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W/OIS

GENEVA, 31 August 1992

Annexes: 4

Subject: Monthly letter on the operation of the World Weather Watch (WWW) and Marine Meteorological Services (MMS) – August 1992

Action required: To be noted and brought to the attention of appropriate operational units

Dear Sir/Madam,

As you are aware, all the information on changes to the operation of the World Weather Watch (WWW) and Marine Meteorological Services (MMS) is being assembled and distributed by the Secretariat on a monthly basis to facilitate updating and follow-up action.

In this connection, please find attached the annexes providing the latest operational information on WWW and MMS. Those items and sub-items for which information is provided are listed below:

ANNEX I – Global Observing System

C. Information on operational status of elements of the surface-based sub-system

1. Publication No. 9, Volume A - Stations
 - 1.1 New stations
 - 1.2 Deleted stations
 - 1.3 Changes to existing stations
 - 1.4 Changes in index numbers

To: Permanent Representatives (or Directors of Meteorological or Hydro-meteorological Services) of Members of WMO (PR-4783)
Directors of Meteorological Services of non-Member countries (MC-2470)
Presidents and Vice-Presidents of Regional Associations (P.RA-1300)
Presidents and Vice-Presidents of Technical Commissions (P.TC-1418)
Chairmen of CBS Working Groups
Secretary-General of ICAO
Director-General of IATA
Secretary of IOC
Director-General of ASECNA
Director of ECMWF

ANNEX I – Global Observing System (cont.)

C. Information on operational status of elements of the surface-based sub-system

4. Automatic marine stations
 - 4.1 Canada
 - 4.1.1 Moored Buoys
 - 4.1.2 Drifting Buoys
 - 4.2 United States of America
 - 4.2.1 Moored Buoys
 - 4.2.2 Drifting Buoys
 - 4.3 France
 - 4.3.2 Drifting Buoys
5. ARGOS service
 - 5.1 ARGOS monthly status report
7. Feed-back from Members to the Secretariat on any changes in the observing network

ANNEX II – Global Data-processing System

B. Information on the operational status of GDPS including changes to WMO Publication No. 9, Volume B

2. RSMC output products
 - 2.1 New products

ANNEX III – Global Telecommunication System

C. Information on the operation of the GTS

1. Catalogue of Meteorological Bulletins (Publication No. 9, Volume C, Chapter I)
 - 1.3 Changes to bulletins
 - 1.5 Bulletins for oceanographic data
6. Coastal Radio Stations (Publication No. 9, Volume D, Part B)
 - 6.3 Changes to existing stations

ANNEX V – Marine Meteorological Services (MMS) and related oceanographic activities

C. Information on the operation of Marine Meteorological Services

1. Broadcasts for shipping and other marine activities (Publication No. 9, Volume D, Part A)
 - 1.3 Changes in schedules/technical specifications

The CBS Advisory Working Group recommended that a special table should be added to the monthly letter to report changes of the present status of implementation of observing programmes of SYNOP, TEMP and PILOT reporting stations. You will note, therefore, that a new item, number 7, "Feed-back from Members to the Secretariat on any changes in the observing network" has been added to Annex I - Global Observing System.

Your co-operation in ensuring that the above information reaches the appropriate operational units of your service is greatly appreciated. If you wish to receive additional copies of the monthly circular letter, please inform the Secretariat accordingly.

Yours faithfully,

A handwritten signature in black ink, appearing to be 'G.O.P. Obasi', written over a horizontal line.

(G.O.P. Obasi)
Secretary-General

ANNEX I - Global Observing System

Date: August 1992

C. Information on operational status of elements of the surface-based sub-system

1. Publication No. 9, Volume A - Stations

1.1 New stations

Index No.	Name	Latitude	Longitude	Elevation		Pressure Level	Surface observations								Obs. H Obs. S	Upper-air				Re- marks	
				HP	H/HA		00	03	06	09	12	15	18	21		00	06	12	18		
06244	HOORN AWS	52° 39 'N	05° 03 'E	-	-		X	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
06267	STAVOREN AWS	52° 53 'N	05° 21 'E	-	3		X	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
06269	LELYSTAD AWS	52° 27 'N	05° 32 'E	-3	-4		X	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
06273	MARKNESSE AWS	52° 42 'N	05° 53 'E	-	-3		X	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
06277	LAUWERSOOG AWS	53° 25 'N	06° 12 'E	-	0		X	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
06278	HEINO AWS	52° 26 'N	06° 16 'E	-	5		X	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
06283	HUPSEL AWS	52° 04 'N	06° 39 'E	-	29		X	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
06286	NIEUW BEERTA AWS	53° 12 'N	07° 09 'E	-	0		X	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
06316	SCHAAR WP	51° 39 'N	03° 42 'E	-	0		.	.	.	.	.	.	.	.	.	H00-24	.	.	.	.	AUT DIFF
06319	WESTDORPE AWS	51° 32 'N	03° 54 'E	-	2		X	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
06323	WILHELMINADORP AWS	51° 32 'N	03° 54 'E	-	1		X	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
06356	HEWJNEN AWS	51° 52 'N	05° 09 'E	-	1		X	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
06379	OOST MAARLAND AWS	50° 48 'N	05° 43 'E	-	49		X	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
06391	ARCEN AWS	51° 30 'N	06° 12 'E	-	19		X	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
47106	TONGHAE RADAR	37° 30 'N	129° 08 'E	32	31		X	X	X	X	X	X	X	X	X		.	.	.	.
47144	KUNSAN RADAR	36° 01 'N	126° 47 'E	-	215		.	.	.	.	.	.	.	.	.		.	.	.	.
47160	PUSAN RADAR	35° 07 'N	129° 00 'E	-	523		.	.	.	.	.	.	.	.	.		.	.	.	.
47164	MUAN (effective 1.1.93)	35° 06 'N	126° 17 'E	24	23		X	X	X	X	X	X	X	X	X		.	.	.	.
47166	MOKPO AIRPORT	34° 45 'N	126° 23 'E	4	7		.	.	.	.	.	.	.	.	.	H21-10	.	.	.	.
71396	HALIFAX METOC, N.S.	44° 40 'N	63° 35 'W	10	0		.	.	.	.	.	.	.	.	.		.	.	.	.	RW
71510	ROSETOWN EAST, SASK	51° 34 'N	107° 55 'W	-	586		X	.	X	.	X	.	X	.	.		.	.	.	.
93749	ST. BATHANS	44° 52 'S	169° 49 'E	-	640		.	.	.	.	.	.	.	.	X		.	.	.	.

