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W/OIS

GENEVA, 30 September 1992

Annexes: 2

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

B. Changes in global or regional components of WWW plan

1. Basic synoptic networks
- 1.2 Deleted stations

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
 - 1.5 Temporary changes
2. WMO catalogue of Radiosondes in use by Members
4. Automatic marine stations
 - 4.1 Canada
 - 4.1.1 Moored Buoys
 - 4.1.2 Drifting Buoys

To: Permanent Representatives (or Directors of Meteorological or Hydro-meteorological Services) of Members of WMO (PR-4788)
 Directors of Meteorological Services of non-Member countries (MC-2471)
 Presidents and Vice-Presidents of Regional Associations (P.RA-1303)
 Presidents and Vice-Presidents of Technical Commissions (P.TC-1421)
 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 (cont.)
 - 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

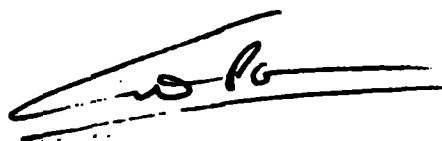
ANNEX III – Global Telecommunication System

- C. Information on the operation of the GTS**
1. Catalogue of Meteorological Bulletins (Publication No. 9, Volume C, Chapter I)
 - 1.2 Deleted bulletins
 - 1.3 Changes to bulletins
 2. Transmission schedules (Publication No. 9, Volume C, Chapter II)
 - 2.3 Changes in schedules/technical specifications
 6. Coastal Radio Stations (Publication No. 9, Volume D, Part B)
 - 6.4 GMDSS broadcasts

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,



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

ANNEX I - Global Observing System

Date: September 1992

B. Changes in global or regional components of WWW plan

1. Basic synoptic networks

1.2 Deleted stations

Index No.	Name
16624	CHRISOUPOLI OF KAVALA

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
02450	EGGEGRUND	60° 44 'N	17° 34 'E	-	5		X	X	X	X	X	X	X	X	H00-24	.	.	.	.	AUT
48860	HOANG SA (PATTLE)	16° 33 'N	111° 37 'E	6	-		X	X	X	X	X	X	X	X		.	.	.	.
48892	SONG TUTAY (SOUTH-WEST CAY)	11° 25 'N	114° 20 'E	5	-		X	.	X	.	X	.	X	.		.	.	.	.
80437	EL VIGIA, ESTADO MERIDA	08° 38 'N	71° 39 'W	103	-		X	X	.	X	X	X	X	X		.	.	.	.
94311	SHAY GAP	20° 30 'S	120° 10 'E	167	164		01	04	07	.	.	.	.	22		.	.	.	.
94497	WANAARING (POST OFFICE)	29° 42 'S	144° 09 'E	-	108		23	.	.	08	.	.	.	.		.	.	.	.
94511	INJUNE (POST OFFICE)	25° 51 'S	148° 34 'E	-	390		23	.	05	.	.	.	.	.		.	.	.	.
94564	RAINBOW BEACH	25° 55 'S	153° 06 'E	48	10		23	02	05	08	11	.	17	20		.	.	.	.
94581	CANUNGRA	28° 02 'S	153° 11 'E	-	120		23	.	05	.	.	.	.	.		.	.	.	.
94733	SINGLETON (WATER BOARD)	32° 34 'S	151° 09 'E	-	40		23	.	05	.	.	.	.	.		.	.	.	.
94803	PARNDANA (ALLANDALE)	35° 47 'S	137° 02 'E	-	230		23	.	05	.	.	.	.	20		.	.	.	.
94835	LOOKOUT HILL AWS	37° 17 'S	143° 15 'E	-	965		23	02	05	08	11	14	17	20	S00-24	.	.	.	.	AUT
94913	GELANTIPY AWS	37° 13 'S	148° 16 'E	-	760		23	02	05	08	11	14	17	20	S00-24	.	.	.	.	AUT
94934	GREEN CAPE AWS	37° 16 'S	150° 03 'E	11	10		23	02	05	08	11	14	17	20		.	.	.	.	AUT
95362	SPRINGSURE (POST OFFICE)	24° 07 'S	148° 05 'E	-	326		23	.	05	.	.	.	.	.		.	.	.	.
95533	TEXAS (POST OFFICE)	28° 51 'S	151° 10 'E	-	284		23	.	05	.	.	.	.	.		.	.	.	.
95659	ROXBY DOWNS	30° 27 'S	136° 52 'E	105	98		23	02	05	08	11	.	17	20		.	.	.	.
95661	PORT LINCOLN AERO (AWS)	34° 36 'S	135° 53 'E	11	10		23	02	05	08	11	14	17	20	S00-24	.	.	.	.	AUT
95664	WHYALLA AIRPORT (AWS)	33° 04 'S	137° 31 'E	7	13		23	02	05	08	11	14	17	20	S00-24	.	.	.	.	AUT
95762	TAMWORTH AWS	31° 05 'S	150° 51 'E	396	407		23	02	05	08	11	14	17	20	S00-24	.	.	.	.	AUT
95931	BEGA AWS	36° 40 'S	149° 49 'E	42	41		23	02	05	08	11	14	17	20	S00-24	.	.	.	.	AUT
95961	LOW ROCKY POINT (AWS)	42° 59 'S	145° 30 'E	35	34		23	02	05	08	11	14	17	20		.	.	.	.	AUT
95968	POWRANNA	41° 41 'S	147° 17 'E	-	163		23	.	05	.	.	.	.	.		.	.	.	.
95975	BULL BAY	43° 06 'S	147° 22 'E	-	40		23	.	05	.	.	.	.	.		.	.	.	.

