 14 39 54.12	E 141 28 30.60
PIRWC	S 33 09 15.08	E 137 47 33.66	PKSWG	S 33 11 25.40	E 147 58 40.23	PMPNF	S 14 48 39.09	E 141 33 34.58
PIRWF	S 33 14 16.43	E 137 53 30.58	PKSWH	S 33 06 48.98	E 148 16 13.96	PMPNG	S 14 40 27.83	E 141 34 23.94
PIRWH	S 33 14 17.53	E 138 03 02.87	PKSWI	S 33 14 17.95	E 148 03 33.15	PMPNH	S 14 55 38.97	E 141 37 38.05

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
PMPNI	S 14 44 16.62	E 141 31 02.54	PPDSC	S 20 35 29.21	E 118 43 12.80	QDISM	S 31 30 23.23	E 150 31 47.67
PMPNM	S 14 53 01.52	E 141 36 06.72	PPDSF	S 20 27 20.26	E 118 42 03.87	QLPEA	S 26 32 45.41	E 144 29 36.74
PMPSA	S 15 03 04.51	E 141 47 31.34	PPDSH	S 20 21 25.48	E 118 36 18.14	QLPEB	S 26 37 41.25	E 144 32 53.70
PMPSB	S 15 08 16.37	E 141 44 58.01	PPDSI	S 20 31 01.97	E 118 45 40.10	QLPEC	S 26 42 09.38	E 144 28 51.18
PMPSC	S 15 07 42.94	E 141 39 03.88	PPDSM	S 20 23 38.55	E 118 38 27.74	QLPEF	S 26 36 58.39	E 144 21 45.90
PMPSF	S 14 59 31.67	E 141 39 53.12	PPHSA	S 32 05 05.13	E 115 50 31.36	QLPEH	S 26 36 23.48	E 144 12 51.76
PMPSH	S 14 52 31.83	E 141 35 49.50	PRANA	S 18 54 36.69	E 146 46 31.92	QLPEI	S 26 37 19.93	E 144 27 19.78
PMPSI	S 15 03 54.04	E 141 42 25.51	PRAWN	S 33 57 50.66	E 151 22 45.67	QLPEM	S 26 36 36.64	E 144 16 12.05
PMPSM	S 14 55 09.28	E 141 37 20.82	PRICE	S 34 24 18.51	E 140 13 15.30	QLPWD	S 26 40 20.98	E 144 01 17.26
PMQND	S 31 12 12.20	E 152 53 25.52	PROBO	S 22 00 32.00	E 149 57 04.27	QLPWE	S 26 35 24.07	E 143 58 00.67
PMQNE	S 31 11 34.39	E 153 01 25.01	PROST	S 35 33 36.00	E 143 14 48.00	QLPWF	S 26 36 08.73	E 144 09 08.17
PMQNF	S 31 21 08.73	E 152 55 02.99	PTNND	S 14 24 45.88	E 132 10 22.10	QLPWG	S 26 30 57.03	E 144 02 03.19
PMQNG	S 31 17 48.61	E 153 04 50.82	PTNNE	S 14 19 10.40	E 132 11 47.40	QLPWH	S 26 36 43.84	E 144 18 02.28
PMQNH	S 31 29 50.97	E 152 56 12.29	PTNNF	S 14 26 44.56	E 132 18 33.68	QLPWI	S 26 35 46.51	E 144 03 34.40
PMQNI	S 31 16 47.67	E 152 57 56.72	PTNNG	S 14 18 33.71	E 132 17 39.86	QLPWM	S 26 36 30.74	E 144 14 41.98
PMQNM	S 31 25 29.79	E 152 52 09.12	PTNNH	S 14 32 47.87	E 132 23 58.90	QUAIL	S 11 52 45.17	E 130 15 34.68
PMQNT	S 31 28 06.39	E 152 50 24.67	PTNNI	S 14 22 57.48	E 132 15 10.51	QUIET	S 27 06 36.00	E 153 04 06.00
PMQSA	S 31 38 22.32	E 152 49 53.47	PTNNM	S 14 30 31.64	E 132 21 56.91	QUINS	S 31 37 30.00	E 115 25 54.00
PMQSB	S 31 38 01.34	E 152 43 46.84	PTNSA	S 14 37 48.93	E 132 34 54.59	QUORN	S 32 21 36.00	E 138 11 06.00
PMQSC	S 31 33 41.30	E 152 40 20.54	PTNSB	S 14 43 24.45	E 132 33 29.40	RACEV	S 20 30 30.82	E 141 15 22.12
PMQSF	S 31 31 03.71	E 152 48 26.29	PTNSC	S 14 44 01.19	E 132 27 36.29	RACHL	S 29 32 09.26	E 150 08 50.22
PMQSH	S 31 28 33.66	E 152 57 16.50	PTNSF	S 14 35 50.43	E 132 26 42.46	RADLA	S 34 58 52.29	E 138 47 05.48
PMQSI	S 31 34 32.64	E 152 46 06.58	PTNSH	S 14 29 47.18	E 132 21 17.10	RAFFS	S 31 39 41.00	E 115 37 37.00
PMQSM	S 31 26 42.74	E 152 51 20.48	PTNSI	S 14 39 37.44	E 132 30 05.90	RAFFY	S 21 15 20.00	E 119 35 44.00
PMQST	S 31 23 50.60	E 152 52 23.40	PTNSM	S 14 32 03.41	E 132 23 19.08	RAGER	S 12 23 53.21	E 132 16 06.33
PODEA	S 38 13 53.46	E 141 43 40.24	PUDIN	S 18 56 25.31	E 141 09 32.67	RAILS	S 18 52 17.60	E 116 30 04.84
PODEB	S 38 18 26.31	E 141 48 07.04	PUDUR	S 24 23 55.02	E 146 29 22.12	RAINY	S 16 42 00.00	E 145 32 06.00
PODEC	S 38 23 17.29	E 141 44 12.83	PUDUS	S 32 04 19.91	E 116 10 41.82	RAMON	S 27 13 54.00	E 153 00 00.00
PODEF	S 38 18 53.75	E 141 35 25.52	PUDYA	S 25 48 16.86	E 138 11 46.37	RAMSE	S 37 24 00.00	E 145 15 06.00
PODEH	S 38 19 15.54	E 141 25 16.24	PUGEL	S 19 49 38.99	E 156 13 28.06	RANGR	S 27 50 13.25	E 117 11 55.16
PODEI	S 38 18 40.03	E 141 41 46.29	PUGON	S 28 07 39.24	E 152 07 01.20	RANGU	S 31 53 02.84	E 115 30 33.12
PODEM	S 38 19 07.47	E 141 29 04.73	PUGUT	S 27 43 02.13	E 131 53 11.45	RAPLY	S 17 58 58.93	E 122 21 22.85
PODWD	S 38 24 23.82	E 141 12 49.31	PUKIN	S 12 34 19.61	E 131 08 19.85	RARIE	S 25 52 06.00	E 117 33 18.00
PODWE	S 38 19 49.94	E 141 08 22.69	PULOL	S 24 27 16.15	E 136 45 43.78	RARTI	S 20 29 59.99	E 134 37 49.21
PODWF	S 38 19 24.32	E 141 21 04.47	PUMIP	S 28 51 20.78	E 153 28 30.07	RASHI	S 38 14 11.82	E 147 25 19.06
PODWG	S 38 14 59.97	E 141 12 17.40	PUMPA	S 31 52 06.00	E 147 05 48.00	RASIN	S 34 52 33.00	E 150 49 25.20
PODWH	S 38 19 02.84	E 141 31 13.79	PUMRY	S 32 39 10.87	E 116 59 29.96	RASKY	S 20 50 47.10	E 123 12 24.12
PODWI	S 38 19 37.30	E 141 14 43.60	PUNEK	S 27 40 54.97	E 153 16 07.15	RAVEN	S 36 54 35.50	E 144 12 39.93
PODWM	S 38 19 11.00	E 141 27 25.31	PUPEB	S 14 23 17.19	E 146 14 34.22	RAVON	S 31 35 39.44	E 116 31 51.16
POGAV	S 23 30 00.00	E 116 00 18.69	PUPIT	S 12 00 00.00	E 115 09 02.38	RAYMO	S 31 41 51.00	E 115 52 58.20
POINT	S 37 55 42.00	E 144 45 18.00	PWRNA	S 30 55 40.98	E 136 44 48.59	RAYNA	S 34 38 12.13	E 138 36 22.32
POKEY	S 29 59 39.42	E 147 15 08.90	PWRNC	S 30 52 52.89	E 136 50 37.85	RAZZI	S 35 03 15.09	E 149 57 37.27
POKIP	S 29 02 18.00	E 114 01 18.00	PWRND	S 30 56 38.24	E 136 55 40.79	RCB05	S 35 08 09.85	E 149 22 37.36
POKOS	S 20 34 27.05	E 122 40 27.37	PWRNF	S 31 02 51.16	E 136 49 27.24	RCB06	S 35 12 05.10	E 149 09 07.35
POLEV	S 26 55 13.16	E 138 10 09.32	PWRNH	S 31 10 47.84	E 136 48 09.85	RCB26	S 35 14 56.07	E 149 13 44.52
POLLI	S 35 44 13.08	E 148 35 55.30	PWRNI	S 30 57 52.03	E 136 50 02.57	RCB41	S 35 20 58.22	E 149 08 36.65
POLSO	S 35 46 46.46	E 145 41 50.73	PWRNM	S 31 07 50.29	E 136 48 51.84	RCB51	S 35 30 22.33	E 149 05 18.11
POLUM	S 20 00 00.01	E 098 32 48.08	PXMND	S 10 15 06.41	E 105 35 41.59	RCB55	S 35 23 34.55	E 149 13 39.58
POLUX	S 31 11 45.00	E 115 33 06.60	PXMNE	S 10 11 25.68	E 105 40 10.23	RCB58	S 35 27 30.50	E 149 17 25.89
POMOT	S 29 18 42.00	E 116 31 24.00	PXMNF	S 10 21 26.44	E 105 40 59.93	RCB60	S 35 23 21.18	E 149 16 47.10
PONTI	S 15 48 01.15	E 121 29 58.16	PXMNG	S 10 14 20.16	E 105 45 11.55	RCB63	S 34 56 59.45	E 149 08 59.20
PONYS	S 31 56 45.64	E 116 32 48.66	PXMNH	S 10 29 27.04	E 105 41 39.73	RCB64	S 35 12 23.81	E 149 06 19.63
POODL	S 27 31 12.93	E 153 20 19.80	PXMNI	S 10 16 26.06	E 105 40 35.07	RCB66	S 35 11 03.95	E 149 18 11.26
POONA	S 21 29 48.88	E 149 17 01.75	PXMNM	S 10 26 26.81	E 105 41 24.80	RCB69	S 35 08 12.65	E 149 10 32.77
POPET	S 35 17 08.29	E 149 19 03.98	PXMSA	S 10 39 11.53	E 105 47 15.46	RCB72	S 35 04 06.55	E 149 22 09.17
POPLA	S 35 13 36.00	E 148 16 00.00	PXMSB	S 10 42 52.36	E 105 42 46.51	RCB76	S 35 24 05.51	E 149 06 20.90
PORKY	S 12 11 10.00	E 130 43 25.00	PXMSC	S 10 39 57.85	E 105 37 44.75	RCB81	S 35 15 57.50	E 149 14 35.85
PORTA	S 34 50 55.04	E 138 30 01.40	PXMSF	S 10 32 51.62	E 105 41 56.69	RCB82	S 35 12 09.11	E 149 10 16.30
PORTS	S 38 01 12.20	E 144 54 13.66	PXMSH	S 10 24 51.02	E 105 41 16.87	RCB83	S 35 09 12.54	E 149 17 59.89
POSOD	S 03 29 30.00	E 094 09 54.00	PXMSI	S 10 37 51.99	E 105 42 21.59	RCB85	S 35 21 53.50	E 149 09 13.29
POSOX	S 10 13 30.00	E 143 55 36.00	PXMSM	S 10 27 51.24	E 105 41 31.80	RCB88	S 35 26 35.46	E 149 30 07.94
POSTY	S 33 27 37.80	E 150 50 15.00	QDIND	S 31 21 35.31	E 150 17 35.36	RCB89	S 35 23 42.52	E 149 14 32.41
POSUM	S 31 05 53.34	E 156 47 00.47	QDINE	S 31 16 10.73	E 150 19 50.60	RCS41	S 17 03 20.78	E 145 44 08.03
POTIP	S 21 41 37.08	E 125 07 58.49	QDINF	S 31 24 20.86	E 150 26 35.89	RCS43	S 16 49 35.24	E 145 46 02.88
PPDND	S 20 16 46.59	E 118 24 59.67	QDING	S 31 16 08.52	E 150 26 31.89	RCS44	S 16 44 51.42	E 145 41 31.85
PPDNE	S 20 11 09.30	E 118 26 18.63	QDINH	S 31 31 41.77	E 150 32 41.68	RCS45	S 16 47 13.74	E 145 53 00.93
PPDNF	S 20 18 32.92	E 118 33 30.19	QDINI	S 31 20 15.80	E 150 23 13.08	RCS46	S 16 56 06.77	E 146 15 28.47
PPDNG	S 20 10 23.84	E 118 32 21.30	QDINM	S 31 29 14.83	E 150 30 39.65	RCS47	S 17 09 33.10	E 145 59 00.79
PPDNH	S 20 24 27.78	E 118 39 15.72	QDISA	S 31 36 15.23	E 150 44 52.33	RCS48	S 17 02 16.31	E 145 56 26.57
PPDNI	S 20 14 51.11	E 118 29 54.36	QDISB	S 31 41 49.07	E 150 43 11.58	RCS49	S 16 41 02.64	E 145 49 37.96
PPDNM	S 20 22 14.73	E 118 37 06.09	QDISC	S 31 42 22.09	E 150 36 30.22	RCS50	S 16 39 54.51	E 145 43 09.17
PPDSA	S 20 29 06.33	E 118 50 35.17	QDISF	S 31 34 11.97	E 150 35 35.35	RCS51	S 16 40 08.74	E 145 42 11.65
PPDSB	S 20 34 43.68	E 118 49 16.40	QDISH	S 31 28 05.95	E 150 29 31.20	RCS52	S 16 42 42.67	E 145 36 27.90
			QDISI	S 31 38 00.60	E 150 39 23.34	RCS53	S 16 45 35.21	E 145 40 57.55

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
RCS54	S 16 59 50.25	E 145 54 55.85	RML60	S 37 47 15.66	E 144 54 47.45	RUVTI	S 12 21 47.48	E 099 28 27.94
RCS55	S 17 04 38.49	E 145 43 27.78	RML62	S 37 48 21.72	E 144 45 25.87	RUVUS	S 36 12 38.58	E 139 31 07.97
RCS56	S 17 04 35.03	E 145 43 19.81	RML63	S 37 31 21.01	E 144 54 59.29	RYB14	S 27 27 20.35	E 153 09 56.90
RCS57	S 17 05 41.31	E 145 56 39.48	ROBBI	S 15 50 36.12	E 125 08 41.97	RYB18	S 27 22 21.31	E 153 11 54.88
RECKS	S 31 37 54.52	E 115 28 58.59	ROBET	S 35 45 23.13	E 142 30 58.47	RYB19	S 27 15 24.11	E 153 05 52.50
REDDO	S 13 04 31.22	E 131 04 02.89	ROBIN	S 12 50 46.75	E 131 26 04.93	RYB20	S 27 24 30.28	E 153 03 55.88
REDEL	S 35 07 21.87	E 122 18 32.91	ROCEL	S 37 45 17.20	E 145 01 09.83	RYB21	S 27 24 51.26	E 153 04 29.54
REDIL	S 31 52 22.40	E 116 05 28.94	RODES	S 41 38 18.77	E 147 10 10.78	RYB25	S 27 28 13.70	E 153 14 23.68
REEFE	S 11 00 00.00	E 143 15 30.00	ROESA	S 38 00 00.67	E 147 19 17.88	RYB26	S 27 20 52.18	E 153 19 48.40
REEKN	S 27 21 04.57	E 153 14 57.96	ROGAS	S 34 49 54.73	E 136 00 00.00	RYB28	S 27 30 02.16	E 153 08 45.78
REEZA	S 28 56 51.56	E 167 42 56.39	ROGGS	S 35 03 40.90	E 138 54 20.68	RYB29	S 27 28 52.23	E 153 12 52.14
REKSO	S 15 00 00.00	E 115 08 19.27	ROGUE	S 34 35 48.16	E 138 05 26.58	RYB30	S 27 14 49.65	E 153 03 08.52
RELAY	S 31 46 35.00	E 115 58 37.00	ROHAN	S 39 14 26.74	E 144 09 46.35	SABEK	S 02 08 32.89	E 077 53 37.29
REMBO	S 24 27 21.89	E 117 18 45.66	ROKDL	S 37 35 28.30	E 144 49 22.36	SADEL	S 25 02 24.00	E 134 23 00.00
RENED	S 34 03 56.26	E 140 52 59.25	ROKUU	S 28 11 03.31	E 149 40 07.64	SADLO	S 32 47 16.97	E 150 57 49.52
RENEE	S 34 07 32.88	E 140 58 20.91	ROLEY	S 32 07 30.00	E 116 03 36.00	SADOL	S 32 08 57.83	E 115 45 46.98
RENEF	S 34 10 18.90	E 140 46 46.09	ROLFE	S 17 13 00.08	E 146 09 53.55	SADUD	S 13 33 28.84	E 106 57 34.29
RENEG	S 34 12 59.34	E 140 56 05.85	ROLOB	S 31 47 34.62	E 116 14 54.16	SAFIR	S 19 22 00.00	E 120 34 30.00
RENEH	S 34 12 30.93	E 140 37 29.69	ROMND	S 26 19 32.46	E 148 44 11.26	SAGNO	S 21 58 32.35	E 114 58 30.80
RENEI	S 34 08 56.03	E 140 52 33.59	ROMNE	S 26 17 15.51	E 148 50 02.73	SAILA	S 28 06 31.00	E 153 35 47.00
RENEM	S 34 11 41.50	E 140 40 58.40	ROMNF	S 26 27 04.92	E 148 47 48.48	SAILS	S 31 48 40.35	E 115 16 20.10
RENER	S 37 42 19.92	E 144 43 47.86	ROMNG	S 26 21 26.11	E 148 54 25.96	SAKEG	S 08 10 16.75	E 085 20 03.60
RENWA	S 34 19 49.90	E 140 27 13.73	ROMNH	S 26 34 56.48	E 148 46 00.82	SAKTO	S 18 59 43.93	E 116 40 23.14
RENWB	S 34 16 11.87	E 140 21 51.23	ROMNI	S 26 22 10.17	E 148 48 55.65	SALEM	S 41 52 36.00	E 146 17 36.00
RENWC	S 34 10 46.70	E 140 24 07.42	ROMNM	S 26 31 59.64	E 148 46 41.21	SALIS	S 34 45 43.15	E 138 37 40.40
RENWF	S 34 13 28.14	E 140 33 27.65	ROMPA	S 36 27 00.00	E 131 30 00.00	SALLY	S 37 26 12.00	E 144 55 00.00
RENWH	S 34 11 16.37	E 140 42 44.23	ROMSA	S 26 45 46.47	E 148 48 53.59	SALTY	S 34 47 48.64	E 138 23 12.79
RENWI	S 34 14 50.14	E 140 27 39.53	ROMSB	S 26 48 03.44	E 148 43 00.67	SAMMY	S 29 53 38.72	E 145 29 04.37
RENWM	S 34 12 05.87	E 140 39 15.57	ROMSC	S 26 43 52.53	E 148 38 36.76	SAMOT	S 28 59 24.30	E 167 50 46.29
REPAN	S 03 28 53.28	E 076 53 35.15	ROMSF	S 26 38 14.09	E 148 45 15.63	SAMSN	S 27 19 18.00	E 152 52 42.00
RERAB	S 43 00 00.00	E 075 00 00.00	ROMSH	S 26 30 22.53	E 148 47 03.38	SANAV	S 35 05 18.39	E 138 24 00.14
RERON	S 35 04 06.00	E 125 00 00.00	ROMSI	S 26 43 08.81	E 148 44 08.18	SANDI	S 26 17 25.98	E 151 49 00.59
RETAL	S 29 27 34.96	E 117 05 44.15	ROMSM	S 26 33 19.37	E 148 46 23.00	SANDR	S 37 33 06.00	E 145 00 36.00
RETEP	S 28 29 56.43	E 135 00 39.52	RONAN	S 31 52 15.72	E 116 35 07.14	SANDY	S 17 53 48.00	E 125 36 36.00
REVOP	S 30 33 12.54	E 116 37 54.40	ROOKI	S 10 56 49.72	E 139 12 16.32	SAPDA	S 12 00 00.00	E 111 25 36.00
RHINO	S 27 25 43.00	E 152 46 04.00	ROOKS	S 25 27 59.71	E 129 41 35.25	SAPED	S 31 21 07.31	E 141 00 25.66
RIDAL	S 37 29 39.18	E 144 43 42.85	ROONY	S 28 31 32.57	E 153 36 14.41	SAPIT	S 35 05 39.42	E 149 21 25.89
RIDGE	S 27 44 36.00	E 133 27 36.00	ROSMO	S 31 26 44.14	E 116 44 31.35	SARAH	S 26 55 30.00	E 135 10 12.00
RIDLE	S 35 45 18.00	E 128 00 00.00	ROTTO	S 13 12 18.78	E 125 14 33.73	SARAK	S 09 45 00.00	E 143 25 18.00
RIDMA	S 35 12 08.90	E 138 30 41.90	ROWAN	S 26 30 13.55	E 153 30 44.65	SARAP	S 32 55 06.80	E 163 00 00.00
RIGGA	S 31 57 28.34	E 115 31 30.24	ROWLO	S 26 08 48.29	E 150 54 51.35	SARIG	S 23 11 32.14	E 118 33 33.64
RIGMI	S 32 12 05.05	E 163 00 00.00	ROXEY	S 37 27 44.93	E 144 42 24.99	SARIK	S 22 00 32.42	E 141 45 45.49
RIKAB	S 34 44 02.38	E 137 39 02.68	ROYAL	S 35 27 47.19	E 149 09 47.15	SARMO	S 21 41 50.71	E 121 02 21.24
RIKUS	S 38 01 32.00	E 146 53 43.00	RTIEA	S 31 56 39.98	E 115 42 58.68	SARRE	S 12 28 56.67	E 131 05 00.35
RILEY	S 33 56 36.00	E 149 26 30.00	RTIEB	S 32 00 26.56	E 115 44 52.22	SASRO	S 38 34 50.80	E 163 00 00.00
RILLA	S 29 31 54.00	E 122 00 54.00	RTIEC	S 32 04 11.97	E 115 42 55.44	SATBO	S 37 40 12.13	E 144 58 59.31
RIPMA	S 25 36 58.51	E 118 43 51.62	RTIEF	S 32 00 24.02	E 115 36 38.28	SATCO	S 19 27 48.00	E 146 40 06.00
RIPNA	S 14 00 00.00	E 158 25 00.00	RTIEH	S 32 00 21.30	E 115 28 24.36	SATNA	S 11 04 12.00	E 124 34 12.00
RISMI	S 07 07 55.24	E 087 20 05.65	RTIEI	S 32 00 25.46	E 115 41 20.53	SATNU	S 30 07 36.00	E 154 05 08.00
RISOL	S 34 13 11.13	E 151 12 57.28	RTIEM	S 32 00 22.92	E 115 33 06.60	SAVAN	S 19 24 12.00	E 141 41 00.00
RISON	S 27 52 08.00	E 152 52 43.00	RTIWD	S 32 04 59.74	E 115 18 09.08	SAVER	S 27 31 10.72	E 154 03 35.69
RIVET	S 34 16 50.70	E 150 25 49.10	RTIWE	S 32 00 15.48	E 115 14 19.82	SBKWA	S 34 02 19.00	E 150 41 30.00
RMDEA	S 20 39 16.84	E 143 20 38.85	RTIWF	S 32 00 20.46	E 115 26 05.41	SBKWB	S 33 49 12.79	E 150 48 22.94
RMDEB	S 20 44 26.05	E 143 23 21.81	RTIWG	S 31 55 34.75	E 115 18 14.79	SBKWF	S 33 53 05.28	E 150 54 30.52
RMDEC	S 20 48 36.26	E 143 19 08.21	RTIWH	S 32 03 04.56	E 115 28 51.26	SBKWH	S 33 51 03.57	E 150 57 29.75
RMDEF	S 20 42 55.84	E 143 12 48.92	RTIWI	S 32 00 18.11	E 115 20 12.61	SBKWI	S 33 51 26.63	E 150 50 47.75
RMDEH	S 20 41 43.20	E 143 04 22.77	RTIWM	S 32 00 22.55	E 115 31 58.21	SBKWM	S 33 54 43.81	E 150 58 13.42
RMDEI	S 20 43 41.02	E 143 18 05.34	RUDEY	S 27 23 09.33	E 152 23 26.71	SBYSA	S 20 33 36.57	E 116 43 38.89
RMDEM	S 20 42 10.49	E 143 07 32.56	RUDIE	S 35 01 47.88	E 138 14 14.87	SBYSB	S 20 32 43.58	E 116 35 23.17
RMDWD	S 20 44 51.01	E 142 53 00.15	RUFLE	S 37 01 54.00	E 135 00 00.00	SBYSC	S 20 30 35.90	E 116 34 27.11
RMDWE	S 20 39 41.02	E 142 50 17.59	RUGBO	S 29 20 49.12	E 116 56 55.98	SBYSF	S 20 28 38.86	E 116 39 43.09
RMDWF	S 20 41 12.57	E 143 00 50.03	RUGGA	S 17 11 54.00	E 137 53 06.00	SBYSI	S 20 30 35.91	E 116 37 38.87
RMDWG	S 20 35 31.63	E 142 54 31.03	RUMIE	S 36 19 47.34	E 147 43 42.53	SBYSM	S 20 24 49.26	E 116 43 46.68
RMDWH	S 20 42 25.35	E 143 09 16.14	RUMIX	S 27 07 37.00	E 163 00 00.00	SCAPA	S 34 13 39.96	E 148 14 43.94
RMDWI	S 20 40 26.88	E 142 55 33.78	RUNDA	S 34 56 36.00	E 146 23 24.00	SCARP	S 32 09 48.00	E 116 03 00.00
RMDWM	S 20 41 58.11	E 143 06 06.33	RUNNA	S 33 15 51.57	E 150 47 17.49	SCARR	S 27 41 44.59	E 123 39 43.29
RML50	S 37 42 27.84	E 144 42 35.87	RUNOD	S 36 09 24.60	E 163 00 00.00	SCATZ	S 32 39 18.00	E 150 15 18.00
RML51	S 37 36 37.84	E 144 43 08.67	RUNUT	S 13 49 37.26	E 091 22 49.95	SCBEA	S 35 22 18.94	E 149 29 56.37
RML52	S 37 35 12.54	E 144 59 26.30	RUSAD	S 30 49 09.79	E 133 40 23.25	SCBEB	S 35 30 19.88	E 149 29 08.11
RML54	S 37 37 26.36	E 144 58 21.57	RUSSL	S 34 18 50.54	E 139 10 58.57	SCBEC	S 35 32 26.85	E 149 19 38.64
RML55	S 37 37 42.34	E 144 59 12.81	RUSSO	S 19 58 58.77	E 143 11 25.01	SCBEF	S 35 22 38.73	E 149 17 50.65
RML56	S 37 45 18.02	E 145 01 17.16	RUTRS	S 18 10 40.30	E 122 29 36.14	SCBEH	S 35 24 05.63	E 149 09 36.93
RML57	S 37 44 11.29	E 144 41 14.97	RUVAP	S 18 13 20.47	E 138 52 57.35	SCBEI	S 35 25 51.00	E 149 22 32.66
RML59	S 37 47 59.28	E 144 48 37.34	RUVEL	S 35 31 09.89	E 149 09 16.98	SCBEM	S 35 18 47.76	E 149 12 12.72

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
SCBSD	S 35 31 57.41	E 149 18 34.53	SGEWM	S 28 02 40.55	E 148 35 04.14	SNOWY	S 36 32 06.00	E 147 50 42.00
SCBSE	S 35 35 24.81	E 149 11 40.05	SHABY	S 22 41 07.02	E 150 50 11.28	SOAPY	S 37 11 57.60	E 144 35 48.05
SCBSF	S 35 24 53.83	E 149 11 40.02	SHADY	S 26 47 53.97	E 120 57 30.28	SOCAR	S 13 13 17.30	E 133 19 56.88
SCBSG	S 35 31 57.43	E 149 04 45.55	SHANA	S 12 36 44.99	E 130 15 05.22	SOFAL	S 33 00 06.00	E 149 46 24.00
SCBSH	S 35 13 03.45	E 149 13 35.30	SHANO	S 27 28 24.44	E 152 23 59.54	SOFIE	S 39 19 01.21	E 144 35 34.88
SCBSI	S 35 29 54.30	E 149 11 40.04	SHARK	S 34 04 55.64	E 152 33 55.84	SOKAL	S 31 59 55.72	E 116 06 09.77
SCBSM	S 35 19 53.36	E 149 11 40.01	SHAWN	S 23 44 23.71	E 134 03 51.86	SOLIH	S 02 48 44.00	E 077 23 37.00
SCHEE	S 22 59 06.17	E 128 52 06.23	SHAZA	S 33 39 39.74	E 152 00 54.31	SOLIT	S 23 55 00.00	E 075 00 00.00
SCNWA	S 34 12 35.84	E 150 30 56.95	SHEED	S 37 43 50.88	E 144 54 52.78	SOLLI	S 20 29 58.26	E 131 15 45.25
SCNWB	S 34 10 10.38	E 150 24 40.96	SHEPO	S 12 06 38.19	E 130 18 14.72	SOLUS	S 32 28 54.07	E 116 16 41.32
SCNWC	S 34 04 27.03	E 150 25 17.00	SHEPP	S 10 35 58.00	E 129 09 20.00	SOMEL	S 37 42 50.27	E 144 32 58.58
SCNWF	S 34 05 09.41	E 150 35 06.37	SHERI	S 11 58 10.69	E 130 24 20.37	SONIA	S 34 04 13.32	E 151 13 11.00
SCNWH	S 34 11 09.73	E 150 37 59.46	SHILL	S 34 46 18.00	E 150 44 46.80	SOOTY	S 27 24 30.60	E 152 36 44.40
SCNWI	S 34 07 40.01	E 150 29 53.81	SHINN	S 19 10 42.00	E 140 17 18.00	SOPAT	S 16 16 34.41	E 113 00 29.39
SCNWM	S 34 02 38.75	E 150 40 18.21	SHNAB	S 27 24 45.60	E 152 36 03.00	SORCE	S 30 27 16.62	E 147 35 28.66
SCOEA	S 32 08 38.03	E 151 07 04.63	SHORE	S 33 42 10.80	E 151 18 37.89	SORTI	S 31 49 15.46	E 151 52 45.01
SCOEB	S 32 14 20.59	E 151 06 18.26	SHTNA	S 36 12 40.27	E 145 20 34.77	SORTU	S 32 09 54.00	E 120 38 54.00
SCOEC	S 32 15 40.53	E 150 59 43.62	SHTNC	S 36 10 17.67	E 145 27 01.83	SOSIJ	S 34 10 20.21	E 151 14 05.21
SCOEF	S 32 07 01.52	E 150 56 36.86	SHTND	S 36 14 23.49	E 145 31 59.88	SOTGU	S 28 22 47.00	E 152 29 07.00
SCOEH	S 32 10 00.76	E 150 50 33.70	SHTNF	S 36 20 08.39	E 145 24 46.24	SPARK	S 28 54 15.35	E 153 40 41.76
SCOEI	S 32 11 01.12	E 151 01 53.83	SHTNH	S 36 25 35.89	E 145 15 48.45	SPARO	S 18 03 19.45	E 146 13 52.05
SCOEM	S 32 03 01.71	E 150 51 20.35	SHTNI	S 36 15 13.03	E 145 25 54.07	SPEAR	S 20 20 48.00	E 137 44 36.00
SCOTI	S 21 19 25.28	E 133 27 29.10	SHTNM	S 36 25 03.74	E 145 23 38.33	SPEER	S 27 36 17.14	E 131 55 30.48
SCOTT	S 27 52 06.00	E 153 48 00.00	SHTNT	S 36 28 00.95	E 145 22 57.52	SPENA	S 34 15 41.52	E 136 54 26.77
SCOUT	S 31 37 43.20	E 115 50 59.40	SHTPT	S 16 45 00.00	E 145 50 00.00	SPEWD	S 28 41 39.36	E 151 44 34.08
SCRNA	S 31 07 51.71	E 119 07 26.14	SHUTL	S 32 39 44.40	E 152 04 58.80	SPEWE	S 28 36 52.64	E 151 40 56.47
SCRNC	S 31 02 16.22	E 119 08 59.18	SHYNN	S 28 33 47.52	E 115 15 40.29	SPEWF	S 28 37 05.14	E 151 52 18.07
SCRND	S 31 01 36.50	E 119 15 37.07	SIDER	S 12 47 58.52	E 129 35 50.72	SPEWG	S 28 32 14.19	E 151 44 47.32
SCRNF	S 31 09 45.79	E 119 16 43.30	SIFRA	S 29 48 04.91	E 156 12 24.55	SPEWH	S 28 37 15.04	E 152 01 23.36
SCRNH	S 31 15 45.11	E 119 22 55.48	SIGUL	S 34 59 36.54	E 138 16 38.67	SPEWI	S 28 36 58.89	E 151 46 37.27
SCRNI	S 31 06 01.06	E 119 12 51.09	SIIEA	S 09 27 13.89	E 142 49 52.11	SPEWM	S 28 37 11.40	E 151 57 58.87
SCRNM	S 31 13 30.40	E 119 20 35.82	SIIEB	S 09 32 57.52	E 142 49 13.60	SPIDR	S 37 48 16.90	E 142 18 55.94
SCRUB	S 26 38 18.46	E 116 44 04.42	SIIEC	S 09 34 19.07	E 142 43 35.09	SPIES	S 23 53 38.18	E 133 42 28.44
SCUBY	S 16 05 42.00	E 129 54 12.00	SIIEF	S 09 26 19.19	E 142 41 37.86	SPITY	S 31 04 33.00	E 116 00 30.00
SCULN	S 35 03 38.34	E 148 53 26.61	SIIEH	S 09 26 56.34	E 142 37 02.18	SPLIZ	S 27 36 59.00	E 153 07 56.00
SDUEA	S 32 01 36.57	E 148 43 35.01	SIIEI	S 09 29 38.38	E 142 45 25.69	SPODD	S 38 49 27.54	E 141 47 45.17
SDUEB	S 32 03 26.58	E 148 49 58.77	SIIEM	S 09 22 59.96	E 142 37 50.10	SPOTA	S 34 04 31.41	E 137 44 36.69
SDUEC	S 32 09 11.35	E 148 50 08.88	SILVN	S 34 27 37.29	E 140 14 45.01	SPRIG	S 10 18 51.89	E 125 33 31.28
SDUEF	S 32 09 23.29	E 148 40 30.07	SIMAS	S 20 14 28.15	E 143 17 36.63	SPUDO	S 31 49 27.94	E 116 11 13.33
SDUEH	S 32 14 08.03	E 148 32 54.21	SIMMO	S 28 17 10.86	E 153 35 00.93	SQARE	S 31 57 15.36	E 115 39 39.81
SDUEI	S 32 06 25.02	E 148 45 14.57	SIMON	S 38 08 04.68	E 144 38 28.17	SRNNA	S 41 55 52.18	E 145 14 36.30
SDUEM	S 32 12 21.31	E 148 35 45.39	SIMOS	S 26 43 48.00	E 153 04 18.00	SRNNC	S 41 53 34.15	E 145 21 38.56
SDUWD	S 32 24 15.98	E 148 26 00.72	SINNK	S 27 12 39.17	E 153 13 40.03	SRNND	S 41 57 43.04	E 145 26 57.12
SDUWE	S 32 22 24.82	E 148 19 35.90	SIRUS	S 29 07 44.89	E 168 05 50.16	SRNNF	S 42 03 22.68	E 145 19 00.40
SDUWF	S 32 16 29.56	E 148 29 07.31	SISTA	S 30 57 11.42	E 119 09 46.77	SRNNH	S 42 12 12.30	E 145 16 37.35
SDUWG	S 32 16 39.97	E 148 19 27.61	SIZZL	S 34 06 53.80	E 151 13 11.19	SRNNI	S 41 58 28.42	E 145 20 19.58
SDUWH	S 32 11 44.91	E 148 36 43.46	SKIPA	S 26 54 23.46	E 126 22 07.08	SRNNM	S 42 08 16.92	E 145 17 41.01
SDUWI	S 32 19 27.28	E 148 24 21.76	SLASH	S 22 23 00.00	E 144 49 54.00	SSYEF	S 33 54 57.75	E 151 16 51.26
SDUWM	S 32 13 31.76	E 148 33 52.41	SLICK	S 35 27 55.56	E 149 25 36.82	SSYEH	S 33 57 05.11	E 151 07 51.85
SEALD	S 12 41 07.41	E 130 57 30.36	SLIVA	S 28 20 42.00	E 152 01 06.00	SSYEM	S 33 56 16.04	E 151 11 20.05
SEDAN	S 34 34 06.00	E 139 18 30.00	SLOAN	S 35 49 19.15	E 153 35 58.16	SSYNF	S 33 51 22.88	E 151 09 51.17
SEEKR	S 23 57 13.68	E 133 58 07.07	SLOOP	S 35 30 00.83	E 135 00 00.00	SSYNH	S 34 02 17.51	E 151 16 59.35
SEEMO	S 30 52 20.66	E 125 52 15.90	SMALL	S 28 11 45.82	E 153 31 33.15	SSYNI	S 33 49 25.39	E 151 09 20.67
SELVA	S 09 27 07.43	E 126 40 47.25	SMIEA	S 40 41 23.05	E 145 18 09.31	SSYNM	S 33 57 05.93	E 151 11 19.83
SEMAJ	S 28 40 36.00	E 153 53 42.00	SMIEB	S 40 44 36.92	E 145 24 22.46	SSYSF	S 34 04 56.30	E 151 13 22.41
SEMKU	S 31 56 36.27	E 115 40 16.83	SMIEC	S 40 50 11.17	E 145 22 30.33	SSYSH	S 33 53 50.83	E 151 16 32.60
SENNA	S 17 00 00.00	E 143 07 18.00	SMIEF	S 40 48 09.21	E 145 12 03.74	SSYSM	S 33 58 14.77	E 151 11 37.70
SERVE	S 12 35 27.32	E 131 07 04.04	SMIEH	S 40 50 58.09	E 145 02 11.82	SSYWF	S 33 57 42.40	E 151 05 13.22
SETER	S 24 42 53.28	E 154 16 06.95	SMIEI	S 40 46 23.23	E 145 18 13.26	SSYWH	S 33 55 48.40	E 151 13 17.18
SETGO	S 13 40 29.88	E 134 17 27.91	SMIEM	S 40 49 54.86	E 145 05 53.89	SSYWM	S 33 56 37.51	E 151 09 49.01
SEVSI	S 30 50 59.65	E 123 37 37.00	SMIFF	S 42 09 30.80	E 156 38 47.52	STAIR	S 22 41 28.91	E 147 58 53.01
SGEEA	S 28 05 16.78	E 148 50 30.05	SMOKA	S 26 52 32.74	E 152 37 55.76	STAKE	S 27 22 30.00	E 153 00 30.00
SGEEB	S 28 11 00.46	E 148 51 00.58	SNAPA	S 19 10 00.00	E 120 26 36.00	STANG	S 31 13 37.20	E 115 39 45.60
SGEEC	S 28 13 23.58	E 148 45 05.74	SNBSA	S 11 29 19.11	E 130 51 41.33	STANZ	S 35 07 11.30	E 138 30 02.22
SGEEF	S 28 05 55.15	E 148 41 15.76	SNBSB	S 11 35 03.75	E 130 51 14.35	STEEL	S 24 19 54.00	E 135 12 36.00
SGEEH	S 28 01 50.41	E 148 33 28.56	SNBSC	S 11 36 36.59	E 130 45 36.63	STEFF	S 35 56 17.39	E 142 18 15.01
SGEEI	S 28 08 27.89	E 148 46 08.05	SNBSF	S 11 28 41.02	E 130 43 22.31	STEVO	S 37 47 30.00	E 144 46 12.00
SGEEM	S 28 03 22.24	E 148 36 23.69	SNBSH	S 11 23 34.64	E 130 37 04.92	STHEA	S 41 26 54.05	E 148 32 49.00
SGEWD	S 28 00 45.10	E 148 20 58.96	SNBSI	S 11 31 52.42	E 130 47 18.29	STHEB	S 41 22 47.79	E 148 38 09.86
SGEWE	S 27 55 00.69	E 148 20 29.47	SNBSM	S 11 25 29.55	E 130 39 26.42	STHEC	S 41 17 37.73	E 148 34 53.05
SGEWF	S 28 00 07.43	E 148 30 12.35	SNELY	S 38 34 23.00	E 150 22 17.00	STHEF	S 41 21 09.57	E 148 25 03.73
SGEWG	S 27 52 38.44	E 148 26 22.95	SNICK	S 12 34 42.00	E 131 44 36.00	STHEH	S 41 16 23.18	E 148 23 06.00
SGEWH	S 28 04 12.34	E 148 37 59.32	SNOKL	S 12 25 25.63	E 130 38 50.00	STHEI	S 41 21 58.87	E 148 31 36.71
SGEWI	S 27 57 34.15	E 148 25 20.80	SNOOD	S 15 09 30.21	E 134 23 07.29	STHEM	S 41 20 19.91	E 148 18 30.91

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
STILE	S 33 11 54.00	E 121 50 36.00	SWLEF	S 37 06 20.80	E 142 50 09.06	TEANO	S 24 32 19.34	E 118 08 19.78
STIMP	S 28 06 30.00	E 153 34 39.00	SWLEG	S 37 13 25.45	E 142 55 19.85	TEBUR	S 23 28 28.44	E 163 00 00.00
STIRL	S 35 03 46.51	E 138 44 45.17	SWLEH	S 37 02 59.83	E 142 41 04.12	TEDDY	S 14 44 24.00	E 141 34 36.00
STOES	S 13 26 54.87	E 131 47 04.52	SWLEI	S 37 08 26.04	E 142 55 50.04	TEENA	S 37 47 06.00	E 144 27 00.00
STONE	S 38 00 36.00	E 143 06 48.00	SWLEM	S 37 04 15.28	E 142 44 28.38	TEENC	S 21 42 32.49	E 140 41 07.36
STORK	S 38 02 33.16	E 146 42 20.28	SWLWA	S 37 03 17.21	E 142 27 52.13	TEEND	S 21 37 05.86	E 140 43 07.88
STUIE	S 12 46 37.93	E 131 29 04.96	SWLWB	S 36 57 37.89	E 142 26 36.78	TEENE	S 21 36 59.86	E 140 49 17.32
STURT	S 28 43 26.68	E 117 57 49.39	SWLWC	S 36 54 44.93	E 142 32 48.14	TEENF	S 21 45 13.22	E 140 49 26.67
STWEA	S 31 09 47.01	E 151 05 11.68	SWLWF	S 37 01 50.42	E 142 37 56.52	TEENH	S 21 52 07.16	E 140 54 49.11
STWEB	S 31 15 28.43	E 151 04 17.37	SWLWH	S 37 05 11.63	E 142 47 01.19	TEENI	S 21 41 09.57	E 140 46 17.19
STWEC	S 31 16 41.27	E 150 57 44.50	SWLWI	S 36 59 44.29	E 142 32 16.50	TEENM	S 21 49 16.69	E 140 52 36.24
STWEF	S 31 08 39.93	E 150 55 43.98	SWLWM	S 37 03 56.26	E 142 43 36.85	TEEVE	S 32 00 30.00	E 116 04 24.00
STWEH	S 31 03 12.72	E 150 48 54.16	SYBIL	S 12 34 31.90	E 130 46 20.61	TEFEA	S 21 45 17.31	E 122 27 38.66
STWEI	S 31 12 04.25	E 151 00 00.52	SYDNF	S 33 50 44.80	E 151 08 59.75	TEFEB	S 21 51 02.00	E 122 28 01.84
STWEM	S 31 05 15.47	E 150 51 27.75	SYDNH	S 34 00 48.59	E 151 10 00.75	TEFEC	S 21 53 20.14	E 122 22 22.73
STWWD	S 30 59 32.37	E 150 36 17.27	SYDNM	S 33 55 48.40	E 151 10 18.40	TEFEF	S 21 45 47.98	E 122 18 51.67
STWWE	S 30 53 50.44	E 150 37 12.67	SYDSF	S 34 03 30.74	E 151 12 18.47	TEFEH	S 21 42 07.87	E 122 12 26.94
STWWF	S 31 00 40.15	E 150 45 43.44	SYDSH	S 33 53 24.70	E 151 08 05.58	TEFEI	S 21 48 25.05	E 122 23 26.67
STWWG	S 30 52 38.31	E 150 43 43.40	SYDSM	S 33 57 51.40	E 151 10 50.31	TEFEM	S 21 43 42.23	E 122 15 11.79
STWWH	S 31 06 07.51	E 150 52 32.93	SYNOT	S 42 13 12.00	E 146 53 48.00	TEFWD	S 21 40 21.50	E 121 59 42.85
STWWI	S 30 57 15.37	E 150 41 27.90	TABAL	S 28 15 15.19	E 159 10 18.52	TEFWE	S 21 34 36.74	E 121 59 20.82
STWWM	S 31 04 04.79	E 150 49 59.28	TABLO	S 36 58 01.55	E 151 59 04.55	TEFWF	S 21 39 51.84	E 122 08 29.58
SU012	S 26 33 42.96	E 153 06 11.99	TAGOD	S 39 54 30.00	E 135 00 00.00	TEFWG	S 21 32 19.38	E 122 04 59.57
SU035	S 26 31 22.82	E 153 09 32.27	TAITE	S 38 31 32.00	E 144 28 25.00	TEFWH	S 21 44 03.56	E 122 15 49.06
SU069	S 26 31 23.08	E 153 15 06.73	TALAG	S 35 06 52.74	E 149 12 15.48	TEFWI	S 21 37 14.35	E 122 03 55.11
SU073	S 26 34 28.32	E 153 09 32.01	TAMBO	S 37 27 36.00	E 147 49 36.00	TEFWM	S 21 42 29.20	E 122 13 04.20
SU134	S 26 38 39.76	E 153 08 58.33	TAMEA	S 25 52 22.22	E 150 07 42.19	TEKAN	S 12 00 00.00	E 150 43 30.00
SU139	S 26 42 16.86	E 153 12 40.75	TAMEB	S 25 58 06.22	E 150 07 10.70	TEKEP	S 30 29 24.00	E 163 00 00.00
SU157	S 26 42 16.67	E 153 08 58.05	TAMEC	S 25 59 36.98	E 150 01 02.23	TEKUP	S 38 15 24.00	E 130 00 00.00
SU192	S 26 37 46.76	E 153 05 04.28	TAMED	S 14 55 12.00	E 144 05 06.00	TEMAN	S 18 01 30.30	E 122 21 34.36
SUANN	S 18 14 35.56	E 129 59 51.32	TAMEF	S 25 51 41.41	E 149 58 39.06	TEMEF	S 34 22 40.21	E 147 36 12.99
SUBRY	S 17 01 54.00	E 146 07 52.00	TAMEH	S 25 46 33.50	E 149 51 50.13	TEMEH	S 34 26 26.92	E 147 27 41.37
SUBUM	S 37 48 42.00	E 135 00 00.00	TAMEI	S 25 54 53.82	E 150 02 54.82	TEMEI	S 34 20 18.22	E 147 41 32.36
SUDOS	S 37 49 13.91	E 144 51 58.28	TAMEM	S 25 48 29.01	E 149 54 23.41	TEMEK	S 34 15 20.78	E 147 40 40.61
SUGAB	S 28 46 29.03	E 119 13 12.20	TAMMI	S 34 06 07.59	E 150 49 41.26	TEMEL	S 34 17 56.00	E 147 46 51.43
SUKTU	S 29 05 06.78	E 151 04 46.26	TAMOD	S 33 16 06.00	E 118 28 18.00	TEMEM	S 34 25 01.97	E 147 30 53.31
SULLY	S 35 06 29.18	E 138 28 17.25	TAMWD	S 25 43 51.72	E 149 40 07.83	TEMEN	S 34 23 38.36	E 147 46 02.70
SULON	S 39 51 30.66	E 163 00 00.00	TAMWE	S 25 38 07.73	E 149 40 39.71	TEMNA	S 34 12 27.56	E 147 27 32.56
SUNIL	S 16 56 00.00	E 127 53 54.00	TAMWF	S 25 44 32.83	E 149 49 10.12	TEMNC	S 34 13 54.83	E 147 38 44.31
SUNIX	S 14 11 16.34	E 134 55 25.97	TAMWG	S 25 36 37.09	E 149 46 47.10	TEMND	S 34 09 55.96	E 147 33 45.14
SUNKI	S 38 18 42.00	E 075 00 00.00	TAMWH	S 25 49 40.85	E 149 55 58.84	TEMNF	S 34 19 49.78	E 147 31 53.32
SUNNY	S 16 36 06.00	E 145 46 30.00	TAMWI	S 25 41 20.29	E 149 44 54.86	TEMNH	S 34 28 44.21	E 147 30 12.46
SUNOB	S 40 02 52.00	E 148 47 42.00	TAMWM	S 25 47 45.38	E 149 53 25.50	TEMNI	S 34 14 52.87	E 147 32 49.26
SUPER	S 27 20 57.00	E 152 44 07.00	TANEM	S 15 31 08.03	E 110 07 12.18	TEMNM	S 34 24 46.69	E 147 30 57.33
SURFF	S 18 52 13.58	E 115 24 00.34	TANTA	S 35 52 50.43	E 148 31 54.25	TEMPL	S 37 52 33.67	E 144 29 41.43
SURGN	S 34 50 37.23	E 139 04 01.69	TANYA	S 19 33 36.00	E 138 58 00.00	TEMUG	S 35 04 05.86	E 138 25 05.55
SUZAN	S 34 07 52.03	E 151 14 08.45	TAPAX	S 36 18 18.00	E 125 00 00.00	TEMWE	S 34 26 55.53	E 147 14 32.58
SUZIE	S 38 04 06.00	E 145 12 24.00	TAPIO	S 32 57 53.25	E 152 04 16.86	TEMWF	S 34 27 54.70	E 147 24 22.82
SWAGY	S 24 00 00.00	E 110 00 00.00	TAPIT	S 22 42 35.51	E 119 19 55.00	TEMWG	S 34 32 37.74	E 147 13 42.37
SWAGZ	S 16 45 30.27	E 145 33 30.09	TARAK	S 20 45 45.42	E 112 03 06.60	TEMWH	S 34 24 08.18	E 147 32 54.70
SWALO	S 17 47 12.45	E 146 49 39.25	TARAL	S 34 30 06.60	E 149 56 00.50	TEMWI	S 34 30 16.22	E 147 19 02.67
SWANN	S 32 00 45.41	E 115 49 11.02	TARES	S 22 41 06.30	E 149 58 26.28	TEMWJ	S 34 35 13.71	E 147 19 54.00
SWATT	S 12 25 41.17	E 130 38 03.24	TAREX	S 37 18 21.46	E 145 54 51.10	TEMWM	S 34 25 33.18	E 147 29 42.82
SWEED	S 26 13 30.95	E 138 23 23.65	TAROR	S 31 00 00.00	E 142 48 44.47	TENCH	S 14 53 46.62	E 148 03 41.82
SWELL	S 36 08 02.46	E 139 39 04.10	TARUN	S 12 00 00.00	E 116 55 04.36	TEPPA	S 12 15 18.80	E 130 41 40.74
SWENI	S 20 48 09.86	E 116 52 55.49	TASEG	S 32 11 35.42	E 144 10 47.39	TERID	S 34 57 05.89	E 149 15 40.73
SWESS	S 32 06 24.00	E 115 45 36.00	TASHA	S 20 06 44.12	E 140 23 51.66	TERIK	S 24 37 54.00	E 145 03 54.00
SWETI	S 12 35 55.37	E 130 42 03.69	TASMA	S 39 59 59.00	E 146 04 22.00	TEROS	S 05 29 16.00	E 075 23 12.00
SWGEF	S 35 07 06.34	E 147 34 18.90	TATAP	S 10 45 39.54	E 133 15 20.64	TERRA	S 28 14 24.00	E 153 33 12.00
SWGEH	S 35 10 51.37	E 147 25 41.63	TATOD	S 10 59 06.00	E 102 58 42.00	TESAS	S 33 20 50.59	E 159 49 32.47
SWGEM	S 35 09 27.06	E 147 28 55.70	TATUK	S 19 25 45.61	E 126 38 46.70	TESSI	S 29 27 03.66	E 152 18 45.20
SWGWF	S 35 12 29.49	E 147 21 55.51	TATUL	S 24 00 00.00	E 115 23 14.05	TEXAN	S 19 00 42.00	E 137 29 24.00
SWGWH	S 35 08 44.69	E 147 30 33.09	TAVEV	S 24 15 36.05	E 143 26 33.20	TEZZA	S 27 04 27.39	E 152 12 58.89
SWGWM	S 35 10 09.06	E 147 27 19.09	TAXEG	S 29 13 23.06	E 151 14 13.19	TGMEA	S 28 05 47.58	E 144 01 43.01
SWHEA	S 35 17 59.62	E 143 47 13.14	TAXES	S 35 05 32.29	E 138 34 28.71	TGMEB	S 28 11 19.74	E 143 59 58.53
SWHEB	S 35 22 45.05	E 143 51 08.97	TAYER	S 16 17 44.65	E 117 21 42.29	TGMEC	S 28 11 46.16	E 143 53 29.91
SWHEC	S 35 27 24.24	E 143 47 02.06	TBBNA	S 34 11 40.49	E 135 55 27.23	TGMEF	S 28 03 34.94	E 143 52 47.68
SWHEF	S 35 22 35.49	E 143 38 55.33	TBBNC	S 34 06 59.83	E 135 59 28.06	TGMEH	S 27 57 22.83	E 143 47 03.74
SWHEH	S 35 22 27.69	E 143 29 08.43	TBBND	S 34 08 31.69	E 136 06 07.64	TGMEI	S 28 07 27.39	E 143 56 22.97
SWHEI	S 35 22 40.27	E 143 45 02.15	TBBNF	S 34 16 26.32	E 136 03 29.82	TGMEM	S 27 59 42.40	E 143 49 12.64
SWHEM	S 35 22 30.71	E 143 32 48.52	TBBNH	S 34 23 59.48	E 136 06 43.61	TGTWA	S 20 31 28.46	E 130 06 46.32
SWIFT	S 18 21 13.74	E 146 48 00.99	TBBNI	S 34 11 43.08	E 136 01 28.89	TGTWB	S 20 25 46.70	E 130 05 53.05
SWLED	S 37 04 52.12	E 143 00 13.35	TBBNM	S 34 21 09.56	E 136 05 30.87	TGTWC	S 20 23 02.57	E 130 11 15.44
SWLEE	S 37 10 30.99	E 143 01 31.32	TCART	S 17 54 52.29	E 122 05 55.81	TGTWF	S 20 30 16.53	E 130 15 24.35