1.2 Deleted stations

Index No.	Name
06200	YPENBURG
06227	PETTEN
06261	DE BILT AWS
06266	KORNWERDERZAND AWS
71399	SHELBURNE, N.S.
89044	DRUZHNYAYA
89574	PROGRESS
89657	LENINGRADSKAJA

1.3 Changes to existing stations

Index No.	Name	Surface observations								Obs. H Obs. S	Upper-air				Re- marks
		00	03	06	09	12	15	18	21		00	06	12	18	
06210	VALKENBURG	X	X	X	X	X	X	X	X	H00-24	.	R	.	.	
06275	DEELEN	X	X	X	X	X	X	X	X	S00-24	.	.	.	.
06279	HOOGEVEEN AWS	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
06340	WOENSDRECHT	.	.	X	X	X	X	.	.	S06-14	.	.	.	.
06343	ROTTERDAM GEULHAVEN AWS	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
06348	CABAUW TOWER	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
06385	DE PEEL	.	.	.	.	.	.	.	.	S00-24	.	.	.	.
71115	VERNON, B.C.	.	.	.	.	.	.	.	.		RW	.	RW	.	
71122	BANFF, ALTA.	X	.	X	.	.	.	.	.		.	.	.	.
71600	SABLE ISLAND, N.S.	X	.	X	.	X	.	X	.		RW	.	RW	.	
71845	PICKLE LAKE, ONT.	X	.	X	.	X	.	X	.		RW	.	RW	.	
71848	BIG TROUT LAKE, ONT.	.	.	.	.	X	.	X	.		.	.	.	.
71851	PORTAGE LA PRAIRIE, MAN	.	.	.	.	.	.	.	.		.	.	.	.
71861	BROADVIEW, SASK.	X	.	X	.	X	.	X	.		RW	RW	RW	RW	
71888	JASPER ALTA	X	.	.	.	X	.	X	.		.	.	.	.
81005	KAMARANG	.	.	.	.	.	.	.	.		.	.	.	.
81006	LETHEM	.	.	.	.	.	.	.	.		.	.	.	.
81010	EBINI	.	.	.	.	.	.	.	.		.	.	.	.
81058	NEW AMSTERDAM	.	.	.	.	.	.	.	.		.	.	.	.
81080	KAIETEUR FALLS	.	.	.	.	.	.	.	.		.	.	.	.
89512	NOVOLAZAREVSKAJA	X	.	X	.	X	.	X	.		.	.	.	.
89606	VOSTOK	X	.	X	.	X	.	X	.		.	.	.	.

1.4 Changes in index numbers

- **Notification from Finland**

That the Finnish Meteorological Institute wishes to inform us that the additional station index numbers 700 to 799 allocated to Finland will become effective on 1 July 1993, however, they will not be renumbering all their station index numbers as previously advised.

For further information refer to the April 1992 Monthly Letter.

4.1 Canada (continued)

4.1.2 Drifting Buoys

• North-east Pacific Ocean:

WMO buoy Identifier	ARGOS Identifier	Position: 7 July 1992		Observed or technical parameters							
		Latitude	Longitude	1	2	3	4	5	6	7	8
46631	12510	49°54'N	166°42'W	.	X	X	X	X	.	.	X
46632	12511	32°12'N	125°54'W	.	X	X	X	X	.	.	X
46633	12512	48°54'N	158°36'W	.	X	X	X	X	.	.	X
46640	12519	50°06'N	172°12'W	.	X	X	X	X	.	.	X
46681	07135	52°54'N	167°30'W	.	X	X	X	X	.	.	X
46682	07136	42°54'N	146°54'W	.	X	X	X	X	.	.	X
46684	07137	42°54'N	142°30'W	.	X	.	.	X	.	.	X
46687	07138	29°30'N	146°54'W	.	X	X	X	X	.	.	X
46704	07128	37°12'N	129°00'W	.	X	X	X	X	.	.	X
46706	07130	27°00'N	135°24'W	.	X	X	X	X	.	.	X
46708	07132	51°00'N	145°12'W	.	X	X	X	X	.	.	X
46699	07146	51°54'N	151°36'W	.	X	X	X	X	.	.	X

• Arctic Icepack:

WMO buoy Identifier	ARGOS Identifier	Position: 22 June 1992		Observed or technical parameters							
		Latitude	Longitude	1	2	3	4	5	6	7	8
48523	01107	74°06'N	156°24'W	.	X	X	.	.	.	.	.
48566	01836	72°30'N	147°18'W	.	X	X	.	.	.	.	.
48567	01837	73°36'N	153°36'W	.	.	X	.	.	.	.	.
48568	07100	73°48'N	146°30'W	X	X	X	.	.	.	.	.

4.2 United States of America

List of U.S.A. Ocean Data Acquisition System (ODAS) included in the August 1992 Data Platform Status Report of the Data Buoy Centre of the National Oceanic and Atmospheric Administration (NOAA). 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.

Legend - Observed or technical parameters

<u>Column</u>	<u>Parameters</u>	<u>Column</u>	<u>Parameters</u>
1	Wind direction and speed	5	Sea-surface temperature
2	Air temperature	6	Wave period and height
3	Air pressure	7	Wave spectra
4	Pressure tendency	8	Peak wind gust

4.2.1 Moored Buoys

WMO buoy Identifier	ARGOS Identifier	Position: 6-13 August 1992		Observed or technical parameters							
		Latitude	Longitude	1	2	3	4	5	6	7	8
32302		18°00'S	85°06'W	X	X	X	X	X	X	X	X
41001**		34°54'N	73°00'W	X	X	X	X	X	X	X	X
41002**		32°18'N	75°12'W	.	*	*	*	*	*	*	*
41004		32°30'N	79°06'W	X	X	X	X	X	X	X	X
41006**		29°18'N	77°24'W	X	X	X	X	X	X	X	X
41009		28°30'N	80°12'W	X	X	X	X	X	X	X	X
41010		28°54'N	78°30'W	X	X	X	X	X	X	X	X
41016		24°36'N	76°30'W	X	X	X	X	X	X	X	X
42001**		25°54'N	89°42'W	X	X	X	X	X	X	X	X
42002**		25°54'N	93°36'W	X	X	X	X	X	X	X	X
42003**		25°54'N	85°54'W	X	X	X	X	X	X	X	X
42007		30°06'N	88°48'W	X	X	X	X	X	.	.	.

** Primarily for National Weather Service (NWS) support; however, all stations report data to NWS
 * Sensor/system failure

