

WORLD METEOROLOGICAL ORGANIZATION

RA-V-PIW-3 /Doc. 8(2)
(27.XI.2001)

RA-V WORKING GROUP ON THE PLANNING AND
IMPLEMENTATION OF THE WWW

ITEM 8

THIRD MEETING

Original: ENGLISH

SYDNEY, 3-7 DECEMBER 2001

**Draft Regional Basic Synoptic Network (RBSN)
For Region V**

(Submitted by T.Hart, Rapporteur on the GOS)

ACTION REQUIRED:

The meeting is requested to review this list and prepare a proposal for consideration by XIII-RA-V.

Draft RBSN list for Region V

The attachment shows a proposed list of RBSN stations for Region V, including an indication of the current status based on monitoring results over the past year. These monitoring results include the Annual Monitoring for October 2000 and 2001 and the Special Monitoring for February, April and July 2001.

The list is slightly modified from the current RBSN list based on advice from Bruce Sumner (Bureau of Meteorology, Australia) and Kevin Alder (MetService, New Zealand).

The modifications represent:

- Changes to the network where these have been or should have been advised
- Some recommended changes where there appears to be an active station very close to a station which does not report
- A few deletions where no observing program is listed in Vol. A and no reports have been received
- A few changes to the location headings under which stations were listed.

There is a continuing problem with non-standard reporting hours by stations from Papua New Guinea, some stations in Australia and New Zealand stations during daylight saving. These are not counted in the official monitoring, which only registers standard hour bulletins. Most automatic weather stations in Australia report hourly and their reports are now included in standard hour bulletins. However, some AWS which report only at 3-hourly intervals and the remaining manual observations are only reported at non-standard hours.

There are a significant number of stations in the draft RBSN list from which no observations are received. For most, there are no alternative reporting stations within the recommended spacing of 150 km for surface observations.

The meeting is invited to review the list and to discuss whether to delete these stations from the RBSN or to seek means of re-establishing an observing program at these stations, particularly where there is an overlap with the needs of climate monitoring.

(The draft list of RBSN stations was prepared with much assistance from Bruce Sumner (Australia) and advice from Kevin Alder (New Zealand). Their assistance is greatly appreciated).

Proposed List of Stations comprising the RBSN in Region V
at 27 November 2001

Index	Name	Observing Program	Status of Implementation
AUSTRALIA			
94102	TROUGHTON ISLAND	S	OK
94103	BROWSE ISLAND AWS	S	OK
94120	DARWIN AIRPORT	S	OK
94120	DARWIN AIRPORT	W R	OK
94122	CAPE FOURCROY	S	OK
94131	TINDAL AWS	S	OK
94147	CAPE WESSEL AWS	S	OK
94150	GOVE AIRPORT	S	OK
94150	GOVE AIRPORT	W R	IR
94151	NORTH EAST ISLAND	S	OK
94170	WEIPA AMO	S	OK
94170	WEIPA AMO	W	OK
94183	COEN AIRPORT AWS	S	OK
94200	MANDORA AWS	S	OK
94203	BROOME AMO	S	OK
94203	BROOME AMO	W R	OK
94206	FITZROY CROSSING AERO	S	OK
94207	ROWLEY SHOALS AWS	S	OK
94211	MOUNT BARNETT MOUNT ELIZABETH	S	NO
94212	HALLS CREEK AMO	S	OK
94212	HALLS CREEK AMO	W	OK
94216	KUNUNURRA AERO	S	OK
94236	ELLIOTT	S	NO
94238	TENNANT CREEK MET OFFICE	S	OK
94238	TENNANT CREEK MET OFFICE	W	OK
94248	CENTRE ISLAND AWS	S	NO
94255	CAMOOWEAL TOWNSHIP	S	NO
94267	NORMANTON	S	IS
94268	KOWANYAMA AIRPORT	S	OK
94275	GEORGETOWN	S	NO
94283	COOKTOWN MISSION STRIP	S	OK
94287	CAIRNS AIRPORT	S	OK
94287	CAIRNS AIRPORT	W	OK
94290	FLINDERS REEF	S	OK
94294	TOWNSVILLE AERO	S	OK
94294	TOWNSVILLE AERO	W R	IR
94296	LIHOU REEF	S	OK
94298	MARION REEF	S	OK
94299	WILLIS ISLAND	S	OK
94299	WILLIS ISLAND	W R	IR
94300	CARNARVON AIRPORT	S	OK
94300	CARNARVON AIRPORT	W	IW
94302	LEARMONTH AIRPORT	S	OK
94302	LEARMONTH AIRPORT	W R	OK
94312	PORT HEDLAND AMO	S	OK
94312	PORT HEDLAND AMO	W R	OK
94313	WITTENOOM	S	NO
94317	NEWMAN AERO	S	OK
94319	TELFER AERO	S	OK
94324	YUENDUMU	S	NO
94326	ALICE SPRINGS AERO	S	OK
94326	ALICE SPRINGS AERO	W R	IR
94327	JERVOIS AWS	S	NO
94332	MOUNT ISA AMO	S	OK
94332	MOUNT ISA AMO	W R	OK
94333	BOULIA AIRPORT	S	NO
94341	RICHMOND AIRPORT	S	OK

