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| WORLD METEOROLOGICAL ORGANIZATIONCOMMISSION FOR BASIC SYSTEMS-----------------------------FIRST MEETING OFINTER-PROGRAMME EXPERT TEAM ONCODES MAINTENANCEGENEVA, SWITZERLAND, 24 - 28 JULY 2017 |  | IPET-CM-I / Doc. 8.2.5(1) rev(17. 7. 2017)-------------------------ITEM 8.2ENGLISH ONLY |

Status of migration in RA V

**TDCF Migration for Hi-Res Radiosonde and Hourly SYNOP data from Australia**

*Submitted by* *Yang Wang (Australia)*

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**Summary and Purpose of Document**

This document summarizes the progress of TDCF migration for high-resolution radiosonde and hourly SYNOP data at Australian Bureau of Meteorology.

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**ACTION PROPOSED**

The meeting is invited to take note of the contents for possible further discussion.

**DISCUSSIONS**

**High Resolution Upper-air Radiosonde Data (In Production)**

* The Bureau began to generate high-resolution upper-air radiosonde data from 2015-10-28. A list of Bulletin headers is available in Appendix.
* The encoding is largely “WMO BUFR template for P, T, U and wind vertical profiles suitable for TEMP, TEMP SHIP and TEMP MOBIL observation data” (TM 309052) plus following trailing descriptors:
	+ 001081, 001082, 002067, 002095, 002096, 002097, 002017, 002191, 025061, 205060
* TAC data (TEMP/PILOT) are still being issued. However, the previous conversion from TAC to BUFR has been terminated after distribution of the high-res data. Headers of the ceased bulletins are listed in the Appendix.

**Hourly SYNOP Data (In Pipeline)**

Bureau’s surface observations are made at one-minute interval across the observation network. They are processed to generate WMO TAC format reports every 3 hours. The previous TDCF migration is to convert the existing TAC format reports to BUFR. These BUFR messages are currently in global exchange. However, the TAC reports do not utilise the source information efficiently. Hence, the BUFR messages are not adding more information that the format was designed to offer.

The currently proposed migration at Bureau is to create hourly BUFR SYNOP reports directly from the source data using WMO “BUFR Template for Representation of SYNOP data with Supplementary Information on One-hour Observations” (TM 307096):

* On each UTC hour, BUFR reports are produced for all stations.
* Every 3 hours on UTC half hour, extra BUFR reports are produced for 96 stations in Southern Australia, Northern Territory, Cocos Island and Lord Howe Island. These reports are always generated every 3 hours starting from 00 Local Time.

A list of stations that produce hourly BUFR SYNOP is available in the Appendix.

**APPENDIX**

**1. List of Hi-Res Upper-air Radiosonde BUFR Bulletins**

|  |  |
| --- | --- |
| **STN\_NUM** | **TTAAii CCCC** |
| 94802 | IUKK09 AMMC |
| 94802 | IUSK09 AMMC |
| 94203 | IUKK10 AMMC |
| 94203 | IUSK10 AMMC |
| 96996 | IUKK19 AMMC |
| 96996 | IUSK19 AMMC |
| 94638 | IUKK60 AMMC |
| 94638 | IUSK60 AMMC |
| 94403 | IUKK61 AMMC |
| 94403 | IUSK61 AMMC |
| 94212 | IUKK62 AMMC |
| 94212 | IUSK62 AMMC |
| 94637 | IUKK63 AMMC |
| 94637 | IUSK63 AMMC |
| 94430 | IUKK65 AMMC |
| 94430 | IUSK65 AMMC |
| 94312 | IUKK67 AMMC |
| 94312 | IUSK67 AMMC |
| 94326 | IUKK68 AMMC |
| 94326 | IUSK68 AMMC |
| 94150 | IUKK70 AMMC |
| 94150 | IUSK70 AMMC |
| 94672 | IUKK71 AMMC |
| 94672 | IUSK71 AMMC |
| 94653 | IUKK72 AMMC |
| 94653 | IUSK72 AMMC |
| 94461 | IUKK73 AMMC |
| 94461 | IUSK73 AMMC |
| 94821 | IUKK74 AMMC |
| 94821 | IUSK74 AMMC |
| 94659 | IUKK75 AMMC |
| 94659 | IUSK75 AMMC |
| 94578 | IUKK76 AMMC |
| 94578 | IUSK76 AMMC |
| 94510 | IUKK78 AMMC |
| 94510 | IUSK78 AMMC |
| 94346 | IUKK79 AMMC |
| 94346 | IUSK79 AMMC |
| 94367 | IUKK80 AMMC |
| 94367 | IUSK80 AMMC |
| 94332 | IUKK81 AMMC |
| 94332 | IUSK81 AMMC |
| 94374 | IUKK82 AMMC |
| 94374 | IUSK82 AMMC |
| 94294 | IUKK83 AMMC |
| 94294 | IUSK83 AMMC |
| 94170 | IUKK84 AMMC |
| 94170 | IUSK84 AMMC |
| 94229 | IUKK85 AMMC |
| 94229 | IUSK85 AMMC |
| 94711 | IUKK86 AMMC |
| 94711 | IUSK86 AMMC |
| 94995 | IUKK88 AMMC |
| 94995 | IUSK88 AMMC |
| 95527 | IUKK89 AMMC |
| 95527 | IUSK89 AMMC |
| 94996 | IUKK90 AMMC |
| 94996 | IUSK90 AMMC |
| 94767 | IUKK91 AMMC |
| 94767 | IUSK91 AMMC |
| 94910 | IUKK92 AMMC |
| 94910 | IUSK92 AMMC |
| 94776 | IUKK93 AMMC |
| 94776 | IUSK93 AMMC |
| 94866 | IUKK94 AMMC |
| 94866 | IUSK94 AMMC |
| 89611 | IUKK95 AMMC |
| 89611 | IUSK95 AMMC |
| 94998 | IUKK98 AMMC |
| 94998 | IUSK98 AMMC |
| 89564 | IUKK99 AMMC |
| 89564 | IUSK99 AMMC |