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
TGTWH	S 20 33 52.02	E 130 23 01.79	TOCEB	S 35 50 57.62	E 145 55 03.87	TTINE	S 13 34 30.28	E 126 02 01.86
TGTWI	S 20 28 01.68	E 130 10 38.63	TOCEC	S 35 55 07.93	E 145 50 12.74	TTINF	S 13 41 17.17	E 126 06 26.26
TGTWM	S 20 32 31.25	E 130 20 10.21	TOCEF	S 35 49 29.20	E 145 42 53.95	TTING	S 13 34 42.65	E 126 06 44.25
THENA	S 28 13 22.07	E 142 00 21.52	TOCEH	S 35 48 17.59	E 145 33 10.34	TTINH	S 13 46 22.29	E 126 09 44.72
THOMO	S 19 41 29.40	E 145 14 25.92	TOCEI	S 35 50 13.57	E 145 48 58.85	TTINI	S 13 37 53.74	E 126 04 14.03
THRUM	S 40 30 01.65	E 144 52 51.23	TOCEM	S 35 48 44.54	E 145 36 49.16	TTINM	S 13 44 40.59	E 126 08 38.55
TIABB	S 12 39 32.62	E 130 46 00.94	TOCWD	S 35 51 26.93	E 145 20 15.88	TTISA	S 13 55 32.94	E 126 11 08.47
TIBAL	S 35 00 17.83	E 138 43 15.52	TOCWE	S 35 46 17.79	E 145 17 08.77	TTISB	S 13 55 45.13	E 126 15 51.29
TIBNA	S 29 16 43.45	E 142 05 19.71	TOCWF	S 35 47 48.81	E 145 29 17.72	TTISC	S 13 51 29.69	E 126 17 39.67
TIBNC	S 29 16 18.91	E 142 10 33.13	TOCWG	S 35 42 08.81	E 145 22 01.09	TTISF	S 13 48 58.42	E 126 11 26.35
TIBND	S 29 20 28.90	E 142 12 46.95	TOCWH	S 35 49 00.74	E 145 39 01.22	TTISH	S 13 43 53.33	E 126 08 07.81
TIBNF	S 29 23 16.17	E 142 05 59.59	TOCWI	S 35 47 03.46	E 145 23 13.19	TTISI	S 13 52 21.79	E 126 13 38.79
TIBNH	S 29 28 29.01	E 142 02 34.03	TOCWM	S 35 48 33.86	E 145 35 22.37	TTISM	S 13 45 35.03	E 126 09 13.98
TIBNI	S 29 19 47.56	E 142 08 16.44	TODDS	S 28 45 56.68	E 139 16 07.33	TUBBY	S 40 53 55.80	E 160 42 37.14
TIBNM	S 29 26 44.47	E 142 03 42.59	TODIK	S 27 53 46.41	E 117 41 35.82	TUCAB	S 29 28 48.00	E 153 16 06.00
TICAL	S 12 00 00.01	E 151 22 31.10	TOJAM	S 29 17 13.60	E 153 06 52.11	TUCKI	S 28 55 18.00	E 153 22 12.00
TIEGA	S 35 03 30.00	E 142 12 36.00	TOKIP	S 27 38 11.10	E 114 48 49.92	TUMAN	S 34 36 12.84	E 140 17 50.14
TIGGA	S 27 43 36.78	E 141 04 47.12	TOMAR	S 41 08 14.48	E 163 00 00.00	TUMBL	S 11 54 50.00	E 130 44 28.00
TILDA	S 38 14 00.04	E 161 53 57.53	TOMAS	S 13 26 10.37	E 130 00 47.01	TUNAA	S 35 15 00.00	E 133 40 00.00
TILLI	S 31 49 40.76	E 137 04 30.32	TONAR	S 37 50 36.76	E 144 51 10.22	TUNGO	S 41 31 12.00	E 141 00 00.00
TIMBO	S 32 10 23.46	E 151 27 41.58	TONIM	S 36 01 53.70	E 154 20 45.93	TUREK	S 23 13 48.59	E 118 05 52.25
TIMET	S 19 07 40.98	E 116 19 17.08	TONTO	S 34 17 33.66	E 150 38 41.93	TURET	S 19 57 06.00	E 123 40 48.00
TIMMI	S 21 55 20.94	E 130 39 34.36	TOODY	S 31 47 30.78	E 116 11 29.52	TURTS	S 12 20 30.08	E 130 39 52.00
TIMMY	S 32 07 06.00	E 115 54 48.00	TOOKI	S 33 16 03.41	E 151 33 48.67	TUSKY	S 20 45 57.16	E 121 41 32.45
TINAH	S 21 36 18.00	E 141 45 18.00	TOONA	S 28 54 21.18	E 155 22 14.75	TUTEN	S 37 24 32.59	E 145 10 42.68
TINDA	S 27 57 17.97	E 115 39 30.97	TOREX	S 07 24 00.00	E 133 35 30.00	TWIST	S 15 44 06.00	E 125 02 06.00
TINEN	S 12 40 08.87	E 130 56 16.28	TORIA	S 17 58 11.00	E 145 06 49.89	TWZEA	S 27 34 06.85	E 152 10 15.96
TINGL	S 27 33 31.32	E 153 12 39.41	TORRA	S 31 25 26.97	E 138 07 14.08	TWZEB	S 27 39 48.31	E 152 11 12.06
TIPAM	S 19 30 00.01	E 114 14 56.54	TOSAS	S 12 00 00.00	E 147 05 54.00	TWZEC	S 27 42 31.96	E 152 05 30.75
TMONA	S 21 40 49.34	E 139 43 35.36	TOTTY	S 17 14 24.00	E 145 38 36.00	TWZEF	S 27 35 17.89	E 152 01 08.63
TMONC	S 21 35 26.50	E 139 45 47.10	TOUDA	S 27 14 15.41	E 140 11 06.50	TWZEH	S 27 37 42.98	E 151 55 04.67
TMOND	S 21 35 31.68	E 139 51 56.18	TRAEF	S 29 11 03.63	E 124 39 20.26	TWZEI	S 27 37 33.19	E 152 06 10.24
TMONF	S 21 43 44.97	E 139 51 48.44	TRAEG	S 29 06 12.34	E 124 48 22.10	TWZEM	S 27 33 02.41	E 151 56 07.22
TMONH	S 21 50 23.58	E 139 56 38.01	TRAEH	S 29 10 51.33	E 124 52 13.32	TWZWD	S 27 30 42.55	E 151 39 14.07
TMONI	S 21 39 35.77	E 139 48 47.69	TRAEI	S 29 10 56.80	E 124 46 30.68	TWZWE	S 27 25 00.60	E 151 38 19.21
TMONM	S 21 47 54.12	E 139 54 49.37	TRAEJ	S 29 15 37.50	E 124 48 33.61	TWZWF	S 27 29 32.44	E 151 48 20.91
TMOSE	S 21 56 16.42	E 140 07 01.46	TRAEM	S 29 11 09.00	E 124 33 40.20	TWZWG	S 27 22 17.88	E 151 43 59.76
TMOSF	S 21 53 21.19	E 139 58 47.24	TRAIL	S 15 44 48.36	E 145 41 02.24	TWZWH	S 27 35 51.28	E 151 45 28.91
TMOSG	S 22 01 39.15	E 140 04 50.11	TRAVI	S 12 59 18.71	E 130 32 25.89	TWZWI	S 27 27 16.61	E 151 43 19.96
TMOSH	S 21 46 42.66	E 139 53 57.45	TRAWB	S 29 16 06.03	E 124 17 47.95	TWZWM	S 27 31 48.09	E 151 53 22.06
TMOSI	S 21 57 30.20	E 140 01 48.59	TRAWC	S 29 11 26.82	E 124 13 56.87	TWZWT	S 27 32 28.75	E 151 54 52.45
TMOSJ	S 22 01 34.25	E 139 58 39.57	TRAWD	S 29 06 40.87	E 124 17 36.79	TYERS	S 37 54 36.00	E 148 10 54.00
TMOSM	S 21 49 12.13	E 139 55 46.07	TRAWF	S 29 11 15.21	E 124 26 50.05	TYGON	S 34 02 02.75	E 148 16 23.37
TMUSA	S 35 30 28.72	E 148 08 47.92	TRAWI	S 29 11 21.65	E 124 19 39.57	UBLIN	S 27 49 41.08	E 163 00 00.00
TMUSB	S 35 34 25.04	E 148 11 41.72	TRAWM	S 29 11 10.20	E 124 32 22.80	UBNIS	S 08 16 18.00	E 080 00 00.00
TMUSC	S 35 33 32.17	E 148 17 12.95	TREBL	S 26 51 30.00	E 136 32 18.00	UGARU	S 37 32 05.19	E 144 48 46.26
TMUSF	S 35 27 05.74	E 148 15 40.55	TREES	S 32 00 00.00	E 110 00 00.00	UGAVI	S 23 25 15.22	E 124 58 22.31
TMUSI	S 35 30 45.39	E 148 13 41.19	TREST	S 34 53 00.00	E 144 25 18.00	UGENE	S 12 13 29.44	E 130 48 36.81
TMUSM	S 35 17 08.16	E 148 14 23.20	TREVR	S 37 46 41.19	E 147 15 17.17	UNDER	S 29 00 00.00	E 110 00 00.00
TMUST	S 35 09 00.47	E 148 08 28.63	TRIGG	S 31 52 56.49	E 115 41 07.99	UNDOW	S 31 49 44.93	E 116 24 14.47
TNGEA	S 24 28 58.95	E 150 49 13.18	TRIKI	S 26 52 19.50	E 153 21 12.99	UNTER	S 12 13 37.43	E 132 15 13.34
TNGEB	S 24 34 27.98	E 150 51 07.48	TRILL	S 18 26 14.90	E 122 16 59.16	UPKAN	S 37 30 03.41	E 144 48 23.62
TNGEC	S 24 37 58.73	E 150 46 08.38	TRINA	S 32 23 33.55	E 151 42 38.22	UPNOT	S 18 39 22.29	E 109 55 41.72
TNGEF	S 24 31 27.99	E 150 40 39.52	TROFE	S 29 25 51.57	E 120 00 00.00	UPOLO	S 16 41 53.19	E 145 56 57.86
TNGEH	S 24 29 03.48	E 150 32 17.50	TROND	S 31 41 39.49	E 152 36 15.15	UPSES	S 30 42 04.45	E 136 38 00.49
TNGEI	S 24 32 58.08	E 150 45 53.44	TRONE	S 31 43 04.31	E 152 42 53.09	URADA	S 34 58 04.66	E 138 46 52.97
TNGEM	S 24 29 57.71	E 150 35 25.71	TRONF	S 31 48 44.67	E 152 36 15.21	URAMU	S 26 45 50.45	E 120 27 08.21
TNGWD	S 24 29 32.08	E 150 20 12.27	TRONG	S 31 46 53.39	E 152 44 39.26	UTTOX	S 12 38 58.81	E 130 36 33.06
TNGWE	S 24 23 56.25	E 150 18 44.74	TRONH	S 31 49 36.26	E 152 27 18.37	UVUPU	S 33 50 32.10	E 142 32 56.61
TNGWF	S 24 27 37.36	E 150 28 56.23	TRONI	S 31 45 11.98	E 152 40 23.98	UXORA	S 25 59 59.99	E 109 13 43.67
TNGWG	S 24 20 46.03	E 150 23 59.31	TRONM	S 31 52 59.70	E 152 31 16.27	VALDA	S 25 57 42.00	E 144 34 00.00
TNGWH	S 24 30 33.75	E 150 37 05.85	TROTS	S 34 47 38.86	E 138 35 06.78	VALDZ	S 23 27 00.00	E 141 41 48.00
TNGWI	S 24 25 46.89	E 150 23 50.41	TROUB	S 35 05 10.06	E 138 09 20.28	VALES	S 37 21 52.33	E 145 20 56.99
TNGWM	S 24 29 27.65	E 150 34 02.20	TRUDY	S 16 05 42.00	E 143 15 42.00	VANDI	S 12 20 41.00	E 131 45 15.00
TNKWA	S 19 45 56.89	E 133 59 27.48	TRUKA	S 13 58 26.52	E 133 28 08.96	VAPSA	S 04 09 02.00	E 076 23 31.00
TNKWB	S 19 42 18.64	E 133 54 44.35	TRUMP	S 33 53 08.21	E 139 48 28.69	VARLY	S 33 54 37.62	E 153 20 26.46
TNKWC	S 19 36 52.55	E 133 56 43.93	TSTEA	S 14 09 32.12	E 126 35 47.90	VATGA	S 35 27 55.56	E 149 19 13.66
TNKWF	S 19 39 34.28	E 134 04 56.06	TSTEB	S 14 15 16.81	E 126 35 21.64	VAVGA	S 32 05 36.79	E 116 14 28.10
TNKWH	S 19 37 05.86	E 134 14 06.31	TSTEC	S 14 16 50.56	E 126 29 40.53	VEBKO	S 35 06 08.43	E 149 31 34.82
TNKWI	S 19 40 56.53	E 133 59 50.25	TSTEF	S 14 08 55.40	E 126 27 23.42	VEGAH	S 29 24 36.00	E 152 49 24.00
TNKWM	S 19 38 11.88	E 134 10 01.79	TSTEH	S 14 03 50.07	E 126 21 01.17	VELKU	S 37 04 20.97	E 158 30 00.23
TOBIE	S 14 51 58.07	E 127 38 57.70	TSTEI	S 14 12 06.14	E 126 31 22.48	VENEL	S 33 28 24.38	E 143 46 24.49
TOBOB	S 34 56 02.98	E 145 04 48.59	TSTEM	S 14 05 43.71	E 126 23 24.99	VENGA	S 21 22 45.96	E 115 12 59.89
TOCEA	S 35 45 49.39	E 145 51 54.53	TTIND	S 13 38 45.62	E 126 00 13.33	VEPAS	S 34 24 46.83	E 163 00 00.00

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
VERIS	S 17 16 11.30	E 105 00 00.00	WBRSH	S 26 05 15.85	E 126 35 10.21	WHITI	S 29 10 20.44	E 152 45 15.99
VERRY	S 27 13 02.13	E 153 13 28.91	WBRSI	S 26 18 16.14	E 126 34 07.76	WHOOL	S 27 20 53.51	E 120 00 00.00
VESUN	S 24 58 47.47	E 163 00 00.00	WBRSM	S 26 08 15.92	E 126 34 55.82	WICKA	S 28 15 18.00	E 151 57 42.00
VETAL	S 38 25 15.30	E 135 00 00.00	WCKEA	S 28 06 13.22	E 152 11 15.56	WILAM	S 28 11 10.60	E 120 00 00.00
VETEL	S 21 23 36.00	E 116 25 42.00	WCKEB	S 28 11 22.86	E 152 14 07.39	WILDE	S 37 32 58.31	E 144 41 04.11
VETIS	S 27 34 13.83	E 153 11 02.40	WCKEC	S 28 15 31.85	E 152 09 37.66	WILLS	S 25 23 48.00	E 137 59 00.00
VIBUX	S 37 10 12.00	E 130 00 00.00	WCKEF	S 28 09 50.62	E 152 02 56.49	WILLY	S 32 47 00.00	E 145 53 42.00
VICKI	S 35 06 55.01	E 149 12 54.71	WCKEH	S 28 08 36.72	E 151 53 59.90	WILTO	S 25 30 26.96	E 118 17 45.05
VICTA	S 26 28 23.26	E 149 04 33.17	WCKEI	S 28 10 36.74	E 152 08 31.92	WINAL	S 24 41 45.64	E 131 22 24.04
VIENE	S 21 06 04.21	E 149 22 11.51	WCKEM	S 28 09 04.50	E 151 57 21.10	WINCH	S 34 30 53.17	E 136 46 53.38
VIENF	S 21 11 14.27	E 149 24 52.63	WDHND	S 25 13 04.81	E 142 47 17.38	WINDA	S 27 46 13.21	E 120 00 00.00
VIENG	S 21 05 01.97	E 149 24 23.06	WDHNE	S 25 14 35.36	E 142 53 23.32	WINKY	S 27 16 57.77	E 152 39 26.60
VIENI	S 21 08 02.12	E 149 24 37.36	WDHNF	S 25 21 00.64	E 142 44 54.70	WIRAL	S 27 46 30.66	E 118 27 35.06
VIENJ	S 21 05 45.23	E 149 26 42.99	WDHNG	S 25 20 19.62	E 142 53 55.15	WIRMA	S 31 22 00.00	E 136 19 42.00
VIENM	S 21 15 17.21	E 149 25 11.90	WDHNH	S 25 26 08.50	E 142 38 07.17	WISKA	S 19 34 31.57	E 145 12 30.47
VIGUT	S 29 29 38.58	E 150 49 12.59	WDHNI	S 25 17 48.06	E 142 49 09.12	WIZZA	S 27 40 23.43	E 153 02 54.92
VILLA	S 28 29 24.00	E 152 32 12.00	WDHNM	S 25 24 13.09	E 142 40 40.06	WJLEA	S 15 49 24.49	E 145 29 42.86
VILOD	S 30 45 41.23	E 117 02 21.39	WDHSA	S 25 36 10.13	E 142 32 56.75	WJLEB	S 15 53 37.09	E 145 29 02.31
VILOL	S 25 57 51.09	E 144 45 50.94	WDHSB	S 25 34 38.98	E 142 26 49.31	WJLEF	S 15 52 57.79	E 145 24 41.32
VIMAB	S 31 30 54.79	E 145 21 31.46	WDHSC	S 25 28 55.18	E 142 26 18.33	WJLEH	S 15 56 12.18	E 145 24 53.76
VINAX	S 21 35 17.70	E 137 53 32.90	WDHSF	S 25 28 14.73	E 142 35 19.82	WJLEI	S 15 51 11.15	E 145 27 12.11
VINCN	S 34 56 44.21	E 138 21 38.00	WDHSH	S 25 23 06.97	E 142 42 07.57	WJLEM	S 15 54 44.39	E 145 22 10.48
VIOLA	S 37 05 47.34	E 145 03 01.57	WDHSI	S 25 31 26.91	E 142 31 04.68	WKBEA	S 36 13 44.00	E 142 40 04.08
VIPAM	S 12 00 00.01	E 148 01 13.70	WDHSM	S 25 25 02.42	E 142 39 34.73	WKBEB	S 36 18 11.59	E 142 44 32.27
VIPEG	S 35 07 04.23	E 149 03 54.49	WEAVA	S 32 17 06.00	E 148 08 48.00	WKBEC	S 36 23 07.20	E 142 40 53.31
VIPOX	S 20 05 00.92	E 126 12 52.16	WEBBA	S 21 53 42.00	E 117 13 48.00	WKBEF	S 36 18 54.09	E 142 32 11.77
VIRGE	S 27 13 12.00	E 154 44 29.00	WEEDA	S 27 54 55.29	E 117 51 23.24	WKBEH	S 36 19 27.94	E 142 22 19.27
VIRUV	S 28 57 06.83	E 134 33 27.29	WEENA	S 12 00 00.01	E 150 18 01.08	WKBEI	S 36 18 32.84	E 142 38 22.03
VITAA	S 35 02 57.00	E 138 08 15.00	WEIRD	S 38 11 30.60	E 147 19 57.60	WKBEM	S 36 19 15.34	E 142 26 01.48
VIWNA	S 21 04 44.71	E 149 18 16.24	WELES	S 12 27 19.06	E 131 00 10.49	WKSWA	S 66 45 06.99	E 110 58 53.48
VIWNC	S 21 03 42.52	E 149 20 27.81	WELKE	S 21 37 52.76	E 149 36 14.08	WKSWB	S 66 40 10.28	E 110 51 38.44
VIWND	S 21 04 25.84	E 149 22 47.70	WELLI	S 27 30 00.00	E 153 15 06.00	WKSWC	S 66 35 46.94	E 111 00 52.19
VIWNF	S 21 09 54.85	E 149 20 57.20	WELLS	S 25 00 00.00	E 120 53 51.78	WKSWF	S 66 40 59.67	E 111 16 42.34
VIWNI	S 21 06 42.68	E 149 20 42.03	WELSH	S 34 08 05.82	E 150 18 29.75	WKSWH	S 66 41 36.29	E 111 36 46.44
VIWNM	S 21 17 45.80	E 149 21 34.41	WENDY	S 37 50 24.00	E 143 58 42.00	WKSWI	S 66 40 35.47	E 111 04 10.18
VIYYA	S 02 00 00.00	E 083 00 00.00	WENER	S 26 15 49.80	E 128 56 45.10	WKSWM	S 66 41 22.87	E 111 29 14.90
VOMPA	S 19 48 25.28	E 146 54 18.10	WESTI	S 31 55 20.92	E 115 42 21.56	WKZWA	S 66 45 08.74	E 110 58 52.62
VONDO	S 28 18 06.40	E 152 23 46.81	WESTY	S 19 11 30.00	E 147 01 00.00	WKZWB	S 66 40 12.49	E 110 51 36.21
VONNI	S 33 12 55.59	E 151 24 20.07	WGAED	S 34 59 55.42	E 147 38 33.52	WKZWC	S 66 35 48.81	E 111 00 48.41
VOSSI	S 33 36 26.40	E 150 47 55.80	WGAEE	S 35 02 31.78	E 147 44 46.94	WKZWF	S 66 41 00.67	E 111 16 39.79
WACKO	S 27 11 17.25	E 152 45 11.10	WGAEF	S 35 07 13.93	E 147 34 01.46	WKZWH	S 66 41 36.35	E 111 36 43.78
WAGOO	S 28 08 53.49	E 118 45 25.50	WGAEG	S 35 08 13.95	E 147 43 56.19	WKZWI	S 66 40 37.07	E 111 04 07.80
WAHAN	S 27 24 27.13	E 153 26 53.24	WGAEH	S 35 10 58.96	E 147 25 24.18	WKZWM	S 66 41 23.27	E 111 29 12.17
WAKEN	S 34 08 05.96	E 138 14 30.53	WGAEI	S 35 04 52.98	E 147 39 24.35	WLGED	S 29 51 25.75	E 148 16 48.76
WALLI	S 29 27 30.58	E 120 29 25.18	WGAEM	S 35 09 34.58	E 147 28 38.32	WLGEE	S 29 53 40.80	E 148 22 52.58
WALTA	S 19 41 26.16	E 147 35 26.33	WGAWA	S 35 19 39.79	E 147 17 38.76	WLGEF	S 29 58 59.12	E 148 13 06.65
WALTZ	S 35 46 50.95	E 158 04 55.35	WGAWB	S 35 17 02.03	E 147 11 24.90	WLGEG	S 29 59 25.64	E 148 22 31.51
WANGI	S 13 07 47.57	E 130 26 57.06	WGAWC	S 35 11 20.11	E 147 12 18.01	WLGEH	S 30 03 13.26	E 148 05 17.16
WAREN	S 38 01 00.00	E 145 18 42.00	WGAWF	S 35 12 21.90	E 147 22 12.98	WLGEI	S 29 56 20.05	E 148 17 59.75
WARMN	S 16 59 48.00	E 128 11 36.00	WGAWH	S 35 08 37.10	E 147 30 50.55	WLGEM	S 30 01 38.01	E 148 08 13.30
WARRA	S 24 49 57.93	E 114 19 43.54	WGAWI	S 35 14 42.09	E 147 16 49.09	WLMED	S 32 52 09.83	E 152 04 53.74
WARTY	S 33 54 23.26	E 154 06 55.61	WGAWM	S 35 10 01.44	E 147 27 36.49	WLMEE	S 32 57 53.25	E 152 04 16.90
WATLE	S 33 55 18.00	E 150 25 12.00	WGTNA	S 36 11 56.97	E 146 14 57.41	WLMEF	S 32 51 25.09	E 151 55 12.64
WAVES	S 31 52 14.98	E 115 31 42.14	WGTNC	S 36 09 21.89	E 146 21 17.02	WLMEG	S 32 59 21.31	E 151 57 41.36
WAYNS	S 31 46 50.23	E 116 30 49.72	WGTNF	S 36 19 16.55	E 146 19 30.86	WLMEH	S 32 46 14.09	E 151 47 58.18
WAZZA	S 36 47 56.90	E 146 37 47.10	WGTNH	S 36 24 03.95	E 146 23 34.85	WLMEI	S 32 54 39.25	E 151 59 44.60
WBLEA	S 38 23 42.27	E 142 41 44.74	WGTNI	S 36 14 19.22	E 146 20 23.97	WLMEM	S 32 48 10.76	E 151 50 41.01
WBLEB	S 38 29 18.00	E 142 40 06.50	WGTNM	S 36 24 13.87	E 146 18 37.69	WLMWA	S 32 43 18.75	E 151 35 18.26
WBLEC	S 38 29 59.94	E 142 32 51.41	WHALE	S 33 59 05.64	E 151 34 41.45	WLMWB	S 32 37 35.46	E 151 35 56.86
WBLEF	S 38 21 51.70	E 142 31 35.52	WHANA	S 32 52 08.13	E 137 23 03.46	WLMWC	S 32 36 08.54	E 151 42 31.15
WBLEH	S 38 15 54.59	E 142 24 47.47	WHANC	S 32 48 01.37	E 137 27 48.92	WLMWF	S 32 44 05.03	E 151 44 58.31
WBLEI	S 38 25 34.85	E 142 35 50.90	WHAND	S 32 50 23.09	E 137 34 01.10	WLMWH	S 32 49 16.21	E 151 52 12.42
WBLEM	S 38 18 08.55	E 142 27 20.36	WHANF	S 32 57 52.10	E 137 30 01.19	WLMWI	S 32 40 50.33	E 151 40 27.42
WBRND	S 25 54 44.79	E 126 30 47.07	WHANH	S 33 05 44.64	E 137 31 47.36	WLMWM	S 32 47 19.56	E 151 49 29.53
WBRNE	S 25 51 47.71	E 126 36 14.64	WHANI	S 32 52 56.74	E 137 28 54.99	WLUND	S 26 30 06.64	E 120 01 17.56
WBRNF	S 26 01 47.97	E 126 35 26.81	WHANM	S 33 02 47.44	E 137 31 07.51	WLUNE	S 26 24 45.89	E 120 03 39.20
WBRNG	S 25 55 25.42	E 126 41 10.80	WHASE	S 33 15 10.66	E 137 38 10.95	WLUNF	S 26 33 08.53	E 120 09 46.87
WBRNH	S 26 09 48.16	E 126 34 48.44	WHASF	S 33 08 57.63	E 137 31 48.56	WLUNG	S 26 24 55.79	E 120 10 02.36
WBRNI	S 25 56 47.84	E 126 35 50.74	WHASG	S 33 18 55.78	E 137 32 59.99	WLUNH	S 26 39 50.45	E 120 14 41.64
WBRNM	S 26 06 48.09	E 126 35 02.84	WHASH	S 33 03 54.53	E 137 22 54.62	WLUNI	S 26 28 57.25	E 120 06 42.92
WBRSA	S 26 20 19.08	E 126 39 12.51	WHASI	S 33 13 56.71	E 137 32 24.24	WLUNM	S 26 37 19.75	E 120 12 51.03
WBRSB	S 26 23 16.25	E 126 33 43.68	WHASJ	S 33 16 07.09	E 137 27 01.91	WLUSA	S 26 45 48.06	E 120 25 22.08
WBRSC	S 26 19 38.31	E 126 28 46.57	WHASM	S 33 03 58.54	E 137 31 12.94	WLUSB	S 26 51 09.16	E 120 23 01.02
WBRSF	S 26 13 16.03	E 126 34 31.80	WHEBB	S 28 36 36.19	E 120 00 00.00	WLUSC	S 26 50 59.84	E 120 16 36.38

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
WLUSF	S 26 42 47.11	E 120 16 51.43	WWLEI	S 33 57 56.64	E 147 24 05.82	XMONM	S 16 24 47.23	E 145 23 17.03
WLUSH	S 26 36 05.27	E 120 11 56.40	WWLEM	S 33 56 27.04	E 147 12 12.59	XMWNA	S 32 00 52.99	E 150 17 12.05
WLUSI	S 26 46 58.17	E 120 19 56.11	WWLWD	S 33 59 07.35	E 146 55 47.41	XMWNC	S 31 58 34.58	E 150 20 12.57
WLUSM	S 26 38 35.98	E 120 13 46.97	WWLWE	S 33 53 57.76	E 146 52 44.10	XMWND	S 32 01 11.58	E 150 24 08.47
WOBBL	S 27 33 22.18	E 152 25 14.93	WWLWF	S 33 55 29.17	E 147 04 36.65	XMWNF	S 32 04 32.65	E 150 21 04.12
WODAY	S 28 55 03.96	E 155 21 37.50	WWLWG	S 33 49 48.96	E 146 57 29.37	XMWNH	S 32 09 31.03	E 150 21 47.17
WODJA	S 12 17 35.94	E 131 02 29.97	WWLWH	S 33 56 41.48	E 147 14 06.99	XMWNI	S 32 01 33.61	E 150 20 38.33
WOKKA	S 36 41 12.74	E 139 40 00.00	WWLWI	S 33 54 43.61	E 146 58 40.32	XMWNM	S 32 07 31.68	E 150 21 29.94
WOKKI	S 12 19 48.64	E 130 53 33.82	WWLWM	S 33 56 14.45	E 147 10 33.08	XTUEA	S 17 58 19.70	E 146 06 24.06
WOLAG	S 26 34 16.71	E 115 15 57.14	WYATT	S 33 54 18.90	E 149 56 34.20	XTUEB	S 18 02 47.74	E 146 07 34.09
WOLBI	S 35 28 54.00	E 148 12 30.00	WYLOO	S 22 48 22.83	E 116 15 46.75	XTUEC	S 18 05 22.48	E 146 03 34.48
WOLGO	S 27 40 58.98	E 115 55 28.90	WYMEA	S 15 33 31.57	E 128 22 31.79	XTUEF	S 17 59 55.32	E 145 59 43.74
WOLNA	S 34 20 04.74	E 150 51 36.58	WYMEB	S 15 39 17.13	E 128 22 36.91	XTUEH	S 18 00 48.10	E 145 57 15.12
WOLNC	S 34 20 42.33	E 150 40 17.21	WYMEC	S 15 41 19.92	E 128 17 03.47	XTUEI	S 18 01 21.57	E 146 03 38.88
WOLND	S 34 18 36.34	E 150 45 48.05	WYMEF	S 15 33 38.49	E 128 14 02.68	XTUEM	S 17 58 50.58	E 145 56 47.42
WOLNF	S 34 26 06.07	E 150 46 25.03	WYMEH	S 15 36 27.74	E 128 05 47.90	XWLNA	S 34 17 19.62	E 150 57 53.64
WOLNH	S 34 32 00.00	E 150 53 00.00	WYMEI	S 15 36 27.86	E 128 18 19.74	XWLNC	S 34 17 55.41	E 151 01 58.95
WOLNI	S 34 22 06.22	E 150 46 05.17	WYMEM	S 15 30 49.05	E 128 09 45.74	XWLND	S 34 22 10.52	E 151 01 59.21
WOLNM	S 34 32 05.86	E 150 46 54.24	WYMER	S 36 52 18.00	E 142 55 24.00	XWLNF	S 34 22 10.63	E 150 56 51.82
WOLSE	S 34 45 30.77	E 150 54 49.34	WYMWD	S 15 26 06.40	E 127 53 59.58	XWLNH	S 34 24 44.33	E 150 56 01.81
WOLSF	S 34 41 01.69	E 150 48 10.93	WYMWE	S 15 20 20.82	E 127 53 55.26	XWLNI	S 34 20 03.05	E 150 59 25.45
WOLSG	S 34 49 59.92	E 150 49 15.92	WYMWF	S 15 26 00.25	E 128 02 28.39	XWLNM	S 34 24 18.15	E 150 54 18.06
WOLSH	S 34 30 39.23	E 150 51 47.30	WYMWG	S 15 18 18.62	E 127 59 28.36	YAHMO	S 30 43 00.63	E 118 51 49.29
WOLSI	S 34 46 00.70	E 150 48 47.03	WYMWH	S 15 31 39.34	E 128 11 01.99	YAKKA	S 33 11 32.40	E 151 13 22.45
WOLSJ	S 34 47 44.83	E 150 44 24.41	WYMWI	S 15 23 10.58	E 127 58 11.76	YANCO	S 35 16 41.00	E 145 43 54.00
WOLSM	S 34 34 03.06	E 150 47 20.46	WYMWM	S 15 29 57.65	E 128 08 27.86	YARDD	S 17 20 18.00	E 137 09 18.00
WONGA	S 37 43 12.00	E 145 15 12.00	WYNOT	S 16 15 18.76	E 149 24 19.27	YARRA	S 37 50 30.00	E 144 52 12.00
WONKA	S 32 26 40.75	E 152 05 51.84	WYYWA	S 41 04 15.14	E 145 25 32.04	YB400	S 27 20 59.28	E 153 08 54.70
WONSA	S 22 00 00.00	E 110 00 00.00	WYYWB	S 40 57 19.39	E 145 23 32.76	YB404	S 27 19 22.22	E 153 11 28.98
WONYU	S 24 55 29.56	E 119 44 49.01	WYYWC	S 40 53 13.66	E 145 28 49.65	YB408	S 27 26 43.71	E 153 17 57.22
WOODS	S 24 48 37.73	E 118 06 32.69	WYYWF	S 40 58 57.41	E 145 36 34.20	YB412	S 27 31 39.09	E 153 15 16.23
WOODY	S 27 14 16.89	E 152 24 16.91	WYYWH	S 40 59 39.92	E 145 48 44.73	YB416	S 27 32 08.00	E 153 12 54.00
WOOFA	S 12 16 52.82	E 132 15 38.53	WYYWI	S 40 58 08.58	E 145 30 03.40	YB420	S 27 24 51.27	E 153 19 25.24
WOOFY	S 31 51 30.00	E 115 48 54.00	WYYWM	S 40 59 45.86	E 145 43 05.16	YB424	S 27 25 11.10	E 153 23 43.14
WOOLY	S 35 33 30.77	E 162 17 50.72	XFVWA	S 32 52 56.97	E 151 33 19.88	YB428	S 27 11 51.73	E 153 09 45.30
WOONA	S 34 44 07.64	E 140 31 59.11	XFVWB	S 32 49 30.12	E 151 33 09.42	YB432	S 27 09 53.88	E 153 05 05.62
WOORA	S 31 45 11.18	E 116 04 41.25	XFVWC	S 32 48 11.13	E 151 36 55.68	YB436	S 27 16 54.98	E 152 57 46.64
WSLWA	S 38 07 29.91	E 146 44 34.67	XFVWF	S 32 52 44.22	E 151 39 09.62	YB452	S 27 25 39.17	E 153 06 14.66
WSLWB	S 38 03 21.08	E 146 42 04.71	XFVWH	S 32 54 53.46	E 151 43 09.99	YB456	S 27 26 34.77	E 153 04 07.65
WSLWC	S 38 00 04.57	E 146 46 09.04	XFVWI	S 32 51 07.21	E 151 36 09.46	YB460	S 27 32 16.46	E 153 02 28.34
WSLWF	S 38 04 40.54	E 146 52 04.16	XFVWM	S 32 54 21.16	E 151 42 09.88	YB464	S 27 34 02.69	E 153 08 57.59
WSLWH	S 38 07 34.28	E 147 00 41.99	XGSSA	S 33 33 16.79	E 151 25 02.14	YB468	S 27 33 52.89	E 153 13 07.09
WSLWI	S 38 04 00.81	E 146 47 04.41	XGSSB	S 33 35 36.38	E 151 21 59.78	YEEDI	S 28 52 07.38	E 119 31 47.72
WSLWM	S 38 05 20.28	E 146 57 03.96	XGSSC	S 33 34 00.56	E 151 18 20.71	YINDI	S 23 32 31.79	E 133 52 06.32
WSTSF	S 33 49 43.39	E 150 55 07.97	XGSSF	S 33 29 38.74	E 151 21 04.11	YINGA	S 27 44 06.89	E 119 17 28.10
WSTSH	S 33 46 33.59	E 150 59 14.44	XGSSH	S 33 24 54.08	E 151 21 36.20	YIREE	S 31 38 35.95	E 116 08 55.26
WSTSM	S 33 48 25.86	E 150 58 23.03	XGSSI	S 33 32 37.56	E 151 21 31.93	YKIEA	S 09 47 43.92	E 143 37 19.55
WSTWA	S 33 39 44.51	E 150 50 39.28	XGSSM	S 33 26 39.91	E 151 20 36.32	YKIEB	S 09 53 29.28	E 143 37 36.05
WSTWF	S 33 42 46.61	E 150 53 48.45	XLGSE	S 33 41 23.27	E 150 16 30.01	YKIEC	S 09 55 42.73	E 143 32 14.37
WSTWM	S 33 45 48.25	E 150 56 57.45	XLGSF	S 33 36 11.05	E 150 12 54.14	YKIEF	S 09 48 07.18	E 143 29 02.27
WSTWT	S 33 41 30.64	E 150 59 38.11	XLGSG	S 33 41 05.29	E 150 12 23.36	YKIEH	S 09 43 49.34	E 143 22 11.45
WTNNA	S 22 13 32.97	E 142 53 57.51	XLGSH	S 33 35 39.84	E 150 09 22.68	YKIEI	S 09 50 48.25	E 143 33 19.13
WTNNC	S 22 08 17.52	E 142 56 28.44	XLGSI	S 33 38 47.17	E 150 14 42.02	YKIEM	S 09 45 26.05	E 143 24 45.49
WTNND	S 22 08 41.56	E 143 02 38.25	XLGSM	S 33 32 42.84	E 150 10 30.47	YNGND	S 34 01 32.26	E 148 13 49.15
WTNNF	S 22 16 53.59	E 143 02 01.54	XLGWA	S 33 34 58.65	E 149 58 23.84	YNGNE	S 34 00 13.52	E 148 19 37.44
WTNNH	S 22 23 46.30	E 143 06 28.51	XLGWB	S 33 32 45.43	E 149 55 14.53	YNGNF	S 34 09 54.66	E 148 16 33.03
WTNNI	S 22 12 35.58	E 142 59 14.91	XLGWC	S 33 29 31.26	E 149 56 39.17	YNGNG	S 34 04 36.68	E 148 24 04.96
WTNNM	S 22 21 11.55	E 143 04 48.34	XLGWF	S 33 31 12.48	E 150 02 10.65	YNGNH	S 34 17 39.56	E 148 14 05.22
WUDOF	S 12 13 34.05	E 130 50 31.79	XLGWH	S 33 32 34.07	E 150 06 34.34	YNGNI	S 34 05 04.09	E 148 18 05.28
WUDSA	S 33 09 43.85	E 135 39 51.94	XLGWI	S 33 31 59.00	E 149 58 42.62	YNGNM	S 34 14 45.23	E 148 15 00.70
WUDSB	S 33 15 09.37	E 135 37 36.71	XLGWM	S 33 30 25.85	E 150 05 38.61	YNGSB	S 34 30 26.56	E 148 10 00.66
WUDSC	S 33 15 13.63	E 135 30 46.36	XMAWA	S 29 24 30.12	E 152 58 39.58	YNGSC	S 34 28 27.41	E 148 16 31.35
WUDSF	S 33 07 01.24	E 135 30 39.44	XMAWB	S 29 19 17.53	E 153 01 26.25	YNGSF	S 34 20 45.48	E 148 13 05.99
WUDSH	S 33 00 30.44	E 135 25 06.55	XMAWC	S 29 18 51.97	E 153 06 03.89	YNGSH	S 34 13 00.60	E 148 15 33.95
WUDSI	S 33 11 05.35	E 135 34 07.91	XMAWF	S 29 27 58.51	E 153 07 09.56	YNGSI	S 34 25 36.02	E 148 11 33.37
WUDSM	S 33 02 57.02	E 135 27 11.29	XMAWH	S 29 27 58.53	E 153 12 53.24	YNGSM	S 34 15 54.94	E 148 14 38.52
WUNGO	S 32 11 54.00	E 116 01 42.00	XMAWI	S 29 23 38.02	E 153 04 17.84	YOGGI	S 32 33 09.00	E 151 53 50.40
WVFRN	S 16 53 17.00	E 145 41 35.00	XMAWM	S 29 27 58.55	E 153 10 35.77	YOKRA	S 30 04 47.09	E 119 19 33.63
WVFRS	S 16 57 23.00	E 145 43 06.00	XMONA	S 16 13 59.62	E 145 22 20.43	YORKE	S 34 54 41.46	E 137 36 48.23
WWLEA	S 33 53 32.81	E 147 26 58.49	XMONC	S 16 13 32.19	E 145 27 45.14	YOTHU	S 23 55 46.42	E 133 38 58.04
WWLEB	S 33 58 41.00	E 147 30 02.58	XMOND	S 16 19 05.01	E 145 31 07.10	YRMED	S 38 31 17.63	E 147 01 29.47
WWLEC	S 34 02 51.27	E 147 25 17.01	XMONF	S 16 21 02.23	E 145 24 46.46	YRMEE	S 38 36 27.31	E 147 04 41.71
WWLEF	S 33 57 11.98	E 147 18 09.15	XMONH	S 16 26 39.86	E 145 25 43.50	YRMEF	S 38 34 52.68	E 146 52 05.95
WWLEH	S 33 55 59.94	E 147 08 38.70	XMONI	S 16 17 17.21	E 145 26 15.83	YRMEG	S 38 40 35.01	E 146 59 36.43

WAYPOINT	LOCATION		WAYPOINT	LOCATION		WAYPOINT	LOCATION	
YRMEH	S 38 33 45.63	E 146 43 17.25	YUNGA	S 31 44 59.61	E 116 09 09.10	ZAMMI	S 14 09 36.00	E 128 36 12.00
YRMEI	S 38 35 40.17	E 146 58 23.76	YUSEF	S 21 25 53.99	E 135 07 11.90	ZANEY	S 16 01 44.26	E 145 54 42.63
YRMEM	S 38 34 04.86	E 146 45 48.28	YWGND	S 35 48 44.72	E 146 02 05.80	ZIPPY	S 33 14 15.75	E 138 05 39.56
YRMWA	S 38 36 40.71	E 146 28 54.28	YWGNE	S 35 47 29.82	E 146 08 58.76	ZOCCA	S 11 14 42.89	E 127 13 12.96
YRMWB	S 38 31 30.06	E 146 25 44.60	YWGNF	S 35 56 45.26	E 146 04 17.15	ZONKA	S 33 57 29.20	E 151 06 45.15
YRMWC	S 38 27 23.82	E 146 30 51.16	YWGNG	S 35 52 20.15	E 146 12 46.82	ZORBA	S 17 00 10.49	E 146 03 12.33
YRMWF	S 38 33 07.52	E 146 38 19.18	YWGNH	S 36 04 09.58	E 146 00 31.39	ZORRO	S 27 15 52.00	E 153 12 45.00
YRMWH	S 38 34 24.52	E 146 48 23.26	YWGNI	S 35 52 07.54	E 146 06 38.02	ZWEKY	S 11 47 05.40	E 130 41 57.04
YRMWI	S 38 32 18.96	E 146 32 01.82	YWGNM	S 36 01 22.98	E 146 01 56.13			
YRMWM	S 38 33 55.75	E 146 44 36.69	ZAARS	S 12 01 59.33	E 129 36 13.12			

NOTES

SECTION 22 – AIR ROUTES

ROUTE DESIGNATORS

CONVENTIONAL ROUTES
REGIONAL ROUTES − A, B, G & R.
DOMESTIC ROUTES − H (ONE WAY) & J (TWO WAY)
DOMESTIC ROUTES − V (ONE WAY) & W (TWO WAY) Predominantly Low Level

AREA NAVIGATION ROUTES
REGIONAL ROUTES (TASMAN) − L, M, N, P
DOMESTIC ROUTES − Q (180°− 359°), Y (360°− 179°), T (TWO WAY) & Z (LOW LEVEL)

NOTE: Prefix U INDICATES ROUTE NEAR MAJOR TERMINAL

Displayed Below Charts	Depiction	Explanation
1	■	No report required
2	▲	Compulsory position report for all ACFT;
3	△	Compulsory position report for ACFT with TAS Less than 300KT, and for other ACFT on request;
4	▲	Compulsory position report for all ACFT with AIREP section 3 required for designated flights;
5	△	In Addition to 3 above, AIREP section 3 required from designated flights.

ROUTE LEGENDS

T/W	Two Way
O/W	One Way
LIMITED SEG	Route charted on ERC(L)charts, however Limited segments, particularly in TAC coverage, are required for high Level operations.

For each Route Segment:

H = Displayed on High Charts
L = Displayed on Low Charts
B = Displayed on Both High and Low Charts therefore able to be Flight Planned at all Levels

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE A216 T/W					
3 CS VOR	S16 51.0 E145 44.6	---/344			
1 LOCKA	S16 01.4 E145 36.5	344/344	50	5200/5900	H
2 MEMIG	S14 22.3 E145 20.3	345/345	100	5200/5900	H
4 APUKA	S12 00.0 E144 57.7	345/345	143	2600/3400	H
ATS ROUTE A339 T/W					
5 TEF NDB	S21 42.7 E122 12.8	---/019			
2 POKOS	S20 34.5 E122 40.5	018/018	73	2700/3100	H
2 CIN VOR	S17 35.3 E123 51.1	018/022	191	2600/2500	H
3 NIKOM	S15 44.3 E124 43.4	022/022	121	2900/3700	H
2 GUNAM	S14 42.0 E125 12.2	021/021	68	3200/3700	H
2 IDOTO	S11 31.1 E126 38.8	021/021	208	3000/3200	H
3 IKUMA	S10 25.8 E127 08.1	021/021	71	1500/1500	H
4 ELBIS	S09 05.3 E127 43.7	021/011	87	4700/4700	H
ATS ROUTE A346 T/W					
3 HM VOR	S20 21.1 E148 57.4	---/118			
2 ELDEK	S20 33.0 E149 14.5	118/118	20	3200/3200	H
2 LEEAM	S23 52.6 E154 15.0	114/119	342	1500/1500	H
2 PADDY	S26 52.7 E158 25.3	115/121	289	1500/1500	H
4 TEKEP	S30 29.4 E163 00.0	116/109	324	1500/1500	H

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE A458 T/W					
2 ALEGO	S10 38.4 E125 08.0	105/106	90	0/0	
2 BELKI	S11 41.2 E128 28.0	104/104	206	1500/1500	H
1 ZAARS	S12 02.0 E129 36.2	104/104	70	1800/1500	H
2 DN VOR	S12 25.4 E130 54.4	104/---	80	1900/1600	H
ATS ROUTE A461 T/W					
4 BUTPA	S08 32.8 E129 39.9	161/160	307	0/0	
3 NAYAR	S10 37.0 E130 19.4	159/159	130	4500/4500	H
2 OCTOB	S11 08.8 E130 29.6	159/159	33	1900/1700	H
2 DN VOR	S12 25.4 E130 54.4	159/163	80	1900/1800	H
2 AGUST	S13 37.7 E131 12.3	163/163	74	2300/2500	B
2 MONIC	S17 00.7 E132 03.5	162/162	208	2600/2700	B
3 BOYDI	S18 47.7 E132 31.3	162/162	110	5200/3800	B
2 DIGLA	S21 18.3 E133 11.5	161/161	155	5200/3800	B
2 AS VOR	S23 47.6 E133 52.7	161/145	154	5500/5000	B
3 ELLOW	S24 57.2 E134 36.5	145/145	80	4000/4100	B
2 IDANU	S26 41.0 E135 43.8	143/143	120	3000/3600	B
5 AGAGO	S28 13.2 E136 45.6	142/142	107	2800/2400	B
2 LEC VOR	S30 35.8 E138 25.7	141/---	167	3100/3100	B
ATS ROUTE A464 T/W					
4 RIGMI	S32 12.1 E163 00.0	284/284	451	1500/1500	

Chart Depiction. The following waypoint numbering is indicative of the presentation on Charts

1 NIL **2** ▲ **3** △ **4** ▲ **5** △

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
2 ELLAS	S29 00.5 E156 41.7	290/281	378	1500/1500	H
1 SCOTT	S27 52.1 E153 48.0	283/288	168	5900/5300	H
1 WINKY	S27 17.0 E152 39.4	289/289	70	5900/5300	H
3 TAM VOR	S25 48.2 E149 53.8	292/291	173	5900/5300	H
2 OMUBI	S23 38.3 E146 04.1	294/294	246	5500/5500	H
3 ONELU	S22 51.9 E144 46.3	295/295	85	3700/3700	H
4 TASHA	S20 06.7 E140 23.9	298/298	295	3500/3500	H
2 NIVED	S18 33.1 E138 03.5	300/300	162	3500/3500	H
2 MIGAX	S16 01.7 E134 26.7	302/302	256	2900/2900	H
2 MICEY	S14 50.4 E132 48.4	303/303	119	2700/2600	H
4 TN VOR	S14 31.2 E132 22.3	303/304	32	2700/2600	H
2 AGUST	S13 37.7 E131 12.3	305/305	86	2400/2800	H
2 LARAB	S12 04.1 E129 11.6	306/306	150	2300/2500	H
3 IKUMA	S10 25.8 E127 08.1	306/296	156	1600/1600	H
4 KIKEM	S09 52.9 E126 07.4	296/293	68	3500/3500	H

ATS ROUTE A576 T/W

3 KAT NDB	S33 42.6 E150 18.0	---/276			
2 PKS VOR	S33 07.9 E148 14.2	278/291	109	6100/6100	H
3 VIMAB	S31 30.9 E145 21.5	294/294	175	3300/4000	H
1 MACLA	S30 10.4 E143 07.4	297/297	141	3200/3200	H
4 APOMA	S29 53.9 E142 40.9	297/297	28	2800/2800	H
2 POLEV	S26 55.2 E138 10.2	301/301	298	2900/2900	H
2 KALUG	S25 54.0 E136 43.5	302/302	99	2200/1900	H
2 AS VOR	S23 47.6 E133 52.7	305/296	200	4400/4200	H
2 TIMMI	S21 55.3 E130 39.6	299/299	211	5500/6400	H
2 TATUK	S19 25.8 E126 38.8	301/301	271	4200/4200	H
2 CIN VOR	S17 35.3 E123 51.1	302/312	194	3300/3000	H
4 ATMAP	S12 00.0 E118 15.3	315/---	466	1900/2500	H

ATS ROUTE A579 T/W

4 UBLIN	S27 49.7 E163 00.0	222/222	314	0/0	
2 NATLI	S31 00.5 E157 23.8	225/225	350	1500/1500	H
2 JORDY	S32 23.5 E154 41.2	227/227	162	1500/1500	H
1 SHAZA	S33 39.7 E152 00.9	229/229	155	3500/1500	H
1 NOBAR	S33 47.2 E151 44.4	229/---	16	3500/1500	H

ATS ROUTE A585 T/W

3 AD VOR	S34 56.8 E138 31.5	---/296			
1 HAWKY	S34 34.5 E137 51.2	296/296	40	3000/3000	B
3 MUTHA	S34 06.2 E137 01.3	297/297	50	3000/3000	B
1 FRAZA	S33 26.1 E135 52.5	298/298	70	3000/3000	B
2 ABTOD	S32 59.7 E135 08.0	299/299	46	3000/3000	B
3 CDU NDB	S32 07.6 E133 43.6	301/301	88	3000/2200	B
4 BEZZA	S30 51.5 E131 48.5	303/303	124	2400/2600	B
2 PINAV	S28 52.9 E129 00.0	306/306	188	3000/3000	B
5 LANOP	S27 18.9 E126 53.9	307/307	146	3400/3400	B
2 BIDAP	S24 24.1 E123 14.7	310/310	264	3500/3500	B
3 GUKON	S22 56.4 E121 30.9	311/311	129	3600/3600	B
2 PD VOR	S20 22.7 E118 37.4	312/318	223	3600/3600	B
2 OSOTO	S18 07.3 E116 35.9	318/318	177	1600/1500	B
2 DOMOM	S16 26.2 E115 08.0	319/319	131	1500/1500	B
4 SAPDA	S12 00.0 E111 25.6	320/320	342	1500/1500	B

ATS ROUTE A587 T/W

2 AS VOR	S23 47.6 E133 52.7	---/306			
2 DEENO	S21 35.1 E131 12.9	308/308	198	5500/6400	H
4 DOPUK	S18 14.6 E127 25.1	310/310	293	4600/4600	H
5 JATAR	S16 26.7 E125 28.4	311/311	155	4700/4700	H
2 NIKOM	S15 44.3 E124 43.4	312/312	60	4500/4500	H
4 ONOXA	S12 00.0 E120 52.7	313/313	316	3900/4500	H

ATS ROUTE A598 T/W

3 BN VOR	S27 22.0 E153 08.4	---/010			
3 TRIKI	S26 52.3 E153 21.2	010/010	32	2300/4300	H
2 SETER	S24 42.9 E154 16.1	010/010	138	1500/4300	H
4 PUGEL	S19 49.6 E156 13.5	010/010	312	1500/2000	H
3 IKODA	S16 37.4 E157 26.9	010/010	204	1500/1500	H
2 RIPNA	S14 00.0 E158 25.0	010/010	166	1500/1500	H

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B

ATS ROUTE B220 T/W

2 KELPI	S22 34.2 E151 35.2	---/332			
3 LAMEK	S18 09.3 E150 02.6	334/334	278	3200/3900	H
3 DOTOD	S15 14.4 E149 04.2	335/335	183	1500/1500	H
4 VIPAM	S12 00.0 E148 01.2	336/336	203	1500/1500	H

ATS ROUTE B325 T/W

4 AKUKO	S09 00.5 E102 21.1	240/239	139	0/0	
3 EPGUP	S10 39.0 E099 33.1	241/241	193	1500/1500	H
2 CC VOR	S12 12.0 E096 50.5	243/---	185	1500/1500	H

ATS ROUTE B333 T/W

4 RUMIX	S27 07.6 E163 00.0	303/303	169	0/0	
2 ISTEM	S24 35.9 E160 23.0	306/308	207	1500/1500	H
4 PUGEL	S19 49.6 E156 13.5	312/309	367	1500/1500	H
2 ISPID	S14 10.9 E151 10.7	312/312	445	1500/1500	H
4 DUKUB	S12 00.0 E149 19.6	313/313	169	1500/1500	H

ATS ROUTE B349 O/W

4 TARUN	S12 00.0 E116 55.1	150/---	70	2	5000/0	

ATS ROUTE B450 T/W

3 SY VOR	S33 56.6 E151 10.8	---/059			
1 NOBAR	S33 47.2 E151 44.4	059/059	29	2100/3000	H
2 ABARB	S32 51.1 E154 56.1	057/057	170	1500/1500	H
2 LHI NDB	S31 31.7 E159 04.4	054/060	225	4500/4500	H
4 TEKEP	S30 29.4 E163 00.0	058/058	212	4500/4500	H
2 NF VOR	S29 02.8 E167 55.9	056/043	272	2100/2100	H

ATS ROUTE B462 T/W

4 APISO	S12 00.0 E147 36.4	165/165	154	2400/2400	
2 NONIR	S15 40.5 E148 11.2	164/164	222	1500/1500	H
3 HM VOR	S20 21.1 E148 57.4	163/157	283	4100/2900	H
3 MK VOR	S21 10.4 E149 11.2	157/---	51	3000/3000	B

ATS ROUTE B469 T/W

4 LAMOB	S12 00.0 E108 53.0	160/---	225	1500/1500	

ATS ROUTE B472 T/W

2 NTN NDB	S17 41.7 E141 04.4	---/316			
2 GUGUK	S14 56.5 E138 52.6	318/318	208	1600/1700	B
3 GV VOR	S12 15.9 E136 49.0	319/322	200	1900/2000	B
4 IDELU	S11 35.8 E136 21.8	322/322	48	1900/2000	H
4 TOREX	S07 24.0 E133 35.5	324/324	300	1700/1900	H

ATS ROUTE B473 T/W

4 OPABA	S08 51.5 E138 04.0	138/131	440	1600/1600	
2 PEBTA	S10 57.8 E140 10.5	130/130	177	1600/1600	H
2 WP VOR	S12 40.4 E141 55.3	129/133	145	2200/2200	H
2 MEMOS	S14 59.1 E144 00.5	132/132	184	6000/4200	H
1 LAKED	S16 13.8 E145 09.7	131/131	100	6000/6000	H
3 CS VOR	S16 51.0 E145 44.6	131/---	50	6000/6000	H

ATS ROUTE B474 T/W

1 NOBAR	S33 47.2 E151 44.4	---/029			
2 BEADS	S31 36.2 E153 59.6	028/028	173	3400/3700	H
2 PADDY	S26 52.7 E158 25.3	026/026	366	1500/1500	H
2 ISTEM	S24 35.9 E160 23.0	026/026	173	1500/1500	H
2 MEPAB	S21 22.8 E163 00.0	025/024	241	1500/1500	H

ATS ROUTE B578 T/W

2 TEBUR	S23 28.5 E163 00.0	232/232	78	1500/1500	
2 ISTEM	S24 35.9 E160 23.0	234/234	159	1500/1500	H
1 MULET	S26 25.9 E155 44.0	236/236	275	1500/1500	H
1 COODA	S27 11.0 E153 39.7	237/237	120	2300/2300	H
3 BN VOR	S27 22.0 E153 08.4	238/---	30	2300/2300	H

Chart Depiction. The following waypoint numbering is indicative of the presentation on Charts

1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE B580 T/W					
1 NOBAR	S33 47.2 E151 44.4	---/038			
2 IFFEY	S31 57.6 E154 21.5	037/037	172	1500/3500	H
4 MISLY	S30 49.7 E155 53.5	036/036	104	1500/1500	H
2 TABAL	S28 15.3 E159 10.3	035/035	231	1500/1500	H
2 VESUN	S24 58.8 E163 00.0	033/033	284	1500/1500	H
ATS ROUTE B586 T/W					
2 BODEG	S20 07.6 E163 00.0	291/291	92	2500/2500	
2 IKODA	S16 37.4 E157 26.9	295/295	380	2500/2500	H
2 MEKAD	S13 23.8 E152 42.0	298/298	336	1500/1500	H
4 TEKAN	S12 00.0 E150 43.5	299/299	143	1500/1500	H
ATS ROUTE B587 T/W					
3 NBR NDB	S30 19.2 E149 49.9	---/323			
2 SGE NDB	S28 02.8 E148 35.8	325/322	151	2200/2700	H
3 PUDUR	S24 23.9 E146 29.4	324/324	246	4600/5000	H
2 OMUBI	S23 38.3 E146 04.1	325/325	51	4000/4000	H
3 DOLIB	S20 33.4 E144 25.0	326/326	206	4900/4900	H
2 BIDAG	S18 19.1 E143 15.8	328/326	149	5000/5000	H
2 GULOP	S15 49.2 E141 55.4	327/328	168	4100/4100	H
3 KOW NDB	S15 28.8 E141 44.9	328/325	23	1900/1900	H
2 ROOKI	S10 56.8 E139 12.3	327/327	309	1900/1900	H
4 OPABA	S08 51.5 E138 04.0	328/---	142	1600/1600	H
ATS ROUTE B598 T/W					
2 DN VOR	S12 25.4 E130 54.4	---/078			
1 UNTER	S12 13.6 E132 15.2	078/078	80	1800/2900	H
3 IGOPO	S11 56.7 E134 07.1	077/078	111	2700/3300	H
4 IDELU	S11 35.8 E136 21.8	077/077	134	2600/2600	H
2 PEBTA	S10 57.8 E140 10.5	075/075	228	2100/2100	H
3 HID NDB	S10 35.5 E142 17.6	074/072	127	2200/2200	H
4 POSOX	S10 13.5 E143 55.6	071/071	99	2200/2100	H
ATS ROUTE G200 T/W					
4 XMX VOR	S10 25.8 E105 41.4	---/258			
4 TATOD	S10 59.1 E102 58.7	259/259	164	2300/2300	H
4 EMVAS	S11 28.2 E100 29.7	260/259	149	1500/1500	H
2 CC VOR	S12 12.0 E096 50.5	261/255	219	1500/1500	H
2 RUNUT	S13 49.6 E091 22.8	259/259	334	1500/1500	H
4 DUBAG	S15 32.8 E085 00.0	264/264	385	1500/1500	H
2 GUPOX	S16 44.9 E080 00.0	268/268	298	1500/1500	H
4 KADEM	S17 48.9 E075 00.0	272/272	294	1500/1500	H
ATS ROUTE G205 T/W					
3 HM VOR	S20 21.1 E148 57.4	---/017			
3 LAMEK	S18 09.3 E150 02.6	017/354	145	2800/3300	H
2 PIPPA	S14 40.9 E150 11.4	355/355	208	1500/1500	H
2 WEENA	S12 00.0 E150 18.0	355/355	160	1500/1500	H
ATS ROUTE G209 T/W					
2 LM VOR	S22 14.1 E114 05.7	---/324			
2 IDOKU	S18 15.5 E111 06.8	325/325	291	2600/2600	H
3 MALBI	S14 30.0 E108 27.1	325/325	272	1500/1500	H
4 ISRAN	S11 43.0 E106 33.1	326/326	200	1500/1500	H
4 XMX VOR	S10 25.8 E105 41.4	326/354	92	2300/2300	H
ATS ROUTE G222 T/W					
2 PKS VOR	S33 07.9 E148 14.2	---/282			
3 KADUV	S32 01.6 E145 19.1	285/285	162	3400/3400	B
2 TAROR	S31 00.0 E142 48.7	287/287	142	3200/3200	B
1 EVIEC	S30 21.3 E141 19.4	289/289	86	2800/5000	B
3 GOKEN	S30 11.9 E140 58.0	289/289	21	5000/2800	B
4 GUGAB	S29 41.1 E139 50.0	290/290	67	5000/5000	B
4 AGAGO	S28 13.2 E136 45.6	293/293	184	5000/4500	B
3 OOD NDB	S27 33.3 E135 26.5	294/294	81	2900/2200	B
2 AYE NDB	S25 10.4 E130 58.5	297/305	280	5600/4800	B
4 GULUM	S23 13.2 E128 27.8	307/307	181	4400/4900	B
2 JUGGL	S20 55.0 E125 39.5	309/309	208	4400/4400	B
3 BIGUP	S18 55.5 E123 19.8	310/310	177	2800/2800	B
4 BRM NDB	S17 56.8 E122 14.1	311/296	86	2400/2400	B
3 ONALA	S15 11.2 E117 01.7	298/298	342	1600/1600	H
2 METUM	S14 08.2 E115 08.5	298/298	126	1500/1500	H
4 SAPDA	S12 00.0 E111 25.6	300/---	252	1500/1500	H
ATS ROUTE G326 T/W					
4 ONOXA	S12 00.0 E120 52.7	117/121	240	0/0	
2 GUNAM	S14 42.0 E125 12.2	119/119	300	3400/3100	H
4 ARG VOR	S16 37.9 E128 26.9	118/116	220	4200/4000	H
3 BOYDI	S18 47.7 E132 31.3	114/114	267	3200/3500	H
5 TNK VOR	S19 38.1 E134 10.9	113/115	107	3200/3500	H
2 BIKER	S20 43.9 E136 14.0	114/114	133	3200/3600	H
2 VINAX	S21 35.3 E137 53.5	113/113	106	2600/3500	H
4 TAVEV	S24 15.6 E143 26.6	109/109	346	3200/3200	H
2 ROM NDB	S26 32.6 E148 46.9	104/093	321	4700/3900	H
2 MIMMI	S26 42.4 E149 35.4	093/093	45	5100/5100	H
2 MORRO	S26 51.9 E150 23.6	092/092	44	5100/5100	H
3 WOODY	S27 14.3 E152 24.3	090/090	110	5100/5100	H
3 BN VOR	S27 22.0 E153 08.4	090/---	40	4100/3900	H
ATS ROUTE G329 T/W					
3 BN VOR	S27 22.0 E153 08.4	---/090			
1 AMITY	S27 25.7 E153 30.4	090/089	20	2200/2300	H
2 SAVER	S27 31.2 E154 03.6	089/089	30	2200/2600	H
1 BONEY	S27 48.5 E155 54.5	088/088	100	1500/2600	H
2 TABAL	S28 15.3 E159 10.3	085/085	175	1500/1500	H
4 DOVOM	S28 40.4 E163 00.0	082/082	204	1500/1500	H
2 DALOS	S29 01.5 E167 30.6	079/079	90	0/0	H
2 NF VOR	S29 02.8 E167 55.9	079/---	22	0/0	H
ATS ROUTE G337 O/W					
2 XMX VOR	S29 02.8 E167 55.9	---/332	0	0/0	
ATS ROUTE G342 T/W					
3 CS VOR	S16 51.0 E145 44.6	---/057			
2 NONIR	S15 40.5 E148 11.2	056/056	157	4700/4700	H
3 DOTOD	S15 14.4 E149 04.2	055/055	57	1500/1500	H
2 ISPID	S14 10.9 E151 10.7	055/055	138	1500/1500	H
2 MEKAD	S13 23.8 E152 42.0	054/054	100	1500/1500	H
2 NODOK	S12 11.2 E155 00.0	053/053	153	1500/1500	H
ATS ROUTE G459 T/W					
2 BEGMI	S09 50.0 E140 24.6	147/147	113	0/0	
3 ATERA	S10 49.7 E140 57.5	146/148	68	1500/1500	H
2 WP VOR	S12 40.4 E141 55.3	147/---	124	2200/2200	H
ATS ROUTE G578 T/W					
4 EGATU	S12 00.0 E116 05.6	161/162	52	0/0	
3 ONALA	S15 11.2 E117 01.7	162/162	198	1500/1500	H
2 TAYER	S16 17.7 E117 21.7	162/162	69	1500/1500	H
3 MELBO	S17 58.2 E117 52.3	162/162	104	1500/1500	H
2 PD VOR	S20 22.7 E118 37.4	162/---	150	1600/1600	H
ATS ROUTE G591 T/W					
2 ABVOM	S29 20.6 E168 10.6	309/309	192	0/0	
2 NF VOR	S29 02.8 E167 55.9	310/332	22	0/0	H
4 MEPAB	S21 22.8 E163 00.0	271/271	63	0/0	H
4 PUGEL	S19 49.6 E156 13.5	275/275	392	1500/1500	H
2 LAMEK	S18 09.3 E150 02.6	279/279	365	1500/1500	H
2 PESKY	S17 04.2 E146 26.5	281/281	216	6700/4700	H
3 CS VOR	S16 51.0 E145 44.6	281/---	42	6700/4700	H
ATS ROUTE G595 T/W					
3 SY VOR	S33 56.6 E151 10.8	---/075			
3 DIPSO	S33 54.4 E152 04.3	074/078	45	2100/2100	H
1 GOVER	S33 54.6 E152 38.6	077/077	29	1500/2100	H
2 ALLOC	S33 54.6 E152 42.2	077/077	3	1500/2100	H
2 VARLY	S33 54.6 E153 20.4	077/077	32	1500/1500	H
4 WARTY	S33 54.4 E154 06.9	076/071	39	1500/1500	H
2 DONNA	S33 49.4 E155 10.9	071/071	54	1500/1500	H

Chart Depiction. The following waypoint numbering is indicative of the presentation on Charts