94346	LONGREACH AMO	S	OK
94346	LONGREACH AMO	W	OK
94363	EMERALD AIRPORT	S	OK
94366	BOWEN AIRPORT	S	NO
94367	MACKAY MO	S	OK
94367	MACKAY MO	W	OK
94374	ROCKHAMPTON AERO	S	OK
94374	ROCKHAMPTON AERO	W R	IR
94388	LADY ELLIOT ISLAND AWS	S	OK
94393	FREDERICK REEF	S	OK
94394	CATO ISLAND	S	OK
94403	GERALDTON AMO	S	OK
94403	GERALDTON AMO	W R	OK
94429	MT MAGNET AERO	S	OK
94430	MEEKATHARRA AMO	S	OK
94430	MEEKATHARRA AMO	W R	OK
94449	LAVERTON AWS	S	OK
94451	CARNEGIE (CARNEGIE)	S	NO
94461	GILES	S	OK
94461	GILES	W R	IR
94462	YULARA AERO	S	OK
94477	MARLA POLICE STATION	S	NO
94482	BIRDSVILLE POLICE STATION	S	IS
94488	WINDORAH	S	NO
94500	CUNNAMULLA POST OFFICE	S	NO
94510	CHARLEVILLE AMO	S	OK
94510	CHARLEVILLE AMO	W R	OK
94515	ROMA AIRPORT	S	OK
94552	Oakey AERO	S	OK
94578	BRISBANE AIRPORT AERO	S	OK
94578	BRISBANE AIRPORT AERO	W R	OK
94584	DOUBLE ISLAND POINT LIGHTHOUSE	S	OK
94601	AUGUSTA CAPE LEEUWIN	S	OK
94610	PERTH AIRPORT	S	OK
94610	PERTH AIRPORT	W R	OK
94637	KALGOORLIE-BOULDER AMO	S	OK
94637	KALGOORLIE-BOULDER AMO	W R	OK
94638	ESPERANCE MO	S	OK
94638	ESPERANCE MO	W R	OK
94642	BALLADONIA	S	NO
94643	RAWLINNA BALG AIR	S	NO
94647	EUCLA AMO	S	OK
94647	EUCLA AMO	W R	OK
94651	NULLARBOR	S	OK
94653	CEDUNA AMO	S	OK
94653	CEDUNA AMO	W	OK
94659	WOOMERA AERODROME MO	S	OK
94659	WOOMERA AERODROME MO	W R	OK
94672	ADELAIDE AIRPORT	S	OK
94672	ADELAIDE AIRPORT	W R	OK
94691	BROKEN HILL AIRPORT	S	OK
94693	MILDURA AIRPORT	S	OK
94693	MILDURA AIRPORT	W	OK
94700	HILLSTON AIRPORT	S	NO
94703	BOURKE AIRPORT AWS	S	OK
94710	COBAR AIRPORT	S	OK
94711	COBAR MO	W R	OK
94729	BATHURST AIRPORT AWS	S	OK
94750	NOWRA RAN AIR STATION	S	OK
94750	NOWRA RAN AIR STATION	W R	OK
94767	SYDNEY AIRPORT AMO AWS	S	OK
94767	SYDNEY AIRPORT AMO AWS	W R	NO
94776	WILLIAMTOWN AMO RAAF	S	OK
94776	WILLIAMTOWN AMO RAAF	W R	IR