**2. List of ceased low-res BUFR Bulletins (converted from TAC)**

|  |
| --- |
| **TTAAii CCCC** |
| IUJG01 AMMC |
| IUJG02 AMMC |
| IUJG11 AMMC |
| IUJG12 AMMC |
| IUJK01 AMMC |
| IUJK02 AMMC |
| IUJK03 AMMC |
| IUJK04 AMMC |
| IUJK05 AMMC |
| IUJK06 AMMC |
| IUJK07 AMMC |
| IUJK11 AMMC |
| IUJK12 AMMC |
| IUJK13 AMMC |
| IUJK14 AMMC |
| IUJK15 AMMC |
| IUJK16 AMMC |
| IUKG01 AMMC |
| IUKG02 AMMC |
| IUKG03 AMMC |
| IUKG11 AMMC |
| IUKG12 AMMC |
| IUKG13 AMMC |
| IUKK01 AMMC |
| IUKK02 AMMC |
| IUKK03 AMMC |
| IUKK04 AMMC |
| IUKK05 AMMC |
| IUKK06 AMMC |
| IUKK07 AMMC |
| IUKK08 AMMC |
| IUKK11 AMMC |
| IUKK12 AMMC |
| IUKK13 AMMC |
| IUKK14 AMMC |
| IUKK15 AMMC |
| IUKK16 AMMC |
| IUKK17 AMMC |
| IUKK18 AMMC |
| IUSK01 AMMC |
| IUSK02 AMMC |
| IUSK03 AMMC |
| IUSK04 AMMC |
| IUSK05 AMMC |
| IUSK06 AMMC |
| IUSK07 AMMC |
| IUSK08 AMMC |
| IUSK11 AMMC |
| IUSK12 AMMC |
| IUSK13 AMMC |
| IUSK14 AMMC |
| IUSK15 AMMC |
| IUSK16 AMMC |
| IUSK17 AMMC |
| IUSK18 AMMC |
| IUWG01 AMMC |
| IUWG02 AMMC |
| IUWG11 AMMC |
| IUWG12 AMMC |
| IUWK01 AMMC |
| IUWK02 AMMC |
| IUWK03 AMMC |
| IUWK04 AMMC |
| IUWK05 AMMC |
| IUWK06 AMMC |
| IUWK07 AMMC |
| IUWK11 AMMC |
| IUWK12 AMMC |
| IUWK13 AMMC |
| IUWK14 AMMC |
| IUWK15 AMMC |
| IUWK16 AMMC |
| IUWK17 AMMC |

