OPERATIONAL NEWSLETTER

VOLUME 1998

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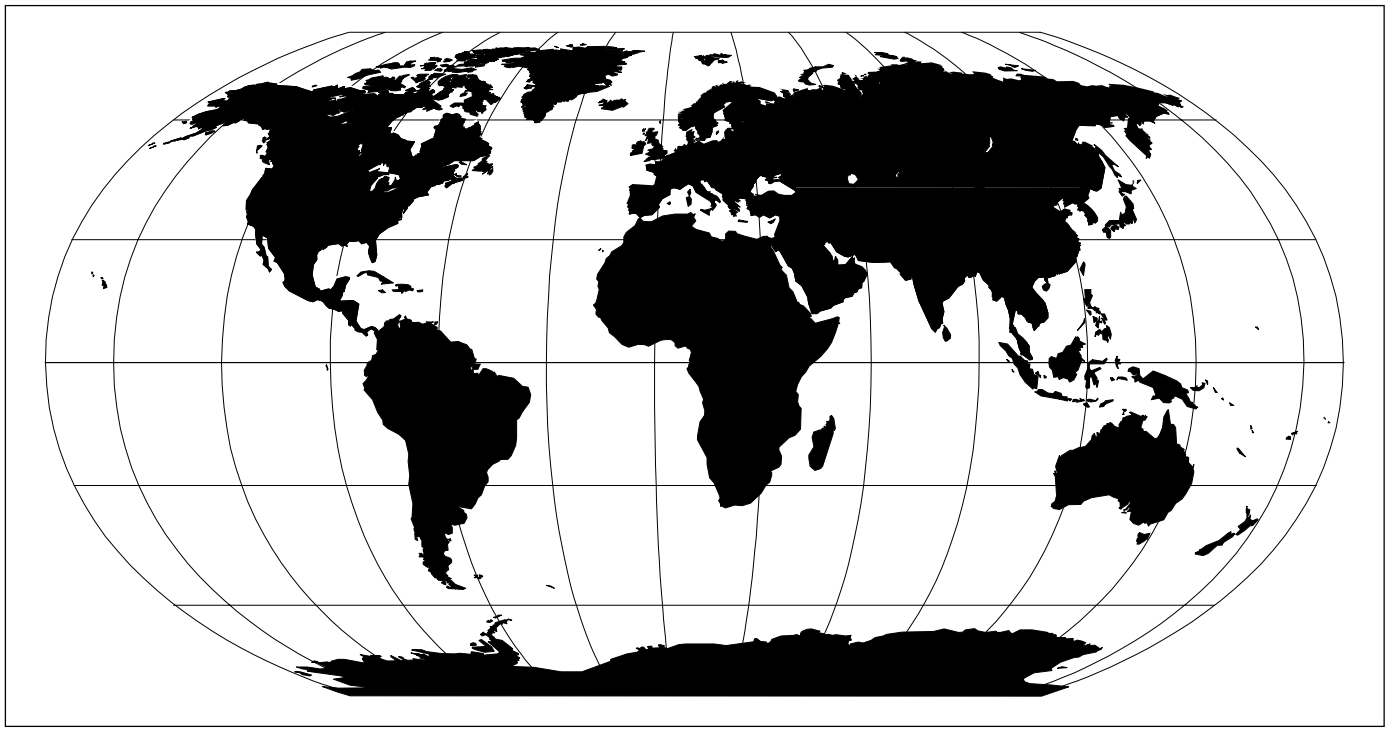
WORLD WEATHER WATCH



MARINE METEOROLOGICAL SERVICES

WORLD METEOROLOGICAL ORGANIZATION
GENEVA
SWITZERLAND

The WMO Secretariat would like to express its appreciation to all those who have contributed material to the *"Operational Newsletter".* ■

EDITORIAL

The *Operational Newsletter* on the World Weather Watch (WWW) and Marine Meteorological Services (MMS) has been issued since 1982 at the request of the Commission for Basic Systems. It is distributed by the WMO Secretariat and is aimed at providing WWW Centres with a summary of the latest operational information on:

- I. The Global Observing System
- II. The Global Telecommunication System
- III. The Global Data-Processing System
- IV. Data Management and Codes
- V. Marine Meteorological Services

A feedback form is included in the *Newsletter* to assist WMO Members in reporting changes in the present status of implementation of observing programmes of SYNOP, TEMP and PILOT reporting stations.

Your co-operation in ensuring that the above information reaches the appropriate operational units of your service is greatly appreciated.

In addition to the printed version which is distributed by mail, the *Newsletter* is also available at the following locations:

For access via FTP:
ftp://www.wmo.ch/wmo-ddbs/OperationalInfo/Newsletters/

For access via http:
http://www.wmo.ch/web/ddbs/jen/Newsletters/index.html

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http://www.adobe.com/prodindex/Acrobat/readstep.html

Comments are more than welcome. Should you have any difficulties downloading, viewing or printing the *Newsletter* ... Our e-mail address is as follows:

PWOI@WWW.WMO.CH

We look forward to hearing from you.

Rising costs demand that we scale down the distribution of the Newsletter by letter mail, so we strongly encourage our readers to help us become more cost-effective by using our new on-line service.

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1. Information on the Operational Status of Elements of the Surface-Based Sub-System

1.1 Feed-back from Members to the Secretariat on any changes in the observing network

In view of the difficulties experienced in identifying non-implemented observing stations or implemented stations which are closed or suspended for a certain period, or stations making observations that do not reach their NMCs, a special table accompanied by explanatory notes is included in this Newsletter. The table will serve as feed-back from Members to the Secretariat on any changes of the present state of implementation of observing programmes of SYNOP, TEMP and PILOT reporting stations.

Members are urged to fill in the table attached as and when appropriate, and to return it to the Secretariat before the 20th of each month to enable changes to be included in the next *"Newsletter"*.

1.2 WMO Catalogue of Radiosondes and Upper-air Wind systems in Use by Members

Pages 6/7 are the updates to the above Catalogue. Should you wish to view/print the complete edition go the following location and select the format preferred, either Excel or text, tab delimited:

http://
www.wmo.ch/web/ddbs/jen/CatalogueOfRadiosondes&Upper_airWindSystems/index.html

ftp://
www.wmo.ch/wmo-ddbs/OperationalInfo/RadiosondeStns/

UPDATES: WMO Catalogue of Radiosondes and Upper-air Wind systems in Use by Members

Index No.	Name	Lat	Long	Elevation HP	Elevation H/HA	PROGRAM TEMP	PROGRAM PILOT	RADIOSONDE Regular	RADIOSONDE Alternative	RADIOSONDE Frequency
Canada										
71043	NORMAN WELLS, N.W.T.	65 17N	126 45W	95	95	0012		VRS80		403
71072	MOULD BAY, NWT									
71081	HALL BEACH, N.W.T.	68 46N	81 13W	6		0012		VRS80		403
71082	ALERT, N.W.T.	82 31N	62 17W	31	64	0012		VRS80		403
71109	PORT HARDY, B.C.	50 41N	127 22W	22	16	0012		VRS80		403
71119	STONY PLAIN ALTA	53 33N	114 06W	766	766	0012		VRS80	VIZ MARK II	403
71600	SABLE ISLAND, N.S.	43 56N	60 01W	4	4	0012		VRS80		403
71603	YARMOUTH, N.S.	43 50N	66 05W	43		0012		VIZ MARK II		403
71701	GAGETOWN	45 83N	66 43W	41		00		VRS80L		401-406
71716	VALCARTIER, QUE.	46 00N	71 05W	168		Irreg		VRS80?		403
71722	MANIWAKI,QUEBEC	46 17N	76 00W	201	170	0012		VRS80		403
71801	ST.JOHNS, NFLD	47 37N	52 45W	140	138	0012		VIZ MARK II		403
71811	SEPT-ILES, QUE.	50 13N	66 15W	53	52	0012		VRS80		403
71815	STEPHENVILLE, NFLD	48 34N	58 34W	60	60	0012		VRS80		403
71816	GOOSE BAY, NFLD.	53 18N	60 22W	36	38	0012		VRS80		403
71823	LA GRANDE IV, QUEBEC	53 45N	73 40W	307	306	0012		VRS80		403
71836	MOOSONEE, ONT.	51 16N	80 39W	10	10	0012		VIZ MARK II		403
71845	PICKLE LAKE, ONT.	51 27N	90 13W	386	389	0012		VIZ MARK II		403
71866	SASKATOON, SASK.									
71867	THE PAS, MAN.	53 58N	101 06W	271	273	0012		VIZ MARK II		403
71876	NORTH BATTLEFORD SASK	52 46N	108 15W	548	548	0012		VIZ MARK II		403
71896	PRINCE GEORGE, UA	53 54N	122 48W	601	601	0012		VRS80		403
71906	KUUJJUAQ, QUEBEC	58 07N	68 25W	60	59	0012		VRS80		403
71907	INUKJUAK, QUEBEC	58 28N	78 05W	25	3	0012		VRS80		403
71909	IQALUIT, N.W.T.	63 45N	68 33W	21	34	0012		VRS80		403
71913	CHURCHILL, MAN.	58 44N	94 04W	29	27	0012		VRS80		403
71915	CORAL HARBOUR, N.W.T.	64 12N	83 22W	57	52	0012		VRS80		403
71917	EUREKA, N.W.T.	79 59N	85 56W	10		0012		VRS80		403
71924	RESOLUTE BAY, N.W.T.	74 42N	94 58W	40	40	0012		VRS80		403
71925	CAMBRIDGE BAY, N.W.T.	69 08N	105 04W	26	25	0012		VRS80		403
71926	BAKER LAKE, N.W.T.	64 18N	96 00W	50	50	0012		VRS80		403
71934	FORT SMITH, N.W.T.	60 01N	111 56W	204	203	0012		VRS80		403
71945	FORT NELSON, B.C.	58 50N	122 36W	378	377	0012		VRS80		403
71957	INUVIK, N.W.T.	68 19N	133 32W	103	103	0012		VRS80		403
71964	WHITEHORSE, YUKON	60 43N	135 04W	703		0012		VRS80		403
Costa Rica										
78762	JUAN SANTAMARIA	10 00N	84 13W	939	920		12	VRS80 15G		403

UPDATES: WMO Catalogue of Radiosondes and Upper-air Wind systems in Use by Members

Index	GCOS	Ground	Geo ht calc	Radiation Corr.		WINDFINDING		Remarks	Date
No.	Y/N	Equipment	Auto/ Man	Yes/ No	Type	System/Method	Equipment		
Canada									
71043	N	DIGICORA II		Y	V93	GPS/VLF/LORAN	DIGICORA II	Winds being reported.	05.98
71072								Program discontinued 01/04/1997	05.98
71081	N	DIGICORA II		Y	V93	GPS/VLF/LORAN	DIGICORA II	Winds being reported.	05.98
71082	Y	DIGICORA II		Y	V93	GPS/VLF/LORAN	DIGICORA II	Winds being reported.	05.98
71109	N	DIGICORA II		Y	V93	GPS/VLF/LORAN	DIGICORA II	Updated using 31313	05.98
71119	N	DIGICORA II/W9000		Y	V93	GPS/VLF/LORAN	DIGICORA II	Updated using 31313	05.98
71600	N	DIGICORA II		Y	V93	GPS/VLF/LORAN	DIGICORA II	Updated using 31313	05.98
71603	N	W-9000		N		LORAN	W-9000		05.98
71701	N	DIGICORA		Y	V93	LORAN	DIGICORA + SPL	Added Jan 98, updated using 31313	01.98
71716	N	DIGICORA?		Y	V93	Unknown	?	Added Jan 98, no 31313	05.98
71722	N	DIGICORA II		Y	V93	GPS/VLF/LORAN	DIGICORA II	Updated using 31313	05.98
71801	N	W-9000		N		LORAN	W-9000		05.98
71811	N	DIGICORA II		Y	V93	GPS/VLF/LORAN	DIGICORA II	Updated using 31313	05.98
71815	N	DIGICORA II		Y	V93	LORAN	DIGICORA II	Program commenced 01/04/1998, updated using 31313	05.98
71816	Y	DIGICORA II		Y	V93	GPS/VLF/LORAN	DIGICORA II	Updated using 31313	05.98
71823	N	DIGICORA II		Y	V93	GPS/VLF/LORAN	DIGICORA II	Updated using 31313	05.98
71836	Y	W-9000		N		LORAN	W-9000		05.98
71845	N	W-9000		N		LORAN	W-9000		05.98
71866								Program moved to North Battleford Sask 01/04/1998	05.98
71867	N	W-9000		N		LORAN	W-9000		05.98
71876	N	W-9000		N		LORAN	W-9000	Program commeced 01/04/1998	05.98
71896	N	DIGICORA II		Y	V93	GPS/VLF/LORAN	DIGICORA II		07.98
71906	N	DIGICORA II		Y	V93	GPS/VLF/LORAN	DIGICORA II	Updated using 31313	05.98
71907	N	DIGICORA II		Y	V93	GPS/VLF/LORAN	DIGICORA II	Updated using 31313	05.98
71909	N	DIGICORA II		Y	V93	GPS/VLF	DIGICORA II	Winds being reported	05.98
71913	N	DIGICORA II		Y	V93	GPS/VLF/LORAN	DIGICORA II	Updated using 31313	05.98
71915	N	DIGICORA II		Y	V93	GPS/VLF/LORAN	DIGICORA II	Updated using 31313	05.98
71917	N	DIGICORA II		Y	V93	GPS/VLF	DIGICORA II	Winds being reported	05.98
71924	N	DIGICORA II		Y	V93	GPS/VLF	DIGICORA II	Winds being reported	05.98
71925	N	DIGICORA II		Y	V93	GPS/VLF	DIGICORA II	Winds being reported	05.98
71926	N	DIGICORA II		Y	V93	GPS/VLF/LORAN	DIGICORA II	Updated using 31313	05.98
71934	Y	DIGICORA II		Y	V93	GPS/VLF/LORAN	DIGICORA II	Updated using 31313	05.98
71945	N	DIGICORA II		Y	V93	GPS/VLF/LORAN	DIGICORA II	Winds being reported	05.98
71957	N	DIGICORA II		Y	V93	GPS/VLF	DIGICORA II	Winds being reported; Vaisala installed 01/10/1997	05.98
71964	N	DIGICORA II		Y	V93	GPS/VLF/LORAN	DIGICORA II	Winds being reported	05.98
Costa Rica									
78762	Y	DIGICORA MW 11	A	Y	V93	GPS	DIGICORA MW 11	GPS from 04/1998; updated using 31313	06.98

1.3 Publication No. 9

Volume A - Observing Stations

Index Number	Name	Position LAT.	Position LONG.	Elevation HP	Elevation H/HA	Pressure Level	SURFACE OBSERVATIONS 00	03	06	09	12	15	18	21	OBS.H OBS.S	Upper-air 00	06	12	18	OTHER OBSERVATIONS AND REMARKS
Region I - South Africa: Amendments																				
68174	PIETERSBURG	23 83S	29 42E	1224	1228	850HPA	X	X	X	X	X	X	X	.	H00-24	RW	.	.	.	
263	PRETORIA (IRENE)	25 92S	28 22E	1523	1523	950HPA	X	X	X	X	X	X	X	.	H00-24	RW	.	RW	.	OPTICAL THEODOLITE 1/4/98-30/9/98; NO WIND 1/4/98-30/9/98 12UTC
424	UPINGTON	28 42S	21 27E	839	851	850HPA	X	X	X	X	X	X	X	X	H00-24	RW	.	.	.	
461	BETHLEHEM	28 25S	28 33E	1678	1690	850HPA	X	X	X	X	X	X	X	X	H00-24	RW	.	.	.	
538	DE AAR	30 65S	24 00E	1287	1287	850HPA	X	X	X	X	X	X	X	.	H00-24	.	.	RW	.	NO WIND;OPTICAL THEODOLITE 1/4/98-30/9/98;
588	DURBAN	29 97S	30 95E	14	8		X	X	X	X	X	X	X	X	H03-20	RW	.	RW	.	NO WIND AT 12UTC;OPTICAL THEODOLITE 1/4/98-30/9/98;
816	CAPE TOWN	33 97S	18 60E	42	46		X	X	X	X	X	X	X	X	H00-24	RW	.	RW	.	NO WIND 1/10/98-31/3/99 12UTC; OPTICAL THEODOLITE 1/4798-31/3/99
842	PORT ELIZABETH	33 98S	25 62E	61	69		X	X	X	X	X	X	X	X	H00-24	RW	.	RW	.	A;CLIMAT(CT);METAR;SOLRA;SUNDUR;WN
442	BLOEMFONTEIN	29 10S	26 30E	1354	1359	850HPA	X	X	X	X	X	X	X	X	H00-24	.	.	RW	.	NO WIND;OPTICAL THEODOLITE 1/4/98-30/9/98
512	SPRINGBOK	29 67S	17 90E	1007	1006	850HPA	X	X	X	X	X	X	X	.	H00-24	RW	.	.	.	
Region II - China: Amendments																				
56959	JINGHONG	22 00N	100 47E	579			X	X	X	X	X	X	X	X		.	.	.	.	
Region II - Hong Kong, China (effective 5 July 1998, 1600 UTC): Amendments																				
45007	HONG KONG INTERNATIONAL AIRPORT	22 19N	113 55E	8	8		X	X	X	X	X	X	X	X	S00-24	.	.	.	.	A;METAR;SPECI
Region II - Japan: New:																				
Effective 18 July 1998																				
47583	ODATE-NOSHIRO AIRPORT	40 11N	140 23E	87	84		.	.	.	.	.	.	.	.	H23-10	.	.	.	.	A;METAR
Effective 25 July 1998																				
47810	SAGA AIRPORT	33 09N	130 18E	5	2		.	.	.	.	.	.	.	.	H00-10	.	.	.	.	A;METAR
Region II - Thailand: Amendments																				
48329	LAMPHUN	18 34N	99 02E	298	296		X	X	X	X	X	X	X	X		.	.	.	.	EVAP
Region IV - Canada: Amendments (effective 7 July 1998)																				
71908	PRINCE GEORGE UA	5354N	12248W	601	601		X	.	X	.	X	.	X	.	H00-24	RW	.	RW	.	A;CLIMAT(CT);RAD;SNOW;SUNDUR;WT
Region IV - Guadeloupe: New																				
78890	LA DESIRADE	16 20N	01 00W	33	33		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT;CLIMAT(C)
Region IV - Martinique: Amendments																				
78925	LE LAMENTIN	14 36N	61 00W	7	5		X	X	X	X	X	X	X	X	H00-24	.	.	P	.	A;AUT;CLIMAT(C);EVAP;M/B;METAR;RSD;SOILTEMP;SOLRA;SPECI;SUNDUR;SWELL;TOTRA