94791	COFFS HARBOUR MO/AWS	S	OK
94791	COFFS HARBOUR MO/AWS	W	OK
94802	ALBANY AIRPORT	S	OK
94802	ALBANY AIRPORT	W R	OK
94804	NEPTUNE ISLAND	S	OK
94821	MOUNT GAMBIER AERO	S	OK
94821	MOUNT GAMBIER AERO	W R	OK
94842	CAPE OTWAY LIGHTHOUSE	S	OK
94850	KING ISLAND AIRPORT	S	OK
94866	MELBOURNE AIRPORT	S	OK
94866	MELBOURNE AIRPORT	W R	OK
94875	SHEPPARTON AIRPORT	S	OK
94893	WILSONS PROMONTORY LIGHTHOUSE AWS	S	OK
94907	EAST SALE AIRPORT	S	OK
94907	EAST SALE AIRPORT	W	OK
94910	WAGGA WAGGA AMO/AWS	S	OK
94910	WAGGA WAGGA AMO/AWS	W R	OK
94926	CANBERRA AMO AWS	S	OK
94926	CANBERRA AMO AWS	W	OK
94935	MALLACOOTA	S	OK
94954	CAPE GRIM B.A.P.S.*	S	OK
94956	STRAHAN AERODROME	S	OK
94968	LAUNCESTON AIRPORT	S	OK
94968	LAUNCESTON AIRPORT	W	OK
94975	HOBART AIRPORT	S	OK
94975	HOBART AIRPORT	W R	OK
94983	EDDYSTONE POINT	S	OK
94995	LORD HOWE ISLAND	S	OK
94995	LORD HOWE ISLAND	W R	IR
94996	NORFOLK ISLAND AERO	S	OK
94996	NORFOLK ISLAND AERO	W R	IR
94997	HEARD ISLAND (THE SPIT)	S	IS
94998	MACQUARIE ISLAND	S	OK
94998	MACQUARIE ISLAND	W R	OK
95111	PORT KEATS AERO	S	OK
95146	NARAWILLI AWS	S	NO
95205	DERBY AERO	S	OK
95482	BIRDSVILLE POLICE STATION	S	OK
95322	RABBIT FLAT AWS	S	NO
95448	LEINSTER AERO	S	OK
95458	COOPER PEDY AIRPORT	S	OK
95480	MARREE AERO	S	OK
95481	MOOMBA AIRPORT	S	OK
95485	TIBOOBURRA AIRPORT	S	OK
95492	THARGOMINDAH AIRPORT	S	OK
95527	MOREE MO	S	OK
95527	MOREE MO	W R	OK
95634	SOUTHERN CROSS AIRFIELD	S	OK
95637	LAKE GRACE	S	OK
95646	FORREST	S	OK
95666	PORT AUGUSTA ARID LANDS	S	OK
95719	DUBBO AIRPORT	S	OK
95762	TAMWORTH AIRPORT AWS	S	OK
95839	HORSHAM AERODROME	S	OK

BRUNEI DARUSSALAM

96315	BRUNEI AIRPORT	S	OK
96315	BRUNEI AIRPORT	W R	OK

COOK ISLANDS

91801	PENRHYN	W	IW
91802	PENRHYN AWS	S	OK

91809	MANIHIKI AWS	S	OK
91811	PUKAPUKA	S	IS
91812	PUKAPUKA AWS *	S	OK
91826	PALMERSTON *	S	NO
91831	AITUTAKI AWS	S	OK
91841	MAUKE AWS	S	OK
91843	RAROTONGA	S	OK
91843	RAROTONGA	W	IW
91848	MANGAIA AWS	S	OK

DETACHED ISLANDS (91 : 753, 754)

91753	HIHIFO (ILE WALLIS)	S	OK
91754	MAOPOPO (ILE FUTUNA)	S	OK

DETACHED ISLANDS (91 533, 91961)

91533	BANABA	S	NO
91961	PITCAIRN ISLAND AWS	S	OK

EAST TIMOR

97385	OE-CUSSIE	S	IS
97390	DILLI/DILLI AIRPORT	S	IS

FIJI

91650	ROTUMA	S	OK
91652	UDU POINT AWS	S	OK
91659	NABOUWALU	S	OK
91660	YASAWA-I-RARA AWS	S	OK
91670	VIWA AWS	S	OK
91676	VANUA BALAVU AWS	S	OK
91680	NADI AIRPORT	S	OK
91680	NADI AIRPORT	W R	IR
91683	NAUSORI	S	OK
91691	LAKEBA AWS	S	OK
91693	VUNISEA	S	OK
91697	MATUKU AWS	S	OK
91699	ONO-I-LAU AWS	S	OK