**3. List of stations for producing BUFR SYNOP reports**

|  |  |  |
| --- | --- | --- |
| **BoM****STN\_NUM** | **NAME** | **REGION** |
| 72,160 | ALBURY AIRPORT AWS | NSW |
| 56,238 | ARMIDALE AIRPORT AWS | NSW |
| 67,108 | BADGERYS CREEK AWS | NSW |
| 58,198 | BALLINA AIRPORT AWS | NSW |
| 66,137 | BANKSTOWN AIRPORT AWS | NSW |
| 63,291 | BATHURST AIRPORT AWS | NSW |
| 69,139 | BEGA AWS | NSW |
| 68,228 | BELLAMBI AWS | NSW |
| 70,328 | BOMBALA AWS | NSW |
| 48,245 | BOURKE AIRPORT AWS | NSW |
| 69,132 | BRAIDWOOD RACECOURSE AWS | NSW |
| 51,162 | BREWON AWS | NSW |
| 47,048 | BROKEN HILL AIRPORT AWS | NSW |
| 72,161 | CABRAMURRA SMHEA AWS | NSW |
| 68,192 | CAMDEN AIRPORT AWS | NSW |
| 68,257 | CAMPBELLTOWN (MOUNT ANNAN) | NSW |
| 70,351 | CANBERRA AIRPORT | NSW |
| 66,194 | CANTERBURY RACECOURSE AWS | NSW |
| 58,216 | CAPE BYRON AWS | NSW |
| 58,208 | CASINO AIRPORT AWS | NSW |
| 61,260 | CESSNOCK AIRPORT AWS | NSW |
| 48,237 | COBAR AIRPORT AWS | NSW |
| 48,027 | COBAR MO | NSW |
| 59,151 | COFFS HARBOUR AIRPORT | NSW |
| 50,137 | CONDOBOLIN AIRPORT AWS | NSW |
| 70,217 | COOMA AIRPORT AWS | NSW |
| 64,017 | COONABARABRAN AIRPORT AWS | NSW |
| 51,161 | COONAMBLE AIRPORT AWS | NSW |
| 65,111 | COWRA AIRPORT AWS | NSW |
| 74,258 | DENILIQUIN AIRPORT AWS | NSW |
| 65,070 | DUBBO AIRPORT AWS | NSW |
| 58,212 | EVANS HEAD RAAF BOMBING RANGE AWS | NSW |
| 65,103 | FORBES AIRPORT AWS | NSW |
| 66,022 | FORT DENISON | NSW |
| 46,128 | FOWLERS GAP AWS | NSW |
| 51,164 | GIRILAMBONE (OKEH) | NSW |
| 56,243 | GLEN INNES AIRPORT AWS | NSW |
| 61,425 | GOSFORD AWS | NSW |
| 70,330 | GOULBURN AIRPORT AWS | NSW |
| 58,161 | GRAFTON AIRPORT AWS | NSW |
| 58,077 | GRAFTON RESEARCH STN | NSW |
| 69,137 | GREEN CAPE AWS | NSW |
| 75,041 | GRIFFITH AIRPORT AWS | NSW |
| 55,202 | GUNNEDAH AIRPORT AWS | NSW |
| 75,019 | HAY AIRPORT AWS | NSW |
| 68,262 | HIGH RANGE AWS (WANGANDERRY) | NSW |
| 66,161 | HOLSWORTHY AERODROME AWS | NSW |
| 67,119 | HORSLEY PARK EQUESTRIAN CENTRE AWS | NSW |
| 49,000 | IVANHOE AERODROME AWS | NSW |
| 59,007 | KEMPSEY AIRPORT AWS | NSW |
| 72,162 | KHANCOBAN AWS | NSW |
| 68,242 | KIAMA (BOMBO HEADLAND) | NSW |
| 66,043 | KURNELL AWS | NSW |
| 61,412 | LAKE MACQUARIE AWS | NSW |
| 58,214 | LISMORE AIRPORT AWS | NSW |
| 66,051 | LITTLE BAY (THE COAST GOLF CLUB) | NSW |
| 200,715 | LORD HOWE ISLAND WINDY POINT | NSW |
| 61,428 | MAITLAND AIRPORT AWS | NSW |
| 61,375 | MANGROVE MOUNTAIN AWS | NSW |
| 69,147 | MERIMBULA AIRPORT AWS | NSW |
| 61,287 | MERRIWA (ROSCOMMON) | NSW |
| 66,100 | MOLINEUX POINT AWS | NSW |
| 69,017 | MONTAGUE ISLAND LIGHTHOUSE | NSW |
| 53,115 | MOREE AERO | NSW |
| 69,148 | MORUYA AIRPORT AWS | NSW |
| 68,239 | MOSS VALE AWS | NSW |
| 63,292 | MOUNT BOYCE AWS | NSW |
| 70,349 | MOUNT GININI AWS | NSW |
| 62,101 | MUDGEE AIRPORT AWS | NSW |
| 61,392 | MURRURUNDI GAP AWS | NSW |
| 54,038 | NARRABRI AIRPORT AWS | NSW |
| 74,148 | NARRANDERA AIRPORT AWS | NSW |
| 69,128 | NERRIGA AWS | NSW |
| 61,055 | NEWCASTLE NOBBYS SIGNAL STATION AWS | NSW |