Index Number	Name	Position LAT.	Position LONG.	Elevation HP	Elevation H/HA	Pressure Level	SURFACE OBSERVATIONS 00	03	06	09	12	15	18	21	OBS.H OBS.S	Upper-air 00	06	12	18	OTHER OBSERVATIONS AND REMARKS
Region V - Australia: Amendments																				
94312	PORT HEDLAND AMO	20 22S	118 38E	9	10		01	04	07	10	13	16	19	22	S00-24	RW	.	RW	.	A;AUT;CLIMAT(CT);EVAP;SOILTEMP;METAR;ALL UPPER-AIR WIND DATA IS BY A GPS (GLOBAL POSITIONING SATELLITE) BASED SYSTEM
Region VI - Austria: Amendments																				
11001	WOLFSEGG	48 06N	13 40E	619	660		X+	X+	X	X+	X+	X+	X	X+		.	.	.	.	+AUT;PH;SUNDUR
008	ROHRBACH	48 34N	14 00E	602	600		X+	X+	X	X+	X	X+	X	X+		.	.	.	.	+AUT;PH
014	KOENIGSWIESEN	48 24N	14 50E	1)	608		.	.	.	.	.	.	.	.		.	.	.	.	
015	FREISTADT	48 30N	14 30E	548	549		X+	X+	X	X+	X+	X+	X	X+		.	.	.	.	+AUT;PH
018	AMSTETTEN	48 06N	14 54E	271	265		X	X	X	X	X	X	X	X		.	.	.	.	AUT
020	STIFT ZWETTL	48 37N	15 12E	506	505		X+	X+	X	X+	X+	X+	X	X+		.	.	.	.	+ AUT;SUNDUR
021	LITSCHAU	48 57N	15 02E	555	559		X+	X+	X	X	X	X	X	X+	___	.	.	.	.	AUT+;SUNDUR
022	RETZ	48 46N	15 57E	323	320		X+	X+	X	X	X	X	X	X+		.	.	.	.	+ AUT;METAR;PH;SUNDUR
024	JAUERLING	48 20N	15 20E	959	952	850HPA	X	X	X	X	X	X	X	X		.	.	.	.	AUT;M
028	ST. POELTEN	48 11N	15 37E	284	282		X+	X+	X	X	X	X	X	X+	H06-18	.	.	.	.	+ AUT;CLIMAT(C);METAR;PH
032	POYSDORF	48 40N	16 38E	207	202		X+	X+	X	X	X	X	X	X+		.	.	.	.	+ AUT;SUNDUR
035	WIEN/HOHE WARTE	48 14N	16 21E	209	203		X	X	X	X	X	X	X	X		.	.	.	.	AGRIMET;ATMEL;CLIMAT(C);EVAP;MAGNET;PH; SEISMO;SKYRA;SOILTEMP;SOLRA;SUNDUR;TOTRA
	WIEN/HOHE WARTE	48 14N	16 22E	200			.	.	.	.	.	.	.	.		RW	W	RW	W	CLIMAT(T);WR
037	GROSSENZERSDORF	48 12N	16 34E	153	157		.	.	.	.	.	.	.	.		.	.	.	.	AUT;AGRIMET;SKYRA;SOILTEMP;SOLRA;SUNDUR; TOTRA
055	SCHAERDING	48 28N	13 26E	318	314		X	X	X	X	X	X	X	X		.	.	.	.	AUT;SUNDUR
059	WELS/SCHLEISSHEIM	48 10N	14 04E	314	312		X	X	X	X	X	X	X	X		.	.	.	.	AUT;SUNDUR
060	LINZ/STADT	48 18N	14 17E	263	266		X	X	X	X	X	X	X	X		.	.	.	.	AUT;SUNDUR
075	LANGENLOIS	48 28N	15 42E	204	204		X	X	X	X	X	X	X	X	___	.	.	.	.	AUT;SUNDUR
078	LILIENFELD/TARSCHBERG	48 02N	15 35E	696	681		X+	X+	X	X	X	X	X	X+	___	.	.	.	.	AUT+;SUNDUR
082	GUMPOLDSKIRCHEN	48 02N	16 17E	223	218		X	X	X	X	X	X	X	X		.	.	.	.	AUT;SUNDUR
101	BREGENZ	47 30N	09 45E	439	424		X+	X+	X	X	X	X	X	X+	___	.	.	.	.	AUT+;PH;SUNDUR
105	FELDKIRCH	47 16N	09 37E	439	440		X+	X+	X	X	X+	X+	X+	X+		.	.	.	.	+ AUT;SUNDUR
112	LANDECK	47 08N	10 34E	806	798		X	X	X	X	X	X	X	X	___	.	.	.	.	AUT;SUNDUR
128	BRENNER	47 00N	11 31E	1447	1449	850HPA	X+	X+	X	X+	X+	X+	X	X+		.	.	.	.	+ AUT;SUNDUR
130	KUFSTEIN	47 35N	12 10E	493	493		X+	X+	X	X	X	X	X	X+	H07-16	.	.	.	.	+ AUT;METAR;SUNDUR;PH
135	HAHNENKAMM/ EHRENBACHHOEHE	47 25N	12 22E	1763	1790	850HPA	X+	X+	X	X+	X	X+	X	X+		.	.	.	.	+ AUT;M;MONT;SUNDUR
136	KRIMML	47 14N	12 11E	1009	1009	850HPA	X+	X+	X	X	X	X+	X	X+		.	.	.	.	+ AUT;SUNDUR
138	ALPINZENTRUM RUDOLFSHUETTE	47 08N	12 38E	2310	2304	700 HPA	X+	X+	X	X	X	X	X	X+		.	.	.	.	+ AUT;SUNDUR;M
141	BISCHOFSHOFEN	47 24N	13 13E	548	543		X+	X+	X	X	X	X	X	X+	___	.	.	.	.	AUT+
144	ZELL AM SEE	47 20N	12 48E	767	770		X	X	X	X	X	X	X	X	___	.	.	.	.	AUT;SUNDUR
146	SONNBLICK	47 03N	12 57E	3111	3105	700 HPA	.	.	X	X	X	X	X	.	H07-17	.	.	.	.	CLIMAT(C);M;METAR;MONT;SKYRA;SOILTEMP;SUNDUR; TOTRA

Index Number	Name	Position LAT.	Position LONG.	Elevation HP	Elevation H/HA	Pressure Level	SURFACE OBSERVATIONS 00	03	06	09	12	15	18	21	OBS.H OBS.S	Upper-air 00	06	12	18	OTHER OBSERVATIONS AND REMARKS
11147	RADSTADT	47 23N	13 27E	861	858		X+	X+	X	X+	X+	X+	X+	X+		.	.	.	.	+ AUT;SUNDUR
149	OBERTAUERN	47 15N	13 34E	1743	1763	850HPA	X	X	X	X	X	X	X	X		.	.	.	.	AUT;SUNDUR
152	MATTSEE	47 59N	13 06E	503	502		X	X	X	X	X	X	X	X	___	.	.	.	.	AUT;SUNDUR
154	GMUNDEN	47 54N	13 48E	428	426		X	X	X	X	X	X	X	X	___	.	.	.	.	AUT;SUNDUR
155	FEUERKOGEL	47 49N	13 43E	1621	1618	850 HPA	X+	X+	X	X	X	X	X	X+	H06-18	.	.	.	.	+ AUT;CLIMAT(C);M;METAR;MONT;SKYRA;SUNDUR
160	HIEFLAU	47 36N	14 45E	1)	492		.	.	.	.	.	.	.	.		.	.	.	.	_____
170	LUNZ	47 51N	15 04E	615	614		X+	X+	X	X	X	X	X	X+		.	.	.	.	AUT+;SUNDUR
174	ST MICHAEL/LEOBEN	47 20N	15 00E	572	580		X+	X+	X*	X+	X	X+	X+	X+	___	.	.	.	.	(X-III) AUT*;AUT+;ON 6,7 ONLY AUT
180	RAX/SEILBAHN-BERGSTATION	47 43N	15 47E	1554	1547	850HPA	X+	X+	X	X+	X	X+	X	X+	___	.	.	.	.	+ AUT;SUNDUR;M
185	MOENICHKIRCHEN	47 31N	16 02E	994	991	850HPA	X	X	X	X	X	X	X	X		.	.	.	.	AUT;SUNDUR
186	MOENICHKIRCHEN/OST	47 31N	16 03E	1)	940		.	.	.	.	.	.	.	.	H06-16*	.	.	.	.	METAR;OCC. 04-18**
190	EISENSTADT	47 51N	16 32E	192	184		X	X	X	X	X	X	X	X	___	.	.	.	.	SUNDUR
192	KLEINZICKEN	47 12N	16 20E	267	267		X+	X+	X*	X+	X	X+	X	X+		.	.	.	.	+ AUT;*AUT IV-X
194	NEUSIEDL	47 57N	16 51E	132	135		X	X	X	X	X	X	X	X		.	.	.	.	AUT
204	LIENZ	46 50N	12 49E	666	659		X	X	X	X	X	X	X	X	___	.	.	.	.	AUT;SUNDUR
213	VILLACH	46 37N	13 53E	494	494		X+	X+	X	X	X+	X+	X	X+		.	.	.	.	+AUT;SUNDUR
214	PREITENEGG	46 56N	14 55E	1035	1035		.	.	X	X	X	X	X	.	H07-17	.	.	.	.	M;METAR;MONT
219	NEUMARKTER SATTEL	47 07N	14 24E	1)	1125		.	.	.	.	.	.	.	.	H06-16*	.	.	.	.	METAR;OCC. 05-17*
229	ST. ANDRAE IL	46 46N	14 50E	404	402		.	.	.	.	.	.	.	.		.	.	.	.	AUT;SUNDUR
234	EISENKAPPEL	46 30N	14 36E	620	623		.	.	.	.	.	.	.	.		.	.	.	.	AUT;SUNDUR
241	SCHOECKL	47 12N	15 28E	1442	1445	850 HPA	X+	X+	X+	X	X	X+	X+	X+		.	.	.	.	+ AUT;M;MONT;SUNDUR
252	VIRGEN	47 00N	12 27E	1190	1198	850 HPA	X+	X+	X	X	X	X+	X+	X+	___	.	.	.	.	+ AUT;SUNDUR
255	KOETSCHACH-MAUTHEN	46 41N	13 00E	711	709		X	X	X	X	X	X	X	X	___	.	.	.	.	AUT;SUNDUR
260	MALLNITZ-BAD	46 59N	13 10E	1198	1196	850 HPA	.	.	.	.	.	.	.	.	___	.	.	.	.	AUT;SUNDUR
261	OBERVELLACH	46 56N	13 13E	809	808		X	X	X	X	X	X	X	X		.	.	.	.	AUT;SUNDUR
263	WEISSENSEE/GATSCHACH	46 43N	13 17E	954	945	850 HPA	.	.	.	.	.	.	.	.		.	.	.	.	AUT;SUNDUR
270	DELLACH IM DRAUTAL	46 44N	13 05E	625	628		X	X	X	X	X	X	X	X	___	.	.	.	.	AUT;SUNDUR
275	ARRIACH	46 44N	13 51E	1)	896		X	X	X	X	X	X	X	X	___	.	.	.	.	AUT;SUNDUR
280	MURAU	47 07N	14 11E	813	814		X	X	X	X	X	X	X	X	___	.	.	.	.	AUT;SUNDUR
290	GRAZ UNIVERSITAET	47 05N	15 27E	378	366		.	.	.	.	.	.	.	.		.	.	.	.	AUT;SUNDUR
292	LASSNITZHOEHE	47 04N	15 35E	533	531		X	X	X	X	X	X	X	X	___	.	.	.	.	AUT;SUNDUR
302	DORNBIRN	47 26N	09 44E	411	410		X	X	X	X	X	X	X	X		.	.	.	.	AUT;SUNDUR
308	WARTH	47 15N	10 11E	1471	1475	850 HPA	X	X	X	X	X	X	X	X	___	.	.	.	.	AUT;SUNDUR
310	ISCHGL/IDALPE	46 59N	10 19E	2319	2323	700 HPA	X	X	X	X	X	X	X	X	___	.	.	.	.	AUT;SUNDUR
340	SCHMITTENHOEHE	47 20N	12 44E	1953	1973	850 HPA	X	X	X	X	X	X	X	X		.	.	.	.	AUT;SUNDUR
345	ST VEIT IM PONGAU	47 20N	13 09E	750	750		.	.	.	.	.	.	.	.		.	.	.	.	AUT
346	RAURIS	47 13N	13 00E	935	930	850 HPA	X	X	X	X	X	X	X	X		.	.	.	.	AUT;SUNDUR
348	MARIAPFARR	47 09N	13 45E	1151	1151	850 HPA	X	X	X	X	X	X	X	X	___	.	.	.	.	AUT;SUNDUR
350	SALZBURG/FREISAAL	47 47N	13 03E	423	420		X	X	X	X	X	X	X	X		.	.	.	.	AUT;SUNDUR
351	RAMSAU/DACHSTEIN	47 26N	13 38E	1209	1203	850 HPA	X	X	X	X	X	X	X	X	___	.	.	.	.	AUT;SUNDUR
355	WINDISCHGARSTEN	47 44N	14 20E	614	596		X	X	X	X	X	X	X	X		.	.	.	.	AUT;SUNDUR
356	BAD AUSSEE	47 37N	13 47E	664	670		X	X	X	X	X	X	X	X		.	.	.	.	AUT;SUNDUR
357	ST. WOLFGANG	47 44N	13 27E	537	537		X	X	X	X	X	X	X	X		.	.	.	.	AUT;SUNDUR

Index Number	Name	Position LAT.	Position LONG.	Elevation HP	Elevation H/HA	Pressure Level	SURFACE OBSERVATIONS 00	03	06	09	12	15	18	21	OBS.H OBS.S	Upper-air 00	06	12	18	OTHER OBSERVATIONS AND REMARKS
11358	BAD MITTERNDORF	47 33N	13 56E	803	808		X	X	X	X	X	X	X	X		.	.	.	.	AUT;SUNDUR
360	IRDNING/GUMPENSTEIN	47 30N	14 06E	707	702		.	.	.	.	.	.	.	.		.	.	.	.	AUT
365	ZELTWEG/AUTOM STAT	47 12N	14 46E	682	669		.	.	.	.	.	.	.	.		.	.	.	.	AUT;SUNDUR
375	AFLENZ	47 33N	15 14E	774	784		.	.	.	.	.	.	.	.		.	.	.	.	AUT;SUNDUR
380	REICHENAU/RAX	47 42N	15 50E	486	486		X	X	X	X	X	X	X	X		.	.	.	.	AUT;SUNDUR
382	PUCHBERG	47 47N	15 54E	582	580		X	X	X*	X	X	X	X	X		.	.	.	.	AUT;*AUT IV-X
384	HIRSCHENKOGEL	47 37N	15 50E	1319	1318	850 HPA	X	X	X	X	X	X	X	X		.	.	.	.	AUT;SUNDUR
385	HOHE WAND/ HOCHKOGELHAUS	47 49N	16 02E	939	941	850 HPA	X+	X+	X	X+	X	X+	X	X+		.	.	.	.	AUT+;SUNDUR