FRENCH POLYNESIA (AUSTRAL ISLANDS)

91954	TUBUAI	S	OK
91954	TUBUAI	W R	IR
91958	RAPA	S	OK
91958	RAPA	W R	OK

FRENCH POLYNESIA (MARQUESAS ISLANDS)

91925	ATUONA	S	OK
91925	ATUONA	W R	IR

FRENCH POLYNESIA (SOCIETY ISLANDS)

91929	BORA-BORA	S	OK
91929	BORA-BORA	W	NO
91938	TAHITI-FAAA	S	OK
91938	TAHITI-FAAA	W R	OK

FRENCH POLYNESIA (TUAMOTU ISLANDS AND GAMBIER ISLANDS)

91943	TAKAROA	S	OK
91943	TAKAROA	W	IS

91944	HAO	S	OK
91944	HAO	W R	NO
91945	HEREHERETUE	S	OK
91948	RIKITEA	S	OK
91948	RIKITEA	W R	IR

INDONESIA (JAWA)

96749	JAKARTA/SOEKARNO-HATTA	S	OK
96749	JAKARTA/SOEKARNO-HATTA	W R	IS
96781	BANDUNG/HUSEIN	S	IS
96805	CILACAP	S	OK
96839	SEMARANG/AHMAD YANI	S	OK
96933	SURABAYA/PERAK I	S	OK
96935	SURABAYA/JUANDA	S	OK
96935	SURABAYA/JUANDA	W R	IR

INDONESIA (KALIMANTAN)

96509	TARAKAN/JUWATA	S	IS
96509	TARAKAN/JUWATA	W	NO
96581	PONTIANAK/SUPADIO	S	OK
96633	BALIKPAPAN/SEPINGGAN	S	OK
96645	PANGKALAN BUN/ISKANDAR	S	OK
96645	PANGKALAN BUN/ISKANDAR	W	NO
96655	PALANGKA RAYA/TJILIK RIWUT	S	OK
96685	BANJARMASIN/SYAMSUDIN NOOR	S	OK

INDONESIA (MALUKU AND IRIAN JAYA)

97430	TERNATE/BABULLAH	S	OK
97460	LABUHA/OESMAN SADIK	S	IS
97502	SORONG/JEFMAN	S	OK
97502	SORONG/JEFMAN	W	NO
97530	MANOKWARI/RENDANI	S	IS
97560	BIAK/FRANS KAISIEPO	S	IS
97560	BIAK/FRANS KAISIEPO	W R	IR
97580	SARMI/MARARENA	S	OK
97600	SANANA	S	OK
97686	WAMENA	S	OK
97690	JAYAPURA/SENTANI	S	OK
97724	AMBON/PATTIMURA	S	IS
97724	AMBON/PATTIMURA	W R	NO
97748	GESER	S	IS
97760	KAIMANA/UTAROM	S	OK
97796	TIMIKA	S	OK
97810	TUAL/DUMATUBUN	S	NO
97876	TANAH MERAH	S	OK
97900	SAUMLAKI/OLILIT	S	OK
97980	MERAUKE/MOPAH	S	OK
97980	MERAUKE/MOPAH	W R	NO

INDONESIA (NUSA TENGGARA)

97230	DENPASAR/NGURAH RAI	S	OK
97260	SUMBAWA BESAR/BRANGBIJI	S	OK
97270	BIMA/M. SALAHUDDIN	S	OK
97300	MAUMERE/WAI OTI	S	OK
97340	WAINGAPU/MAU HAU	S	OK
97372	KUPANG/ELTARI	S	OK
97372	KUPANG/ELTARI	W R	IR

INDONESIA (SULAWESI)