| 61,366 | NORAH HEAD AWS | NSW |
| 200,288 | NORFOLK ISLAND AERO | NSW |
| 66,197 | NORTH HEAD | NSW |
| 68,072 | NOWRA RAN AIR STATION AWS | NSW |
| 62,100 | NULLO MOUNTAIN AWS | NSW |
| 63,303 | ORANGE AIRPORT AWS | NSW |
| 65,068 | PARKES AIRPORT AWS | NSW |
| 67,113 | PENRITH LAKES AWS | NSW |
| 71,075 | PERISHER VALLEY AWS | NSW |
| 68,151 | POINT PERPENDICULAR AWS | NSW |
| 60,139 | PORT MACQUARIE AIRPORT AWS | NSW |
| 67,105 | RICHMOND RAAF | NSW |
| 61,363 | SCONE AIRPORT AWS | NSW |
| 61,430 | SINGLETON (DEFENCE) | NSW |
| 66,062 | SYDNEY (OBSERVATORY HILL) | NSW |
| 66,037 | SYDNEY AIRPORT AMO | NSW |
| 66,212 | SYDNEY OLYMPIC PARK AWS (ARCHERY CENTRE) | NSW |
| 55,325 | TAMWORTH AIRPORT AWS | NSW |
| 60,141 | TAREE AIRPORT AWS | NSW |
| 73,151 | TEMORA AIRPORT | NSW |
| 66,059 | TERREY HILLS AWS | NSW |
| 71,032 | THREDBO AWS | NSW |
| 46,126 | TIBOOBURRA AIRPORT | NSW |
| 51,049 | TRANGIE RESEARCH STATION AWS | NSW |
| 70,339 | TUGGERANONG (ISABELLA PLAINS) AWS | NSW |
| 69,138 | ULLADULLA AWS | NSW |
| 72,150 | WAGGA WAGGA AMO | NSW |
| 52,088 | WALGETT AIRPORT AWS | NSW |
| 66,208 | WATTAMOLLA AWS | NSW |
| 66,196 | WEDDING CAKE WEST | NSW |
| 50,017 | WEST WYALONG AIRPORT AWS | NSW |
| 567,100 | WESTMEAD HOSPITAL | NSW |
| 46,129 | WHITE CLIFFS AWS | NSW |
| 46,012 | WILCANNIA AERODROME AWS | NSW |
| 61,078 | WILLIAMTOWN RAAF | NSW |
| 68,241 | WOLLONGONG AIRPORT | NSW |
| 58,012 | YAMBA PILOT STATION | NSW |
| 74,037 | YANCO AGRICULTURAL INSTITUTE | NSW |
| 73,138 | YOUNG AIRPORT | NSW |
| 15,590 | ALICE SPRINGS AIRPORT | NT |
| 14,272 | BATCHELOR AIRPORT | NT |
| 14,723 | BORROLOOLA AIRPORT | NT |
| 14,627 | BULMAN | NT |
| 200,786 | CAPE WESSEL | NT |
| 14,909 | CENTRAL ARNHEM PLATEAU | NT |
| 14,703 | CENTRE ISLAND | NT |
| 14,031 | CHARLES POINT | NT |
| 14,308 | CROKER ISLAND AIRPORT | NT |
| 14,626 | DALY WATERS AIRSTRIP | NT |
| 14,015 | DARWIN AIRPORT | NT |
| 14,901 | DOUGLAS RIVER | NT |
| 14,277 | DUM IN MIRRIE AIRSTRIP | NT |
| 14,508 | GOVE AIRPORT | NT |
| 14,518 | GROOTE EYLANDT AIRPORT | NT |
| 14,023 | GUNN POINT | NT |
| 14,198 | JABIRU AIRPORT | NT |
| 14,829 | LAJAMANU AIRPORT | NT |
| 14,405 | MANINGRIDA AIRPORT | NT |
| 14,704 | MCARTHUR RIVER MINE AIRPORT | NT |
| 14,041 | MIDDLE POINT | NT |
| 14,309 | MURGANELLA AIRSTRIP | NT |
| 14,517 | NGAYAWILI | NT |
| 14,299 | NGUKURR AIRPORT | NT |
| 14,314 | NOONAMAH AIRSTRIP | NT |
| 14,310 | OENPELLI AIRPORT | NT |
| 14,142 | PIRLANGIMPI AIRPORT | NT |
| 14,948 | PORT KEATS AIRPORT | NT |
| 15,135 | TENNANT CREEK AIRPORT | NT |
| 15,643 | TERRITORY GRAPE FARM | NT |
| 14,932 | TINDAL RAAF | NT |
| 1,007 | TROUGHTON ISLAND | NT |
| 1,020 | TRUSCOTT | NT |
| 14,401 | WARRUWI AIRPORT | NT |
| 15,635 | YULARA AIRPORT | NT |
| 33,295 | ALVA BEACH | QLD |
| 40,004 | AMBERLEY AMO | QLD |
| 41,175 | APPLETHORPE | QLD |
| 40,211 | ARCHERFIELD AIRPORT | QLD |
| 200,879 | ARLINGTON REEF | QLD |
| 45,009 | BALLERA GAS FIELD | QLD |
| 40,925 | BANANA BANK NORTH BEACON | QLD |
| 40,983 | BEAUDESERT DRUMLEY STREET | QLD |