1) Station without barometer

Region VI - Austria: New

Index Number	Name	Position LAT.	Position LONG.	Elevation HP	Elevation H/HA	Pressure Level	SURFACE OBSERVATIONS 00	03	06	09	12	15	18	21	OBS.H OBS.S	Upper-air 00	06	12	18	OTHER OBSERVATIONS AND REMARKS
11040	WIEN/UNTERLAA	48 08N	16 25E	199	200		X	X	X	X	X	X	X	X		.	.	.	.	AUT
053	RIED IM INNKREIS	48 13N	13 29E	431	431		X+	X+	X	X	X	X+	X	X+		.	.	.	.	AUT
070	KREMS	48 25N	15 37E	204	204		X	X	X	X	X	X	X	X		.	.	.	.	AUT
080	WIEN/MARIABRUNN	48 12N	16 14E	227	227		.	.	.	.	.	.	.	.		.	.	.	.	AUT
085	ZWERNDORF-MARCHEGG	48 20N	16 50E	146	146		.	.	.	.	.	.	.	.		.	.	.	.	AUT
119	SEEFELD	47 20N	11 11E	1182	1182	850HPA	.	.	.	.	.	.	.	.		.	.	.	.	AUT
142	ST JOHANN/PONGAU	47 19N	13 11E	647	634		.	.	X	X	X	X	X	.	H06-18*	.	.	.	.	METAR;OCC. 05-18*
201	SILLIAN	46 45N	12 25E	1081	1080	850HPA	.	.	.	.	.	.	.	.		.	.	.	.	AUT
220	NEUMARKT	47 04N	14 25E	870	870		.	.	.	.	.	.	.	.		.	.	.	.	AUT
227	FELDKIRCHEN	46 43N	14 06E	551	543		.	.	.	.	.	.	.	.		.	.	.	.	AUT
265	VILLACHER ALPE AUT	46 36N	13 40E	2157	2164	850HPA	X	X	X	X	X	X	X	X		.	.	.	.	AUT
272	SPITTAL/DRAU	46 47N	13 29E	542	542		.	.	.	.	.	.	.	.		.	.	.	.	AUT
278	POERTSCHACH	46 38N	14 10E	453	452		.	.	.	.	.	.	.	.		.	.	.	.	AUT
285	DEUTSCHLANDSBERG	46 49N	15 14E	355	354		.	.	.	.	.	.	.	.		.	.	.	.	AUT
295	LEIBNITZ	46 47N	15 33E	272	271		X*	X*	X+	X+	X+	X*	X*	X*		.	.	.	.	*AUT; +AUT OR COMPLETE OBS
301	ALBERSCHWENDE	47 27N	09 51E	719	721		.	.	.	.	.	.	.	.		.	.	.	.	AUT
305	LATSCHAU/TSCHAGGUNS	47 04N	09 52E	1004	1006	850 HPA	.	.	.	.	.	.	.	.		.	.	.	.	AUT
312	GALTUER	46 58N	10 11E	1584	1587	850 HPA	.	.	.	.	.	.	.	.		.	.	.	.	AUT
314	REUTTE -AUTOM	47 30N	10 44E	852	850		.	.	.	.	.	.	.	.		.	.	.	.	AUT
325	JENBACH	47 23N	11 45E	539	530		.	.	.	.	.	.	.	.		.	.	.	.	AUT
337	LOFERER ALM	47 36N	12 39E	1626	1623	850 HPA	.	.	.	.	.	.	.	.		.	.	.	.	AUT
342	BAD GASTEIN/BOECKSTEIN	47 06N	13 07E	1)	1100		.	.	X	X*	.	.	X	.		.	.	.	.	*NOT IV-X
343	SONNBLICK - AUTOM	47 03N	12 57E	3111	3105	700 HPA	X	X	X	X	X	X	X	X		.	.	.	.	AUT
354	BAD GOISERN	47 38N	13 37E	503	502		X	X	X	X	X	X	X	X		.	.	.	.	AUT
362	KALWANG	47 25N	14 46E	744	742		.	.	.	.	.	.	.	.		.	.	.	.	AUT
370	KAPFENBERG	47 27N	15 18E	505	505		X+	X+	X*	X*	X*	X*	X*	X+	H06-18*	.	.	.	.	+AUT; *AUT OR COMPLETE OBS.
378	GUTENSTEIN-MARIAHILFBERG	47 52N	15 53E	709	709		.	.	.	.	.	.	.	.		.	.	.	.	AUT
390	HARTBERG	47 17N	15 59E	335	330		.	.	.	.	.	.	.	.		.	.	.	.	AUT
393	LUTZMANNSBURG	47 28N	16 40E	199	201		.	.	.	.	.	.	.	.		.	.	.	.	AUT
395	ANDAU	47 46N	17 02E	122	122		.	.	.	.	.	.	.	.		.	.	.	.	AUT

1) Station without barometer

Index Number	Name	Position LAT.	Position LONG.	Elevation HP	Elevation H/HA	Pressure Level	SURFACE OBSERVATIONS 00	03	06	09	12	15	18	21	OBS.H OBS.S	Upper-air 00	06	12	18	OTHER OBSERVATIONS AND REMARKS
Region VI - Austria: Deleted																				
11003	RIED IM INNKREIS																			
145	BAD GASTEIN																			
Region VI - France: Amendments																				
07002	BOULOGNE	50 44N	01 36E	74	70		X+	X+	X	X	X	X+	X+	X		.	.	.	.	C;SEA;AUT+
003	LE TOUQUET	50 31N	01 37E	13	5		X+	X+	X+	X	X	X	X+	X+		.	.	.	.	A;AUT+;METAR;SOILTEMP;SPECI;SUNDUR
005	ABBEVILLE	50 08N	01 50E	77	70		X+	X+	X	X	X	X	X	X+	H00-24	.	.	.	.	A;AUT+;EVAP;SOILTEMP;SUNDUR
010	DUNKERQUE	51 03N	02 20E	17	11		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	C;SEA
015	LILLE	50 34N	03 06E	52	47		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;EVAP;METAR;SOILTEMP;SPECI
017	CAMBRAI	50 13N	03 09E	77	77		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;METAR;SOILTEMP;SPECI
020	LA HAGUE	49 43N	01 56W	12	3		.	.	X	X	X	X	.	.		.	.	.	.	AUT;C;SEA
027	CAEN	49 11N	00 27W	67	64		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;EVAP;METAR;SOILTEMP;SPECI;SUNDUR
028	LA HEVE	49 30N	00 04E	103	100		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT;C;SEA
029	PORT EN BESSIN	49 21N	00 46W	73	73		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT;C;SEA
031	DEAUVILLE	49 22N	00 10E	147	146		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	A;AUT+;EVAP
037	ROUEN	49 23N	01 11E	157	151		X+	X+	X	X	X	X	X	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SPECI;SUNDUR
038	EVREUX	49 01N	01 13E	138	132		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SUNDUR
040	DIEPPE	49 56N	01 06E	38	33		X	X	X	X	X	X	X	X		.	.	.	.	AUT;C;SEA
055	BEAUVAIS	49 28N	02 07E	111	106		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SPECI;SUNDUR
061	SAINT-QUENTIN	49 49N	03 12E	101	98		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;METAR
070	REIMS	49 18N	04 02E	91	91		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;EVAP;METAR;RAD;SOILTEMP;SPECI;SUNDUR
075	CHARLEVILLE	49 47N	04 38E	148	149		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;METAR;SOILTEMP;SUNDUR
090	METZ/FRESCATY	49 05N	06 08E	192	190		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SUNDUR
100	OUESSANT	48 29N	05 03W	68	59		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT;C;SEA
103	POINTE DU RAZ	48 02N	04 44W	89	72		X	X	X	X	X	X	X	X		.	.	.	.	AUT;C;SEA
107	BRIGNOGAN	48 41N	04 20W	28	10		X	X	X	X	X	X	X	X		.	.	.	.	AUT;C;SEA
109	LAVEOC POULMIC	48 17N	04 26W	83	80		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;METAR;SPECI
110	BREST	48 27N	04 25W	99	96		X	X	X	X	X	X	X	X	H00-24	RW	.	RW	.	A;AUT;CLIMAT(CT);EVAP;METAR;RSD;SOILTEMP;SPECI
117	PLOUMANAC'H	48 50N	03 28W	71	63		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT;C;SEA
120	SAINT-BRIEUC /TREMUSON	48 32N	02 51W	139	136		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;SOILTEMP;SUNDUR
125	DINARD	48 35N	02 04W	59	58		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	A;AUT+
127	GROUIN DE CANCALE	48 43N	01 51W	46	40		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+
130	RENNES	48 04N	01 44W	43	35		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;METAR;SPECI
134	LAVAL	48 02N	00 44W	97	96		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	AUT+
139	ALENCON	48 26N	00 06E	144	144		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SPECI;SUNDUR
140	CHATEAUDUN	48 04N	01 23E	127	126		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;METAR
143	CHARTRES	48 28N	01 30E	156	155		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SPECI;SUNDUR
145	TRAPPES	48 46N	02 00E	168	167		X	X	X	X	X	X	X	X	H00-24	RW	.	RW	.	A;AUT;RSD
149	PARIS-ORLY	48 43N	02 23E	90	89		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;METAR;SPECI
150	LE BOURGET	48 58N	02 26E	51	51		X+	X+	X	X	X	X	X	X+		.	.	.	.	A;AUT+;METAR;SOILTEMP;SPECI;SUNDUR

Index Number	Name	Position LAT.	Position LONG.	Elevation HP	Elevation H/HA	Pressure Level	SURFACE OBSERVATIONS 00	03	06	09	12	15	18	21	OBS.H OBS.S	Upper-air 00	06	12	18	OTHER OBSERVATIONS AND REMARKS
07153	MELUN	48 37N	02 41E	91	91		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;METAR;SOILTEMP;SPECI;SUNDUR
156	PARIS-MONTSOURIS	48 49N	02 20E	77	75		X+	X+	X	X	X	X	X+	X+		.	.	.	.	AUT+;EVAP;SOILTEMP;SUNDUR
157	PARIS - AEROPORT CHARLES DE GAULLE	49 01N	02 32E	109	109		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;METAR;SOILTEMP;SPECI
168	TROYES	48 20N	04 01E	118	112		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SUNDUR
169	SAINT-DIZIER	48 38N	04 54E	140	139		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;EVAP;METAR;SOILTEMP;SPECI;SUNDUR
173	EPINAL	48 12N	06 26E	320	317		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	AUT+;SOILTEMP;SUNDUR
180	NANCY-ESSEY	48 41N	06 13E	212	229		X	X	X	X	X	X	X	X	H00-24	RW	.	RW	.	A;AUT;EVAP;METAR;SOILTEMP;SUNDUR
181	NANCY-OCHEY	48 35N	05 58E	351	336		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;METAR
182	RECHICOURT	48 43N	06 35E		297		.	.	.	.	.	.	.	.		.	.	.	.	RSD
190	STRASBOURG-ENTZHEIM	48 33N	07 38E	153	153		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;EVAP;METAR;SOILTEMP;SUNDUR
197	COLMAR	47 55N	07 24E	217	208		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SUNDUR
200	PENMARC'H	47 48N	04 22W	22	17		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT;C;SEA
201	QUIMPER	47 58N	04 10W	94	92		X+	X+	X	X+	X	X+	X+	X+		.	.	.	.	A;AUT+;METAR
203	BEG MELEN	47 39N	03 30W	54	42		.	.	X	X	X	X	X	.		.	.	.	.	AUT;C;SEA
205	LANN BIHOUE	47 46N	03 21W	42	42		X+	X	X	X	X	X	X	X		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SPECI;SUNDUR
207	PTE DU TALUT	47 18N	03 10W	43	37		X	X	X	X	X	X	X	X		.	.	.	.	AUT;C;SEA
210	VANNES	47 38N	02 45W	11	11		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	AUT+;SOILTEMP;SUNDUR
217	SAINT-NAZAIRE	47 19N	02 10W	3	3		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+; EXCEPT SUNDAYS & HOLIDAYS
222	NANTES	47 09	01 36W	27	26		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;EVAP;METAR;SOILTEMP;SPECI;SUNDUR
230	ANGERS	47 30N	00 35W	58	56		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;METAR;SPECI;SOILTEMP;SUNDUR;EVAP
235	LE MANS	47 56N	00 12E	52	51		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SPECI;SUNDUR
240	TOURS	47 27N	00 44E	112	106		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;EVAP;METAR;SOILTEMP;SPECI;SUNDUR; TOTRA
247	ROMORANTIN	47 18N	01 41E	86	81		X+	X+	X	X	X	X	X+	X+	H00-24	.	.	.	.	A;AUT+;METAR
249	ORLEANS	47 59N	01 47E	125	125		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SPECI;SUNDUR
255	BOURGES	47 03N	02 22E	166	173		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;EVAP;METAR;RSD;SOILTEMP;SPECI;SUNDUR
257	AVORD	47 03N	02 39E	181	175		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;METAR;SPECI
260	NEVERS	47 00N	03 06E	178	175		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP
265	AUXERRE	47 48N	03 33E	212	207		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;SOILTEMP;SUNDUR
280	DIJON	47 16N	05 05E	227	222		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;METAR;SOILTEMP;SPECI;SUNDUR;
283	LANGRES	47 51N	05 20E	464	463		X+	X+	X	X	X	X	X+	X+		.	.	.	.	AUT+
288	BESANCON	47 15N	05 59E	310	310		X+	X+	X	X	X	X	X	X+		.	.	.	.	AUT+;EVAP;SOILTEMP;SUNDUR
292	LUXEUIL	47 47N	06 21E	273	278		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;METAR
295	BELFORT	47 38N	06 52E	423	423		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	AUT+;SOILTEMP
299	BALE-MULHOUSE	47 36N	07 31E	271	269		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;METAR;SOILTEMP;SPECI
300	SAINT-SAUVEUR	46 42N	02 20W	32	32		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT;C;SEA
306	LA ROCHE-SUR-YON	46 42N	01 03W	90	90		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SUNDUR
314	CHASSIRON	46 03N	01 25W	22	11		X*	X+	X	X	X	X	X	X	H00-24	.	.	.	.	AUT+;C;SEA
315	LA ROCHELLE	46 09N	01 09W	10	4		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;SOILTEMP;SUNDUR
330	NIORT	46 19N	00 24W	61	59		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SUNDUR
335	POITIERS	46 35N	00 18E	120	117		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SUNDUR

Index Number	Name	Position LAT.	Position LONG.	Elevation HP	Elevation H/HA	Pressure Level	SURFACE OBSERVATIONS 00	03	06	09	12	15	18	21	OBS.H OBS.S	Upper-air 00	06	12	18	OTHER OBSERVATIONS AND REMARKS
07354	CHATEAUROUX	46 52N	01 43E	157	161		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SPECI;SUNDUR
360	GUERET	46 10N	01 52E	551	549		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SUNDUR
374	VICHY	46 10N	03 24E	251	249		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SUNDUR
379	SAINT-YAN	46 25N	04 01E	244	242		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;METAR
385	MACON	46 18N	04 48E	217	216		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	A;AUT+;EVAP;SOILTEMP;SUNDUR
390	LONS-LE-SAUNIER	46 41N	05 31E	279	280		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	AUT+;SOILTEMP;SUNDUR
412	COGNAC	45 40N	00 19W	31	30		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SUNDUR
434	LIMOGES	45 52N	01 11E	402	402		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;EVAP;METAR;SOILTEMP;SUNDUR
438	BRIVE	45 09N	01 28E	117	111		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SUNDUR
460	CLERMONT-FERRAND	45 47N	03 10E	330	329		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;EVAP;METAR;SOILTEMP;SPECI;SUNDUR
471	LE PUY	45 05N	03 46E	833	832		X+	X+	X	X	X	X	X	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SUNDUR
475	ST-ETIENNE BOUTHEON	45 32N	04 18E	402	400		X+	X+	X	X	X	X	X	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SUNDUR
480	LYON-BRON	45 43N	04 57E	208	200		X+	X+	X	X	X	X	X+	X		.	.	.	.	A;AUT+;METAR
481	LYON-SATOLAS	45 44N	05 05E	240	235		X	X	X	X	X	X	X	X		RW	.	RW	.	A;AUT;METAR;SPECI;RSD
482	AMBERIEU	45 59N	05 20E	257	253		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SUNDUR
486	GRENOBLE-ST-GEOIRS	45 22N	05 20E	386	384		X+	X+	X	X	X	X	X	X+		.	.	.	.	A;AUT+;METAR
491	CHAMBERY/AIX-LES-BAINS	45 38N	05 52E	235	235		X+	X+	X	X	X	X	X	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SUNDUR
497	BOURG SAINT-MAURICE	45 37N	06 46E	868	865	850 HPA	X+	X+	X	X	X	X	X	X+		.	.	.	.	AUT+
500	CAP FERRET	44 38N	01 15W	10	9		X+	X	X	X	X	X	X	X	H00-24	.	.	.	.	C;AUT+;SEA
503	BISCAROSSE	44 26N	01 15W	39	33		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;METAR
510	BORDEAUX MERIGNAC	44 50N	00 41W	61	47		X	X	X	X	X	X	X	X	H00-24	RW	.	RW	.	A;AUT;METAR;RSD;SPECI
524	AGEN	44 11N	00 36E	60	59		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SPECI;SUNDUR
530	BERGERAC	44 49N	00 31E	51	51		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SUNDUR
535	GOURDON	44 45N	01 24E	264	259		X+	X+	X	X	X	X	X+	X+		.	.	.	.	AUT+;BAPMON;EVAP;SOILTEMP;SUNDUR
549	AURILLAC	44 53N	02 25E	640	638		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;METAR
554	MENDE	44 30N	03 32E	1022	1019	850 HPA	X+	X+	X+	X	X	X	X+	X+		.	.	.	.	AUT+;EVAP;SOILTEMP;SUNDUR
558	MILLAU	44 07N	03 01E	720	715		X+	X+	X	X	X	X	X+	X+		.	.	.	.	AUT+
560	MONT AIGOUAL	44 07N	03 35E	1565	1567	850 HPA	X+	X	X	X	X	X	X	X+		.	.	.	.	AUT+
577	MONTELIMAR	44 35N	04 44E	74	73		X+	X+	X	X	X	X	X+	X+	H00-24	.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SUNDUR
579	ORANGE	44 08N	04 50E	55	53		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;METAR
586	CARPENTRAS	44 05N	05 03E	105	99		X	X	X	X	X	X	X	X		.	.	.	.	AUT;EVAP;SOILTEMP;SUNDUR
587	LUS-LA-CROIX-HAUTE	44 41N	05 43E	85	80		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	AUT+;SOILTEMP;SUNDUR
588	ST-AUBAN-SUR-DURANCE	44 04N	06 00E	461	457		X	X	X	X	X	X	X	X		.	.	.	.	A;AUT;EVAP;METAR;SOILTEMP;SUNDUR
591	EMBRUN	44 34N	06 30E	876	871	850 HPA	X+	X+	X+	X+	X+	X+	X+	X+	H00-24	.	.	.	.	AUT+;EVAP;SOILTEMP;SUNDUR
600	SOCOA	43 24N	01 41E	25	24		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	C;AUT;SEA
602	BIARRITZ	43 28N	01 32W	71	69		X+	X+	X	X	X	X	X	X+		.	.	.	.	A;AUT+;METAR
603	DAX	43 41N	01 04W	33	31		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;METAR
610	PAU	43 23N	00 25W	185	183		X+	X+	X	X	X	X	X	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SUNDUR
621	TARBES-OSSUN	43 11N	00 00	363	360		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;EVAP;METAR;SOILTEMP;SUNDUR
622	AUCH	43 41N	00 36E	128	121		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SUNDUR
627	SAINT GIRONS	43 00N	01 06E	412	411		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SUNDUR
630	TOULOUSE BLAGNAC	43 38N	01 22E	154	151		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;EVAP;METAR;SOILTEMP;SUNDUR