1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
2 TESAS	S33 20.8 E159 49.5	067/067	234	1500/1500	H
4 SARAP	S32 55.1 E163 00.0	065/068	162	1500/1500	H
ATS ROUTE H12 O/W					
3 MK VOR	S21 10.4 E149 11.2	---/164			
3 MAGRA	S22 25.6 E149 22.5	163/169	76	4100/0	H
2 MIMMI	S26 42.4 E149 35.4	167/167	256	4500/0	H
3 ROKUU	S28 11.1 E149 40.1	167/155	88	4500/0	H
2 DALAS	S30 20.6 E150 18.5	154/154	134	6500/0	H
3 SCO NDB	S32 02.1 E150 49.9	153/160	105	6500/0	H
1 CORKY	S32 29.9 E150 54.7	160/160	28	3700/0	H
1 SADLO	S32 47.3 E150 57.8	159/159	18	4200/0	H
1 BOREE	S33 14.2 E151 02.6	159/159	27	4200/0	H
2 SY VOR	S33 56.6 E151 10.8	158/---	43	4200/0	H
ATS ROUTE H17 LIMITED SEG O/W					
1 PH VOR	S31 56.7 E115 57.6	---/348			
1 GURAK	S30 51.9 E115 38.9	348/339	67	2700/0	B
2 GEL VOR	S28 47.4 E114 42.4	340/356	134	2900/0	B
3 EURAD	S27 37.6 E114 35.5	356/356	70	2400/0	B
2 WARRA	S24 50.0 E114 19.7	355/355	168	3100/0	B
2 LM VOR	S22 14.1 E114 05.7	355/---	156	2700/0	B
ATS ROUTE H18 O/W					
1 PH VOR	S31 56.7 E115 57.6	---/124			
1 BROOK	S32 12.8 E116 27.3	124/123	30	3200/0	H
1 PIY NDB	S32 32.4 E117 04.5	123/110	37	3200/0	H
1 BURGU	S32 58.2 E118 39.3	108/075	84	3000/0	H
2 NSM NDB	S32 11.7 E121 47.9	072/---	166	3500/0	H
ATS ROUTE H19 O/W					
2 MDG VOR	S32 33.7 E149 35.6	---/342			
2 ROM NDB	S26 32.6 E148 46.9	344/---	363	5400/0	H
ATS ROUTE H20 O/W					
3 WOL NDB	S34 33.5 E150 47.5	---/196			
3 NWA NDB	S34 57.1 E150 31.8	196/181	27	4300/0	B
3 MCO VOR	S37 35.8 E149 43.1	181/183	163	5100/0	B
1 SUNOB	S40 02.9 E148 47.7	183/183	153	4100/0	B
2 STH NDB	S41 20.1 E148 16.9	183/---	81	6600/0	B
ATS ROUTE H21 O/W					
1 NATYA	S34 58.1 E143 14.0	---/084			
3 WG VOR	S35 09.9 E147 28.1	080/---	209	3200/0	H
ATS ROUTE H36 O/W					
3 TBD VOR	S35 14.6 E139 30.6	---/085			
1 KACEY	S35 26.6 E146 53.5	078/078	362	5700/0	H
3 NONUP	S35 25.8 E148 17.9	077/---	69	8200/0	H
ATS ROUTE H44 O/W					
3 SY VOR	S33 56.6 E151 10.8	---/275			
3 KAT NDB	S33 42.6 E150 18.0	276/252	46	5000/0	B
3 CWR VOR	S33 50.9 E148 38.7	253/247	83	6000/0	B
3 GTH VOR	S34 15.0 E146 03.9	249/251	131	3900/0	B
3 MAXEM	S34 38.1 E142 33.3	254/254	176	2400/0	H
3 AD VOR	S34 56.8 E138 31.5	258/---	200	3800/0	H
ATS ROUTE H50 O/W					
1 ML VOR	S37 39.6 E144 50.5	---/009			
3 MNG VOR	S36 53.2 E145 11.7	008/346	49	4100/0	B
1 TOBOB	S34 56.0 E145 04.8	347/---	117	3400/0	B
ATS ROUTE H54 O/W					
1 HAWKY	S34 34.5 E137 51.2	---/273			
2 MTP VOR	S34 08.1 E135 20.4	276/---	128	2700/0	H
ATS ROUTE H62 O/W					
3 BN VOR	S27 22.0 E153 08.4	---/184			
3 WIZZA	S27 40.4 E153 02.9	184/184	19	2200/0	H
1 LAV VOR	S28 05.4 E152 55.5	184/190	26	3100/0	H
1 APAGI	S28 50.9 E152 35.1	190/190	49	5900/0	H
1 TESSI	S29 27.1 E152 18.8	190/190	39	6400/0	H
2 ADMAR	S30 19.4 E151 54.7	190/190	56	6600/0	H
3 MSO NDB	S31 23.2 E151 24.7	190/189	69	6600/0	H
1 MEHAN	S31 56.5 E151 09.8	189/189	36	6100/0	H
1 CORKY	S32 29.9 E150 54.7	189/---	36	6100/0	H
ATS ROUTE H65 O/W					
3 SY VOR	S33 56.6 E151 10.8	---/195			
3 WOL NDB	S34 33.5 E150 47.5	195/221	42	3400/0	B
1 RAZZI	S35 03.3 E149 57.6	222/237	51	4300/0	H
3 CB VOR	S35 16.9 E149 11.7	238/---	40	4800/0	H
ATS ROUTE H66 O/W					
1 ML VOR	S37 39.6 E144 50.5	---/018			
1 NONIX	S37 04.6 E145 14.8	017/028	40	4100/0	B
1 KACEY	S35 26.6 E146 53.5	027/027	126	6100/0	B
2 MDG VOR	S32 33.7 E149 35.6	026/024	219	6100/0	B
3 TW VOR	S31 04.0 E150 49.8	023/030	110	5500/0	B
1 PEBDO	S30 19.9 E151 35.3	030/030	59	6400/0	B
1 WHITI	S29 10.3 E152 45.3	030/030	92	6400/0	B
3 GAMBL	S28 52.5 E153 02.9	029/001	24	6400/0	B
1 BLAKA	S28 12.0 E153 13.3	001/002	41	5900/0	B
1 MOOVI	S27 54.8 E153 17.7	002/002	18	5300/0	B
1 JCW VOR	S27 45.7 E153 20.1	002/---	9	3400/0	B
ATS ROUTE H76 O/W					
3 RIC NDB	S33 35.8 E150 46.6	---/334			
1 GAZEL	S33 14.8 E150 40.3	334/334	22	5700/0	H
3 NBR NDB	S30 19.2 E149 49.9	335/---	180	5700/0	H
ATS ROUTE H84 O/W					
3 WHA NDB	S33 03.5 E137 31.5	---/155			
3 BOGAL	S33 35.9 E137 43.6	155/155	34	2800/0	B
1 NINEP	S34 00.1 E137 52.8	155/155	25	2900/0	B
1 MARGO	S34 24.8 E138 02.3	154/135	26	2900/0	B
3 AD VOR	S34 56.8 E138 31.5	135/---	40	2800/0	B
ATS ROUTE H98 O/W					
1 GAMBL	S28 52.5 E153 02.9	---/198			
3 MSO NDB	S31 23.2 E151 24.7	198/---	173	6600/0	B
ATS ROUTE H99 O/W					
3 MSO NDB	S31 23.2 E151 24.7	---/206			
3 SCO NDB	S32 02.1 E150 49.9	206/179	49	6100/0	B
1 BOSUN	S32 31.6 E150 43.1	179/160	30	5000/0	B
1 DUUKE	S32 59.0 E150 47.9	159/129	28	5500/0	B
1 BOREE	S33 14.2 E151 02.6	129/---	20	5500/0	B
ATS ROUTE H102 O/W					
4 MIA VOR	S34 13.6 E142 05.2	---/119			
3 NATYA	S34 58.1 E143 14.0	118/---	72	1800/0	H
ATS ROUTE H105 O/W					
1 MDG VOR	S32 33.7 E149 35.6	---/354			
1 NBR NDB	S30 19.2 E149 49.9	354/338	135	5100/0	H
3 HACHI	S28 13.3 E149 23.2	339/347	128	3600/0	H
3 NITTA	S21 42.6 E149 04.0	349/347	390	5600/0	H
3 HM VOR	S20 21.1 E148 57.4	347/---	82	5600/0	H
ATS ROUTE H119 O/W					
2 LEC VOR	S30 35.8 E138 25.7	---/131			
3 NATYA	S34 58.1 E143 14.0	126/138	357	5000/0	H
3 FRANZ	S35 48.9 E143 52.5	137/137	60	4000/0	B
1 CANTY	S36 48.4 E144 39.1	136/159	70	4000/0	B
1 ARBEY	S37 10.1 E144 43.9	159/158	22	4500/0	B
1 BOL NDB	S37 27.7 E144 47.9	158/159	18	4500/0	B

Chart Depiction. The following waypoint numbering is indicative of the presentation on Charts

1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
1 ML VOR	S37 39.6 E144 50.5	159/---	12	3200/0	B
ATS ROUTE H129 O/W					
1 ML VOR	S37 39.6 E144 50.5	---/030			
1 DOSEL	S37 09.9 E145 23.7	030/---	40	4100/0	B
ATS ROUTE H133 O/W					
1 ENTRA	S33 35.0 E151 41.8	---/338			
3 WMD VOR	S32 45.3 E151 31.9	338/005	50	3100/0	B
1 CRAVN	S32 07.6 E151 46.0	005/005	39	5900/0	B
3 SORTI	S31 49.3 E151 52.8	005/005	19	5700/0	B
2 PLO VOR	S30 29.5 E152 21.6	005/009	83	6500/0	B
1 VEGAH	S29 24.6 E152 49.4	009/009	69	6500/0	B
3 GAMBL	S28 52.5 E153 02.9	009/---	34	4500/0	B
ATS ROUTE H155 O/W					
1 KEPPA	S36 47.8 E143 58.5	---/318			
2 MIA VOR	S34 13.6 E142 05.2	320/---	180	4700/0	H
ATS ROUTE H164 O/W					
3 ML VOR	S37 39.6 E144 50.5	---/310			
1 KEPPA	S36 47.8 E143 58.5	311/311	66	4700/0	H
2 JAMOR	S35 33.9 E142 47.3	312/312	94	4700/0	H
3 IBABI	S33 37.9 E141 00.9	314/314	145	4700/0	H
2 LEC VOR	S30 35.8 E138 25.7	317/---	224	5200/0	H
ATS ROUTE H169 O/W					
3 ML VOR	S37 39.6 E144 50.5	---/150			
3 CWS VOR	S38 30.5 E145 12.8	149/149	54	2400/0	B
2 BENZO	S40 00.0 E145 53.0	148/148	95	1900/0	B
2 DPO VOR	S41 10.2 E146 26.1	147/148	75	2100/0	B
3 BABEL	S41 42.6 E146 40.2	148/148	34	6500/0	B
1 SYNOT	S42 13.2 E146 53.8	147/147	32	6300/0	B
1 CLARK	S42 28.4 E147 00.7	147/---	16	5700/0	B
ATS ROUTE H185 O/W					
3 SY VOR	S33 56.6 E151 10.8	---/038			
1 ENTRA	S33 35.0 E151 41.8	037/356	34	2500/0	H
2 MARTO	S33 19.2 E151 44.5	356/356	16	2500/0	H
3 WLM NDB	S32 48.2 E151 49.7	356/005	31	2500/0	H
3 BANDA	S30 48.0 E152 34.4	006/006	126	6600/0	H
2 TOJAM	S29 17.2 E153 06.9	006/006	95	6600/0	H
3 CG VOR	S28 10.1 E153 30.2	006/328	70	6600/0	H
3 JCW VOR	S27 45.7 E153 20.1	329/325	26	2500/0	H
3 BN VOR	S27 22.0 E153 08.4	325/---	26	2200/0	H
ATS ROUTE H202 O/W					
3 SY VOR	S33 56.6 E151 10.8	---/303			
3 RIC NDB	S33 35.8 E150 46.6	304/304	29	2200/0	B
1 BOYSY	S33 24.1 E150 33.0	304/304	16	5300/0	B
1 MISIT	S32 35.8 E149 38.1	305/305	67	5300/0	B
2 MDG VOR	S32 33.7 E149 35.6	305/322	3	5300/0	B
2 WLG VOR	S30 01.7 E148 07.7	324/---	169	5400/0	B
ATS ROUTE H215 O/W					
3 LT VOR	S41 32.6 E147 12.8	---/324			
3 FLIKI	S40 00.0 E146 23.6	325/325	100	3700/0	B
1 EXROM	S39 24.4 E146 05.4	326/326	38	3900/0	B
3 WON VOR	S38 28.3 E145 37.4	327/319	60	3900/0	B
1 WAREN	S38 01.0 E145 18.7	320/---	31	2400/0	B
ATS ROUTE H247 O/W					
3 AD VOR	S34 56.8 E138 31.5	---/084			
3 PANKI	S34 58.6 E140 21.0	082/082	90	3800/0	B
3 NATYA	S34 58.1 E143 14.0	079/079	142	2100/0	B
1 TOBOB	S34 56.0 E145 04.8	077/077	91	2000/0	B
1 CULIN	S34 44.4 E149 23.4	073/---	213	7700/0	B

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE H319 O/W					
2 NYN NDB	S31 33.1 E147 11.7	---/141			
2 PKS VOR	S33 07.9 E148 14.2	139/134	108	3100/0	H
1 MAKKA	S34 25.9 E149 20.1	132/086	95	4900/0	H
1 TARAL	S34 30.1 E149 56.0	086/---	30	5900/0	H
ATS ROUTE H345 O/W					
1 ML VOR	S37 39.6 E144 50.5	---/278			
3 NEVIS	S37 11.8 E143 16.3	280/280	80	4800/0	B
3 BOR VOR	S36 23.6 E140 44.5	283/299	131	5200/0	B
3 DUKES	S36 04.8 E140 15.0	299/299	30	2600/0	B
1 DRINA	S35 25.2 E139 14.1	300/300	63	3800/0	B
3 AD VOR	S34 56.8 E138 31.5	301/---	45	3800/0	B
ATS ROUTE J15 T/W					
1 YORKE	S34 54.7 E137 36.8	---/085			
3 AD VOR	S34 56.8 E138 31.5	084/---	45	2500/2300	B
ATS ROUTE J19 T/W					
3 NATYA	S34 58.1 E143 14.0	---/323			
2 UVUPU	S33 50.5 E142 32.9	324/324	76	2000/2000	B
2 BHI VOR	S32 00.0 E141 28.8	326/---	123	2600/2600	B
ATS ROUTE J21 LIMITED SEG T/W					
1 NRB NDB	S32 04.3 E118 23.7	---/094			
2 DOTOP	S32 06.3 E119 04.8	093/093	35	3000/3000	B
3 SORTU	S32 09.9 E120 38.9	092/092	80	3000/3000	B
2 NSM NDB	S32 11.7 E121 47.9	090/091	59	3000/3000	B
2 CAG VOR	S32 15.8 E125 29.7	088/095	188	3300/3300	B
2 IVPEM	S32 31.6 E128 00.0	093/093	128	1900/2100	B
4 ISLAV	S32 51.6 E132 20.8	089/089	221	2100/2100	B
2 ABTOD	S32 59.7 E135 08.0	086/086	141	2900/2900	B
3 WHA NDB	S33 03.5 E137 31.5	084/095	121	3000/3000	B
1 KABEK	S33 23.3 E139 24.7	093/092	97	4500/4500	B
3 IBABI	S33 37.9 E141 00.9	091/091	82	4500/4500	B
2 UVUPU	S33 50.5 E142 32.9	089/089	78	2000/2000	B
3 GTH VOR	S34 15.0 E146 03.9	086/---	177	3200/3100	B
ATS ROUTE J22 T/W					
3 LT VOR	S41 32.6 E147 12.8	---/009			
2 FLI NDB	S40 05.7 E148 00.9	009/015	94	6000/6000	B
3 MCO VOR	S37 35.8 E149 43.1	014/---	170	3100/3100	B
ATS ROUTE J27 T/W					
2 GTE NDB	S13 58.5 E136 27.3	---/108			
2 GUGUK	S14 56.5 E138 52.6	107/---	152	2200/2200	B
ATS ROUTE J30 T/W					
4 TNK VOR	S19 38.1 E134 10.9	---/336			
2 DOSAM	S16 54.2 E133 12.0	337/337	173	3000/3000	B
4 TN VOR	S14 31.2 E132 22.3	338/---	150	2400/2400	B
ATS ROUTE J42 LIMITED SEG T/W					
3 WOL NDB	S34 33.5 E150 47.5	---/228			
3 CB VOR	S35 16.9 E149 11.7	229/234	90	4800/4800	B
3 ARRAN	S35 50.3 E147 38.4	235/235	83	7500/7700	B
3 AY VOR	S36 04.1 E146 58.0	236/---	36	4900/4900	B
ATS ROUTE J43 T/W					
3 BOR VOR	S36 23.6 E140 44.5	---/136			
1 GRACY	S37 20.8 E141 34.7	135/135	70	3100/5200	H
1 KAYTU	S38 54.1 E143 00.0	133/130	115	4100/5200	H
1 CLARK	S42 28.4 E147 00.7	124/---	282	6700/6700	H
ATS ROUTE J58 LIMITED SEG T/W					
1 HAWKY	S34 34.5 E137 51.2	---/342			
1 SPOTA	S34 04.5 E137 44.6	342/342	30	2800/2500	B
3 WHA NDB	S33 03.5 E137 31.5	342/---	62	2800/2500	B

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1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE J61 T/W					
3 IKUMA	S10 25.8 E127 08.1	---/116			
2 CURLY	S11 14.6 E128 39.4	115/115	102	1500/1500	H
1 JULIE	S11 47.8 E129 42.2	115/115	70	1800/1500	H
2 DN VOR	S12 25.4 E130 54.4	115/106	80	1800/1800	B
2 LARDO	S12 30.8 E131 10.4	105/105	17	2000/2400	H
1 CRAIG	S12 41.5 E131 42.8	105/105	33	2000/2400	H
1 JANUS	S12 51.1 E132 11.9	105/105	30	2200/3300	H
2 SOCAR	S13 13.3 E133 19.9	105/105	70	3400/3400	H
2 DUMAV	S13 56.4 E135 35.7	103/104	139	3400/3400	H
2 GUGUK	S14 56.5 E138 52.6	102/102	200	2600/2600	H
2 GULOP	S15 49.2 E141 55.4	100/100	184	1800/1600	H
2 ANDEE	S16 11.0 E143 14.1	099/099	79	3300/2500	H
1 KONDA	S16 37.9 E144 54.4	099/099	100	5900/5100	H
3 CS VOR	S16 51.0 E145 44.6	098/---	50	5900/5400	H
ATS ROUTE J64 T/W					
2 AYE NDB	S25 10.4 E130 58.5	---/059			
3 ARNTU	S24 29.7 E132 25.5	058/058	89	4500/4500	B
2 AS VOR	S23 47.6 E133 52.7	057/055	90	4800/4500	B
3 ANZAC	S22 44.8 E135 49.4	054/054	124	5400/5400	B
2 GAFER	S22 17.8 E136 38.1	054/054	52	5400/5400	B
5 VINAX	S21 35.3 E137 53.5	053/053	82	3200/3200	B
3 MA VOR	S20 39.9 E139 29.1	052/051	105	3300/3200	B
4 TASHA	S20 06.7 E140 23.9	051/051	61	3200/3400	B
2 BIDAG	S18 19.1 E143 15.8	049/049	195	4100/3500	B
1 BULOK	S17 35.8 E144 22.6	049/049	77	5200/4000	B
1 MUSEY	S17 12.9 E144 57.7	049/049	41	6000/4800	B
3 BIB VOR	S16 55.0 E145 24.7	049/071	31	5700/4800	B
3 CS VOR	S16 51.0 E145 44.6	071/---	20	4900/4900	B
ATS ROUTE J70 T/W					
2 CFS VOR	S30 19.2 E153 07.3	---/213			
3 BANDA	S30 48.0 E152 34.4	213/213	40	5000/5700	B
3 JOKER	S31 25.0 E151 51.8	213/205	52	6200/6200	B
1 COOPA	S31 47.9 E151 31.9	205/205	28	6700/6700	H
2 INOKE	S32 02.0 E151 19.5	205/205	18	6700/6700	H
1 CORKY	S32 29.9 E150 54.7	205/---	35	6700/6700	H
ATS ROUTE J72 T/W					
3 ARG VOR	S16 37.9 E128 26.9	---/013			
2 KU VOR	S15 46.5 E128 42.5	013/030	53	3300/3300	B
2 JULUP	S13 33.2 E130 10.4	029/029	158	2600/2600	B
1 WANGI	S13 07.8 E130 27.0	029/029	30	2200/2100	B
2 DN VOR	S12 25.4 E130 54.4	029/---	50	2200/2100	B
ATS ROUTE J89 T/W					
3 MA VOR	S20 39.9 E139 29.1	---/117			
4 SARIK	S22 00.5 E141 45.8	115/115	151	3400/3400	B
3 LRE VOR	S23 25.5 E144 16.9	113/108	163	2700/2700	B
2 PUDUR	S24 23.9 E146 29.4	107/107	135	3900/3900	B
3 TAM VOR	S25 48.2 E149 53.8	104/---	204	5500/5500	B
ATS ROUTE J93 T/W					
2 LM VOR	S22 14.1 E114 05.7	---/059			
3 ONSLO	S21 40.0 E115 06.7	058/058	66	2100/2100	B
2 KA VOR	S20 42.9 E116 46.4	057/078	109	2200/2200	B
2 PD VOR	S20 22.7 E118 37.4	077/053	106	1900/1900	B
2 SNAPA	S19 10.0 E120 26.6	052/053	126	1600/1900	B
4 BRM NDB	S17 56.8 E122 14.1	052/075	126	1800/1500	B
2 CIN VOR	S17 35.3 E123 51.1	074/063	95	1800/1800	B
2 MAMUT	S16 25.8 E126 25.9	062/071	164	4300/4600	B
2 KU VOR	S15 46.5 E128 42.5	070/---	137	4300/4000	B
ATS ROUTE J108 T/W					
3 AD VOR	S34 56.8 E138 31.5	---/004			
1 ORBUN	S34 11.8 E138 43.3	004/004	46	3800/4500	B
2 CAPET	S31 40.8 E139 21.3	004/004	154	5100/5200	B
4 GUGAB	S29 41.1 E139 50.0	004/004	122	5100/5200	B
2 OOM NDB	S28 06.3 E140 11.9	004/---	97	4700/2700	B

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE J114 T/W					
2 LEC VOR	S30 35.8 E138 25.7	---/172			
1 KLAVA	S34 11.8 E138 30.4	171/171	216	5200/5200	H
3 AD VOR	S34 56.8 E138 31.5	171/---	45	5200/5200	H
ATS ROUTE J138 T/W					
2 JANUS	S12 51.1 E132 11.9	---/117			
2 NERTI	S13 27.0 E133 14.5	116/116	71	3300/3300	H
2 EGORE	S15 21.8 E136 40.1	115/115	230	3300/3300	H
2 NTN NDB	S17 41.7 E141 04.4	112/101	290	2300/2000	H
2 BIDAG	S18 19.1 E143 15.8	100/099	131	3500/4000	H
3 TL VOR	S19 14.7 E146 45.5	097/---	207	5100/4900	H
ATS ROUTE J141 T/W					
3 KG VOR	S30 47.4 E121 27.2	---/091			
2 SEVSI	S30 51.0 E123 37.6	089/089	112	2900/3000	B
3 SEEMO	S30 52.3 E125 52.3	087/087	116	2800/2900	B
2 FRT NDB	S30 51.3 E128 06.0	085/087	115	2400/2100	B
3 BEZZA	S30 51.5 E131 48.5	084/084	192	2400/2400	H
4 RUSAD	S30 49.2 E133 40.4	083/082	96	2600/2600	H
2 LEC VOR	S30 35.8 E138 25.7	078/102	246	3700/3700	H
3 SAPED	S31 21.1 E141 00.4	100/100	140	5000/5000	H
2 NEWMO	S32 01.5 E143 31.0	097/097	135	3000/3000	H
3 EKKEY	S32 27.8 E145 17.0	096/096	94	3200/3100	H
2 PKS VOR	S33 07.9 E148 14.2	093/---	155	3300/3300	H
ATS ROUTE J142 T/W					
3 CB VOR	S35 16.9 E149 11.7	---/246			
3 NONUP	S35 25.8 E148 17.9	247/247	45	7000/8200	H
3 BOR VOR	S36 23.6 E140 44.5	254/---	373	7000/8200	H
ATS ROUTE J149 T/W					
2 CDU NDB	S32 07.6 E133 43.6	---/101			
3 ANITA	S32 38.4 E135 44.6	100/099	107	2900/2900	B
3 WHA NDB	S33 03.5 E137 31.5	098/---	93	2900/2900	B
ATS ROUTE J151 T/W					
3 CS VOR	S16 51.0 E145 44.6	---/290			
1 CARBA	S16 28.4 E144 58.1	290/290	50	5900/5900	H
2 KOOKA	S15 42.8 E143 25.6	291/291	100	5900/5900	H
2 PILLO	S13 28.2 E139 03.7	293/293	287	2600/3300	H
3 GV VOR	S12 15.9 E136 49.0	295/263	150	1800/1800	H
2 COLLA	S12 20.7 E134 24.7	264/264	141	2300/2500	B
3 RAGER	S12 23.9 E132 16.1	265/265	126	3300/2800	B
2 DN VOR	S12 25.4 E130 54.4	266/229	80	2900/2100	B
1 HELLI	S13 14.6 E129 49.6	229/229	80	1900/2200	B
1 ZAMMI	S14 09.6 E128 36.2	230/230	90	1500/2500	B
2 TOBIE	S14 52.0 E127 39.0	230/230	70	3000/3300	B
5 JATAR	S16 26.7 E125 28.4	231/231	157	4500/4100	B
2 CIN VOR	S17 35.3 E123 51.1	231/237	116	4500/4100	B
2 SAFIR	S19 22.0 E120 34.5	239/239	215	2100/2400	B
2 PD VOR	S20 22.7 E118 37.4	240/---	126	2400/1700	B
ATS ROUTE J163 T/W					
2 HB VOR	S42 50.8 E147 31.6	---/353			
1 KAREN	S42 05.3 E147 39.9	353/353	46	4200/5000	B
2 FLI NDB	S40 05.7 E148 00.9	354/358	120	6700/6700	B
1 MAKRL	S38 29.9 E148 25.5	358/358	98	2900/2900	H
3 CB VOR	S35 16.9 E149 11.7	358/---	196	8700/7500	H
ATS ROUTE J174 T/W					
2 MEK VOR	S26 36.4 E118 32.0	---/000			
2 PEKAY	S23 16.7 E118 34.9	359/359	199	5500/5500	L
2 PD VOR	S20 22.7 E118 37.4	359/---	173	5500/5500	L
ATS ROUTE J184 T/W					
2 TL VOR	S19 14.7 E146 45.5	---/249			
1 ALBEE	S19 22.7 E146 08.4	250/250	36	4200/4900	B
2 WISKA	S19 34.5 E145 12.5	250/250	54	4100/4900	B

Chart Depiction. The following waypoint numbering is indicative of the presentation on Charts

1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
2 RUSSO	S19 59.0 E143 11.4	251/251	117	5000/5000	B
3 PENAR	S20 21.3 E141 13.9	253/253	113	4400/4400	B
3 MA VOR	S20 39.9 E139 29.1	254/---	100	3500/3500	B
ATS ROUTE J199 T/W					
2 SPRIG	S10 18.9 E125 33.5	092/092	112	0/0	
3 IKUMA	S10 25.8 E127 08.1	092/091	93	1500/1500	H
3 NAYAR	S10 37.0 E130 19.4	090/090	189	1800/1800	H
3 TATAP	S10 45.7 E133 15.3	089/089	173	1900/1900	H
2 NOPAG	S10 51.9 E135 52.5	088/088	155	1700/1700	H
3 ROOKI	S10 56.8 E139 12.3	086/086	197	1700/1700	H
2 PEBTA	S10 57.8 E140 10.5	086/---	57	1500/1500	H
ATS ROUTE J208 T/W					
3 BN VOR	S27 22.0 E153 08.4	---/120			
1 POODL	S27 31.2 E153 20.3	120/119	14	2200/5300	H
1 SCOTT	S27 52.1 E153 48.0	119/118	32	2200/5300	H
2 CHEWY	S28 58.1 E155 18.9	117/117	104	1500/5300	H
2 LHI NDB	S31 31.7 E159 04.4	113/---	248	4500/4500	H
ATS ROUTE J251 T/W					
2 DN VOR	S12 25.4 E130 54.4	---/143			
2 MAVER	S13 11.0 E131 26.1	142/142	55	2400/2400	B
1 NOVEM	S13 31.8 E131 40.5	142/142	25	2400/2400	B
4 TN VOR	S14 31.2 E132 22.3	142/168	72	2600/2600	B
3 BONES	S16 10.7 E132 37.7	168/168	100	2400/2500	B
2 GREGA	S17 00.3 E132 45.5	167/167	50	2400/2500	B
2 SCOTI	S21 19.4 E133 27.5	167/167	261	4200/3800	B
2 AS VOR	S23 47.6 E133 52.7	166/155	149	5500/5000	B
3 SADEL	S25 02.4 E134 23.0	154/154	80	4000/4000	B
2 SARAH	S26 55.5 E135 10.2	153/153	121	3000/3100	B
3 OOD NDB	S27 33.3 E135 26.5	153/156	40	2400/2400	B
5 CARTS	S29 41.3 E136 14.4	155/155	134	2800/2800	B
4 WR NDB	S31 08.6 E136 48.5	154/156	92	2200/2200	B
1 OJJAY	S32 28.7 E137 18.2	155/155	84	2500/2500	B
3 WHA NDB	S33 03.5 E137 31.5	155/---	36	2500/2500	B
ATS ROUTE J917 T/W					
3 CS VOR	S16 51.0 E145 44.6	---/042			
2 TENCH	S14 53.8 E148 03.7	041/041	178	3500/4100	H
2 TICAL	S12 00.0 E151 22.5	040/040	260	1500/1500	H
ATS ROUTE L503 T/W					
4 RUNOD	S36 09.4 E163 00.0	300/299	470	0/0	
2 TESAS	S33 20.8 E159 49.5	303/303	230	0/0	H
3 NATLI	S31 00.5 E157 23.8	306/306	187	0/0	H
4 SIFRA	S29 48.1 E156 12.4	307/307	95	0/0	H
1 WODAY	S28 55.1 E155 21.6	308/308	69	0/0	H
2 SAVER	S27 31.2 E154 03.6	310/---	108	0/0	H
ATS ROUTE L508 T/W					
4 OMKIN	S42 24.9 E163 00.0	262/262	249	0/0	
4 COOPS	S41 27.9 E157 50.0	267/267	238	0/0	H
4 ECKHO	S39 39.5 E150 31.1	276/276	352	0/0	H
1 MILLA	S38 12.9 E145 53.6	281/---	233	0/0	H
ATS ROUTE L511 O/W					
4 TARUN	S12 00.0 E116 55.1	138/138	370	0/0	
4 BRM NDB	S17 56.8 E122 14.1	136/---	471	0/0	H
ATS ROUTE L513 T/W					
4 TAPAX	S36 18.3 E125 00.0	---/116			
4 TEKUP	S38 15.4 E130 00.0	110/110	266	0/0	H
4 TAGOD	S39 54.5 E135 00.0	104/104	254	0/0	H
4 TUNGO	S41 31.2 E141 00.0	097/097	290	0/0	H
2 HB VOR	S42 50.8 E147 31.6	088/068	302	0/0	H
4 HEWIT	S42 30.0 E150 55.5	065/065	152	0/0	H
4 COOPS	S41 27.9 E157 50.0	058/058	315	0/0	H
3 TUBBY	S40 53.9 E160 42.6	056/055	135	0/0	H
4 MIDAT	S40 22.0 E163 00.0	053/053	109	0/0	H

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE L514 O/W					
4 EGATU	S12 00.0 E116 05.6	---/174			
3 LAXAR	S14 47.7 E116 19.2	174/174	168	0/0	H
2 LILLY	S15 20.1 E116 21.9	174/174	32	0/0	H
2 OSOTO	S18 07.3 E116 35.9	174/174	167	0/0	H
3 MUNNI	S21 12.6 E116 52.0	174/180	185	0/0	H
2 COBRA	S24 06.6 E116 47.8	180/180	173	0/0	B
3 SCRUB	S26 38.3 E116 44.1	181/181	151	0/0	B
2 PALTI	S27 51.2 E116 42.2	181/181	73	0/0	B
1 REVOP	S30 33.2 E116 37.9	182/---	162	0/0	B
ATS ROUTE L521 O/W					
1 SY VOR	S33 56.6 E151 10.8	---/097			
3 EVONN	S34 11.7 E152 01.9	096/096	45	0/0	H
2 GEROS	S35 01.1 E154 59.9	093/093	155	0/0	H
4 WALTZ	S35 46.8 E158 04.9	090/087	158	0/0	H
4 ESKEL	S36 31.4 E163 00.0	082/082	243	0/0	H
ATS ROUTE L774 T/W					
4 LELED	S11 16.6 E075 00.0	068/068	339	0/0	
2 UBNIS	S08 16.3 E080 00.0	065/065	346	0/0	H
4 IDEVI	S06 13.0 E083 18.9	063/063	233	0/0	H
3 DAOVO	S02 52.3 E088 35.7	061/061	374	0/0	H
4 ELATI	S02 00.0 E089 57.7	060/060	97	0/0	H
ATS ROUTE L894 T/W					
2 DADAR	S02 00.0 E079 27.1	141/141	126	0/0	
3 KAMUN	S03 30.3 E080 53.5	141/143	125	0/0	H
4 IDEVI	S06 13.0 E083 18.9	143/139	217	0/0	H
4 SAKEG	S08 10.3 E085 20.1	139/139	168	0/0	H
2 RUNUT	S13 49.6 E091 22.8	138/138	491	0/0	H
4 POLUM	S20 00.0 E098 32.8	135/135	553	0/0	H
2 NINOB	S26 00.0 E106 29.1	131/131	567	0/0	H
4 MERIB	S30 04.0 E112 45.1	127/---	412	0/0	H
ATS ROUTE M625 T/W					
2 TOMAR	S41 08.2 E163 00.0	255/257	335	0/0	
4 GILLY	S40 22.7 E156 46.7	264/264	287	0/0	H
4 LEPAR	S39 14.2 E150 27.6	271/270	300	0/0	H
1 MILLA	S38 12.9 E145 53.6	275/---	223	0/0	H
ATS ROUTE M636 T/W					
4 SASRO	S38 34.8 E163 00.0	272/273	369	0/0	
2 VELKU	S37 04.3 E158 30.0	278/278	232	0/0	H
4 PLUGA	S35 36.4 E154 41.3	282/285	205	0/0	H
2 CAWLY	S34 19.6 E151 57.5	287/287	155	0/0	H
1 SY VOR	S33 56.6 E151 10.8	288/---	45	0/0	H
ATS ROUTE M639 T/W					
2 SAVER	S27 31.2 E154 03.6	---/122			
1 NETTY	S28 43.8 E155 30.6	121/121	106	0/0	H
2 LHI NDB	S31 31.7 E159 04.4	117/118	250	0/0	H
4 VEPAS	S34 24.8 E163 00.0	114/114	263	0/0	H
ATS ROUTE M641 T/W					
4 DOGAR	S02 00.0 E087 50.3	142/142	134	0/0	
4 PIBED	S05 20.2 E090 44.0	142/142	264	1500/1500	H
2 CC VOR	S12 12.0 E096 50.5	140/144	547	1500/1500	H
4 IKASA	S20 00.0 E103 29.2	142/142	604	1500/1500	H
2 UXORA	S26 00.0 E109 13.7	139/145	479	1500/1500	H
4 MERIB	S30 04.0 E112 45.1	144/---	307	1500/1500	H
ATS ROUTE M643 T/W					
2 ELGUN	S43 26.9 E163 00.0	247/247	244	0/0	
4 FONLO	S43 28.9 E157 46.5	252/252	228	0/0	H
4 PECOB	S43 09.7 E150 56.2	259/259	300	0/0	H
2 HB VOR	S42 50.8 E147 31.6	263/---	151	0/0	H

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1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE M766 T/W					
4 SATNA	S11 04.2 E124 34.2	100/100	277	0/0	
2 IDOTO	S11 31.1 E126 38.8	100/100	125	0/0	H
2 LARAB	S12 04.1 E129 11.6	099/099	153	0/0	H
1 JACKI	S12 08.8 E129 34.4	099/099	23	0/0	H
2 DN VOR	S12 25.4 E130 54.4	099/---	80	0/0	H
ATS ROUTE M768 T/W					
4 ELBIS	S09 05.3 E127 43.7	135/134	331	0/0	
2 SHEPP	S10 36.0 E129 09.3	134/134	124	0/0	H
1 NATAL	S11 27.1 E129 58.2	134/134	70	0/0	H
2 DN VOR	S12 25.4 E130 54.4	133/---	80	0/0	H
ATS ROUTE N509 T/W					
2 PD VOR	S20 22.7 E118 37.4	---/298			
2 TIMET	S19 07.7 E116 19.3	299/299	150	1600/2100	H
2 DECEM	S16 46.1 E112 12.1	301/301	275	1500/1500	H
4 TANEM	S15 31.1 E110 07.2	301/301	142	1500/1500	H
3 MALBI	S14 30.0 E108 27.1	302/302	114	1500/1500	H
4 TATOD	S10 59.1 E102 58.7	304/304	383	1500/1500	H
4 MUTMI	S04 08.0 E092 58.7	307/307	723	1500/1500	H
4 ELATI	S02 00.0 E089 57.7	308/---	221	1500/1500	H
ATS ROUTE N584 T/W					
4 JUMPA	S35 06.0 E159 11.7	---/318			
4 SIFRA	S29 48.1 E156 12.4	323/295	352	0/0	H
2 LAMSI	S28 26.5 E154 11.6	296/---	133	0/0	H
ATS ROUTE N628 T/W					
3 DADAR	S02 00.0 E079 27.1	269/269	328	0/0	
2 SABEK	S02 08.5 E077 53.6	270/270	94	0/0	H
ATS ROUTE N633 T/W					
4 POSOD	S03 29.5 E094 09.9	244/243	240	0/0	
4 PIBED	S05 20.2 E090 44.0	245/245	233	0/0	H
4 SAKEG	S08 10.3 E085 20.1	248/248	364	0/0	H
3 PANDU	S11 38.1 E078 26.6	252/252	457	0/0	H
4 PEDPI	S13 16.6 E075 00.0	255/255	225	0/0	H
ATS ROUTE N640 T/W					
4 ELATI	S02 00.0 E089 57.7	136/135	85	0/0	
2 PIPOV	S04 22.1 E092 32.5	135/135	210	1500/1500	H
4 EMVAS	S11 28.2 E100 29.7	132/132	635	1500/1500	H
4 EGAVI	S18 29.4 E109 02.4	129/129	649	1500/1500	H
3 TARAK	S20 45.8 E112 03.1	128/128	218	1500/1500	H
2 LM VOR	S22 14.1 E114 05.7	127/127	144	2500/2500	H
2 COBRA	S24 06.6 E116 47.8	125/125	187	5000/5000	H
4 AGREK	S27 01.3 E121 19.4	123/123	301	5000/5000	H
4 AGTIK	S28 40.3 E124 06.2	121/121	178	3400/3400	H
2 FRT NDB	S30 51.3 E128 06.0	117/117	246	3300/3200	H
4 ISLAV	S32 51.6 E132 20.8	113/112	248	2000/2000	H
2 MTP VOR	S34 08.1 E135 20.4	109/101	168	2200/2200	H
3 WINCH	S34 30.9 E136 46.9	100/100	75	2500/2600	B
1 RIKAB	S34 44.0 E137 39.0	099/099	45	2100/2000	B
3 AD VOR	S34 56.8 E138 31.5	098/---	45	2100/2000	B
ATS ROUTE N750 T/W					
4 SULON	S39 51.5 E163 00.0	281/281	326	0/0	
2 BOKED	S37 31.7 E158 11.2	287/287	266	0/0	H
4 PLUGA	S35 36.4 E154 41.3	291/---	204	0/0	H
ATS ROUTE N752 O/W					
1 GURAK	S30 51.9 E115 38.9	---/323			
2 POKIP	S29 02.3 E114 01.3	324/341	138	0/0	H
2 NONOG	S25 17.5 E112 27.6	341/341	239	0/0	H
4 UPNOT	S18 39.4 E109 55.7	341/341	421	0/0	H
3 MALBI	S14 30.0 E108 27.1	341/341	263	0/0	H
4 ATMAL	S12 00.0 E107 35.5	341/341	158	0/0	H

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE N759 T/W					
3 ML VOR	S37 39.6 E144 50.5	---/085			
1 BADGR	S37 43.1 E145 28.0	085/087	30	0/0	H
1 FARRA	S37 47.7 E146 05.5	087/087	30	0/0	H
4 GEMAC	S38 13.4 E150 19.5	082/082	202	0/0	H
4 MIKEL	S38 35.7 E157 32.1	075/075	341	0/0	H
4 SASRO	S38 34.8 E163 00.0	070/070	257	0/0	H
ATS ROUTE N774 O/W					
4 OLREL	S35 39.0 E163 00.0	262/262	379	0/0	
4 MAGDA	S34 22.5 E155 09.8	269/263	394	0/0	H
1 MAYOP	S34 16.2 E154 09.9	264/264	50	0/0	H
1 SHARK	S34 04.9 E152 33.9	265/263	80	0/0	H
3 MARLN	S34 02.1 E152 04.0	264/264	25	0/0	H
3 SY VOR	S33 56.6 E151 10.8	265/---	45	0/0	H
ATS ROUTE P627 T/W					
4 KADAP	S02 00.0 E084 09.6	237/237	55	0/0	
4 KABTA	S05 54.5 E079 00.0	239/239	388	0/0	H
4 KALBI	S08 52.3 E075 00.0	241/241	297	0/0	H
ATS ROUTE P753 T/W					
1 WAREN	S38 01.0 E145 18.7	---/102			
1 MILLA	S38 12.9 E145 53.6	101/107	30	0/0	H
4 LOLLY	S40 08.7 E150 35.1	101/101	248	0/0	H
4 SMIFF	S42 09.5 E156 38.8	093/093	300	0/0	H
4 BUGBA	S43 48.9 E163 00.0	086/086	297	0/0	H
ATS ROUTE P766 T/W					
4 TONIM	S36 01.9 E154 20.8	---/122			
4 MIKEL	S38 35.7 E157 32.1	118/118	217	0/0	H
4 OMKIN	S42 24.9 E163 00.0	110/110	339	0/0	H
ATS ROUTE P880 T/W					
4 NUMSA	S39 25.2 E163 00.0	305/305	343	0/0	
4 JUMPA	S35 06.0 E159 11.7	311/311	317	0/0	H
4 MISLY	S30 49.7 E155 53.5	315/315	305	0/0	H
2 LAMSI	S28 26.5 E154 11.6	317/317	168	0/0	H
1 SCOTT	S27 52.1 E153 48.0	317/---	40	0/0	H
ATS ROUTE Q7 O/W					
2 PBO VOR	S23 10.4 E117 44.2	---/182			
3 HALEM	S26 07.9 E117 32.4	183/---	177	0/0	B
ATS ROUTE Q8 O/W					
1 HAWKY	S34 34.5 E137 51.2	---/310			
3 AKDAV	S33 01.8 E136 12.2	312/---	124	0/0	H
ATS ROUTE Q9 O/W					
2 PD VOR	S20 22.7 E118 37.4	---/188			
3 GOOTA	S22 01.6 E118 19.3	188/188	100	0/0	B
2 TUREK	S23 13.8 E118 05.9	189/189	73	0/0	H
3 HALEM	S26 07.9 E117 32.4	189/189	176	0/0	H
2 RANGR	S27 50.2 E117 11.9	190/190	104	0/0	H
1 REVOP	S30 33.2 E116 37.9	191/---	165	0/0	H
ATS ROUTE Q10 O/W					
2 NSM NDB	S32 11.7 E121 47.9	---/265			
1 GRABL	S32 20.2 E118 36.4	268/268	163	0/0	H
1 HAMTN	S32 21.8 E117 39.4	269/---	48	0/0	H
ATS ROUTE Q11 O/W					
2 SUGAB	S28 46.5 E119 13.2	---/234			
2 CAMEL	S29 12.1 E118 31.6	235/---	45	0/0	H
ATS ROUTE Q12 O/W					
3 AD VOR	S34 56.8 E138 31.5	---/256			
1 GILES	S35 00.3 E137 47.9	257/257	36	0/0	H

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1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
2 LONLY	S35 11.2 E135 00.0	260/260	138	0/0	H
1 TUNAA	S35 15.0 E133 40.0	261/270	66	0/0	H
2 LESON	S35 03.2 E131 30.0	272/272	107	0/0	H
2 LODGE	S34 39.0 E128 00.0	276/276	175	0/0	H
2 LUCRE	S34 13.3 E125 00.0	279/279	151	0/0	H
3 ESP VOR	S33 40.8 E121 49.4	282/---	162	0/0	H
ATS ROUTE Q15 O/W					
1 HOOKS	S34 21.0 E151 08.0	---/221			
2 WOL NDB	S34 33.5 E150 47.5	221/---	21	0/0	H
ATS ROUTE Q18 O/W					
1 CORAL	S26 32.9 E153 19.2	---/327			
1 COLET	S25 37.7 E152 54.5	328/328	59	0/0	H
2 KELPI	S22 34.2 E151 35.2	329/---	197	0/0	H
ATS ROUTE Q21 O/W					
1 HARVS	S25 43.0 E156 04.0	---/213			
2 SAVER	S27 31.2 E154 03.6	214/---	153	0/0	H
ATS ROUTE Q25 O/W					
2 BIDAP	S24 24.1 E123 14.7	---/218			
3 SHADY	S26 47.9 E120 57.5	220/220	190	0/0	H
2 CAMEL	S29 12.1 E118 31.6	222/235	193	0/0	H
1 COPDI	S29 33.3 E117 56.5	235/235	37	0/0	H
1 DALWU	S30 14.7 E116 46.7	237/---	73	0/0	H
ATS ROUTE Q26 O/W					
3 BN VOR	S27 22.0 E153 08.4	---/000			
1 CORAL	S26 32.9 E153 19.2	000/313	50	0/0	H
2 LOAFA	S25 02.1 E152 06.6	314/314	112	0/0	H
3 GLA VOR	S23 51.9 E151 12.3	315/320	86	0/0	H
1 CAPRI	S22 16.0 E150 11.4	321/320	111	0/0	H
3 HM VOR	S20 21.1 E148 57.4	321/313	134	0/0	H
1 SWALO	S17 47.2 E146 49.7	315/315	195	0/0	H
1 BARIA	S17 12.8 E146 21.8	315/315	43	0/0	H
1 UPOLO	S16 41.9 E145 57.0	315/225	39	0/0	H
3 CS VOR	S16 51.0 E145 44.6	226/---	15	0/0	H
ATS ROUTE Q27 O/W					
4 TAPAX	S36 18.3 E125 00.0	---/296			
3 MOLGA	S34 02.3 E120 00.9	301/301	280	0/0	H
2 TAMOD	S33 16.1 E118 28.3	302/323	90	0/0	H
1 HAMTN	S32 21.8 E117 39.4	324/---	68	0/0	H
ATS ROUTE Q28 O/W					
3 YFDF AD	S22 17.5 E119 26.2	---/191			
3 KALSA	S23 26.6 E119 08.7	192/192	71	0/0	H
2 BAXMN	S25 34.8 E118 34.5	193/201	131	0/0	H
2 CHARL	S27 52.6 E117 32.1	202/---	148	0/0	H
ATS ROUTE Q29 O/W					
1 RAZZI	S35 03.3 E149 57.6	---/222			
1 TANTA	S35 52.8 E148 31.9	223/223	86	0/0	H
1 RUMIE	S36 19.8 E147 43.7	223/223	47	0/0	H
1 NABBA	S36 42.3 E147 02.5	224/224	40	0/0	H
1 BULLA	S37 04.7 E146 20.8	225/225	40	0/0	H
1 TAREX	S37 18.4 E145 54.9	225/225	25	0/0	H
1 LIZZI	S37 27.0 E145 38.3	225/240	16	0/0	H
1 ML VOR	S37 39.6 E144 50.5	240/---	40	0/0	H
ATS ROUTE Q31 O/W					
1 YCWA AD	S22 58.0 E118 48.8	---/172			
3 MOPET	S23 22.9 E118 52.0	172/192	25	0/0	H
2 WILTO	S25 30.4 E118 17.8	193/195	131	0/0	H
3 BELEL	S26 28.1 E117 59.5	195/195	60	0/0	H
2 CHARL	S27 52.6 E117 32.1	196/196	88	0/0	H
1 REVOP	S30 33.2 E116 37.9	197/---	167	0/0	H
ATS ROUTE Q32 O/W					
1 GTH VOR	S34 15.0 E146 03.9	---/257			
2 MTP VOR	S34 08.1 E135 20.4	267/267	534	0/0	H
2 FAGIN	S33 53.1 E131 30.0	271/271	192	0/0	H
2 FILET	S33 32.9 E128 00.0	274/274	176	0/0	H
2 FLAKE	S33 10.9 E125 00.0	277/277	152	0/0	H
1 DUNDA	S32 42.9 E121 52.0	280/276	161	0/0	H
1 GRABL	S32 20.2 E118 36.4	279/---	167	0/0	H
ATS ROUTE Q36 O/W					
3 PULOL	S24 27.3 E136 45.7	---/253			
1 ANGAS	S25 08.0 E132 26.4	256/---	239	0/0	H
ATS ROUTE Q39 O/W					
2 ELLAS	S29 00.5 E156 41.7	---/290			
1 GATER	S28 26.9 E155 41.1	290/290	63	0/0	H
2 SAVER	S27 31.2 E154 03.6	292/---	103	0/0	H
ATS ROUTE Q41 O/W					
2 AYE NDB	S25 10.4 E130 58.5	---/230			
2 KATAR	S26 23.7 E129 04.4	231/231	126	0/0	H
3 BUNNY	S27 32.8 E127 12.2	233/233	122	0/0	H
4 BOBET	S29 00.8 E124 42.2	235/235	159	0/0	H
3 KG VOR	S30 47.4 E121 27.2	238/237	200	0/0	H
2 NALAR	S31 18.6 E120 27.3	238/245	60	0/0	H
1 NRB NDB	S32 04.3 E118 23.7	248/245	115	0/0	H
1 HAMTN	S32 21.8 E117 39.4	246/---	41	0/0	H
ATS ROUTE Q53 O/W					
1 VENEL	S33 28.4 E143 46.4	---/232			
3 MIA VOR	S34 13.6 E142 05.2	233/239	96	0/0	H
3 WOONA	S34 44.1 E140 32.0	240/---	83	0/0	H
ATS ROUTE Q60 O/W					
1 WG VOR	S35 09.9 E147 28.1	---/264			
1 TOBOB	S34 56.0 E145 04.8	267/267	118	0/0	H
3 MAXEM	S34 38.1 E142 33.3	269/256	126	0/0	H
3 WOONA	S34 44.1 E140 32.0	258/258	100	0/0	H
1 BLACK	S34 46.6 E139 24.7	259/---	55	0/0	H
ATS ROUTE Q64 O/W					
2 LOAFA	S25 02.1 E152 06.6	---/304			
1 GEESE	S24 03.6 E151 00.4	305/---	84	0/0	H
ATS ROUTE Q65 O/W					
1 YGGE AD	S28 45.9 E116 58.3	---/209			
1 YKAR AD	S29 13.0 E116 41.2	209/177	31	0/0	B
2 BIU VOR	S30 35.6 E116 46.8	177/---	83	0/0	B
ATS ROUTE Q67 O/W					
4 BRM NDB	S17 56.8 E122 14.1	---/211			
1 GORDN	S18 21.8 E121 57.0	211/199	30	0/0	B
2 DONDI	S19 49.0 E121 20.9	199/199	93	0/0	B
4 NWN VOR	S23 25.3 E119 48.2	200/199	232	0/0	B
3 OPALL	S26 34.7 E118 27.1	201/201	203	0/0	H
2 WEEDA	S27 54.9 E117 51.4	201/201	86	0/0	H
1 DALWU	S30 14.7 E116 46.7	203/203	150	0/0	H
1 REVOP	S30 33.2 E116 37.9	203/199	20	0/0	H
1 HINDS	S30 47.7 E116 32.3	199/199	15	0/0	H
1 CALIG	S31 02.0 E116 26.7	200/200	15	0/0	H
2 JULIM	S31 25.0 E116 17.6	200/210	24	0/0	H
1 WOORA	S31 45.2 E116 04.7	210/209	23	0/0	H
1 PH VOR	S31 56.7 E115 57.6	209/---	13	0/0	H
ATS ROUTE Q69 O/W					
3 CG VOR	S28 10.1 E153 30.2	---/348			
1 ITIDE	S26 44.1 E153 29.4	349/280	86	0/0	H
1 SU VOR	S26 35.9 E153 05.4	280/---	23	0/0	H

Chart Depiction. The following waypoint numbering is indicative of the presentation on Charts

1 NIL **2** ▲ **3** △ **4** ◮ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE Q73 O/W					
5 TEF NDB	S21 42.7 E122 12.8	---/198			
2 WELLS	S25 00.0 E120 53.9	199/199	210	0/0	H
3 WLU NDB	S26 37.5 E120 13.2	199/208	104	0/0	H
2 CAMEL	S29 12.1 E118 31.6	210/---	179	0/0	H
ATS ROUTE Q74 O/W					
1 ITIDE	S26 44.1 E153 29.4	---/310			
1 CORAL	S26 32.9 E153 19.2	310/321	14	0/0	H
1 MYB NDB	S25 31.2 E152 42.6	322/---	70	0/0	H
ATS ROUTE Q78 O/W					
2 ADMAR	S30 19.4 E151 54.7	---/181			
2 COOPA	S31 47.9 E151 31.9	181/185	90	0/0	H
2 SGT NDB	S32 33.1 E151 15.5	185/---	47	0/0	H
ATS ROUTE Q93 O/W					
1 MULET	S26 25.9 E155 44.0	---/222			
2 SAVER	S27 31.2 E154 03.6	223/---	111	0/0	H
ATS ROUTE Q94 O/W					
1 SU VOR	S26 35.9 E153 05.4	---/122			
1 MOOLO	S26 49.5 E153 21.8	122/171	20	0/0	H
1 MUDDL	S27 22.3 E153 20.8	170/196	33	0/0	H
3 LAV VOR	S28 05.4 E152 55.5	196/206	49	0/0	H
1 ISKIM	S29 30.9 E151 39.8	207/207	108	0/0	H
3 GIZMO	S32 17.2 E149 04.2	208/208	213	0/0	H
2 PKS VOR	S33 07.9 E148 14.2	209/206	66	0/0	H
3 POLSO	S35 46.8 E145 41.8	208/208	203	0/0	H
1 CANTY	S36 48.4 E144 39.1	209/---	80	0/0	H
ATS ROUTE Q116 O/W					
1 LAV VOR	S28 05.4 E152 55.5	---/222			
3 SOTGU	S28 22.8 E152 29.1	222/221	29	0/0	B
3 BOBOP	S28 55.9 E151 40.8	221/222	54	0/0	B
2 TAXEG	S29 13.4 E151 14.2	222/222	29	0/0	B
2 VIGUT	S29 29.6 E150 49.2	223/215	27	0/0	B
2 NBR NDB	S30 19.2 E149 49.9	215/---	71	0/0	B
ATS ROUTE Q158 O/W					
3 ML VOR	S37 39.6 E144 50.5	---/263			
3 CRENA	S37 16.4 E140 04.9	268/271	229	0/0	H
1 KROWS	S36 49.9 E137 15.7	274/274	138	0/0	H
2 CANDY	S36 25.5 E135 00.0	276/274	112	0/0	H
2 CLAMY	S35 51.2 E131 30.0	277/277	173	0/0	H
2 COBEL	S35 10.1 E128 00.0	281/281	176	0/0	H
2 CRICK	S34 29.5 E125 00.0	284/284	154	0/0	H
3 ESP VOR	S33 40.8 E121 49.4	287/289	166	0/0	H
1 KATHI	S32 59.4 E119 34.2	291/291	121	0/0	B
1 HAMTN	S32 21.8 E117 39.4	293/287	104	0/0	B
2 BEVLY	S32 10.8 E116 54.0	287/287	40	0/0	B
1 PH VOR	S31 56.7 E115 57.6	288/---	50	0/0	B
ATS ROUTE Q165 O/W					
2 HACHI	S28 13.3 E149 23.2	---/332			
2 ROM NDB	S26 32.6 E148 46.9	333/336	106	0/0	H
1 VOMPA	S19 48.4 E146 54.3	338/338	416	0/0	H
3 TL VOR	S19 14.7 E146 45.5	339/---	35	0/0	H
ATS ROUTE Q168 O/W					
1 KEPPA	S36 47.8 E143 58.5	---/300			
2 ROBET	S35 45.4 E142 31.0	302/302	94	0/0	H
1 KABEK	S33 23.3 E139 24.7	305/307	209	0/0	H
4 WR NDB	S31 08.6 E136 48.5	309/---	189	0/0	H
ATS ROUTE Q172 O/W					
1 BOR VOR	S36 23.6 E140 44.5	---/270			
2 SLOOP	S35 30.0 E135 00.0	276/276	285	0/0	H
1 TUNAA	S35 15.0 E133 40.0	277/---	67	0/0	H

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE Q188 O/W					
1 BOR VOR	S36 23.6 E140 44.5	---/259			
2 CANDY	S36 25.5 E135 00.0	265/---	278	0/0	H
ATS ROUTE Q237 O/W					
1 BN VOR	S27 22.0 E153 08.4	---/250			
2 GORDY	S27 25.2 E152 46.2	250/250	20	0/0	B
3 SHANO	S27 28.4 E152 24.0	250/278	20	0/0	B
3 MESED	S27 18.6 E151 51.5	278/278	31	0/0	B
3 MORRO	S26 51.9 E150 23.6	279/272	83	0/0	B
3 ROM NDB	S26 32.6 E148 46.9	273/---	89	0/0	B
ATS ROUTE Q303 O/W					
1 TWB NDB	S27 32.5 E151 54.7	---/337			
3 MESED	S27 18.6 E151 51.5	338/285	14	0/0	B
3 YCCA AD	S26 46.2 E150 37.0	286/---	74	0/0	B
ATS ROUTE Q401 O/W					
3 KAT NDB	S33 42.6 E150 18.0	---/254			
3 CABIG	S33 51.0 E145 28.3	259/259	242	0/0	H
2 UVUPU	S33 50.5 E142 32.9	261/---	146	0/0	H
ATS ROUTE Q421 O/W					
2 MORRO	S26 51.9 E150 23.6	---/327			
2 TAM VOR	S25 48.2 E149 53.8	327/---	69	0/0	B
ATS ROUTE Q473 O/W					
1 IBUNA	S27 03.5 E152 28.5	---/309			
1 HAWKE	S26 28.8 E151 55.7	309/---	45	0/0	H
ATS ROUTE Q499 O/W					
1 VOMPA	S19 48.4 E146 54.3	---/326			
1 FISHY	S17 41.1 E145 48.2	327/327	142	0/0	H
3 BIB VOR	S16 55.0 E145 24.7	327/---	51	0/0	H
ATS ROUTE Q587 O/W					
2 MRW NDB	S29 12.5 E116 01.4	---/357			
2 WOLGO	S27 41.0 E115 55.5	357/357	91	0/0	H
2 PADRY	S23 19.9 E115 39.4	356/356	261	0/0	H
3 JABAL	S21 56.5 E115 34.5	356/356	83	0/0	H
2 SURFF	S18 52.2 E115 24.0	356/356	184	0/0	H
3 AUSGA	S15 02.5 E115 11.4	355/355	229	0/0	H
2 METUM	S14 08.2 E115 08.5	355/---	54	0/0	H
ATS ROUTE R204 T/W					
2 LIDIT	S09 18.0 E142 20.0	173/177	204	16400/16400	
3 HID NDB	S10 35.5 E142 17.6	176/147	77	2600/2600	H
3 ABLOK	S12 43.1 E143 26.4	146/146	144	3700/3700	B
2 KIMMI	S14 38.8 E144 30.1	145/145	131	4200/4200	B
1 DREWS	S16 07.0 E145 19.6	145/145	100	6000/6000	B
3 CS VOR	S16 51.0 E145 44.6	144/---	50	6000/6000	B
ATS ROUTE R206 T/W					
4 XMX VOR	S10 25.8 E105 41.4	196/130	114	0/0	
4 ATMAL	S12 00.0 E107 35.5	129/129	146	2300/2300	H
2 LATOX	S13 26.9 E109 23.3	128/128	136	1500/1500	H
2 METAB	S15 01.5 E111 23.1	128/128	150	1500/1500	H
2 SAKTO	S18 59.7 E116 40.4	126/126	386	1500/1500	H
2 PD VOR	S20 22.7 E118 37.4	125/---	138	2100/1600	H
ATS ROUTE R210 T/W					
3 CS VOR	S16 51.0 E145 44.6	---/004			
1 ZANEY	S16 01.7 E145 54.7	004/004	50	3500/5900	H
2 PUPEB	S14 23.3 E146 14.6	004/004	100	3500/5900	H
4 KAPSO	S12 00.0 E146 43.0	004/005	145	1500/1500	H
ATS ROUTE R212 T/W					
4 PIBED	S05 20.2 E090 44.0	---/266			