97014	MENADO/ SAM RATULANGI	S	OK
97014	MENADO/ SAM RATULANGI	W R	IR
97028	TOLI-TOLI/LALOS	S	OK
97048	GORONTALO/JALALUDDIN	S	OK
97072	PALU/MUTIARA	S	OK
97072	PALU/MUTIARA	W R	IR
97086	LUWUK/BUBUNG	S	OK
97096	POSO/KASIGUNCU	S	IS
97120	MAJENE	S	OK
97146	KENDARI/WOLTER MONGINSIDI	S	IS
97180	UJUNG PANDANG/HASANUDDIN	S	OK
97180	UJUNG PANDANG/HASANUDDIN	W R	IR
97192	BAU-BAU/BETO AMBARI	S	OK

INDONESIA (SUMATRA)

96009	LHOKSEUMAWE/MALIKUSSALEH	S	OK
96011	BANDA ACEH/BLANG BINTANG	S	OK
96011	BANDA ACEH/BLANG BINTANG	W	IR
96035	MEDAN/POLONIA	S	OK
96035	MEDAN/POLONIA	W R	IR
96073	SIBOLGA/PINANGSORI	S	OK
96091	TANJUNG PINANG/KIJANG	S	OK
96109	PEKAN BARU/SIMPANGTIGA	S	OK
96145	TAREMPA	S	NO
96147	RANAI	S	NO
96147	RANAI	W	IR
96163	PADANG/TABING	S	OK
96163	PADANG/TABING	W R	IR
96179	SINGKEP/DABO	S	OK
96195	JAMBI/SULTAN TAHA	S	IS
96221	PALEMBANG/ST. M. BADARUDIN II	S	OK
96237	PANGKAL PINANG	S	IS
96237	PANGKAL PINANG	W R	IR
96249	TANJUNG PANDAN/BULUH TUMBANG	S	OK
96253	BENGKULU/PADANG KEMILING	S	OK
96295	TANJUNG KARANG/RADIN INTEN II	S	OK

ISLANDS (96: 995, 996)

96995	CHRISTMAS ISLAND AERO	S	OK
96996	COCOS ISLAND AERO	S	OK
96996	COCOS ISLAND AERO	W R	OK

ISLANDS IN THE PACIFIC OCEAN NORTH OF THE EQUATOR

91066	MIDWAY ISLAND	S	NO
91158	PRINCEVILLE, KAUAI, HAWAII	S	NO
91159	KEKAHA, KAUAI, HAWAII	S	NO
91163	PORT ALLEN AIRPORT, KAUAI, HAWAII	S	OK
91165	LIHUE, KAUAI, HAWAII	S	OK
91165	LIHUE, KAUAI, HAWAII	W R	OK
91166	MAKAHUENA POINT, KAUAI, HAWAII	S	NO
91168	KAPAA, KAUAI, HAWAII	S	NO
91182	HONOLULU, OAHU, HAWAII	S	OK
91190	KAHULUI AIRPORT, MAUI, HAWAII	S	OK
91194	KAHOOLAWE, HAWAII	S	NO
91203	FALALOP ISLAND (CG), ULITHI ATOLL	S	IS
91204	ULITHI, ULITHI ATOLL, CAROLINE IS.	S	OK
91212	NWSO AGANA, GUAM, MARIANA IS.	S	OK
91212	NWSO AGANA, GUAM, MARIANA IS.	W R	OK
91221	ROTA, MARIANA ISLANDS	S	OK