Index Number	Name	Position LAT.	Position LONG.	Elevation HP	Elevation H/HA	Pressure Level	SURFACE OBSERVATIONS 00	03	06	09	12	15	18	21	OBS.H OBS.S	Upper-air 00	06	12	18	OTHER OBSERVATIONS AND REMARKS
07631	TOULOUSE FRANCAZAL	43 32N	01 22E	166	164		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;METAR
632	ALBI	43 55N	02 07E	176	172		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SUNDUR
635	CARCASSONNE	43 13N	02 19E	130	126		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SUNDUR
641	SETE	43 24N	03 41E	85	80		.	.	.	.	.	.	.	.		.	.	.	.	AUT;C;SEA
643	MONTPELLIER	43 35N	03 58E	8	3		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;EVAP;METAR;SOILTEMP;SPECI;SUNDUR
645	NIMES-COURBESSAC	43 52N	04 24E	62	59		X	X	X	X	X	X	X	X	H00-24	RW	.	RW	.	A;AUT;EVAP;METAR;SOILTEMP;SUNDUR
647	ISTRES	43 31N	04 56E	24	23		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT
648	SALON	43 36N	05 06E	60	59		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT
650	MARIGNANE	43 27N	05 14E	32	6		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;EVAP;METAR;SOILTEMP;SUNDUR
657	APT	44 03N	05 30E	837	827	850 HPA	.	.	.	X	X	X	.	.		.	.	.	.	A;AUT;METAR
660	TOULON	43 06N	05 56E	25	24		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;SOILTEMP;SUNDUR
661	CAP CEPET	43 05N	05 56E	136	126		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT;C;SEA
667	HYERES	43 06N	06 09E	4	2		X+	X	X	X	X	X	X	X+		.	.	.	.	A;AUT+;METAR
675	LE LUC	43 23N	06 23E	82	80		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;METAR
680	SAINT RAPHAEL	43 25N	06 45E	6	2		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	AUT+
684	CANNES	43 33N	06 57E	8	4		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	A;AUT+
690	NICE	43 39N	07 12E	6	4		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;EVAP;METAR;SOILTEMP;SUNDUR
695	CAP FERRAT	43 41N	07 20E		138		.	.	.	.	.	.	.	.		.	.	.	.	AUT;C;SEA
747	PERPIGNAN	42 44N	02 52E	47	42		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;EVAP;METAR;SOILTEMP;SUNDUR
749	CAP BEAR	42 31N	03 08E	86	82		.	.	.	.	.	.	.	.		.	.	.	.	AUT;C;SEA
753	ILE ROUSSE	42 38N	08 55E	153	145		.	.	.	.	.	.	.	.		.	.	.	.	AUT;C;SEA
754	CALVI	42 32N	08 48E	58	58		.	.	X	X	X	.	.	.		.	.	.	.	A;AUT;METAR
761	AJACCIO	41 55N	08 48E	9	5		X	X	X	X	X	X	X	X	H00-24	RW	.	RW	.	A;AUT;EVAP;METAR;SOILTEMP;SUNDUR
765	SOLENZARA	41 55N	09 24E	22	17		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;METAR
770	CAPE PERTUSATO	41 22N	09 10E	110	105		.	.	.	.	.	.	.	.		.	.	.	.	A;AUT;SEA
780	FIGARI	41 30N	09 06E	23	22		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;METAR
785	CAP CORSE	43 00N	09 22E	111	109		.	.	.	.	.	.	.	.		.	.	.	.	AUT;C;SEA
790	BASTIA	42 33N	09 29E	12	10		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;EVAP;METAR;SOILTEMP;SUNDUR

Region VI - France: Deleted

07034 CARTERET
039 VALOGNES
106 LANDIVISIAU
116 ILE DE BATZ
133 POINTE DU ROC
146 TOUSSUS LE NOBLE
147 VILLACOUBLAY
148 BRETIGNY
172 LOXEVILLE
179 TOUL/ROSIERES
394 MORBIER
400 LA COUBRE
428 PERIGUEUX

Index Number	Name	Position LAT.	Position LONG.	Elevation HP	Elevation H/HA	Pressure Level	SURFACE OBSERVATIONS 00	03	06	09	12	15	18	21	OBS.H OBS.S	Upper-air 00	06	12	18	OTHER OBSERVATIONS AND REMARKS
07496	MODANE AVRIEUX																			
502	CAZAUX																			
552	RODEZ																			
593	BRIANCON																			
607	MONT-DE-MARSAN																			
646	NIMES/GARONS																			
649	AIX LES MILLES																			
652	CAP POMEGUES																			
653	CAP COURONNE																			
656	BEC DE L'AIGLE																			
670	PORQUEROLLES																			
677	CAP CAMARAT																			
678	TOULON/ILE DU LEVANT																			
688	LA GAROUPE																			
738	LES ESCALDES																			
740	STE LEOCADIE																			
768	LA CHIAPPA																			
791	CAP SAGRO																			
Region VI - France: New																				
07024	MAUPERTUS	49 39N	01 28W	138	139		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	A;AUT+
041	VALOGNES	49 31N	01 30W	61	61		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	A;AUT+;METAR;SOILTEMP;SUNDUR
046	LE HAVRE-OCTEVILLE	49 32N	00 05E	94	95		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	A;AUT+;SUNDUR
053	CORMEILLES	49 05N	02 02E	100	98		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	A;AUT+
118	LANNION	48 45N	03 28W	87	87		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	A;AUT+
119	ROSTRENEN	48 14N	03 18W		262		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	AUT+;SOILTEMP;SUNDUR
129	FALAISE	48 55N	00 08W		166		.	.	.	.	.	.	.	.		.	.	.	.	A;RSD
154	PARIS ST-MAUR	48 48N	02 30E		50		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	AUT+
167	ARCIS SUR AUBE	48 27N	04 18E		166		.	.	.	.	.	.	.	.		.	.	.	.	RSD
171	MONTFAUCON	48 46N	05 09E		279		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	AUT+
186	PHALSBOURG	48 46N	07 18E		377		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	AUT+
216	CHEMOULIN	47 14N	02 18W	20	17		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT;C;SEA
223	TREILLIERES	47 20N	01 39W		80		.	.	.	.	.	.	.	.		.	.	.	.	RSD
245	BLOIS	47 34N	01 19E	125	121		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	AUT+;SOILTEMP;SUNDUR
270	CHATEAU-CHINON	47 04N	03 56E		598		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	AUT+;SOILTEMP;SUNDUR
276	CHATILLON/SEINE	47 51N	04 35E		263		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	AUT+;SOILTEMP;SUNDUR
381	SAINT NIZIER	46 04N	04 27E		917		.	.	.	.	.	.	.	.		.	.	.	.	RSD
386	DOLE-TAVAUX	47 02N	05 25E	195	196		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	A;AUT+
436	GREZES	45 06N	01 22E		361		.	.	.	.	.	.	.	.		.	.	.	.	RSD
461	SEMBADEL	45 17N	03 43E		1143		.	.	.	.	.	.	.	.		.	.	.	.	RSD
477	LES SAUVAGES	45 56N	04 23E		720		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	AUT+
499	CHAMONIX	45 55N	06 52E		1050	850 HPA	X+	X+	X	X	X	X	X+	X+		.	.	.	.	AUT+;SOILTEMP
540	MONTAUBAN	44 02N	01 23E	108	107		X+	X+	X	X	X	X	X+	X+		.	.	.	.	A;AUT+;EVAP;METAR;SOILTEMP;SUNDUR

Index Number	Name	Position LAT.	Position LONG.	Elevation HP	Elevation H/HA	Pressure Level	SURFACE OBSERVATIONS 00	03	06	09	12	15	18	21	OBS.H OBS.S	Upper-air 00	06	12	18	OTHER OBSERVATIONS AND REMARKS
07569	BOLLENE	44 19N	04 46E		372		.	.	.	.	.	.	.	.		.	.	.	.	RSD
570	AUBENAS	44 32N	04 22E	280	280		X+	X+	X+	X+	X+	X+	X+	X+		.	.	.	.	AUT+;SOILTEMP;SUNDUR
609	MONT-DE-MARSAN	43 55N	00 30W	60	59		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;AUT;EVAP;METAR;SOILTEMP;SUNDUR
629	TOULOUSE RADAR	43 35N	01 23E		187		.	.	.	.	.	.	.	.		.	.	.	.	RSD
658	NIMES MANDUEL	43 48N	04 30E		77		.	.	.	.	.	.	.	.		.	.	.	.	RSD
666	LEUCATE	42 56N	03 03E		45		.	.	.	.	.	.	.	.		.	.	.	.	AUT;C;SEA
775	ALISTRO	42 16N	09 32E	77	65		.	.	.	.	.	.	.	.		.	.	.	.	AUT;C;SEA
Region VI - Gibraltar: Amendments																				
08495	GIBRALTAR	36 09N	05 21W		5		X	X	X	X	X	X	X	X	H00-24 S06-18	.	.	.	.	A;C;CLIMAT(C);RADSAMP;SUNDUR;TIDE;SEMI-AUT
	GIBRALTAR	36 09N	05 21W	4	3		.	.	.	.	.	.	.	.		RW	.	RW	.	CLIMAT(T);SFERIC;WR
Region VI - Norway: Amendments																				
01400	EKOFISK	56 32N	03 13E		29		X	X	X	X	X	X	X	X		RW	.	RW	.	FIXED PLATFORM NORTH SEA
Region VI - Norway: New																				
01300	GULLFAKS C	61 12N	02 16E		78		X	X	X	X	X	X	X	X		.	.	.	.	
01401	FRIGG	59 59N	02 15E		48		X	X	X	X	X	X	X	X		.	.	.	.	
Region VI - Sweden: New																				
02013	RITSEM	67 44N	17 28E	532	533		X	X	X	X	X	X	X	X		.	.	.	.	AUT
97	BJUROKLUBB	64 29N	21 35E	43	40		X	X	X	X	X	X	X	X		.	.	.	.	AUT
Region VI - Sweden:Deleted																				
02012	RITSEM																			
215	ARESKUTAN																			
296	BJUROKLUBB																			
Region VI - Slovakia (effective 1 April 1998): Amendments																				
11952	POPRAD-GANOVCE	49 02N	20 19E	706	700		.	.	.	.	.	.	.	.		.	W	.	.	CLIMAT(T);OZONE;WR
Region VI -United Kingdom of Great Britain and Northern Ireland: New																				
03084	KIRKMICHAEL	56 43N	03 31W		266		.	.	.	X	.	.	X	.	H07-10	.	.	.	.	
116	DALMALLY	56 24N	05 00W		40		.	.	07	X	X	X*	X	.		.	.	.	.	*NOT ON 4
164	BIGGAR	55 36N	03 33W		200		.	.	08	X	X	X	X	X	H08-09	.	.	.	.	
407	LLANBEDR	52 48N	04 07W		9		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
716	ST ATHAN	51 24N	03 26W		49		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT

Index Number	Name	Position LAT.	Position LONG.	Elevation HP	Elevation H/HA	Pressure Level	SURFACE OBSERVATIONS 00	03	06	09	12	15	18	21	OBS.H OBS.S	Upper-air 00	06	12	18	OTHER OBSERVATIONS AND REMARKS
Region VI -United Kingdom of Great Britain and Northern Ireland: Amendments																				
03005	LERWICK	60 08N	01 11W	84	82		X	X	X	X	X	X	X	X	H00-24	RW	W	RW	W	ATMEL;C;CLIMAT(CT);EARTH CURRENT;MAGNET;NLC;NOCTRA;OZONE;RADSAMP;SEISMO;SFERIC;SKYRA;SNOW;SOILTEMP;SOLRA;SUNDUR;TIDE;WR
026	STORNOWAY	58 13N	06 19W	13	9		X	X	X	X	X	X	X	X	H00-24; S06-17+	RW	W	RW	W	A;BAPMON;C;CLIMAT(CT);M/B;METAR;NLC;NOT ON/SAUF 7+; SFERIC;SKYRA;SNOW;SOLRA;SUNDUR;TIDE;WR
091	ABERDEEN/DYCE AIRPORT	57 12N	02 13W		65		X	X	X	X	X	X	X	X	H00-24; S06-22+ 05-21*	.	.	.	.	A;CLIMAT(C);M/B;METAR;SNOW;SUMMER/ETE*;SUNDUR;TIDE; WINTER/HIVER+
152	SALSBURGH	55 52N	03 52W		277		.	.	.	X	X	.	.	.		.	.	.	.	
334	MANCHESTER AIRPORT	53 21N	02 17W		69		X	X	X	X	X	X	X	X	S00-24	.	.	.	.	A;CLIMAT(C);METAR;SEMI-AUT
521	MADLEY	52 02N	02 51W		77		.	.	X*	X*	X	X	X	X*		.	.	.	.	*NOT ON 6 & 7
526	BARBOURNE	52 12N	02 13W		25		.	.	X	X	X	X	X	.		.	.	.	.	
672	NORTHOLT	51 33N	00 25W		38		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	A;SEMI-AUT
693	SHOEBURYNESS	51 33N	00 50E	3	2		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	C;AUT
917	BELFAST/ALDERGROVE AIRPORT	54 39N	06 13W		81		X	X	X	X	X	X	X	X	S00-24	.	.	.	.	A;CLIMAT(C);EVAP;M/B;METAR;NLC;RAD;RADSAMP;SKYRA;SOILTEMP;SOLRA;SUNDUR

Region VI -United Kingdom of Great Britain and Northern Ireland: Deleted

03022 BENBECULA
049 CAPE WRATH
054 STRATHY POINT
188 BERWICK UPON TWEED
293 COWDEN
329 WINTER HILL
387 EASINGTON
534 BIRMINGHAM/AIRPORT
715 CARDIFF-WALES AIRPORT

1.4 Automated Shipboard Aerological Programme (ASAP)

The updated list is available on-line at the following URL:
http://www.wmo.ch/web/ddbs/jen/MMS/index.html

NAME	SHIP	CALL SIGN	HEX ADDRESS	RELEASE HEIGHT	FOCAL POINT		COUNTRY
D/ASAP1	EWL Colombia	V2LV	112007C8	6 m	Horst Günther		Germany
					Phone:	+49 40 3190 8830	
					Fax.:	+49 40 3190 8803	
					Email:	horst.guenther@swa-m2.hamburg.bsh.d400.de	
D/ASAP2	EWL Suriname	V2LX	112044C2	6 m	Horst Günther		Germany
					Phone:	+49 40 3190 8830	
					Fax.:	+49 40 3190 8803	
					Email:	horst.guenther@swa-m2.hamburg.bsh.d400.de	
D/ASAP3	FS Meteor	DBBH	112057B4	6 m	Horst Günther		Germany
					Phone:	+49 40 3190 8830	
					Fax.:	+49 40 3190 8803	
					Email:	horst.guenther@swa-m2.hamburg.bsh.d400.de	
D/ASAP4	EWL Venezuela	V2GH	160037D2	6 m	Horst Günther		Germany
					Phone:	+49 40 3190 8830	
					Fax.:	+49 40 3190 8803	
					Email:	horst.guenther@swa-m2.hamburg.bsh.d400.de	
DK/ASAP1	Arina Artica	OVYA2	Inmarsat-C	10 m	Klaus Hedegaard or Lars K. Andersen		Denmark
					Phone:	+45 3915 7531	
					Fax.:	+45 3927 1080	
					Email:	kh@dmi.dk	
DK/ASAP2	Nuka Artica	OXYH2	Inmarsat-C	18 m	Klaus Hedegaard or Lars K. Andersen		Denmark
					Phone:	+45 3965 3035	
					Fax.:	+45 3965 0566	
					Email:	lka@dmi.dk	
E/ASAP1	Esperanza del Mar	EHOA	11836376	10 m	Cesar Belandia		Spain
					Phone:	+34 1 581 9651	
					Fax.:	+34 1 581 9846	
					Email:	cesar.belandia@inm.es	
F/ASAP1	Fort Royal	FNOR	1180F11A	13 m	Laurent Bazin		France
					Phone:	+33 1 30136456	
					Fax.:	+33 1 30136060	
					Email:	laurent.bazin@meteo.fr	
F/ASAP2	Douce France	FNRS	11810364	27 m	Laurent Bazin		France
					Phone:	+33 1 30136456	
					Fax.:	+33 1 30136060	
					Email:	laurent.bazin@meteo.fr	
F/ASAP3	Fort Fleur d'Epée	FNOU	11819606	13 m	Laurent Bazin		France
					Phone:	+33 1 30136456	
					Fax.:	+33 1 30136060	
					Email:	laurent.bazin@meteo.fr	
F/ASAP4	Fort Desaix	FNPH	1181A39C	27 m	Laurent Bazin		France
					Phone:	+33 1 30136456	
					Fax.:	+33 1 30136060	
					Email:	laurent.bazin@meteo.fr	
GB/ASAP2	Bransfeld	ZLDG	1120622E	7 m	Stuart Norwell		United Kingdom
					Phone:	+44 1344 855654	
					Fax.:	+44 1344 855921	
					Email:	smnorwell@meto.gov.uk	
S-I ASAP1	Godafoss	V2EZ	Inmarsat-C	13m	Flosi H. Sigurdsson		Iceland
					Phone:	+354 5 600 600	
					Fax.:	+354 5 528 121	
					Email:	flosi@vedur.is	
US/ASAP1	RV Ronald H. Brown	WTEC	Inmarsat-C	11.5 m	Elizabeth White		U.S.A.
					Phone:	+1 301 713 2465	
					Fax.:	+1 301 713 0158	
					Email:	Elizabeth.White@noaa.gov	
US/ASAP2	RV Ka'imimoana	WTEU	Inmarsat-C	11 m	Elizabeth White		U.S.A.
					Phone:	+1 301 713 2465	
					Fax.:	+1 301 713 0158	
					Email:	Elizabeth.White@noaa.gov	