4.2.1 Moored Buoys (continued)

WMO buoy Identifier	ARGOS Identifier	Position: 6-13 August 1992		Observed or technical parameters							
		Latitude	Longitude	1	2	3	4	5	6	7	8
42019		27°54'N	95°00'W	X	X	X	X	X	X	X	X
42020		27°00'N	96°30'W	X	X	X	X	X	X	X	X
42025		24°54'N	80°24'W	.	*	.	X	X	X	X	X
44004**		38°30'N	70°42'W	X	X	X	X	X	X	X	X
44005**		42°36'N	68°36'W	X	X	X	X	X	X	X	X
44007**		43°30'N	70°06'W	X	X	X	X	X	X	X	X
44008**		40°30'N	69°24'W	X	X	X	X	X	X	X	X
44009**		38°24'N	74°42'W	X	X	X	X	X	X	X	X
44011**		41°06'N	66°36'W	X	X	X	X	X	X	X	X
44012**		38°48'N	74°36'W	X	X	X	X	X	X	X	X
44013**		42°24'N	70°48'W	X	X	X	X	X	X	X	X
44014		36°36'N	74°48'W	*	X	X	X	*	X	X	X
44025		40°18'N	73°12'W	X	X	X	X	X	X	X	X
45001**		48°00'N	87°48'W	X	X	X	X	X	X	X	X
45002**		45°18'N	86°24'W	X	X	X	X	X	X	X	X
45003**		45°18'N	82°42'W	X	X	X	X	X	X	X	X
45004**		47°30'N	86°30'W	X	X	X	X	X	X	X	X
45005**		41°42'N	82°24'W	X	X	X	X	X	X	X	X
45006**		47°18'N	89°54'W	X	X	X	X	X	X	X	X
45007**		42°42'N	87°06'W	X	X	X	X	X	X	X	X
45008**		44°18'N	82°24'W	X	X	X	X	X	X	X	X
46001**		56°18'N	148°12'W	X	X	X	X	X	X	X	X
46002**		42°30'N	130°18'W	X	X	X	X	X	X	X	X
46003**		51°54'N	155°54'W	X	X	X	X	X	X	X	X
46005**		46°06'N	131°00'W	X	X	X	X	X	X	X	X
46006**		40°54'N	137°30'W	X	X	X	X	X	X	X	X
46011		34°54'N	120°54'W	X	X	X	X	X	X	X	X
46012		37°24'N	122°42'W	X	X	X	X	X	X	X	X
46013		38°12'N	123°18'W	X	X	X	X	X	X	X	X
46014		39°12'N	124°00'W	X	X	X	X	X	X	X	X
46022		40°42'N	124°30'W	X	X	X	X	X	X	X	X
46023		34°18'N	120°42'W	X	X	X	X	X	X	X	X
46025		33°42'N	119°06'W	X	X	X	X	X	X	X	X
46026**		37°42'N	122°42'W	X	X	X	X	X	X	X	X
46027**		41°48'N	124°24'W	*	X	X	X	X	X	X	X
46028		35°48'N	121°54'W	X	X	X	X	*	X	X	X
46029**		46°12'N	124°12'W	X	X	X	X	X	X	X	X
46030		40°24'N	124°30'W	*	*	*	*	*	*	*	*
46035		57°00'N	177°42'W	X	X	X	X	X	X	X	X
46040		44°48'N	124°18'W	*	*	*	*	*	*	*	*
46041		47°24'N	124°30'W	X	X	X	X	X	X	X	X
46042		36°48'N	122°24'W	X	X	X	X	*	X	X	X
46045		33°48'N	118°24'W	X	X	X	X	X	X	X	X
46047		32°42'N	119°36'W	X	X	X	X	X	X	X	X
46048		32°54'N	117°54'W	X	X	X	X	X	X	X	X
46050		44°36'N	124°30'W	X	X	X	X	X	X	X	X
46051		34°30'N	120°42'W	X	X	X	X	X	X	X	X
51001**		23°24'N	162°18'W	X	X	X	X	X	X	X	X
51002**		17°12'N	157°48'W	X	X	X	X	*	X	X	X
51003**		19°18'N	160°48'W	X	X	X	X	X	X	X	X
51004**		17°24'N	152°30'W	X	X	X	X	X	X	X	X
52009		13°42'N	144°42'E	*	*	*	*	*	*	*	*

* Sensor / system failure.

** Primarily for National Weather Service (NWS) support; however, all stations report data to NWS

4.2 United States of America (continued)

4.2.2 Drifting Buoys

WMO buoy Identifier	ARGOS Identifier	Position: 4-12 August 992		Observed or technical parameters							
		Latitude	Longitude	1	2	3	4	5	6	7	8
16807	05133	59°S	141°E	.	X	X	.	X	.	.	.
16810	12309	54°S	067°E	.	X	X	.	X	.	.	.
17804	12300	18°S	083°E	.	*	X	.	X	.	.	.
17809	05125	31°S	056°E	.	X	X	.	X	.	.	.
17814	01968	47°S	076°E	.	X	X	.	X	.	.	.
17815	01965	34°S	019°E	.	*	*	.	*	.	.	.
17825	05129	30°S	076°E	.	X	X	.	X	.	.	.
33509	12307	40°S	064°E	.	X	X	.	*	.	.	.
33510	12308	38°S	105°E	.	X	X	.	X	.	.	.
33831	01967	41°S	021°E	.	X	X	.	X	.	.	.
54801	01973	32°S	155°W	.	*	*	.	*	.	.	.
54802	01993	33°S	147°W	.	X	X	.	X	.	.	.
54803	01975	46°S	154°W	.	X	X	.	X	.	.	.
54804	01970	47°S	147°W	.	X	X	.	X	.	.	.
54805	01985	43°S	161°W	.	X	X	.	X	.	.	.
54833	06586	46°S	125°W	X	X	X	.	X	.	.	X
54836	05128	29°S	146°W	.	*	*	.	*	.	.	.
54838	08823	45°S	128°W	.	X	X	.	X	.	.	.
54840	05120	56°S	090°W	.	X	X	.	X	.	.	.
54843	05134	49°S	113°W	.	X	X	.	X	.	.	.
54844	05123	48°S	107°W	.	*	*	.	*	.	.	.
55803	05136	52°S	075°W	.	X	X	.	X	.	.	.
56801	05130	12°S	111°E	.	X	X	.	X	.	.	.
56835	12291	26°S	084°E	.	X	X	.	X	.	.	.
56836	12293	26°S	099°E	.	X	X	.	X	.	.	.
56837	05116	06°S	107°E	.	*	X	.	*	.	.	.
56838	12294	14°S	058°E	.	X	X	.	X	.	.	.
56839	05124	20°S	081°E	.	X	X	.	X	.	.	.
56840	12292	52°S	099°E	.	*	X	.	X	.	.	.
74801	01980	66°S	046°W	.	X	X	.	*	.	.	.
74802	01983	61°S	009°W	.	*	X	.	*	.	.	.

* Sensor / system failure.

4.3 France

Data from drifting buoys are collected by the ARGOS system. They are distributed on the GTS in DRIFTER code, either from CLS/ARGOS in Toulouse (heading SSVX01 LFPW), or from the Centre de Météorologie Marine in Brest (headings SSVX51 and SSVX55 LFPW).

Legend - Observed or technical parameters

Column	Parameters	Column	Parameters
1	Wind direction and speed	6	Wave period and height
2	Air temperature	7	Wave spectra
3	Air pressure	8	Peak wind gust
4	Pressure tendency	9	Subsurface temperatures
5	Sea-surface temperature		

4.3 France (continued)

4.3.2 Drifting Buoys

WMO buoy Identifier	ARGOS Identifier	Position: 19 August 1992		Observed or technical parameters									
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	
13533	15496	30°13'N	25°58'W	*	.	*	.	*	.	.	.	.	*
51891	01621	03°38'S	164°35'E	.	.	.	.	X	.	.	.	.	X
52889	02678	03°58'N	165°09'E	.	.	.	.	X	.	.	.	.	X
52890	02679	01°59'N	165°19'E	.	.	.	.	X	.	.	.	.	X
62501	10115	38°22'N	16°12'W	.	.	X	X	X	.	.	.	.	.
62503	05834	44°49'N	12°56'W	.	.	X	X	X	.	.	.	.	X
62504	05825	42°47'N	10°06'W	.	.	X	X	X	.	.	.	.	.
62505	14412	42°19'N	14°06'W	X	.	X	.	X	.	.	.	.	X
62506	10119	31°15'N	25°53'W	.	.	X	.	X	.	.	.	.	X
62508	15499	31°51'N	25°06'W	X	.	X	.	X	.	.	.	.	X
62509	10121	32°39'N	19°24'W	X	.	X	.	X	.	.	.	.	X
62510	15497	36°10'N	21°06'W	X	.	X	.	X	.	.	.	.	X