| 38,026 | BIRDSVILLE AIRPORT | QLD |
| 36,034 | BLACKALL AIRPORT | QLD |
| 35,134 | BLACKWATER AIRPORT | QLD |
| 33,327 | BOWEN AIRPORT AWS | QLD |
| 40,913 | BRISBANE | QLD |
| 40,842 | BRISBANE AERO | QLD |
| 39,128 | BUNDABERG AERO | QLD |
| 31,011 | CAIRNS AERO | QLD |
| 31,222 | CAIRNS RACECOURSE | QLD |
| 37,010 | CAMOOWEAL TOWNSHIP | QLD |
| 31,213 | CAPE FLATTERY | QLD |
| 40,043 | CAPE MORETON LIGHTHOUSE | QLD |
| 37,053 | CARTERS BORE | QLD |
| 29,167 | CENTURY MINE | QLD |
| 44,021 | CHARLEVILLE AERO | QLD |
| 35,124 | CLERMONT AIRPORT | QLD |
| 29,141 | CLONCURRY AIRPORT | QLD |
| 27,054 | COCONUT ISLAND | QLD |
| 40,717 | COOLANGATTA | QLD |
| 32,194 | COWLEY BEACH (DEFENCE) | QLD |
| 41,522 | DALBY AIRPORT | QLD |
| 40,068 | DOUBLE ISLAND POINT LIGHTHOUSE | QLD |
| 39,066 | GAYNDAH AIRPORT | QLD |
| 39,326 | GLADSTONE AIRPORT | QLD |
| 39,123 | GLADSTONE RADAR | QLD |
| 40,764 | GOLD COAST SEAWAY | QLD |
| 40,093 | GYMPIE | QLD |
| 33,317 | HAY POINT | QLD |
| 40,405 | HERVEY BAY AIRPORT | QLD |
| 30,022 | HUGHENDEN AIRPORT | QLD |
| 40,926 | INNER RECIPROCAL MARKER | QLD |
| 32,197 | INNISFAIL AERODROME | QLD |
| 29,058 | JULIA CREEK AIRPORT | QLD |
| 40,922 | KINGAROY AIRPORT | QLD |
| 29,038 | KOWANYAMA AIRPORT | QLD |
| 39,059 | LADY ELLIOT ISLAND | QLD |
| 29,181 | LAKE JULIUS AWS | QLD |
| 200,880 | LIHOU REEF LIGHTHOUSE | QLD |
| 35,139 | LOCHINGTON | QLD |
| 28,008 | LOCKHART RIVER AIRPORT | QLD |
| 36,031 | LONGREACH AERO | QLD |
| 32,141 | LUCINDA POINT | QLD |
| 33,045 | MACKAY AERO | QLD |
| 33,119 | MACKAY M.O | QLD |
| 200,001 | MIDDLE PERCY ISLAND | QLD |
| 34,035 | MORANBAH AIRPORT | QLD |
| 29,182 | MORNINGTON ISLAND AIRPORT | QLD |
| 29,127 | MOUNT ISA AERO | QLD |
| 40,988 | NAMBOUR DAFF - HILLSIDE | QLD |
| 37,059 | NEW MAY DOWNS | QLD |
| 41,359 | OAKEY AERO | QLD |
| 33,329 | OORALEA RACECOURSE (MACKAY TURF CLUB) | QLD |
| 28,004 | PALMERVILLE | QLD |
| 33,247 | PROSERPINE AIRPORT | QLD |
| 40,958 | REDCLIFFE | QLD |
| 140,007 | REDLAND (ALEXANDRA HILLS) | QLD |
| 30,161 | RICHMOND AIRPORT | QLD |
| 39,083 | ROCKHAMPTON AERO | QLD |
| 35,129 | ROLLESTON AIRPORT | QLD |
| 43,091 | ROMA AIRPORT | QLD |
| 33,208 | ROSSLYN BAY NTC AWS | QLD |
| 39,322 | RUNDLE ISLAND | QLD |
| 33,308 | SAMUEL HILL AERO | QLD |
| 27,075 | SCHERGER RAAF | QLD |
| 40,927 | SPITFIRE CHANNEL BEACON | QLD |
| 33,210 | ST LAWRENCE | QLD |
| 40,908 | TEWANTIN RSL PARK | QLD |
| 37,034 | THE MONUMENT AIRPORT | QLD |
| 41,529 | TOOWOOMBA AIRPORT | QLD |
| 200,892 | TORRES STRAIT NTC AWS | QLD |
| 32,040 | TOWNSVILLE AERO | QLD |
| 37,036 | TREPELL AIRPORT | QLD |
| 37,058 | URANDANGI AERODROME | QLD |
| 41,525 | WARWICK | QLD |
| 541,150 | WELLCAMP AIRPORT | QLD |
| 33,195 | WILLIAMSON | QLD |
| 200,283 | WILLIS ISLAND | QLD |
| 38,076 | WINDORAH AIRPORT | QLD |
| 37,039 | WINTON AIRPORT | QLD |
| 33,307 | WOOLSHED | QLD |
| 33,294 | YEPPOON THE ESPLANADE | QLD |
| 23,034 | ADELAIDE AIRPORT | SA |
| 23,123 | ADELAIDE AIRPORT (ANEMOMETER NORTHEAST) | SA |