1.5 Automatic Marine Stations

KEY: Observed or Technical Parameters

Column	Parameters
1	Wind direction, speed and peak wind
2	Air temperature
3	Air pressure
4	Pressure tendency
5	Sea-surface temperature
6	Wave period and height
7	Wave spectra
8	Drogued
9	Subsurface temperatures
10	Relative humidity
11	Visibility

Column	Parameters
12	Battery Voltage (BV)
-	Parameter not observed
X	Buoy observes this parameter
.	Data under evaluation, not reported
B	Buoy beached, sensor reporting
N	No sensor installed
Q	Data questionable, but reported
R	Buoy Retrieved
S	Sensor/system failure

JAPAN

The following moored buoys with WMO buoy identifiers have been deployed:

WMO Identifier	Position of Deployment	Date of Deployment	Argos ID
52043	7°54.9'N, 155°59.9'E	9 March 1998	11823
52044	4°55.5'N, 155°58.9'E	13 Mach 1998	11824
52045	1°56.2'N, 155°59.8'E	15 March 1998	11825
52046	0°05.3'S, 156°01.6'E	17 March 1998	11826

The following subsurface floats with WMO buoy identifiers have been deployed:

WMO Identifier	Position of Deployment	Date of Deployment	Argos ID
21851	38°00.4'N, 151°58.5'E	4 May 1998	1865
21852		to be deployed in November 1998	

CANADA

Moored Buoys

North-east Pacific Ocean (SNVD17& SXCN50 CWVR, SNVD04 CWEG)

WMO Buoy	ARGOS	Position: 11 May 1998		Observed or Technical Parameters										
Identifier	Identifier	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
46004	6267	50 58' N	135 48' W	X	X	X	X	X	X	X	N/A	-	-	-
46036	7180	48 21' N	133 55' W	X	X	X	X	X	X	X	N/A	-	-	-
46131	N/A	49 54' N	124 59' W	X	X	X	X	X	X	X	N/A	-	-	-
46132	7197	49 44' N	127 55' W	X	X	X	X	X	X	X	N/A	-	-	-
46145	7183	54 23' N	132 26' W	X	X	X	X	X	X	X	N/A	-	-	-
46146	N/A	49 20' N	123 44' W	X	X	X	X	X	X	X	N/A	-	-	-
46147	7186	51 49' N	131 12' W	X	X	X	X	X	X	X	N/A	-	-	-
46181	N/A	53 50' N	128 50' W	X	X	X	X	S	X	X	N/A	-	-	-
46183	8678	53 37' N	131 06' W	X	X	X	X	X	X	X	N/A	-	-	-
46184	6268	53 54' N	138 52' W	X	X	X	X	X	X	X	N/A	-	-	-
46185	8677	52 24' N	129 47' W	S	S	S	S	S	S	S	N/A	-	-	-
46204	4484	51 22' N	128 45' W	S	S	S	S	S	S	S	N/A	-	-	-
46205	7184	54 10' N	134 20' W	X	X	X	X	X	X	X	N/A	-	-	-
46206	7196	48 50' N	126 00' W	X	X	X	X	X	X	X	N/A	-	-	-
46207	7193	50 52' N	129 55' W	X	X	X	X	X	X	X	N/A	-	-	-
46208	4485	52 30' N	132 42' W	X	X	X	X	X	X	X	N/A	-	-	-

Moored Buoys (North-west Atlantic Ocean)

WMO Buoy	ARGOS	Position: 11 May 1998		Observed or Technical Parameters										
Identifier	Identifier	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
44137	5579			.	.	.	.	.	.	.	N/A	-	-	-
44138	5577	44 16' N	053 37' W	X	X	X	X	X	X	X	N/A	-	-	-
44139	3448	44 12' N	057 30' W	S	S	S	S	S	S	S	N/A	-	-	-
44140	N/A			.	.	.	.	.	.	.	N/A	-	-	-
44141	3449	42 04' N	056 09' W	S	S	S	S	S	S	S	N/A	-	-	-
44142	5578			.	.	.	.	.	.	.	N/A	-	-	-
44153	2078	46 44' N	048 48' W	S	S	S	S	S	S	S	N/A	-	-	-
44251	9234	46 30' N	053 24' W	X	X	X	X	X	X	X	N/A	-	-	-
44255	9233	47 17' N	057 21' W	S	S	S	S	S	S	S	N/A	-	-	-

Moored Buoys (Gt Slave Lk., Lk. Winnipeg, Great Lks., Gulf of St. Lawrence)

WMO Buoy	ARGOS	Position: 11 May 1998		Observed or Technical Parameters										
Identifier	Identifier	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
45132	N/A	42 28' N	081 13' W	X	X	X	X	X	X	X	N/A	-	-	-
45135	N/A	43 47' N	076 52' W	X	X	X	X	X	X	X	N/A	-	-	-
45136	N/A	48 32' N	086 57' W	X	X	X	X	X	X	X	N/A	-	-	-
45137	N/A	45 33' N	081 01' W	X	X	X	X	X	X	X	N/A	-	-	-
45138	3436	49 33' N	065 45' W	X	X	X	X	X	X	X	N/A	-	-	-
45139	N/A			.	.	.	.	.	.	.	N/A	-	-	-
45140	3439			.	.	.	.	.	.	.	N/A	-	-	-
45141	N/A			.	.	.	.	.	.	.	N/A	-	-	-
45142	N/A	42 44' N	079 17' W	X	X	X	X	X	X	X	N/A	-	-	-
45143	N/A			.	.	.	.	.	.	.	N/A	-	-	-
45144	8671			.	.	.	.	.	.	.	N/A	-	-	-

Drifting Buoys, Pacific Ocean

WMO Buoy	ARGOS	Position: 1 May 1998		Observed or Technical Parameters										
Identifier	Identifier	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
46632	12517	54 24' N	154 30' W	X	X	X	X	X	.	.	X	-	-	-
46641	12511	49 30' N	140 06' W	.	X	X	X	X	.	.	X	-	-	-
46692	12513	43 30' N	148 42' W	X	X	X	X	X	.	.	X	-	-	-

Remarks:

44137 - Buoy ashore
44138 - Only the ocnl transmission.
44142 - Buoy ashore
45139 - Retrieved for retrofit.
45143 - On test.

Reactivated:

45132 - Apr. 9
45135 - Apr. 24
45136 - Apr. 4
45137 - Apr. 10
45138 - May 10
45142 - Apr. 8

Failed:

44139 - Failed Nov. 22
44141 - Failed Dec. 8
44153 - Experimental SWS-2 ODAS buoy deployed Feb 19. Failed Mar 11.
44255 - Failed Apr. 3
46185 - Failed Apr. 14
46204 - Failed Mar. 26
46701 - Failed Apr. 20

Removed for the Winter:

44140
45140 - Oct. 15
45141 - Oct. 21
45144 - Oct. 29

UNITED STATES OF AMERICA

List of U.S.A. Ocean Data Acquisition Systems (ODAS) included in the Data Platform Status Report of the Data Buoy Centre of the National Oceanic and Atmospheric Administration (NOAA) on 19 June 1998.
Data from moored buoys and platforms are collected by geostationary meteorological satellites and reports are distributed on the GTS in SHIP code. Data from drifting buoys are collected by the ARGOS system and distributed on the GTS in DRIFTER CODE.

Moored Buoys

WMO Buoy	ARGOS	Position: 11-18 June 1998		Observed or Technical Parameters										
Identifier	Identifier	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
41001*		34.68N	72.64W	S	X	X	-	X	S	S	-	-	-	-
41002*		32.28N	75.20W	X	X	X	-	X	X	X	-	-	-	-
41004		32.51N	79.10W	X	X	X	-	S	X	X	-	-	-	-
41008*		31.40N	80.87W	X	X	X	-	X	X	X	-	-	-	-
41009		28.50N	80.18W	X	X	X	-	X	X	X	-	-	-	-
41010		28.89N	78.55W	X	X	X	-	X	X	X	-	-	-	-
42001*		25.93N	89.65W	X	X	X	-	S	X	X	-	-	-	-
42002*		25.89N	93.57W	X	X	X	-	X	X	X	-	-	-	-
42003*		25.94N	85.91W	X	X	X	-	X	S	S	-	-	-	-
42007		30.09N	88.77W	X	X	X	-	X	X	X	-	-	-	-
42019		27.92N	95.35W	X	X	X	-	X	X	X	-	-	-	-
42020		26.92N	96.70W	X	X	X	-	X	X	X	-	-	-	-
42035		29.25N	94.41W	X	X	X	-	X	X	X	-	-	-	-
42036		28.51N	84.51W	X	X	X	-	X	X	X	-	-	-	-
42039		28.78N	86.04W	X	X	X	-	X	X	X	-	-	-	-
42040		29.20N	88.25W	X	X	X	-	X	X	X	-	-	-	-
44004*		38.46N	70.69W	X	X	X	-	X	X	X	-	-	-	-
44005*		42.90N	68.89W	X	X	X	-	X	X	X	-	-	-	-
44007		43.53N	70.14W	X	X	X	-	X	X	X	-	-	-	-
44008*		40.50N	69.43W	X	X	X	-	X	X	X	-	-	-	-
44009*		38.46N	74.70W	X	X	X	-	X	X	X	-	-	-	-
44011*		41.08N	66.58W	S	X	X	-	X	X	X	-	-	-	-
44013		42.35N	70.69W	X	X	X	-	X	X	X	-	-	-	-
44014		36.58N	74.83W	X	X	X	-	X	X	X	-	-	-	-
44025		40.25N	73.17W	X	X	X	-	X	X	X	-	-	-	-
45001*		48.06N	87.78W	X	X	X	-	X	X	X	-	-	-	-
45002*		45.30N	86.42W	X	X	X	-	X	X	X	-	-	-	-
45003*		45.33N	82.77W	X	X	X	-	X	X	X	-	-	-	-
45004*		47.56N	86.55W	X	X	X	-	X	X	X	-	-	-	-
45005*		41.67N	82.39W	X	X	X	-	X	X	X	-	-	-	-
45006*		47.32N	89.87W	X	S	S	-	S	X	X	-	-	-	-
45007*		42.67N	87.02W	X	X	X	-	X	X	X	-	-	-	-
45008*		44.28N	82.42W	X	X	X	-	X	X	X	-	-	-	-
46001*		56.30N	148.17W	X	X	X	-	X	X	X	-	-	-	-
46002*		42.53N	130.26W	X	X	X	-	X	X	X	-	-	-	-
46003*		51.85N	155.92W	X	X	X	-	X	X	X	-	-	-	-
46005*		46.08N	131.00W	X	X	X	-	X	X	X	-	-	-	-
46006*		40.84N	137.49W	X	X	X	-	X	X	X	-	-	-	-
46011		34.88N	120.87W	X	X	X	-	X	X	X	-	-	-	-
46012		37.39N	122.73W	S	S	S	-	S	S	S	-	-	-	-
46013		38.23N	123.33W	X	X	X	-	X	X	X	-	-	-	-
46014		39.22N	123.97W	X	X	X	-	X	X	X	-	-	-	-
46022		40.74N	124.51W	S	S	S	-	S	S	S	-	-	-	-

46023		34.71N	120.97W	X	X	X	-	X	X	X	-	-	-	-
46025		33.75N	119.08W	X	X	X	-	X	X	X	-	-	-	-
46026*		37.75N	122.82W	S	S	S	-	S	S	S	-	-	-	-
46027		41.85N	124.39W	R	R	R	-	R	R	R	-	-	-	-
46028		35.74N	121.88W	R	R	R	-	R	R	R	-	-	-	-
46029*		46.12N	124.50W	X	X	X	-	X	X	X	-	-	-	-
46030		40.42N	124.53W	S	S	S	-	S	S	S	-	-	-	-
46035		56.91N	177.81W	X	X	X	-	X	X	X	-	-	-	-
46041		47.42N	124.53W	X	X	X	-	X	X	X	-	-	-	-
46042		36.75N	122.41W	R	R	R	-	R	R	R	-	-	-	-
46045		33.84N	118.45W	X	X	X	-	X	X	X	-	-	-	-
46050		44.62N	124.53W	X	X	X	-	X	X	X	-	-	-	-
46053		34.24N	119.85W	X	X	X	-	X	X	X	-	-	-	-
46054		34.27N	120.45W	X	X	X	-	X	X	X	-	-	-	-
46059		37.98N	130.00W	X	S	S	-	X	X	X	-	-	-	-
46060		60.58N	146.83W	X	X	X	-	X	X	X	-	-	-	-
46061		60.22N	146.83W	X	X	X	-	X	X	X	-	-	-	-
46062		35.10N	121.01W	X	X	X	-	X	X	X	-	-	-	-
46063		34.25N	120.66W	X	X	X	-	X	X	X	-	-	-	-
51001*		23.40N	162.27W	X	X	X	-	X	X	X	-	-	-	-
51002*		17.19N	157.83W	X	X	X	-	X	X	X	-	-	-	-
51003*		19.14N	160.81W	X	X	X	-	X	X	X	-	-	-	-
51004*		17.44N	152.52W	X	X	X	-	X	X	X	-	-	-	-
51028		.00N	153.88W	X	X	X	-	X	X	X	-	-	-	-

Total Base Funded Buoys: 30
Total Other Buoys : 37

Total Moored Buoys : 67

*Base funded station of National Weather Service (NWS);
however, all stations report data to NWS.

REMARKS (dates for USA are represented as follows mm/dd/yy):

41001 - Wind data failed 9/2/97, wave data failed 11/03/97, service scheduled week of 7/6/98.
41004 - Water temp data failed 2/2/97.
41010 - Station failed 6/15/98.
42001 - Water temp data failed 4/6/98.
42003 - Wave data failed 5/14/98.
44011 - Wind data failed 5/10/98.
44025 - Parity errors in data.
45006 - Air temp, water temp, and pressure failed 5/4/98.
46003 - Parity errors in data.
46006 - Parity errors in data.
46012 - Buoy redeployed 6/18/98.
46022 - Station failed 3/26/98, service scheduled week of 6/29/98.
46026 - Water temp data failed 11/24/97, station failed 3/2/98, service scheduled week of 8/10/98
46027 - Buoy adrift and beached 10/4/97, recovered to port 10/9/97, service scheduled week of 6/15/98.
46028 - Buoy adrift 7/17/97, recovered to port 7/22/97, redeployment scheduled week of 8/03/98.
46030 - Station failed 10/22/97, service scheduled week of 6/29/98.
46041 - Buoy redeployed 6/11/98.
46042 - Buoy redeployed 6/18/98.
46059 - Air temp and pressure data failed 12/10/97, service scheduled week of 8/10/98.
46060 - Station placed in test for service 6/16/98, restored 6/18/98.

AUSTRALIA

Shipboard DCP

WMO Buoy Identifier	ARGOS Identifier	Position: 30 April 1998		Observed or Technical Parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
VJIK	11581			-	X	X	-	-	-	-	-	-	-	-
VMMR	11662			-	X	X	-	-	-	-	-	-	-	-
VNAA	7866			-	X	X	-	-	-	-	-	-	-	-
VROB	11580			-	X	X	-	-	-	-	-	-	-	-
Shipboard DC	7865			-	X	X	-	-	-	-	-	-	-	-

Drifting Buoys Drogued

WMO Buoy Identifier	ARGOS Identifier	Position: 30 April 1998		Observed or Technical Parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
52624	2942	-14.568	138.841	X	X	X	X	X	-	-	-	-	-	-
53548	17179	-22.114	60.504	-	X	X	-	X	-	-	-	-	-	-
56529	4873	-32.464	73.351	-	-	X	-	X	-	-	-	-	-	-
56531	4872	-29.042	85.887	-	-	X	-	X	-	-	-	-	-	-
56532	2949	-38.034	128.886	-	X	X	X	X	-	-	-	-	-	-
56533	2948	-44.794	162.796	-	X	X	X	X	-	-	-	-	-	-
56535	2939	-59.537	167.613	-	X	X	X	X	-	-	-	-	-	-
56536	4876	-47.216	171.095	-	-	S	-	X	-	-	-	-	-	-
56537	2930	-16.033	115.112	X	X	X	X	S	-	-	-	-	-	-
56538	4878	-38.654	104.262	-	-	X	X	X	-	-	-	-	-	-
56539	8035	-47.529	130.191	-	X	X	X	X	-	-	-	-	-	-
56540	4877	-22.12	107.418	-	-	X	X	X	-	-	-	-	-	-
74539	8036	-61.042	70.924	-	X	X	X	X	-	-	-	-	-	-

NEW ZEALAND

Drifting Buoys

WMO Buoy Identifier	ARGOS Identifier	Position: 1 June 1998		Observed or Technical Parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
8584	55587	39.8 S	159.5 E	X	X	X	-	X	-	-	X	-	-	-
20721	55576	33.4 S	157.5 E	-	X	X	-	X	-	-	X	-	-	-
22186	55575	32.0 S	168.1 E	-	X	X	-	X	-	-	X	-	-	-
22187	55573	44.2 S	158.6 E	-	X	X	-	X	-	-	X	-	-	-
22188	55577	39.4 S	170.8 E	-	X	X	-	X	-	-	X	-	-	-
22189	55572	35.7 S	171.6 E	-	X	X	-	X	-	-	X	-	-	-
22190	55574	23.5 S	171.5 E	-	X	X	-	X	-	-	X	-	-	-

ARGOS SERVICE
ARGOS Monthly Status Report

Date of statistics computation: 4 May 1998

• REPORTS HANDLED BY ARGOS SERVICE

(list of monthly collected ARGOS platforms sorted by type of platform)

Drifting Buoys	1144
Boats (<20 knots)	-
Marine Stations	162
Moored Buoys	304
Fixed Stations	571
Marine Animals	126
Terrestrial Animals	87
Birds	126
Balloons	3
Rafos Floats	-
TOTAL:	**2361**

•**REPORTS INSERTED INTO THE GTS**

(list of monthly collected ARGOS platforms on indicated GTS sites sorted by type of platform)

INSERTED BY RTH TOULOUSE:

Drifting Buoys	149
Fixed Stations	21
Moored Buoys	11
XBT Ships	16

INSERTED BY RTH/WMC WASHINGTON:

Drifting Buoys	154
Fixed Stations	22
Moored Buoys	10
XBT Ships	19

•CODING STATISTICS OF PLATFORMS

reporting through ARGOS and distributed over the GTS:

BATHY	**401**
BUOY	**235174**
SHIP:	**-**
SYNOP:	**32876**
TOTAL:	**268451**

Date of statistics computation: 8 June 1998

• REPORTS HANDLED BY ARGOS SERVICE

(list of monthly collected ARGOS platforms sorted by type of platform)

Drifting Buoys	1210
Boats (<20 knots)	-
Marine Stations	-
Moored Buoys	305
Fixed Stations	602
Marine Animals	117
Terrestrial Animals	127
Birds	114
Balloons	3
Rafos Floats	-
TOTAL:	**2478**

•**REPORTS INSERTED INTO THE GTS**

(list of monthly collected ARGOS platforms on indicated GTS sites sorted by type of platform)

INSERTED BY RTH TOULOUSE:

Drifting Buoys	145
Fixed Stations	22
Moored Buoys	10
XBT Ships	17

INSERTED BY RTH/WMC WASHINGTON:

Drifting Buoys	451
Fixed Stations	38
Moored Buoys	67
XBT Ships	-

•CODING STATISTICS OF PLATFORMS

reporting through ARGOS and distributed over the GTS:

BATHY	**321**
BUOY	**250027**
SHIP:	**-**
SYNOP:	**33913**
TOTAL:	**284261**

1.6 EXPLANATORY NOTES

Separate tables should be prepared for global exchange and regional exchange respectively. These tables should contain information concerning any changes of the present state of implementation of observing programmes of SYNOP, TEMP and PILOT reporting stations for Volume A and the Catalogue of Meteorological Bulletins.