* Sensor/system failure

5. ARGOS service

5.1 ARGOS monthly status report

As at 3 August 1992 the ARGOS service was handling reports from 925 drifting buoys, 270 moored buoys, 4 balloons, 30 ships, 248 animal trackings, 381 fixed stations, 394 boats and 69 miscellaneous platforms. DRIFTER reports from 72 drifting buoys and BATHY reports from 26 selected ships were transmitted to the RTH Paris and DRIFTER reports from 412 drifting buoys were transmitted to the WMC Washington for insertion into the GTS. The list of platforms reporting through ARGOS and distributed over the GTS follows:

Operating country	WMO Identifier/ Call sign	ARGOS Identifier	Operating country	WMO Identifier/ Call sign	ARGOS Identifier	
Australia	55512	00416	Canada	21551	01333	
	55513	00421		21553	01332	
	55515	00415		44693	08649	
	55516	00417		46643	01185	
	55517	00413		46644	01198	
	56001	04873		46647	01187	
	56501	02934		46648	01188	
	56503	08035		46651	01318	
	56504	08036		Finland	71091	05895
	56506	04875				
	56507	04876				
	56508	04877				
	56548	04871				
	56549	04872				
	GYRW*	09197	France		44601 ⁺	10103
	GYSA*	09189			62501	10115
	JYSE*	09199			62503	05834
	S6FK*	09193			62504	05825
	VJBQ*	09192		C6HL*	04712	
	VJDP*	09198		C6IO*	04722	
9VBZ*	09194	DIDA*		08742		
9VUU*	09190	ELIL*		04719		

* PTT's transmitting at irregular intervals

+ PTTs' which were removed from GTS during the month

5.1 ARGOS monthly status report (cont.)

Operating country	WMO Identifier/ Call sign	ARGOS Identifier	Operating country	WMO Identifier/ Call sign	ARGOS Identifier		
France (continued)	ELIS*	04705	Norway (continued)	71003	09498		
	FITA*	04734		71004	09499		
	FNCZ*	08744		74002	09405		
	FNGS*	04707		74005	09406		
		FNJT*	04724				
		FNQB*	04726				
		FNZO*	04716				
		FNZP*	04715				
		FNZQ*	04711	Republic of Korea	22602	02032	
		JQEK*	04708		22603	02033	
		HPEW*	04720				
		WWZZ*	08739				
		ZDAZ*	04714				
		ZDBE*	04718				
Germany	48601	11240	South Africa**	14523	06730		
	48602	11241		14524	03515		
	48604+	11243		17538	03510		
	48605+	11244		17539	03511		
		48606+	11245		33021	09087	
		48607+	11246				
		63662	09360				
		63663	09372				
		71042	03317	United Kingdom	25562	01639	
		71524	03315		44762	01253	
		71550	09356		44763	01256	
		71551	09357		44764	01254	
		71552	09358			44765	01255
		71553	09359			62601	08336
	71554	09366		62696	01251		
	71555	09367		62697	01261		
	71556	09368		62805	06285		
	71557	09369		64608	01252		
Netherlands	44761	06669	United States of America	11318	14356		
				12513	06283		
				12515	06386		
				12516	06387		
New Zealand	55580	06439		13005	01647		
	55582	07175		13501	12720		
	55584	07178		13502	12721		
	55585	07177		13503	06187		
	55586	07176		13504	06188		
Norway	17001	01591		13901	14455		
	25561	01556		13902	14456		
	26531	01791		13903	14457		
	26532	01790		13904	14445		
		44760	03038		13905	14447	
		63531	03704		13906	14460	
		65591+	06666		13907	14461	
		65594	09308				

* PTT's transmitting at irregular intervals

+ PTT's which were removed from GTS during the month

** The Government of the Republic of South Africa has been suspended by Resolution 38 (Cg-VII) from exercising its rights and enjoying its privileges as a Member of WMO

5.1 ARGOS monthly status report (cont.)

Operating country	WMO Identifier/ Call sign	ARGOS Identifier
United States	13908	14462
of America	13909	08598
(continued)	13911	14448
	13912	14449
	13913	14450
	13914	14452
	13915	14453
	13917	14440
	13919	14442
	13920	14443
	13921	14444
	13922	02005
	13923	02006
	14464	14464
	15103	15103
	15700	15700
	16807	05133
	16810	12309
	17804	12300
	17805	12304
	17809	05125
	17812	01981
	17814	01968
	17815	01965
	17825	05129
	21523	02268
	21524	02269
	21525	06096
	21533	12695
	21573	04648
	21901	15537
	21902	15536
	21903	15588
	21904	14981
	21905	00499
	21906	00501
	21907	00502
	21908	15572
	22511	06116
	22514	06110
	22901	14980
	22902	00529
	22903	00498
	22904	00531
	22905	14972
	23516	01726
	25537	12805
	32439	15604
	32512	11920
	32513	11917
	32514	11948
	32515	15648

Operating country	WMO Identifier/ Call sign	ARGOS Identifier
United States	32516	11927
of America	32517	15093
(continued)	32518	15091
	32519	11905
	32520	15649
	32521	15651
	32522	15598
	32523	10809
	32524	15695
	32525	11192
	32526	15696
	32527	15697
	32528	03224
	32529	15028
	32530	15699
	32531	15011
	32532	11897
	32533	15017
	32534	15018
	32535	15025
	32536	15026
	32537	03225
	32538	15602
	32540	11904
	32541	15595
	32542	15596
	32543	03567
	32544	11908
	32545	15679
	32546	11160
	32547	15597
	32548	15599
	32549	11163
	32551	15600
	32552	11195
	32553	15603
	32554	15601
	32555	15625
	32556	11934
	32557	15626
	32558	09276
	32559	15627
	32560	03252
	32901	03565
	32902	15045
	32903	15050
	32904	15128
	32906	15685
	32907	15686
	32908	15687
	32909 ⁺	15688
	32910	15540

+ PTT's which were removed from GTS during the month

5.1 ARGOS monthly status report (cont.)

Operating country	WMO Identifier/ Call sign	ARGOS Identifier
United States of America	32911	15541
	32912	15542
(continued)	32913	15546
	32914	03568
	32915	15048
	32916	15545
	33509	12307
	33510	12308
	33827	12297
	33828	12298
	33831	01967
	34901	15123
	34902	15125
	41501	06388
	41502	06389
	41503	06278
	41504	12722
	41505	06638
	41506	02271
	41520	06390
	41521	06425
	41522	01125
	41523	01128
	41524	06192
	41525	06277
	41902	08594
	41903	08596
	41904	08599
	41906	12333
	41907	12329
	41908	12339
	41909	02007
	42026	00937
	42027	00930
	42028	00932
	42029	00934
	42030	00931
	42031	00936
	42032	00933
	42033	00935
	43501	11919
	43503	15656
	43504	11198
	43505	15657
	43506	15698
	43507	15010
	43508	15008
	44505	09169
	44506	09163
	44507	09175
	44508	02579
	44514	04646