91222	PAGAN ISLAND AWS, MARIANA IS.	S	NO
91231	TINIAN, MARIANA ISLANDS	S	OK
91251	ENIWETAK ATOLL AWS, MARSHALL IS.	S	OK
91259	UTIRIK ATOLL AWS, MARSHALL IS.	S	NO
91275	JOHNSTON ISLAND	S	NO
91285	HILO/GEN. LYMAN, HAWAII, HAWAII	S	OK
91285	HILO/GEN. LYMAN, HAWAII, HAWAII	W R	OK
91287	CAPE KUMUKAHI, HAWAII	S	NO
91294	SOUTH POINT, HAWAII	S	OK
91315	EAURIPIK, CAROLINE IS.	S	NO
91317	WOLEAI ATOLL, CAROLINE IS.	S	IS
91328	ULUL AWS, CAROLINE IS. *	S	NO
91334	TRUK, CAROLINE IS.	S	OK
91334	TRUK, CAROLINE IS.	W R	OK
91338	SATAWAN ATOLL AWS, CAROLINE ISLANDS	S	NO
91339	LUKUNOR ATOLL, CAROLINE ISLANDS	S	OK
91343	OROLUK ATOLL AWS, CAROLINE ISLANDS	S	NO
91348	PONAPE, CAROLINE IS.	S	OK
91348	PONAPE, CAROLINE IS.	W R	OK
91352	PINGELAP ATOLL AWS, CAROLINE IS.	S	NO
91355	KOSRAE ATOLL AWS, CAROLINE IS.	S	NO
91356	LELU, KOSRAE ATOLL, CAROLINE IS.	S	OK
91365	UJAE ATOLL AWS, MARSHALL IS.	S	NO
91366	KWAJALEIN/BUCHOLZ AAF, MARSHALL IS.	S	OK
91366	KWAJALEIN/BUCHOLZ AAF, MARSHALL IS.	W R	OK
91367	AILINGLAPALAP ATOLL, MARSHALL IS.	S	IS
91369	JALUIT ATOLL, MARSHALL IS.	S	IS
91371	WOTJE ATOLL, MARSHALL IS.	S	IS
91376	MAJUORO/MARSHALL IS. INTNL.	S	OK
91376	MAJUORO/MARSHALL IS. INTNL.	W R	OK
91377	MILI ATOLL AWS, MARSHALL IS.	S	NO
91408	KOROR, PALAU IS.	S	OK
91408	KOROR, PALAU IS.	W R	OK
91411	NGULU, CAROLINE IS.	S	OK
91413	YAP, CAROLINE IS.	S	OK
91413	YAP, CAROLINE IS.	W R	OK
91425	NUKUORO ATOLL, CAROLINE IS.	S	IS
91492	CHRISTMAS ISLAND	W	OK

KIRIBATI

91601	BUTARITARI	S	OK
91610	TARAWA	S	OK
91610	TARAWA	W R	IR
91623	BERU	S	IS
91629	ARORAE	S	OK

MALAYSIA (PENINSULAR MALAYSIA)

48601	PENANG/BAYAN LEPAS	S	OK
48601	PENANG/BAYAN LEPAS	W R	OK
48615	KOTA BHARU	S	OK
48615	KOTA BHARU	W R	OK
48620	SITIAWAN	S	OK
48647	KUALA LUMPUR/SUBANG	S	OK
48650	SEPANG	W R	OK
48657	KUANTAN	S	OK
48657	KUANTAN	W R	NO
48665	MALACCA	S	OK

MALAYSIA (SABAH AND SARAWAK)

96413	KUCHING	S	OK
96413	KUCHING	W R	OK

96421	SIBU	S	OK
96441	BINTULU	S	OK
96441	BINTULU	W R	OK
96449	MIRI	S	OK
96465	LABUAN	S	OK
96471	KOTA KINABALU	S	OK
96471	KOTA KINABALU	W R	OK
96481	TAWAU	S	OK
96481	TAWAU	W R	OK
96491	SANDAKAN	S	OK

NAURU

91530	NAURU AIRPORT	W R	NO
91531	NAURU	S	OK

NEW CALEDONIA

91570	ILE SURPRISE	S	OK
91574	ILE LOOP (CHESTERFIELD)	S	OK
91577	KOUMAC (NLLE-CALEDONIE)	S	OK
91582	OUANAHAM (ILE LIFOU)	S	OK
91592	NOUMEA (NLLE-CALEDONIE)	S	OK
91592	NOUMEA (NLLE-CALEDONIE)	W R	OK
91598	MATTHEW (ILOT)	S	OK