For entries in these tables, the following should be taken into account:

COLUMN A: The station index number (IIiii) and station name;

COLUMN B: Latitude and Longitude in degrees and minutes with the appropriate letters (N, S, E and W);

COLUMN C: The TTAAii CCCC of the abbreviated headings of the meteorological bulletins which contain reports from the station should be inserted;

COLUMN D: "X" for implementation and "-" for non-implementation should be inserted as appropriate. In order to easily identify changes in the programme, these should be marked in red;

COLUMN E: HP = Elevation of the station in metres (the datum level to which barometric pressure reports at the station refer);

H = Elevation of the ground, in metres, (average level of terrain in immediate vicinity of station), for stations not located on aerodromes;

H A = Official altitude of the aerodrome given for stations located on aerodromes is indicated by the letter "A" in the column "Other observations and Remarks" of Volume A;

COLUMN F: For those stations not indicating pressure reduced to mean sea level (group 4PPPP) in their synoptic reports, the entry in this column shows which information is reported in lieu of group 4PPPP (see table 1):

STATION	Pressure at station level reported using group $3P_0P_0P_0P_0$
1000 hPa	Geopotential of the given standard isobaric surface reported using group $4a_3hhh$
850 hPa	
700 hPa	
500 hPa	

Table 1

COLUMN G: Reasons for temporary suspension of observing programmes and an expected date of resumption of the programmes should be given as far as possible. Non-standard collection and/or distribution times should also be included, and also possible alternate observing stations, as appropriate.

These tables should be sent to the WMO Secretariat

BEFORE the 20th of the month

for inclusion in the

"OPERATIONAL NEWSLETTER"

Feed-Back from Members to the Secretariat on any Changes in the Observing Network

Country: _____

PLEASE TICK THE APPROPRIATE BOX

Global Exchange: ❑

Date effective: _____

Regional Exchange: ❑

(A)		(B)		(C)	(D)								(E)		(F)	(G)
Index No.	Station Name	Position Latitude	Position Longitude	Bulletin Identification TTAAii CCCC	Implementation of Observing Programme 00	03	06	09	12	15	18	21	Elevation HP	Elevation H/HA	Pressure Level	Remarks
SYNOP																
TEMP																
PILOT																

NAME OF COUNTRY: JAPAN

COMPILING OR EDITING CENTRE: TOKYO DATE: 01/04/1998

Replace pages for Japan with the following entries:

Abbreviated Heading TTAA(ii)	CCCC	Code Form Used	Time Group (GG)	Content of Bulletin and Remarks
CSJP01	RJTD	FM 71-X		47401 47407 47409 47412 47418 47420 47421 47426 47430
CSJP02	RJTD	FM 71-X		47570 47575 47582 47585 47590 47598 47600 47602 47605
CSJP03	RJTD	FM 71-X		47618 47624 47636 47648 47655 47662 47663 47675 47678
CSJP04	RJTD	FM 71-X		47740 47741 47746 47750 47755 47772 47778 47800 47807
CSJP05	RJTD	FM 71-X		47815 47817 47827 47830 47837 47843 47887 47891 47898
CSJP06	RJTD	FM 71-X		47899 47909 47918 47927 47936 47945 47971
CSJP07	RJTD	FM 71-X		47991
CUJP01	RJTD	FM 75-X		47401 47412 47420 47582 47590 47600 47646 47678 47744 47778 47807 47827 47909 47918 47936 47945 47971 47991
SEJP01	RJTD	SPECIAL CODE	AS AVAILABLE	SEISMIC DATA
SMJP01	RJTD	FM 12-X EXT.	00,06,12,18	47401 47412 47420 47426 47582 47590 47600 47648 47662 47678 47740 47778 47807 47827 47843 47898 47909 47918 47936 47945 47971 47991
SMJP02	RJTD	FM 12-X EXT.	00,06,12,18	47407 47409 47418 47421 47430 47570 47575 47585 47598 47602 47605 47618 47624 47636 47655 47663 47675 47741 47746 47750 47755 47772 47800 47815 47817 47830 47837 47887 47891 47899 47927
SMPA01	RJTD	FM 12-X EXT.	00,06,12,18	91155 91165 91203 91212 91217 91232 91245 91250 91275 91285 91317 91324 91334 91339 91348 91353 91356 91366 91367 91369 91371 91376 91378 91408 91413 91425 91434 91601 91610
SMVB10	RJTD	FM 13-X	00,06,12,18	SHIP ONLY WHEN AVAILABLE
SMVB11	RJTD	FM 13-X	00,06,12,18	SHIP
SMVB12	RJTD	FM 13-X	00,06,12,18	SHIP
SMVB13	RJTD	FM 13-X	00,06,12,18	SHIP
SMVB14	RJTD	FM 13-X	00,06,12,18	SHIP
SMVB15	RJTD	FM 13-X	00,06,12,18	SHIP
SMVB16	RJTD	FM 13-X	00,06,12,18	SHIP ONLY WHEN AVAILABLE
SMVD10	RJTD	FM 13-X	00,06,12,18	SHIP ONLY WHEN AVAILABLE
SMVD11	RJTD	FM 13-X	00,06,12,18	SHIP
SMVD12	RJTD	FM 13-X	00,06,12,18	SHIP
SMVD13	RJTD	FM 13-X	00,06,12,18	SHIP
SMVD14	RJTD	FM 13-X	00,06,12,18	SHIP

Abbreviated Heading		Code Form Used	Time Group	Content of Bulletin and Remarks
TTAA(ii)	CCCC		(GG)	
SMVD15	RJTD	FM 13-X	00,06,12,18	SHIP
SMVD16	RJTD	FM 13-X	00,06,12,18	SHIP ONLY WHEN AVAILABLE
SMVE10	RJTD	FM 13-X	00,06,12,18	SHIP ONLY WHEN AVAILABLE
SMVE11	RJTD	FM 13-X	00,06,12,18	SHIP
SMVE12	RJTD	FM 13-X	00,06,12,18	SHIP
SMVE13	RJTD	FM 13-X	00,06,12,18	SHIP
SMVE14	RJTD	FM 13-X	00,06,12,18	SHIP
SMVE15	RJTD	FM 13-X	00,06,12,18	SHIP
SMVE16	RJTD	FM 13-X	00,06,12,18	SHIP ONLY WHEN AVAILABLE
SMVX10	RJTD	FM 13-X	00,06,12,18	SHIP ONLY WHEN AVAILABLE
SMVX11	RJTD	FM 13-X	00,06,12,18	SHIP
SMVX12	RJTD	FM 13-X	00,06,12,18	SHIP
SMVX13	RJTD	FM 13-X	00,06,12,18	SHIP
SMVX14	RJTD	FM 13-X	00,06,12,18	SHIP
SMVX15	RJTD	FM 13-X	00,06,12,18	SHIP
SMVX16	RJTD	FM 13-X	00,06,12,18	SHIP ONLY WHEN AVAILABLE
SMWB11	RJTD	FM 13-X	00,06,12,18	AUTOMATIC STATIONS (BUOYS)
SOVX01	RJTD	FM 63-X EXT.	00,03,06,09,12,15,18,21	BATHY
SOVX02	RJTD	FM 64-IX	00,03,06,09,12,15,18,21	TESAC
SOVX11	RJTD	FM 62-VIII EXT.	00,12	TRACKOB
SOVX12	RJTD	FM 62-VIII EXT.		TRACKOB
SOWB01	RJTD	FM 63-X EXT.	00,03,06,09,12,15,18,21	AUTOMATIC STATIONS (BUOYS)
UAAS11	RJTD		HOURLY	AIREP
UDAA02	RJTD	FM 42-IX EXT.	AS AVAILABLE	AMDAR REPORTS (SOUTH OF 60S)
UDAC02	RJTD	FM 42-IX EXT.	AS AVAILABLE	AMDAR REPORTS (NORTH OF 66.5N)
UDAS02	RJTD	FM 42-IX EXT.	AS AVAILABLE	AMDAR REPORTS (00-66.5N, 60E-140E)
UDIO02	RJTD	FM 42-IX EXT.	AS AVAILABLE	AMDAR REPORTS (00-60S, 60E-120E)
UDPN02	RJTD	FM 42-IX EXT.	AS AVAILABLE	AMDAR REPORTS (00-66.5N, 140E-140W)
UDPS02	RJTD	FM 42-IX EXT.	AS AVAILABLE	AMDAR REPORTS (00-60S, 120E-80W)
UEJP01	RJTD	FM 35-X EXT.	00,12	47401 47412 47420 47580 47582 47590 47600 47646 47678 47681 47744 47778 47807 47827 47881 47909 47918 47936 47945 47971 47981 47991 NOTE: 47881 AT 00 UTC ONLY
UENG01	RJTD	FM 35-X EXT.	00,12	92014
UEPA01	RJTD	FM 35-X EXT.	00,12	91165 91217 91245 91275 91285 91334 91348 91366 91376 91408 91413
UETH01	RJTD	FM 38-X EXT.		TEMP MOBIL (WHEN AVAILABLE)
UEVX01	RJTD	FM 36-X EXT.	00,12	TEMP SHIP (WHEN AVAILABLE)

Abbreviated Heading		Code Form Used	Time Group	Content of Bulletin and Remarks
TTAA(ii)	CCCC		(GG)	
UGJP01	RJTD	FM 32-IX	06,18	47401 47412 47420 47582 47590 47600 47646 47678 47744 47778 47807 47827 47909 47918 47936 47945 47971 47991
UGVX01	RJTD	FM 33-IX	00,06,12,18	PILOT SHIP (WHEN AVAILABLE)
UKJP01	RJTD	FM 35-X EXT.	00,12	47401 47412 47420 47580 47582 47590 47600 47646 47678 47681 47744 47778 47807 47827 47881 47909 47918 47936 47945 47971 47981 47991 NOTE: 47881 AT 00 UTC ONLY
UKJP01	RJTD	FM 35-X EXT.	06,18	47401 47412 47420 47580 47582 47590 47600 47646 47678 47681 47744 47778 47807 47827 47881 47909 47918 47936 47945 47971 47981 47991 NOTE: ONLY WHEN AVAILABLE
UKNG01	RJTD	FM 35-X EXT.	00,12	92014
UKPA01	RJTD	FM 35-X EXT.	00,12	91165 91217 91245 91275 91285 91334 91348 91366 91376 91408 91413
UKTH01	RJTD	FM 38-X EXT.		TEMP MOBIL (WHEN AVAILABLE)
UKVX01	RJTD	FM 36-X EXT.	00,12	TEMP SHIP (WHEN AVAILABLE)
ULJP01	RJTD	FM 35-X EXT.	00,12	47401 47412 47420 47580 47582 47590 47600 47646 47678 47681 47744 47778 47807 47827 47881 47909 47918 47936 47945 47971 47981 47991 NOTE: 47881 AT 00 UTC ONLY
ULNG01	RJTD	FM 35-X EXT.	00,12	92014
ULPA01	RJTD	FM 35-X EXT.	00,12	91165 91217 91245 91275 91285 91334 91348 91366 91376 91408 91413
ULTH01	RJTD	FM 38-X EXT.		TEMP MOBIL (WHEN AVAILABLE)
ULVX01	RJTD	FM 36-X EXT.	00,12	TEMP SHIP (WHEN AVAILABLE)
UNJP01	RJTD	FM 39-VI		47513
UPJP01	RJTD	FM 32-IX	06,18	47401 47412 47420 47582 47590 47600 47646 47678 47744 47778 47807 47827 47909 47918 47936
UPVX01	RJTD	FM 33-IX	00,06,12,18	PILOT SHIP (WHEN AVAILABLE)
USJP01	RJTD	FM 35-X EXT.	00,12	47401 47412 47420 47580 47582 47590 47600 47646 47678 47681 47744 47778 47807 47827 47881 47909 47918 47936 47945 47971 47981 47991 NOTE: 47881 AT 00 UTC ONLY
USJP01	RJTD	FM 35-X EXT.	06,18	47401 47412 47420 47580 47582 47590 47600 47646 47678 47681 47744 47778 47807 47827 47881 47909 47918 47936 47945 47971 47981 47991 NOTE: ONLY WHEN AVAILABLE
USNG01	RJTD	FM 35-X EXT.	00,12	92014
USPA01	RJTD	FM 35-X EXT.	00,12	91165 91217 91245 91275 91285 91334 91348 91366 91376 91408 91413
USTH01	RJTD	FM 38-X EXT.		TEMP MOBIL (WHEN AVAILABLE)
USVX01	RJTD	FM 36-X EXT.	00,12	TEMP SHIP (WHEN AVAILABLE)
UTPA01	RJTD	FM 41-IV	00,12	CODAR
UXVX01	RJTD	FM 36-X EXT.	00,12	TEMP SHIP (WHEN AVAILABLE)
AXPQ20	RJTD	TOM		BEST TRACK INFORMATION;NOTE: TOM = TYPHOON COMMITTEE OPERATIONAL MANUAL
FJXN20	RJTD	SPECIAL CODE	AS AVAILABLE	STRATALERT
FKPQ30	RJTD	PLAIN LANGUAGE	00,06,12,18	TROPICAL CYCLONE ADVISORY - SIGMET
FKPQ31	RJTD	PLAIN LANGUAGE	00,06,12,18	TROPICAL CYCLONE ADVISORY - SIGMET
FKPQ32	RJTD	PLAIN LANGUAGE	00,06,12,18	TROPICAL CYCLONE ADVISORY - SIGMET