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1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
4 IDEVI	S06 13.0 E083 18.9	269/269	447	1500/1500	H
4 GUDUG	S07 04.6 E075 00.0	272/271	499	1500/1500	H
ATS ROUTE R213 T/W					
2 HOBBO	S12 00.0 E153 09.5	214/214	165	3900/3900	
2 ISPID	S14 10.9 E151 10.7	214/212	174	3900/3900	H
2 WYNOT	S16 15.3 E149 24.3	212/212	161	1500/1500	H
3 TL VOR	S19 14.7 E146 45.5	213/---	234	3200/3100	H
ATS ROUTE R340 T/W					
2 WLG VOR	S30 01.7 E148 07.7	---/312			
3 ONIVI	S28 59.1 E147 13.8	313/314	78	2000/2200	H
2 AKLET	S27 09.2 E145 42.9	315/315	136	2700/2900	H
5 VILOL	S25 57.9 E144 45.8	316/316	88	3000/3000	H
4 TAVEV	S24 15.6 E143 26.6	317/317	125	3000/3000	H
4 SARIK	S22 00.5 E141 45.8	319/319	164	2700/2700	H
4 TASHA	S20 06.7 E140 23.9	320/316	137	3500/3500	H
2 RUVAP	S18 13.3 E138 53.0	317/317	142	3500/3500	H
2 EGORE	S15 21.8 E136 40.1	319/319	213	2700/2700	H
2 DUMAV	S13 56.4 E135 35.7	320/320	105	2500/2500	H
3 IGOPO	S11 56.7 E134 07.1	320/320	147	2900/2900	H
4 GUTEV	S08 04.4 E131 19.6	322/322	284	3500/3500	H
ATS ROUTE R346 T/W					
2 TOSAS	S12 00.0 E147 05.9	176/176	73	1500/1500	
4 BENKI	S14 00.0 E147 00.4	176/176	120	1500/1500	H
3 EKOKU	S16 18.0 E146 53.9	175/175	138	1500/1500	H
1 SWALO	S17 47.2 E146 49.7	175/175	89	5300/1500	H
1 SWIFT	S18 21.2 E146 48.0	175/175	34	5300/1500	H
3 TL VOR	S19 14.7 E146 45.5	175/---	53	5200/3200	H
ATS ROUTE R348 T/W					
4 KADAP	S02 00.0 E084 09.6	---/249			
2 KAMUN	S03 30.3 E080 53.5	250/250	216	1500/1500	H
4 LATEP	S06 10.3 E075 00.0	253/253	387	1500/1500	H
ATS ROUTE R587 T/W					
3 BN VOR	S27 22.0 E153 08.4	---/048			
1 HARVS	S25 43.0 E156 04.0	046/046	186	2300/3600	H
2 GUXIB	S23 38.1 E159 30.8	044/044	226	1500/1500	H
4 MEPAB	S21 22.8 E163 00.0	043/043	236	1500/1500	H
ATS ROUTE R592 T/W					
4 PUPIT	S12 00.0 E115 09.0	179/179	44	0/0	
2 METUM	S14 08.2 E115 08.5	179/---	128	1500/1500	H
ATS ROUTE T8 T/W					
3 AY VOR	S36 04.1 E146 58.0	---/243			
3 WYMER	S36 52.3 E142 55.4	247/249	201	0/0	H
3 CRENA	S37 16.4 E140 04.9	252/252	139	0/0	H
1 BUNGY	S37 29.1 E138 19.8	253/253	85	0/0	H
2 SUBUM	S37 48.7 E135 00.0	257/255	160	0/0	H
4 TEKUP	S38 15.4 E130 00.0	261/---	238	0/0	H
ATS ROUTE T11 T/W					
2 ROM NDB	S26 32.6 E148 46.9	---/269			
4 VILOL	S25 57.9 E144 45.8	272/272	219	0/0	H
4 NONET	S25 20.4 E141 08.9	274/274	200	0/0	H
2 MITTS	S24 39.0 E137 40.3	277/277	194	0/0	H
3 PULOL	S24 27.3 E136 45.7	278/278	51	0/0	H
2 AS VOR	S23 47.6 E133 52.7	280/291	163	0/0	H
2 LEESA	S22 08.0 E130 18.5	293/293	221	0/0	H
2 VIPOX	S20 05.0 E126 12.9	296/296	260	0/0	H
5 CESCI	S19 22.3 E124 51.6	296/296	88	0/0	H
4 BRM NDB	S17 56.8 E122 14.1	298/---	172	0/0	H
ATS ROUTE T12 T/W					
1 PH VOR	S31 56.7 E115 57.6	---/283			
1 WAVES	S31 52.2 E115 31.7	283/287	22	0/0	H
1 SAILS	S31 48.7 E115 16.3	287/283	14	0/0	H
1 BRIGG	S31 45.0 E114 54.5	283/283	19	0/0	H
2 KEELS	S31 28.6 E113 22.7	285/341	80	0/0	H
4 MERIB	S30 04.0 E112 45.1	341/342	90	0/0	H
2 NUNLA	S25 45.2 E111 00.9	342/342	274	0/0	H
2 BITAN	S19 22.1 E108 40.3	342/342	403	0/0	H
2 NODAB	S13 21.6 E106 38.3	342/342	378	0/0	H
4 XMX VOR	S10 25.8 E105 41.4	342/---	184	0/0	H
ATS ROUTE T13 T/W					
2 NTN NDB	S17 41.7 E141 04.4	---/127			
2 DOLIB	S20 33.4 E144 25.0	124/124	256	0/0	H
2 EML NDB	S23 34.0 E148 10.3	121/---	276	0/0	H
ATS ROUTE T20 T/W					
3 AD VOR	S34 56.8 E138 31.5	---/307			
1 ARS VOR	S34 25.0 E137 53.6	308/306	45	0/0	H
2 AKDAV	S33 01.8 E136 12.2	308/308	119	0/0	H
4 RUSAD	S30 49.2 E133 40.4	311/311	185	0/0	H
5 ISMOR	S28 30.2 E131 11.8	313/313	190	0/0	H
4 WENER	S26 15.8 E128 56.8	315/318	180	0/0	H
3 CELIA	S24 22.3 E127 19.4	319/319	143	0/0	H
2 ENPIT	S23 22.0 E126 29.3	320/320	76	0/0	H
2 POTIP	S21 41.6 E125 08.0	320/320	125	0/0	H
4 BRM NDB	S17 56.8 E122 14.1	322/---	278	0/0	H
ATS ROUTE T21 T/W					
2 PD VOR	S20 22.7 E118 37.4	---/122			
5 KADUN	S22 21.0 E121 51.1	120/120	216	0/0	H
4 NONAX	S23 31.3 E123 52.1	119/119	132	0/0	H
4 WENER	S26 15.8 E128 56.8	116/116	322	0/0	H
3 PUGUT	S27 43.0 E131 53.2	113/113	180	0/0	H
2 VIRUV	S28 57.1 E134 33.5	111/111	160	0/0	H
5 CARTS	S29 41.3 E136 14.4	110/110	99	0/0	H
2 LEC VOR	S30 35.8 E138 25.7	108/---	126	0/0	H
ATS ROUTE T25 T/W					
2 BHI VOR	S32 00.0 E141 28.8	---/319			
3 SAPED	S31 21.1 E141 00.4	320/320	46	0/0	H
4 GUGAB	S29 41.1 E139 50.0	321/324	117	0/0	H
2 POLEV	S26 55.2 E138 10.2	326/326	187	0/0	H
3 PULOL	S24 27.3 E136 45.7	327/327	166	0/0	H
3 ANZAC	S22 44.8 E135 49.4	328/328	114	0/0	H
2 YUSEF	S21 25.9 E135 07.2	329/329	88	0/0	H
4 TNK VOR	S19 38.1 E134 10.9	329/---	120	0/0	H
ATS ROUTE T27 T/W					
2 KU VOR	S15 46.5 E128 42.5	---/222			
2 MOCHO	S18 43.7 E125 34.0	223/223	252	0/0	H
2 RASKY	S20 50.8 E123 12.4	224/224	184	0/0	H
5 TEF NDB	S21 42.7 E122 12.8	225/---	76	0/0	H
ATS ROUTE T28 T/W					
3 ARG VOR	S16 37.9 E128 26.9	---/229			
2 MOCHO	S18 43.7 E125 34.0	230/---	207	0/0	H
ATS ROUTE T29 T/W					
4 WR NDB	S31 08.6 E136 48.5	---/311			
2 VIRUV	S28 57.1 E134 33.5	313/313	176	0/0	H
3 ARENI	S26 55.8 E132 35.9	315/315	160	0/0	H
2 AYE NDB	S25 10.4 E130 58.5	316/314	137	0/0	H
2 SCHEE	S22 59.1 E128 52.1	315/315	175	0/0	H
2 VIPOX	S20 05.0 E126 12.9	317/315	228	0/0	H
2 CIN VOR	S17 35.3 E123 51.1	316/---	201	0/0	H
ATS ROUTE T33 T/W					
2 LEC VOR	S30 35.8 E138 25.7	---/078			
3 EVIEC	S30 21.3 E141 19.4	075/075	151	0/0	H
4 MACLA	S30 10.4 E143 07.4	074/074	94	0/0	H
5 SAMMY	S29 53.6 E145 29.1	072/077	124	0/0	H

Chart Depiction. The following waypoint numbering is indicative of the presentation on Charts

1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
2 BALLS	S29 47.6 E147 06.3	076/075	85	0/0	H
2 RACHL	S29 32.2 E150 08.8	073/075	160	0/0	H
3 VIGUT	S29 29.6 E150 49.2	075/---	35	0/0	H
ATS ROUTE T41 T/W					
2 LM VOR	S22 14.1 E114 05.7	---/298			
3 MERME	S21 17.7 E112 15.3	299/299	117	0/0	H
4 AGSEL	S19 55.5 E109 41.0	300/300	166	0/0	H
2 VERIS	S17 16.2 E105 00.0	302/302	310	0/0	H
2 POROR	S13 34.8 E098 58.8	305/305	413	0/0	H
2 CC VOR	S12 12.0 E096 50.5	306/300	150	0/0	H
2 BEBIM	S10 38.7 E093 50.1	301/301	200	0/0	H
4 RISMI	S07 07.9 E087 20.1	303/303	439	0/0	H
3 KAMUN	S03 30.3 E080 53.5	304/299	442	0/0	H
2 SABEK	S02 08.5 E077 53.6	299/---	198	0/0	H
ATS ROUTE T44 T/W					
2 AYE NDB	S25 10.4 E130 58.5	---/278			
3 CELIA	S24 22.3 E127 19.4	281/281	205	0/0	H
4 NONAX	S23 31.3 E123 52.1	283/---	197	0/0	H
ATS ROUTE T47 T/W					
2 AYE NDB	S25 10.4 E130 58.5	---/033			
1 WINAL	S24 41.8 E131 22.4	033/---	36	0/0	B
ATS ROUTE T53 T/W					
4 MISLY	S30 49.7 E155 53.5	---/308			
1 LAROS	S29 28.9 E154 39.7	310/310	103	0/0	H
3 CG VOR	S28 10.1 E153 30.2	311/---	99	0/0	H
ATS ROUTE T55 T/W					
1 YHBA AD	S25 19.1 E152 52.8	---/141			
1 LEEFL	S25 45.7 E153 09.2	140/152	30	2200/3800	H
1 ITIDE	S26 44.1 E153 29.4	152/---	61	2900/3400	H
ATS ROUTE T58 T/W					
4 SAPDA	S12 00.0 E111 25.6	---/159			
2 SOPAT	S16 16.6 E113 00.5	159/159	272	1500/1500	H
2 TIPAM	S19 30.0 E114 14.9	159/152	205	1500/1500	H
3 JABAL	S21 56.5 E115 34.5	152/152	164	5500/5500	H
2 COBRA	S24 06.6 E116 47.8	151/---	146	5500/5500	H
ATS ROUTE T63 T/W					
2 BIDAP	S24 24.1 E123 14.7	---/031			
5 NONAX	S23 31.3 E123 52.1	030/030	63	0/0	H
2 POTIP	S21 41.6 E125 08.0	030/030	130	0/0	H
3 JUGGL	S20 55.0 E125 39.5	029/029	55	0/0	H
3 VIPOX	S20 05.0 E126 12.9	029/029	59	0/0	H
3 TATUK	S19 25.8 E126 38.8	029/029	46	0/0	H
4 DOPUK	S18 14.6 E127 25.1	029/029	83	0/0	H
3 ARG VOR	S16 37.9 E128 26.9	028/---	113	0/0	H
ATS ROUTE T65 T/W					
3 POD NDB	S38 18.9 E141 28.4	---/257			
2 VETAL	S38 25.3 E135 00.0	264/264	305	0/0	H
4 TEKUP	S38 15.4 E130 00.0	270/---	236	0/0	H
ATS ROUTE T74 T/W					
4 TN VOR	S14 31.2 E132 22.3	---/140			
4 MILIV	S16 33.1 E133 54.1	139/139	150	0/0	H
2 DOTAP	S20 09.3 E136 43.4	137/137	269	0/0	H
2 VINAX	S21 35.3 E137 53.5	137/136	108	0/0	H
4 NONET	S25 20.4 E141 08.9	133/133	287	0/0	H
4 KARAG	S29 00.0 E144 35.7	130/130	286	0/0	H
2 NYN NDB	S31 33.1 E147 11.7	127/---	204	0/0	H
ATS ROUTE T77 T/W					
1 BLACK	S34 46.6 E139 24.7	---/063			
2 UVUPU	S33 50.5 E142 32.9	060/061	166	0/0	H
1 VENEL	S33 28.4 E143 46.4	060/048	65	0/0	H
2 NYN NDB	S31 33.1 E147 11.7	045/---	208	0/0	H
ATS ROUTE T81 T/W					
2 BIB VOR	S16 55.0 E145 24.7	---/164			
1 NORMA	S17 39.8 E145 32.3	164/164	45	0/0	H
2 MORGA	S18 16.8 E145 38.6	164/164	37	0/0	H
3 BOXER	S22 06.3 E146 18.8	162/---	232	0/0	H
ATS ROUTE T85 T/W					
2 AS VOR	S23 47.6 E133 52.7	---/274			
2 SCHEE	S22 59.1 E128 52.1	277/277	281	0/0	H
2 NASTI	S22 25.1 E125 42.9	279/279	178	0/0	H
4 TEF NDB	S21 42.7 E122 12.8	281/278	200	0/0	H
2 RAFFY	S21 15.3 E119 35.7	279/279	149	0/0	H
2 KA VOR	S20 42.9 E116 46.4	281/---	162	0/0	H
ATS ROUTE T97 T/W					
2 MTP VOR	S34 08.1 E135 20.4	---/276			
2 DANVA	S33 21.4 E131 30.0	280/280	198	0/0	H
2 IVPEM	S32 31.6 E128 00.0	283/282	184	0/0	H
2 MALLY	S31 46.9 E125 00.0	285/285	159	0/0	H
3 KG VOR	S30 47.4 E121 27.2	288/---	192	0/0	H
ATS ROUTE T131 T/W					
3 BOR VOR	S36 23.6 E140 44.5	---/251			
1 KROWS	S36 49.9 E137 15.7	254/255	170	0/0	H
2 RUFLE	S37 01.9 E135 00.0	258/260	109	0/0	H
2 VIBUX	S37 10.2 E130 00.0	265/---	240	0/0	H
ATS ROUTE T134 T/W					
4 GEMAC	S38 13.4 E150 19.5	---/253			
3 POD NDB	S38 18.9 E141 28.4	262/263	418	0/0	H
2 SUBUM	S37 48.7 E135 00.0	271/271	308	0/0	H
2 VIBUX	S37 10.2 E130 00.0	276/276	242	0/0	H
4 TAPAX	S36 18.3 E125 00.0	282/---	247	0/0	H
ATS ROUTE T139 T/W					
1 TOBOB	S34 56.0 E145 04.8	---/353			
3 KADUV	S32 01.6 E145 19.1	354/354	175	0/0	H
2 VIMAB	S31 30.9 E145 21.5	354/354	31	0/0	H
4 COORS	S29 00.0 E145 33.1	354/354	151	0/0	H
3 CMU VOR	S28 02.3 E145 37.4	355/356	58	0/0	H
3 AKLET	S27 09.2 E145 42.9	356/356	53	0/0	H
2 OMUBI	S23 38.3 E146 04.1	357/000	211	0/0	H
3 BOXER	S22 06.3 E146 18.8	000/000	93	0/0	H
3 TL VOR	S19 14.7 E146 45.5	001/---	173	0/0	H
ATS ROUTE UH201 O/W					
2 WLG VOR	S30 01.7 E148 07.7	---/121			
2 NANDY	S30 47.2 E149 07.7	120/120	69	5600/0	H
3 SCO NDB	S32 02.1 E150 49.9	118/---	115	5600/0	H
ATS ROUTE UH205 O/W					
3 GTH VOR	S34 15.0 E146 03.9	---/090			
1 CULIN	S34 44.4 E149 23.4	087/---	167	5300/0	H
ATS ROUTE UH206 O/W					
2 MDG VOR	S32 33.7 E149 35.6	---/337			
2 SGE NDB	S28 02.8 E148 35.8	339/---	275	5400/0	H
ATS ROUTE UH209 O/W					
1 NBR NDB	S30 19.2 E149 49.9	---/143			
3 SCO NDB	S32 02.1 E150 49.9	141/---	115	5600/0	H
ATS ROUTE UH226 O/W					
3 RIC NDB	S33 35.8 E150 46.6	---/291			
2 NYN NDB	S31 33.1 E147 11.7	294/---	219	5500/0	H

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1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE UH258 O/W					
2 LHI NDB	S31 31.7 E159 04.4	---/230			
2 GOOMA	S33 09.6 E155 03.0	232/232	227	4500/0	H
1 SHARK	S34 04.9 E152 33.9	234/---	136	1500/0	H
ATS ROUTE UH336 O/W					
1 KEPPA	S36 47.8 E143 58.5	---/331			
3 NATYA	S34 58.1 E143 14.0	332/---	115	4500/0	H
ATS ROUTE UH402 O/W					
2 SETER	S24 42.9 E154 16.1	---/184			
1 LUCAS	S26 41.5 E153 41.4	184/205	122	3600/0	H
3 BN VOR	S27 22.0 E153 08.4	205/---	50	3600/0	H
ATS ROUTE UH408 O/W					
3 CG VOR	S28 10.1 E153 30.2	---/218			
1 APAGI	S28 50.9 E152 35.1	219/219	63	5300/0	H
1 ISKIM	S29 30.9 E151 39.8	219/232	63	6500/0	H
3 NBR NDB	S30 19.2 E149 49.9	233/230	107	6500/0	H
3 DOXIE	S31 08.3 E148 06.1	231/231	102	2900/0	H
2 NYN NDB	S31 33.1 E147 11.7	232/---	53	2900/0	H
ATS ROUTE UJ327 T/W					
2 ISTEM	S24 35.9 E160 23.0	---/200			
4 MISLY	S30 49.7 E155 53.5	201/193	443	0/0	H
2 GORDO	S32 32.7 E154 55.1	193/193	114	0/0	H
2 KEBAB	S33 16.3 E154 29.6	193/193	49	0/0	H
4 WARTY	S33 54.4 E154 06.9	193/---	42	0/0	H
ATS ROUTE UQ205 O/W					
1 TAREX	S37 18.4 E145 54.9	---/216			
1 COLDS	S37 42.7 E145 21.0	216/---	36	0/0	H
ATS ROUTE UQ215 O/W					
1 CB VOR	S35 16.9 E149 11.7	---/210			
3 TANTA	S35 52.8 E148 31.9	210/---	48	0/0	H
ATS ROUTE UQ324 O/W					
1 TOBOB	S34 56.0 E145 04.8	---/180			
1 CANTY	S36 48.4 E144 39.1	180/---	114	0/0	H
ATS ROUTE UQ440 O/W					
3 WIZZA	S27 40.4 E153 02.9	---/235			
1 HARDD	S27 46.2 E152 48.4	235/235	14	0/0	H
1 CLEOS	S27 58.4 E152 17.6	235/---	30	0/0	H
ATS ROUTE UQ493 O/W					
1 CAPRI	S22 16.0 E150 11.4	---/310			
1 PROBO	S22 00.5 E149 57.1	310/---	20	0/0	H
ATS ROUTE UY87 O/W					
1 MEMUP	S33 45.2 E120 52.5	---/128			
4 TAPAX	S36 18.3 E125 00.0	124/---	254	0/0	H
ATS ROUTE UY93 O/W					
1 HERMA	S24 00.8 E132 48.8	---/061			
1 LISZT	S23 40.0 E133 38.6	061/115	50	0/0	B
2 AS VOR	S23 47.6 E133 52.7	115/---	15	0/0	B
ATS ROUTE UY327 O/W					
1 NOLAN	S40 39.5 E147 11.9	---/010			
1 MAKRL	S38 29.9 E148 25.5	010/---	141	0/0	H
ATS ROUTE UY409 O/W					
2 EML NDB	S23 34.0 E148 10.3	---/118			
1 EAGLE	S25 44.7 E151 29.5	115/---	223	0/0	H

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE UY495 O/W					
3 PN VOR	S20 29.8 E148 33.2	---/150			
3 NITTA	S21 42.6 E149 04.0	150/150	78	5600/0	H
3 MAGRA	S22 25.6 E149 22.5	149/149	46	0/0	H
2 COCKA	S23 02.5 E149 38.5	149/---	40	0/0	H
ATS ROUTE V15 O/W					
1 STURT	S28 43.4 E117 57.8	---/351			
3 MOG NDB	S28 03.8 E117 50.6	350/---	40	3600/0	L
ATS ROUTE V16 O/W					
4 NWN VOR	S23 25.3 E119 48.2	---/198			
3 JILGO	S25 00.0 E119 10.9	199/199	100	4300/0	L
2 MEK VOR	S26 36.4 E118 32.0	199/202	102	4300/0	L
3 MOG NDB	S28 03.8 E117 50.6	203/200	95	3200/0	L
1 BIU VOR	S30 35.6 E116 46.8	201/200	161	3600/0	L
1 MOROK	S31 05.6 E116 34.5	201/201	32	3000/0	L
2 CONNI	S31 29.1 E116 24.7	201/228	25	3000/0	L
1 WOORA	S31 45.2 E116 04.7	228/---	23	3000/0	L
ATS ROUTE V17 O/W					
2 WIRAL	S27 46.5 E118 27.6	---/003			
2 MEK VOR	S26 36.4 E118 32.0	002/---	70	3600/0	L
ATS ROUTE V20 O/W					
1 CORDO	S34 19.8 E150 47.1	---/203			
3 NERIG	S35 10.7 E150 02.0	204/204	63	6700/0	L
3 COM NDB	S36 21.2 E148 57.5	204/238	88	6700/0	L
2 DARTS	S36 40.4 E147 50.0	239/239	58	8700/0	L
3 ELW VOR	S37 12.4 E145 50.1	240/---	101	8000/0	L
ATS ROUTE V35 LIMITED SEG O/W					
2 WONYU	S24 55.5 E119 44.8	---/000			
4 NWN VOR	S23 25.3 E119 48.2	000/---	90	4900/0	B
ATS ROUTE V99 O/W					
1 BUDGI	S23 46.3 E150 30.3	---/140			
3 GAY NDB	S25 35.7 E151 40.4	139/---	126	4600/0	L
ATS ROUTE V111 O/W					
3 RK VOR	S23 23.0 E150 28.3	---/166			
1 BUDGI	S23 46.3 E150 30.3	166/166	23	3600/0	B
3 TNG NDB	S24 29.6 E150 34.2	166/---	43	3900/0	B
ATS ROUTE V112 O/W					
2 AS VOR	S23 47.6 E133 52.7	---/219			
1 ANGAS	S25 08.0 E132 26.4	220/263	112	4400/0	B
2 AYE NDB	S25 10.4 E130 58.5	264/---	80	4400/0	B
ATS ROUTE V123 O/W					
3 RK VOR	S23 23.0 E150 28.3	---/145			
3 MILTY	S24 26.6 E151 02.4	144/144	71	4600/0	L
3 GAY NDB	S25 35.7 E151 40.4	143/130	77	4600/0	L
1 MLY VOR	S26 44.7 E152 45.7	129/141	90	4200/0	L
1 GAYLA	S26 55.6 E152 52.2	141/140	12	3700/0	L
1 BURPA	S27 04.4 E152 57.5	140/140	10	3500/0	L
3 BN VOR	S27 22.0 E153 08.4	140/---	20	3500/0	L
ATS ROUTE V126 O/W					
3 ML VOR	S37 39.6 E144 50.5	---/253			
3 YWE VOR	S37 44.3 E143 45.3	254/241	52	3900/0	B
3 POD NDB	S38 18.9 E141 28.4	243/---	114	3000/0	B
ATS ROUTE V129 O/W					
3 BN VOR	S27 22.0 E153 08.4	---/298			
1 HAWKE	S26 28.8 E151 55.7	299/299	84	4200/0	B
3 COOLA	S25 18.0 E150 22.1	300/301	110	3900/0	B
2 EML NDB	S23 34.0 E148 10.3	302/---	159	4500/0	B

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1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE V134 O/W					
3 BN VOR	S27 22.0 E153 08.4	---/346			
1 SU VOR	S26 35.9 E153 05.4	346/312	46	2300/0	L
2 MAGPI	S25 08.9 E151 53.3	313/313	108	3900/0	L
1 GEESE	S24 03.6 E151 00.4	314/314	81	4600/0	L
3 RK VOR	S23 23.0 E150 28.3	315/331	50	4600/0	L
1 PROBO	S22 00.5 E149 57.1	332/310	87	4100/0	L
3 MK VOR	S21 10.4 E149 11.2	311/301	66	3400/0	L
1 CLIFT	S20 36.3 E148 27.5	301/302	53	5100/0	L
2 ALISN	S20 10.3 E147 54.6	302/302	40	5000/0	L
3 TL VOR	S19 14.7 E146 45.5	303/342	86	5500/0	L
1 PEWEE	S17 55.9 E146 30.1	342/342	80	3200/0	L
1 BARIA	S17 12.8 E146 21.8	342/294	44	6700/0	L
3 CS VOR	S16 51.0 E145 44.6	294/---	42	6700/0	L
ATS ROUTE V138 O/W					
1 DU VOR	S32 13.2 E148 34.7	---/136			
3 BIK VOR	S34 10.7 E150 06.4	134/---	140	6000/0	L
ATS ROUTE V147 O/W					
1 AY VOR	S36 04.1 E146 58.0	---/207			
1 DUGGI	S36 35.7 E146 26.8	207/207	40	5300/0	L
3 ELW VOR	S37 12.4 E145 50.1	207/---	47	5300/0	L
ATS ROUTE V153 O/W					
3 CS VOR	S16 51.0 E145 44.6	---/153			
3 IFL NDB	S17 33.7 E146 00.9	153/150	45	6700/0	L
2 SPARO	S18 03.3 E146 13.9	150/150	32	3300/0	L
3 TL VOR	S19 14.7 E146 45.5	149/112	77	5100/0	L
1 WALTA	S19 41.4 E147 35.4	111/111	54	5400/0	L
3 BWN NDB	S20 01.3 E148 12.9	111/134	40	3800/0	L
3 MK VOR	S21 10.4 E149 11.2	133/156	88	4100/0	L
1 POONA	S21 29.8 E149 17.0	156/156	20	3700/0	L
3 MURPH	S22 28.8 E149 35.0	155/129	61	3700/0	L
3 RK VOR	S23 23.0 E150 28.3	128/---	73	4100/0	L
ATS ROUTE V167 O/W					
3 GLA VOR	S23 51.9 E151 12.3	---/144			
2 MAGPI	S25 08.9 E151 53.3	144/144	85	4200/0	L
1 MLY VOR	S26 44.7 E152 45.7	143/---	107	4200/0	L
ATS ROUTE V169 O/W					
3 SY VOR	S33 56.6 E151 10.8	---/208			
1 CORDO	S34 19.8 E150 47.1	208/221	30	3400/0	L
3 EXETA	S34 38.4 E150 16.5	221/221	31	4800/0	L
3 BUNGO	S34 53.5 E149 51.3	222/222	26	4800/0	L
3 CB VOR	S35 16.9 E149 11.7	222/219	40	4800/0	L
1 CRG NDB	S36 08.9 E147 51.7	220/224	83	8200/0	L
1 WAZZA	S36 47.9 E146 37.8	225/225	71	8200/0	L
3 ELW VOR	S37 12.4 E145 50.1	226/222	45	7100/0	L
1 BOYSE	S37 18.2 E145 40.2	222/230	10	5500/0	L
1 ML VOR	S37 39.6 E144 50.5	230/---	45	4900/0	L
ATS ROUTE V173 O/W					
4 MIA VOR	S34 13.6 E142 05.2	---/132			
3 ASWAN	S35 31.1 E143 20.4	131/131	99	2000/0	L
1 CANTY	S36 48.4 E144 39.1	129/---	100	4700/0	L
ATS ROUTE V175 O/W					
1 KSC NDB	S35 42.6 E137 30.8	---/000			
1 GITOP	S35 25.7 E137 33.7	000/051	17	2100/0	L
1 ELROX	S35 15.6 E137 54.0	051/051	19	2100/0	L
3 AD VOR	S34 56.8 E138 31.5	050/---	36	2100/0	L
ATS ROUTE V176 O/W					
1 MK VOR	S21 10.4 E149 11.2	---/285			
1 HARPO	S21 00.4 E148 46.7	285/315	25	5600/0	L
1 CLIFT	S20 36.3 E148 27.5	315/---	30	5600/0	L

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE V179 O/W					
3 BN VOR	S27 22.0 E153 08.4	---/286			
1 WACKO	S27 11.3 E152 45.2	286/287	23	4000/0	B
1 IBUNA	S27 03.5 E152 28.5	287/287	17	4000/0	B
3 TAM VOR	S25 48.2 E149 53.8	289/---	158	5300/0	B
ATS ROUTE V180 O/W					
2 BHI VOR	S32 00.0 E141 28.8	---/100			
3 JACKS	S32 40.4 E143 51.7	098/098	128	3000/0	L
3 LYSMO	S33 10.1 E145 45.4	096/096	100	3300/0	L
3 DERRY	S33 43.3 E148 02.6	094/094	119	6100/0	L
3 BIK VOR	S34 10.7 E150 06.4	092/---	107	6100/0	L
ATS ROUTE V200 O/W					
1 KSC NDB	S35 42.6 E137 30.8	---/112			
2 WOKKA	S36 41.2 E139 40.0	110/110	120	1700/0	L
2 SPIDR	S37 48.3 E142 18.9	107/---	143	5200/0	L
ATS ROUTE V205 O/W					
1 YORKE	S34 54.7 E137 36.8	---/274			
3 LEWIS	S34 45.4 E136 43.0	275/275	45	2300/0	L
1 PLC NDB	S34 36.3 E135 52.4	276/---	43	2200/0	L
ATS ROUTE V211 O/W					
2 TBD VOR	S35 14.6 E139 30.6	---/114			
3 NHL VOR	S36 18.9 E141 38.7	111/---	122	2100/0	L
ATS ROUTE V217 O/W					
1 SU VOR	S26 35.9 E153 05.4	---/200			
1 GAYLA	S26 55.6 E152 52.2	200/---	23	3400/0	L
ATS ROUTE V222 O/W					
1 SHT NDB	S36 25.7 E145 23.8	---/164			
1 LACEY	S37 33.1 E145 30.2	164/---	67	6000/0	L
ATS ROUTE V223 O/W					
4 ML VOR	S37 39.6 E144 50.5	---/282			
3 BURRA	S37 00.5 E143 03.2	285/285	94	4800/0	L
1 HSM NDB	S36 40.3 E142 10.1	286/---	47	4700/0	L
ATS ROUTE V238 O/W					
1 EDN NDB	S34 42.4 E138 37.9	---/273			
1 HAWKY	S34 34.5 E137 51.2	274/---	39	2200/0	L
ATS ROUTE V240 O/W					
3 WWL NDB	S33 56.1 E147 11.4	---/085			
3 TYGON	S34 02.0 E148 16.4	084/084	54	6100/0	L
3 BIK VOR	S34 10.7 E150 06.4	083/---	92	6100/0	L
ATS ROUTE V242 O/W					
3 KG VOR	S30 47.4 E121 27.2	---/255			
4 SCR NDB	S31 13.9 E119 21.4	257/257	111	3200/0	L
1 KELLA	S31 32.9 E117 39.4	259/---	89	3000/0	L
ATS ROUTE V246 O/W					
2 DPO VOR	S41 10.2 E146 26.1	---/333			
3 TASMA	S40 00.0 E146 04.4	334/334	72	1900/0	L
3 WON VOR	S38 28.3 E145 37.4	335/---	94	3800/0	L
ATS ROUTE V255 O/W					
3 AD VOR	S34 56.8 E138 31.5	---/102			
3 TBD VOR	S35 14.6 E139 30.6	101/085	52	3800/0	L
3 SWH NDB	S35 22.8 E143 32.4	081/077	198	2000/0	L
3 WG VOR	S35 09.9 E147 28.1	073/---	193	3600/0	L
ATS ROUTE V259 O/W					
3 MTG VOR	S37 45.1 E140 47.1	---/317			
3 RUVUS	S36 12.6 E139 31.1	318/318	111	2500/0	L

Chart Depiction. The following waypoint numbering is indicative of the presentation on Charts

1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
1 ALEXI	S35 39.0 E139 04.4	319/319	40	3000/0	L
1 ATPIP	S35 27.2 E138 55.1	319/319	14	3100/0	L
3 AD VOR	S34 56.8 E138 31.5	319/---	36	3800/0	L
ATS ROUTE V264 O/W					
3 CS VOR	S16 51.0 E145 44.6	---/129			
1 PAWSO	S17 12.7 E146 06.3	129/165	30	4800/0	L
2 SPARO	S18 03.3 E146 13.9	165/---	51	5200/0	L
ATS ROUTE V279 O/W					
3 POD NDB	S38 18.9 E141 28.4	---/067			
1 STONE	S38 00.6 E143 06.8	065/065	80	2700/0	B
1 WENDY	S37 50.4 E143 58.7	065/064	42	3900/0	B
3 ML VOR	S37 39.6 E144 50.5	064/---	42	3900/0	B
ATS ROUTE V294 O/W					
2 WYY VOR	S41 00.0 E145 43.6	---/345			
2 DIPLO	S40 00.0 E145 41.0	345/346	60	2400/0	L
3 WON VOR	S38 28.3 E145 37.4	346/---	92	2400/0	L
ATS ROUTE V295 O/W					
3 SY VOR	S33 56.6 E151 10.8	---/296			
2 SOFAL	S33 00.1 E149 46.4	297/296	90	5600/0	L
4 DU VOR	S32 13.2 E148 34.7	297/288	77	5600/0	L
2 NYN NDB	S31 33.1 E147 11.7	289/---	81	2600/0	L
ATS ROUTE V300 O/W					
3 GTH VOR	S34 15.0 E146 03.9	---/079			
3 SCAPA	S34 13.7 E148 14.7	077/077	108	6100/0	L
3 BIK VOR	S34 10.7 E150 06.4	075/---	93	6100/0	L
ATS ROUTE V316 O/W					
3 SY VOR	S33 56.6 E151 10.8	---/316			
1 GAZEL	S33 14.8 E150 40.3	317/317	49	5600/0	L
2 SCATZ	S32 39.3 E150 15.3	318/316	41	5600/0	L
5 CBB NDB	S31 19.8 E149 16.2	317/---	94	5600/0	L
ATS ROUTE V324 O/W					
1 SEDAN	S34 34.1 E139 18.5	---/064			
3 MAGOO	S34 19.8 E140 10.9	063/063	46	3400/0	L
3 REN NDB	S34 11.5 E140 40.6	062/---	26	1800/0	L
ATS ROUTE V327 O/W					
3 TAM VOR	S25 48.2 E149 53.8	---/101			
2 ROWLO	S26 08.8 E150 54.9	100/100	59	3500/0	B
1 HAWKE	S26 28.8 E151 55.7	099/099	58	4700/0	B
1 MLY VOR	S26 44.7 E152 45.7	099/---	48	4200/0	L
ATS ROUTE V361 O/W					
3 AD VOR	S34 56.8 E138 31.5	---/052			
1 SEDAN	S34 34.1 E139 18.5	051/074	45	3800/0	L
3 SILVN	S34 27.6 E140 14.8	073/073	47	3400/0	L
4 MIA VOR	S34 13.6 E142 05.2	071/---	92	1800/0	L
ATS ROUTE V376 O/W					
3 ML VOR	S37 39.6 E144 50.5	---/314			
1 OWENS	S37 14.8 E144 29.5	315/315	30	4500/0	L
1 RAVEN	S36 54.6 E144 12.7	315/315	24	4500/0	L
3 CHITT	S36 16.3 E143 41.3	316/316	46	4000/0	L
4 MIA VOR	S34 13.6 E142 05.2	318/---	146	2900/0	L
ATS ROUTE V384 O/W					
3 PAG NDB	S32 31.6 E137 42.1	---/164			
3 MUNDE	S33 32.6 E137 52.9	164/164	62	2800/0	L
1 MARGO	S34 24.8 E138 02.3	164/---	53	2900/0	L
ATS ROUTE V395 O/W					
3 REN NDB	S34 11.5 E140 40.6	---/232			
3 PRICE	S34 24.3 E140 13.3	232/232	26	1800/0	L
1 BLACK	S34 46.6 E139 24.7	233/---	46	3200/0	L
ATS ROUTE V410 O/W					
3 WG VOR	S35 09.9 E147 28.1	---/201			
3 ELW VOR	S37 12.4 E145 50.1	202/---	146	7300/0	L
ATS ROUTE V411 O/W					
1 RAVEN	S36 54.6 E144 12.7	---/338			
1 YKER AD	S35 45.1 E143 56.4	339/---	71	4000/0	L
ATS ROUTE V432 O/W					
3 ACTIN	S33 30.2 E138 01.6	---/172			
1 MARGO	S34 24.8 E138 02.3	171/---	55	4600/0	L
ATS ROUTE V434 O/W					
2 ESL NDB	S38 06.7 E147 09.6	---/270			
2 DUNNE	S37 55.0 E146 07.2	272/271	51	6600/0	L
1 PLE NDB	S37 43.2 E145 06.7	272/---	49	6600/0	L
ATS ROUTE V454 O/W					
4 MIA VOR	S34 13.6 E142 05.2	---/246			
3 TUMAN	S34 36.2 E140 17.8	247/248	92	2200/0	L
1 BLACK	S34 46.6 E139 24.7	248/248	45	3400/0	L
3 AD VOR	S34 56.8 E138 31.5	249/---	45	3800/0	L
ATS ROUTE V496 O/W					
1 RAVEN	S36 54.6 E144 12.7	---/329			
3 SWH NDB	S35 22.8 E143 32.4	330/---	97	4000/0	L
ATS ROUTE V501 O/W					
1 CORDO	S34 19.8 E150 47.1	---/186			
3 NWA NDB	S34 57.1 E150 31.8	186/---	39	5400/0	L
ATS ROUTE V504 O/W					
3 AD VOR	S34 56.8 E138 31.5	---/219			
1 EEMUE	S35 21.3 E137 59.2	219/219	36	2200/0	L
1 KSC NDB	S35 42.6 E137 30.8	220/---	31	2100/0	L
ATS ROUTE V512 O/W					
1 COLDS	S37 42.7 E145 21.0	---/255			
1 PLE NDB	S37 43.2 E145 06.7	256/256	11	5000/0	L
1 EN NDB	S37 43.6 E144 54.7	256/---	10	2100/0	L
ATS ROUTE V527 O/W					
3 PN VOR	S20 29.8 E148 33.2	---/290			
2 ALISN	S20 10.3 E147 54.6	290/---	41	5000/0	L
ATS ROUTE V559 O/W					
3 GOOTA	S22 01.6 E118 19.3	---/204			
2 PBO VOR	S23 10.4 E117 44.2	204/---	76	5500/0	L
ATS ROUTE V588 O/W					
3 LTV NDB	S38 12.2 E146 28.5	---/280			
3 MOZZA	S38 04.9 E146 05.9	280/282	19	3000/0	L
1 HARRO	S37 47.0 E145 16.8	283/283	43	4500/0	L
1 PLE NDB	S37 43.2 E145 06.7	283/---	9	3600/0	L
ATS ROUTE V599 O/W					
3 CWR VOR	S33 50.9 E148 38.7	---/082			
1 HOGAN	S33 53.4 E149 34.9	081/081	47	5700/0	L
1 MUSTA	S33 53.8 E149 45.3	081/081	9	6100/0	L
1 WYATT	S33 54.3 E149 56.6	081/080	9	5800/0	L
1 WATLE	S33 55.3 E150 25.2	080/080	24	5800/0	L
3 SY VOR	S33 56.6 E151 10.8	079/---	38	5000/0	L
ATS ROUTE V621 O/W					
3 CDU NDB	S32 07.6 E133 43.6	---/124			
3 SPENA	S34 15.7 E136 54.4	120/120	205	3000/0	L

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1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
1 RIKAB	S34 44.0 E137 39.0	120/---	46	3000/0	L
ATS ROUTE V623 O/W					
1 EDN NDB	S34 42.4 E138 37.9	---/120			
1 GULLY	S34 47.4 E138 45.6	120/118	8	3300/0	L
3 TBD VOR	S35 14.6 E139 30.6	117/---	46	0/0	L
ATS ROUTE V653 O/W					
2 REMBO	S24 27.4 E117 18.8	---/016			
2 PBO VOR	S23 10.4 E117 44.2	016/009	80	5300/0	L
3 BUTON	S21 24.8 E118 05.1	009/---	107	5500/0	L
ATS ROUTE V707 O/W					
1 PLC NDB	S34 36.3 E135 52.4	---/089			
3 PILBY	S34 40.2 E136 44.0	088/088	43	2200/0	L
1 RIKAB	S34 44.0 E137 39.0	087/---	46	2300/0	L
ATS ROUTE V796 O/W					
1 EDN NDB	S34 42.4 E138 37.9	---/093			
3 PANKI	S34 58.6 E140 21.0	091/---	86	3600/0	L
ATS ROUTE W10 T/W					
3 WOL NDB	S34 33.5 E150 47.5	---/246			
3 EXETA	S34 38.4 E150 16.5	247/247	26	4300/4300	L
3 YAS NDB	S34 49.7 E149 02.5	248/243	62	4500/4500	L
3 WG VOR	S35 09.9 E147 28.1	244/235	80	4600/4600	L
1 YTOC AD	S35 48.6 E145 36.2	236/---	99	3300/3300	L
ATS ROUTE W14 T/W					
1 RTI NDB	S32 00.3 E115 32.7	---/348			
3 JNB VOR	S30 18.8 E115 03.2	347/350	104	2100/2100	L
1 ONGAR	S29 12.0 E114 47.9	350/350	68	2200/2200	L
2 GEL VOR	S28 47.4 E114 42.4	350/347	25	2200/2200	L
3 HAMEL	S26 50.5 E114 10.8	347/347	120	2400/2400	L
2 CAR VOR	S24 52.9 E113 40.4	347/009	120	2400/2400	L
2 LM VOR	S22 14.1 E114 05.7	008/---	160	2100/2100	L
ATS ROUTE W15 T/W					
1 ML VOR	S37 39.6 E144 50.5	---/235			
1 LLOYD	S37 46.6 E144 30.7	235/176	17	2500/2500	L
1 TEMPL	S37 52.6 E144 29.7	176/178	6	2600/2600	L
1 AV VOR	S38 02.9 E144 27.5	178/---	11	2600/2600	L
ATS ROUTE W20 T/W					
1 PH VOR	S31 56.7 E115 57.6	---/197			
1 MANDU	S32 31.4 E115 46.5	197/197	36	2600/2600	L
1 BLN NDB	S33 41.5 E115 23.7	198/---	73	2700/2700	L
ATS ROUTE W40 T/W					
4 MRY NDB	S35 53.9 E150 08.6	---/340			
3 NERIG	S35 10.7 E150 02.0	340/351	43	6700/6700	L
3 BIK VOR	S34 10.7 E150 06.4	351/---	60	6700/6700	L
ATS ROUTE W101 T/W					
1 RTI NDB	S32 00.3 E115 32.7	---/082			
1 PH VOR	S31 56.7 E115 57.6	082/---	21	2300/2300	L
ATS ROUTE W105 T/W					
1 SMI NDB	S40 50.0 E145 04.9	---/096			
2 WYY VOR	S41 00.0 E145 43.6	095/095	31	3300/3300	L
2 DPO VOR	S41 10.2 E146 26.1	094/109	34	3700/3700	B
3 LT VOR	S41 32.6 E147 12.8	108/---	42	3400/3400	B
ATS ROUTE W106 T/W					
1 NICLA	S32 03.1 E152 00.3	---/038			
1 PMQ NDB	S31 26.1 E152 52.0	038/338	57	5000/4900	L
1 KMP NDB	S31 03.5 E152 47.4	338/---	23	2500/2500	L
ATS ROUTE W111 T/W					
2 KRY NDB	S26 34.7 E151 50.7	---/176			
2 OK VOR	S27 24.0 E151 44.3	176/---	49	4900/4900	L
ATS ROUTE W112 T/W					
3 HM VOR	S20 21.1 E148 57.4	---/287			
3 BWN NDB	S20 01.3 E148 12.9	287/---	46	4100/4100	B
ATS ROUTE W113 T/W					
3 WG VOR	S35 09.9 E147 28.1	---/055			
1 HAPPI	S34 57.8 E148 01.6	054/054	30	5500/5500	L
3 BIK VOR	S34 10.7 E150 06.4	053/063	113	5500/5500	L
1 WELSH	S34 08.1 E150 18.5	063/063	10	5100/0	L
1 ODALE	S34 05.4 E150 31.1	063/063	11	4000/0	L
3 SY VOR	S33 56.6 E151 10.8	062/---	34	3700/5100	L
ATS ROUTE W114 T/W					
1 JT NDB	S32 06.2 E115 53.2	---/023			
1 PH VOR	S31 56.7 E115 57.6	023/---	10	2300/2300	L
ATS ROUTE W115 T/W					
3 ACTIN	S33 30.2 E138 01.6	---/359			
3 QUORN	S32 21.6 E138 11.1	359/359	69	4600/4600	L
2 LEC VOR	S30 35.8 E138 25.7	359/---	106	5200/5200	L
ATS ROUTE W116 T/W					
1 MANDU	S32 31.4 E115 46.5	---/187			
1 YBUN AD	S33 22.7 E115 40.6	188/---	51	2700/2700	L
ATS ROUTE W117 T/W					
2 NATTY	S31 33.4 E137 08.5	---/318			
4 WR NDB	S31 08.6 E136 48.5	319/---	30	2300/2300	L
ATS ROUTE W118 T/W					
3 AY VOR	S36 04.1 E146 58.0	---/164			
2 ESL NDB	S38 06.7 E147 09.6	163/---	123	7900/7900	L
ATS ROUTE W121 T/W					
4 NWN VOR	S23 25.3 E119 48.2	---/051			
5 TEF NDB	S21 42.7 E122 12.8	050/---	168	4000/4000	B
ATS ROUTE W122 T/W					
3 CB VOR	S35 16.9 E149 11.7	---/022			
3 BIK VOR	S34 10.7 E150 06.4	022/---	80	5100/5100	L
ATS ROUTE W125 T/W					
2 PD VOR	S20 22.7 E118 37.4	---/159			
3 BORAH	S21 57.2 E119 13.5	158/158	100	3300/3300	L
4 NWN VOR	S23 25.3 E119 48.2	158/---	93	4900/4300	L
ATS ROUTE W127 T/W					
1 RTI NDB	S32 00.3 E115 32.7	---/111			
1 JT NDB	S32 06.2 E115 53.2	110/---	18	1600/1600	L
ATS ROUTE W128 T/W					
1 AF NDB	S27 34.2 E153 01.0	---/178			
3 LAV VOR	S28 05.4 E152 55.5	178/192	31	3300/3300	L
3 GBA NDB	S29 35.8 E152 10.7	192/189	98	6300/5900	L
4 MACKA	S30 34.9 E151 45.6	189/189	63	6300/6400	L
3 MSO NDB	S31 23.2 E151 24.7	189/---	51	5900/5900	L
ATS ROUTE W130 T/W					
3 SGT NDB	S32 33.1 E151 15.5	---/334			
3 TW VOR	S31 04.0 E150 49.8	335/---	92	6200/6200	L
ATS ROUTE W137 T/W					
3 CB VOR	S35 16.9 E149 11.7	---/332			
3 YAS NDB	S34 49.7 E149 02.5	332/329	28	4400/4400	B

Chart Depiction. The following waypoint numbering is indicative of the presentation on Charts

1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
3 CWR VOR	S33 50.9 E148 38.7	330/020	62	4100/4100	B
2 MDG VOR	S32 33.7 E149 35.6	020/---	91	6100/6100	B
ATS ROUTE W138 T/W					
1 CORDO	S34 19.8 E150 47.1	---/228			
3 GLB NDB	S34 48.4 E149 44.2	229/211	59	4400/4400	L
3 CB VOR	S35 16.9 E149 11.7	211/---	39	4800/4800	L
ATS ROUTE W139 O/W					
3 SY VOR	S33 56.6 E151 10.8	---/013			
1 KAMBA	S33 29.7 E151 26.0	013/013	30	2500/0	L
1 TOOKI	S33 16.1 E151 33.8	013/013	15	2500/0	L
3 WLM NDB	S32 48.2 E151 49.7	013/012	31	2500/0	L
2 CFS VOR	S30 19.2 E153 07.3	012/---	163	5500/0	L
ATS ROUTE W142 T/W					
3 WHA NDB	S33 03.5 E137 31.5	---/144			
3 COMAC	S33 33.1 E137 51.1	143/143	34	1900/1900	L
1 WAKEN	S34 08.1 E138 14.5	143/143	40	2900/2900	L
1 EDN NDB	S34 42.4 E138 37.9	142/192	39	2900/2800	L
3 AD VOR	S34 56.8 E138 31.5	192/---	15	2200/2200	L
ATS ROUTE W144 T/W					
1 RIC TAC	S33 36.4 E150 47.9	---/179			
3 CN NDB	S34 02.3 E150 41.5	179/176	26	2400/2500	L
1 TONTO	S34 17.6 E150 38.7	176/176	15	3400/3900	L
3 NWA NDB	S34 57.1 E150 31.8	176/---	40	4300/4300	L
ATS ROUTE W148 T/W					
3 WG VOR	S35 09.9 E147 28.1	---/083			
3 CB VOR	S35 16.9 E149 11.7	082/---	85	6500/6200	B
ATS ROUTE W149 T/W					
2 LHI NDB	S31 31.7 E159 04.4	---/243			
2 EKIDA	S31 58.6 E156 46.8	244/244	120	4500/4500	L
2 GOANA	S32 26.5 E154 09.4	246/246	136	1500/1500	L
3 WLM NDB	S32 48.2 E151 49.7	248/---	120	3000/2600	L
ATS ROUTE W154 T/W					
2 PD VOR	S20 22.7 E118 37.4	---/123			
1 YMBL ALA	S21 09.8 E119 50.0	122/102	83	2700/2700	L
4 TEF NDB	S21 42.7 E122 12.8	101/---	137	2900/3100	L
ATS ROUTE W165 T/W					
2 PD VOR	S20 22.7 E118 37.4	---/111			
3 BRIAN	S21 00.3 E120 16.2	110/110	100	2800/2800	B
4 TEF NDB	S21 42.7 E122 12.8	109/---	117	3100/2900	B
ATS ROUTE W168 T/W					
3 CWR VOR	S33 50.9 E148 38.7	---/094			
3 BIK VOR	S34 10.7 E150 06.4	093/---	76	5700/5700	L
ATS ROUTE W169 T/W					
3 LAV VOR	S28 05.4 E152 55.5	---/200			
3 TW VOR	S31 04.0 E150 49.8	201/---	209	6400/6400	L
ATS ROUTE W170 T/W					
3 WLM NDB	S32 48.2 E151 49.7	---/230			
1 LOWEP	S33 04.1 E151 13.8	230/228	34	3500/3500	L
1 MQD NDB	S33 06.7 E151 08.4	228/---	5	3500/3500	L
ATS ROUTE W172 T/W					
1 PH VOR	S31 56.7 E115 57.6	---/155			
1 SOLUS	S32 28.9 E116 16.7	155/155	36	3400/3400	L
2 JOSBU	S33 08.2 E116 40.4	155/155	44	3400/3400	L
1 ABA NDB	S34 57.1 E117 48.6	154/---	123	3800/3400	L
ATS ROUTE W174 T/W					
3 WLM NDB	S32 48.2 E151 49.7	---/321			
3 TIMBO	S32 10.4 E151 27.7	322/322	42	6600/6600	L
3 TW VOR	S31 04.0 E150 49.8	323/271	74	6600/6600	L
3 GDH NDB	S30 57.2 E150 14.9	271/319	31	4500/4500	L
3 NBR NDB	S30 19.2 E149 49.9	320/---	44	3200/3200	L
ATS ROUTE W175 T/W					
3 WBR NDB	S26 07.7 E126 34.8	---/235			
2 SCARR	S27 41.7 E123 39.7	237/237	182	3400/3400	L
2 LEO NDB	S28 52.7 E121 19.2	239/---	143	3300/3300	L
ATS ROUTE W177 T/W					
2 AS VOR	S23 47.6 E133 52.7	---/359			
3 CINDA	S22 47.6 E133 57.1	359/359	60	5000/5300	L
2 DERAK	S21 21.9 E134 03.4	359/359	86	4800/5000	L
4 TNK VOR	S19 38.1 E134 10.9	359/---	104	3700/3700	L
ATS ROUTE W178 T/W					
1 DBY NDB	S17 21.4 E123 40.0	---/140			
2 CIN VOR	S17 35.3 E123 51.1	140/108	17	1800/1800	L
2 FTZ NDB	S18 11.1 E125 33.4	107/128	104	2300/2300	L
3 MILNA	S19 12.0 E126 48.4	127/127	94	3000/3200	L
4 BGO NDB	S20 08.2 E127 59.3	126/---	87	3000/3000	L
ATS ROUTE W180 T/W					
3 CG VOR	S28 10.1 E153 30.2	---/208			
3 GBA NDB	S29 35.8 E152 10.7	208/196	110	5500/5500	L
4 ARM NDB	S30 31.6 E151 36.9	196/180	63	6300/6300	L
3 MSO NDB	S31 23.2 E151 24.7	180/175	52	5900/5900	L
3 SGT NDB	S32 33.1 E151 15.5	174/171	70	6600/6600	L
1 MONDO	S32 56.6 E151 14.2	170/170	23	3600/3600	L
1 LOWEP	S33 04.1 E151 13.8	170/170	8	3600/3600	L
1 YAKKA	S33 11.5 E151 13.4	170/170	7	3600/3600	L
1 CAA NDB	S33 24.2 E151 12.7	170/170	13	2900/2900	L
3 SY VOR	S33 56.6 E151 10.8	170/---	32	2400/2400	L
ATS ROUTE W182 T/W					
2 PLO VOR	S30 29.5 E152 21.6	---/179			
1 NICLA	S32 03.1 E152 00.3	179/179	95	6500/6500	L
3 WLM NDB	S32 48.2 E151 49.7	179/---	46	6500/6500	L
ATS ROUTE W183 T/W					
3 TW VOR	S31 04.0 E150 49.8	---/168			
3 SCO NDB	S32 02.1 E150 49.9	168/---	58	6200/6200	L
ATS ROUTE W184 T/W					
3 YAS NDB	S34 49.7 E149 02.5	---/359			
2 MDG VOR	S32 33.7 E149 35.6	000/---	139	6100/5400	B
ATS ROUTE W185 T/W					
2 MRW NDB	S29 12.5 E116 01.4	---/155			
1 BIU VOR	S30 35.6 E116 46.8	155/160	92	2800/2800	L
3 CUN NDB	S31 37.5 E117 13.4	160/189	66	2700/2700	L
3 PIY NDB	S32 32.4 E117 04.5	189/167	55	3000/3000	L
3 OCKLY	S32 48.9 E117 09.3	168/167	17	2800/2800	L
1 ABA NDB	S34 57.1 E117 48.6	167/---	132	3800/3800	L
ATS ROUTE W186 T/W					
3 GAY NDB	S25 35.7 E151 40.4	---/291			
3 FORTT	S24 50.2 E150 20.0	293/293	86	3400/3900	L
2 EML NDB	S23 34.0 E148 10.3	294/---	141	4500/4400	L
ATS ROUTE W188 T/W					
3 ELW VOR	S37 12.4 E145 50.1	---/206			
1 LACEY	S37 33.1 E145 30.2	206/206	26	5500/5500	L
1 COLDS	S37 42.7 E145 21.0	206/206	12	5200/5200	L
1 HARRO	S37 47.0 E145 16.8	206/206	5	3600/3600	L
1 MB NDB	S37 58.6 E145 05.4	206/---	15	3600/3600	L

Chart Depiction. The following waypoint numbering is indicative of the presentation on Charts

1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE W189 T/W					
3 AMB NDB	S27 38.9 E152 43.4	---/042			
3 BN VOR	S27 22.0 E153 08.4	042/---	28	2800/2800	B
ATS ROUTE W190 T/W					
3 ML VOR	S37 39.6 E144 50.5	---/206			
1 AV VOR	S38 02.9 E144 27.5	207/---	30	2600/2600	L
ATS ROUTE W191 T/W					
3 YWE VOR	S37 44.3 E143 45.3	---/258			
3 MTG VOR	S37 45.1 E140 47.1	261/---	141	4100/4100	L
ATS ROUTE W192 T/W					
2 MDG VOR	S32 33.7 E149 35.6	---/336			
5 CBB NDB	S31 19.8 E149 16.2	336/068	76	4300/4300	L
3 TW VOR	S31 04.0 E150 49.8	067/111	82	4500/4500	L
3 MSO NDB	S31 23.2 E151 24.7	111/043	36	5900/5900	L
2 CFS VOR	S30 19.2 E153 07.3	042/357	109	6200/6200	L
1 TUCAB	S29 28.8 E153 16.1	357/357	51	3300/3300	L
3 TUCKI	S28 55.3 E153 22.2	358/357	34	2500/2500	L
3 CG VOR	S28 10.1 E153 30.2	358/313	46	4200/4200	L
1 MOOVI	S27 54.8 E153 17.7	313/313	19	3400/3400	L
1 AF NDB	S27 34.2 E153 01.0	313/---	25	3400/3400	L
ATS ROUTE W193 T/W					
2 DN VOR	S12 25.4 E130 54.4	---/126			
1 HODDA	S13 16.1 E131 57.9	126/125	80	2400/2900	L
3 KARSI	S13 57.3 E132 50.2	125/125	65	3000/3400	L
2 SNOOD	S15 09.5 E134 23.1	124/124	115	3000/3000	L
2 MHU NDB	S16 26.8 E136 04.7	123/138	125	2500/2400	L
2 CRISO	S19 34.3 E138 34.8	136/136	235	2900/2900	L
3 MA VOR	S20 39.9 E139 29.1	136/---	83	3200/3200	L
ATS ROUTE W195 T/W					
3 MSO NDB	S31 23.2 E151 24.7	---/165			
3 TIMBO	S32 10.4 E151 27.7	165/162	47	6600/6600	L
3 WMD VOR	S32 45.3 E151 31.9	162/---	35	6600/6600	L
ATS ROUTE W196 LIMITED SEG T/W					
3 TAM VOR	S25 48.2 E149 53.8	---/117			
1 JEDDA	S27 09.4 E151 57.2	115/115	137	5300/5300	L
3 AMB NDB	S27 38.9 E152 43.4	114/116	51	5300/4200	L
3 CG VOR	S28 10.1 E153 30.2	115/164	52	3700/3700	L
1 BNA NDB	S28 50.1 E153 33.7	164/183	40	3700/3700	L
2 CFS VOR	S30 19.2 E153 07.3	183/189	92	3300/3300	L
1 KMP NDB	S31 03.5 E152 47.4	189/184	47	3100/3100	L
2 TRE NDB	S31 53.4 E152 30.6	184/---	52	4000/4000	L
ATS ROUTE W199 T/W					
3 LRE VOR	S23 25.5 E144 16.9	---/351			
5 LODEN	S22 06.2 E144 15.2	351/351	79	2700/2700	L
3 HUG VOR	S20 48.8 E144 13.4	351/337	77	3000/3000	L
3 SENNA	S17 00.0 E143 07.3	338/338	236	5300/5300	L
3 WP VOR	S12 40.4 E141 55.3	340/---	268	3100/2700	L
ATS ROUTE W200 T/W					
3 AD VOR	S34 56.8 E138 31.5	---/022			
1 PF NDB	S34 47.8 E138 37.9	022/---	10	2400/2400	L
ATS ROUTE W202 T/W					
2 CIN VOR	S17 35.3 E123 51.1	---/098			
3 SANDY	S17 53.8 E125 36.6	097/097	102	3000/4300	L
1 HLC NDB	S18 14.0 E127 40.3	096/---	120	3800/4300	L
ATS ROUTE W203 T/W					
1 CLARK	S42 28.4 E147 00.7	---/355			
3 LT VOR	S41 32.6 E147 12.8	355/---	56	5800/5800	L
ATS ROUTE W207 T/W					
1 SU VOR	S26 35.9 E153 05.4	---/224			
1 KCY NDB	S26 55.1 E152 34.4	225/226	34	3600/3600	L
3 OK VOR	S27 24.0 E151 44.3	227/181	53	3900/3900	L
2 IVL NDB	S29 53.1 E151 08.4	181/204	152	5500/4900	L
3 GDH NDB	S30 57.2 E150 14.9	205/206	79	5000/5000	L
2 PKS VOR	S33 07.9 E148 14.2	207/---	166	5100/5400	L
ATS ROUTE W209 T/W					
3 BN VOR	S27 22.0 E153 08.4	---/165			
3 LIS NDB	S28 49.4 E153 15.4	164/---	87	5300/5300	L
ATS ROUTE W213 T/W					
1 HLC NDB	S18 14.0 E127 40.3	---/268			
2 FTZ NDB	S18 11.1 E125 33.4	269/---	121	3800/3800	L
ATS ROUTE W214 LIMITED SEG T/W					
3 CG VOR	S28 10.1 E153 30.2	---/198			
3 GAMBL	S28 52.5 E153 02.9	198/166	49	5200/5300	L
2 CFS VOR	S30 19.2 E153 07.3	166/203	87	3800/3600	L
3 SORTI	S31 49.3 E151 52.8	204/204	110	6600/6200	L
3 SGT NDB	S32 33.1 E151 15.5	204/178	54	6600/6600	L
1 MQD NDB	S33 06.7 E151 08.4	178/200	34	3500/3500	L
1 CAPER	S33 22.8 E150 56.3	200/200	19	2900/2900	L
3 RIC NDB	S33 35.8 E150 46.6	200/---	15	2900/2900	L
ATS ROUTE W217 T/W					
1 KAREN	S42 05.3 E147 39.9	---/313			
3 LT VOR	S41 32.6 E147 12.8	314/---	38	4700/4700	L
ATS ROUTE W218 T/W					
2 ESL NDB	S38 06.7 E147 09.6	---/167			
2 ANTLA	S40 00.0 E147 11.3	166/166	113	2300/2600	L
1 NOLAN	S40 39.5 E147 11.9	166/166	39	2700/1700	L
2 LT VOR	S41 32.6 E147 12.8	165/---	53	6000/5300	B
ATS ROUTE W219 T/W					
3 LTV NDB	S38 12.2 E146 28.5	---/158			
2 HELIX	S40 00.0 E146 51.6	157/157	109	3900/6500	L
3 LT VOR	S41 32.6 E147 12.8	156/---	94	5300/5300	L
ATS ROUTE W220 T/W					
1 KAMBA	S33 29.7 E151 26.0	---/354			
1 GUNTA	S33 12.2 E151 28.3	354/354	18	3400/3400	L
3 WMD VOR	S32 45.3 E151 31.9	354/328	27	3400/3400	L
3 TW VOR	S31 04.0 E150 49.8	329/299	107	6600/6600	L
3 NBR NDB	S30 19.2 E149 49.9	300/---	68	4400/4400	L
ATS ROUTE W223 T/W					
2 GAMBL	S28 52.5 E153 02.9	---/170			
3 GFN NDB	S29 45.6 E153 01.6	169/160	53	2500/3200	L
2 CFS VOR	S30 19.2 E153 07.3	160/179	34	3300/3300	L
1 PMQ NDB	S31 26.1 E152 52.0	179/202	68	3100/3100	L
2 TRE NDB	S31 53.4 E152 30.6	202/237	33	3400/3400	L
1 NICLA	S32 03.1 E152 00.3	237/197	28	3700/4900	L
3 WMD VOR	S32 45.3 E151 31.9	198/---	48	5000/4900	L
ATS ROUTE W226 T/W					
2 GV VOR	S12 15.9 E136 49.0	---/238			
3 DUMPA	S13 26.9 E134 30.8	239/239	152	2900/2900	L
3 TRUKA	S13 58.4 E133 28.1	239/239	69	2900/2900	L
4 TN VOR	S14 31.2 E132 22.3	239/246	72	2900/2900	L
3 NUTTA	S15 00.5 E130 58.3	247/247	86	2600/2600	L
2 KU VOR	S15 46.5 E128 42.5	248/293	139	2700/2700	L
2 WYM NDB	S15 30.6 E128 09.1	293/284	36	2800/2800	L
3 YMIP ALA	S14 47.4 E125 49.5	285/---	142	3100/3100	L
ATS ROUTE W232 T/W					
3 TL VOR	S19 14.7 E146 45.5	---/160			