NEW ZEALAND

93004	CAPE REINGA	S	OK
93023	PURERUA	S	OK
93069	MOKOHINAU AWS	S	OK
93110	AUCKLAND AERO AWS	S	OK
93112	WHENUAPAI	W R	OK
93186	TAURANGA AERO AWS	S	OK
93196	HICKS BAY AWS	S	OK
93245	TAUPO AWS	S	OK
93291	GISBORNE AERODROME	W	OK
93292	GISBORNE AERODROME AWS	S	OK
93305	MAUI A PLATFORM	S	OK
93308	NEW PLYMOUTH AERODROME	W	OK
93309	NEW PLYMOUTH AWS	S	OK
93373	NAPIER AERODROME AWS	S	OK
93404	PALMERSTON NORTH AWS	S	OK
93417	PARAPARAUMU AERODROME	W R	OK
93420	PARAPARAUMU AWS	S	OK
93498	CASTLEPOINT	S	OK
93527	FAREWELL SPIT AWS	S	OK
93614	HOKITIKA AERODROME	W	OK
93615	HOKITIKA AERODROME AWS	S	OK
93678	KAIKOURA	S	OK
93709	HAAST AWS	S	OK
93773	TIMARU AERODROME AWS	S	OK
93781	CHRISTCHURCH AERO AWS	S	OK
93800	SECRETARY ISLAND AWS	S	OK
93805	PUYSEGUR POINT AWS	S	OK
93831	QUEENSTOWN AERODROME	S	OK
93844	INVERCARGILL AERODROME	W R	OK
93845	INVERCARGILL AIRPORT AWS	S	OK
93896	TAIAROA HEAD	S	OK
93909	SOUTH WEST CAPE AWS	S	OK
93929	ENDERBY ISLAND AWS	S	OK
93947	CAMPBELL ISLAND AWS	S	OK
93986	CHATHAM ISLAND	W R	IR
93987	CHATHAM ISLANDS AWS	S	OK

93994	RAOUL ISLAND, KERMADEC IS. AWS	S	OK
93997	RAOUL ISLAND, KERMADEC IS.	W R	IR

NIUE

91822	ALOFI	S	NO
91824	HANAN AIRPORT	S	OK

PAPUA NEW GUINEA

92001	KIUNGA W.O.	S	NO
92003	DARU W.O.	S	NO
92004	WEWAK W.O.	S	NO
92014	MADANG W.O.	S	NO
92014	MADANG W.O.	W R	NO
92035	PORT MORESBY W.O.	S	NO
92035	PORT MORESBY W.O.	W R	IR
92044	MOMOTE W.O.	S	NO
92044	MOMOTE W.O.	W R	IR
92047	NADZAB W.O.	S	NO
92071	UVOL	S	NO
92076	KAVIENG W.O.	S	NO
92077	GURNEY W.O.	S	NO
92087	MISIMA W.O.	S	NO
92100	TOKUA W.O.	S	NO

PHILIPPINES

98133	CALAYAN	S	IS
98135	BASCO	S	OK
98223	LAOAG	S	OK
98223	LAOAG	W R	NO
98232	APARRI	S	OK
98325	DAGUPAN	S	OK
98328	BAGUIO	S	OK
98328	BAGUIO	W	NO
98329	MUNOZ	S	OK
98336	CASIGURAN	S	OK
98429	NINYO AQUINO INTERNATIONAL AIRPORT	S	OK
98429	NINYO AQUINO INTERNATIONAL AIRPORT	W R	NO
98431	CALAPAN	S	OK
98440	DAET	S	OK
98444	LEGASPI	S	OK
98444	LEGASPI	W	NO
98526	CORON	S	OK
98531	SAN JOSE	S	OK
98536	ROMBLON	S	OK
98543	MASBATE	S	OK
98550	TACLOBAN	S	OK
98618	PUERTO PRINCESA	S	OK
98618	PUERTO PRINCESA	W	NO
98630	CUYO	S	OK
98637	ILOILO	S	OK
98646	MACTAN	S	OK
98646	MACTAN	W R	IR
98653	SURIGAO	S	OK
98741	DIPOLOG	S	OK
98747	LUMBIA AIRPORT	S	OK
98748	CAGAYAN DE ORO	S	OK
98753	DAVAO AIRPORT	S	OK
98753	DAVAO AIRPORT	W	NO
98755	HINATUAN	S	OK
98836	ZAMBOANGA	S	OK

PHOENIX ISLANDS

91701	KANTON ISLAND	S	OK
91701	KANTON ISLAND	W R	NO

SAMOA AND AMERICAN SAMOA

91762	APIA	S	OK
91764	CAPE TAPUTAPU AWS, AMERICAN SAMOA *	S	NO
91765	PAGO PAGO/INT.AIRP.	S	IS
91765	PAGO PAGO/INT.AIRP.	W R	OK
91766	CAPE MATATULA AWS, AMERICAN SAMOA *	S	OK
91768	TA'U AWS, AMERICAN SAMOA *	S	OK

SINGAPORE

48698	SINGAPORE/CHANGI AIRPORT	S	OK
48698	SINGAPORE/CHANGI AIRPORT	W R	OK

SOLOMON ISLANDS

91503	MUNDA	S	IS
91507	AUKI	S	IS
91517	HONIARA	W R	NO
91520	HONIARA/HENDERSON	S	IS
91541	SANTA CRUZ	S	IS

SOUTHERN LINE ISLANDS

91902	MALDEN ISLAND (NORPAX)	S	NO
91902	MALDEN ISLAND (NORPAX)	W R	NO

TOKELAU (AND SWAINS IS.)