| 23,124 | ADELAIDE AIRPORT (ANEMOMETER NORTHWEST) | SA |
| 23,109 | ADELAIDE AIRPORT (ANEMOMETER SOUTH WEST) | SA |
| 23,000 | ADELAIDE WEST TERRACE | SA |
| 25,562 | AUSTIN PLAINS | SA |
| 23,052 | BLACK POLE | SA |
| 91,344 | BURNIE NTC AWS | SA |
| 32,182 | CAPE FERGUSON NTC AWS | SA |
| 22,803 | CAPE WILLOUGHBY | SA |
| 18,012 | CEDUNA AMO | SA |
| 18,116 | CLEVE AERODROME | SA |
| 200,865 | COCOS ISLAND NTC AWS | SA |
| 18,191 | COLES POINT | SA |
| 16,090 | COOBER PEDY AIRPORT | SA |
| 26,091 | COONAWARRA | SA |
| 18,217 | CUMMINS AERO | SA |
| 14,072 | DARWIN NTC AWS | SA |
| 23,083 | EDINBURGH RAAF | SA |
| 22,046 | EDITHBURGH | SA |
| 109,504 | ESPERANCE NTC AWS | SA |
| 13,017 | GILES METEOROLOGICAL OFFICE | SA |
| 23,894 | HINDMARSH ISLAND AWS | SA |
| 22,050 | KADINA AWS | SA |
| 23,090 | KENT TOWN | SA |
| 22,841 | KINGSCOTE AERO | SA |
| 23,887 | KUITPO FOREST RESERVE | SA |
| 17,110 | LEIGH CREEK AIRPORT | SA |
| 24,024 | LOXTON RESEARCH CENTRE | SA |
| 17,126 | MARREE AERO | SA |
| 22,031 | MINLATON AERO | SA |
| 18,195 | MINNIPA PIRSA | SA |
| 17,123 | MOOMBA AIRPORT | SA |
| 23,878 | MOUNT CRAWFORD AWS | SA |
| 26,021 | MOUNT GAMBIER AERO | SA |
| 23,842 | MOUNT LOFTY | SA |
| 23,886 | MOUNT TERRIBLE RADAR | SA |
| 25,557 | MUNKORA | SA |
| 26,099 | NARACOORTE AERODROME | SA |
| 18,115 | NEPTUNE ISLAND | SA |
| 23,885 | NOARLUNGA | SA |
| 18,106 | NULLARBOR | SA |
| 23,373 | NURIOOTPA PIRSA | SA |
| 16,096 | OLYMPIC DAM AERODROME | SA |
| 17,043 | OODNADATTA AIRPORT | SA |
| 26,100 | PADTHAWAY SOUTH | SA |
| 24,584 | PALLAMANA AERODROME | SA |
| 23,013 | PARAFIELD AIRPORT | SA |
| 22,843 | PARNDANA CFS AWS | SA |
| 18,201 | PORT AUGUSTA AERO | SA |
| 68,253 | PORT KEMBLA NTC AWS | SA |
| 18,192 | PORT LINCOLN AWS | SA |
| 21,139 | PORT PIRIE AERODROME AWS | SA |
| 90,192 | PORTLAND NTC AWS | SA |
| 16,097 | PUKATJA | SA |
| 21,133 | RAYVILLE PARK | SA |
| 24,048 | RENMARK AERO | SA |
| 26,105 | ROBE AIRFIELD | SA |
| 23,122 | ROSEWORTHY AWS | SA |
| 23,875 | SECOND VALLEY FOREST AWS | SA |
| 92,133 | SPRING BAY NTC AWS | SA |
| 22,049 | STENHOUSE BAY | SA |
| 24,580 | STRATHALBYN RACECOURSE | SA |
| 16,098 | TARCOOLA AERO | SA |
| 26,095 | THE LIMESTONE | SA |
| 18,200 | THEVENARD WIND | SA |
| 22,053 | WARBURTO POINT | SA |
| 18,120 | WHYALLA AERO | SA |
| 16,001 | WOOMERA AERODROME | SA |
| 18,083 | WUDINNA AERO | SA |
| 20,062 | YUNTA AIRSTRIP | SA |
| 96,003 | BUTLERS GORGE | TAS/ANT |
| 94,198 | CAPE BRUNY (CAPE BRUNY) | TAS/ANT |
| 91,331 | CAPE GRIM | TAS/ANT |
| 91,245 | CAPE GRIM BAPS (COMPARISON) | TAS/ANT |
| 97,000 | CAPE SORELL | TAS/ANT |
| 91,306 | CRESSY RESEARCH STATION | TAS/ANT |
| 94,255 | DENNES POINT | TAS/ANT |
| 91,126 | DEVONPORT AIRPORT | TAS/ANT |
| 94,254 | DUNALLEY (STROUD POINT) | TAS/ANT |
| 92,012 | FINGAL (LEGGE STREET) | TAS/ANT |
| 99,005 | FLINDERS ISLAND AIRPORT | TAS/ANT |
| 92,114 | FRIENDLY BEACHES | TAS/ANT |
| 94,191 | HARTZ MOUNTAIN (KEOGHS PIMPLE) | TAS/ANT |
| 94,029 | HOBART (ELLERSLIE ROAD) | TAS/ANT |
| 94,008 | HOBART AIRPORT | TAS/ANT |