Operating country	WMO Identifier/ Call sign	ARGOS Identifier
United States of America	44559	15138
	44904	12321
(continued)	44905	12335
	46515	01126
	46531	15618
	46532	15615
	46533	15619
	46534	15624
	46535	15607
	46536	15609
	46537	15612
	46538	15613
	46539	15622
	46540	15562
	46541	15643
	46542	15639
	46543	15642
	46544	15637
	46545	15640
	46546	15641
	46547	15070
	46548	15075
	46549	15076
	46550	01135
	46901	15655
	46902	15563
	46903	15564
	46904	15573
	47601	12823
	48518	12800
	48519	12820
	48520	12801
	48554	12802
	48555	12806
	48557	12808
	48558	12821
	48559	12822
	48560	12824
	48561 ⁺	12825
	48562	12826
	48564	12828
	48565	12829
	51510	15042
	51511	15117
	51512	15089
	51513	11663
	51514	02433
	51515	14432
	51516	11949
	51517	11676
	51518	15077
	51519	02437

+ PTT's which were removed from GTS during the month

5.1 ARGOS monthly status report (cont.)

Operating country	WMO Identifier/ Call sign	ARGOS Identifier
United States of America (continued)	51520	03117
	51801	14433
	51802	02434
	51803	15593
	51804	14434
	51805	15106
	51806	03118
	51808	02435
	51809	14435
	51810	11956
51811	15653	
51812	15654	
51813	11924	
51814	11946	
51815	03222	
51816	15616	
51817	15617	
51818	15110	
51821	11690	
51822	11870	
51823	03223	
51824	02436	
51825	03116	
51826	03119	
51828	15015	
51830	15088	
51832	11955	
51833	11872	
51834	11957	
51835	09271	
51836	09270	
51837	15621	
51838	03170	
51839	03173	
51840	15090	
51841	11950	
51842	11702	
51844	09275	
51845	15107	
51846	11692	
51847	15027	
51848	15009	
51849	15097	
51850	15608	
51855	11705	
51856	15082	
51857	11667	
51858	15611	
51859	15606	
51861	15099	
51862	11670	
51863	15636	

Operating country	WMO Identifier/ Call sign	ARGOS Identifier
United States of America (continued)	51865	15638
	51866	15644
	51867	15645
	51869	11674
	51870	11679
	51871	15646
	51872	11696
	51873	11699
	51875	11704
	51876	11683
51878	15072	
51879	15074	
51880	15078	
51881	15080	
51883	15083	
51884	15084	
51885	15086	
51901	15658	
51902	15671	
51903	15672	
51905	15674	
52506	15031	
52507	15037	
52508	15104	
52509	15109	
52510	11939	
52512	15023	
52513	15661	
52514	14975	
52515	15041	
52518	15114	
52520	15121	
52616	15021	
52801	15035	
52803	15029	
52804	15051	
52805	15012	
52807	09278	
52808	15666	
52809	15016	
52810	15701	
52812	15126	
52814	15659	
52815	15660	
52816	15664	
52817	15665	
52818	15670	
52826	15668	
52827	15663	
52828	15669	
52829	01208	
52831+	01212	

+ PTT's which were removed from GTS during the month

5.1 ARGOS monthly status report (cont.)

Operating country	WMO Identifier/ Call sign	ARGOS Identifier	Operating country	WMO Identifier/ Call sign	ARGOS Identifier
United States of America (continued)	52832	01214	United States of America (continued)	54932	15547
	52833	01215		55601	01123
	52835	15548		55803	05136
	52836	15549		56801	05130
	52866	11887		56835	12291
	52872	11890		56836	12293
	52896	01028		56837	05116
	52928	15692		56838	12294
	53501	06111		56839	05124
	53502	06112		56840	12292
	54801	01973		61534	12692
	54802	01993		61535	06284
	54803	01975		61537	11283
	54804	01970		61538	11286
	54805	01985		61539	12724
	54833	06586		62673	01131
	54835	06731		62674	01132
	54836	05128		64582	02126
	54837	05135		64583	02128
	54838	08823		71564	01433
	54840	05120		74801	01980
	54843	05134		74802	01983
	54844	05123			
	54901	15049			
	54902	15115	ATLAS BUOYS	32315	06461
	54903	15118		32316	06799
	54904	15020		32317	15808
	54905	15024		32318	12522
	54906	15539		32319	06371
	54907	15044		43001	06473
	54908	15129		51006	04597
	54909	15120		51007	15814
	54910	15033		51008	04596
	54912	15101		51009	15811
	54913	15112		51010	04591
	54914	15119		51011	12529
	54915	15678	51014	04595	
	54916	15630	51015	15810	
	54917	15631	51016	15812	
	54918	15632	51017	12527	
	54919	15634	51018	15809	
	54920	15633	51019	06475	
	54921	15675	51020	06518	
	54922	15682	51021	04594	
	54923	15683	51022	04592	
	54924	15693	51023	06517	
	54925	15694	51025	12878	
	54926	15676	51302	04593	
	54927+	15680	51303	06474	
	54929	15681	51306	06794	
	54930	15690	52001	12526	
	54931	15543	52002	06476	

+ PTT's which were removed from GTS during the month

5.1 ARGOS monthly status report (cont.)

Operating country	WMO Identifier/ Call sign	ARGOS Identifier
ATLAS	52003	12528
BUOYS	52004	12528
(continued)	52006	06519
	52007	06797
	52008	06795
	52010	06460
	52301	00776
	52302	00777

Operating country	WMO Identifier/ Call sign	ARGOS Identifier
ATLAS	52303	00772
BUOYS	52304	00775
(continued)	52305	00771
	52307	00774

XBT SOFTWARE

To improve the operationality and the reliability of the XBT PTT's software processing, we have been conducting a series of modifications. At present we are in a validation phase and the results are very promising. However, due to an error in the declaration of the bulletins' header leading to their non-distribution onto the GTS, we regret the loss of the XBT bulletins for the period July 17 to July 21. In the meantime, users accessing the Argos on-line distributions have been able to read these bulletins. Eager to do our best to serve you, CLS has immediately strengthened the validation procedures for the XBT software so that such incidents don't happen again.

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

In view of the difficulties experienced at present in identifying non-implemented observing stations or implemented stations which are closed or suspended for a certain period, or stations making observations but not reaching their NMCs, the ninth session of the CBS Advisory Working Group recommended that a special table be added to the WWW monthly operational letter to 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.

The special table, accompanied by explanatory notes (see Appendix, pages 1 and 2) is attached as an appendix to this annex. Members are urged to fill in this appendix, as and when appropriate, and to return it to the Secretariat before the 1st of each month to enable changes to be included in the next monthly letter.

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

(Explanatory Notes overleaf)

Global Exchange / Regional Exchange (delete as appropriate)

Country: _____

Station index number	Bulletin identification TTAAii CCCC	Implementation of observing programme							Alternate observing station	Remarks
		00	03	06	09	12	15	18	21	

1. SYNOP

2. TEMP

3. PILOT

Explanatory notes for
Feed-back
from Members to the Secretariat
on any changes in the observing network

1. 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 given in Attachment I-4 of the Manual on the GTS, Volume I for global exchange and, as applicable, Attachments AF-I, AI-1, SA-1, NA-1, PS-1 and EU-1 of the Manual on the GTS, Volume II for regional exchange.