Abbreviated Heading		Code Form Used	Time Group	Content of Bulletin and Remarks
TTAA(ii)	CCCC		(GG)	
FKPQ33	RJTD	PLAIN LANGUAGE	00,06,12,18	TROPICAL CYCLONE ADVISORY - SIGMET
FKPQ34	RJTD	PLAIN LANGUAGE	00,06,12,18	TROPICAL CYCLONE ADVISORY - SIGMET
FKPQ35	RJTD	PLAIN LANGUAGE	00,06,12,18	TROPICAL CYCLONE ADVISORY - SIGMET
FTJP30	RJTD	FM 51-X EXT.	05,11,17,23	RJAA RJBB RJCC RJCH RJFF RJFK RJFO RJFT RJFU RJNK RJNN RJNT RJOA RJOB RJOM RJOO RJOT RJSA RJSN RJSS RJTT ROAH AS AVAILABLE
FTJP31	RJTD	FM 51-X EXT.	05,11,17,23	RJAA RJBB RJCH RJOO RJSS RJTT ROAH
FTJP32	RJTD	FM 51-X EXT.	05,11,17,23	RJCC RJFF RJFK RJFO RJFT RJFU RJNK RJNN RJNT RJOA RJOB RJOT RJSN
FTJP35	RJTD	FM 51-X EXT.	05,11,17,23	RJAA RJBB RJCH RJNN RJOO RJSA RJSN RJTT
FTJP36	RJTD	FM 51-X EXT.	05,11,17,23	RJCC RJFK ROAH
FTJP37	RJTD	FM 51-X EXT.	05,11,17,23	RJAA RJBB RJFF RJNN RJOO RJTT
FTJP38	RJTD	FM 51-X EXT.	05,11,17,23	RJOM RJSA RJSN
FXPQ20	RJTD	TOM		GUIDANCE FOR FORECAST BY NUMERICAL TYPHOON MODEL TYPHON;NOTE: TOM = TYPHOON COMMITTEE OPERATIONAL MANUAL
FXPQ21	RJTD	TOM		GUIDANCE FOR FORECAST BY NUMERICAL TYPHOON MODEL TYPHON;NOTE: TOM = TYPHOON COMMITTEE OPERATIONAL MANUAL
FXPQ22	RJTD	TOM		GUIDANCE FOR FORECAST BY NUMERICAL TYPHOON MODEL TYPHON;NOTE: TOM = TYPHOON COMMITTEE OPERATIONAL MANUAL
FXPQ23	RJTD	TOM		GUIDANCE FOR FORECAST BY NUMERICAL TYPHOON MODEL TYPHON;NOTE: TOM = TYPHOON COMMITTEE OPERATIONAL MANUAL
FXPQ24	RJTD	TOM		GUIDANCE FOR FORECAST BY NUMERICAL TYPHOON MODEL TYPHON;NOTE: TOM = TYPHOON COMMITTEE OPERATIONAL MANUAL
FXPQ25	RJTD	TOM		GUIDANCE FOR FORECAST BY NUMERICAL TYPHOON MODEL TYPHON;NOTE: TOM = TYPHOON COMMITTEE OPERATIONAL MANUAL
SBJP20	RJTD	FM 20-VIII	AS REQUIRED	47415 47418 47432 47572 47582 47590 47636 47639 47695 47705 47773 47791 47792 47806 47869 47899 47909 47920 47937
SEJP20	RJTD	SPECIAL CODE	AS AVAILABLE	SEISMIC DATA
SEJP21	RJTD	SPECIAL CODE	AS AVAILABLE	SEISMIC DATA
SEJP22	RJTD	SPECIAL CODE	AS AVAILABLE	SEISMIC DATA
SEJP23	RJTD	SPECIAL CODE	AS AVAILABLE	SEISMIC DATA
SIJP20	RJTD	FM 12-X EXT.	03,09,15,21	47401 47412 47420 47426 47582 47590 47600 47648 47662 47678 47740 47778 47807 47827 47843 47898 47909 47918 47936 47945 47971 47991
SIJP21	RJTD	FM 12-X EXT.	03,09,15,21	47407 47409 47418 47421 47430 47570 47575 47585 47598 47602 47605 47618 47624 47636 47655 47663 47675 47741 47746 47750 47755 47772 47800 47815 47817 47830 47837 47887 47891 47899 47927
SIPA20	RJTD	FM 12-X EXT.	03,09,15,21	91212 91217 91232 91408 91413
SIVB20	RJTD	FM 13-X	03,09,15,21	SHIP ONLY WHEN AVAILABLE

Abbreviated Heading		Code Form Used	Time Group	Content of Bulletin and Remarks
TTAA(ii)	CCCC		(GG)	
SIVB21	RJTD	FM 13-X	03,09,15,21	SHIP
SIVB22	RJTD	FM 13-X	03,09,15,21	SHIP
SIVB23	RJTD	FM 13-X	03,09,15,21	SHIP
SIVB24	RJTD	FM 13-X	03,09,15,21	SHIP
SIVB25	RJTD	FM 13-X	03,09,15,21	SHIP ONLY WHEN AVAILABLE
SIVD20	RJTD	FM 13-X	03,09,15,21	SHIP ONLY WHEN AVAILABLE
SIVD21	RJTD	FM 13-X	03,09,15,21	SHIP
SIVD22	RJTD	FM 13-X	03,09,15,21	SHIP
SIVD23	RJTD	FM 13-X	03,09,15,21	SHIP
SIVD24	RJTD	FM 13-X	03,09,15,21	SHIP
SIVD25	RJTD	FM 13-X	03,09,15,21	SHIP ONLY WHEN AVAILABLE
SIVE20	RJTD	FM 13-X	03,09,15,21	SHIP ONLY WHEN AVAILABLE
SIVE21	RJTD	FM 13-X	03,09,15,21	SHIP
SIVE22	RJTD	FM 13-X	03,09,15,21	SHIP
SIVE23	RJTD	FM 13-X	03,09,15,21	SHIP
SIVE24	RJTD	FM 13-X	03,09,15,21	SHIP
SIVE25	RJTD	FM 13-X	03,09,15,21	SHIP ONLY WHEN AVAILABLE
SIVX20	RJTD	FM 13-X	03,09,15,21	SHIP ONLY WHEN AVAILABLE
SIVX21	RJTD	FM 13-X	03,09,15,21	SHIP
SIVX22	RJTD	FM 13-X	03,09,15,21	SHIP
SIVX23	RJTD	FM 13-X	03,09,15,21	SHIP
SIVX24	RJTD	FM 13-X	03,09,15,21	SHIP
SIVX25	RJTD	FM 13-X	03,09,15,21	SHIP ONLY WHEN AVAILABLE
SIWB21	RJTD	FM 13-X	03,09,15,21	AUTOMATIC STATIONS (BUOYS
SNJP20	RJTD	FM 12-X EXT.	AS AVAILABLE	47401 47407 47409 47412 47417 47418 47420 47421 47423 47426 47430 47570 47575 47582 47584 47585 47588 47590 47595 47598 47600 47602 47604 47605 47607 47610 47615 47616 47618 47624 47626 47629 47632 47636 47638 47648 47651 47655 47656 47662 47663 47670 47672 47675 47678 47740 47741 47746 47747 47750 47755 47759 47761 47762 47765 47768 47770 47772 47777 47778 47780 47800 47807 47813 47815 47817 47819 47827 47830 47837 47842 47843 47887 47891 47893 47895 47898 47899 47909 47912 47918 47927 47936 47945 47971 47991
SNVB20	RJTD	FM 13-X	AS AVAILABLE	SHIP
SNVB21	RJTD	FM 13-X	AS AVAILABLE	SHIP
SNVD20	RJTD	FM 13-X	AS AVAILABLE	SHIP
SNVD21	RJTD	FM 13-X	AS AVAILABLE	SHIP

Abbreviated Heading		Code Form Used	Time Group	Content of Bulletin and Remarks
TTAA(ii)	CCCC		(GG)	
SNVE20	RJTD	FM 13-X	AS AVAILABLE	SHIP
SNVE21	RJTD	FM 13-X	AS AVAILABLE	SHIP
SNVX20	RJTD	FM 13-X	AS AVAILABLE	SHIP
SNVX21	RJTD	FM 13-X	AS AVAILABLE	SHIP
WCJP31	RJAA	PLAIN LANGUAGE		SIGMET (TROPICAL CYCLONE)
WEPA40	RJTD			TSUNAMI WARNINGS
WSJP31	RJAA	PLAIN LANGUAGE		SIGMET
WTPQ20	RJTD	TOM		TYPHOON ADVISORY FOR ANALYSIS AND FORECAST NOTE: TOM =TYPHOON COMMITTEE OPERATIONAL MANUAL
WTPQ21	RJTD	TOM		TYPHOON ADVISORY FOR ANALYSIS AND FORECAST NOTE: TOM =TYPHOON COMMITTEE OPERATIONAL MANUAL
WTPQ22	RJTD	TOM		TYPHOON ADVISORY FOR ANALYSIS AND FORECAST NOTE: TOM =TYPHOON COMMITTEE OPERATIONAL MANUAL
WTPQ23	RJTD	TOM		TYPHOON ADVISORY FOR ANALYSIS AND FORECAST NOTE: TOM =TYPHOON COMMITTEE OPERATIONAL MANUAL
WTPQ24	RJTD	TOM		TYPHOON ADVISORY FOR ANALYSIS AND FORECAST NOTE: TOM =TYPHOON COMMITTEE OPERATIONAL MANUAL
WTPQ25	RJTD	TOM		TYPHOON ADVISORY FOR ANALYSIS AND FORECAST NOTE: TOM =TYPHOON COMMITTEE OPERATIONAL MANUAL
WTPQ30	RJTD	TOM		ADVISORY FOR PROGNOSTIC REASONING;NOTE: TOM = TYPHOON COMMITTEE OPERATIONAL MANUAL
WTPQ31	RJTD	TOM		ADVISORY FOR PROGNOSTIC REASONING;NOTE: TOM = TYPHOON COMMITTEE OPERATIONAL MANUAL
WTPQ32	RJTD	TOM		ADVISORY FOR PROGNOSTIC REASONING;NOTE: TOM = TYPHOON COMMITTEE OPERATIONAL MANUAL
WTPQ33	RJTD	TOM		ADVISORY FOR PROGNOSTIC REASONING;NOTE: TOM = TYPHOON COMMITTEE OPERATIONAL MANUAL
WTPQ34	RJTD	TOM		ADVISORY FOR PROGNOSTIC REASONING;NOTE: TOM = TYPHOON COMMITTEE OPERATIONAL MANUAL
WTPQ35	RJTD	TOM		ADVISORY FOR PROGNOSTIC REASONING;NOTE: TOM = TYPHOON COMMITTEE OPERATIONAL MANUAL
WVJP31	RJAA	PLAIN LANGUAGE		SIGMET (VOLCANIC ASH CLOUD)
WWJP20	RJTD	PLAIN LANGUAGE	00,06,12,18	WARNINGS AND WEATHER SUMMARY
WWJP21	RJTD	PLAIN LANGUAGE	03,09,15,21	TYPHOON/STORM WARNINGS
TCNA20	RJTD	FM 85-IX	00,03,06,09,12,15,18,21	SAREP (PART A) REPORTS FROM METEOROLOGICAL SATELLITE CENTRE: 47644 KIYOSE
TCNA21	RJTD	FM 85-IX	00,06,12,18	SATELLITE SAREP REPORTS
TTXA01	RJTD	FM 88-X		SATELLITE OBSERVED MEAN SEA-SURFACE TEMPERATURE (5 DAYS MEAN VALUE)
TTXA02	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD

Abbreviated Heading		Code Form Used	Time Group	Content of Bulletin and Remarks
TTAA(ii)	CCCC		(GG)	
TTXA03	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA04	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA05	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA06	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA07	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA08	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA09	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA10	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA11	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA12	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA13	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA14	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA15	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA16	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA17	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA18	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA19	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA20	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA21	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA22	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA23	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA24	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA25	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA26	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA27	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA28	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA29	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TTXA30	RJTD	FM 88-X		REMAINDER OF TTXA01 RJTD
TWNA01	RJTD	FM 88-X	00,06,12,18	SATELLITE OBSERVED WIND DATA
TWNA02	RJTD	FM 88-X	00,06,12,18	REMAINDER OF TWNA01 RJTD
TWNA03	RJTD	FM 88-X	00,06,12,18	REMAINDER OF TWNA01 RJTD
TWNA04	RJTD	FM 88-X	00,06,12,18	REMAINDER OF TWNA01 RJTD
TWNA05	RJTD	FM 88-X	00,06,12,18	REMAINDER OF TWNA01 RJTD
TWNA06	RJTD	FM 88-X	00,06,12,18	REMAINDER OF TWNA01 RJTD

Abbreviated Heading TTAA(ii)	CCCC	Code Form Used	Time Group (GG)	Content of Bulletin and Remarks
TWNA07	RJTD	FM 88-X	00,06,12,18	REMAINDER OF TWNA01 RJTD
TWNA08	RJTD	FM 88-X	00,06,12,18	REMAINDER OF TWNA01 RJTD
TWNA09	RJTD	FM 88-X	00,06,12,18	REMAINDER OF TWNA01 RJTD
TWNA10	RJTD	FM 88-X	00,06,12,18	REMAINDER OF TWNA01 RJTD
TWNA11	RJTD	FM 88-X	00,06,12,18	REMAINDER OF TWNA01 RJTD
TWNA12	RJTD	FM 88-X	00,06,12,18	REMAINDER OF TWNA01 RJTD
TWSA01	RJTD	FM 88-X	00,06,12,18	SATELLITE OBSERVED WIND DATA
TWSA02	RJTD	FM 88-X	00,06,12,18	REMAINDER OF TWSA01 RJTD
TWSA03	RJTD	FM 88-X	00,06,12,18	REMAINDER OF TWSA01 RJTD
TWSA04	RJTD	FM 88-X	00,06,12,18	REMAINDER OF TWSA01 RJTD
TWSA05	RJTD	FM 88-X	00,06,12,18	REMAINDER OF TWSA01 RJTD
TWSA06	RJTD	FM 88-X	00,06,12,18	REMAINDER OF TWSA01 RJTD
TWSA07	RJTD	FM 88-X	00,06,12,18	REMAINDER OF TWSA01 RJTD
TWSA08	RJTD	FM 88-X	00,06,12,18	REMAINDER OF TWSA01 RJTD
TWSA09	RJTD	FM 88-X	00,06,12,18	REMAINDER OF TWSA01 RJTD
TWSA10	RJTD	FM 88-X	00,06,12,18	REMAINDER OF TWSA01 RJTD
TWSA11	RJTD	FM 88-X	00,06,12,18	REMAINDER OF TWSA01 RJTD
TWSA12	RJTD	FM 88-X	00,06,12,18	REMAINDER OF TWSA01 RJTD

NAME OF COUNTRY: RUSSIAN FEDERATION (ASIA)
COMPILING OR EDITING CENTRE: NOVOSIBIRSK DATE: 05/05/1998

Changes in contents for the following bulletins:

SMRA15	RUNW	FM 12-X EXT.	00,06,12,18	23074 23274 23383 23472 23678 23884 23891 24105 24507 24817 24908 29263 29282 29570 29698 29862 30230 30309 30521 30710
SMRA16	RUNW	FM 12-X EXT.	00,06,12,18	23973 23975 23987 29253 29471 29481 29553 29562 29581 29594 29653 29675 29676 29759 29766 29864 29869 29956 30337 30405 30504 30514 30603 30612 30622 30627 30703
SIRA25	RUNW	FM 12-X EXT.	03,09,15,21	23074 23274 23383 23472 23678 23884 23891 24105 24507 24817 24908 29263 29282 29570 29698 29862 30230 30309 30521 30710
SIRA31	RUNW	FM 12-X EXT.	03,09,15,21	23929 28383 28465 28498 28586 28588 28688 28696 28791 29789 30028 30117 30253 30328
SIRA32	RUNW	FM 12-X EXT.	03,09,15,21	29068 29274 29363 29456 29477 29498 29576 29587 29756 29892 29894 29962 30151 30157 30229 30320 30424 30439 30507 30537 30618 30713 30815
SMRA21	RUNW	FM 12-X EXT.	00,06,12,18	23929 28383 28465 28498 28586 28588 28688 28696 28791 29789 30028 30117 30253 30328
SMRA22	RUNW	FM 12-X EXT.	00,06,12,18	29068 29274 29363 29456 29477 29498 29576 29587 29756 29892 29894 29962 30151 30157 30229 30320 30424 30439 30507 30537 30618 30713 30815

Abbreviated Heading TTAA(ii)	Code Form Used CCCC		Time Group (GG)	Content of Bulletin and Remarks
NAME OF COUNTRY: CANADA				
COMPILING OR EDITING CENTRE: MONTREAL				DATE: 07/07/1998
Changes in contents for the following bulletins:				
CUCN07	CWAO	FM 75-X	MONTHLY	71867 71906 71908
UECN06	CWAO	FM 35-X EXT.	00,12	71109 71203 71908 71945 71964
UGCN06	CWAO	FM 32-IX	00,12	71109 71203 71908 71945 71964
UKCN06	CWAO	FM 35-X EXT.	00,12	71109 71203 71908 71945 71964
ULCN06	CWAO	FM 35-X EXT.	00,12	71109 71203 71908 71945 71964
UQCN06	CWAO	FM 32-IX	00,12	71109 71203 71908 71945 71964
USCN06	CWAO	FM 35-X EXT.	00,12	71109 71203 71908 71945 71964
NAME OF COUNTRY: AUSTRALIA				
COMPILING OR EDITING CENTRE: MELBOURNE				DATE: 04/0671998
The Volcanic Ash Advisory Bulletin issued by Darwin VAAC will now be compiled under the WMO abbreviated heading FVA01 ADRM instead of FVXX01 ADRM				
Update the following bulletins:				
FVAU01	ADRM	PLAIN LANGUAGE	AS REQUIRED	VOLCANIC ASH ADVISORY
SNAU01	AMMC	FM 12-X EXT.	01,07	94200 94203 94211 94212 94214 94300 94302 94312 94313 94317 94319 94403 94430 94448 94451 94461 94601 94610 94634 94635 94637 94638 94642 94643 94647 94651 94802 95205
SNAU01	AMMC	FM 12-X EXT.	13	94203 94212 94300 94302 94312 94319 94403 94430 94461 94601 94610 94637 94638 94647 94651 94802 95205
SNAU01	AMMC	FM 12-X EXT.	19	94200 94203 94212 94214 94300 94302 94312 94313 94319 94403 94430 94448 94601 94610 94635 94637 94638 94642 94647 94651 94802 95205
SNAU02	AMMC	FM 12-X EXT.	05,23	94102 94111 94120 94132 94146 94150 94236 94238 94248 94322 94324 94326 94327 94462 94466
SNAU02	AMMC	FM 12-X EXT.	11	94102 94111 94120 94132 94146 94150 94236 94238 94248 94322 94324 94326 94327 94462 94466
SNAU02	AMMC	FM 12-X EXT.	17	94102 94111 94120 94132 94146 94150 94236 94238 94248 94324 94326 94462 94466
UEAU01	AMMC	FM 35-X EXT.	12	94120 94203 94302 94312
UHAU01	AMMC	FM 32-IX	00,12	94120 94150 94203 94212 94238 94300 94302 94312 94326
UKAU01	AMMC	FM 35-X EXT.	00	94120 94150 94203 94302 94312 94326
ULAU01	AMMC	FM 35-X EXT.	12	94120 94203 94302 94312
UPAU01	AMMC	FM 32-IX	06,18	94120 94150 94203 94212 94238 94300 94302 94326
UHAU01	AMMC	FM 32-IX	06,18	94120 94150 94203 94212 94238 94300 94302 94326
UGAU21	AMMC	FM 32-IX	06,18	94120 94150 94203 94212 94238 94300 94302 94326
UPAU01	AMMC	FM 32-IX	00,12	94120 94150 94203 94212 94238 94300 94302 94312 94326
USAU01	AMMC	FM 35-X EXT.	12	94120 94203 94302 94312