| 98,017 | KING ISLAND AIRPORT | TAS/ANT |
| 94,087 | KUNANYI (MOUNT WELLINGTON PINNACLE) | TAS/ANT |
| 92,045 | LARAPUNA (EDDYSTONE POINT) | TAS/ANT |
| 91,237 | LAUNCESTON (TI TREE BEND) | TAS/ANT |
| 91,311 | LAUNCESTON AIRPORT | TAS/ANT |
| 96,033 | LIAWENEE | TAS/ANT |
| 91,293 | LOW HEAD | TAS/ANT |
| 97,080 | LOW ROCKY POINT | TAS/ANT |
| 91,259 | LUNCHEON HILL (FORESTRY) | TAS/ANT |
| 92,124 | MARIA ISLAND (POINT LESUEUR) | TAS/ANT |
| 97,085 | MOUNT READ | TAS/ANT |
| 95,048 | OUSE FIRE STATION | TAS/ANT |
| 97,083 | SCOTTS PEAK DAM | TAS/ANT |
| 91,291 | SHEFFIELD SCHOOL FARM | TAS/ANT |
| 97,072 | STRAHAN AERODROME | TAS/ANT |
| 92,123 | SWAN ISLAND | TAS/ANT |
| 94,155 | TASMAN ISLAND | TAS/ANT |
| 94,195 | TUNNACK FIRE STATION | TAS/ANT |
| 97,024 | WARRA | TAS/ANT |
| 91,107 | WYNYARD AIRPORT | TAS/ANT |
| 90,180 | AIREYS INLET | VIC |
| 87,113 | AVALON AIRPORT | VIC |
| 85,279 | BAIRNSDALE AIRPORT | VIC |
| 89,002 | BALLARAT AERODROME | VIC |
| 79,101 | BEN NEVIS | VIC |
| 81,123 | BENDIGO AIRPORT | VIC |
| 90,184 | CAPE NELSON LIGHTHOUSE | VIC |
| 90,015 | CAPE OTWAY LIGHTHOUSE | VIC |
| 90,171 | CASHMORE AIRPORT | VIC |
| 90,182 | CASTERTON | VIC |
| 86,361 | CERBERUS | VIC |
| 80,128 | CHARLTON | VIC |
| 86,383 | COLDSTREAM | VIC |
| 86,320 | COLDSTREAM COMPARISON | VIC |
| 84,143 | COMBIENBAR AWS | VIC |
| 90,194 | DARTMOOR | VIC |
| 85,072 | EAST SALE AIRPORT | VIC |
| 79,099 | EDENHOPE AIRPORT | VIC |
| 88,164 | EILDON FIRE TOWER | VIC |
| 86,038 | ESSENDON AIRPORT | VIC |
| 83,084 | FALLS CREEK | VIC |
| 86,376 | FAWKNER BEACON | VIC |
| 86,266 | FERNY CREEK | VIC |
| 86,371 | FRANKSTON AWS | VIC |
| 87,184 | GEELONG RACECOURSE | VIC |
| 84,142 | GELANTIPY | VIC |
| 90,173 | HAMILTON AIRPORT | VIC |
| 77,010 | HOPETOUN AIRPORT | VIC |
| 79,100 | HORSHAM AERODROME | VIC |
| 82,139 | HUNTERS HILL | VIC |
| 79,097 | KANAGULK | VIC |
| 88,162 | KILMORE GAP | VIC |
| 80,091 | KYABRAM | VIC |
| 85,280 | LATROBE VALLEY AIRPORT | VIC |
| 87,031 | LAVERTON RAAF | VIC |
| 79,028 | LONGERENONG | VIC |
| 84,084 | MALLACOOTA | VIC |
| 88,109 | MANGALORE AIRPORT | VIC |
| 86,338 | MELBOURNE (OLYMPIC PARK) | VIC |
| 86,282 | MELBOURNE AIRPORT | VIC |
| 76,031 | MILDURA AIRPORT | VIC |
| 86,077 | MOORABBIN AIRPORT | VIC |
| 90,176 | MORTLAKE RACECOURSE | VIC |
| 85,291 | MOUNT BAW BAW | VIC |
| 83,024 | MOUNT BULLER | VIC |
| 90,035 | MOUNT GELLIBRAND | VIC |
| 83,085 | MOUNT HOTHAM | VIC |
| 85,296 | MOUNT MOORNAPA | VIC |
| 84,144 | MOUNT NOWA NOWA | VIC |
| 79,103 | MOUNT WILLIAM | VIC |
| 78,015 | NHILL AERODROME | VIC |
| 85,313 | NILMA NORTH (WARRAGUL) | VIC |
| 83,090 | OMEO | VIC |
| 84,145 | ORBOST | VIC |
| 87,166 | POINT WILSON | VIC |
| 90,175 | PORT FAIRY AWS | VIC |
| 85,099 | POUND CREEK | VIC |
| 88,051 | REDESDALE | VIC |
| 86,373 | RHYLL | VIC |
| 82,039 | RUTHERGLEN RESEARCH | VIC |
| 86,104 | SCORESBY RESEARCH INSTITUTE | VIC |
| 87,168 | SHEOAKS | VIC |
| 81,125 | SHEPPARTON AIRPORT | VIC |
| 86,344 | SOUTH CHANNEL ISLAND | VIC |