2. For entries in these tables, the following should be taken into account:
 - (a) In the column "Station index number", the index number (Iliii) of each station should be entered in case of any changes in the observing programmes of the stations;
 - (b) In the column "Bulletin identification", the TTAAii CCCC of the abbreviated heading of the meteorological bulletins which contains reports from the station should be inserted;
 - (c) In the column "Implementation of observing programme", "X" for implementation and "-" for non-implementation should be inserted as appropriate. In order to easily identify changes in the programme, this should be marked in red;
 - (d) In the column "Alternate observing station", the index number (Ilii) of an alternate observing station should be inserted in case another station is available with a view to filling gaps which are caused by suspension of observing programmes of the original station;
 - (e) The required information concerning the observing programme of the alternate station should be inserted in the next horizontal line of the original station;
 - (f) In the column "Remarks", reasons of 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.

3. These tables should be sent to the Secretariat before the 1st of the month for inclusion of the changes in the monthly operational letter, as appropriate.

ANNEX II - Global Data-processing System

Date: August 1992

B. Information on the operational status of GDPS including changes to WMO Publication No. 9, Volume B

2. RSMC output products

2.1 New products

- **Notification from Japan**

That RSMC Tokyo - Typhoon Center is currently issuing five products (advisory for analysis, advisory for forecast, prognostic reasoning, guidance for forecast by numerical typhoon model and SAREP) for a tropical cyclone of TS intensity or higher in the area of responsibility of the center (north of the equator and west of the international date line). Furthermore, effective 00 UTC on 1 July 1992, the products will cover a tropical cyclone that is expected to reach TS intensity within 24 hours in the area and a tropical cyclone of TS intensity or higher that is expected to move into the area within 24 hours.

At the same time, the products of advisory for analysis and advisory for forecast will be integrated to a product entitled tropical cyclone advisory. In this regard, abbreviated headings and formats of products on the GTS will be amended. Detailed description of those changes is given below.

Effective 10 March 1992, the products of advisory for analysis, advisory for forecast (as from 1 July 1992, tropical cyclone advisory) and prognostic reasoning are put onto the GTS 70 to 90 minutes after individual main synoptic hours (00, 06, 12 and 18 UTC), about 90 minutes earlier than previous issuing (2 hours 45 minutes).

At 0000 UTC 1 July 1992, the RSMC Tokyo - Typhoon Center revises its products as follows:

◆ Rearrangement of Products and Abbreviated Headings

PRESENT			RENEWED	
Product	Abbreviated Heading		Product	Abbreviated Heading
Advisory for Analysis	(WTPQ20 RJTD)	(Advisory for Analysis) (and Advisory for) (Forecast are abolished) (and Tropical Cyclone) → (Advisory is newly) (provided, which) (includes information on) (preceding two) (products)	Tropical Cyclone Advisory*	(WTPQ20 RJTD) (WTPQ21 RJTD) (WTPQ22 RJTD) (WTPQ23 RJTD) (WTPQ24 RJTD) (WTPQ25 RJTD)
Advisory for Forecast	(WTPQ21 RJTD)			
Prognostic Reasoning	(WTPQ22 RJTD)		Prognostic Reasoning*	(WTPQ30 RJTD) (WTPQ31 RJTD) (WTPQ32 RJTD) (WTPQ33 RJTD) (WTPQ34 RJTD) (WTPQ35 RJTD)
Guidance for Forecast by Numerical Typhoon Model	(WTPQ23 RJTD)		Guidance for Forecast by Numerical Typhoon Model*	(FXPQ20 RJTD) (FXPQ21 RJTD)

* Each of these products deals with one tropical cyclone in one bulletin. The same heading is consistently used for the same tropical cyclone

◆ Revision of Code Forms

Code Form of Tropical Cyclone Advisory:

WTPO ii RJTD YYGGgg
RSMC TROPICAL CYCLONE ADVISORY
NAME class ty-No. name (common-No.)
ANALYSIS
PSTN YYGGggUTC L_aL_a.L_aN L_oL_oL_o.L_oE (or W) accuracy
MOVE direction S_pS_pS_pKT
PRES P_rP_rP_rP_rHPA
MXWD V_mV_mV_mKT
50KT R_dR_dR_dNM (octant SEMICIRCLE R_dR_dR_dNM ELSEWHERE)
30KT R_dR_dR_dNM (octant SEMICIRCLE R_dR_dR_dNM ELSEWHERE)
FORECAST
24HE Y₁Y₁G₁G₁g₁g₁ UTC L_aL_a.L_aN L_oL_oL_o.L_oE (orW) F_r F_r F_rNM
MOVE direction S_pS_pS_pKT
PRES P_rP_rP_rP_rHPA
MXWD V_mV_mV_mKT
48HE Y₂Y₂G₂G₂g₂g₂ UTC L_aL_a.L_aN L_oL_oL_o.L_oE (orW) F_r F_r F_rNM=

Notes:

- a. Underlined parts are fixed.
- b. Symbolic letters and their meaning:

<u>ii</u>	: 20, 21, 22, 23, 24 or 25
<u>YY</u>	: Day of the month (UTC) of observation of data used for the analysis.
<u>GGgg</u>	: Time of observation of data used for the analysis, in hours and minutes in UTC
<u>class</u>	: Classification of the tropical cyclone; TY, STS, TS, TD or LOW
<u>ty-No.</u>	: Domestic Identification Number of the tropical cyclone used in Japan, in four digits (equal to International Identification Number)
<u>name</u>	: Name assigned to the tropical cyclone by JTWC (Joint Typhoon Warning Center, Guam)
<u>common-No.</u>	: International Identification Number of the tropical cyclone, in four digits
<u>L_aL_aL_a</u>	: Latitude of center position (analysis or forecast)
<u>L_oL_oL_oL_o</u>	: Longitude of center position (analysis or forecast)
<u>accuracy</u>	: Accuracy of center position; GOOD, FAIR OR POOR
<u>direction</u>	: Direction of movement; N, NNE, NE, ENE or (16 directions)
<u>S_pS_pS_p</u>	: Speed of movement (analysis or forecast)
<u>P_rP_rP_rP_r</u>	: Central pressure(analysis or forecast)
<u>V_mV_mV_m</u>	: Maximum sustained wind (analysis or forecast)
<u>R_dR_dR_d</u>	: Radii of 30 knot and 50 knot winds.
<u>octant</u>	: NORTH, NORTHEAST, EAST OR (8 directions)
<u>Y₁Y₁</u>	: Day of the month (UTC) on which the 24-hour forecast is valid
<u>G₁G₁g₁g₁</u>	: Time at which the 24-hour forecast is valid, in hours and minutes UTC
<u>F_rF_rF_r</u>	: Radii of 60% Probability Circle
<u>Y₂Y₂</u>	: Day of the month (UTC) on which the 48-hour forecast is valid
<u>G₂G₂g₂g₂</u>	: Time at which the 48-hour forecast is valid, in hours and minutes UTC
- c. MOVE is optionally described by "ALMOST STATIONARY" or "(direction) SLOWLY" depending on the cyclone's movement.