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1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
5 OLDER	S21 11.2 E147 13.7	159/159	119	5300/5500	L
3 CMT NDB	S22 46.4 E147 37.5	158/---	97	4200/3200	L
ATS ROUTE W233 T/W					
2 WYY VOR	S41 00.0 E145 43.6	---/132			
2 IRONS	S41 46.4 E146 27.7	130/130	57	6300/6300	L
1 SYNOT	S42 13.2 E146 53.8	130/129	33	6300/6300	L
2 HB VOR	S42 50.8 E147 31.6	128/---	47	5300/5300	L
ATS ROUTE W235 T/W					
3 GTH VOR	S34 15.0 E146 03.9	---/118			
3 WG VOR	S35 09.9 E147 28.1	116/---	89	2900/2900	L
ATS ROUTE W237 T/W					
2 DN VOR	S12 25.4 E130 54.4	---/250			
3 SIDER	S12 48.0 E129 35.8	251/251	80	1600/1900	L
3 NAILA	S13 12.9 E128 07.2	251/251	90	1500/1600	L
1 TTX NDB	S13 45.3 E126 08.9	252/---	120	2500/1500	L
ATS ROUTE W238 T/W					
1 YOLD AD	S30 29.1 E136 52.6	---/154			
3 PAG NDB	S32 31.6 E137 42.1	153/157	129	4200/4200	L
3 ACTIN	S33 30.2 E138 01.6	157/156	61	3400/4600	L
1 WAKEN	S34 08.1 E138 14.5	156/156	39	3400/3400	L
1 HOLIT	S34 27.9 E138 21.4	156/156	21	3400/3400	L
3 AD VOR	S34 56.8 E138 31.5	156/---	30	3400/3400	L
ATS ROUTE W240 T/W					
3 LRE VOR	S23 25.5 E144 16.9	---/091			
3 BAR NDB	S23 33.5 E145 17.9	090/062	57	2400/2400	L
5 BURTO	S23 07.2 E146 36.9	062/062	77	3200/3200	L
3 CMT NDB	S22 46.4 E147 37.5	061/067	60	3900/3900	L
1 DYS NDB	S22 35.9 E148 21.1	067/104	42	4100/4100	L
3 MINNI	S23 04.6 E149 37.5	103/103	76	3300/3300	L
3 RK VOR	S23 23.0 E150 28.3	102/---	50	3300/3300	L
ATS ROUTE W241 T/W					
3 NWA NDB	S34 57.1 E150 31.8	---/240			
3 CB VOR	S35 16.9 E149 11.7	241/---	69	5100/4800	L
ATS ROUTE W243 T/W					
3 CV VOR	S26 25.3 E146 16.0	---/277			
5 VALDA	S25 57.7 E144 34.0	279/279	96	2800/2800	L
3 WDH NDB	S25 24.7 E142 39.8	280/---	108	2700/2700	L
ATS ROUTE W245 T/W					
3 YWE VOR	S37 44.3 E143 45.3	---/262			
1 HML NDB	S37 39.0 E142 03.5	264/---	81	4100/4100	L
ATS ROUTE W246 T/W					
3 AMB NDB	S27 38.9 E152 43.4	---/324			
3 GAY NDB	S25 35.7 E151 40.4	325/---	135	4300/4300	L
ATS ROUTE W249 T/W					
3 GV VOR	S12 15.9 E136 49.0	---/091			
5 PEACH	S12 23.1 E138 10.7	090/090	80	1900/1900	L
5 CHERY	S12 32.0 E140 00.0	089/089	107	1500/1500	L
3 WP VOR	S12 40.4 E141 55.3	089/---	113	1900/1900	L
ATS ROUTE W252 T/W					
3 GDI NDB	S28 31.4 E150 19.6	---/276			
2 SGE NDB	S28 02.8 E148 35.8	278/297	96	2400/2400	L
3 CV VOR	S26 25.3 E146 16.0	300/330	158	3000/2800	L
3 BCK NDB	S24 25.6 E145 26.2	331/343	128	3000/2900	L
3 BAR NDB	S23 33.5 E145 17.9	344/---	52	2500/2500	L
ATS ROUTE W256 T/W					
3 AMB NDB	S27 38.9 E152 43.4	---/137			
1 BNA NDB	S28 50.1 E153 33.7	136/201	84	5300/5300	L
3 PLO VOR	S30 29.5 E152 21.6	201/255	117	6500/6500	L
4 ARM NDB	S30 31.6 E151 36.9	256/---	39	6600/6600	L
ATS ROUTE W257 T/W					
2 CIN VOR	S17 35.3 E123 51.1	---/210			
2 OSVOL	S20 15.1 E122 02.9	211/211	189	2600/2600	B
3 SARMO	S21 41.8 E121 02.4	211/211	103	3400/3400	B
4 NWN VOR	S23 25.3 E119 48.2	212/---	124	4100/4100	B
ATS ROUTE W258 T/W					
3 TL VOR	S19 14.7 E146 45.5	---/137			
3 JEMMA	S19 49.2 E147 11.5	137/136	42	5500/5500	B
3 CSV VOR	S20 35.5 E147 47.1	136/131	57	3400/3400	B
3 MURPH	S22 28.8 E149 35.0	129/155	151	5200/5600	B
2 COBES	S23 16.9 E149 49.8	155/---	50	4500/4500	L
ATS ROUTE W260 T/W					
2 GEL VOR	S28 47.4 E114 42.4	---/028			
3 BURKE	S27 02.0 E115 41.4	026/026	117	2800/3200	L
4 BANKS	S25 01.2 E116 46.5	025/025	134	5100/4000	L
2 PBO VOR	S23 10.4 E117 44.2	024/---	122	5100/5100	L
ATS ROUTE W263 T/W					
2 CAG VOR	S32 15.8 E125 29.7	---/290			
3 KG VOR	S30 47.4 E121 27.2	293/---	225	2900/2900	B
ATS ROUTE W264 T/W					
3 GTH VOR	S34 15.0 E146 03.9	---/184			
3 YANCO	S35 16.7 E145 43.9	184/184	64	3000/3000	L
3 MNG VOR	S36 53.2 E145 11.7	184/---	100	3000/3000	L
ATS ROUTE W265 T/W					
3 JLC NDB	S20 39.9 E141 43.5	---/068			
2 SIMAS	S20 14.5 E143 17.6	067/067	92	3100/4200	L
2 THOMO	S19 41.5 E145 14.4	066/066	115	5300/5300	L
3 TL VOR	S19 14.7 E146 45.5	065/---	90	4900/4200	L
ATS ROUTE W266 T/W					
3 CB VOR	S35 16.9 E149 11.7	---/279			
3 HOWLY	S34 46.0 E147 36.6	280/280	84	6100/7500	L
3 GTH VOR	S34 15.0 E146 03.9	282/---	83	4500/4500	L
ATS ROUTE W267 T/W					
3 LAV VOR	S28 05.4 E152 55.5	---/209			
3 VILLA	S28 29.4 E152 32.2	210/210	32	5900/5900	L
2 IVL NDB	S29 53.1 E151 08.4	210/---	111	6400/6400	L
ATS ROUTE W270 T/W					
3 AMB NDB	S27 38.9 E152 43.4	---/275			
1 GERBL	S27 34.5 E152 25.6	275/275	16	2700/2700	L
3 OK VOR	S27 24.0 E151 44.3	275/303	38	4100/4100	L
3 TAM VOR	S25 48.2 E149 53.8	305/315	138	3200/3600	L
5 OVENS	S24 59.2 E149 15.3	315/315	60	3900/3900	L
2 EML NDB	S23 34.0 E148 10.3	316/---	104	3900/3900	L
ATS ROUTE W271 T/W					
3 ESP VOR	S33 40.8 E121 49.4	---/359			
3 NSM NDB	S32 11.7 E121 47.9	358/347	89	3000/3000	L
3 KG VOR	S30 47.4 E121 27.2	347/326	86	3000/3000	L
3 WALLI	S29 27.5 E120 29.4	327/327	94	3400/3400	L
3 YINGA	S27 44.1 E119 17.5	328/328	121	3600/3400	L
2 MEK VOR	S26 36.4 E118 32.0	328/347	79	3600/3400	L
3 WOODS	S24 48.6 E118 06.5	347/347	110	4700/4700	L
2 PBO VOR	S23 10.4 E117 44.2	347/338	100	4700/4700	L
3 WEBBA	S21 53.7 E117 13.8	339/339	81	5300/5300	L
2 KA VOR	S20 42.9 E116 46.4	339/---	75	4700/4700	L
ATS ROUTE W272 T/W					
3 BRM NDB	S17 56.8 E122 14.1	---/110			

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1 NIL **2** ▲ **3** △ **4** ◮ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
2 BELOP	S19 00.0 E125 00.0	109/110	170	2900/2900	L
4 BGO NDB	S20 08.2 E127 59.3	108/121	182	2900/2900	L
2 FOLEY	S21 53.1 E130 43.3	120/120	186	4100/4100	L
2 AS VOR	S23 47.6 E133 52.7	118/---	209	6400/5500	L
ATS ROUTE W274 T/W					
2 AYE NDB	S25 10.4 E130 58.5	---/135			
3 CAULI	S26 27.5 E132 11.8	134/134	101	6100/6100	L
4 RIDGE	S27 44.6 E133 27.6	133/134	102	5600/6100	L
1 CBP NDB	S29 01.9 E134 43.4	133/143	102	3300/2700	L
3 MEBAH	S30 13.4 E135 33.0	142/143	83	2200/2400	L
5 WIRMA	S31 22.0 E136 19.7	143/143	79	2200/2200	L
3 WHA NDB	S33 03.5 E137 31.5	141/---	118	2700/2700	L
ATS ROUTE W279 T/W					
1 AF NDB	S27 34.2 E153 01.0	---/267			
1 IMATI	S27 29.3 E152 23.6	268/268	34	3200/3200	L
3 OK VOR	S27 24.0 E151 44.3	268/246	35	4200/4200	L
5 BARTA	S27 44.5 E150 07.3	247/247	89	3200/3200	L
2 SGE NDB	S28 02.8 E148 35.8	248/---	83	2800/2700	L
ATS ROUTE W281 T/W					
4 TN VOR	S14 31.2 E132 22.3	---/092			
1 NGU NDB	S14 43.5 E134 44.3	091/093	138	2400/2400	L
3 HANKY	S15 08.6 E138 20.7	091/091	211	2200/2600	L
3 KOW NDB	S15 28.8 E141 44.9	089/104	198	1900/1900	L
3 ELNOT	S16 01.2 E143 17.4	103/103	95	2300/2500	L
3 DAMIL	S16 21.3 E144 16.1	103/103	60	4800/4500	L
3 CS VOR	S16 51.0 E145 44.6	102/---	90	5900/5800	L
ATS ROUTE W282 T/W					
2 DPO VOR	S41 10.2 E146 26.1	---/141			
3 LIFFY	S41 39.0 E146 44.3	140/140	32	6000/6000	L
2 HB VOR	S42 50.8 E147 31.6	139/---	80	6000/6000	L
ATS ROUTE W283 T/W					
3 LTV NDB	S38 12.2 E146 28.5	---/358			
3 AY VOR	S36 04.1 E146 58.0	358/---	130	7300/7300	L
ATS ROUTE W284 T/W					
3 SY VOR	S33 56.6 E151 10.8	---/035			
1 DONIC	S33 22.8 E151 54.5	034/341	50	1900/1900	L
3 WLM NDB	S32 48.2 E151 49.7	341/---	35	1900/1900	L
ATS ROUTE W285 T/W					
3 GV VOR	S12 15.9 E136 49.0	---/069			
4 GILUM	S11 36.6 E139 00.8	068/068	135	1900/1900	L
3 HID NDB	S10 35.5 E142 17.6	067/---	203	2300/2300	L
ATS ROUTE W286 T/W					
3 PLO VOR	S30 29.5 E152 21.6	---/210			
3 MSO NDB	S31 23.2 E151 24.7	211/---	72	6500/6500	L
ATS ROUTE W287 T/W					
3 BRM NDB	S17 56.8 E122 14.1	---/065			
1 DBY NDB	S17 21.4 E123 40.0	064/069	89	2000/2000	L
3 PARAD	S17 02.6 E124 37.3	068/068	58	2700/3700	L
2 MAMUT	S16 25.8 E126 25.9	067/058	110	4100/4600	L
2 WYM NDB	S15 30.6 E128 09.1	058/038	114	4100/3900	L
3 TOMAS	S13 26.2 E130 00.8	038/038	165	2600/2600	L
2 DN VOR	S12 25.4 E130 54.4	038/---	80	2200/1900	L
ATS ROUTE W290 T/W					
3 CB VOR	S35 16.9 E149 11.7	---/178			
3 COM NDB	S36 21.2 E148 57.5	178/206	65	7500/7500	L
3 TAMBO	S37 27.6 E147 49.6	207/206	86	7500/7500	L
2 ESL NDB	S38 06.7 E147 09.6	207/---	50	6300/6300	L
ATS ROUTE W291 T/W					
4 NHL VOR	S36 18.9 E141 38.7	---/121			
1 HSM NDB	S36 40.3 E142 10.1	120/120	33	2200/2200	L
3 YWE VOR	S37 44.3 E143 45.3	119/109	99	4800/4800	L
1 WENDY	S37 50.4 E143 58.7	109/108	12	3000/3000	L
1 AV VOR	S38 02.9 E144 27.5	107/052	26	2900/2900	L
1 YMPC AD	S37 55.9 E144 45.2	052/020	16	1800/1800	L
1 EN NDB	S37 43.6 E144 54.7	020/---	14	2100/2100	L
ATS ROUTE W292 T/W					
3 BOU NDB	S22 54.9 E139 54.4	---/007			
3 CCY NDB	S20 39.9 E140 30.1	007/004	138	2700/2700	L
5 FLATS	S18 58.1 E140 49.8	004/004	103	2400/2400	L
2 NTN NDB	S17 41.7 E141 04.4	004/002	77	2100/2100	L
3 KERIN	S16 12.6 E141 17.7	002/005	90	2100/2100	L
5 TEDDY	S14 44.4 E141 34.6	005/004	89	2100/2100	L
3 WP VOR	S12 40.4 E141 55.3	004/004	125	2100/2100	L
3 HID NDB	S10 35.5 E142 17.6	005/---	126	2800/2200	L
ATS ROUTE W293 T/W					
4 MIA VOR	S34 13.6 E142 05.2	---/135			
3 PROST	S35 33.6 E143 14.8	134/134	98	2000/2000	L
3 BDG NDB	S36 44.6 E144 19.6	132/---	88	2800/2600	L
ATS ROUTE W294 T/W					
2 GEL VOR	S28 47.4 E114 42.4	---/341			
1 YSHK AD	S25 53.6 E113 34.6	341/005	183	2400/2400	L
2 CAR VOR	S24 52.9 E113 40.4	005/---	61	1700/1700	L
ATS ROUTE W295 T/W					
2 HB VOR	S42 50.8 E147 31.6	---/335			
3 LT VOR	S41 32.6 E147 12.8	336/---	79	5400/5400	B
ATS ROUTE W296 T/W					
1 MB NDB	S37 58.6 E145 05.4	---/352			
1 PLE NDB	S37 43.2 E145 06.7	352/---	15	2100/2100	L
ATS ROUTE W297 T/W					
2 ESL NDB	S38 06.7 E147 09.6	---/049			
3 GIPPS	S37 42.6 E148 05.1	048/049	50	3900/3900	L
1 MER NDB	S36 54.9 E149 54.0	047/---	99	5700/5700	L
ATS ROUTE W298 T/W					
2 SGE NDB	S28 02.8 E148 35.8	---/133			
3 MOR NDB	S29 29.8 E149 51.1	132/148	109	2800/2800	L
2 SGT NDB	S32 33.1 E151 15.5	146/---	197	6500/6500	L
ATS ROUTE W302 T/W					
3 BN VOR	S27 22.0 E153 08.4	---/233			
2 DUNKN	S27 39.1 E152 27.7	234/234	40	5000/5400	L
3 DIGGA	S27 52.9 E151 54.6	234/234	32	5000/5400	L
3 GDI NDB	S28 31.4 E150 19.6	235/234	92	4500/4700	L
3 BURCH	S29 02.5 E149 02.7	235/235	74	2400/2400	L
1 YLRD AD	S29 27.4 E147 59.1	236/---	61	2300/2300	L
ATS ROUTE W306 T/W					
1 WKB NDB	S36 19.2 E142 24.7	---/133			
3 BURRA	S37 00.5 E143 03.2	132/132	52	4700/4700	L
3 YWE VOR	S37 44.3 E143 45.3	131/---	55	4800/4800	L
ATS ROUTE W307 T/W					
2 CAR VOR	S24 52.9 E113 40.4	---/035			
3 BRUCE	S23 05.9 E115 02.0	034/034	130	2500/2600	L
3 PANNA	S21 20.6 E116 19.3	033/033	127	4000/2800	L
2 KA VOR	S20 42.9 E116 46.4	033/---	45	3900/2500	L
ATS ROUTE W308 T/W					
2 FLI NDB	S40 05.7 E148 00.9	---/291			

Chart Depiction. The following waypoint numbering is indicative of the presentation on Charts

1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
3 CWS VOR	S38 30.5 E145 12.8	295/316	161	3900/3900	L
1 YMPC AD	S37 55.9 E144 45.2	316/---	41	2500/2500	L
ATS ROUTE W309 T/W					
3 CS VOR	S16 51.0 E145 44.6	---/313			
2 TAMED	S14 55.2 E144 05.1	314/314	150	5900/5900	L
3 COE NDB	S13 46.0 E143 07.0	315/---	89	4100/4100	L
ATS ROUTE W310 T/W					
2 PKS VOR	S33 07.9 E148 14.2	---/226			
3 GTH VOR	S34 15.0 E146 03.9	228/204	128	3200/3200	L
3 DLQ NDB	S35 33.1 E144 57.1	205/183	95	2300/2300	L
1 ECH NDB	S36 09.9 E144 45.9	183/177	38	2100/2100	L
1 CANTY	S36 48.4 E144 39.1	177/---	39	2900/2900	L
ATS ROUTE W311 T/W					
1 TWB NDB	S27 32.5 E151 54.7	---/081			
1 WOBBL	S27 33.4 E152 25.2	081/081	27	3800/4100	L
1 AF NDB	S27 34.2 E153 01.0	080/---	32	3800/4100	L
ATS ROUTE W314 T/W					
3 KG VOR	S30 47.4 E121 27.2	---/355			
2 LEO NDB	S28 52.7 E121 19.2	355/331	115	3100/3100	L
3 LST NDB	S27 50.4 E120 42.0	331/---	70	3300/3300	L
ATS ROUTE W318 T/W					
3 TW VOR	S31 04.0 E150 49.8	---/320			
3 MOR NDB	S29 29.8 E149 51.1	321/---	107	6500/6500	L
ATS ROUTE W319 T/W					
3 BIB VOR	S16 55.0 E145 24.7	---/225			
3 GTN NDB	S18 17.7 E143 32.9	226/231	135	4800/5200	L
3 SAVAN	S19 24.2 E141 41.0	232/232	125	2800/4300	L
3 MA VOR	S20 39.9 E139 29.1	233/---	145	3400/3200	L
ATS ROUTE W320 T/W					
3 GDI NDB	S28 31.4 E150 19.6	---/038			
3 OK VOR	S27 24.0 E151 44.3	037/---	101	3600/3600	L
ATS ROUTE W321 T/W					
2 LM VOR	S22 14.1 E114 05.7	---/106			
2 WYLOO	S22 48.4 E116 15.8	104/104	125	3800/3400	L
2 PBO VOR	S23 10.4 E117 44.2	103/097	84	4800/4500	L
4 NWN VOR	S23 25.3 E119 48.2	095/---	115	5300/5300	L
ATS ROUTE W325 T/W					
3 AD VOR	S34 56.8 E138 31.5	---/033			
1 RUSSL	S34 18.8 E139 11.0	032/032	50	3500/3800	L
3 HOBBS	S33 48.3 E139 42.2	032/032	40	3500/3800	L
2 ALTRO	S33 10.0 E140 20.6	031/031	50	3500/3800	L
2 BHI VOR	S32 00.0 E141 28.8	031/002	91	3500/3800	L
3 BANCA	S30 50.0 E141 44.6	002/003	71	2900/2900	L
3 TIB NDB	S29 26.8 E142 03.5	003/---	85	2500/2700	L
ATS ROUTE W326 T/W					
3 AMB NDB	S27 38.9 E152 43.4	---/193			
1 VONDO	S28 18.1 E152 23.8	193/193	43	6400/6400	L
3 GLI NDB	S29 40.3 E151 41.7	193/197	90	6400/6400	L
3 TW VOR	S31 04.0 E150 49.8	197/227	95	6300/6400	L
4 DU VOR	S32 13.2 E148 34.7	229/---	134	5300/5400	L
ATS ROUTE W328 T/W					
3 CWR VOR	S33 50.9 E148 38.7	---/254			
3 WWL NDB	S33 56.1 E147 11.4	255/---	73	3900/3900	L
ATS ROUTE W330 T/W					
3 TW VOR	S31 04.0 E150 49.8	---/055			
3 PLO VOR	S30 29.5 E152 21.6	054/064	86	6600/6600	L
2 CFS VOR	S30 19.2 E153 07.3	063/---	41	6600/6600	L
ATS ROUTE W331 T/W					
2 ROM NDB	S26 32.6 E148 46.9	---/294			
5 LORNE	S25 32.5 E147 09.8	296/296	106	4100/4500	L
3 BCK NDB	S24 25.6 E145 26.2	297/305	115	4000/4100	L
3 LRE VOR	S23 25.5 E144 16.9	306/330	87	2400/2400	L
3 RMD NDB	S20 41.9 E143 06.6	331/---	176	2500/2500	L
ATS ROUTE W332 T/W					
3 GTH VOR	S34 15.0 E146 03.9	---/093			
1 CTM NDB	S34 37.6 E148 01.8	091/113	100	3800/3800	L
3 CB VOR	S35 16.9 E149 11.7	112/---	70	5700/5700	L
ATS ROUTE W334 T/W					
1 VEGAH	S29 24.6 E152 49.4	---/141			
3 GFN NDB	S29 45.6 E153 01.6	141/207	23	3700/3100	L
3 PLO VOR	S30 29.5 E152 21.6	207/---	56	6500/6500	L
ATS ROUTE W335 T/W					
3 AY VOR	S36 04.1 E146 58.0	---/049			
5 COPPA	S35 46.9 E147 34.9	048/048	35	4700/4900	L
1 WOLBI	S35 28.9 E148 12.5	047/048	36	6000/6000	L
1 WJS VOR	S35 15.6 E148 40.1	047/---	26	6700/6700	L
ATS ROUTE W338 T/W					
3 RK VOR	S23 23.0 E150 28.3	---/255			
2 EML NDB	S23 34.0 E148 10.3	257/242	127	4500/4100	L
2 BCK NDB	S24 25.6 E145 26.2	243/240	159	3900/4500	L
2 WDH NDB	S25 24.7 E142 39.8	242/252	162	2900/3300	L
5 DAPPA	S25 35.4 E141 30.5	253/253	64	2400/2400	L
3 BDV NDB	S25 53.8 E139 21.2	255/---	118	2400/2400	L
ATS ROUTE W339 T/W					
1 BK NDB	S33 55.7 E150 59.3	---/278			
3 KAT NDB	S33 42.6 E150 18.0	279/---	37	5000/5000	L
ATS ROUTE W340 T/W					
3 CCY NDB	S20 39.9 E140 30.1	---/123			
5 TINAH	S21 36.3 E141 45.3	122/122	90	3000/3000	L
3 HOTTA	S22 29.6 E142 58.2	121/120	86	2400/2400	L
3 LRE VOR	S23 25.5 E144 16.9	119/---	92	2800/2800	L
ATS ROUTE W341 T/W					
1 WLU NDB	S26 37.5 E120 13.2	---/269			
2 MEK VOR	S26 36.4 E118 32.0	270/236	91	3500/3500	L
1 JAYBE	S27 12.4 E117 30.8	236/236	65	3800/3800	L
2 BLIGH	S28 02.2 E116 04.0	238/238	92	3500/3500	L
2 GEL VOR	S28 47.4 E114 42.4	239/---	85	2900/2900	L
ATS ROUTE W342 T/W					
3 SGT NDB	S32 33.1 E151 15.5	---/013			
3 TIMBO	S32 10.4 E151 27.7	012/012	25	6600/6600	L
3 JOKER	S31 25.0 E151 51.8	012/013	50	6600/6600	L
3 PLO VOR	S30 29.5 E152 21.6	013/---	61	6500/6500	L
ATS ROUTE W343 T/W					
3 BNS NDB	S37 52.9 E147 34.1	---/222			
2 ESL NDB	S38 06.7 E147 09.6	222/---	24	2400/2400	L
ATS ROUTE W344 T/W					
2 AS VOR	S23 47.6 E133 52.7	---/109			
3 STEEL	S24 19.9 E135 12.6	108/108	80	4200/4600	L
3 WILLS	S25 23.8 E137 59.0	106/106	164	3100/3800	L
3 BDV NDB	S25 53.8 E139 21.2	105/---	80	1900/1900	L
ATS ROUTE W345 T/W					
1 TONTO	S34 17.6 E150 38.7	---/223			
3 GLB NDB	S34 48.4 E149 44.2	223/---	55	4400/4400	L

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1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE W346 T/W					
3 BOR VOR	S36 23.6 E140 44.5	---/292			
3 MICRO	S35 57.6 E139 52.8	293/293	49	1800/1800	L
1 LRT NDB	S35 41.3 E139 20.9	294/---	31	1800/1800	L
ATS ROUTE W347 T/W					
1 MQD NDB	S33 06.7 E151 08.4	---/031			
3 WMD VOR	S32 45.3 E151 31.9	030/350	29	3500/3500	L
4 ARM NDB	S30 31.6 E151 36.9	350/353	133	6600/6600	L
3 GLI NDB	S29 40.3 E151 41.7	353/350	51	6400/6400	L
3 OK VOR	S27 24.0 E151 44.3	350/347	136	5800/6400	L
3 GAY NDB	S25 35.7 E151 40.4	348/336	108	5200/5200	L
3 GLA VOR	S23 51.9 E151 12.3	337/---	107	4500/4500	L
ATS ROUTE W349 T/W					
3 BOU NDB	S22 54.9 E139 54.4	---/343			
3 MA VOR	S20 39.9 E139 29.1	344/355	137	4000/4000	L
5 MYALL	S19 06.0 E139 30.6	355/355	94	3200/3200	L
1 BKT NDB	S17 45.1 E139 31.9	355/337	81	2700/2700	L
1 MTI NDB	S16 39.5 E139 10.2	337/---	68	1500/1500	L
ATS ROUTE W353 T/W					
2 WLG VOR	S30 01.7 E148 07.7	---/002			
2 SGE NDB	S28 02.8 E148 35.8	002/082	121	2200/2200	L
3 BONGO	S28 05.0 E150 20.0	080/080	92	2700/2800	L
3 ALORA	S28 05.6 E151 57.0	079/079	86	5900/4400	L
1 DEBEE	S28 05.6 E152 20.8	079/079	21	5900/5900	L
3 LAV VOR	S28 05.4 E152 55.5	078/---	31	5900/5900	L
ATS ROUTE W354 T/W					
3 BN VOR	S27 22.0 E153 08.4	---/197			
1 AF NDB	S27 34.2 E153 01.0	197/242	14	2300/2300	L
3 AMB NDB	S27 38.9 E152 43.4	242/---	16	2700/4000	L
ATS ROUTE W356 T/W					
2 DN VOR	S12 25.4 E130 54.4	---/119			
3 NICOL	S13 07.8 E132 03.9	118/118	80	2200/2600	L
3 TRUKA	S13 58.4 E133 28.1	118/118	96	3000/3000	L
1 NGU NDB	S14 43.5 E134 44.3	117/128	86	3000/3000	L
1 BRL NDB	S16 04.6 E136 18.3	127/142	122	2200/2200	L
3 YARDD	S17 20.3 E137 09.3	142/142	90	2600/2700	L
3 LITEL	S18 34.5 E138 00.5	141/141	89	2900/2900	L
3 MA VOR	S20 39.9 E139 29.1	140/128	150	3200/3200	L
5 MIDEL	S22 24.0 E141 25.6	127/126	150	3400/3400	L
5 HAMER	S24 09.3 E143 28.2	125/125	154	2700/2700	L
3 MORIS	S25 49.6 E145 30.1	123/122	149	3300/3000	L
3 CV VOR	S26 25.3 E146 16.0	122/094	54	3000/2800	L
5 BAMBI	S26 46.9 E148 06.8	092/092	102	3400/3800	L
5 ALONE	S27 06.0 E149 53.5	091/091	97	3500/3500	L
3 OK VOR	S27 24.0 E151 44.3	089/131	100	4200/3200	L
1 DEBEE	S28 05.6 E152 20.8	131/131	53	5900/5900	L
3 GAMBL	S28 52.5 E153 02.9	130/---	60	5900/5900	L
ATS ROUTE W357 T/W					
1 CANTY	S36 48.4 E144 39.1	---/025			
4 NAR VOR	S34 42.1 E146 31.0	024/032	156	3200/4100	L
2 PKS VOR	S33 07.9 E148 14.2	031/---	127	3200/3200	L
ATS ROUTE W358 T/W					
3 YAS NDB	S34 49.7 E149 02.5	---/341			
1 RUG NDB	S34 23.2 E148 58.5	341/339	27	4100/4100	L
4 DU VOR	S32 13.2 E148 34.7	340/---	131	6100/6100	L
ATS ROUTE W359 T/W					
2 MDG VOR	S32 33.7 E149 35.6	---/025			
3 QDI NDB	S31 29.6 E150 31.4	025/020	80	5500/5500	L
3 TW VOR	S31 04.0 E150 49.8	020/---	30	4700/4700	L

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE W364 T/W					
2 DN VOR	S12 25.4 E130 54.4	---/081			
3 WOOFA	S12 16.9 E132 15.6	080/080	80	1800/1800	L
1 MGD NDB	S12 03.8 E134 13.9	080/089	117	2700/2400	L
1 YMGB AD	S12 05.7 E134 53.6	089/080	39	1600/1600	L
1 YELD AD	S12 01.2 E135 34.2	079/097	40	1600/1600	L
3 GV VOR	S12 15.9 E136 49.0	097/120	75	1900/1900	L
4 CARDO	S13 00.8 E137 56.9	119/120	80	1800/1800	L
5 GULFF	S14 22.0 E140 00.0	118/118	145	1500/1500	L
3 KOW NDB	S15 28.8 E141 44.9	117/107	121	1500/1500	L
2 TRUDY	S16 05.7 E143 15.7	106/105	95	2300/2400	L
5 HERON	S16 32.8 E144 26.6	105/105	73	5600/3900	L
3 BIB VOR	S16 55.0 E145 24.7	105/189	60	5800/5100	L
5 DOTTE	S18 41.9 E144 52.7	189/189	111	5700/6000	L
3 HUG VOR	S20 48.8 E144 13.4	189/153	132	4900/4800	L
3 SLASH	S22 23.0 E144 49.9	152/152	100	3000/3000	L
3 BAR NDB	S23 33.5 E145 17.9	152/111	75	2800/2400	L
5 ARTON	S24 38.6 E147 27.4	109/109	135	5400/5400	L
3 TAM VOR	S25 48.2 E149 53.8	107/---	150	5500/5500	L
ATS ROUTE W365 T/W					
3 RIC NDB	S33 35.8 E150 46.6	---/349			
1 RUNNA	S33 15.9 E150 47.3	350/350	20	4300/4900	L
3 SCO NDB	S32 02.1 E150 49.9	350/---	74	4300/4900	L
ATS ROUTE W368 T/W					
3 KAT NDB	S33 42.6 E150 18.0	---/062			
3 RIC NDB	S33 35.8 E150 46.6	062/---	25	5000/5000	L
ATS ROUTE W369 T/W					
3 BN VOR	S27 22.0 E153 08.4	---/257			
2 RUDEY	S27 23.2 E152 23.4	258/258	40	4100/4100	L
3 OK VOR	S27 24.0 E151 44.3	258/277	35	4100/4100	L
3 MATVI	S27 15.0 E151 12.1	277/277	30	3300/3300	L
5 DAMIN	S26 56.4 E150 07.0	278/278	61	2900/3000	L
2 ROM NDB	S26 32.6 E148 46.9	279/263	76	3100/3100	L
2 CV VOR	S26 25.3 E146 16.0	265/264	136	3700/3700	L
5 NIKIL	S26 18.0 E144 11.7	266/266	112	2800/2900	L
5 PEPPY	S26 06.6 E141 39.5	268/268	137	2500/2700	L
3 BDV NDB	S25 53.8 E139 21.2	270/---	125	2400/2400	L
ATS ROUTE W371 T/W					
3 AMB NDB	S27 38.9 E152 43.4	---/091			
3 JCW VOR	S27 45.7 E153 20.1	090/---	33	2900/2900	L
ATS ROUTE W374 T/W					
2 EML NDB	S23 34.0 E148 10.3	---/104			
2 TNG NDB	S24 29.6 E150 34.2	103/095	143	4500/4500	L
3 BUD NDB	S24 54.4 E152 19.2	094/140	99	4500/4500	L
1 MYB NDB	S25 31.2 E152 42.6	139/152	42	1700/1700	L
1 SU VOR	S26 35.9 E153 05.4	151/152	68	3100/3100	L
1 HOLIS	S26 51.2 E153 10.6	152/173	16	2300/2300	L
3 BN VOR	S27 22.0 E153 08.4	173/---	31	2100/2100	L
ATS ROUTE W377 T/W					
5 HBK NDB	S35 37.5 E147 28.0	---/065			
1 WOLBI	S35 28.9 E148 12.5	064/064	37	6700/6700	L
3 CB VOR	S35 16.9 E149 11.7	063/---	50	7500/7200	L
ATS ROUTE W379 T/W					
2 ROM NDB	S26 32.6 E148 46.9	---/044			
3 TAM VOR	S25 48.2 E149 53.8	044/---	75	3700/3700	L
ATS ROUTE W381 T/W					
4 ARM NDB	S30 31.6 E151 36.9	---/119			
1 PMQ NDB	S31 26.1 E152 52.0	118/---	84	5700/5700	L
ATS ROUTE W382 T/W					
1 WENDY	S37 50.4 E143 58.7	---/070			

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1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
1 LLOYD	S37 46.6 E144 30.7	070/070	26	3900/0	L
1 EN NDB	S37 43.6 E144 54.7	069/139	19	2900/0	L
1 MB NDB	S37 58.6 E145 05.4	139/---	17	2200/2200	L
ATS ROUTE W385 T/W					
2 AS VOR	S23 47.6 E133 52.7	---/064			
3 DERAL	S23 25.4 E134 53.3	063/063	60	5200/5300	L
1 JVS NDB	S22 57.0 E136 08.7	062/049	75	5200/5300	L
2 DORIC	S22 33.0 E136 44.7	049/049	41	2900/3400	L
3 BURLA	S21 42.7 E137 58.8	048/048	85	2900/3400	L
3 MA VOR	S20 39.9 E139 29.1	047/---	105	3600/3600	L
ATS ROUTE W386 T/W					
3 KAT NDB	S33 42.6 E150 18.0	---/287			
3 BTH NDB	S33 24.8 E149 39.4	287/262	37	5900/5900	L
1 ORG NDB	S33 23.0 E149 07.5	262/239	27	5200/5200	L
3 WWL NDB	S33 56.1 E147 11.4	240/---	102	6100/6100	L
ATS ROUTE W387 T/W					
3 GTN NDB	S18 17.7 E143 32.9	---/071			
3 TORIA	S17 58.2 E145 06.8	071/122	91	5000/5000	L
3 CARMN	S18 52.0 E146 15.9	122/122	85	5400/5100	L
2 TL VOR	S19 14.7 E146 45.5	121/083	36	4900/4900	L
1 LINBO	S19 15.1 E147 27.3	083/129	40	3300/4300	L
3 BWN NDB	S20 01.3 E148 12.9	129/138	63	3900/3900	L
3 PN VOR	S20 29.8 E148 33.2	138/130	34	3800/3800	L
3 MK VOR	S21 10.4 E149 11.2	130/---	54	3400/3400	L
ATS ROUTE W388 T/W					
2 KRY NDB	S26 34.7 E151 50.7	---/133			
2 AMB NDB	S27 38.9 E152 43.4	132/---	79	3800/3800	L
ATS ROUTE W389 T/W					
2 FLI NDB	S40 05.7 E148 00.9	---/214			
2 DPO VOR	S41 10.2 E146 26.1	215/207	97	3100/3100	L
5 SRN NDB	S42 09.2 E145 17.7	208/---	78	6500/6500	L
ATS ROUTE W391 T/W					
5 HBK NDB	S35 37.5 E147 28.0	---/348			
3 WG VOR	S35 09.9 E147 28.1	349/338	28	4400/4400	L
3 WWL NDB	S33 56.1 E147 11.4	338/---	75	3100/3100	L
ATS ROUTE W394 T/W					
2 GEL VOR	S28 47.4 E114 42.4	---/043			
2 RARIE	S25 52.1 E117 33.3	040/040	232	4100/4100	L
4 NWN VOR	S23 25.3 E119 48.2	038/045	191	4700/4700	L
4 DAZZA	S21 29.9 E121 59.3	044/044	167	4100/4100	L
2 TURET	S19 57.1 E123 40.8	043/043	133	3000/3300	L
2 FTZ NDB	S18 11.1 E125 33.4	042/049	150	2700/2700	L
2 KU VOR	S15 46.5 E128 42.5	048/---	231	4700/4700	L
ATS ROUTE W397 T/W					
1 SU VOR	S26 35.9 E153 05.4	---/317			
3 CLAMP	S26 05.4 E152 44.0	317/317	36	3000/4300	L
1 KASPA	S25 48.8 E152 32.2	317/317	20	3400/4300	L
2 KETEN	S25 04.3 E152 01.5	318/318	52	3900/4300	L
3 GLA VOR	S23 51.9 E151 12.3	319/---	85	4500/4600	L
ATS ROUTE W399 T/W					
1 COR NDB	S35 59.2 E146 21.4	---/057			
5 HBK NDB	S35 37.5 E147 28.0	056/047	58	3600/3600	L
3 YAS NDB	S34 49.7 E149 02.5	046/---	91	6000/6000	L
ATS ROUTE W402 T/W					
1 BKT NDB	S17 45.1 E139 31.9	---/082			
2 NTN NDB	S17 41.7 E141 04.4	082/---	88	1500/1500	L
ATS ROUTE W403 T/W					
1 KMP NDB	S31 03.5 E152 47.4	---/213			
3 SORTI	S31 49.3 E151 52.8	214/---	65	5900/6700	L
ATS ROUTE W404 T/W					
4 ARG VOR	S16 37.9 E128 26.9	---/237			
3 SUNIL	S16 56.0 E127 53.9	237/237	36	4700/4000	L
2 FTZ NDB	S18 11.1 E125 33.4	238/271	154	4700/4700	L
2 ALIRA	S18 03.8 E123 48.8	272/272	100	2600/2600	L
3 BRM NDB	S17 56.8 E122 14.1	272/---	90	2600/2600	L
ATS ROUTE W405 T/W					
3 ML VOR	S37 39.6 E144 50.5	---/187			
1 SIMON	S38 08.1 E144 38.5	187/187	30	2100/2100	L
1 TAITE	S38 31.5 E144 28.4	187/187	25	1900/2200	L
2 ROHAN	S39 14.4 E144 09.8	187/187	45	1800/2300	L
4 KII NDB	S39 53.3 E143 52.5	187/---	41	1800/1800	L
ATS ROUTE W407 LIMITED SEG T/W					
2 ESL NDB	S38 06.7 E147 09.6	---/149			
2 FLI NDB	S40 05.7 E148 00.9	147/157	125	3100/3100	L
2 STH NDB	S41 20.1 E148 16.9	156/186	75	4000/4000	L
2 HB VOR	S42 50.8 E147 31.6	186/---	97	4800/6000	L
ATS ROUTE W408 T/W					
3 KG VOR	S30 47.4 E121 27.2	---/044			
2 LINDO	S28 24.2 E124 09.6	042/042	201	3200/3300	L
3 WBR NDB	S26 07.7 E126 34.8	040/074	188	3400/3400	L
3 ROOKS	S25 28.0 E129 41.6	072/072	173	5600/5600	L
2 AYE NDB	S25 10.4 E130 58.5	071/---	72	5600/5600	B
ATS ROUTE W410 T/W					
5 SRN NDB	S42 09.2 E145 17.7	---/053			
2 IRONS	S41 46.4 E146 27.7	052/054	57	6700/6700	L
3 LT VOR	S41 32.6 E147 12.8	053/062	36	6300/6300	L
2 STH NDB	S41 20.1 E148 16.9	061/---	50	6600/6600	L
ATS ROUTE W412 T/W					
4 DU VOR	S32 13.2 E148 34.7	---/295			
1 YWRN AD	S31 44.0 E147 48.2	296/278	49	2600/2600	L
2 NYN NDB	S31 33.1 E147 11.7	279/---	33	2100/2100	L
ATS ROUTE W414 T/W					
3 SWH NDB	S35 22.8 E143 32.4	---/214			
1 WKB NDB	S36 19.2 E142 24.7	215/199	79	2000/2000	L
1 HSM NDB	S36 40.3 E142 10.1	199/---	24	2600/2600	L
ATS ROUTE W417 T/W					
1 DBY NDB	S17 21.4 E123 40.0	---/112			
2 FTZ NDB	S18 11.1 E125 33.4	111/106	119	2600/2600	L
1 YMGR ALA	S18 37.3 E126 53.0	106/060	80	3300/3300	L
1 HLC NDB	S18 14.0 E127 40.3	059/---	51	3700/3700	L
ATS ROUTE W418 T/W					
1 HML NDB	S37 39.0 E142 03.5	---/092			
1 AV VOR	S38 02.9 E144 27.5	090/---	117	4100/4100	L
ATS ROUTE W419 T/W					
3 BTH NDB	S33 24.8 E149 39.4	---/231			
3 CWR VOR	S33 50.9 E148 38.7	231/232	57	5400/5400	L
4 NAR VOR	S34 42.1 E146 31.0	234/225	118	3900/3900	L
3 DLQ NDB	S35 33.1 E144 57.1	226/---	92	2100/2100	L
ATS ROUTE W421 T/W					
3 GTH VOR	S34 15.0 E146 03.9	---/344			
3 CBA NDB	S31 32.4 E145 47.9	345/355	163	3200/3200	L
3 BKE NDB	S30 02.6 E145 57.0	355/---	90	3000/3000	L
ATS ROUTE W422 T/W					
1 EN NDB	S37 43.6 E144 54.7	---/234			
1 TEMPL	S37 52.6 E144 29.7	234/---	22	2600/2600	L

Chart Depiction. The following waypoint numbering is indicative of the presentation on Charts

1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE W423 T/W					
3 BTH NDB	S33 24.8 E149 39.4	---/178			
1 CULIN	S34 44.4 E149 23.4	177/184	81	5600/5600	L
3 CB VOR	S35 16.9 E149 11.7	184/---	34	4600/4600	B
ATS ROUTE W424 T/W					
3 AY VOR	S36 04.1 E146 58.0	---/242			
1 SHT NDB	S36 25.7 E145 23.8	243/226	79	3200/3200	L
1 CANTY	S36 48.4 E144 39.1	227/---	43	3000/3400	L
ATS ROUTE W426 T/W					
3 AD VOR	S34 56.8 E138 31.5	---/043			
1 GULLY	S34 47.4 E138 45.6	043/043	15	3500/3800	L
1 SFL NDB	S34 23.5 E139 21.0	042/029	38	3800/3500	L
5 TRUMP	S33 53.1 E139 48.5	028/028	38	2100/2000	L
4 KONDO	S33 09.8 E140 27.1	028/029	54	2100/2000	L
2 BHI VOR	S32 00.0 E141 28.8	028/---	87	2800/2600	L
ATS ROUTE W428 T/W					
2 LEC VOR	S30 35.8 E138 25.7	---/112			
3 LAROO	S31 16.7 E139 52.7	110/110	85	5000/5000	L
2 BHI VOR	S32 00.0 E141 28.8	109/094	93	3200/2600	L
5 MANNA	S32 27.3 E143 56.6	092/092	128	2700/2800	L
3 WILLY	S32 47.0 E145 53.7	090/090	101	3300/3300	L
2 PKS VOR	S33 07.9 E148 14.2	088/---	120	3400/3300	L
ATS ROUTE W429 T/W					
1 COR NDB	S35 59.2 E146 21.4	---/088			
3 AY VOR	S36 04.1 E146 58.0	087/---	30	3200/3200	L
ATS ROUTE W430 T/W					
1 RIC TAC	S33 36.4 E150 47.9	---/146			
1 GLF NDB	S33 59.2 E150 58.6	146/183	24	2100/2100	L
3 WOL NDB	S34 33.5 E150 47.5	182/---	35	3600/3600	L
ATS ROUTE W431 T/W					
3 WG VOR	S35 09.9 E147 28.1	---/029			
1 CTM NDB	S34 37.6 E148 01.8	029/014	43	4600/4600	L
1 YNG NDB	S34 15.0 E148 14.8	014/---	25	3400/3400	L
ATS ROUTE W434 T/W					
3 TW VOR	S31 04.0 E150 49.8	---/040			
4 ARM NDB	S30 31.6 E151 36.9	040/047	52	5700/5700	L
3 GFN NDB	S29 45.6 E153 01.6	046/---	87	6300/6600	L
ATS ROUTE W436 T/W					
3 NWA NDB	S34 57.1 E150 31.8	---/186			
4 MRY NDB	S35 53.9 E150 08.6	186/178	60	4200/4400	L
1 MER NDB	S36 54.9 E149 54.0	178/179	62	4100/4100	L
3 MCO VOR	S37 35.8 E149 43.1	179/201	42	4300/4300	L
3 CHOMP	S38 45.9 E148 41.5	202/202	85	3100/4500	L
2 NIFTI	S39 53.9 E147 39.1	202/202	83	4000/3100	L
2 DPO VOR	S41 10.2 E146 26.1	203/---	94	6200/3100	L
ATS ROUTE W437 T/W					
3 COM NDB	S36 21.2 E148 57.5	---/030			
3 NWA NDB	S34 57.1 E150 31.8	029/---	114	6300/6300	L
ATS ROUTE W438 T/W					
1 WGT NDB	S36 25.3 E146 18.3	---/215			
3 SBG NDB	S36 51.2 E145 44.3	215/---	38	4100/4100	L
ATS ROUTE W439 T/W					
1 JACKA	S38 46.2 E145 15.8	---/172			
3 AUDRA	S40 00.0 E145 09.7	171/172	74	2000/2300	L
1 SMI NDB	S40 50.0 E145 04.9	171/---	50	1900/1900	L

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE W440 T/W					
3 BIK VOR	S34 10.7 E150 06.4	---/291			
1 HOGAN	S33 53.4 E149 34.9	292/292	31	5900/5900	L
2 PKS VOR	S33 07.9 E148 14.2	293/296	81	6100/6100	L
3 GAVAS	S32 20.0 E146 59.6	297/297	79	3300/3300	L
3 CBA NDB	S31 32.4 E145 47.9	298/---	77	3300/3300	L
ATS ROUTE W441 T/W					
3 ELW VOR	S37 12.4 E145 50.1	---/076			
3 LVG VOR	S37 08.5 E147 33.1	074/071	82	7300/7300	L
1 MER NDB	S36 54.9 E149 54.0	069/---	114	6900/6900	L
ATS ROUTE W444 T/W					
1 PH VOR	S31 56.7 E115 57.6	---/065			
3 CKL NDB	S31 41.0 E116 33.7	064/011	35	3000/2900	L
1 BIU VOR	S30 35.6 E116 46.8	010/001	66	2800/2800	L
2 AVKAN	S29 22.2 E116 46.7	000/---	73	3900/3900	L
ATS ROUTE W446 T/W					
1 NICLA	S32 03.1 E152 00.3	---/022			
1 KMP NDB	S31 03.5 E152 47.4	022/357	72	5500/5000	L
3 GFN NDB	S29 45.6 E153 01.6	357/001	79	5300/5600	L
3 LIS NDB	S28 49.4 E153 15.4	001/---	57	2400/2600	L
ATS ROUTE W448 T/W					
4 MIA VOR	S34 13.6 E142 05.2	---/276			
3 MEECE	S33 37.6 E139 38.1	279/279	128	4000/4000	L
3 WHA NDB	S33 03.5 E137 31.5	281/---	111	4500/4500	L
ATS ROUTE W449 T/W					
2 ESL NDB	S38 06.7 E147 09.6	---/248			
3 LTV NDB	S38 12.2 E146 28.5	248/267	33	2400/2400	L
3 BRONS	S38 09.2 E146 06.1	267/270	18	3100/3100	L
1 WAREN	S38 01.0 E145 18.7	271/271	38	4400/4400	L
1 MB NDB	S37 58.6 E145 05.4	271/268	11	2600/2600	L
1 YMPC AD	S37 55.9 E144 45.2	268/274	16	1800/1800	L
1 TEMPL	S37 52.6 E144 29.7	274/---	13	2900/2400	L
ATS ROUTE W451 T/W					
3 GTH VOR	S34 15.0 E146 03.9	---/258			
3 LEYOX	S34 15.3 E144 05.3	260/260	98	2200/2200	L
4 MIA VOR	S34 13.6 E142 05.2	262/262	100	2200/2200	L
3 REN NDB	S34 11.5 E140 40.6	263/---	70	1700/1700	L
ATS ROUTE W456 T/W					
3 NBR NDB	S30 19.2 E149 49.9	---/350			
3 MOR NDB	S29 29.8 E149 51.1	351/---	49	3200/3200	L
ATS ROUTE W457 T/W					
3 LTV NDB	S38 12.2 E146 28.5	---/136			
2 FLI NDB	S40 05.7 E148 00.9	133/---	134	3900/6500	L
ATS ROUTE W460 T/W					
3 RIC NDB	S33 35.8 E150 46.6	---/268			
3 BTH NDB	S33 24.8 E149 39.4	269/271	57	5600/5600	L
2 PKS VOR	S33 07.9 E148 14.2	272/---	73	6100/6100	L
ATS ROUTE W462 T/W					
5 SRN NDB	S42 09.2 E145 17.7	---/100			
5 BROAD	S42 31.9 E146 28.8	099/098	57	6200/6200	L
2 HB VOR	S42 50.8 E147 31.6	097/---	50	6200/6200	L
ATS ROUTE W463 T/W					
2 WLG VOR	S30 01.7 E148 07.7	---/325			
5 BEETI	S28 03.2 E147 05.3	326/326	130	2300/2300	L
3 CV VOR	S26 25.3 E146 16.0	327/---	107	2800/2600	L

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1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE W465 T/W					
3 MNG VOR	S36 53.2 E145 11.7	---/052			
1 WGT NDB	S36 25.3 E146 18.3	051/045	60	4000/4000	L
3 AY VOR	S36 04.1 E146 58.0	045/---	38	4200/4200	L
ATS ROUTE W466 T/W					
1 HAY NDB	S34 32.5 E144 50.0	---/087			
4 NAR VOR	S34 42.1 E146 31.0	085/110	84	2100/2100	L
3 WG VOR	S35 09.9 E147 28.1	109/---	55	2700/2700	L
ATS ROUTE W468 T/W					
3 WON VOR	S38 28.3 E145 37.4	---/251			
3 CWS VOR	S38 30.5 E145 12.8	252/338	19	2300/2300	L
1 MB NDB	S37 58.6 E145 05.4	338/---	32	2100/2100	L
ATS ROUTE W469 T/W					
2 TL VOR	S19 14.7 E146 45.5	---/229			
1 MARON	S19 34.7 E146 13.8	229/229	36	4200/4200	L
2 FORMA	S20 04.7 E145 25.9	229/229	54	4700/4700	L
3 HUG VOR	S20 48.8 E144 13.4	230/207	81	4700/4700	L
3 WTN NDB	S22 21.9 E143 05.0	207/---	113	3000/3000	L
ATS ROUTE W472 T/W					
3 MK VOR	S21 10.4 E149 11.2	---/193			
3 ISAAK	S22 22.9 E148 40.5	193/193	78	5000/5000	L
2 EML NDB	S23 34.0 E148 10.3	193/---	76	4300/4300	L
ATS ROUTE W473 T/W					
2 DN VOR	S12 25.4 E130 54.4	---/103			
3 MITTY	S12 48.1 E132 12.9	103/103	80	1900/3000	L
3 DUMPA	S13 26.9 E134 30.8	102/102	140	3300/3300	L
2 GTE NDB	S13 58.5 E136 27.3	101/103	118	3300/3300	L
5 ARGON	S14 25.1 E137 57.3	102/102	91	2200/2200	L
5 JUDIE	S15 00.1 E140 00.0	101/101	124	1500/1500	L
3 KOW NDB	S15 28.8 E141 44.9	100/032	105	1500/1500	L
3 COE NDB	S13 46.0 E143 07.0	032/005	130	3500/3500	L
3 LHR NDB	S12 47.3 E143 18.2	005/---	59	3600/3600	L
ATS ROUTE W475 T/W					
1 COR NDB	S35 59.2 E146 21.4	---/250			
1 ECH NDB	S36 09.9 E144 45.9	252/254	78	2300/2300	L
1 WKB NDB	S36 19.2 E142 24.7	256/260	115	2800/2800	L
4 NHL VOR	S36 18.9 E141 38.7	261/254	37	2100/2100	L
3 BOR VOR	S36 23.6 E140 44.5	255/274	44	2100/2100	L
1 KSC NDB	S35 42.6 E137 30.8	278/---	162	2700/2000	L
ATS ROUTE W476 T/W					
4 MIA VOR	S34 13.6 E142 05.2	---/164			
2 TIEGA	S35 03.5 E142 12.6	163/163	50	1800/1800	L
1 WKB NDB	S36 19.2 E142 24.7	162/---	76	1800/1800	L
ATS ROUTE W477 T/W					
1 SHT NDB	S36 25.7 E145 23.8	---/188			
3 MNG VOR	S36 53.2 E145 11.7	188/197	29	3000/3000	L
1 VIOLA	S37 05.8 E145 03.0	197/197	14	4100/4100	L
1 BOL NDB	S37 27.7 E144 47.9	198/---	25	4100/4100	L
ATS ROUTE W478 T/W					
1 RUG NDB	S34 23.2 E148 58.5	---/241			
1 CTM NDB	S34 37.6 E148 01.8	241/254	49	3900/3900	L
4 NAR VOR	S34 42.1 E146 31.0	256/---	75	3800/3800	L
ATS ROUTE W480 T/W					
3 WP VOR	S12 40.4 E141 55.3	---/128			
3 COE NDB	S13 46.0 E143 07.0	127/124	96	3500/3500	L
2 PANTO	S14 44.6 E144 19.9	123/124	92	4100/4100	L
2 CKN NDB	S15 26.9 E145 11.2	124/---	65	3500/3200	L

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE W481 T/W					
4 MIA VOR	S34 13.6 E142 05.2	---/125			
3 SWH NDB	S35 22.8 E143 32.4	123/118	100	1800/1800	L
1 ECH NDB	S36 09.9 E144 45.9	117/143	76	2100/2100	L
3 MNG VOR	S36 53.2 E145 11.7	143/148	48	3000/3000	L
1 LACEY	S37 33.1 E145 30.2	148/---	43	5200/5500	L
ATS ROUTE W482 T/W					
3 HID NDB	S10 35.5 E142 17.6	000/---	105	0/0	
ATS ROUTE W483 T/W					
1 MGD NDB	S12 03.8 E134 13.9	---/242			
1 YJAB AD	S12 39.5 E132 53.6	242/273	86	3000/3400	L
1 KARRA	S12 35.1 E132 15.6	273/273	37	3000/3400	L
2 DN VOR	S12 25.4 E130 54.4	274/---	80	2400/1900	L
ATS ROUTE W486 T/W					
1 ABA NDB	S34 57.1 E117 48.6	---/072			
4 HOODY	S34 24.9 E119 34.6	070/070	93	3300/4700	L
3 ESP VOR	S33 40.8 E121 49.4	067/066	120	3200/3200	L
3 JAMBO	S32 51.6 E124 00.0	063/063	120	3000/3400	L
2 CAG VOR	S32 15.8 E125 29.7	062/056	84	3000/3400	L
2 FRT NDB	S30 51.3 E128 06.0	053/103	158	2100/2100	L
3 ENTRE	S31 32.0 E130 56.9	100/100	152	2100/2100	B
2 CDU NDB	S32 07.6 E133 43.6	098/141	146	2100/2100	B
2 MTP VOR	S34 08.1 E135 20.4	139/130	145	2200/2100	L
1 PLC NDB	S34 36.3 E135 52.4	130/---	39	2900/2900	L
ATS ROUTE W487 T/W					
3 RIC NDB	S33 35.8 E150 46.6	---/342			
3 QDI NDB	S31 29.6 E150 31.4	343/---	127	5600/5600	L
ATS ROUTE W488 T/W					
1 WJS VOR	S35 15.6 E148 40.1	---/282			
3 GTH VOR	S34 15.0 E146 03.9	285/---	142	5500/5500	L
ATS ROUTE W491 T/W					
3 WG VOR	S35 09.9 E147 28.1	---/000			
1 FBS NDB	S33 21.9 E147 55.7	001/---	110	3900/3900	L
ATS ROUTE W492 T/W					
1 MTI NDB	S16 39.5 E139 10.2	---/114			
2 NTN NDB	S17 41.7 E141 04.4	113/---	126	1500/1500	L
ATS ROUTE W493 T/W					
3 LRE VOR	S23 25.5 E144 16.9	---/269			
3 BRIDE	S23 11.4 E142 08.5	270/270	119	2700/2700	L
3 BOU NDB	S22 54.9 E139 54.4	272/---	125	2700/2400	L
ATS ROUTE W494 T/W					
3 JCW VOR	S27 45.7 E153 20.1	---/133			
1 FAUKS	S28 24.6 E153 51.6	133/200	48	2700/2700	L
1 BNA NDB	S28 50.1 E153 33.7	200/253	30	2500/2500	L
3 GAMBL	S28 52.5 E153 02.9	254/---	27	2700/2700	L
ATS ROUTE W495 T/W					
1 PLE NDB	S37 43.2 E145 06.7	---/140			
1 WAREN	S38 01.0 E145 18.7	140/177	20	4000/4000	L
3 CWS VOR	S38 30.5 E145 12.8	177/160	30	3600/3600	L
1 JACKA	S38 46.2 E145 15.8	159/159	16	1600/1700	L
2 CAMUS	S40 00.0 E145 30.8	158/158	75	1600/1700	L
3 WYY VOR	S41 00.0 E145 43.6	158/---	61	2300/2300	L
ATS ROUTE W496 T/W					
2 NYN NDB	S31 33.1 E147 11.7	---/338			
1 BRW NDB	S29 58.5 E146 48.7	338/---	96	2200/2200	L