| 86,220 | ST KILDA HARBOUR - RMYS | VIC |
| 79,105 | STAWELL AERODROME | VIC |
| 77,094 | SWAN HILL AERODROME | VIC |
| 81,049 | TATURA INST SUSTAINABLE AG | VIC |
| 86,068 | VIEWBANK | VIC |
| 76,064 | WALPEUP RESEARCH | VIC |
| 82,138 | WANGARATTA AERO | VIC |
| 78,018 | WARRACKNABEAL AIRPORT | VIC |
| 90,186 | WARRNAMBOOL AIRPORT NDB | VIC |
| 89,112 | WESTMERE | VIC |
| 85,301 | YANAKIE | VIC |
| 85,151 | YARRAM AIRPORT | VIC |
| 81,124 | YARRAWONGA | VIC |
| 200,735 | ADELE ISLAND | WA |
| 9,037 | BADGINGARRA RESEARCH STN | WA |
| 505,053 | BARIMUNYA | WA |
| 9,240 | BICKLEY | WA |
| 6,092 | BILLABONG ASA | WA |
| 505,052 | BOOLGEEDA AIRPORT | WA |
| 9,617 | BRIDGETOWN | WA |
| 3,102 | BROOME NTC AWS | WA |
| 200,784 | BROWSE ISLAND | WA |
| 9,965 | BUNBURY | WA |
| 9,603 | BUSSELTON AERO | WA |
| 9,937 | BUSSELTON JETTY | WA |
| 9,518 | CAPE LEEUWIN | WA |
| 9,519 | CAPE NATURALISTE | WA |
| 505,049 | CHRISTMAS CREEK | WA |
| 505,051 | COONDEWANNA | WA |
| 10,286 | CUNDERDIN AIRFIELD | WA |
| 3,080 | CURTIN AERO | WA |
| 507,500 | DEGRUSSA AERODROME | WA |
| 3,032 | DERBY AERO | WA |
| 9,538 | DWELLINGUP | WA |
| 9,789 | ESPERANCE | WA |
| 9,542 | ESPERANCE AERO | WA |
| 11,003 | EUCLA | WA |
| 3,093 | FITZROY CROSSING AERO | WA |
| 505,056 | FORTESCUE DAVE FORREST | WA |
| 9,178 | GINGIN AERO | WA |
| 9,204 | GOOSEBERRY HILL | WA |
| 2,079 | HALLS CREEK AIRPORT | WA |
| 2,012 | HALLS CREEK METEOROLOGICAL OFFICE | WA |
| 9,265 | HILLARYS BOAT HARBOUR NTC AWS | WA |
| 9,961 | HOPETOUN NORTH | WA |
| 9,091 | INNER DOLPHIN PYLON | WA |
| 10,905 | JACUP | WA |
| 9,172 | JANDAKOT AERO | WA |
| 1,019 | KALUMBURU | WA |
| 4,083 | KARRATHA AERO | WA |
| 10,916 | KATANNING | WA |
| 2,056 | KUNUNURRA AERO | WA |
| 10,911 | LAKE GRACE | WA |
| 12,305 | LAVERTON AERO | WA |
| 4,095 | LEGENDRE ISLAND | WA |
| 12,314 | LEINSTER AERO | WA |
| 12,241 | LEONORA AERO | WA |
| 503,016 | LOMBADINA AIRSTRIP | WA |
| 4,019 | MANDORA | WA |
| 9,977 | MANDURAH | WA |
| 4,106 | MARBLE BAR | WA |
| 5,008 | MARDIE | WA |
| 7,045 | MEEKATHARRA AIRPORT | WA |
| 8,296 | MORAWA AIRPORT | WA |
| 512,019 | MOUNT KEITH | WA |
| 7,600 | MOUNT MAGNET AERO | WA |
| 12,044 | MUNGLINUP WEST | WA |
| 10,692 | NEWDEGATE RESEARCH STATION | WA |
| 7,176 | NEWMAN AERO | WA |
| 12,009 | NORSEMAN AERO | WA |
| 9,998 | NORTH WALPOLE | WA |
| 9,214 | OCEAN REEF | WA |
| 5,017 | ONSLOW AIRPORT | WA |
| 7,185 | PARABURDOO AERO | WA |
| 9,053 | PEARCE RAAF | WA |
| 9,021 | PERTH AIRPORT | WA |
| 9,225 | PERTH METRO | WA |
| 11,053 | RED ROCKS POINT | WA |
| 4,090 | ROEBOURNE AERO | WA |
| 9,193 | ROTTNEST ISLAND | WA |
| 200,713 | ROWLEY SHOALS | WA |
| 12,071 | SALMON GUMS RES.STN. | WA |
| 6,105 | SHARK BAY AIRPORT | WA |
| 504,045 | SHAY GAP | WA |
| 505,060 | SOLOMON AIRPORT | WA |
| 12,320 | SOUTHERN CROSS AIRFIELD | WA |
| 9,215 | SWANBOURNE | WA |
| 13,030 | TELFER AERO | WA |
| 512,023 | TROPICANA AIRPORT | WA |
| 507,501 | WEST ANGELAS AIRPORT | WA |
| 3,096 | WEST ROEBUCK | WA |
| 9,746 | WITCHCLIFFE | WA |
| 1,006 | WYNDHAM AERO | WA |