◆ Revision of Code Forms (continued)

New Code Form of Guidance for Forecast by Numerical Typhoon Model

EXPO ii RJTD YYGgg
 RSMC GUIDANCE FOR FORECAST
 NAME class ty-No. name (common-No.)
 PSTN YYGGggUTC LaLa.LaN LoLoLo.LoE (or W)
 NWP TYPHOON MODEL (TYM or MNG)
 T=12 LaLa.LaN LoLoLo.LoE (or W)
 T=24 LaLa.LaN LoLoLo.LoE (or W)
 T=36 LaLa.LaN LoLoLo.LoE (or W)
 T=48 LaLa.LaN LoLoLo.LoE (or W)
 T=60 LaLa.LaN LoLoLo.LoE (or W)

Note:

a. Symbolic letters and their meaning:

ii : 20 or 21
 YY : Day of the month (UTC) of initial time
 GGgg : Initial time, in hours and minutes UTC
 TYM : Typhoon Model
 MNG : Movable Nesting Grid Model

See "Code Form of Tropical Cyclone Advisory" for the remaining symbolic letters

New Code Form of SAREP

TPPW ii RJTD YYGgg
 CCAA YYGGg 47644 name of cyclone n_tn_tLaLaLa QcLoLoLoLo 1A_tWfat_m
 2S_tS_t// (9d_sd_sf_sf_s)=

Notes:

a. Symbolic letters and their meaning:

ii : 20 or 21
 name of cyclone : Name assigned to the tropical cyclone by JTWC with an International Identification Number followed in brackets. But for assignment, it is indicated by "NAMELESS"
 n_tn_t : Serial number of the tropical cyclone in temporal order of formation in the year regardless of attaining TS intensity, from 01 to 99

b. See FM 85-IX SAREP, Volume 1 of the Manual on Codes, WMO Technical Regulations for further explanation of the code form

◆ Earlier Start of the Products Issuance

Tropical Cyclone Advisory, Prognostic Reasoning, Guidance for Forecast by Numerical Typhoon Model and SAREP are issued when a tropical cyclone is expected to reach TS intensity within 24 hours, or a tropical cyclone of TS intensity or higher is expected to move into the area of responsibility of the RSMC Tokyo - Typhoon Center within 24 hours.

• **Notification from the United Kingdom of Great Britain and Northern Ireland**

That a list of new numerical products is available from RSMC Bracknell:

◆ **Global products in GRIB code (FM92-IX Ext)**

Heading format	: HT ₂ A ₁ A ₂ ii EGRR
Data times	: 0000 and 1200 UTC
Available about	: 0500 and 1700 UTC

ELEMENTS (T ₂) and levels (ii)	: Sea level pressure (P) and 10m wind components (U,V), ii=98 Height (H), wind components (U,V) and temperature (T) at 1000, 850, 700, 500, 400, 300, 250, 200, 150, 100, 50 hPa ii=99, 85, 70, 50, 40, 30, 25, 20, 15, 10, 05 Relative humidity (R) 850, 700, 500 hPa ii=85, 70, 50 Maximum wind components (U,V) and pressure (P) ii=96 Tropopause pressure (P) and temperature (T) ii=97
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Resolution (deg. lat.-long.)	Areas (A1)	
2.5 x 2.5	S,T,U	: 0-90°N 50°W-70°E, 70°E-170°W, 170°W-50°W
	V,W,X	: 90°S-0 50°W-70°E, 70°E-170°W, 170°W-50°W
	Z	: 60°S-60°N 30°W-60°E

Forecast times (A ₂)	: All elements: T+0, 6, 12, 18, 24, 30, 36, 42, 48, 60 (A-J) Sea level pressure, 1000 hPa and 500 hPa height: T+72, 96, 120 (K, M, O)
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Abbreviated Headings:	HP	(S-X,Z) (A-J,K,M,O) 98
	H(U,V)	(S-X,Z) (A-J,K) 98
	H(H,U,V,T)	(S-X,Z) (A-J) (98,85,70,50,40,30,25,20,15,10,05)
	HH	(S-X,Z) (K,M,O) (99,50)
	HR	(S-X,Z) (A-J) (85,70,50)
	H(P,U,V)	(S-X,Z) (A-J) 96
	H(P,T)	(S-X,Z) (A-J) 97

Note: Wind components are eastbound (U) and northbound (V)

◆ **New set of GRIB products from Bracknell at 2.5°x2.5° resolution**

Bulletins are coded in GRIB FM92 IX Ext.

GRIB coded products, in the Code Form FM92 IX Ext. are now available from RSMC Bracknell in a 2.5°x2.5° resolution on a latitude/longitude grid. Six bulletin areas cover the whole globe, three each in the Northern and Southern Hemispheres, in steps of 120 degrees longitude, starting at 50°W. These areas have been chosen to allow many National Meteorological Services to use only a single bulletin without having to merge bulletins. For the same reason, a seventh bulletin has been chosen to cover all of Africa and Europe up to 60°N.

Bulletins should be requested through GTS links to Bracknell.

<u>New grid area locations</u>						
Grid Area code A ₁	Octet 7 PDB	Resolution (Long. x Lat.)	Area Coverage	Grid cols	Shape rows	Grid points
S	14	2.5 X 2.5	50°W-70°E, 0-90°N	37	49	1813
T	15	2.5 X 2.5	70°E-170°W, 0-90°N	37	49	1813
U	16	2.5 X 2.5	170°W-50°W, 0-90°N	37	49	1813
V	17	2.5 X 2.5	50°W-70°E, 90°S-0	37	49	1813
W	18	2.5 X 2.5	70°E-170°W, 90°S-0	37	49	1813
X	19	2.5 X 2.5	170°W-50°W, 90°S-0	37	49	1813
Z	12	2.5 X 2.5	30°W-60°E, 60°S-60°N	49	37	1813

ANNEX III - Global Telecommunication System

Date: August 1992

C. Information on the operation of the GTS

1. Catalogue of Meteorological Bulletins (Publication No. 9, Volume C, Chapter I)

1.3 Changes to bulletins

- **Notification from Norway**

That as from 15 August 1992 meteorological bulletins SSNT13 ENMI and SSNT14 ENMI containing buoy data processed by the Local User Terminal (LUT) in Oslo will be replaced by the meteorological bulletin: SSVX01 ENMI.

- **Notification from France**

That French bulletins disseminated over the GTS as from 7 September 1992 at 1200 UTC will include in the abbreviated heading TTAAii CCCC the indicator ii with 2 digits.

- **Notification from the Russian Federation**

That as from 1 October 1992 the synoptic reports from station 30054 VITIM transmitted over the GTS will be included in bulletins SMRA14 of RUHB and SIRA24 of RUHB. On the same date, the inclusion of the same reports in bulletins RMRA15 of RUNW and SIRA25 of RUNW will be discontinued.