Chart Depiction. The following waypoint numbering is indicative of the presentation on Charts

1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE W497 T/W					
1 RUG NDB	S34 23.2 E148 58.5	---/226			
3 WG VOR	S35 09.9 E147 28.1	227/247	88	4600/4600	L
3 DLQ NDB	S35 33.1 E144 57.1	249/---	126	3300/3300	L
ATS ROUTE W499 T/W					
1 YINJ ALA	S25 51.0 E148 33.0	---/154			
2 ROM NDB	S26 32.6 E148 46.9	154/177	43	3300/4500	L
2 SGE NDB	S28 02.8 E148 35.8	176/202	91	3000/3000	L
1 YDBI AD	S28 35.5 E148 13.0	202/---	38	2400/2800	L
ATS ROUTE W501 T/W					
3 WHA NDB	S33 03.5 E137 31.5	---/008			
3 PAG NDB	S32 31.6 E137 42.1	008/011	33	2400/2400	L
5 TORRA	S31 25.4 E138 07.2	010/010	69	4200/4200	L
2 LEC VOR	S30 35.8 E138 25.7	010/025	52	3700/3700	L
3 APOVO	S29 25.5 E139 16.4	024/024	83	3100/3800	L
2 OOM NDB	S28 06.3 E140 11.9	024/---	93	2000/2000	L
ATS ROUTE W503 T/W					
3 BAR NDB	S23 33.5 E145 17.9	---/083			
2 EML NDB	S23 34.0 E148 10.3	081/085	158	4500/4500	L
1 YBTR AD	S23 36.2 E148 48.4	084/073	35	4100/2700	L
3 RK VOR	S23 23.0 E150 28.3	072/---	93	4100/4100	L
ATS ROUTE W504 T/W					
3 BCK NDB	S24 25.6 E145 26.2	---/101			
3 OLLIE	S25 05.1 E147 30.3	100/100	120	5500/5500	L
3 TAM VOR	S25 48.2 E149 53.8	098/096	137	5500/5500	L
3 SANDI	S26 17.4 E151 49.0	095/095	108	3900/3500	L
1 SU VOR	S26 35.9 E153 05.4	094/---	71	4300/4000	L
ATS ROUTE W509 T/W					
3 CWR VOR	S33 50.9 E148 38.7	---/297			
1 FBS NDB	S33 21.9 E147 55.7	298/---	46	3800/3800	L
ATS ROUTE W512 T/W					
1 YBTR AD	S23 36.2 E148 48.4	---/110			
3 TNG NDB	S24 29.6 E150 34.2	109/033	111	4500/4500	L
3 GLA VOR	S23 51.9 E151 12.3	033/---	51	4400/4300	L
ATS ROUTE W514 T/W					
2 WLG VOR	S30 01.7 E148 07.7	---/104			
3 TW VOR	S31 04.0 E150 49.8	102/---	153	4500/4300	L
ATS ROUTE W516 T/W					
2 BHI VOR	S32 00.0 E141 28.8	---/085			
3 AREST	S32 11.1 E145 51.8	081/081	224	3200/3200	L
4 DU VOR	S32 13.2 E148 34.7	079/---	138	3300/3300	L
ATS ROUTE W517 T/W					
3 JCW VOR	S27 45.7 E153 20.1	---/172			
3 LIS NDB	S28 49.4 E153 15.4	172/---	64	5300/5300	L
ATS ROUTE W518 T/W					
1 MRB NDB	S22 03.7 E148 04.5	---/113			
3 PLUTO	S22 57.4 E149 40.9	112/111	104	3500/3500	L
3 RK VOR	S23 23.0 E150 28.3	111/---	51	3300/3300	L
ATS ROUTE W519 T/W					
3 AD VOR	S34 56.8 E138 31.5	---/130			
1 LRT NDB	S35 41.3 E139 20.9	129/143	60	3800/3800	L
3 SWELL	S36 08.0 E139 39.1	142/142	31	1700/1700	L
3 MTG VOR	S37 45.1 E140 47.1	141/126	111	2500/2100	L
3 POD NDB	S38 18.9 E141 28.4	126/121	47	2200/2200	L
4 KII NDB	S39 53.3 E143 52.5	118/124	147	2200/2200	L
1 SMI NDB	S40 50.0 E145 04.9	123/126	79	2200/1900	L
2 SALEM	S41 52.6 E146 17.6	125/125	83	6700/6700	L
1 CLARK	S42 28.4 E147 00.7	123/120	48	6700/6700	L
1 TTR NDB	S42 41.5 E147 18.8	120/120	19	5700/5700	L
2 HB VOR	S42 50.8 E147 31.6	120/---	13	4400/5200	L
ATS ROUTE W524 T/W					
3 WG VOR	S35 09.9 E147 28.1	---/216			
1 COR NDB	S35 59.2 E146 21.4	217/214	73	3200/3200	L
3 MNG VOR	S36 53.2 E145 11.7	215/---	78	3300/3300	L
ATS ROUTE W528 T/W					
2 TL VOR	S19 14.7 E146 45.5	---/248			
2 PENNY	S19 37.1 E145 13.1	249/249	90	4300/4900	L
2 KIPPA	S20 04.7 E143 13.7	250/250	116	4900/4900	L
3 RACEV	S20 30.5 E141 15.4	251/251	114	4400/4100	L
2 CCY NDB	S20 39.9 E140 30.1	251/---	44	2400/2400	L
ATS ROUTE W529 T/W					
4 MRY NDB	S35 53.9 E150 08.6	---/295			
3 CB VOR	S35 16.9 E149 11.7	296/---	59	5900/5900	L
ATS ROUTE W533 T/W					
3 KG VOR	S30 47.4 E121 27.2	---/020			
2 RILLA	S29 31.9 E122 00.9	020/020	81	3100/3100	L
1 LTN NDB	S28 36.7 E122 25.4	019/---	59	3200/3200	L
ATS ROUTE W534 T/W					
1 SU VOR	S26 35.9 E153 05.4	---/297			
3 GAY NDB	S25 35.7 E151 40.4	298/313	97	3800/3800	L
2 COBES	S23 16.9 E149 49.8	315/315	171	4600/4600	L
2 CSV VOR	S20 35.5 E147 47.1	317/---	197	5700/5200	L
ATS ROUTE W535 T/W					
2 NYN NDB	S31 33.1 E147 11.7	---/122			
3 WEAVA	S32 17.1 E148 08.8	121/121	65	2300/2300	L
3 BTH NDB	S33 24.8 E149 39.4	119/---	102	6500/5100	L
ATS ROUTE W536 T/W					
3 LHR NDB	S12 47.3 E143 18.2	---/353			
4 REEFE	S11 00.0 E143 15.5	353/353	107	3200/3600	B
ATS ROUTE W538 T/W					
1 MB NDB	S37 58.6 E145 05.4	---/210			
1 TAITE	S38 31.5 E144 28.4	210/---	44	1900/2700	L
ATS ROUTE W539 T/W					
1 YKMB AD	S17 27.3 E140 49.9	---/130			
2 NTN NDB	S17 41.7 E141 04.4	130/---	20	1500/1500	L
ATS ROUTE W540 T/W					
3 BTH NDB	S33 24.8 E149 39.4	---/310			
4 DU VOR	S32 13.2 E148 34.7	312/302	90	4700/4900	L
3 HUMOK	S31 19.2 E147 28.0	303/303	78	2600/2600	L
3 BKE NDB	S30 02.6 E145 57.0	305/---	110	2800/2400	L
ATS ROUTE W541 T/W					
1 MER NDB	S36 54.9 E149 54.0	---/293			
3 COM NDB	S36 21.2 E148 57.5	294/270	57	5600/5600	L
4 CRG NDB	S36 08.9 E147 51.7	271/264	55	8700/8700	L
3 AY VOR	S36 04.1 E146 58.0	265/275	44	5700/5700	L
3 DLQ NDB	S35 33.1 E144 57.1	277/267	103	3200/3200	L
3 SWH NDB	S35 22.8 E143 32.4	269/---	70	1800/1800	L
ATS ROUTE W542 T/W					
3 GDI NDB	S28 31.4 E150 19.6	---/069			
3 WICKA	S28 15.3 E151 57.7	068/068	88	4900/4900	L
1 ONDRA	S28 10.6 E152 25.3	068/068	25	5900/5900	L
3 LAV VOR	S28 05.4 E152 55.5	068/---	27	5900/5900	L

Chart Depiction. The following waypoint numbering is indicative of the presentation on Charts

1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE W544 T/W					
3 MA VOR	S20 39.9 E139 29.1	---/275			
3 SPEAR	S20 20.8 E137 44.6	276/276	100	3200/3200	L
3 METHL	S19 58.9 E135 52.0	277/277	108	2500/2500	L
4 TNK VOR	S19 38.1 E134 10.9	278/286	98	3100/3100	L
3 LAWSO	S18 59.6 E132 24.0	287/287	108	3100/3100	L
1 HOO NDB	S18 19.9 E130 38.2	288/---	108	2700/2500	L
ATS ROUTE W545 T/W					
3 WG VOR	S35 09.9 E147 28.1	---/084			
3 POPLA	S35 13.6 E148 16.0	083/084	39	4900/4900	L
1 WJS VOR	S35 15.6 E148 40.1	084/081	20	5900/5900	L
3 CB VOR	S35 16.9 E149 11.7	080/---	26	6100/6100	L
ATS ROUTE W547 T/W					
5 SRN NDB	S42 09.2 E145 17.7	---/340			
1 SMI NDB	S40 50.0 E145 04.9	340/---	80	4500/5200	L
ATS ROUTE W548 T/W					
3 WWL NDB	S33 56.1 E147 11.4	---/350			
1 CDO NDB	S33 04.2 E147 12.9	350/083	52	3000/3000	L
2 PKS VOR	S33 07.9 E148 14.2	082/---	52	3100/3100	L
ATS ROUTE W549 T/W					
3 CG VOR	S28 10.1 E153 30.2	---/187			
3 LIS NDB	S28 49.4 E153 15.4	187/---	41	5200/5200	L
ATS ROUTE W550 T/W					
4 MIA VOR	S34 13.6 E142 05.2	---/310			
3 ALTIR	S32 39.6 E140 30.2	312/310	123	3400/3700	L
2 LEC VOR	S30 35.8 E138 25.7	312/311	163	5200/5000	L
3 CALAR	S29 00.0 E136 49.9	313/313	127	3100/3100	L
3 OOD NDB	S27 33.3 E135 26.5	314/---	114	2800/2800	L
ATS ROUTE W551 T/W					
3 SCO NDB	S32 02.1 E150 49.9	---/155			
3 BEKAM	S32 30.6 E150 58.0	154/154	29	3700/3700	L
1 MQD NDB	S33 06.7 E151 08.4	154/126	37	3700/3700	L
1 YAKKA	S33 11.5 E151 13.4	126/---	6	2800/3100	L
ATS ROUTE W553 T/W					
3 LAV VOR	S28 05.4 E152 55.5	---/037			
3 JCW VOR	S27 45.7 E153 20.1	037/---	29	3300/3300	L
ATS ROUTE W557 T/W					
1 EDN NDB	S34 42.4 E138 37.9	---/054			
1 SFL NDB	S34 23.5 E139 21.0	053/078	40	3500/3500	L
5 KURLA	S34 20.7 E140 15.3	077/077	45	1900/1900	L
4 MIA VOR	S34 13.6 E142 05.2	076/---	91	1800/1800	L
ATS ROUTE W562 T/W					
2 FLI NDB	S40 05.7 E148 00.9	---/297			
3 WON VOR	S38 28.3 E145 37.4	300/307	148	3900/3900	L
1 MB NDB	S37 58.6 E145 05.4	308/---	39	2400/2400	L
ATS ROUTE W564 T/W					
4 KII NDB	S39 53.3 E143 52.5	---/117			
3 THRUM	S40 30.0 E144 52.9	116/116	59	2200/2200	L
2 WYY VOR	S41 00.0 E145 43.6	114/134	49	3000/3000	L
2 ATILA	S41 48.3 E146 25.2	133/133	58	6300/6700	L
1 CLARK	S42 28.4 E147 00.7	132/---	48	6300/6700	L
ATS ROUTE W565 T/W					
2 TRE NDB	S31 53.4 E152 30.6	---/286			
3 MSO NDB	S31 23.2 E151 24.7	287/---	64	6100/6100	L
ATS ROUTE W566 T/W					
3 WHA NDB	S33 03.5 E137 31.5	---/340			
2 NATTY	S31 33.4 E137 08.5	341/341	92	2700/2700	L
1 YOLD AD	S30 29.1 E136 52.6	341/---	66	2700/2700	L
ATS ROUTE W567 T/W					
3 HID NDB	S10 35.5 E142 17.6	---/150			
1 YNPE AD	S10 57.0 E142 27.6	150/150	24	2100/2100	L
3 LHR NDB	S12 47.3 E143 18.2	150/139	120	3200/3200	L
2 BENTA	S14 35.3 E144 37.1	138/141	132	3500/4100	L
2 CKN NDB	S15 26.9 E145 11.2	141/152	61	6100/3500	L
3 CS VOR	S16 51.0 E145 44.6	152/---	90	6000/6000	L
ATS ROUTE W569 T/W					
1 DOSEL	S37 09.9 E145 23.7	---/030			
3 SBG NDB	S36 51.2 E145 44.3	030/040	25	4100/4100	L
3 AY VOR	S36 04.1 E146 58.0	039/031	76	4400/4400	L
5 HBK NDB	S35 37.5 E147 28.0	031/034	36	4200/4200	L
1 RUG NDB	S34 23.2 E148 58.5	033/---	105	4600/4600	L
ATS ROUTE W571 T/W					
1 VIOLA	S37 05.8 E145 03.0	---/226			
3 YWE VOR	S37 44.3 E143 45.3	228/231	73	4500/4500	L
1 STONE	S38 00.6 E143 06.8	231/231	35	3000/3000	L
1 WBL NDB	S38 17.2 E142 27.2	232/---	35	2700/2700	L
ATS ROUTE W572 T/W					
3 OK VOR	S27 24.0 E151 44.3	---/207			
3 MOR NDB	S29 29.8 E149 51.1	208/156	160	3600/3600	L
3 GDH NDB	S30 57.2 E150 14.9	155/145	90	6500/6500	L
3 QDI NDB	S31 29.6 E150 31.4	145/---	35	3700/3700	L
ATS ROUTE W573 T/W					
3 MA VOR	S20 39.9 E139 29.1	---/111			
5 COLOP	S21 29.1 E141 11.2	110/110	107	3400/3400	L
3 WTN NDB	S22 21.9 E143 05.0	109/---	118	3100/3100	L
ATS ROUTE W575 T/W					
3 NWA NDB	S34 57.1 E150 31.8	---/323			
3 BIK VOR	S34 10.7 E150 06.4	323/321	51	5100/5100	L
1 WYATT	S33 54.3 E149 56.6	321/322	18	6000/6000	L
3 BTH NDB	S33 24.8 E149 39.4	322/345	33	6000/6000	L
2 MDG VOR	S32 33.7 E149 35.6	345/---	51	5600/5600	L
ATS ROUTE W577 T/W					
4 KII NDB	S39 53.3 E143 52.5	---/033			
2 SOFIE	S39 19.0 E144 35.6	032/032	48	1800/1800	L
1 JACKA	S38 46.2 E145 15.8	031/031	45	1500/1500	L
3 WON VOR	S38 28.3 E145 37.4	031/---	25	2400/2400	L
ATS ROUTE W582 T/W					
3 LAV VOR	S28 05.4 E152 55.5	---/203			
3 PARCU	S28 34.8 E152 32.9	203/203	35	5900/5900	L
3 GLI NDB	S29 40.3 E151 41.7	203/---	79	6400/6400	L
ATS ROUTE W584 T/W					
2 AS VOR	S23 47.6 E133 52.7	---/137			
3 DESET	S24 50.7 E134 46.2	137/137	80	4200/4600	L
4 TREBL	S26 51.5 E136 32.3	135/135	154	3100/3400	L
3 FLORA	S28 47.2 E138 18.7	133/133	149	2400/2400	L
4 ARANA	S30 13.1 E139 41.3	132/132	112	4900/4900	L
2 BHI VOR	S32 00.0 E141 28.8	130/159	141	4900/4900	L
5 PILTA	S33 11.5 E141 47.6	158/158	73	2600/2600	L
4 MIA VOR	S34 13.6 E142 05.2	157/169	64	1800/1800	L
2 GALAH	S35 04.9 E142 06.7	169/169	51	2200/2200	L
1 HSM NDB	S36 40.3 E142 10.1	168/175	95	2600/2600	L
1 HML NDB	S37 39.0 E142 03.5	175/204	59	4600/4600	L
3 POD NDB	S38 18.9 E141 28.4	205/---	49	2900/2500	L
ATS ROUTE W590 T/W					
3 GDI NDB	S28 31.4 E150 19.6	---/192			

Chart Depiction. The following waypoint numbering is indicative of the presentation on Charts

1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
3 MOR NDB	S29 29.8 E149 51.1	193/---	63	2300/2300	L
ATS ROUTE W592 T/W					
2 EML NDB	S23 34.0 E148 10.3	---/348			
1 MRB NDB	S22 03.7 E148 04.5	348/041	90	4200/4200	L
3 MK VOR	S21 10.4 E149 11.2	041/---	82	5000/5000	L
ATS ROUTE W593 T/W					
4 BGO NDB	S20 08.2 E127 59.3	---/348			
1 HLC NDB	S18 14.0 E127 40.3	348/006	115	3400/3400	L
3 SUNIL	S16 56.0 E127 53.9	006/007	79	3900/3900	L
2 WYM NDB	S15 30.6 E128 09.1	007/---	86	3900/3900	L
ATS ROUTE W595 T/W					
3 KAT NDB	S33 42.6 E150 18.0	---/276			
3 LOWDI	S33 31.4 E149 36.8	276/277	36	5900/6000	L
1 ORG NDB	S33 23.0 E149 07.5	277/277	26	5200/5200	L
2 PKS VOR	S33 07.9 E148 14.2	278/---	47	6100/6100	L
ATS ROUTE W596 T/W					
3 GV VOR	S12 15.9 E136 49.0	---/187			
5 KELVN	S13 09.4 E136 37.7	187/187	54	1900/1900	L
2 GTE NDB	S13 58.5 E136 27.3	187/241	50	1900/1900	L
1 NGU NDB	S14 43.5 E134 44.3	242/---	110	2100/2100	L
ATS ROUTE W598 T/W					
1 ROONY	S28 31.5 E153 36.2	---/214			
3 LIS NDB	S28 49.4 E153 15.4	214/243	26	0/3800	L
3 GAMBL	S28 52.5 E153 02.9	243/227	11	2700/2700	L
2 IVL NDB	S29 53.1 E151 08.4	228/---	117	6400/6400	L
ATS ROUTE W603 T/W					
2 CFS VOR	S30 19.2 E153 07.3	---/186			
2 TRE NDB	S31 53.4 E152 30.6	186/200	99	4000/4000	L
3 WLM NDB	S32 48.2 E151 49.7	200/208	65	3700/3700	L
1 VONNI	S33 12.9 E151 24.3	209/209	33	3000/3000	L
3 CAA NDB	S33 24.2 E151 12.7	209/---	15	2700/2700	L
ATS ROUTE W604 T/W					
3 KAT NDB	S33 42.6 E150 18.0	---/320			
3 BENBU	S33 11.8 E149 58.9	321/321	35	5600/5900	L
2 MDG VOR	S32 33.7 E149 35.6	321/---	43	5500/5600	L
ATS ROUTE W605 T/W					
3 WP VOR	S12 40.4 E141 55.3	---/250			
5 HEALE	S13 08.8 E140 00.0	251/251	116	1900/1900	L
5 HOKOR	S13 37.3 E138 00.0	252/252	120	1500/1500	L
2 GTE NDB	S13 58.5 E136 27.3	253/257	93	2200/2200	L
1 SUNIX	S14 11.3 E134 55.4	258/258	90	2300/2300	L
3 BOBIK	S14 18.1 E134 04.4	258/258	50	2600/2400	L
4 TN VOR	S14 31.2 E132 22.3	259/211	100	2900/2600	L
3 VRD NDB	S16 24.3 E131 00.4	212/187	138	2400/2400	L
1 HOO NDB	S18 19.9 E130 38.2	187/---	117	2800/2600	L
ATS ROUTE W606 T/W					
3 WLM NDB	S32 48.2 E151 49.7	---/333			
3 MSO NDB	S31 23.2 E151 24.7	334/339	87	6600/6600	L
2 IVL NDB	S29 53.1 E151 08.4	340/---	91	5900/5900	L
ATS ROUTE W608 T/W					
2 TRE NDB	S31 53.4 E152 30.6	---/265			
3 SORTI	S31 49.3 E151 52.8	265/---	32	5000/6700	L
ATS ROUTE W612 T/W					
1 CANTY	S36 48.4 E144 39.1	---/014			
3 GTH VOR	S34 15.0 E146 03.9	013/009	168	2900/3700	L
2 NYN NDB	S31 33.1 E147 11.7	009/018	171	3300/3300	L
3 LAYUP	S30 39.7 E147 44.7	017/017	60	2000/2300	L
2 WLG VOR	S30 01.7 E148 07.7	017/---	43	2000/2300	L
ATS ROUTE W613 T/W					
2 ROM NDB	S26 32.6 E148 46.9	---/340			
2 EML NDB	S23 34.0 E148 10.3	341/001	181	5500/5500	L
1 DYS NDB	S22 35.9 E148 21.1	001/326	59	4200/4200	L
1 MRB NDB	S22 03.7 E148 04.5	326/328	35	3000/3000	L
3 CHARD	S20 37.4 E147 23.9	328/328	94	3400/3700	L
3 TL VOR	S19 14.7 E146 45.5	329/---	90	5500/5500	L
ATS ROUTE W614 T/W					
3 VRD NDB	S16 24.3 E131 00.4	---/355			
3 NUTTA	S15 00.5 E130 58.3	355/355	83	2600/2600	L
3 JOSHU	S13 45.7 E130 56.4	355/355	75	2600/2600	L
2 DN VOR	S12 25.4 E130 54.4	355/---	80	2600/2600	L
ATS ROUTE W617 T/W					
1 CBP NDB	S29 01.9 E134 43.4	---/118			
5 BILIN	S29 53.7 E136 12.2	117/118	93	2200/2200	L
2 AMK NDB	S30 27.2 E137 10.0	117/---	60	2200/2100	L
ATS ROUTE W619 T/W					
3 CNM NDB	S30 58.5 E148 22.8	---/104			
5 CBB NDB	S31 19.8 E149 16.2	104/107	51	5400/5400	L
3 JODEX	S31 47.2 E150 16.2	106/106	58	5500/5500	L
3 SCO NDB	S32 02.1 E150 49.9	105/---	32	5500/5500	L
ATS ROUTE W622 T/W					
3 GV VOR	S12 15.9 E136 49.0	---/148			
3 HANKY	S15 08.6 E138 20.7	147/147	194	2200/2200	L
1 MTI NDB	S16 39.5 E139 10.2	147/---	102	1900/1900	L
ATS ROUTE W623 T/W					
3 BKE NDB	S30 02.6 E145 57.0	---/075			
1 BRW NDB	S29 58.5 E146 48.7	075/083	45	1900/1900	L
3 POKEY	S29 59.7 E147 15.1	083/083	23	2000/2000	L
2 WLG VOR	S30 01.7 E148 07.7	082/077	46	2000/2000	L
2 IVL NDB	S29 53.1 E151 08.4	075/075	157	6800/6000	L
3 GFN NDB	S29 45.6 E153 01.6	073/---	99	6400/6400	L
ATS ROUTE W625 T/W					
3 AMB NDB	S27 38.9 E152 43.4	---/222			
2 GEPEC	S27 46.2 E152 32.5	222/222	12	3000/3800	L
2 DEJAY	S28 50.5 E150 53.7	223/223	108	5200/5400	L
2 MOR NDB	S29 29.8 E149 51.1	224/---	67	3900/3900	L
ATS ROUTE W626 T/W					
2 CAR VOR	S24 52.9 E113 40.4	---/066			
3 MINNY	S24 02.3 E115 42.5	065/065	122	2800/2800	L
2 PBO VOR	S23 10.4 E117 44.2	063/---	123	5100/3700	L
ATS ROUTE W627 T/W					
2 MDG VOR	S32 33.7 E149 35.6	---/349			
1 YCAH AD	S31 46.4 E149 36.6	350/315	47	4300/4300	L
5 CBB NDB	S31 19.8 E149 16.2	316/---	32	4200/4200	L
ATS ROUTE W632 T/W					
4 NAR VOR	S34 42.1 E146 31.0	---/097			
1 WJS VOR	S35 15.6 E148 40.1	095/---	111	5700/5700	L
ATS ROUTE W635 T/W					
3 POD NDB	S38 18.9 E141 28.4	---/078			
1 WBL NDB	S38 17.2 E142 27.2	077/071	46	2200/2200	L
1 AV VOR	S38 02.9 E144 27.5	069/071	96	2500/2500	L
1 MB NDB	S37 58.6 E145 05.4	070/---	30	1700/1700	L
ATS ROUTE W636 T/W					
3 BUD NDB	S24 54.4 E152 19.2	---/305			
3 GLA VOR	S23 51.9 E151 12.3	306/296	87	3900/3900	L
3 RK VOR	S23 23.0 E150 28.3	296/---	50	3500/3500	L

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1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE W637 T/W					
3 TL VOR	S19 14.7 E146 45.5	---/239			
2 CARBY	S19 50.4 E145 17.8	240/240	90	4700/4900	L
3 RMD NDB	S20 41.9 E143 06.6	241/---	134	4700/4700	L
ATS ROUTE W638 T/W					
4 DU VOR	S32 13.2 E148 34.7	---/186			
2 PKS VOR	S33 07.9 E148 14.2	186/186	57	4000/4000	L
3 WG VOR	S35 09.9 E147 28.1	186/193	128	3800/3800	L
3 AY VOR	S36 04.1 E146 58.0	193/---	59	3600/3600	L
ATS ROUTE W639 T/W					
3 WWL NDB	S33 56.1 E147 11.4	---/240			
3 GTH VOR	S34 15.0 E146 03.9	241/243	59	3200/3200	L
1 HAY NDB	S34 32.5 E144 50.0	244/---	64	2200/2200	L
ATS ROUTE W643 T/W					
3 CB VOR	S35 16.9 E149 11.7	---/148			
3 PEAKE	S36 01.0 E149 30.6	148/148	47	6800/6800	L
1 MER NDB	S36 54.9 E149 54.0	147/---	57	6300/5900	L
ATS ROUTE W644 T/W					
3 CV VOR	S26 25.3 E146 16.0	---/319			
5 TERIK	S24 37.9 E145 03.9	321/321	125	3000/3000	L
3 LRE VOR	S23 25.5 E144 16.9	322/306	84	3300/3300	L
3 WTN NDB	S22 21.9 E143 05.0	307/297	92	2700/2700	L
5 DYMON	S21 32.2 E141 48.4	298/298	87	2500/2500	L
3 CCY NDB	S20 39.9 E140 30.1	299/---	90	2800/2800	L
ATS ROUTE W645 T/W					
1 YKER AD	S35 45.1 E143 56.4	---/152			
3 BDG NDB	S36 44.6 E144 19.6	151/---	62	2200/2200	L
ATS ROUTE W647 T/W					
5 CBB NDB	S31 19.8 E149 16.2	---/088			
3 QDI NDB	S31 29.6 E150 31.4	087/---	65	4400/4400	L
ATS ROUTE W649 T/W					
2 ESL NDB	S38 06.7 E147 09.6	---/295			
3 MNG VOR	S36 53.2 E145 11.7	297/340	119	6600/6600	L
3 DLQ NDB	S35 33.1 E144 57.1	341/---	81	3000/3000	L
ATS ROUTE W651 T/W					
3 GDI NDB	S28 31.4 E150 19.6	---/073			
3 SLIVA	S28 20.7 E152 01.1	072/072	90	5400/5200	L
1 VONDO	S28 18.1 E152 23.8	071/071	20	5900/5900	L
3 CG VOR	S28 10.1 E153 30.2	071/---	59	5900/5900	L
ATS ROUTE W652 T/W					
3 WOL NDB	S34 33.5 E150 47.5	---/321			
1 ODALE	S34 05.4 E150 31.1	322/322	31	3900/5900	L
1 WATLE	S33 55.3 E150 25.2	322/---	11	4700/5900	L
ATS ROUTE W654 T/W					
3 SBG NDB	S36 51.2 E145 44.3	---/029			
3 WG VOR	S35 09.9 E147 28.1	028/024	132	4200/4200	L
1 YNG NDB	S34 15.0 E148 14.8	023/028	67	4200/4200	L
3 CWR VOR	S33 50.9 E148 38.7	028/029	31	3700/3700	L
1 ORG NDB	S33 23.0 E149 07.5	029/---	37	5500/5500	L
ATS ROUTE W657 T/W					
1 ECH NDB	S36 09.9 E144 45.9	---/200			
3 BDG NDB	S36 44.6 E144 19.6	201/198	41	2300/2300	L
1 RAVEN	S36 54.6 E144 12.7	198/198	11	4000/4000	L
1 BLT NDB	S37 30.8 E143 47.4	198/176	41	4000/4000	L
3 YWE VOR	S37 44.3 E143 45.3	176/---	14	3500/3500	L

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE W660 T/W					
3 TL VOR	S19 14.7 E146 45.5	---/201			
2 BOWLY	S20 43.2 E145 53.3	202/201	101	3900/5500	L
5 FOYLE	S21 41.5 E145 19.5	201/201	66	3400/4700	L
3 LRE VOR	S23 25.5 E144 16.9	202/---	119	3100/3100	L
ATS ROUTE W661 T/W					
3 ML VOR	S37 39.6 E144 50.5	---/137			
1 MB NDB	S37 58.6 E145 05.4	136/---	22	2200/2200	L
ATS ROUTE W663 T/W					
3 MNG VOR	S36 53.2 E145 11.7	---/015			
4 NAR VOR	S34 42.1 E146 31.0	015/025	146	3000/3000	L
3 WWL NDB	S33 56.1 E147 11.4	025/036	57	2800/2800	L
1 FBS NDB	S33 21.9 E147 55.7	036/037	50	3200/3200	L
2 PKS VOR	S33 07.9 E148 14.2	037/---	21	3100/3100	L
ATS ROUTE W664 T/W					
3 RK VOR	S23 23.0 E150 28.3	---/273			
5 KANBU	S23 10.8 E149 29.0	274/274	56	3400/3400	L
3 CMT NDB	S22 46.4 E147 37.5	275/---	106	4300/4300	L
ATS ROUTE W667 T/W					
3 SBG NDB	S36 51.2 E145 44.3	---/068			
2 SNOWY	S36 32.1 E147 50.7	066/067	103	8700/8000	L
3 COM NDB	S36 21.2 E148 57.5	066/052	55	8700/8700	L
4 MRY NDB	S35 53.9 E150 08.6	051/---	64	6200/6100	L
ATS ROUTE W668 T/W					
1 DYS NDB	S22 35.9 E148 21.1	---/020			
3 MK VOR	S21 10.4 E149 11.2	020/---	97	5000/5000	L
ATS ROUTE W671 T/W					
3 CG VOR	S28 10.1 E153 30.2	---/215			
3 GANEE	S28 54.5 E152 37.5	215/215	64	5300/5300	L
3 GLI NDB	S29 40.3 E151 41.7	216/---	67	6400/6400	L
ATS ROUTE W673 T/W					
1 MB NDB	S37 58.6 E145 05.4	---/194			
2 ALPAL	S39 16.1 E144 16.7	195/195	86	2500/2500	L
4 KII NDB	S39 53.3 E143 52.5	195/---	42	1800/1800	L
ATS ROUTE W674 T/W					
3 WLM NDB	S32 48.2 E151 49.7	---/343			
1 CRAVN	S32 07.6 E151 46.0	343/343	41	5900/5900	L
2 JAFFA	S31 22.5 E151 41.6	343/344	45	6400/6400	L
4 ARM NDB	S30 31.6 E151 36.9	344/316	51	6200/6200	L
2 IVL NDB	S29 53.1 E151 08.4	316/---	46	6000/6000	L
ATS ROUTE W675 T/W					
3 MCO VOR	S37 35.8 E149 43.1	---/320			
3 COM NDB	S36 21.2 E148 57.5	321/301	83	6100/6100	L
1 MUSOP	S35 31.1 E147 54.2	303/303	72	8200/8200	L
3 WG VOR	S35 09.9 E147 28.1	303/272	30	4700/4700	L
3 RUNDA	S34 56.6 E146 23.4	273/276	55	2900/3300	L
1 HAY NDB	S34 32.5 E144 50.0	277/---	81	2200/2700	L
ATS ROUTE W676 T/W					
2 NYN NDB	S31 33.1 E147 11.7	---/260			
3 CBA NDB	S31 32.4 E145 47.9	261/252	72	2700/2700	L
3 COBHI	S31 47.9 E143 31.0	254/253	118	2400/2800	L
2 BHI VOR	S32 00.0 E141 28.8	255/---	105	2800/2800	L
ATS ROUTE W677 T/W					
2 CKN NDB	S15 26.9 E145 11.2	---/338			
2 MUNEL	S14 28.3 E144 55.2	339/336	60	3500/6100	B
2 GODIP	S12 00.2 E144 07.7	337/337	155	3500/3500	B
1 SARAK	S09 45.0 E143 25.3	337/337	141	2100/1600	B

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1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE W681 T/W					
3 YPIR AD	S33 14.3 E137 59.7	---/167			
3 ACTIN	S33 30.2 E138 01.6	167/---	16	2900/4600	L
ATS ROUTE W682 T/W					
2 MDG VOR	S32 33.7 E149 35.6	---/315			
5 DOORA	S31 54.4 E149 05.3	316/316	47	3800/4100	L
3 CNM NDB	S30 58.5 E148 22.8	316/---	67	5800/4400	L
ATS ROUTE W683 T/W					
1 YNG NDB	S34 15.0 E148 14.8	---/120			
3 YAS NDB	S34 49.7 E149 02.5	119/---	53	4100/4100	L
ATS ROUTE W684 T/W					
2 IVL NDB	S29 53.1 E151 08.4	---/182			
3 TW VOR	S31 04.0 E150 49.8	181/---	73	5200/5200	L
ATS ROUTE W685 T/W					
4 TNK VOR	S19 38.1 E134 10.9	---/090			
3 MOREL	S19 46.5 E136 00.1	089/089	103	3100/3100	L
5 CMW NDB	S19 54.9 E138 07.0	088/115	120	3100/3100	L
3 MA VOR	S20 39.9 E139 29.1	114/084	89	3200/3200	L
3 CCY NDB	S20 39.9 E140 30.1	084/084	57	3400/3400	L
3 JLC NDB	S20 39.9 E141 43.5	083/085	69	2400/2400	L
3 RMD NDB	S20 41.9 E143 06.6	084/090	78	2100/2100	L
3 HUG VOR	S20 48.8 E144 13.4	089/080	63	2800/2800	L
2 BOWLY	S20 43.2 E145 53.3	079/079	94	3600/4400	L
3 CSV VOR	S20 35.5 E147 47.1	077/075	107	3600/3400	L
3 PN VOR	S20 29.8 E148 33.2	074/061	44	4300/4300	L
3 HM VOR	S20 21.1 E148 57.4	061/---	24	3200/3200	L
ATS ROUTE W687 LIMITED SEG T/W					
1 WAREN	S38 01.0 E145 18.7	---/302			
3 ML VOR	S37 39.6 E144 50.5	302/---	31	3600/3600	L
ATS ROUTE W690 T/W					
1 MGD NDB	S12 03.8 E134 13.9	---/292			
1 YGBI AD	S11 39.0 E133 22.9	293/295	56	1900/1900	L
1 YCKI AD	S11 09.9 E132 29.0	295/---	60	1900/1900	L
ATS ROUTE W693 T/W					
3 GAY NDB	S25 35.7 E151 40.4	---/297			
3 LONER	S24 42.8 E150 23.2	298/297	88	3700/4600	L
1 YBTR AD	S23 36.2 E148 48.4	299/---	109	4600/4600	L
ATS ROUTE W694 T/W					
3 BN VOR	S27 22.0 E153 08.4	---/250			
2 SHANO	S27 28.4 E152 24.0	250/250	40	4100/4100	L
1 TWB NDB	S27 32.5 E151 54.7	250/249	26	4100/4100	L
1 LUKEY	S27 35.0 E151 39.6	249/249	14	3800/5500	L
3 LOFFA	S27 49.0 E150 11.3	250/250	80	3800/5500	L
2 SGE NDB	S28 02.8 E148 35.8	251/---	86	2800/2800	L
ATS ROUTE W695 T/W					
3 BRONS	S38 09.2 E146 06.1	---/075			
2 ESL NDB	S38 06.7 E147 09.6	074/064	50	4400/4400	L
3 TYERS	S37 54.6 E148 10.9	063/063	50	2600/2600	L
3 MCO VOR	S37 35.8 E149 43.1	062/---	76	4500/4500	L
ATS ROUTE W696 T/W					
3 ELW VOR	S37 12.4 E145 50.1	---/014			
1 WGT NDB	S36 25.3 E146 18.3	014/---	52	4700/4700	L
ATS ROUTE W697 T/W					
2 CMU VOR	S28 02.3 E145 37.4	---/163			
3 DALLY	S29 00.0 E145 46.7	163/163	58	3100/2400	L
3 BKE NDB	S30 02.6 E145 57.0	162/---	63	3100/2400	L
ATS ROUTE W698 T/W					
3 KRY NDB	S26 34.7 E151 50.7	---/341			
3 GAY NDB	S25 35.7 E151 40.4	341/---	60	3400/3100	L
ATS ROUTE W699 T/W					
1 YHBA AD	S25 19.1 E152 52.8	---/207			
1 MYB NDB	S25 31.2 E152 42.6	207/255	15	1800/1800	L
3 GAY NDB	S25 35.7 E151 40.4	255/---	56	3800/3800	L
ATS ROUTE W702 T/W					
3 QDI NDB	S31 29.6 E150 31.4	---/143			
3 SCO NDB	S32 02.1 E150 49.9	142/133	36	5600/5600	L
3 SGT NDB	S32 33.1 E151 15.5	133/119	38	4200/4200	L
3 WMD VOR	S32 45.3 E151 31.9	119/089	18	3000/3000	L
3 WLM NDB	S32 48.2 E151 49.7	088/---	15	2000/2000	L
ATS ROUTE W703 T/W					
1 RUG NDB	S34 23.2 E148 58.5	---/321			
3 CWR VOR	S33 50.9 E148 38.7	321/323	36	4200/4200	L
2 PKS VOR	S33 07.9 E148 14.2	323/319	48	4000/4000	L
2 NYN NDB	S31 33.1 E147 11.7	321/314	108	3100/3100	L
3 BKE NDB	S30 02.6 E145 57.0	315/---	111	2400/2400	L
ATS ROUTE W709 T/W					
1 AF NDB	S27 34.2 E153 01.0	---/317			
1 WACKO	S27 11.3 E152 45.2	318/318	27	3900/3900	L
1 KCY NDB	S26 55.1 E152 34.4	318/318	19	3900/3900	L
3 GAY NDB	S25 35.7 E151 40.4	319/---	93	4300/4300	L
ATS ROUTE W713 T/W					
3 KAT NDB	S33 42.6 E150 18.0	---/187			
3 BIK VOR	S34 10.7 E150 06.4	187/---	30	5600/5600	L
ATS ROUTE W715 T/W					
3 RIC NDB	S33 35.8 E150 46.6	---/338			
3 GDH NDB	S30 57.2 E150 14.9	339/---	161	5600/5600	L
ATS ROUTE W716 T/W					
3 MCO VOR	S37 35.8 E149 43.1	---/336			
3 CB VOR	S35 16.9 E149 11.7	337/---	141	7700/6800	L
ATS ROUTE W717 T/W					
3 BTH NDB	S33 24.8 E149 39.4	---/324			
3 ELONG	S32 04.1 E148 56.6	325/325	88	5000/6500	L
3 CNM NDB	S30 58.5 E148 22.8	326/---	72	5800/3700	L
ATS ROUTE W720 T/W					
3 SWH NDB	S35 22.8 E143 32.4	---/145			
3 BDG NDB	S36 44.6 E144 19.6	144/132	90	2600/2600	L
1 ARBEY	S37 10.1 E144 43.9	131/---	32	4100/4500	L
ATS ROUTE W721 T/W					
1 BNA NDB	S28 50.1 E153 33.7	---/226			
3 GBA NDB	S29 35.8 E152 10.7	227/---	86	5600/5600	L
ATS ROUTE W722 T/W					
1 MLY VOR	S26 44.7 E152 45.7	---/337			
1 KASPA	S25 48.8 E152 32.2	337/337	57	3600/3600	L
3 BUD NDB	S24 54.4 E152 19.2	338/---	55	3400/3400	L
ATS ROUTE W723 T/W					
1 EDN NDB	S34 42.4 E138 37.9	---/332			
3 PAG NDB	S32 31.6 E137 42.1	333/---	139	4600/4000	L
ATS ROUTE W724 T/W					
3 NWA NDB	S34 57.1 E150 31.8	---/269			
1 GLB NDB	S34 48.4 E149 44.2	270/255	40	4300/4300	L
3 YAS NDB	S34 49.7 E149 02.5	256/---	34	4500/4500	L

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1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE W727 T/W					
3 GAY NDB	S25 35.7 E151 40.4	---/307			
3 TNG NDB	S24 29.6 E150 34.2	308/304	89	3900/3900	L
5 MANDO	S23 28.2 E149 25.7	305/306	88	4600/4500	L
1 YMMU AD	S22 48.2 E148 42.3	306/313	57	4600/2800	L
1 MRB NDB	S22 03.7 E148 04.5	313/---	56	3000/3100	L
ATS ROUTE W730 T/W					
1 HARPO	S21 00.4 E148 46.7	---/285			
3 CSV VOR	S20 35.5 E147 47.1	286/---	61	5600/5500	L
ATS ROUTE W731 T/W					
3 KAT NDB	S33 42.6 E150 18.0	---/303			
3 PANOR	S33 17.5 E149 48.4	304/304	35	5600/6000	L
4 DU VOR	S32 13.2 E148 34.7	305/314	89	5600/6000	L
3 LLAMA	S31 17.6 E147 50.1	315/315	67	2600/2600	L
1 BRW NDB	S29 58.5 E146 48.7	316/---	95	2300/2300	L
ATS ROUTE W734 T/W					
3 GFN NDB	S29 45.6 E153 01.6	---/025			
1 TUCAB	S29 28.8 E153 16.1	025/---	21	2600/2600	L
ATS ROUTE W736 T/W					
2 GTE NDB	S13 58.5 E136 27.3	---/152			
5 CINDY	S15 42.2 E137 12.9	152/152	112	2200/2200	L
3 RUGGA	S17 11.9 E137 53.1	151/151	97	2600/2600	L
3 TANYA	S19 33.6 E138 58.0	150/150	154	3100/2700	L
3 MA VOR	S20 39.9 E139 29.1	150/---	72	3600/3600	L
ATS ROUTE W741 T/W					
1 WBL NDB	S38 17.2 E142 27.2	---/323			
1 HML NDB	S37 39.0 E142 03.5	324/---	43	2900/2900	L
ATS ROUTE W743 T/W					
1 SMI NDB	S40 50.0 E145 04.9	---/358			
3 EDMON	S40 00.0 E145 16.7	358/358	51	2000/2200	L
3 WON VOR	S38 28.3 E145 37.4	358/---	93	2400/2400	L
ATS ROUTE W744 T/W					
3 WP VOR	S12 40.4 E141 55.3	---/089			
3 LHR NDB	S12 47.3 E143 18.2	089/---	81	3200/3200	L
ATS ROUTE W749 T/W					
2 IVL NDB	S29 53.1 E151 08.4	---/021			
3 AMB NDB	S27 38.9 E152 43.4	021/---	158	6400/6400	L
ATS ROUTE W751 T/W					
3 KAT NDB	S33 42.6 E150 18.0	---/240			
3 RILEY	S33 56.6 E149 26.5	240/241	45	6000/6000	L
1 YNG NDB	S34 15.0 E148 14.8	242/240	62	5400/5600	L
4 NAR VOR	S34 42.1 E146 31.0	242/---	90	3100/3800	L
ATS ROUTE W754 T/W					
1 ORG NDB	S33 23.0 E149 07.5	---/259			
1 FBS NDB	S33 21.9 E147 55.7	260/---	60	6100/6100	L
ATS ROUTE W758 LIMITED SEG T/W					
2 KA VOR	S20 42.9 E116 46.4	---/133			
3 HOOLI	S21 56.9 E118 07.7	132/132	106	4500/4500	L
4 NWN VOR	S23 25.3 E119 48.2	131/---	128	5500/5500	L
ATS ROUTE W760 T/W					
4 DU VOR	S32 13.2 E148 34.7	---/038			
3 GDH NDB	S30 57.2 E150 14.9	037/040	114	4700/4100	L
3 GBA NDB	S29 35.8 E152 10.7	039/035	129	6400/6400	L
3 GAMBL	S28 52.5 E153 02.9	035/341	63	5500/5500	L
3 LAV VOR	S28 05.4 E152 55.5	341/327	47	5200/5200	L
3 AMB NDB	S27 38.9 E152 43.4	327/---	28	3600/3600	L
ATS ROUTE W762 T/W					
3 NATYA	S34 58.1 E143 14.0	---/075			
3 TREST	S34 53.0 E144 25.3	074/074	59	2100/2100	L
4 NAR VOR	S34 42.1 E146 31.0	072/071	104	2200/2200	L
1 RUG NDB	S34 23.2 E148 58.5	069/066	123	4100/3800	L
1 NICKY	S34 19.5 E149 19.3	066/066	18	4900/4900	L
3 BIK VOR	S34 10.7 E150 06.4	065/---	40	5400/5400	L
ATS ROUTE W764 T/W					
3 OOD NDB	S27 33.3 E135 26.5	---/147			
3 BILLY	S28 52.4 E136 12.6	146/146	89	2800/2800	L
2 AMK NDB	S30 27.2 E137 10.0	145/167	107	2300/2800	L
3 WHA NDB	S33 03.5 E137 31.5	166/---	157	2500/2500	L
ATS ROUTE W766 T/W					
2 EML NDB	S23 34.0 E148 10.3	---/319			
3 CMT NDB	S22 46.4 E147 37.5	319/---	56	2600/2600	L
ATS ROUTE W768 T/W					
2 LHI NDB	S31 31.7 E159 04.4	---/256			
2 KANGA	S31 31.6 E156 43.5	257/257	120	4500/4500	L
2 KOALA	S31 30.0 E154 59.3	259/259	89	1500/1500	L
1 PMQ NDB	S31 26.1 E152 52.0	260/233	109	1900/1900	L
3 SORTI	S31 49.3 E151 52.8	234/---	56	5700/0	L
ATS ROUTE W769 T/W					
1 HLC NDB	S18 14.0 E127 40.3	---/019			
3 WARMN	S16 59.8 E128 11.6	019/019	80	3800/3800	L
2 KU VOR	S15 46.5 E128 42.5	019/---	79	3800/3800	L
ATS ROUTE W775 T/W					
3 SBG NDB	S36 51.2 E145 44.3	---/019			
1 COR NDB	S35 59.2 E146 21.4	018/354	60	4100/4100	L
4 NAR VOR	S34 42.1 E146 31.0	355/---	77	2200/2200	L
ATS ROUTE W778 T/W					
3 NWA TAC	S34 57.0 E150 32.0	---/030			
1 ABASS	S34 35.0 E150 56.6	030/021	30	4300/4300	B
1 HOOKS	S34 21.0 E151 08.0	021/021	17	4300/4300	B
1 DONIC	S33 22.8 E151 54.5	021/---	70	4300/4300	B
ATS ROUTE W785 T/W					
2 MDG VOR	S32 33.7 E149 35.6	---/280			
4 DU VOR	S32 13.2 E148 34.7	281/274	56	4300/4300	L
3 PUMPA	S31 52.1 E147 05.8	275/276	78	2600/2600	L
3 CBA NDB	S31 32.4 E145 47.9	277/260	69	3100/2900	L
1 YWCA ALA	S31 31.6 E143 22.5	262/244	124	2600/2600	L
2 BHI VOR	S32 00.0 E141 28.8	245/---	101	2700/2700	L
ATS ROUTE W786 T/W					
1 BRL NDB	S16 04.6 E136 18.3	---/359			
2 GTE NDB	S13 58.5 E136 27.3	359/---	126	2000/2000	L
ATS ROUTE W788 T/W					
3 RMD NDB	S20 41.9 E143 06.6	---/174			
3 WTN NDB	S22 21.9 E143 05.0	174/---	100	2400/2400	L
ATS ROUTE W791 T/W					
4 CRG NDB	S36 08.9 E147 51.7	---/235			
3 SBG NDB	S36 51.2 E145 44.3	237/---	111	8700/8700	L
ATS ROUTE W792 T/W					
1 YKAL AD	S14 17.3 E126 37.9	---/182			
2 MAMUT	S16 25.8 E126 25.9	182/144	128	4100/4100	L
1 HLC NDB	S18 14.0 E127 40.3	143/---	129	4700/4700	L
ATS ROUTE W793 T/W					
3 MA VOR	S20 39.9 E139 29.1	---/021			

Chart Depiction. The following waypoint numbering is indicative of the presentation on Charts

1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
5 SHINN	S19 10.7 E140 17.3	021/021	100	3200/3200	L
2 NTN NDB	S17 41.7 E141 04.4	021/074	99	2100/2100	L
2 FASIE	S17 19.9 E143 10.9	073/073	123	2300/2400	L
5 MUNGA	S17 06.7 E144 23.4	072/072	71	4800/3900	L
3 BIB VOR	S16 55.0 E145 24.7	072/---	60	5100/4800	L
ATS ROUTE W795 T/W					
3 LVG VOR	S37 08.5 E147 33.1	---/324			
3 AY VOR	S36 04.1 E146 58.0	325/---	70	8000/8000	L
ATS ROUTE W798 T/W					
2 KA VOR	S20 42.9 E116 46.4	---/262			
1 YBWX AD	S20 51.9 E115 24.4	263/---	77	2000/2000	L
ATS ROUTE W801 T/W					
3 YCUA ALA	S33 16.7 E148 45.8	---/098			
1 ORG NDB	S33 23.0 E149 07.5	097/123	19	6100/6100	L
1 MEEGA	S33 44.0 E149 33.2	122/122	30	5900/5900	L
1 MUSTA	S33 53.8 E149 45.3	122/122	14	5900/5900	L
3 BIK VOR	S34 10.7 E150 06.4	122/---	24	5900/5900	L
ATS ROUTE W804 T/W					
1 MTI NDB	S16 39.5 E139 10.2	---/088			
3 DRAFF	S16 45.9 E141 14.0	087/087	119	1600/1600	L
2 CRIMP	S16 50.8 E143 08.2	086/086	110	2300/2100	L
3 BIB VOR	S16 55.0 E145 24.7	085/---	131	5900/4700	L
ATS ROUTE W806 T/W					
2 OOM NDB	S28 06.3 E140 11.9	---/081			
5 ORTOS	S28 04.5 E141 32.3	080/080	71	2100/2300	L
5 TGM NDB	S27 59.6 E143 48.9	079/046	121	3100/2200	L
5 FREDD	S27 04.2 E145 15.7	045/046	95	2700/2500	L
3 CV VOR	S26 25.3 E146 16.0	045/023	66	2700/2600	L
5 ARTON	S24 38.6 E147 27.4	022/023	124	5400/4900	L
2 EML NDB	S23 34.0 E148 10.3	022/358	75	5400/4900	L
3 PN VOR	S20 29.8 E148 33.2	358/---	185	5500/5500	L
ATS ROUTE W809 T/W					
2 ESL NDB	S38 06.7 E147 09.6	---/259			
3 MOZZA	S38 04.9 E146 05.9	260/---	50	6600/6600	L
ATS ROUTE W810 T/W					
3 JNB VOR	S30 18.8 E115 03.2	---/150			
1 PEA TAC	S31 40.4 E116 01.0	150/---	95	2700/2700	L
ATS ROUTE W811 T/W					
5 CBB NDB	S31 19.8 E149 16.2	---/311			
2 WLG VOR	S30 01.7 E148 07.7	313/---	98	5200/5200	L
ATS ROUTE W812 T/W					
2 LHI NDB	S31 31.7 E159 04.4	---/268			
2 POSUM	S31 05.9 E156 47.0	270/270	120	4500/4500	L
2 BILBY	S30 42.5 E154 52.6	271/271	101	1500/1500	L
2 CFS VOR	S30 19.2 E153 07.3	273/---	94	2900/2900	L
ATS ROUTE W817 T/W					
3 AY VOR	S36 04.1 E146 58.0	---/043			
1 MUSOP	S35 31.1 E147 54.2	042/042	56	6300/6000	L
3 YAS NDB	S34 49.7 E149 02.5	041/042	70	6300/6000	L
1 KEDDY	S34 34.6 E149 27.6	041/041	26	4900/4900	L
3 BIK VOR	S34 10.7 E150 06.4	041/033	40	5100/5100	L
1 WATLE	S33 55.3 E150 25.2	033/---	22	5200/5200	L
ATS ROUTE W819 T/W					
4 TN VOR	S14 31.2 E132 22.3	---/199			
3 HOUND	S16 03.8 E131 42.2	199/200	100	2500/2500	L
1 HOO NDB	S18 19.9 E130 38.2	201/---	149	3100/3100	L
ATS ROUTE W821 T/W					
3 TW VOR	S31 04.0 E150 49.8	---/091			
1 PMQ NDB	S31 26.1 E152 52.0	089/---	107	6200/6200	L
ATS ROUTE W822 T/W					
4 DU VOR	S32 13.2 E148 34.7	---/341			
2 HILAR	S31 38.7 E148 29.2	341/341	35	2600/2600	L
3 CNM NDB	S30 58.5 E148 22.8	342/336	41	2600/2600	L
2 WLG VOR	S30 01.7 E148 07.7	337/337	58	2000/2000	L
1 YLRD AD	S29 27.4 E147 59.1	338/---	35	2000/2000	L
ATS ROUTE W824 T/W					
3 SGT NDB	S32 33.1 E151 15.5	---/046			
2 TRE NDB	S31 53.4 E152 30.6	046/---	75	4900/4900	L
ATS ROUTE W826 T/W					
1 YELD AD	S12 01.2 E135 34.2	---/150			
1 YLEV AD	S12 29.9 E135 48.3	150/---	32	1900/1900	L
ATS ROUTE W827 T/W					
1 YNG NDB	S34 15.0 E148 14.8	---/091			
1 RUG NDB	S34 23.2 E148 58.5	091/---	37	3900/3900	L
ATS ROUTE W829 T/W					
2 GTE NDB	S13 58.5 E136 27.3	---/131			
1 MTI NDB	S16 39.5 E139 10.2	130/---	225	2000/2200	L
ATS ROUTE W830 T/W					
2 CMU VOR	S28 02.3 E145 37.4	---/011			
3 CV VOR	S26 25.3 E146 16.0	010/---	103	2600/2600	L
ATS ROUTE W831 T/W					
1 YDAY ALA	S27 09.3 E151 16.0	---/110			
3 OK VOR	S27 24.0 E151 44.3	109/122	29	3300/3300	L
1 TWB NDB	S27 32.5 E151 54.7	122/---	13	3900/3900	L
ATS ROUTE W832 T/W					
3 WTN NDB	S22 21.9 E143 05.0	---/252			
3 DAKUN	S22 40.1 E141 22.9	253/253	96	3400/3400	L
3 BOU NDB	S22 54.9 E139 54.4	254/---	83	3400/3000	L
ATS ROUTE W834 T/W					
2 FLI NDB	S40 05.7 E148 00.9	---/228			
2 WYY VOR	S41 00.0 E145 43.6	230/182	118	3100/3100	L
5 SRN NDB	S42 09.2 E145 17.7	182/---	72	5600/5600	L
ATS ROUTE W836 T/W					
1 RUG NDB	S34 23.2 E148 58.5	---/260			
3 GTH VOR	S34 15.0 E146 03.9	263/---	145	3800/3900	L
ATS ROUTE W838 T/W					
1 YKER AD	S35 45.1 E143 56.4	---/308			
3 SWH NDB	S35 22.8 E143 32.4	309/---	30	2300/1900	L
ATS ROUTE W839 T/W					
1 PH VOR	S31 56.7 E115 57.6	---/012			
1 PEA NDB	S31 39.3 E116 01.1	011/327	18	2300/2300	L
1 GIG NDB	S31 27.6 E115 51.9	327/---	14	2300/2300	L
ATS ROUTE W841 T/W					
3 TL VOR	S19 14.7 E146 45.5	---/279			
5 DOTTE	S18 41.9 E144 52.7	280/280	112	4900/4900	L
3 GTN NDB	S18 17.7 E143 32.9	281/277	80	4800/4700	L
2 NTN NDB	S17 41.7 E141 04.4	279/---	146	2800/4100	L
ATS ROUTE W843 T/W					
1 DBY NDB	S17 21.4 E123 40.0	---/037			
3 TWIST	S15 44.1 E125 02.1	036/036	125	3700/3700	L