Abbreviated Heading TTAA(ii)	Code Form Used CCCC		Time Group (GG)	Content of Bulletin and Remarks
WVAU01	ADRM	PLAIN LANGUAGE	AS REQUIRED	VOLCANIC ASH WARNINGS
SIPS40	AMMC	FM 12-X EXT.	03,09,15,21	91375 91519 91531 91559 91611 91642 91679 91689 91756 91789 91844 93713
SMPS40	AMMC	FM 12-X EXT.	00,06,12,18	91375 91519 91531 91559 91611 91642 91679 91689 91756 91789 91844 93713
SNAU21	AMMC	FM 12-X EXT.	04	94200 94203 94212 94214 94300 94302 94312 94319 94403 94430 94448 94461 94601 94610 94634 94635 94637 94638 94643 94647 94651 94802 95205
SNAU21	AMMC	FM 12-X EXT.	10	94203 94212 94214 94300 94302 94312 94313 94319 94403 94430 94448 94461 94601 94610 94634 94635 94637 94638 94642 94647 94651 94802 95205
SNAU21	AMMC	FM 12-X EXT.	16	94203 94212 94214 94300 94302 94312 94319 94403 94430 94448 94461 94601 94610 94634 94635 94637 94638 94643 94647 94651 94802 95205
SNAU21	AMMC	FM 12-X EXT.	22	94200 94203 94211 94212 94214 94300 94302 94312 94313 94319 94403 94430 94448 94451 94461 94601 94610 94634 94635 94637 94638 94642 94643 94647 94651 94802 95205
SNAU22	AMMC	FM 12-X EXT.	02	94102 94111 94120 94132 94146 94150 94236 94238 94248 94322 94324 94326 94327 94462 94466
SNAU22	AMMC	FM 12-X EXT.	08	94102 94111 94120 94132 94150 94238 94248 94322 94326 94462
SNAU22	AMMC	FM 12-X EXT.	14	94102 94111 94120 94150 94238 94326 94462
SNAU22	AMMC	FM 12-X EXT.	20	94102 94111 94120 94132 94150 94236 94238 94248 94322 94324 94326 94327 94462 94466
SNPS40	AMMC	FM 12-X EXT.	01,02,04,05,07,08,10,11,13,14,16,17,19,20,22,23	91375 91519 91531 91559 91611 91642 91679 91689 91756 91789 91844 93713
UGAU21	AMMC	FM 32-IX	00,12	94120 94150 94203 94212 94238 94300 94302 94312 94326

NAME OF COUNTRY: FIJI

COMPILING OR EDITING CENTRE: NADI DATE: 01/05/1998

New bulletins:

SAFJ31	NFFN	FM 15-X EXT.	HOURLY	NFFN
SAFJ31	NFNA	FM 15-X EXT.	HOURLY	NFNA
SPFJ31	NFFN	FM 16-X EXT.	AS REQUIRED	NFFN
SPFJ31	NFNA	FM 16-X EXT.	AS REQUIRED	NFNA

NAME OF COUNTRY: VANUATU

COMPILING OR EDITING CENTRE: PORT VILA DATE: 08/05/1998

New bulletins:

FTNV01	NVVV	FM 51-X EXT.	00,06,20	NVSS NVVK NVVV

Abbreviated Heading TTAA(ii)	Code Form Used CCCC		Time Group (GG)	Content of Bulletin and Remarks
NAME OF COUNTRY: COOK ISLANDS				
COMPILING OR EDITING CENTRE: RAROTONGA				DATE: 01/05/1998
New bulletin:				
SAKU31	NCRG	FM 15-X EXT.	HOURLY	NCRG
NAME OF COUNTRY: HUNGARY				
COMPILING OR EDITING CENTRE: BUDAPEST				DATE: 01/06/1998
Replace pages for Hungary with the following entries:				
CSHU01	HABP	FM 71-X		12843 12882 12925 12942 12982
CUHU01	HABP	FM 75-X		12843 12982
SMHU01	HABP	FM 12-X EXT.	00,06,12,18	12772 12822 12843 12882 12925 12942 12982
UEHU01	HABP	FM 35-X EXT.	00,12	12843
UEHU02	HABP	FM 35-X EXT.	00	12982
UKHU01	HABP	FM 35-X EXT.	00,12	12843
UKHU02	HABP	FM 35-X EXT.	00	12982
ULHU01	HABP	FM 35-X EXT.	00,12	12843
ULHU02	HABP	FM 35-X EXT.	00	12982
USHU01	HABP	FM 35-X EXT.	00,12	12843
USHU02	HABP	FM 35-X EXT.	00	12982
SIHU21	HABP	FM 12-X EXT.	03,09,15,21	12772 12822 12843 12882 12925 12942 12982
SIHU41	HABP	FM 12-X EXT.	03,09,15,21	12825 12851 12860 12892 12935 12950 12992
SIHU42	HABP	FM 12-X EXT.	03,09,15,21	12805 12815 12825 12830 12844 12870 12910 12915 12920 12932 12960 12970
SIHU43	HABP	FM 12-X EXT.	03,09,15,21	12756 12766 12786 12836 12846 12866
SMHU41	HABP	FM 12-X EXT.	00,06,12,18	12825 12851 12860 12892 12935 12950 12992
SMHU42	HABP	FM 12-X EXT.	00,06,12,18	12805 12815 12825 12830 12844 12870 12910 12915 12920 12932 12960 12970
SMHU43	HABP	FM 12-X EXT.	00,06,12,18	12756 12766 12786 12836 12846 12866
SNHU41	HABP	FM 12-X EXT.	HOURLY(00-24)	12772 12822 12825 12843 12851 12860 12882 12892 12925 12935 12942 12950 12982 12992
SNHU42	HABP	FM 12-X EXT.	HOURLY(00-24)	12805 12815 12825 12830 12844 12870 12910 12915 12920 12932 12960 12970
SNHU43	HABP	FM 12-X EXT.	HOURLY(00-24)	12756 12766 12786 12836 12846 12866
SNHU86	HABP	FM 12-X EXT.	HOURLY(00-24)	12756 12766 12772 12786 12805 12815 12822 12825 12830 12836 12843 12844 12846 12851 12860 12866 12870 12882 12892 12910 12915 12920 12925 12932 12935 12942 12950 12960 12970 12982 12992
SRHU20	HABP	FM 67-VI	09,15	HYDROLOGICAL DATA OF THE DANUBE CATCHMENT
SUHU30	HABP		10	12851 SNOW DEPTH BETWEEN 1 DECEMBER AND 1 MARCH

Abbreviated Heading TTAA(ii)	CCCC	Code Form Used	Time Group (GG)	Content of Bulletin and Remarks
NAME OF COUNTRY:NORWAY				
COMPILING OR EDITING CENTRE: OSLO				DATE: 23/06/1998
Delete the following bulletins:				
FCNO41				
FCNO42				
FCNO44				
FTNO41				
SANO41				
SANO42				
SANO44				
SANO45				
SANO46				
Add the following new bulletins:				
FCNO31	ENMI	FM 51-X EXT.	02,05,08,11,14,17,20,23	ENAN ENBO ENBR ENFB ENGM ENOL ENVA ENZV
FCNO32	ENMI	FM 51-X EXT.	02,05,08,11,14,17,20,23	ENAL ENCN ENHD ENRO ENRY ENSB ENTC ENTO
FCNO33	ENMI	FM 51-X EXT.	02,05,08,11,14,17,20,23	ENAT ENDU ENEV ENFL ENKR ENML ENNA
FCNO34	ENMI	FM 51-X EXT.	02,05,08,11,14,17,20,23	ENBN ENBV ENDI ENEK ENFG ENHF ENRA ENSH
FCNO35	ENMI	FM 51-X EXT.	02,05,08,11,14,17,20,23	ENBL ENGC ENKB ENLI ENMS ENOA
FCNO36	ENMI	FM 51-X EXT.	02,05,08,11,14,17,20,23	ENRM ENRS ENSK ENSO ENST ENVD
FTNO31	ENMI	FM 51-X EXT.	05,11,17,23	ENAN ENBO ENBR ENFB ENGM ENOL ENVA ENZV
SANO31	ENMI	FM 15-X EXT.	H+20, H+50	ENAN ENBO ENBR ENFB ENGM ENOL ENVA ENZV
SANO32	ENMI	FM 15-X EXT.	H+20, H+50	ENAL ENCN ENHD ENRO ENRY ENSB ENTC ENTO
SANO33	ENMI	FM 15-X EXT.	H+20, H+50	ENAT ENDU ENEV ENFL ENKR ENML ENNA
SANO34	ENMI	FM 15-X EXT.	H+20, H+50	ENBN ENBV ENDI ENEK ENFG ENHF ENRA ENSH
SANO35	ENMI	FM 15-X EXT.	H+20, H+50	ENBL ENGC ENKB ENLI ENMS ENOA
SANO36	ENMI	FM 15-X EXT.	H+20, H+50	ENRM ENRS ENSK ENSO ENST ENVD
SANO37	ENMI	FM 15-X EXT.	H + 20	ENBS ENFR ENHK ENHV ENLK ENMH ENNK ENNM
SANO38	ENMI	FM 15-X EXT.	H + 20	ENNO ENOV ENSD ENSG ENSN ENSR ENSS

V. MARINE METEOROLOGICAL SERVICES (MMS) AND RELATED OCEANOGRAPHIC ACTIVITIES

1. AUSTRALIAN RADIO FACSIMILE
Future of AXM/AXI Services

The AXM/AXI Services

The Bureau of Meteorology has for many years been supplying the marine community with weather information in the form of charts broadcast via its AXM/AXI radiofacsimile services. The HF transmitters for this service are provided and operated by the Royal Australian Navy (RAN).

The future

The RAN is redeveloping its radio broadcasting systems, and is planning to commission a new communications facility in the next few years. HF radio transmissions for the purpose of maintaining the AXM/AXI service are not currently included in these plans.

This survey - Your input highly valued

They are therefore seeking input from as many users of the AXM/AXI radiofacsimile service, particularly in regard to current utilization, and the impact on their activities if the service is terminated at some future stage.

Please take the time to fill in the attached questionnaire. Should you wish to use the electronic version of the questionnaire see details below. Your input will be an important factor in shaping the future of Australian marine weather services to shipping and other activities taking place on the high seas.

Questionnaires should be completed and returned no later than 31 December 1998.

Survey questionnaires are also available from the following sources:

- ⇨ Eletronic format: http://www.wmo.ch/web/ddbs/jen/MMS/VolD/form_page_1.html
- ⇨ AXM/AXI broadcast at 0515UTC-0600UTC daily.
- ⇨ The Bureau's Web site at http://www.bom.gov.au/other/rad_sch
- ⇨ Facsimile: (in poll-mode 039661223 [within Australia] or +61396621223 [international]).
- ⇨ Mail: For the attention of:
  SRRT, National Meteorological Operations Centre,
  Bureau of Meteorology,
  GPO Box 1289K,
  Melbourne,
  Victoria 3001,
  Australia

Survey: AXM/AXI radio-facsimile services

1. Please provide your :

   Name: _____

   Office/Rank: _____

   Name of Company/Vessel: _____

   Address: _____

   _____

   e-mail address: _____

2. What class of user are you?

   Merchant ship ☐ Fishing vessel ☐ Transport ☐ Yacht ☐ Hobby ☐ Other [please specify]

   _____

3. What routes/regions do you operate in, or, what country / state / province / city do you operate from?

   _____

   _____

4. What AXM/AXI charts are of most importance to your activities?

   _____

   _____

5. Do you use other marine radio services, eg.VHF, HF voice, for your activities? Please specify

   _____

   _____

6. Do you have Satcoms available eg. Inmarsat A,B, C, M? Please specify.

   _____

   _____

7. If AXM/AXI services are no longer available to you, what alternative means for obtaining weather charts could you use?

   _____

   _____

8. Overall, please describe the impact of the services ceasing

   _____

   _____

2. Volume D - Information for Shipping - Chapter I, Part 3: Global Maritime Distress and Safety System (GMDSS)

2.1 TRANSMISSION SCHEDULE FOR FULL GMDSS SERVICE

MET-AREA	Issuing Service/ Service de diffusion	Coast Earth Station Station terriennes côtières	SATELLITE Ocean Region / Région Océanique	Broadcast schedule (UTC) / Heure de diffusion (UTC)							
				00	03	06	09	12	15	18	21
I	United Kingdom	Goonhilly	AOR (E)	-	-	-	0930	-	-	-	2130
II	France	Aussaguel	AOR (E)	-	-	-	0900	-	-	-	2100
II	France	Goonhilly	AOR (W)	-	-	-	0900	-	-	-	2100
III	Greece (1)	Thermopylae	(IOR)	-	-	-	0930	-	-	-	2130
IV	USA	Southbury	AOR (W)	-	0430	-	1030	-	1630	-	2230
V	Brazil	Tangua (1998?)	AOR (E)	0130	-	0730	-	1330	-	1930	-
VI	Argentina	Southbury	AOR (W)	0230	-	-	-	-	-	1730	-
VII AOR	South Africa	Burum	AOR (E)	-	-	-	0940	-	-	1940	-
VII IOR	South Africa (2)	Burum	IOR	-	-	-	0940	-	-	1940	-
VIII (N) (north of equator)	India	Arvi	IOR	-	-	-	0900	-	-	-	-
VIII (S) (south of equator)	Mauritius/La Réunion (via France)	Aussaguel*	IOR	0130 * Effective 1/11/98	-	0830 *	-	0330 * Effective 1/11/98	1630*	-	-
IX	Pakistan	Perth	IOR	-	-	0700	-	-	-	-	-
X IOR	Australia	Perth	IOR	-	-	-	1030	-	-	-	2330
X POR	Australia	Perth	POR	-	0450 (3) (Bass Strait only)	-	1100	-	1550 (3) (Bass Strait only)	-	2300
XI IOR	China (for IOR)	Beijing	IOR	-	0330	-	0945	-	1530	-	2145

MET-	Issuing Service/	Coast Earth Station	SATELLITE	Broadcast schedule (UTC) / Heure de diffusion (UTC)							
AREA	Service de diffusion	Station terriennes côtières	Ocean Region / Région Océanique	00	03	06	09	12	15	18	21
XI POR	Japan (for POR) (4)	Yamaguchi	POR:								
		North of equator		0230	-	0830	-	1430	-	2030	-
		South of equator		-	-	0815	-	-	-	2015	-
XII	USA	Santa Paula	POR	-	0545	-	1145	-	1745	-	2345
XII	USA	Southbury	AOR (W)	-	0545	-	1145	-	1745	-	2345
XIII	Russian Federation	Nakhodka (5)	POR (5)	-	-	-	-	-	-	-	-
XIV	New Zealand	Perth	POR	0100 (3) (NZ coast only)	0330 (warnings only)	-	0930	1300 (5) (NZ coast only)	1530 (warnings only)	-	2130
XV	Chile	Southbury	AOR (W)	-	-	-	-	-	-	1845	-
XVI	USA	Southbury	AOR (W)	-	0515	-	1115	-	1715	-	2315

* Effective 1 November 1998 bulletins will be broadcast at 0130 and 1330 UTC instead of 0830 and 1630 UTC
A partir du 1 novembre 1998 les bulletins seront transmis à 0130 et 1330 UTC au lieu de 0830 et 1630 UTC

(1) Scheduled bulletins and warnings for the western Mediterranean Sea are prepared by France. /
Les bulletins et avis pour la Méditerranée sont élaborées par la France.

(2) Forecast for area 30°S-50°E / 50°S-80°E and tropical cyclone warnings are prepared by La Réunion /
Prévision pour la zone 30°S-50°E / 50°S-80°E et les avis de cyclone tropical sont élaborées par La Réunion.

(3) Local times /
Heures locale.

(4) Scheduled bulletins and warnings for south of equator are prepared by Australia/
Les diffusions et les avis pour les zones au sud de l'Equateur sont élaborés par l'Australie

(5) Planned to commence in 1997/
Prévu d'être en opération en 1997

2.2 TRANSMISSION SCHEDULE FOR INTERIM URGENT METEOROLOGICAL WARNING INFORMATION SERVICE

MET-AREA	Preparation Service/ Service d'élaboration	Issuing Service/ Service de diffusion	Coast Earth Station Station terriennes côtières	SATELLITE Ocean Region/ Région Océanique	Broadcast schedule (UTC) / Heure de diffusion (UTC)							
					00	03	06	09	12	15	18	21
V	Brazil	USA	Southbury	(AOR (W))	-	-	-	-	-	-	2000	-
IX	Saudi Arabia	Australia	Perth	(IOR)	-	-	0845	-	-	-	-	-
XIII	Japan (south of 60°N)	Japan (1)	Yamaguchi	(POR)	0230	-	0830	-	1430	-	2030	-

(1) Included as part of full GMDSS services broadcast for METAREA XI/
Inclus dans la diffusion complète du service GMDSS pour le METAREA XI.

2.3 TRANSMISSION SCHEDULE FOR NATIONAL SAFETYNET SERVICES

Coverage Zone couverte	Issuing Service/ Service de diffusion	Coast Earth Station Station terriennes côtières	SATELLITE Ocean Region/ Région Océanique	Broadcast schedule (UTC) / Heure de diffusion (UTC) 00	03	06	09	12	15	18	21
10°N - 10°S 90°E - 120°E	Singapore	Singapore	IOR	0118 (1)				1318 (1)			

(1) Plus one immediate repeat /

Plus un répétition immédiatement après