1.5 Bulletins for oceanographic data

Corrigendum to the July 1992 Monthly Letter, read SOVE10 RUHB instead of SOVF01 RUHB

Abbreviated Headings

SOVE10	RUHB
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6. Coastal Radio Stations (Publication No. 9, Volume D, Part B)

6.3 Changes to existing stations

• Notification from Greece

Page D-B-VI-45/46: amend entry for columns (5), (6), (7), (8) and (9) to read:

1	2	3	4	5	6	7	8	9	10	11	12
ZONE VI - D (Mediterranean / Méditerranée)											
Athinai Radio (1.VI.1992)	(a) Greece/ Grèce	37°58'N 23°53'E	SVA	A1A	500	454, 458, 466, 477.5, 480, 500.5, 512	447	437.5, 500, 512	0000-2400	METEO Athens	
			SVN	H3E	2182		2590	2182, 2590	0000-2400		
			SVA 2	A1A	)	) 4 MHz band(e)	)	4343	)Only at		
			SVB 2	A1A	)	)	)4239.4	)	)night time /		
			SVD 2	A1A	)	)	)	4223	)De nuit		
			SVF 2	A1A	)	)	)	4227	)seulement		
			SVA 3	A1A	)	) 6 MHz band(e)	)	6478.75)		
			SVB 3	A1A	)	)	)6344))		
			SVF 3	A1A	)	)	)	6411)		
			SVD 3	A1A	)	)	)	6444.5)		
			SVA 4	A1A	)	) 8 MHz band(e)	)	8687	0000-2400		
			SVB 4	A1A	)	)	)8704))		
			SVD 4	A1A	)	)	)	8692.5)		
			SVF 4	A1A	)	)	)	8536.5)		
			SVG 4	A1A	)	)	)	8454.5)		
			SVI 4	A1A	)	)	)	8681)		
			SVJ 4	A1A	)	)	)	8530)		
			SVA 5	A1A	)	)12 MHz band(e)	)	12833	)Only at day		
			SVB 5	A1A	)	)	)13029	)	)time /		
			SVI 5	A1A	)	)	)	12720	)De jour		
			SVF 5	A1A	)	)	)	13047	)seulement		
			SVG 5	A1A	)	)	)	12942)		
			SVD 5	A1A	)	)	)	12859)		
			SVA 6	A1A	)	)16 MHz band(e)	)	17094.8)		
			SVB 6	A1A	)	)	)16966))		
			SVD 6	A1A	)	)	)	17188)		
			SVF 6	A1A	)	)	)	16995)		
			SVG 6	A1A	)	)	)	16981.5)		
			SVI 6	A1A	)	)	)	17194.4)		
			SVJ 6	A1A	)	)	)	17147.2)		
			SVA 7	A1A	)	)22 MHz band(e)	)	22589.5	)Only at day		
			SVB 7	A1A	)	)	)	22595.7	)time /		
			SVD 7	A1A	)	)	)	22471.5	)De jour		
			SVF 7	A1A	)	)	)	22500	)seulement		
			SVG 7	A1A	)	)	)	22679)		
			SVI 7	A1A	)	)	)	22660)		
			SVA 8	A1A	)	)	)	22401)		

Page D-B-VI-47: amend entry for column (9) to read:

1	2	3	4	5	6	7	8	9	10	11	12
ZONE VI - D (Mediterranean / Méditerranée)											
Chios Radio (1.VI.1992)	(a) Greece/ Grèce	38°23'N 26°09'E	SVX	H3E	2182		1820	1638,1659, 2182,3743	0000-2400	METEO Athens	

Page D-B-VI-49: amend entry for columns (5), (7), (8) and (9) to read:

1	2	3	4	5	6	7	8	9	10	11	12
ZONE VI - D (Mediterranean / Méditerranée)											
Heraklion Radio(a) (1.VI.1992)	Greece/ Grèce	35°20'N 25°07'E	SVH	A1A	500	454, 458, 465.5, 468, 480, 486, 505.5	446	500, 515	0000-2400	METEO Athens	
			SVH	H3E	2182		2799	1742, 2182, 3640			
Kerkyra Radio (a) (1.VI.1992)	Greece/ Grèce	39°37'N 19°55'E	SVK	A1A	500	454, 468, 474, 475.5 480, 505.5	525	435.5, 500	0000-2400	METEO Athens	
			SVK	H3E	2182		2607, 2830 3613	1746, 2182			
Limnos Radio (a) (1.VI.1992)	Greece/ Grèce	39°52'N 25°04'E	SVL	A1A	500	454, 458 468, 480, 505.5	514	515.5	0000-2400	METEO Athens	
			SVL	H3E/ R3E	2182		2730	2182, 3793			

Page D-B-VI-52: amend entry for column (9) to read:

1	2	3	4	5	6	7	8	9	10	11	12
ZONE VI - D (Mediterranean / Méditerranée)											
Rodos Radio (a) (1.VI.1992)	Greece/ Grèce	36°26'N 28°15'E	SVR	H3E R3E	2182		2624	1701, 1776, 1824, 2182, 3630	0000-2400	METEO Athens	

ANNEX V - Marine Meteorological Services (MMS) and related oceanographic activities

Date: August 1992

C. Information on the operation of Marine Meteorological Services

1. Broadcasts for shipping and other marine activities (Publication No. 9, Volume D, Part A)

1.3 Changes in schedules/technical specifications

- **Notification from Greece**

Page D-Aj-VI-14-3: amend columns (4) and (5) to read:

(1)	(2)	(3)	(4)	(5)	(6)
ATHINAI RADIO (1.VI.1992) <u>Group(e): B</u>	SVA	0348, 0618, 0948, 1518, 2118	447 kHz	A1A	1.5 kW
	SVG	0348, 0618, 0918, 1518, 2048	8 681 kHz	A1A	3 kW
	SVN	0703, 0933, 1503, 2103	2 590 kHz	H3E	1 kW

Page D-Aj-VI-14-4: amend column (4) to read:

(1)	(2)	(3)	(4)	(5)	(6)
HERAKLION RADIO (1.VI.1992) <u>Group(e): B</u>	SVH	0703, 0903, 1533, 2133	2 799 kHz	H3E	1 kW
	SVH	0418, 0548, 0948, 1548, 2118	446 kHz	A1A	1,5-5 kW

Page D-Aj-VI-14-4: amend column (4) to read:

(1)	(2)	(3)	(4)	(5)	(6)
KERKYRA RADIO (1.VI.1992) <u>Group(e): B</u>	SVK	0418,0618, 0948,1548, 2118	525 kHz	A1A	1,5 kW
		0703,0903, 1533, 2133	2 630 kHz	H3E	1 kW

Page D-Aj-VI-14-5: amend column (4) to read:

(1)	(2)	(3)	(4)	(5)	(6)
LIMNOS RADIO (1.VI.1992) <u>Group(e): B</u>	SVL	0448,0618, 0948, 1618, 2148	514 kHz	A1A	1,5-5 kW
		0703,0903 1533,2133	2 730 kHz	H3E	1,5-5 kW

Athens radio-facsimile broadcast for shipping, page D-Aj-VI-14-1: amend columns (b) and (d) to read:

(a)	(b)	(c)	(d)		
SVA 4	0845-0945	8 530 kHz	F3C	(white/blanc +400 Hz) (black/noir - 400 Hz)	5 kW