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1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
1 TST NDB	S14 05.4 E126 23.2	036/067	126	3700/3700	L
1 MILEM	S13 29.6 E128 02.1	067/067	103	2000/2800	L
3 PERKS	S13 26.1 E128 11.7	067/067	10	1500/2200	L
3 HANNA	S12 54.2 E129 38.0	066/066	90	1900/1500	L
2 DN VOR	S12 25.4 E130 54.4	066/---	80	1900/1600	L
ATS ROUTE W847 T/W					
2 ESL NDB	S38 06.7 E147 09.6	---/005			
3 LVG VOR	S37 08.5 E147 33.1	005/002	61	6500/6500	L
4 CRG NDB	S36 08.9 E147 51.7	002/330	61	7200/7200	L
3 WG VOR	S35 09.9 E147 28.1	330/---	62	5600/7100	L
ATS ROUTE W848 T/W					
1 MLY VOR	S26 44.7 E152 45.7	---/347			
3 CLAMP	S26 05.4 E152 44.0	347/347	39	3600/3600	L
1 MYB NDB	S25 31.2 E152 42.6	347/---	34	3000/3000	L
ATS ROUTE W849 T/W					
2 DN VOR	S12 25.4 E130 54.4	---/048			
1 BLAIR	S11 34.9 E131 57.9	048/048	80	2100/2100	L
1 YCKI AD	S11 09.9 E132 29.0	047/---	39	2100/2100	L
ATS ROUTE W853 T/W					
2 DN VOR	S12 25.4 E130 54.4	---/069			
1 ACKER	S12 01.3 E132 12.3	069/069	80	2300/2300	L
1 YGBI AD	S11 39.0 E133 22.9	069/---	73	2300/2300	L
ATS ROUTE W859 T/W					
3 SBG NDB	S36 51.2 E145 44.3	---/090			
3 LVG VOR	S37 08.5 E147 33.1	088/093	89	7800/7600	L
3 MCO VOR	S37 35.8 E149 43.1	091/---	107	7800/8000	L
ATS ROUTE W864 T/W					
1 DYS NDB	S22 35.9 E148 21.1	---/149			
1 YBTR AD	S23 36.2 E148 48.4	148/---	65	4500/3300	L
ATS ROUTE W865 T/W					
2 WYM NDB	S15 30.6 E128 09.1	---/306			
1 YKAL AD	S14 17.3 E126 37.9	307/---	115	2900/2900	L
ATS ROUTE W866 T/W					
3 HUG VOR	S20 48.8 E144 13.4	---/067			
2 DAVEY	S20 24.5 E145 45.0	066/066	89	4700/4700	L
3 EFFEY	S20 09.4 E146 40.5	066/357	54	4700/4700	L
1 GOLDY	S19 50.7 E146 42.2	357/357	19	5500/4000	L
2 TL VOR	S19 14.7 E146 45.5	357/---	36	5500/4000	L
ATS ROUTE W870 T/W					
1 YBTR AD	S23 36.2 E148 48.4	---/147			
3 TAM VOR	S25 48.2 E149 53.8	146/---	144	4400/4500	L
ATS ROUTE W875 T/W					
2 KU VOR	S15 46.5 E128 42.5	---/142			
1 YWTL ALA	S16 37.9 E129 19.2	142/---	62	2900/2900	L
ATS ROUTE W878 T/W					
3 GV VOR	S12 15.9 E136 49.0	---/252			
1 YLEV AD	S12 29.9 E135 48.3	253/---	61	2100/1900	L
ATS ROUTE W879 T/W					
3 MA VOR	S20 39.9 E139 29.1	---/333			
3 CNY NDB	S18 45.2 E138 42.2	333/007	123	3100/3100	L
1 MTI NDB	S16 39.5 E139 10.2	007/---	128	2400/2400	L
ATS ROUTE W883 T/W					
2 CMU VOR	S28 02.3 E145 37.4	---/262			
5 TGM NDB	S27 59.6 E143 48.9	263/218	96	2300/2300	L
3 EVOKE	S28 43.0 E142 57.0	218/218	63	2300/2100	L
3 TIB NDB	S29 26.8 E142 03.5	219/---	64	2300/2100	L
ATS ROUTE W887 T/W					
1 YBRN AD	S34 37.4 E143 34.7	---/172			
3 SWH NDB	S35 22.8 E143 32.4	172/138	45	1900/1900	L
3 FRANZ	S35 48.9 E143 52.5	137/---	31	1900/2700	L
ATS ROUTE W889 T/W					
3 RK VOR	S23 23.0 E150 28.3	---/322			
5 CARON	S22 21.5 E149 51.9	322/323	70	4200/4200	L
3 MK VOR	S21 10.4 E149 11.2	323/---	80	3200/3200	L
ATS ROUTE W890 T/W					
3 MOG NDB	S28 03.8 E117 50.6	---/006			
1 YCUE ALA	S27 26.8 E117 55.1	006/033	37	3300/3300	L
2 MEK VOR	S26 36.4 E118 32.0	032/---	60	3200/3200	L
ATS ROUTE W892 T/W					
5 CBB NDB	S31 19.8 E149 16.2	---/055			
3 GDH NDB	S30 57.2 E150 14.9	054/---	55	4200/4200	L
ATS ROUTE W893 T/W					
2 GAMBL	S28 52.5 E153 02.9	---/224			
3 GLI NDB	S29 40.3 E151 41.7	225/235	86	6400/6400	L
2 IVL NDB	S29 53.1 E151 08.4	235/---	32	5800/5800	L
ATS ROUTE W894 T/W					
4 NAR VOR	S34 42.1 E146 31.0	---/309			
3 GTH VOR	S34 15.0 E146 03.9	310/---	35	2400/2400	L
ATS ROUTE Y12 O/W					
3 TBD VOR	S35 14.6 E139 30.6	---/106			
2 HINDY	S36 10.0 E142 05.1	103/103	137	0/0	H
3 DANKS	S36 25.9 E142 52.1	102/102	41	0/0	H
1 APPLE	S36 55.7 E144 23.2	101/120	79	0/0	H
1 ARBEY	S37 10.1 E144 43.9	120/---	22	0/0	H
ATS ROUTE Y13 O/W					
1 MANIG	S30 51.3 E117 09.9	---/028			
1 COPDI	S29 33.3 E117 56.5	027/027	88	0/0	H
2 WAGOO	S28 08.9 E118 45.4	026/026	95	0/0	H
2 EZDON	S25 00.0 E120 29.9	024/024	210	0/0	H
5 TEF NDB	S21 42.7 E122 12.8	023/---	218	0/0	H
ATS ROUTE Y18 O/W					
1 MANIG	S30 51.3 E117 09.9	---/042			
2 BIMBY	S29 46.8 E118 14.5	041/041	85	0/0	H
2 SUGAB	S28 46.5 E119 13.2	040/---	79	0/0	H
ATS ROUTE Y21 O/W					
1 CORRS	S37 55.5 E145 36.8	---/109			
4 LOLLY	S40 08.7 E150 35.1	103/---	268	0/0	H
ATS ROUTE Y23 O/W					
1 VENEL	S33 28.4 E143 46.4	---/060			
3 OKAPI	S31 51.9 E148 39.2	056/056	265	0/0	H
3 TW VOR	S31 04.0 E150 49.8	055/035	121	0/0	H
1 OLRIP	S30 23.9 E151 38.3	035/035	58	0/0	H
3 BERNI	S28 50.3 E153 27.9	034/---	134	0/0	H
ATS ROUTE Y27 O/W					
1 SEDAN	S34 34.1 E139 18.5	---/067			
2 UVUPU	S33 50.5 E142 32.9	065/---	167	0/0	B
ATS ROUTE Y32 O/W					
3 ELDEK	S20 33.0 E149 14.5	---/139			
3 ROWAN	S26 30.2 E153 30.7	135/151	427	0/0	H
3 KATEB	S27 16.0 E153 47.5	151/168	48	0/0	H

Chart Depiction. The following waypoint numbering is indicative of the presentation on Charts

1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
1 SCOTT	S27 52.1 E153 48.0	168/210	36	0/0	H
3 CG VOR	S28 10.1 E153 30.2	210/---	24	0/0	H
ATS ROUTE Y35 O/W					
1 GURAK	S30 51.9 E115 38.9	---/013			
2 MRW NDB	S29 12.5 E116 01.4	012/004	101	0/0	B
2 CULAB	S27 42.1 E116 07.6	003/003	90	0/0	B
2 MADOG	S23 49.6 E116 22.7	002/000	232	0/0	B
1 VETEL	S21 23.6 E116 25.7	000/---	146	0/0	B
ATS ROUTE Y36 O/W					
1 MANIG	S30 51.3 E117 09.9	---/047			
3 KONIL	S29 59.6 E118 12.6	046/046	75	0/0	H
2 YEEDI	S28 52.1 E119 31.8	045/045	97	0/0	H
3 LST NDB	S27 50.4 E120 42.0	044/033	87	0/0	H
4 AGREK	S27 01.3 E121 19.4	032/032	59	0/0	H
2 BIDAP	S24 24.1 E123 14.7	031/---	188	0/0	H
ATS ROUTE Y37 O/W					
1 RUGBO	S29 20.8 E116 56.9	---/002			
1 YGGE AD	S28 45.9 E116 58.3	002/---	35	0/0	B
ATS ROUTE Y40 O/W					
2 LM VOR	S22 14.1 E114 05.7	---/166			
2 BINTH	S24 38.7 E114 44.1	166/166	148	0/0	B
2 TINDA	S27 57.3 E115 39.5	166/166	204	0/0	B
2 MRW NDB	S29 12.5 E116 01.4	166/---	77	0/0	B
ATS ROUTE Y41 O/W					
1 NORIC	S30 40.9 E116 54.5	---/002			
1 RUGBO	S29 20.8 E116 56.9	002/300	80	0/0	B
1 YKAR AD	S29 13.0 E116 41.2	300/---	16	0/0	B
ATS ROUTE Y43 O/W					
1 WMD VOR	S32 45.3 E151 31.9	---/012			
3 BANDA	S30 48.0 E152 34.4	012/010	129	0/0	H
3 BERNI	S28 50.3 E153 27.9	010/010	126	0/0	H
1 ROONY	S28 31.5 E153 36.2	010/356	20	0/0	H
1 GREAV	S28 19.0 E153 38.2	356/344	13	0/0	H
1 KERRI	S28 09.2 E153 37.3	344/250	10	0/0	H
3 CG VOR	S28 10.1 E153 30.2	250/---	6	0/0	H
ATS ROUTE Y44 O/W					
2 MRW NDB	S29 12.5 E116 01.4	---/015			
2 JANNA	S27 44.5 E116 26.0	014/014	90	0/0	B
3 SCRUB	S26 38.3 E116 44.1	013/013	68	0/0	B
2 REMBO	S24 27.4 E117 18.8	012/012	134	0/0	B
3 BUTON	S21 24.8 E118 05.1	012/025	187	0/0	B
2 PD VOR	S20 22.7 E118 37.4	024/---	69	0/0	B
ATS ROUTE Y45 O/W					
1 VENGA	S21 22.8 E115 13.0	---/176			
1 PANBA	S21 58.4 E115 15.3	176/176	36	0/0	B
2 TATUL	S24 00.0 E115 23.2	176/176	121	0/0	B
2 TINDA	S27 57.3 E115 39.5	177/---	237	0/0	B
ATS ROUTE Y53 O/W					
1 BURGU	S32 58.2 E118 39.3	---/114			
1 MEMUP	S33 45.2 E120 52.5	112/112	121	0/0	H
2 RERON	S35 04.1 E125 00.0	108/105	219	0/0	H
2 RIDLE	S35 45.3 E128 00.0	101/101	153	0/0	H
2 ROMPA	S36 27.0 E131 30.0	098/098	175	0/0	H
2 RUFLE	S37 01.9 E135 00.0	094/094	172	0/0	H
1 BUNGY	S37 29.1 E138 19.8	090/090	162	0/0	H
3 MTG VOR	S37 45.1 E140 47.1	087/083	118	0/0	H
2 SPIDR	S37 48.3 E142 18.9	082/082	73	0/0	B
1 WENDY	S37 50.4 E143 58.7	080/---	79	0/0	B
ATS ROUTE Y59 O/W					
1 DOSEL	S37 09.9 E145 23.7	---/043			
3 EBONY	S36 10.9 E147 04.2	042/042	100	0/0	H
3 ARRAN	S35 50.3 E147 38.4	041/041	35	0/0	H
3 NONUP	S35 25.8 E148 17.9	041/041	40	0/0	H
1 CULIN	S34 44.4 E149 23.4	040/050	68	0/0	H
1 TARAL	S34 30.1 E149 56.0	050/050	30	0/0	H
1 RIVET	S34 16.8 E150 25.8	049/049	28	0/0	H
3 SY VOR	S33 56.6 E151 10.8	049/---	43	0/0	H
ATS ROUTE Y60 O/W					
2 MRW NDB	S29 12.5 E116 01.4	---/025			
2 PALTI	S27 51.2 E116 42.2	024/024	89	0/0	H
3 HALEM	S26 07.9 E117 32.4	023/018	112	0/0	H
2 TEANO	S24 32.3 E118 08.3	018/018	101	0/0	H
1 GUVNA	S23 02.0 E118 41.4	017/042	95	0/0	H
3 YFDF AD	S22 17.5 E119 26.2	041/---	61	0/0	H
ATS ROUTE Y61 O/W					
1 POONA	S21 29.8 E149 17.0	---/150			
3 TNG NDB	S24 29.6 E150 34.2	148/---	193	0/0	H
ATS ROUTE Y66 O/W					
1 CORRS	S37 55.5 E145 36.8	---/099			
4 LEPAR	S39 14.2 E150 27.6	093/---	241	0/0	H
ATS ROUTE Y67 O/W					
1 BOSLI	S31 16.1 E117 31.7	---/065			
3 YAHMO	S30 43.0 E118 51.8	064/087	76	0/0	H
1 KINTO	S30 36.8 E120 54.5	085/110	106	0/0	H
3 KG VOR	S30 47.4 E121 27.2	109/---	30	0/0	H
ATS ROUTE Y69 O/W					
1 KARAB	S31 33.3 E116 52.7	---/064			
1 BOSLI	S31 16.1 E117 31.7	063/054	37	0/0	H
3 YOKRA	S30 04.8 E119 19.6	052/055	117	0/0	H
2 LEO NDB	S28 52.7 E121 19.2	054/066	127	0/0	H
4 SKIPA	S26 54.4 E126 22.1	062/062	293	0/0	H
3 MARIT	S26 00.8 E128 27.6	060/060	125	0/0	H
3 ROOKS	S25 28.0 E129 41.6	060/060	74	0/0	H
1 WINAL	S24 41.8 E131 22.4	059/059	102	0/0	H
3 HERMA	S24 00.8 E132 48.8	058/073	89	0/0	H
2 AS VOR	S23 47.6 E133 52.7	072/---	60	0/0	H
ATS ROUTE Y76 O/W					
1 SCOTT	S27 52.1 E153 48.0	---/122			
4 SIFRA	S29 48.1 E156 12.4	119/---	172	0/0	H
ATS ROUTE Y77 O/W					
2 GEL VOR	S28 47.4 E114 42.4	---/003			
1 MORID	S26 01.4 E114 49.1	002/002	166	0/0	B
1 SAGNO	S21 58.5 E114 58.5	001/---	242	0/0	B
ATS ROUTE Y79 O/W					
3 ROM NDB	S26 32.6 E148 46.9	---/066			
3 VICTA	S26 28.4 E149 04.6	065/092	16	0/0	B
2 BEPNA	S26 43.4 E150 26.0	091/095	74	0/0	B
3 YCCA AD	S26 46.2 E150 37.0	095/097	10	0/0	B
3 OPIPO	S26 59.7 E151 28.1	096/096	48	0/0	B
3 WOODY	S27 14.3 E152 24.3	095/090	52	0/0	B
3 KEVIE	S27 18.2 E152 46.3	090/090	20	0/0	B
1 BN VOR	S27 22.0 E153 08.4	090/---	20	0/0	B
ATS ROUTE Y81 O/W					
1 CORRS	S37 55.5 E145 36.8	---/084			
4 GEMAC	S38 13.4 E150 19.5	079/---	224	0/0	H
ATS ROUTE Y84 O/W					
3 SY VOR	S33 56.6 E151 10.8	---/116			

Chart Depiction. The following waypoint numbering is indicative of the presentation on Charts

1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
3 OPTIC	S34 24.1 E151 53.3	115/117	45	0/0	H
4 TONIM	S36 01.9 E154 20.8	114/---	155	0/0	H
ATS ROUTE Y88 O/W					
1 PH VOR	S31 56.7 E115 57.6	---/074			
1 AMANA	S31 45.5 E116 37.7	073/048	36	0/0	H
1 KARAB	S31 33.3 E116 52.7	047/020	18	0/0	H
1 MANIG	S30 51.3 E117 09.9	020/022	44	0/0	H
3 LAKMO	S29 49.2 E117 38.3	022/022	67	0/0	H
2 ANKEL	S27 59.0 E118 27.2	020/020	118	0/0	H
3 MURCH	S26 45.7 E118 58.8	020/020	78	0/0	H
3 WONYU	S24 55.5 E119 44.8	019/019	117	0/0	B
2 COOBI	S23 35.3 E120 17.4	019/019	85	0/0	B
2 LATUV	S20 03.3 E121 40.4	018/018	225	0/0	B
1 TRILL	S18 26.2 E122 17.0	017/352	103	0/0	B
4 BRM NDB	S17 56.8 E122 14.1	352/---	29	0/0	B
ATS ROUTE Y89 O/W					
2 KELPI	S22 34.2 E151 35.2	---/172			
1 EAGLE	S25 44.7 E151 29.5	171/---	190	0/0	H
ATS ROUTE Y94 O/W					
2 LEC VOR	S30 35.8 E138 25.7	---/073			
3 GOKEN	S30 11.9 E140 58.0	071/071	134	0/0	B
4 APOMA	S29 53.9 E142 40.9	070/070	91	0/0	B
5 IDODA	S29 26.8 E145 02.2	068/068	126	0/0	B
4 AROLI	S29 07.0 E146 37.0	067/067	85	0/0	B
2 CRANE	S28 12.4 E150 33.3	064/064	215	0/0	B
2 PARRY	S27 44.8 E152 21.3	063/---	100	0/0	B
ATS ROUTE Y97 O/W					
2 KA VOR	S20 42.9 E116 46.4	---/169			
3 MUNNI	S21 12.6 E116 52.0	169/---	30	0/0	B
ATS ROUTE Y100 O/W					
4 LAMOB	S12 00.0 E108 53.0	---/160			
2 IDOKU	S18 15.5 E111 06.8	160/160	396	0/0	H
2 CAR VOR	S24 52.9 E113 40.4	160/155	421	0/0	H
2 MRW NDB	S29 12.5 E116 01.4	154/159	288	0/0	B
1 REVOP	S30 33.2 E116 37.9	159/---	87	0/0	B
ATS ROUTE Y108 O/W					
1 APPLE	S36 55.7 E144 23.2	---/096			
4 GEMAC	S38 13.4 E150 19.5	090/---	294	0/0	H
ATS ROUTE Y135 O/W					
1 BURGU	S32 58.2 E118 39.3	---/092			
2 HECTO	S33 00.3 E120 30.9	091/100	94	0/0	H
1 STILE	S33 11.9 E121 50.6	099/101	68	0/0	H
2 HITCH	S33 42.6 E125 00.0	098/098	161	0/0	H
2 HOLLA	S34 07.0 E128 00.0	095/095	152	0/0	H
2 HUSKY	S34 29.7 E131 30.0	091/091	175	0/0	H
2 HYDRA	S34 46.3 E135 00.0	088/088	174	0/0	H
3 ROGAS	S34 49.9 E136 00.0	087/087	50	0/0	H
3 YORKE	S34 54.7 E137 36.8	085/---	80	0/0	H
ATS ROUTE Y153 O/W					
1 SWIFT	S18 21.2 E146 48.0	---/158			
3 JEMMA	S19 49.2 E147 11.5	158/158	90	0/0	H
2 STAIR	S22 41.5 E147 58.9	157/157	177	0/0	H
2 VICTA	S26 28.4 E149 04.6	155/153	234	0/0	H
3 ROKUU	S28 11.1 E149 40.1	152/---	107	0/0	H
ATS ROUTE Y177 O/W					
3 CS VOR	S16 51.0 E145 44.6	---/139			
1 SWIFT	S18 21.2 E146 48.0	138/143	108	0/0	H
1 WALTA	S19 41.4 E147 35.4	143/143	92	0/0	H
2 COCKA	S23 02.5 E149 38.5	141/141	231	0/0	H
3 TNG NDB	S24 29.6 E150 34.2	140/137	101	0/0	H
1 EAGLE	S25 44.7 E151 29.5	136/128	90	0/0	H
1 SMOKA	S26 52.5 E152 37.9	127/127	91	0/0	H
1 DAYBO	S27 07.3 E152 53.1	126/126	20	0/0	H
3 BN VOR	S27 22.0 E153 08.4	126/---	20	0/0	H
ATS ROUTE Y195 O/W					
3 ROM NDB	S26 32.6 E148 46.9	---/099			
3 OK VOR	S27 24.0 E151 44.3	097/097	167	0/0	B
1 AGIVA	S27 27.2 E151 56.0	096/117	11	0/0	B
3 PARRY	S27 44.8 E152 21.3	117/063	29	0/0	B
3 ELENI	S27 42.6 E152 29.7	063/063	8	0/0	B
3 AMB NDB	S27 38.9 E152 43.4	062/063	13	0/0	B
1 GLENN	S27 34.5 E153 01.2	063/016	16	0/0	B
1 BN VOR	S27 22.0 E153 08.4	016/---	14	0/0	B
ATS ROUTE Y218 O/W					
3 TBD VOR	S35 14.6 E139 30.6	---/121			
1 LOLLS	S36 14.1 E141 00.0	119/148	94	0/0	H
1 GRACY	S37 20.8 E141 34.7	147/118	72	0/0	H
2 SPIDR	S37 48.3 E142 18.9	117/---	45	0/0	H
ATS ROUTE Y241 O/W					
1 TWB NDB	S27 32.5 E151 54.7	---/045			
2 WOODY	S27 14.3 E152 24.3	044/---	32	0/0	B
ATS ROUTE Y245 O/W					
1 ENTRA	S33 35.0 E151 41.8	---/003			
3 BANDA	S30 48.0 E152 34.4	003/012	173	0/0	H
2 BNA NDB	S28 50.1 E153 33.7	012/---	128	0/0	H
ATS ROUTE Y260 O/W					
1 ML VOR	S37 39.6 E144 50.5	---/102			
1 CORRS	S37 55.5 E145 36.8	101/104	40	0/0	H
4 ECKHO	S39 39.5 E150 31.1	098/---	252	0/0	H
ATS ROUTE Y287 O/W					
3 NYN NDB	S31 33.1 E147 11.7	---/042			
3 PECAN	S31 00.7 E148 00.4	041/041	53	0/0	B
2 RACHL	S29 32.2 E150 08.8	040/051	142	0/0	B
2 SUKTU	S29 05.1 E151 04.8	050/050	56	0/0	B
3 EDPEG	S28 49.9 E151 35.7	050/022	31	0/0	B
3 PUGON	S28 07.7 E152 07.0	022/018	50	0/0	B
2 PARRY	S27 44.8 E152 21.3	018/---	26	0/0	B
ATS ROUTE Y305 O/W					
2 KA VOR	S20 42.9 E116 46.4	---/178			
2 COBRA	S24 06.6 E116 47.8	179/---	203	0/0	B
ATS ROUTE Y316 O/W					
3 ROM NDB	S26 32.6 E148 46.9	---/088			
2 BEPNA	S26 43.4 E150 26.0	086/---	89	0/0	B
ATS ROUTE Y491 O/W					
1 HAWKE	S26 28.8 E151 55.7	---/112			
1 SMOKA	S26 52.5 E152 37.9	111/---	45	0/0	H
ATS ROUTE Z10 O/W					
2 ALEXA	S09 18.0 E126 57.4	125/125	83	0/0	
2 DONYA	S11 30.9 E129 54.4	124/130	219	0/0	B
2 DN VOR	S12 25.4 E130 54.4	129/---	80	0/0	B
ATS ROUTE Z11 T/W					
3 CS VOR	S16 51.0 E145 44.6	---/288			
3 NORIS	S16 11.9 E144 20.2	289/289	90	0/0	L
3 MASHA	S15 45.5 E143 24.2	290/290	60	0/0	L
2 YPMP AD	S14 53.8 E141 36.7	291/161	116	0/0	L
3 KOW NDB	S15 28.8 E141 44.9	161/---	36	0/0	L

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1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE Z13 T/W					
3 BDV NDB	S25 53.8 E139 21.2	---/357			
3 YBIE AD	S24 20.8 E139 27.6	357/010	93	0/0	L
3 BOU NDB	S22 54.9 E139 54.4	009/---	89	0/0	L
ATS ROUTE Z16 O/W					
1 GURAK	S30 51.9 E115 38.9	---/337			
1 ONGAR	S29 12.0 E114 47.9	337/343	109	0/0	L
2 YKBR AD	S27 41.5 E114 15.6	343/---	95	0/0	L
ATS ROUTE Z17 O/W					
1 SWIFT	S18 21.2 E146 48.0	---/127			
3 HM VOR	S20 21.1 E148 57.4	126/---	171	0/0	B
ATS ROUTE Z18 O/W					
2 BULGI	S29 00.1 E119 40.2	---/213			
3 CLAYS	S29 57.3 E118 55.9	214/214	69	0/0	L
1 KELLA	S31 32.9 E117 39.4	216/---	116	0/0	L
ATS ROUTE Z19 O/W					
1 PH VOR	S31 56.7 E115 57.6	---/056			
1 RAVON	S31 35.7 E116 31.9	055/021	36	0/0	L
1 NORIC	S30 40.9 E116 54.5	020/026	58	0/0	L
3 DUTAK	S29 30.2 E117 32.9	025/025	78	0/0	L
1 STURT	S28 43.4 E117 57.8	025/025	51	0/0	L
2 WIRAL	S27 46.5 E118 27.6	024/024	63	0/0	L
3 MURCH	S26 45.7 E118 58.8	023/015	67	0/0	L
2 YPLU AD	S25 18.8 E119 25.4	014/---	90	0/0	L
ATS ROUTE Z22 O/W					
2 LEO NDB	S28 52.7 E121 19.2	---/218			
1 MULDM	S29 47.1 E120 28.6	218/---	70	0/0	L
ATS ROUTE Z23 O/W					
1 ROSMO	S31 26.7 E116 44.5	---/066			
1 KATCM	S31 09.3 E117 27.2	065/083	40	0/0	L
3 SISTA	S30 57.2 E119 09.8	082/086	89	0/0	L
3 KG VOR	S30 47.4 E121 27.2	084/---	119	0/0	L
ATS ROUTE Z25 O/W					
1 SWIFT	S18 21.2 E146 48.0	---/134			
3 BWN NDB	S20 01.3 E148 12.9	133/---	128	0/0	B
ATS ROUTE Z26 O/W					
3 COOLA	S25 18.0 E150 22.1	---/310			
1 YBTR AD	S23 36.2 E148 48.4	311/---	133	0/0	L
ATS ROUTE Z32 T/W					
1 BKT NDB	S17 45.1 E139 31.9	---/249			
1 YDMG AD	S17 56.4 E138 49.3	249/---	42	0/0	L
ATS ROUTE Z35 T/W					
3 VRD NDB	S16 24.3 E131 00.4	---/346			
3 JULES	S15 09.5 E130 46.6	346/357	76	0/0	L
3 LOUIE	S13 57.6 E130 46.7	357/001	72	0/0	L
2 DN VOR	S12 25.4 E130 54.4	001/---	92	0/0	L
ATS ROUTE Z36 T/W					
2 AS VOR	S23 47.6 E133 52.7	---/309			
2 HONGI	S21 30.0 E131 21.4	311/311	196	0/0	L
3 YTGT AD	S20 32.9 E130 21.0	312/311	80	0/0	L
3 YTMN ALA	S19 58.0 E129 43.5	311/---	49	0/0	L
ATS ROUTE Z37 T/W					
1 YOLD AD	S30 29.1 E136 52.6	---/300			
1 CBP NDB	S29 01.9 E134 43.4	302/---	142	0/0	L

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE Z38 O/W					
3 LTN NDB	S28 36.7 E122 25.4	---/233			
1 MULDM	S29 47.1 E120 28.6	235/235	124	0/0	L
2 BUNGL	S30 20.3 E119 31.7	236/236	59	0/0	L
3 YAHMO	S30 43.0 E118 51.8	237/231	41	0/0	L
1 KELLA	S31 32.9 E117 39.4	232/241	80	0/0	L
2 GRENE	S31 53.4 E116 56.2	242/267	42	0/0	L
1 PH VOR	S31 56.7 E115 57.6	268/---	50	0/0	L
ATS ROUTE Z41 O/W					
2 GEL VOR	S28 47.4 E114 42.4	---/149			
1 IRWIN	S29 21.3 E115 06.8	149/141	40	0/0	L
1 HINDS	S30 47.7 E116 32.3	140/175	114	0/0	L
1 MOROK	S31 05.6 E116 34.5	175/---	18	0/0	L
ATS ROUTE Z42 T/W					
3 CS VOR	S16 51.0 E145 44.6	---/304			
2 NECTA	S15 11.1 E143 48.1	306/306	150	0/0	L
3 YAUR AD	S13 21.2 E141 43.2	307/---	163	0/0	L
ATS ROUTE Z44 O/W					
1 PH VOR	S31 56.7 E115 57.6	---/137			
1 CANRI	S32 22.4 E116 27.3	137/123	36	0/0	L
1 PUMRY	S32 39.2 E116 59.5	123/107	32	0/0	L
3 ESP VOR	S33 40.8 E121 49.4	102/---	251	0/0	L
ATS ROUTE Z47 O/W					
3 SBG NDB	S36 51.2 E145 44.3	---/088			
1 YHOT AD	S37 02.9 E147 20.0	086/---	78	0/0	L
ATS ROUTE Z50 O/W					
2 AYE NDB	S25 10.4 E130 58.5	---/100			
1 AVMON	S25 30.1 E132 24.1	099/145	80	0/0	B
3 GORKA	S26 12.7 E132 52.1	144/---	49	0/0	B
ATS ROUTE Z51 T/W					
2 TL VOR	S19 14.7 E146 45.5	---/265			
2 CONOR	S19 05.8 E143 39.6	267/267	176	0/0	L
2 PUDIN	S18 56.4 E141 09.5	268/268	143	0/0	L
3 CNY NDB	S18 45.2 E138 42.2	269/---	140	0/0	L
ATS ROUTE Z52 O/W					
1 HAMTN	S32 21.8 E117 39.4	---/308			
2 GRENE	S31 53.4 E116 56.2	309/---	46	0/0	L
ATS ROUTE Z54 T/W					
3 LTV NDB	S38 12.2 E146 28.5	---/025			
2 DAVOS	S36 42.8 E147 54.0	024/024	112	0/0	L
3 CB VOR	S35 16.9 E149 11.7	024/---	106	0/0	L
ATS ROUTE Z55 T/W					
2 KA VOR	S20 42.9 E116 46.4	---/204			
1 VETEL	S21 23.6 E116 25.7	204/189	45	2700/4700	B
2 POGAV	S23 30.0 E116 00.3	190/191	128	4700/5100	B
3 WOLAG	S26 34.3 E115 16.0	193/193	188	5000/5000	B
2 GEL VOR	S28 47.4 E114 42.4	194/---	136	2900/2900	B
ATS ROUTE Z56 T/W					
3 WDH NDB	S25 24.7 E142 39.8	---/122			
1 YQLP AD	S26 36.5 E144 15.4	121/076	112	0/0	L
3 CV VOR	S26 25.3 E146 16.0	075/---	109	0/0	L
ATS ROUTE Z61 O/W					
1 NORIC	S30 40.9 E116 54.5	---/037			
3 LAKMO	S29 49.2 E117 38.3	036/036	64	0/0	L
2 NALLY	S28 17.1 E118 54.2	035/035	113	0/0	L
3 WLU NDB	S26 37.5 E120 13.2	034/---	122	0/0	L

Chart Depiction. The following waypoint numbering is indicative of the presentation on Charts

1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE Z67 O/W					
1 KATCM	S31 09.3 E117 27.2	---/071			
3 YAHMO	S30 43.0 E118 51.8	070/---	77	0/0	L
ATS ROUTE Z68 O/W					
3 YSRD AD	S29 05.9 E122 27.3	---/242			
2 BUNGL	S30 20.3 E119 31.7	244/---	170	0/0	L
ATS ROUTE Z69 O/W					
1 JULIE	S11 47.8 E129 42.2	---/305			
2 SELVA	S09 27.1 E126 40.8	306/306	227	0/0	L
ATS ROUTE Z70 T/W					
1 YHBA AD	S25 19.1 E152 52.8	---/161			
1 SU VOR	S26 35.9 E153 05.4	161/---	77	2900/2900	L
ATS ROUTE Z74 O/W					
1 YJUN AD	S26 25.3 E120 34.6	---/197			
1 URAMU	S26 45.8 E120 27.1	197/213	22	0/0	L
3 LIRRI	S27 19.6 E120 01.0	214/214	41	0/0	L
2 ENTAL	S28 28.7 E119 06.6	214/214	84	0/0	L
2 CAMEL	S29 12.1 E118 31.6	215/227	53	0/0	L
1 BIU VOR	S30 35.6 E116 46.8	229/---	123	0/0	L
ATS ROUTE Z75 T/W					
3 VRD NDB	S16 24.3 E131 00.4	---/006			
3 COFEE	S15 09.0 E131 13.4	006/356	76	0/0	L
3 FILLY	S13 57.8 E131 13.5	357/345	71	0/0	L
2 DN VOR	S12 25.4 E130 54.4	345/---	94	0/0	L
ATS ROUTE Z79 T/W					
3 GLA VOR	S23 51.9 E151 12.3	---/267			
1 YBTR AD	S23 36.2 E148 48.4	268/---	133	0/0	L
ATS ROUTE Z82 O/W					
1 YHOT AD	S37 02.9 E147 20.0	---/250			
3 ELW VOR	S37 12.4 E145 50.1	251/---	73	0/0	L
ATS ROUTE Z83 O/W					
1 KATCM	S31 09.3 E117 27.2	---/058			
3 YOKRA	S30 04.8 E119 19.6	055/---	116	0/0	L
ATS ROUTE Z84 T/W					
1 SU VOR	S26 35.9 E153 05.4	---/000			
1 CREDY	S25 48.4 E153 15.2	000/315	48	2300/2900	L
1 YHBA AD	S25 19.1 E152 52.8	315/298	36	2300/2300	L
3 BUD NDB	S24 54.4 E152 19.2	299/---	39	2300/2100	L
ATS ROUTE Z86 O/W					
3 IKUMA	S10 25.8 E127 08.1	---/317			
2 MAMAL	S09 37.8 E126 27.0	317/317	63	2300/0	H
ATS ROUTE Z87 O/W					
1 RAVON	S31 35.7 E116 31.9	---/052			
1 ROSMO	S31 26.7 E116 44.5	052/022	14	0/0	L
1 VILOD	S30 45.7 E117 02.4	021/054	44	0/0	L
3 KONIL	S29 59.6 E118 12.6	052/052	76	0/0	L
2 BULGI	S29 00.1 E119 40.2	051/051	97	0/0	L
3 YDLO AD	S27 52.4 E121 16.3	050/---	108	0/0	L

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE Z90 T/W					
1 HAWKY	S34 34.5 E137 51.2	---/324			
3 MAKEE	S33 00.7 E136 50.7	325/325	106	0/0	L
2 BANAM	S31 13.2 E135 44.3	326/---	121	0/0	L
ATS ROUTE Z91 T/W					
3 WHA NDB	S33 03.5 E137 31.5	---/313			
1 OLLEE	S31 47.5 E136 18.1	314/313	98	0/0	B
2 BANAM	S31 13.2 E135 44.3	314/331	45	0/0	B
1 CBP NDB	S29 01.9 E134 43.4	332/---	141	0/0	B
ATS ROUTE Z92 T/W					
1 CBP NDB	S29 01.9 E134 43.4	---/020			
1 RETEP	S28 29.9 E135 00.7	019/084	35	0/0	B
1 CLYDE	S28 30.0 E135 50.1	084/114	44	0/0	B
3 CALAR	S29 00.0 E136 49.9	113/158	60	0/0	B
2 GAANY	S30 26.3 E137 17.9	157/169	90	0/0	B
3 WHA NDB	S33 03.5 E137 31.5	168/---	157	0/0	B
ATS ROUTE Z93 T/W					
3 MAKEE	S33 00.7 E136 50.7	---/138			
3 MESER	S33 44.1 E137 27.3	137/137	53	0/0	L
1 MARGO	S34 24.8 E138 02.3	136/---	50	0/0	L
ATS ROUTE Z95 O/W					
3 MURCH	S26 45.7 E118 58.8	---/027			
2 CLOVA	S25 00.8 E120 00.4	026/022	118	0/0	L
3 YCNF AD	S21 40.4 E121 35.7	021/---	218	0/0	L
ATS ROUTE Z101 T/W					
1 DBY NDB	S17 21.4 E123 40.0	---/041			
2 ROBBI	S15 50.6 E125 08.7	040/040	124	0/0	L
1 YKAL AD	S14 17.3 E126 37.9	040/---	127	0/0	L
ATS ROUTE Z102 T/W					
2 CAR VOR	S24 52.9 E113 40.4	---/023			
1 SAGNO	S21 58.5 E114 58.5	021/022	188	2000/2000	L
3 ONSLO	S21 40.0 E115 06.7	022/018	20	1600/1600	L
1 VENGA	S21 22.8 E115 13.0	018/018	18	1600/1600	L
1 YBWX AD	S20 51.9 E115 24.4	018/---	33	1700/1700	L
ATS ROUTE Z107 O/W					
1 CORDO	S34 19.8 E150 47.1	---/212			
2 DARTS	S36 40.4 E147 50.0	214/214	202	0/0	L
1 YHOT AD	S37 02.9 E147 20.0	215/---	33	0/0	L
ATS ROUTE Z224 O/W					
1 YHOT AD	S37 02.9 E147 20.0	---/027			
2 SNOWY	S36 32.1 E147 50.7	026/029	39	0/0	L
3 CB VOR	S35 16.9 E149 11.7	028/---	100	0/0	L
ATS ROUTE Z418 T/W					
3 OK VOR	S27 24.0 E151 44.3	---/257			
3 CHAPL	S27 27.2 E150 00.0	258/258	93	0/0	L
3 COLLY	S27 29.4 E147 36.4	260/260	128	0/0	L
3 CRIST	S27 28.5 E144 27.2	262/262	168	0/0	L
2 YLLE AD	S27 24.5 E141 48.5	264/236	141	0/0	L
3 TIGGA	S27 43.6 E141 04.8	236/236	43	0/0	L
2 OOM NDB	S28 06.3 E140 11.9	237/---	52	0/0	L

NON CHARTED ROUTES - DOMESTIC

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE W909					
1 SU VOR	S26 35.9 E153 05.4	---/183			
1 BORDA	S26 45.6 E153 02.7	183/183	10	0/0	
1 BURPA	S27 04.4 E152 57.5	183/---	19	0/0	
ATS ROUTE W934					
1 SPARK	S28 54.3 E153 40.7	---/347			
1 ENAID	S27 22.9 E153 37.5	347/261	91	0/0	
3 BN VOR	S27 22.0 E153 08.4	261/---	26	0/0	

Chart Depiction. The following waypoint numbering is indicative of the presentation on Charts

1 NIL **2** ▲ **3** △ **4** ◭ **5** ◬

WAYPOINT		TRACK IN/OUT	DIST NM	LSALT IN/BACK	H L B
ATS ROUTE W944					
3 SCO NDB	S32 02.1 E150 49.9	---/121			
3 WLM NDB	S32 48.2 E151 49.7	120/---	68	0/0	
ATS ROUTE W946					
2 WLG VOR	S30 01.7 E148 07.7	---/301			
2 CARBN	S29 07.4 E146 58.1	302/302	81	2000/2500	
2 CMU VOR	S28 02.3 E145 37.4	304/312	96	2200/2000	
2 EXXON	S25 46.6 E143 39.1	314/314	172	2600/3000	
2 VALDZ	S23 27.0 E141 41.8	316/316	175	2700/3000	
3 MA VOR	S20 39.9 E139 29.1	318/305	207	4000/4000	
2 TEXAN	S19 00.7 E137 29.4	306/306	150	3200/3200	
2 PETRL	S17 12.3 E135 21.6	307/307	163	2900/2900	
2 BARON	S16 14.9 E134 15.6	308/309	85	2900/2900	
4 TN VOR	S14 31.2 E132 22.3	310/---	151	2600/2600	
ATS ROUTE W949					
1 PIGGY	S29 11.8 E153 23.8	---/067			
1 LOUEY	S29 05.0 E154 00.0	066/011	32	0/0	
1 DEWEY	S28 00.0 E154 30.0	011/309	70	0/0	
2 SAVER	S27 31.2 E154 03.6	310/278	37	0/0	
1 ENAID	S27 22.9 E153 37.5	278/---	25	0/0	
ATS ROUTE W950					
4 DU VOR	S32 13.2 E148 34.7	---/317			
2 CMU VOR	S28 02.3 E145 37.4	320/---	294	2600/2600	
ATS ROUTE W951					
3 ROM NDB	S26 32.6 E148 46.9	---/284			
1 DINOS	S25 58.5 E147 23.4	286/286	82	0/0	
1 ETHER	S24 45.4 E144 33.0	288/288	171	0/0	
3 VALDZ	S23 27.0 E141 41.8	290/---	175	0/0	
ATS ROUTE W952					
1 AMOCO	S24 00.0 E152 12.5	---/328			
2 KELPI	S22 34.2 E151 35.2	329/332	92	0/0	
1 BOOMA	S20 00.0 E150 41.2	333/333	162	0/0	
2 LAMEK	S18 09.3 E150 02.6	334/334	116	0/0	
1 CALTX	S17 00.0 E149 39.2	334/---	73	0/0	
ATS ROUTE W953					
1 MOBIL	S17 00.0 E150 17.9	---/153			
1 OILER	S18 09.3 E150 42.1	153/154	73	0/0	
1 GASSO	S20 00.0 E151 20.4	153/152	116	0/0	
1 LITER	S22 34.3 E152 18.8	151/151	163	0/0	
1 HALON	S24 00.0 E152 52.3	150/---	91	0/0	
ATS ROUTE W954					
2 CFS VOR	S30 19.2 E153 07.3	---/093			
1 GALON	S30 38.1 E154 32.0	092/092	76	0/0	
3 POSUM	S31 05.9 E156 47.0	090/090	119	0/0	
3 LHI NDB	S31 31.7 E159 04.4	088/088	120	0/0	
1 OCTAN	S31 44.0 E160 14.5	087/---	61	0/0	
ATS ROUTE ZZ781					
4 SATNA	S11 04.2 E124 34.2	---/144			
4 ARG VOR	S16 37.9 E128 26.9	142/142	402	0/0	
2 GEKKO	S21 12.2 E131 50.4	140/140	334	0/0	
2 AS VOR	S23 47.6 E133 52.7	138/---	192	0/0	
ATS ROUTE ZZ910					
3 BIB VOR	S16 55.0 E145 24.7	---/236			
2 FARMA	S17 48.9 E143 35.2	237/237	118	0/0	
2 DEBAZ	S19 17.6 E140 27.7	238/238	199	0/0	
3 YGON AD	S19 46.5 E139 24.4	239/---	66	0/0	
ATS ROUTE ZZ929					
3 TL VOR	S19 14.7 E146 45.5	---/257			
2 ITORT	S19 18.1 E146 07.6	257/257	36	0/0	
2 EYSAW	S19 23.0 E145 10.7	258/258	54	0/0	
2 APUSS	S19 33.1 E143 01.1	259/259	123	0/0	
2 ECATT	S19 41.4 E140 55.6	260/260	119	0/0	
3 YGON AD	S19 46.5 E139 24.4	261/---	86	0/0	
ATS ROUTE ZZ931					
2 YAMB AD	S27 38.4 E152 42.7	---/092			
2 COWIE	S27 40.4 E152 52.1	092/091	9	0/0	
2 MAYSO	S27 41.5 E152 57.6	091/091	5	0/0	
1 JCW VOR	S27 45.7 E153 20.1	091/149	20	0/0	
3 CG VOR	S28 10.1 E153 30.2	148/135	26	0/0	
2 SEMAJ	S28 40.6 E153 53.7	134/---	37	0/0	
ATS ROUTE ZZ932					
3 SEMAJ	S28 40.6 E153 53.7	---/314			
3 CG VOR	S28 10.1 E153 30.2	315/287	37	0/0	
2 RISON	S27 52.1 E152 52.7	287/287	38	0/0	
1 PERSA	S27 49.7 E152 47.8	287/327	5	0/0	
2 YAMB AD	S27 38.4 E152 42.7	327/---	12	0/0	
ATS ROUTE ZZ933					
1 AMB TAC	S27 38.5 E152 43.0	---/195			
1 BAKEL	S27 52.0 E152 35.5	195/147	15	0/0	
2 GAMBL	S28 52.5 E153 02.9	147/125	65	0/0	
1 PIGGY	S29 11.8 E153 23.8	125/---	27	0/0	
ATS ROUTE ZZ975					
1 WAYS VFM	S15 34.5 E131 02.4	---/057			
1 WILE VFM	S15 17.0 E131 33.9	057/032	35	0/0	
1 RESC VFM	S14 46.8 E131 56.2	032/061	37	0/0	
1 BOFOR	S14 14.0 E133 07.5	061/---	77	0/0	
ATS ROUTE ZZ980					
1 AKKER	S19 55.6 E146 25.4	---/331			
1 PELIS	S18 57.0 E146 01.7	332/098	63	0/0	
1 CROKO	S19 03.8 E146 27.7	098/055	26	0/0	
1 PRANA	S18 54.6 E146 46.5	055/---	20	0/0	
ATS ROUTE ZZ989					
2 DN VOR	S12 25.4 E130 54.4	---/185			
3 MUNRO	S14 24.6 E130 36.1	185/185	120	0/0	
3 DICKO	S16 18.2 E130 18.4	185/185	114	0/0	
3 SUANN	S18 14.6 E129 59.9	185/185	117	0/0	
3 YTMN ALA	S19 58.0 E129 43.5	185/---	104	0/0	

Chart Depiction. The following waypoint numbering is indicative of the presentation on Charts

1 NIL **2** ▲ **3** △ **4** ◮ **5** ◬

SECTION 23 – MILITARY SENSITIVE AREAS

(These areas are applicable to military operations only)
(See also ERSA − Fly Neighbourly Areas)
(Levels are AGL unless specified otherwise)

BRISBANE FIR

YB/S1 Katherine Gorge

Overfly by not below 2,500FT AMSL or remain outside the area bounded by straight lines joining S14 15.9 E132 24.1 S14 14.9 E132 37.1 S14 19.9 E132 36.1 S14 19.9 E132 24.1 S14 15.9 E132 24.1

YB/S2 Newcastle / Stockton

Overfly not below 2,000FT or remain outside the area bounded by a line passing from S32 51.3 E151 42.3, along south bank of Hunter River to S32 52.4 E151 43.0 to S32 52.4 E151 48.6 to S32 59.7 E151 48.6 thence clockwise around arc 5NM radius centred on S32 55.9 E151 42.3.

YB/S3 Singleton City

Overfly not below 2000FT or remain outside a circle of 1NM radius centred on S32 23.9 E151 11.1.

YB/S4 Legges Camp / Bombah Pt

Overfly not below 2,000FT or remain outside a circle of 1NM radius centred on S32 29.9 E152 18.1.

YB/S5 Largs

Overfly not below 2,000FT or remain outside a circle of 1NM radius centred on S32 41.9 E151 36.1.

YB/S6 Siding Spring Observatory

Aircraft operating outside controlled airspace are to remain outside the following circular areas centred on S31 16.5 E149 04.1.

Aircraft operating in controlled airspace are to remain on track unless otherwise instructed by Air Traffic Control.

SFC to 10,000FT AMSL	3NM radius
10,000FT to FL200	5NM radius
FL200 to FL300	8NM radius
FL300 to FL450	12NM radius
above FL450	17NM radius

YB/S7 Leadville

Overfly not below 1,000FT or remain outside a circle of 3NM radius centred on S32 01.0 E149 30.3.

YB/S8 Saxonvale Mine

All military aircraft are advised caution is to be exercised flying over coal mines adjacent to west boundary Singleton firing ranges/training areas.

Mine operator advises vertical danger to unspecified heights exists during regular explosive blasting in pits. Aircraft should avoid overflying pits, but no restrictions exist overflying mine buildings, or other parts of mine operation.

Saxonvale is the southern mine of the two.

YB/S9 Pallarenda

Overfly not below 2,000FT or remain outside a circle of 1NM radius centred on position S19 12.1 E146 46.4.
Aircraft departing/arriving Townsville are to comply with avoidance instructions issued by Townsville ATC.

YB/S10 Great Barrier Reef Marine Park (Far Northern Section)

Overfly not below 3,000FT or remain outside the following circular areas of 3NM radius centred on the following co−ordinates:

Ashmore Banks	S11 47.9 E143 38.3
	S11 51.3 E143 35.6
	S11 53.9 E143 39.1
Boydong Islet & Reef	S11 28.9 E143 01.1
	S11 29.9 E143 05.1
Bird Islet	S11 45.9 E143 05.6
Burkitt Island.	S13 56.9 E143 45.3
Bushy Island & Reef	S11 14.9 E142 53.1
	S11 34.9 E142 54.1
	S11 43.9 E142 58.1
Cairncross Island & Reef	S11 13.9 E142 55.1
Cholmondeley Islet & Reef	S11 21.9 E143 03.1
Clack Island & Reef	S14 03.9 E144 15.1
Combe Island & Reef	S14 24.2 E144 54.4
Coquet Island.	S14 32.4 E144 59.6
Davie Reef	S13 58.7 E144 26.9
Douglas Island & Reef	S11 13.9 E142 59.1
Fife Island & Reef	S13 38.9 E143 43.1
Hannah Island.	S13 51.9 E143 43.1
Hay Island.	S13 40.1 E143 41.6
Houghton Island.	S14 31.4 E144 58.6
Howick Island.	S14 30.1 E144 58.6
Ingham Island	S14 25.1 E144 53.3
King Island & Reef	S14 05.9 E144 20.1
Lloyd Island & Reef	S12 45.9 E143 24.1
Lowrie Islet.	S13 16.4 E143 35.8
MacArthur Islands	S11 43.9 E142 59.1
MacLennan Reef	S11 24.2 E143 46.6
Magra Islet & Reef	S11 51.9 E143 17.1
Morris Island & Reef	S13 28.9 E143 43.1
Moulter Reef	S11 24.7 E143 59.6
Newton Island	S14 30.4 E144 55.1
Night Island	S13 10.9 E143 34.6
Pelican Island & Reef	S13 54.7 E143 50.1
Pipon Island & Reef.	S14 06.9 E144 31.1
Quoin Island	S12 24.3 E143 29.6
Raine Island	S11 36.1 E144 01.9
Reef	S13 26.2 E143 58.3
Reef	S13 21.6 E143 57.6
Saunders Islet	S11 41.9 E143 11.1
	S11 42.9 E143 12.1
Sinclair Island & Reef	S14 32.9 E144 54.1
Sinclair Islet & Reef	S11 06.9 E143 01.1
Sir Charles Hardy Island	S11 53.9 E143 28.1
Stainer Islet	S13 57.4 E143 50.1
Tydeman Reef	S13 59.0 E144 30.3
Wallace Island & Reef	S11 26.9 E143 02.1
West Hannibal Lighthouse	S11 35.9 E142 57.1
Wilke Island	S13 46.3 E143 38.5

YB/S11 Great Barrier Reef Marine Park (Cairns Section)

Overfly not below 3,000FT or remain outside the following circular areas of 3NM radius centred on the following co−ordinates:

Agincourt Reefs	S15 59.8 E145 50.0
Beaver Reef	S17 50.1 E146 29.1
Eagle Island & Reef	S14 41.9 E145 23.1
Green Island	S16 45.5 E145 58.1
Hastings Reef	S16 31.2 E146 01.4
Hope Islands	S15 44.9 E145 27.1
Low Islets	S16 23.1 E145 34.3

Low Wooded Island & Reef	S15 05.9 E145 23.1
Mackay Reef	S16 02.9 E145 39.1
Michaelmas Reef	S16 36.3 E145 59.0
Nymph Island	S14 38.9 E145 15.1
Rocky Islets	S14 51.6 E145 29.0
Stephens Island & Reef	S17 43.9 E146 10.1
Taylor Reef	S17 50.1 E146 33.7
Three Isles	S15 06.9 E145 25.6
Turtle Island	S14 43.2 E145 11.5
Two Islands	S15 01.2 E145 26.9
Undine Reef	S16 06.9 E145 40.1

YB/S12 Great Barrier Reef Marine Park (Central Section)

Overfly not below 3,000FT or remain outside the following circular areas of 3NM radius centred on the following coordinates:

Brook Islands	S18 08.6 E146 17.3
Dunk Island	S17 56.6 E146 09.4
Eshelby Island	S20 01.2 E148 37.6
Family Islands	S18 02.3 E146 10.8
Hardy Reef	S19 45.7 E149 13.9
John Brewer Reef	S18 38.1 E147 03.8

YB/S13 Great Barrier Reef Marine Park (Mackay / Capricorn Section)

Overfly not below 3,000FT or remain outside the following circular areas of 3NM radius centred on the following coordinates:

Bell Cay	S21 48.8 E151 14.9
Bushy Island	S20 57.5 E150 05.1
Bylund Cay	S21 47.2 E152 24.7
Gannett Cay	S21 58.9 E152 28.5
Frigate Cay	S21 44.4 E152 25.1
Price Cay	S21 47.2 E152 26.6
Redbill Island	S20 58.4 E150 05.1
Thomas Cay	S21 38.9 E152 21.6

YB/S14 Great Barrier Reef Marine Park (Southern Section)

Overfly not below 3,000FT or remain outside the following circular areas of 3NM radius centred on the following co−ordinates:

Fairfax Islands	S23 51.4 E152 22.4
Heron Island	S23 26.5 E151 54.8
Hoskyn Islands	S23 48.2 E152 17.8
Lady Elliot Island	S24 06.9 E152 42.6
Lady Musgrave Island	S23 54.4 E152 23.6
Masthead Islet	S23 32.2 E151 44.6
North Reef	S23 11.0 E151 54.4
North West Island	S23 17.8 E151 42.4
One Tree Island	S23 30.4 E152 05.5
Tryon Island	S23 14.8 E151 46.6
Wilson Island	S23 18.3 E151 54.9
Wreck Island	S23 19.9 E151 57.3

YB/S15 Pelican Rock / Akens Island

During the months October to March, the rock is a nesting area for pelicans.
Pilots of low−flying aircraft are requested to avoid the area over and near S22 20.4 E150 15.6 as far as practicable during this period.

RESTRICTED AREAS.

The existing Defence Restricted Areas which are located within the Park have been identified in the Zoning Plans. The conduct of Defence operations within declared restricted areas is not restricted, however, the Zoning Plans call for prior notification to the Marine Park Authority

The Queensland State Marine Parks Act, Hervey Bay Zoning Plan, restricts aircraft operations within the area depicted in the Park Zoning Plan as follows:

The pilot in command shall not manoeuvre an aircraft lower than 1000FT above an area within 300M of any humpback whale between 01 August and 30 November each year without a permit.

Permits and other information may be obtained from the Assistant Director Marine Parks, Queensland Department of Environment and Heritage, PO Box 155 North Quay Queensland.

The Zoning Plan prohibits the operation of helicopters due to the disturbing effects of downdraft on the whales.

Military pilots are requested to comply with the above requirements.

MELBOURNE FIR

YM/S1 Altona

Overfly not below 500FT and preferably by 1500FT or remain outside a circle of .5 NM radius centred on S37 51.1 E144 48.4

YM/S2 Sarsfield

Overfly not below 1,000FT or remain 5NM outside a circle extending 5NM laterally centred on the position ESL 040034 (S37 44.9 E147 42.8).

YM/S3 Clyde River Valley

Overfly not below 4,000FT or remain outside an area bounded by a semicircle of 2NM radius centred on Nelligen (S35 38.9 E150 08.1) thence 2NM either side of the Clyde river, Northbound to join a semi−circle of 2NM radius centred on Brooman (S35 27.9 E150 14.4)

YM/S4 Mt Stromlo Observatory

Aircraft operating outside controlled airspace are to remain outside the following circular areas centred on S35 19.2 E149 00.4.

Aircraft operating in controlled airspace are to remain on track unless otherwise instructed by Air Traffic Control.

SFC to 10,000FT AMSL	1NM radius
10000FT to FL200	5NM radius
FL 200 to FL300	8NM radius
FL300 to FL450	12NM radius
Above FL450	17NM radius

PERMANENT DRILLING RIGS

Oil and Gas platforms (land and sea) are declared sensitive areas. They are to be avoided by an airspace of 1,000FT vertically and one nautlcal mile horizontally. Permanent Drilling Rigs are listed below.

Barracouta A	S38 17.8 E147 40.5
Barrow Island	S20 49.9 E115 25.1
Cobia Platform	S38 27.0 E148 18.5
Flounder Platform	S38 18.9 E148 26.4
Fortescue Platform	S38 24.9 E148 16.7
Halibut A	S38 24.3 E148 19.3
Kingfish A	S38 35.8 E148 08.7
Kingfish B	S38 35.8 E148 11.3
Kingfish West	S38 35.6 E148 06.3
Mackeral	S38 28.8 E148 20.6
Marlin A	S38 13.8 E148 13.2
North Rankin A	S19 35.1 E116 08.2
Snapper	S38 11.6 E148 01.5
Tuna	S38 10.2 E148 25.2

SECTION 24 – MILITARY AAR AND AEW&C AIRSPACE

1. **GENERAL.** The conduct of Air to Air Refuelling (AAR) and Airborne Early Warning and Control (AEW&C) operations is based on the strict requirement that participating aircraft remain within specifically designated airspace. In general AAR and AEW&C operations in Australian airspace are conducted on tracks and in anchor patterns published in this document. Where mission requirements necessitate operations outside of published areas refer to Australian Defence Force General Planning Australia (ADF GPA) for planning information.

2. AAR operations will be conducted under instrument flight rules. The tanker aircraft is responsible for requesting altitude clearance and routing, if different than flight plan routing, for the receiver(s) and tanker beyond the AR Exit point. Throughout the refuelling operation, controller initiated heading assignments may not be effected without a clearance from the tanker. Each aircraft must receive a specific clearance prior to leaving the refuelling track/anchor if outside Military Restricted airspace.

3. **EXPLANATION OF TERMS**.

a. **Refuelling Tracks:**

RVIP – Rendezvous Initial Point. A planned geographic point prior to the RVCP to which tankers and receivers time independently to effect an arrival at the RV control time.

RVCP –Rendezvous Control Point. The planned geographic point over which the receiver(s) arrive in the observation/astern position with respect to the assigned tanker.

Navigation Checkpoints – Designated points where required to provide a means for adequate navigation along track.

Exit – The point at which the refuelling track terminates.

Communication / Rendezvous Plan (C/R Plan) –

i. Primary UHF,
ii. Backup UHF,
iii. APN 69/134/135 Settings,
iv. APX 78/Encode/Decode,
v. TACAN Channels Receiver/Tanker,
vi. N/R = Not required.

Refuelling Altitudes – The block of airspace within which refuelling operations may be conducted.

Scheduling Unit – The military unit responsible for scheduling AAR operations along the route.

Assigned Centre – Primary airspace control authority.

SODAR – Simultaneous Opposite Direction Air Refuelling.

b. **Refuelling Anchors:**

Entry Points – Designated points where tanker aircraft may enter the anchor area without the assistance of radar. When tanker is actively controlled by ATC or GCI the tanker may proceed to the anchor point without crossing an Entry point.

Anchor Point / Inbound Course / Leg length – The geographic point upon which the anchor pattern is oriented and the inbound course to the anchor point and the length of the inbound leg.

Anchor Pattern – A left hand pattern with the four defining points of the pattern.

Exit Point – Designated points where tanker and receiver aircraft may depart the anchor area after refuelling is complete. Under positive radar control tanker and receiver aircraft may exit anchor pattern without crossing an exit point.

AMBERLEY AAR and AEW&C AIRSPACE

NUMBER	ENTRY POINTS	RVIP	ANCHOR POINT/ IB COURSE/ PATTERN LENGTH	ANCHOR PATTERN	EXIT POINTS	CR PLAN	REFUELLING ALTITUDES	SCHEDULING UNIT	ASSIGNED CENTRE	TIMES OF OPERATION
AM11	None specified	None specified	26 06.1 S 154 48.0 E (AM11C) 48° 45nm	26 06.1 S 154 48.0 E 25 48.9 S 154 36.6 E 26 11.8 S 153 53.5 E 26 29.1 S 154 04.9 E	None specified	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	FL200/FL300	33SQN OPS 07 5361 0033	RAAF CRU (Freq TBA) if R637C/D active Brisbane (As assigned) if R637C/D deactivated	NOTAM
AIRSPACE: 26 15.7 S 153 29.9 E (AMX100) to 24 49.7 to S 155 02.1 E (AMX101) to 25 39.5 S 155 54.0 E (AMX102) to 26 46.7 S 153 53.5 E (AMX103) to 26 15.7 S 153 29.9 E (AMX100)										
REMARKS: Pattern size: 45nm x 20nm. Pattern exists within R637C and D (5000-NOTAM).										
AM13	None specified	None specified	27 06.9 S 155 54.3 E (AM13C) 45° 45nm	27 06.9 S 155 54.3 E 26 50.1 S 155 42.0 E 27 14.8 S 154 59.6 E 27 31.6 S 155 11.9 E	None specified	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	FL200/FL300	33SQN OPS 07 5361 0033	RAAF CRU (Freq TBA) if R650B active Brisbane (As assigned) if R650B deactivated	NOTAM
AIRSPACE: 27 46.5 S 154 44.5 E (AMX104) to 27 13.2 S 154 44.5 E (AMX105) to 26 33.4 S 155 46.9 E (AMX106) to 26 15.8 S 156 30.5 E (AMX107) to 27 16.6 S 157 31.1 E (AMX108) to 28 50.2 S 156 37.9 E (AMX109) to 27 46.5 S 154 44.5 E (AMX104).										
REMARKS: Pattern size: 45nm x 20nm. Pattern exists within R650B (5000-NOTAM).										
AM15	None specified	None specified	29 24.5 S 154 40.7 E (AM15C) 15° 45nm	29 24.5 S 154 40.7 E 29 15.4 S 154 20.3 E 29 55.5 S 153 56.5 E 30 04.6 S 154 17.0 E	None specified	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	FL200/FL300	33SQN OPS 07 5361 0033	RAAF CRU (Freq TBA) if R662A active Brisbane (As assigned) if R662A deactivated	NOTAM
AIRSPACE: 28 52.2 S 153 49.7 E (AMX110) to 28 29.2 S 153 57.6 E (AMX111) to 28 33.8 S 154 09.3 E (AMX112) to 29 13.4 S 155 07.2 E (AMX113) to 30 28.2 S 154 25.9 E (AMX114) to 30 18.9 S 153 29.5 E (AMX115) to 29 39.4 S 153 37.6 E (AMX116) then along the minor arc of a circle of 30.00NM radius centred on 29 11.9 S 153 23.7 E to 28 52.2 S 153 49.7 E (AMX110)										
REMARKS: Pattern size: 45nm x 20nm. Pattern exists within R662A (5000-NOTAM).										