91720	ATAFU	S	OK
91723	NUKUNONU AWS	S	OK
91724	NUKUNONO	S	OK
91727	FENUAFALA/FAKAOFO	S	OK

TONGA

91776	KEPPEL	S	NO
91780	VAVAU	S	IS
91784	HAAPAI	S	OK
91792	FUA'AMOTU	S	OK
91792	FUA'AMOTU	W	NO

TUVALU

91631	NANUMEA	S	OK
91636	NUI	S	OK
91643	FUNAFUTI	S	OK
91643	FUNAFUTI	W R	IR
91648	NIULAKITA	S	IS

VANUATU

91551	SOLA (VANUA LAVA)	S	IS
91554	PEKOA AIRPORT (SANTO)	S	OK
91555	LAMAP (MALEKULA)	S	OK
91557	BAUERFIELD (EFATE)	S	OK
91557	BAUERFIELD (EFATE)	W R	NO
91565	BURTONFIELD (TANNA)	S	OK
91568	ANEITYUM	S	OK

NOTES and SUGGESTIONS:

48650 SEPANG Upper Air site moved from 48647 Subang (as advised by PR Malaysia to WMO in 1999)

91066 PRINCEVILLE, HAWAII, last received AGM 2000, not in 2001 AGM

91328 ULUL, CAROLINE Is, station with no observing program, deletion?

91533 BANABA move from DETACHED ISLANDS to KIRIBATI

91701 KANTON ISLAND, suggested moving from PHOENIX ISLANDS to KIRIBATI

91724 NUKUNONO, collocated with 91723 NOKUNONU, keep only one?

91753 HIHIFO suggest moving from DETACHED ISLANDS to NEW CALEDONIA

91754 MAOPOPO suggest moving from DETACHED ISLANDS to NEW CALEDONIA

91764 CAPE TAPUTAPU, SAMOA, station with no observing program, deletion?

91766 CAPE MATATULA, SAMOA, station with no observing program, deletion?

91768 TA'U AWS, SAMOA, station with no observing program, deletion?

91779 LUPEPAU'U AWS suggest adding as replacement for 91780

91780 VAVUA, TONGA, never received, suggest deletion

91811 PUKAPUKA suggest deletion, 91812 at same site more reliable

91822 ALOFI, NIUE closed years ago, should be replaced with 91824 HANAN

91824 HANAN AIRPORT, suggested replacement for ALOFI.

91826 PALMERSTON * Closed years ago, no replacement available, delete?

91902 MALDEN ISLAND, never implemented, suggest deletion.

91929 BORA BORA, wind data never received, suggest deletion

91944 HAO, wind data never received, suggest deletion

91961 PITCAIRN ISLAND AWS, suggest adding to RBSN in DETACHED ISLANDS.

94183 COEN AIRPORT AWS with full program replaces 94184 COEN AIRPORT

94200 MANDORA AWS installed June 2001, now fully operational

94267 NORMANTON closed April 2001, delete?

94482 BIRDSVILLE replaced with 95482 BIRDSVILLE AWS, full program.

94767 SYDNEY AIRPORT does flights at odd hours, suggest deletion.

95482 BIRDSVILLE POLICE STATION, replaces 94482 BIRDSVILLE

18 Stations in Australia with implementation = NO are manual stations that report one hour off the recommended WMO main hours. They will ultimately be replaced with AWS are will then report at the WMO main hours.

Stations 94248, 94327, 94388, 95146 and 95322 are all AWS stations but currently do not produce reports at the WMO main hours, they only do asynoptic reports.

All New Guinea synoptic reports are included in 'SNNG01' bulletins as they are taken at asynoptic hours starting at 2300 UTC.

New Zealand synoptic goes into Daylight Saving in early October each year and performs its reports at asynoptic hours in the bulletin SNNZ01, thus these are not being counted in the AGM. However New Zealand plan to convert to year round main hour reporting within the next 12 months, in time for the 2002 AGM.