NUMBER	ENTRY POINTS	RVIP	ANCHOR POINT/ IB COURSE/ PATTERN LENGTH	ANCHOR PATTERN	EXIT POINTS	CR PLAN	REFUELLING ALTITUDES	SCHEDULING UNIT	ASSIGNED CENTRE	TIMES OF OPERATION
AM17	None specified	None specified	28 52.3 S 150 12.9 E (AM17C) 030° 45nm	28 52.3 S 150 12.9 E 28 22.1 S 150 42.3 E 28 35.0 S 150 59.4 E 29 05.2 S 150 30.1 E 28 52.3 S 150 12.9 E	None specified	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	FL200/FL300	33SQN OPS 07 5361 0033	RAAF CRU (Freq TBA) if R639D active Brisbane (As assigned) if R639D deactivated	NOTAM
AIRSPACE: 29 22.2 S 150 09.3 E (AMX117) to 28 28.5 S 149 53.4 E (AMX125) to 28 08.5 S 151 03.6 E (AMX126) to 28 19.7 S 151 08.8 E (AMX127) to 28 35.5 S 151 20.6 E (AMX128) to 28 44.5 S 151 29.7 E (AMX129) to 29 22.2 S 150 09.3 E (AMX117)										
REMARKS: Pattern size: 40nm x 20nm. Pattern exists within R639D (10000-NOTAM).										
AM19	None specified	None specified	27 58.5 S 149 58.7 E (AM19C) 030° 40nm	27 58.5 S 149 58.7 E 27 28.2 S 150 28.1 E 27 41.2 S 150 45.2 E 28 11.6 S 150 15.8 E 27 58.5 S 149 58.7 E	None specified	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	FL200/FL300	33SQN OPS 07 5361 0033	RAAF CRU (Freq TBA) if R639C active Brisbane (As assigned) if R639C deactivated	NOTAM
AIRSPACE: 28 10.0 S 149 48.0 E (AMX118) to 26 57.6 S 149 44.1 E (AMX130) to 27 17.7 S 150 53.7 E (AMX131) to 27 28.5 S 150 53.1 E (AMX132) to 27 45.0 S 150 55.6 E (AMX133) to 28 01.1 S 151 00.2 E (AMX134) to 28 08.5 S 151 03.6 E (AMX135) to 28 28.5 S 149 53.4 E (AMX136) to 28 10.0 S 149 48.0 E (AMX118)										
REMARKS: Pattern size: 40nm x 20nm. Pattern exists within R639C (10000-NOTAM).										
AM22	None specified	None specified	24 51.2 S 155 14.4 E (AM22C) 125° 50nm	24 51.2 S 155 14.4 E 24 13.8 S 154 37.9 E 24 00.5 S 154 54.3 E 24 37.9 S 155 30.8 E	None specified	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	FL200/FL300	33SQN OPS 07 5361 0033		NOTAM
AIRSPACE: 25 06.9 S 155 19.9 E (AMX200) to 24 49.7 S 155 02.1 E (AMX201) to 24 08.4 S 154 19.8 E (AMX202) to 23 45.9 S 154 47.5 E (AMX203) to 24 45.7 S 155 45.9 E (AMX204) to 25 06.9 S 155 19.9 E (AMX200)										
REMARKS: Pattern size: 50nm x 20nm. Airspace size: 80nm x 30nm. No current procedure available for anchor AAR operations outside Military controlled airspace.										
AM24	None specified	None specified	27 01.1 S 157 25.0 E (AM24C) 125° 50nm	27 01.1 S 157 25.0 E 26 24.2 S 156 47.2 E 26 10.6 S 157 03.7 E 26 47.5 S 157 41.5 E	None specified	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	FL200/FL300	33SQN OPS 07 5361 0033		NOTAM
AIRSPACE: 27 16.6 S 157 31.1 E (AMX205) to 26 16.8 S 156 31.4 E (AMX206) to 25 56.2 S 156 56.5 E (AMX207) to 26 55.1 S 157 57.0 E (AMX208) to 27 16.6 S 157 31.1 E (AMX205). **REMARKS:** Pattern size: 50nm x 20nm. Airspace size: 80nm x 30nm. No current procedure available for anchor AAR operations outside Military controlled airspace.										

NUMBER	ENTRY POINTS	RVIP	ANCHOR POINT/ IB COURSE/ PATTERN LENGTH	ANCHOR PATTERN	EXIT POINTS	CR PLAN	REFUELLING ALTITUDES	SCHEDULING UNIT	ASSIGNED CENTRE	TIMES OF OPERATION
AM26	None specified	None specified	30 03.2 S 156 23.1 E (AM26C) 17° 45nm	30 03.2 S 156 23.1 E 30 43.8 S 156 00.6 E 30 35.1 S 155 39.7 E 29 54.5 S 156 02.3 E	None specified	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	FL200/FL300	33SQN OPS 07 5361 0033		TBA
AIRSPACE: 29 51.7 S 156 35.7 E (AMX209) to 30 59.6 S 155 58.3 E (AMX210) to 30 46.5 S 155 26.9 E (AMX211) to 29 38.8 S 156 04.6 E (AMX212) to 29 51.7 S 156 35.7 E (AMX209)										
REMARKS: Pattern size: 45nm x 20nm. Airspace size: 75nm x 30nm. No current procedure available for anchor AAR operations outside Military controlled airspace.										
AM28	None specified	None specified	27 49.3 S 149 15.6 E (AM28C) 344° 50nm	27 49.3 S 149 15.6 E 27 46.1 S 149 37.8 E 28 35.5 S 149 47.0 E 28 38.8 S 149 24.6 E	None specified	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	FL200/FL300	33SQN OPS 07 5361 0033		NOTAM
AIRSPACE: 27 35.2 S 149 07.4 E (AMX213) to 27 29.7 S 149 45.8 E (AMX214) to 28 10.0 S 149 48.0 E (AMX118) to 28 49.0 S 149 59.4 E (AMX215) to 28 54.4 S 149 21.7 E (AMX216) to 27 35.2 S 149 07.4 E (AMX213)										
REMARKS: Pattern size: 50nm x 20nm. Airspace size: 80nm x 30nm. No current procedure available for anchor AAR operations outside Military controlled airspace.										
AM83	None specified	None specified	25 00.2 S 155 52.9 E (AM83C) 305° 70nm	25 00.2 S 155 52.9 E 25 48.5 S 156 41.1 E 26 02.0 S 156 24.7 E 25 13.6 S 155 36.4 E	None specified	N/A	FL260/FL320	2SQN	Brisbane	TBA
AIRSPACE: 24 45.7 S 155 45.9 E (AMX900) to 25 56.2 S 156 56.5 E (AMX901) to 26 16.8 S 156 31.4 E (AMX902) to 26 15.8 S 156 30.5 E (AMX107) to 25 39.5 S 155 54.0 E (AMX102) to 25 06.9 S 155 19.9 E (AMX903) to 24 45.7 S 155 45.9 E (AMX900)										
REMARKS: Pattern size: 70nm x 20nm. Airspace size: 100nm x 30nm.										
AM84	None specified	None specified	29 13.4 S 149 31.0 E (AM84C) 340° 70nm	29 13.4 S 149 31.0 E 27 21.1 S 149 10.5 E 27 17.9 S 149 32.7 E 29 10.2 S 149 53.5 E 29 13.4 S 149 31.0 E	None specified	N/A	FL260/FL320	2SQN	Brisbane	TBA
AIRSPACE: 29 28.1 S 149 27.9 E (AMX905) to 27 03.8 S 149 01.8 E (AMX137) to 26 57.6 S 149 44.1 E (AMX138) to 28 10.0 S 149 48.0 E (AMX118) to 29 22.2 S 150 09.3 E (AMX117) to 29 28.1 S 149 27.9 E (AMX905)										
REMARKS: Pattern size: 113nm x 20nm. Airspace size: 146nm x 30nm.										

DARWIN AAR and AEW&C AIRSPACE

NUMBER	ENTRY POINTS	RVIP	ANCHOR POINT/ IB COURSE/ PATTERN LENGTH	ANCHOR PATTERN	EXIT POINTS	CR PLAN	REFUELLING ALTITUDES	SCHEDULING UNIT	ASSIGNED CENTRE	TIMES OF OPERATION
DN81	None specified	None specified	09 45.4 S 132 15.5 E (DN81C) 302° 70nm	09 45.4 S 132 15.5 E 10 26.5 S 133 12.6 E 10 42.8 S 133 00.7 E 10 01.7 S 132 03.6 E	None specified	N/A	FL260/FL320	2SQN	Brisbane	TBA
AIRSPACE: 09 32.5 S 132 06.2 E (DNX900) to 10 31.3 S 133 27.9 E (DNX901) to 11 04.6 S 133 03.5 E (DNX902) then along the minor arc of a circle of 150.00NM radius centred on 12 25.4 S 130 54.4 E (DN/DME) to 10 02.9 S 131 43.9 E (DNX903) to 09 32.5 S 132 06.2 E (DNX900)										
REMARKS: Pattern size: 70nm x 20nm. Airspace size: 100nm x 30nm.										
DN82	None specified	None specified	14 23.2 S 128 11.5 E (DN82C) 312° 70nm	14 23.2 S 128 11.5 E 14 09.0 S 128 26.0 E 14 58.8 S 129 17.2 E 15 13.1 S 129 02.6 E	None specified	N/A	FL260/FL320	2SQN	Brisbane	TBA
AIRSPACE: 14 16.0 S 127 56.9 E (DNX904) to 13 50.4 S 128 23.3 E (DNX905) then along the minor arc of a circle of 170.00NM radius centred on 12 25.4 S 130 54.4 E (DN/DME) to 14 59.2 S 129 38.6 E (DNX906) to 15 27.3 S 129 09.9 E (DNX907) to 14 16.0 S 127 56.9 E (DNX904)										
REMARKS: Pattern size: 70nm x 20nm. Airspace size: 100nm x 30nm.										
DN83	None specified	None specified	12 09.3 S 127 32.2 E (DN83C) 352° 70nm	12 09.3 S 127 32.2 E 12 07.5 S 127 52.5 E 13 17.7 S 127 58.9 E 13 19.5 S 127 38.5 E	None specified	N/A	FL260/FL320	2SQN	Brisbane	TBA
AIRSPACE: 11 54.7 S 127 25.8 E (DNX908) to 11 51.3 S 128 04.3 E (DNX909) then along the minor arc of a circle of 170.00NM radius centred on 12 25.4 S 130 54.4 E (DN/DME) to 13 31.6 S 128 13.9 E (DNX910) to 13 35.0 S 127 34.7 E (DNX911) to 11 54.7 S 127 25.8 E (DNX908)										
REMARKS: Pattern size: 70nm x 20nm. Airspace size: 100nm x 30nm.										

EAXA AAR and AEW&C AIRSPACE

NUMBER	ENTRY POINTS	RVIP	ANCHOR POINT/ IB COURSE/ PATTERN LENGTH	ANCHOR PATTERN	EXIT POINTS	CR PLAN	REFUELLING ALTITUDES	SCHEDULING UNIT	ASSIGNED CENTRE	TIMES OF OPERATION
NW81	None specified	None specified	36 09.4 S 153 16.9 E (NW81C) 30° 70nm	36 09.4 S 153 16.9 E 36 59.1 S 152 15.4 E 36 44.9 S 151 57.8 E 35 55.3 S 152 59.3 E	None specified	N/A	FL260/FL320	2SQN	Brisbane	TBA
AIRSPACE: 36 02.2 S 153 34.2 E (NWX900) to 37 13.2 S 152 06.5 E (NWX901 to 36 46.3 S 151 33.3 E (NWX902) then along the minor arc of a circle of 120.00NM radius centred on 34 57.0 S 150 32.0 E (NWA/TAC) to 35 29.1 S 152 53.1 E (NWX903) to 36 02.2 S 153 34.2 E (NWX900)										
REMARKS: Pattern size: 70nm x 20nm. Airspace size: 100nm x 30nm.										
NW82	None specified	None specified	35 32.4 S 150 29.5 E (NW82C) 342° 70nm	35 32.4 S 150 29.5 E 36 42.2 S 150 37.1 E 36 43.9 S 150 12.3 E 35 34.1 S 150 05.1 E	None specified	N/A	FL260/FL320	2SQN	Melbourne	TBA
AIRSPACE: 35 17.0 S 150 34.2 E (NWX904) to 36 56.7 S 150 45.0 E (NWX905) to 36 59.3 S 150 07.6 E (NWX906) to 35 19.5 S 149 57.5 E (NWX907) to 35 17.0 S 150 34.2 (NWX904)										
REMARKS: Pattern size: 70nm x 20nm. Airspace size: 100nm x 30nm.										

TINDAL AAR and AEW&C AIRSPACE

NUMBER	ENTRY POINTS	RVIP	ANCHOR POINT/ IB COURSE/ PATTERN LENGTH	ANCHOR PATTERN	EXIT POINTS	CR PLAN	REFUELLING ALTITUDES	SCHEDULING UNIT	ASSIGNED CENTRE	TIMES OF OPERATION
TN11	None specified	None specified	14 15.5 S 132 19.0 E (TN11C) 315° 30nm	14 15.5 S 132 19.0 E 14 25.4 S 132 07.3 E 14 48.1 S 132 27.6 E 14 38.2 S 132 39.3 E	None specified	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	F160/F190	33SQN OPS 07 5361 0033	RAAF CRU (Freq TBA) if R249 Active Brisbane (As assigned) if R249 Deactivated	NOTAM
AIRSPACE: A circle of 27.50NM radius centred on 14 31.3 S 132 22.7 E (YPTN/AD)										
REMARKS: Pattern exists within R249 (10000-NOTAM) remaining 2.5NM clear of boundary. Pattern size: 30nm x 15nm.										
TN12	None specified	None specified	13 35.7 S 130 45.4 E (TN12C) 266° 35nm	13 35.7 S 130 45.4 E 13 53.8 S 130 45.5 E 13 53.8 S 131 21.5 E 13 35.5 S 131 21.4 E	None specified	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	F160/F190	33SQN OPS 07 5361 0033	RAAF CRU (Freq TBA) if R225 Active Brisbane (As assigned) if R225 Deactivated	NOTAM
AIRSPACE: 14 00.0 S 130 22.4 E (TNX101) to 13 25.4 S 130 35.7 E (TNX102) then along the minor arc of a circle of 62.50NM radius centred on 12 25.4 S 130 54.4 E (DN/DME) to 13 21.6 S 131 22.9 E (TNX103) to 14 00.0 S 131 49.7 E (TNX104) to 14 00.0 S 130 22.4 E (TNX101)										
REMARKS: Pattern exists within R225 (9500-NOTAM). Pattern size: 35nm x 18nm. Tanker to remain North of latitude S14 and South of 62.5DME DN.										
TN81	None specified	None specified	14 55.2 S 135 25.9 E (TN81C) 195° 70nm	14 55.2 S 135 25.9 E 16 01.8 S 135 01.9 E 15 55.1 S 134 42.3 E 14 48.8 S 135 06.3 E	None specified	N/A	FL260/FL320	2SQN	Brisbane	TBA
AIRSPACE: 14 42.5 S 135 35.9 E TNX900) to 16 17.6 S 135 01.7 E (TNX901) to 16 05.0 S 134 24.2 E (TNX902) then along the minor arc of a circle of 150.00NM radius centred on 14 31.3 S 132 22.7 E (YPTN/AD) to 14 30.0 S 134 57.3 E (TNX903) to 14 42.5 S 135 35.9 E (TNX900)										
REMARKS: Pattern size: 70nm x 20nm. Airspace size: 100nm x 30nm.										

NUMBER	ENTRY POINTS	RVIP	ANCHOR POINT/ IB COURSE/ PATTERN LENGTH	ANCHOR PATTERN	EXIT POINTS	CR PLAN	REFUELLING ALTITUDES	SCHEDULING UNIT	ASSIGNED CENTRE	TIMES OF OPERATION
TN82	None specified	None specified	16 29.7 S 130 03.3 E (TN82C) 304° 70nm	16 29.7 S 130 03.3 E 16 13.9 S 130 16.2 E 16 57.4 S 131 13.8 E 17 13.2 S 131 01.0 E	None specified	N/A	FL260/FL320	2SQN	Brisbane	TBA
AIRSPACE: 16 24.3 S 129 47.9 E (TNX904) to 15 53.7 S 130 12.8 E (TNX905) then along the minor arc of a circle of 150.00NM radius centred on 14 31.3 S 132 22.7 E (YPTN/AD) to 16 54.9 S 131 35.7 E (TNX906) to 17 26.4 S 131 10.2 E (TNX907) to 16 24.3 S 129 47.9 E (TNX904)										
REMARKS: Pattern size: 70nm x 20nm. Airspace size: 100nm x 30nm.										
TN83	None specified	None specified	13 28.7 S 130 04.3 E (TN83C) 17° 70nm	13 28.7 S 130 04.3 E 13 35.8 S 130 23.5 E 14 41.7 S 129 58.2 E 14 34.6 S 129 38.9 E	None specified	N/A	FL260/FL320	2SQN	Brisbane	TBA
AIRSPACE: 13 12.9 S 130 04.9 E (TNX908) to 13 23.4 S 130 33.7 E (TNX909) to 14 57.5 S 129 57.5 E (TNX910) to 14 46.9 S 129 28.6 E (TNX911) to 13 12.9 S 130 04.9 E (TNX908)										
REMARKS: Pattern size: 70nm x 20nm. Airspace size: 100nm x 30nm.										

TOWNSVILLE AAR and AEW&C AIRSPACE

NUMBER	ENTRY POINTS	RVIP	ANCHOR POINT/ IB COURSE/ PATTERN LENGTH	ANCHOR PATTERN	EXIT POINTS	CR PLAN	REFUELLING ALTITUDES	SCHEDULING UNIT	ASSIGNED CENTRE	TIMES OF OPERATION
TL11	None specified	None specified	19 36.2 S 145 05.4 E (TL11C) 256° 40nm	19 36.2 S 145 05.4 E 19 56.1 S 145 07.8 E 19 51.5 S 145 49.8 E 19 31.6 S 145 47.5 E	None specified	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	Within NOTAM vertical limits	33SQN OPS 07 5361 0033	RAAF CRU (Freq TBA) if R737 Active Brisbane (As assigned) if R737 Deactivated	NOTAM

AIRSPACE: 20 11.9 S 144 53.7 E (TLX100) to 19 26.7 S 144 39.3 E (TLX101) to 19 21.9 S 145 31.9 E (TLX102) to 19 19.0 S 146 01.7 E (TLX103) to 19 35.0 S 146 04.5 E (TLX104) to 19 45.1 S 146 12.6 E (TLX105) to 19 52.0 S 146 37.0 E (TLX106) to 20 01.2 S 145 50.0 E (TLX107) to 20 11.9 S 144 53.7 E (TLX100)

REMARKS: Pattern exists within R737A and R737B (7000-NOTAM). Pattern size: 40nm x 20nm. Check status of R741B (5000-NOTAM).

TL12	None specified	None specified	18 34.1 S 145 12.1 E (TL12C) 295° 40nm	18 34.1 S 145 12.1 E 18 51.0 S 145 00.8 E 19 12.5 S 145 36.4 E 18 55.5 S 145 47.7 E	None specified	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	Within NOTAM vertical limits	33SQN OPS 07 5361 0033	RAAF CRU (Freq TBA) if R737 Active Brisbane (As assigned) if R737 Deactivated	NOTAM

AIRSPACE: 19 26.7 S 144 39.3 E (TLX101) to 18 14.5 S 144 56.2 E (TLX108) to 18 18.2 S 145 12.4 E (TLX109) to 18 38.6 S 145 42.1 E (TLX110) to 19 06.0 S 146 10.0 E (TLX111) to 19 19.0 S 146 01.7 E (TLX103) to 19 21.9S 145 31.9E (TLX102) to 19 26.7S 144 39.3E (TLX101)

REMARKS: Pattern exists within R737C and R737D (7000-NOTAM). Pattern size: 40nm x 20nm.

TL81	None specified	None specified	19 46.5 S 144 13.7 E (TL81C) 349° 70nm	19 46.5 S 144 13.7 E 18 36.4 S 144 09.0 E 18 35.1 S 144 30.0 E 19 45.2 S 144 34.9 E	None specified	N/A	FL260/FL320	2SQN	Brisbane	TBA

AIRSPACE: 20 02.0 S 144 09.5 E (TLX900) to 18 21.5 S 144 02.7 E (TLX901) to 18 17.9 S 144 54.0 E (TLX902) then along the minor arc of a circle of 120.00NM radius centred on 19 14.7 S 146 45.5 E (TL/DME) to 19 59.5 S 144 47.5 E (TLX903) to 20 02.0 S 144 09.5 E (TLX900)

REMARKS: Pattern size: 70nm x 20nm. Airspace size: 100nm x 30nm.

WILLIAMTOWN AAR and AEW&C AIRSPACE

NUMBER	ENTRY POINTS	RVIP	ANCHOR POINT/ IB COURSE/ PATTERN LENGTH	ANCHOR PATTERN	EXIT POINTS	CR PLAN	REFUELLING ALTITUDES	SCHEDULING UNIT	ASSIGNED CENTRE	TIMES OF OPERATION
WM11	None specified	None specified	30 55.7 S 153 51.4 E (WM11C) 277° 50nm	30 55.7 S 153 51.4 E 31 04.8 S 154 48.3 E 31 24.7 S 154 43.8 E 31 15.5 S 153 47.0 E	None specified	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	F130/F330	33SQN OPS 07 5361 0033	RAAF CRU (Freq TBA) if R574 Active Brisbane (As assigned) if R574 Deactivated	NOTAM
AIRSPACE: 32 02.5 S 152 47.8 E (WMX100) to 30 46.4 S 153 26.2 E (WMX101) to 31 03.7 S 155 14.6 E (WMX102) to 31 34.9 S 155 04.4 E (WMX103) to 31 54.2 S 154 02.4 E (WMX104) to 32 15.9 S 152 49.9 E (WMX105) to 32 02.5 S 152 47.8 E (WMX100)										
REMARKS: Pattern exists within R574 (G/L) (SFC-FL600). Pattern size: 50nm x 20nm.										
WM12	None specified	None specified	31 46.5 S 153 01.5 E (WM12C) 191° 40nm	31 46.5 S 153 01.5 E 31 54.4 S 153 23.0 E 31 17.7 S 153 41.5 E 31 09.7 S 153 20.1 E	None specified	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	F130/F330	33SQN OPS 07 5361 0033	RAAF CRU (Freq TBA) if R574 Active Brisbane (As assigned) if R574 Deactivated	NOTAM
AIRSPACE: 32 02.5 S 152 47.8 E (WMX100) to 30 46.4 S 153 26.2 E (WMX101) to 30 55.2 S 154 20.2 E (WMX106) to 31 54.2 S 154 02.4 E (WMX104) to 32 15.9 S 152 49.9 E (WMX105) to 32 02.5 S 152 47.8 E (WMX100)										
REMARKS: Pattern exists within R574 (G) (SFC-FL600). Pattern size: 40nm x 20nm.										
WM13	None specified	None specified	32 26.1 S 152 51.4 E (WM013) 238° 35nm	32 26.1 S 152 51.4 E 32 43.2 S 152 58.5 E 32 31.4 S 153 37.4 E 32 14.4 S 153 30.3 E	None specified	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	F130/F330	33SQN OPS 07 5361 0033	RAAF CRU (Freq TBA) if R574 Active Brisbane (As assigned) if R574 Deactivated	NOTAM
AIRSPACE: 32 40.3 S 152 18.3 E (WMX107) to 32 34.6 S 152 15.1 E (WMX108) to 32 15.9 S 152 49.9 E (WMX105) to 31 54.2 S 154 02.4 E (WMX104) to 32 42.0 S 153 47.7 E (WMX109) to 32 50.0 S 152 55.2 E (WMX110) to 32 48.9 S 152 19.6 E (WMX111) to 32 40.3 S 152 18.3 E (WMX107)										
REMARKS: Pattern exists within R574 (B/H) (SFC-FL600). Pattern size: 35nm x 18nm.										

NUMBER	ENTRY POINTS	RVIP	ANCHOR POINT/ IB COURSE/ PATTERN LENGTH	ANCHOR PATTERN	EXIT POINTS	CR PLAN	REFUELLING ALTITUDES	SCHEDULING UNIT	ASSIGNED CENTRE	TIMES OF OPERATION
WM14	None specified	None specified	32 55.5 S 152 42.4 E (WM14C) 255° 32nm	32 55.5 S 152 42.4 E 33 13.5 S 152 43.2 E 33 12.2 S 153 21.2 E 32 54.2 S 153 20.4 E	None specified	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	F130/F330	33SQN OPS 07 5361 0033	RAAF CRU (Freq TBA) if R574 Active Brisbane (As assigned) if R574 Deactivated	NOTAM

AIRSPACE: 32 57.4 S 152 17.4 E (WMX112) to 32 48.9 S 152 19.6 E (WMX111) to 32 50.0 S 152 55.2 E (WMX110) to 32 42.0 S 153 47.7 E (WMX109) to 33 17.7 S 153 32.3 E (WMX113) to 33 21.2 S 152 42.1 E (WMX114) to 33 03.1 S 152 13.6 E (WMX115) to 32 57.4 S 152 17.4 E (WMX112)

REMARKS: Pattern exists within R574 (C/J) (SFC-FL600). Pattern size: 32nm x 18nm.

NUMBER	ENTRY POINTS	RVIP	ANCHOR POINT/ IB COURSE/ PATTERN LENGTH	ANCHOR PATTERN	EXIT POINTS	CR PLAN	REFUELLING ALTITUDES	SCHEDULING UNIT	ASSIGNED CENTRE	TIMES OF OPERATION
WM15	None specified	None specified	33 30.5 S 153 04.0 E (WM15C) 257° 40nm	33 30.5 S 153 04.0 E 33 45.5 S 153 03.4 E 33 45.5 S 153 51.8 E 33 30.4 S 153 51.8 E	None specified	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	F130/F330	33SQN OPS 07 5361 0033	RAAF CRU (Freq TBA) if R574 Active Brisbane (As assigned) if R574 Deactivated	NOTAM

AIRSPACE: 33 49.0 S 152 40.3 E (WMX116) to 33 21.2 S 152 42.1 E (WMX114) to 33 14.0 S 154 21.0 E (WMX117) to 33 49.0 S 154 00.1 E (WMX118) to 33 49.0 S 152 40.3 E (WMX116)

REMARKS: Pattern exists within R574 (K/P) (SFC-FL600). Pattern size: 40nm x 15nm.

NUMBER	ENTRY POINTS	RVIP	ANCHOR POINT/ IB COURSE/ PATTERN LENGTH	ANCHOR PATTERN	EXIT POINTS	CR PLAN	REFUELLING ALTITUDES	SCHEDULING UNIT	ASSIGNED CENTRE	TIMES OF OPERATION
WM16	None specified	None specified	32 09.8 S 150 36.1 E (WM16C) 342° 40nm	32 09.8 S 150 36.1 E 32 11.9 S 150 12.6 E 32 51.7 S 150 17.5 E 32 50.1 S 150 40.9 E	None specified	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	A100/F330	33SQN OPS 07 5361 0033	RAAF CRU (Freq TBA) if R559 A/F active Brisbane (As assigned) if R559A/F Deactivated	NOTAM

AIRSPACE: 32 33.1 S 149 43.4 E (WMX200) to 31 38.3 S 150 29.1 E (WMX201) to 32 04.0 S 150 44.0 E (WMX202) to 33 07.4 S 150 51.3 E (WMX203) to 33 16.2 S 150 32.9 E (WMX204) to 32 33.1 S 149 43.4 E (WMX200)

REMARKS: Pattern exists within R559A (7500-FL260) and R559F (FL260-FL600). Pattern size: 40nm x 20nm.

NUMBER	ENTRY POINTS	RVIP	ANCHOR POINT/ IB COURSE/ PATTERN LENGTH	ANCHOR PATTERN	EXIT POINTS	CR PLAN	REFUELLING ALTITUDES	SCHEDULING UNIT	ASSIGNED CENTRE	TIMES OF OPERATION
WM17	None specified	None specified	31 54.4 S 150 05.1 E (WM17C) 316° 45nm	31 54.4 S 150 05.1 E 32 05.1 S 149 45.2 E 32 43.1 S 150 13.6 E 32 32.4 S 150 33.6 E	None specified	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	A110/F240	33SQN OPS 07 5361 0033	RAAF CRU (Freq TBA) if R559 A/B active Brisbane (As assigned) if R559A/B Deactivated	NOTAM

AIRSPACE: 31 51.0 S 149 30.4 E (WMX205) to 31 24.8 S 150 21.3 E (WMX206) to 32 04.0 S 150 44.0 E (WMX202) to 33 07.4 S 150 51.3 E (WMX203) to 33 16.2 S 150 32.9 E (WMX204) to 32 33.1 S 149 43.4 E (WMX200) to 31 51.0 S 149 30.4 E (WMX205)

REMARKS: Pattern exists within R559 A (7500-FL260) and R559B (10000 – FL260). Pattern size: 45nm x 20nm.

NUMBER	ENTRY POINTS	RVIP	ANCHOR POINT/ IB COURSE/ PATTERN LENGTH	ANCHOR PATTERN	EXIT POINTS	CR PLAN	REFUELLING ALTITUDES	SCHEDULING UNIT	ASSIGNED CENTRE	TIMES OF OPERATION
WM83	None specified	None specified	31 23.4 S 155 41.5 E (WM83C) 2° 70nm	31 23.4 S 155 41.5 E 32 31.0 S 155 19.6 E 32 25.6 S 154 56.8 E 31 18.0 S 155 19.0 E	None specified	N/A	FL260/FL320	2SQN	Brisbane	TBA

AIRSPACE: 31 10.2 S 155 51.8 E (WMX909) to 32 46.8 S 155 20.5 E (WMX910) to 32 38.4 S 154 45.2 E (WMX911) to 32 33.6 S 154 48.0 E (WMX912) to 31 01.7 S 155 18.2 E (WMX913) to 31 10.2 S 155 51.8 E (WMX909)

REMARKS: Pattern size: 70nm x 20nm. Airspace size: 100nm x 30nm.

NUMBER	ENTRY POINTS	RVIP	ANCHOR POINT/ IB COURSE/ PATTERN LENGTH	ANCHOR PATTERN	EXIT POINTS	CR PLAN	REFUELLING ALTITUDES	SCHEDULING UNIT	ASSIGNED CENTRE	TIMES OF OPERATION
WM84	None specified	None specified	32 46.2 S 155 13.6 E (WM84C) 12° 70nm	32 46.2 S 155 13.6 E 33 49.2 S 154 36.8 E 33 40.3 S 154 15.4 E 32 37.4 S 154 52.3 E	None specified	N/A	FL260/FL320	2SQN	Brisbane	TBA

AIRSPACE: 32 34.9 S 155 26.7 E (WMX914) to 34 04.9 S 154 34.2 E (WMX915) to 33 51.5 S 154 01.9 E (WMX916) to 32 38.4 S 154 45.2 E (WMX911) to 32 33.6 S 154 48.0 E (WMX912) to 32 20.7 S 154 52.3 E (WMX917) to 32 34.9 S 155 26.7 E (WMX914)

REMARKS: Pattern size: 70nm x 20nm. Airspace size: 100nm x 30nm.

NUMBER	ENTRY POINTS	RVIP	ANCHOR POINT/ IB COURSE/ PATTERN LENGTH	ANCHOR PATTERN	EXIT POINTS	CR PLAN	REFUELLING ALTITUDES	SCHEDULING UNIT	ASSIGNED CENTRE	TIMES OF OPERATION
WM85	None specified	None specified	31 02.0 S 150 02.5 E (WM85C) 234° 70nm	31 02.0 S 150 02.5 E 31 30.4 S 148 47.8 E 31 12.0 S 148 38.4 E 30 43.7 S 149 52.9 E	None specified	N/A	FL260/FL320	2SQN	Brisbane	TBA

AIRSPACE: 31 00.4 S 150 20.8 E (WMX918) to 31 41.1 S 148 34.1 E (WMX919) to 31 13.4 S 148 20.1 E (WMX920) to 30 33.0 S 150 06.4 E (WMX921) to 31 00.4 S 150 20.8 E (WMX918)

REMARKS: Pattern size: 70nm x 20nm. Airspace size: 100nm x 30nm.

NUMBER	ENTRY POINTS	RVIP	ANCHOR POINT/ IB COURSE/ PATTERN LENGTH	ANCHOR PATTERN	EXIT POINTS	CR PLAN	REFUELLING ALTITUDES	SCHEDULING UNIT	ASSIGNED CENTRE	TIMES OF OPERATION
WM86	None specified	None specified	32 00.6 S 155 34.7 E (WM86C) 003° 90nm	32 00.6 S 155 34.7 E 33 24.8 S 154 56.3 E 33 17.5 S 154 34.1 E 31 53.4 S 155 12.8 E	None specified	N/A	FL260/FL320	2SQN	Brisbane	TBA

AIRSPACE: 31 48.4 S 155 46.5 E (WMX922) to 33 40.6 S 154 55.4 E (WMX923) to 33 27.7 S 154 16.2 E (WMX924) to 32 33.6 S 154 48.0 E (WMX912) to 31 35.5 S 155 07.2 E (WMX925) to 31 48.4 S 155 46.5 E (WMX922)

REMARKS: Pattern size: 90nm x 20nm. Airspace size: 118nm x 33nm.

NUMBER	ENTRY POINTS	RVIP	ANCHOR POINT/ IB COURSE/ PATTERN LENGTH	ANCHOR PATTERN	EXIT POINTS	CR PLAN	REFUELLING ALTITUDES	SCHEDULING UNIT	ASSIGNED CENTRE	TIMES OF OPERATION
WM91	None specified	None specified	32 01.9 S 152 37.9 E (WM91C) 10° 47nm	32 01.9 S 152 37.9 E 31 18.6 S 152 59.6 E 31 13.5 S 152 45.6 E 31 56.7 S 152 23.9 E	None specified	N/A	FL260/FL340	2SQN	Brisbane	TBA
AIRSPACE: 32 04.0 S 152 17.0 E (WMX900) to 31 04.2 S 152 47.1 E (WMX901) to 31 11.2 S 153 06.4 E (WMX902) to 32 11.1 S 152 36.5 E (WMX903) to 32 04.0 S 152 17.0 E (WMX900)										
REMARKS: Pattern exists within R587A and R587B (FL125-FL600 NOTAM). Pattern size: 47nm x 13nm. Airspace size 65nm x 18nm										
WM92	None specified	None specified	30 56.7 S 155 02.0 E (WM92C) 98° 70nm	30 56.7 S 155 02.0 E 30 44.1 S 153 43.3 E 30 24.3 S 153 46.7 E 30 36.9 S 155 05.3 E	None specified	N/A	FL260/FL320	2SQN	Brisbane	TBA
AIRSPACE: 30 43.5 S 153 24.5 E (WMX904) to 30 18.9 S 153 29.5 E (WMX905) to 30 28.2 S 154 25.9 E (WMX906) to 30 38.4 S 155 31.4 E (WMX907) to 31 01.7 S 155 18.2 E (WMX908) to 30 43.5 S 153 24.5 E (WMX904)										
REMARKS: Pattern size: 70nm x 20nm. Airspace size: 100nm x 30nm.										

MILITARY AAR and AEW&C AIRSPACE ANCHOR WAYPOINTS

AMBERLEY

Waypoint	Latitude/Longitude
AMX100	26 15.7 S 153 29.9 E
AMX101	24 49.7 S 155 02.1 E
AMX102	25 39.5 S 155 54.0 E
AMX103	26 46.7 S 153 53.5 E
AMX104	27 46.5 S 154 44.5 E
AMX105	27 13.2 S 154 44.5 E
AMX106	26 33.4 S 155 46.9 E
AMX107	26 15.8 S 156 30.5 E
AMX108	27 16.6 S 157 31.1 E
AMX109	28 50.2 S 156 37.9 E
AMX110	28 52.2 S 153 49.7 E
AMX111	28 29.2 S 153 57.6 E
AMX112	28 33.8 S 154 09.3 E
AMX113	29 13.4 S 155 07.2 E
AMX114	30 28.2 S 154 25.9 E
AMX115	30 18.9 S 153 29.5 E
AMX116	29 39.4 S 153 37.6 E
AMX117	29 22.2 S 150 09.3 E
AMX118	28 10.0 S 149 48.0 E
AMX125	28 28.5 S 149 53.4 E
AMX126	28 08.5 S 151 03.6 E
AMX127	28 19.7 S 151 08.8 E
AMX128	28 35.5 S 151 20.6 E
AMX129	28 44.5 S 151 29.7 E

Waypoint	Latitude/Longitude
AMX130	26 57.6 S 149 44.1 E
AMX131	27 17.7 S 150 53.7 E
AMX132	27 28.5 S 150 53.1 E
AMX133	27 45.0 S 150 55.6 E
AMX134	28 01.1 S 151 00.2 E
AMX135	28 08.5 S 151 03.6 E
AMX136	28 28.5 S 149 53.4 E
AMX137	27 03.8 S 149 01.8 E
AMX138	26 57.6 S 149 44.1 E
AMX200	25 06.9 S 155 19.9 E
AMX201	24 49.7 S 155 02.1 E
AMX202	24 08.4 S 154 19.8 E
AMX203	23 45.9 S 154 47.5 E
AMX204	24 45.7 S 155 45.9 E
AMX205	27 16.6 S 157 31.1 E
AMX206	26 16.8 S 156 31.4 E
AMX207	25 56.2 S 156 56.5 E
AMX208	26 55.1 S 157 57.0 E
AMX209	29 51.7 S 156 35.7 E
AMX210	30 59.6 S 155 58.3 E
AMX211	30 46.5 S 155 26.9 E
AMX212	29 38.8 S 156 04.6 E
AMX213	27 35.2 S 149 07.4 E
AMX214	27 29.7 S 149 45.8 E

Waypoint	Latitude/Longitude
AMX215	28 49.0 S 149 59.4 E
AMX216	28 54.4 S 149 21.7 E
AMX900	24 45.7 S 155 45.9 E
AMX901	25 56.2 S 156 56.5 E
AMX902	26 16.8 S 156 31.4 E
AMX903	25 06.9 S 155 19.9 E
AMX905	29 28.1 S 149 27.9 E
AM11C	26 06.1 S 154 48.0 E
AM13C	27 06.9 S 155 54.3 E
AM15C	29 24.5 S 154 40.7 E
AM17C	28 52.3 S 150 12.9 E
AM19C	27 58.5 S 149 58.7 E
AM22C	24 51.2 S 155 14.4 E
AM24C	27 01.1 S 157 25.0 E
AM26C	30 03.2 S 156 23.1 E
AM28C	27 49.3 S 149 15.6 E
AM83C	25 00.2 S 155 52.9 E
AM84C	29 13.4 S 149 31.0 E

DARWIN

Waypoint	Latitude/Longitude
DNX900	09 32.5 S 132 06.2 E
DNX901	10 31.3 S 133 27.9 E
DNX902	11 04.6 S 133 03.5 E
DNX903	10 02.9 S 131 43.9 E
DNX904	14 16.0 S 127 56.9 E
DNX905	13 50.4 S 128 23.3 E
DNX906	14 59.2 S 129 38.6 E
DNX907	15 27.3 S 129 09.9 E

Waypoint	Latitude/Longitude
DNX908	11 54.7 S 127 25.8 E
DNX909	11 51.3 S 128 04.3 E
DNX910	13 31.6 S 128 13.9 E
DNX911	13 35.0 S 127 34.7 E

Waypoint	Latitude/Longitude
DN81C	09 45.4 S 132 15.5 E
DN82C	14 23.2 S 128 11.5 E
DN83C	12 09.3 S 127 32.2 E

EAXA

Waypoint	Latitude/Longitude
NWX900	36 02.2 S 153 34.2 E
NWX901	37 13.2 S 152 06.5 E
NWX902	36 46.3 S 151 33.3 E
NWX903	35 29.1 S 152 53.1 E

Waypoint	Latitude/Longitude
NWX904	35 17.0 S 150 34.2 E
NWX905	36 56.7 S 150 45.0 E
NWX906	36 59.3 S 150 07.6 E
NWX907	35 19.5 S 149 57.5 E

Waypoint	Latitude/Longitude
NW81C	36 09.4 S 153 16.9 E
NW82C	35 32.4 S 150 29.5 E

TINDAL

Waypoint	Latitude/Longitude
TNX101	14 00.0 S 130 22.4 E
TNX102	13 25.4 S 130 35.7 E
TNX103	13 21.6 S 131 22.9 E
TNX104	14 00.0 S 131 49.7 E
TNX900	14 42.5 S 135 35.9 E
TNX901	16 17.6 S 135 01.7 E
TNX902	16 05.0 S 134 24.2 E
TNX903	14 30.0 S 134 57.3 E

Waypoint	Latitude/Longitude
TNX904	16 24.3 S 129 47.9 E
TNX905	15 53.7 S 130 12.8 E
TNX906	16 54.9 S 131 35.7 E
TNX907	17 26.4 S 131 10.2 E
TNX908	13 12.9 S 130 04.9 E
TNX909	13 23.4 S 130 33.7 E
TNX910	14 57.5 S 129 57.5 E
TNX911	14 46.9 S 129 28.6 E

Waypoint	Latitude/Longitude
TN11C	14 15.5 S 132 19.0 E
TN12C	13 35.7 S 130 45.4 E
TN81C	14 55.2 S 135 25.9 E
TN82C	16 29.7 S 130 03.3 E
TN83C	13 28.7 S 130 04.3 E

TOWNSVILLE

Waypoint	Latitude/Longitude
TLX100	20 11.9 S 144 53.7 E
TLX101	19 26.7 S 144 39.3 E
TLX102	19 21.9 S 145 31.9 E
TLX103	19 19.0 S 146 01.7 E
TLX104	19 35.0 S 146 04.5 E
TLX105	19 45.1 S 146 12.6 E
TLX106	19 52.0 S 146 37.0 E
TLX107	20 01.2 S 145 50.0 E

Waypoint	Latitude/Longitude
TLX108	18 14.5 S 144 56.2 E
TLX109	18 18.2 S 145 12.4 E
TLX110	18 38.6 S 145 42.1 E
TLX111	19 06.0 S 146 10.0 E
TLX900	20 02.0 S 144 09.5 E
TLX901	18 21.5 S 144 02.7 E
TLX902	18 17.9 S 144 54.0 E
TLX903	19 59.5 S 144 47.5 E

Waypoint	Latitude/Longitude
TL11C	19 36.2 S 145 05.4 E
TL12C	18 34.1 S 145 12.1 E
TL81C	19 46.5 S 144 13.7 E

WILLIAMTOWN

Waypoint	Latitude/Longitude
WMX100	32 02.5 S 152 47.8 E
WMX101	30 46.4 S 153 26.2 E
WMX102	31 03.7 S 155 14.6 E
WMX103	31 34.9 S 155 04.4 E
WMX104	31 54.2 S 154 02.4 E
WMX105	32 15.9 S 152 49.9 E
WMX106	30 55.2 S 154 20.2 E
WMX107	32 40.3 S 152 18.3 E
WMX108	32 34.6 S 152 15.1 E
WMX109	32 42.0 S 153 47.7 E
WMX110	32 50.0 S 152 55.2 E
WMX111	32 48.9 S 152 19.6 E
WMX112	32 57.4 S 152 17.4 E
WMX113	33 17.7 S 153 32.3 E
WMX114	33 21.2 S 152 42.1 E
WMX115	33 03.1 S 152 13.6 E
WMX116	33 49.0 S 152 40.3 E
WMX117	33 14.0 S 154 21.0 E
WMX118	33 49.0 S 154 00.1 E

Waypoint	Latitude/Longitude
WMX200	32 33.1 S 149 43.4 E
WMX201	31 38.3 S 150 29.1 E
WMX202	32 04.0 S 150 44.0 E
WMX203	33 07.4 S 150 51.3 E
WMX204	33 16.2 S 150 32.9 E
WMX205	31 51.0 S 149 30.4 E
WMX206	31 24.8 S 150 21.3 E
WMX900	32 04.0 S 152 17.0 E
WMX901	31 04.2 S 152 47.1 E
WMX902	31 11.2 S 153 06.4 E
WMX903	32 11.1 S 152 36.5 E
WMX904	30 43.5 S 153 24.5 E
WMX905	30 18.9 S 153 29.5 E
WMX906	30 28.2 S 154 25.9 E
WMX907	30 38.4 S 155 31.4 E
WMX908	31 01.7 S 155 18.2 E
WMX909	31 10.2 S 155 51.8 E
WMX910	32 46.8 S 155 20.5 E
WMX911	32 38.4 S 154 45.2 E
WMX912	32 33.6 S 154 48.0 E
WMX913	31 01.7 S 155 18.2 E
WMX914	32 34.9 S 155 26.7 E
WMX915	34 04.9 S 154 34.2 E
WMX916	33 51.5 S 154 01.9 E

Waypoint	Latitude/Longitude
WMX917	32 20.7 S 154 52.3 E
WMX918	31 00.4 S 150 20.8 E
WMX919	31 41.1 S 148 34.1 E
WMX920	31 13.4 S 148 20.1 E
WMX921	30 33.0 S 150 06.4 E
WMX922	31 48.4 S 155 46.5 E
WMX923	33 40.6 S 154 55.4 E
WMX924	33 27.7 S 154 16.2 E
WMX925	31 35.5 S 155 07.2 E
WM11C	30 55.7 S 153 51.4 E
WM12C	31 46.5 S 153 01.5 E
WM13C	32 26.1 S 152 51.4 E
WM14C	32 55.5 S 152 42.4 E
WM15C	33 30.5 S 153 04.0 E
WM16C	32 09.8 S 150 36.1 E
WM17C	31 54.4 S 150 05.1 E
WM91C	32 01.9 S 152 37.9 E
WM92C	30 56.7 S 155 02.0 E
WM83C	31 23.4 S 155 41.5 E
WM84C	32 46.2 S 155 13.6 E
WM85C	31 02.0 S 150 02.5 E
WM86C	32 00.6 S 155 34.7 E

REFUELLING TRACKS

NUMBER	RVIP	RVCP	NAVIGATION CHECK POINTS	EXIT	CR PLAN	REFUELLING ALTITUDES	SCHEDULING UNIT	ASSIGNED CENTRE
W946 (North)	WLG 30 01.7S 148 07.7E	CARBN 29 06.8S 146 58.7E	CMU 28 02.3S 145 37.4E EXXON 25 46.6S 143 39.1E VALDZ 23 27.0S 141 41.8E MA 20 39.9S 139 29.1E TEXAN 19 00.7S 137 29.4E PETRL 17 11.7S 135 22.1E	BARON 16 14.9S 134 15.6E	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	FL250/FL300	33SQN OPS 07 5361 0033	Brisbane (Freq as assigned)
REMARKS: Simultaneous Opposite Direction Refuelling operations are authorised on W946.								
W946 (South)	BARON 16 14.9S 134 15.6E	PETRL 17 11.7S 135 22.1E	TEXAN 19 00.7S 137 29.4E MA 20 39.9S 139 29.1E VALDZ 23 27.0S 141 41.8E EXXON 25 46.6S 143 39.1E CMU 28 02.3S 145 37.4E CARBN 29 06.8S 146 58.7E	WLG 30 01.7S 148 07.7E	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	FL250/FL300	33SQN OPS 07 5361 0033	Brisbane (Freq as assigned)
REMARKS: Simultaneous Opposite Direction Refuelling operations are authorised on W946.								

NUMBER	RVIP	RVCP	NAVIGATION CHECK POINTS	EXIT	CR PLAN	REFUELLING ALTITUDES	SCHEDULING UNIT	ASSIGNED CENTRE
W951 (West)	ROM 26 32.6S 148 46.9E	DINOS 25 59.0S 147 23.2E	ETHER 24 44.3S 144 33.6E	VALDZ 23 27.0S 141 41.8E	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	FL250/FL300	33SQN OPS 07 5361 0033	Brisbane (Freq as assigned)
REMARKS: Simultaneous Opposite Direction Refuelling operations are authorised on W951. Track refuelling may continue on W946 if required								
W951 (East)	VALDZ 23 27.0S 141 41.8E	ETHER 24 44.3S 144 33.6E	DINOS 23 27.0S 141 41.8E	ROM 26 32.6S 148 46.9E	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	FL250/FL300	33SQN OPS 07 5361 0033	Brisbane (Freq as assigned)
REMARKS: Simultaneous Opposite Direction Refuelling operations are authorised on W951.								
W952 (North)	AMOCO 24 00.0S 152 12.5E	KELPI 22 34.2S 151 35.2E	BOOMA 20 00.0S 150 41.2E LAMEK 18 09.3S 150 02.6E	CALTX 17 00.0S 149 39.4E	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	FL250/FL300	33SQN OPS 07 5361 0033	Brisbane (Freq as assigned)
REMARKS: Track runs parallel to W953.								
W952 (South)	CALTX 17 00.0S 149 39.4E	LAMEK 18 09.3S 150 02.6E	BOOMA 20 00.0S 150 41.2E KELPI 22 34.2S 151 35.2E	AMOCO 24 00.0S 152 12.5E	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	FL250/FL300	33SQN OPS 07 5361 0033	Brisbane (Freq as assigned)
REMARKS: Track runs parallel to W953.								

NUMBER	RVIP	RVCP	NAVIGATION CHECK POINTS	EXIT	CR PLAN	REFUELLING ALTITUDES	SCHEDULING UNIT	ASSIGNED CENTRE
W953 (South)	MOBIL 17 00.0S 150 17.9E	OILER 18 09.3S 150 42.1E	GASSO 20 00.0S 151 20.4E LITER 22 34.2S 152 14.8E	HALON 24 00.0S 152 52.3E	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	FL250/FL300	33SQN OPS 07 5361 0033	Brisbane (Freq as assigned)
REMARKS: Track runs parallel to W952.								
W953 (North)	HALON 24 00.0S 152 52.3E	LITER 22 34.2S 152 14.8E	GASSO 20 00.0S 151 20.4E OILER 18 09.3S 150 42.1E	MOBIL 17 00.0S 150 17.9E	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	FL250/FL300	33SQN OPS 07 5361 0033	Brisbane (Freq as assigned)
REMARKS: Track runs parallel to W952.								
W954 (East)	CFS 30 19.2S 153 07.0E	GALON 30 38.1S 154 32.0E	POSUM 31 05.9S 156 47.0E LHI 31 31.3S 159 03.9E	OCTAN 31 44.0S 160 14.5E	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	FL250/FL300	33SQN OPS 07 5361 0033	Brisbane (Freq as assigned)
REMARKS: Simultaneous Opposite Direction Refuelling operations are authorised on W954.								
W954 (West)	OCTAN 31 44.0S 160 14.5E	LHI 31 31.3S 159 03.9E	POSUM 31 05.9S 156 47.0E GALON 30 38.1S 154 32.0E	CFS 30 19.2S 153 07.0E	a. 301.500 b. TBA c. reserved d. reserved e. 33/96	FL250/FL300	33SQN OPS 07 5361 0033	Brisbane (Freq as assigned)
REMARKS: Simultaneous Opposite Direction Refuelling operations are authorised on W954.								

MILITARY AAR TRACK WAYPOINTS

W946			
WAYPOINT	LAT / LONG	TR OUT (ºM)	DIST (nm)
WLG	30 01.7S 148 07.7E	302	
CARBN	29 06.8S 146 58.7E	302	81
CMU	28 02.3S 145 37.4E	312	96
EXXON	25 46.6S 143 39.1E	314	172
VALDZ	23 27.0S 141 41.8E	316	175
MA	20 39.9S 139 29.1E	305	207
TEXAN	19 00.7S 137 29.4E	306	150
PETRL	17 11.7S 135 22.1E	306	163
BARON	16 14.9S 134 15.6E	309	85
TN	14 31.2S 132 22.3E		151

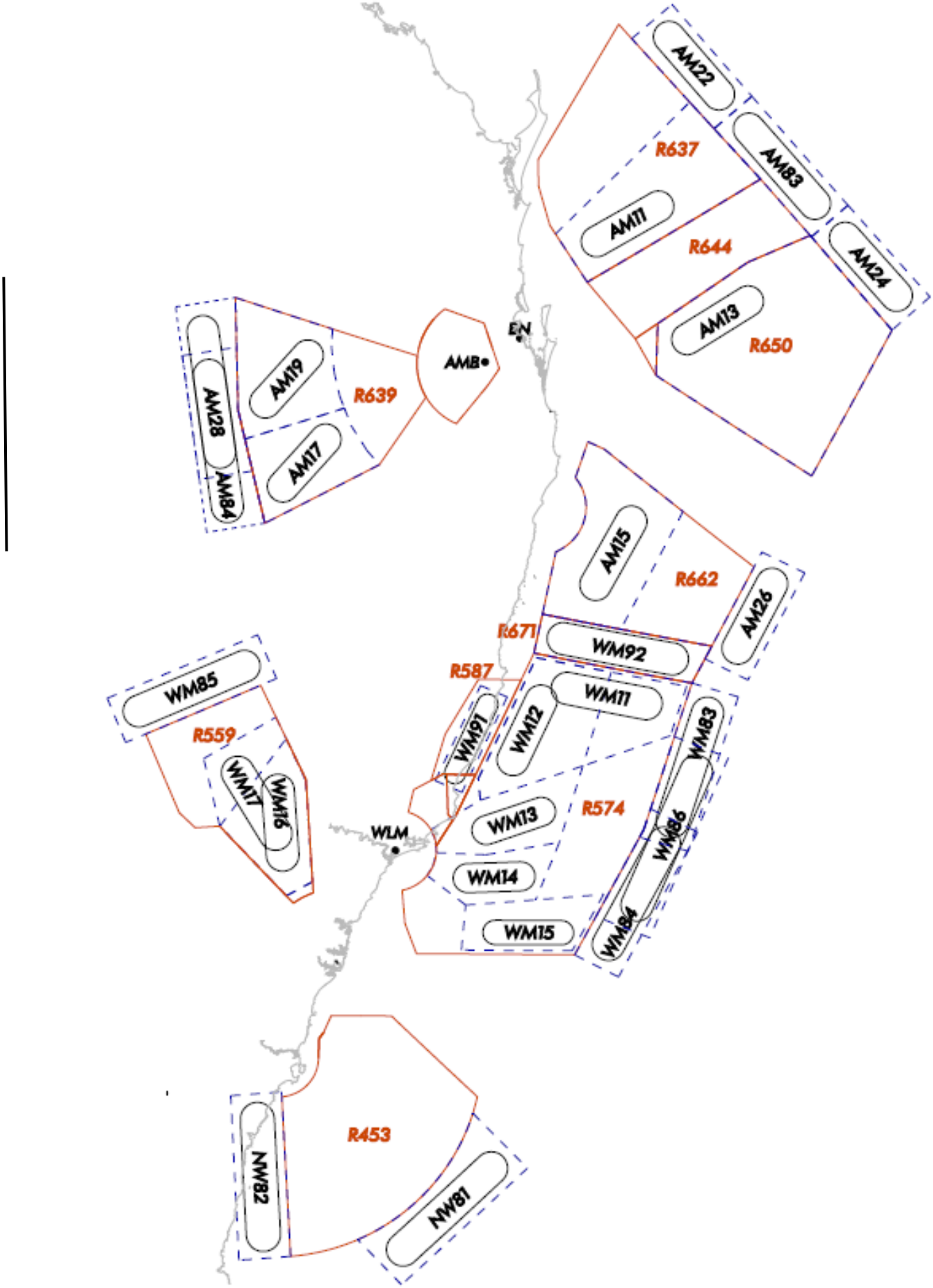
W951			
ROM	26 32.6S 148 46.9E	284	
DINOS	25 59.0S 147 23.2E	286	82
ETHER	24 44.3S 144 33.6E	287	171
VALDZ	23 27.0S 141 41.8E		175

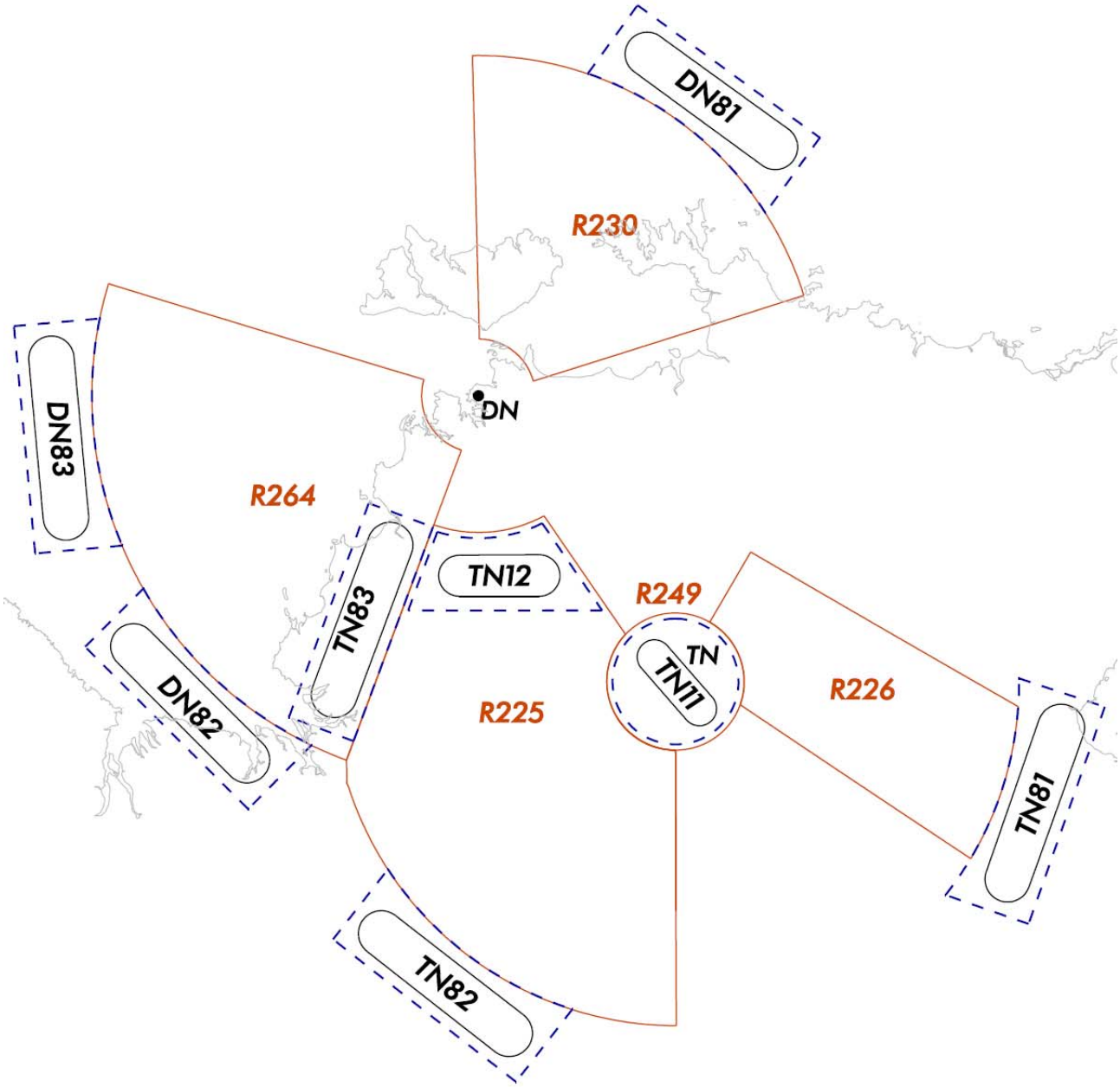
W952			
WAYPOINT	LAT / LONG	TR OUT (ºM)	DIST (nm)
AMOCO	24 00.0S 152 12.5E	328	
KELPI	22 34.2S 151 35.2E	332	92
BOOMA	20 00.0S 150 41.2E	333	162
LAMEK	18 09.3S 150 02.6E	334	116
CALTX	17 00.0S 149 39.4E		72

W953			
MOBIL	17 00.0S 150 17.9E	153	
OILER	18 09.3S 150 42.1E	153	72
GASSO	20 00.0S 151 20.4E	153	116
LITER	22 34.2S 152 14.8E	148	162
HALON	24 00.0S 152 52.3E		92

W954			
CFS	30 19.2S 153 07.0E	093	
GALON	30 38.1S 154 32.0E	091	76
POSUM	31 05.9S 156 47.0E	090	119
LHI	31 31.3S 159 03.9E	088	120
OCTAN	31 44.0S 160 14.5E		61

MILITARY AAR and AEW&C PATTERNS

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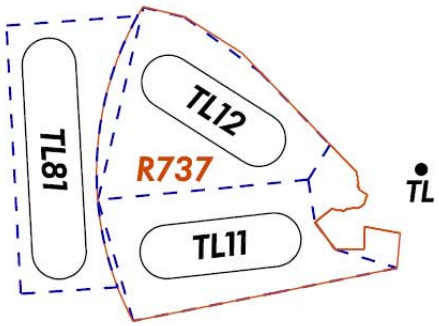
R264
TN12
TN83
R249
TN
TN11
DN82
R225
R226
TN81
TN82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TL81
R737
TL
TL11