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

1. Publication No. 9, Volume A - Stations (continued)

1.2 Deleted stations

Index No.	Name
02451	VASTRA BANKEN
11540	HOSIN
48802	SA PA
48810	BAC CAN
48831	THAI NGUYEN
48838	MONG CAI
48846	HA TINH
48863	QUANG NGAI
48866	PLEIKU
48875	BANMETHUOT
48907	RACH GIA
94959	ADAMSONS PEAK (AWS)
95956	LUNCHEON HILL AWS
94311	GOLDSWORTHY
94584	DOUBLE ISLAND POINT
94593	SOUTHPORT
95720	YOUNG

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	
48823	NAM DINH	X	X	X	X	X	X	X	X						
48830	LANG SON	X	X	X	X	X	X	X	X						
48840	THANH HOA	X	X	X	X	X	X	X	X						
48852	HUE	X	X	X	X	X	X	X	X						
48914	CA MAU	X	X	X	X	X	X	X	X						
48920	TRUONG SA	X	X	X	X	X	X	X	X						
94765	BANKSTOWN AIRPORT AWS	23	02	05	08	11	14	17	20	S00-24					AUT
94855	BENDIGO AIRPORT	23	.	05	.	11	.	.	20						
94216	KUNUNURRA (KUNUNURRA AWS)	01	04	07	10	13	16	19	22	S00-24					AUT
94368	HAMILTON ISLAND	23	02	05	.	.	.	.	20						
94119	GARDEN POINT	23	.	05	.	.	.	17	.						
94323	WATARRKA (KINGS CANYON)	23	02	05	.	11	.	.	20						
94655	TARCOOLA	23	02	05	.	11	.	.	20						
94481	MOOMBA	23	02	05	08	11	.	17	20						
94688	LAMEROO	23	02	05	08	11	.	.	20						
94812	ROBE (P.O.)	23	.	05	.	.	.	.	.	
94542	DALBY AIRPORT	23	.	05	.	11	.	.	20						
94390	SANDY CAPE	23	02	05	08	11	.	17	20						
94896	ALBURY AIRPORT	23	02	05	.	.	.	.	.	
94957	WYNYARD WEST	23	.	.	08	11	.	17	20						

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

1. Publication No. 9, Volume A - Stations (continued)

1.5 Temporary changes

- **Notification from Botswana**

That the new station 68040 LETLHAKANE will for the time being operate daily from 0300 to 1800 UTC due to staffing constraints. It is however intended to bring it to a 24-hour watch system as soon as possible.

This station has been included in the Botswana meteorological bulletin as from 1 September 1992.

- **Notification from Australia**

Changes in observing hours due to daylight saving time in Australia

That Tasmania will introduce one hour daylight saving (summer time) from 1600 UTC 3 October 1992 until 1500 UTC 27 March 1993 and Victoria, New South Wales, Australian Capital Territory and Southern Australia from 1600 UTC 24 October 1992 until 1500 UTC 6 March 1993.

Western Australia, Queensland and Northern Territory will not be implementing summer time.

Surface observations at stations in those states implementing summer time will be made one hour earlier.

Surface observations at stations in Western Australia, Queensland and Northern Territory will continue on the present schedule.

Upper-air stations in Tasmania will make ascents one hour earlier at 1615, 2215, 0415 and 1015 UTC commencing on 3 October 1992 and ceasing on 27 March 1993.

All other upper-air stations in Australia will make ascents one hour earlier at 1615, 2215, 0415 and 1015 UTC commencing on 24 October 1992 and ceasing on 6 March 1993.

Upper-air stations in Western Australia currently perform a routine ascent at 1615 UTC throughout the year. No change will therefore be made to the release time of this ascent due to daylight saving.

Other stations under Australian control will adopt the following schedules:

94299	Willis Island	will follow Queensland practice
94995	Lord Howe Island.....)	will follow New South Wales practice
94996	Norfolk Island.....)	
94998	Macquarie Island.....	entire observation programme one hour earlier
96996	Cocos Island.....	will follow Western Australian practice

Surface and upper-air programmes of Antarctic stations operated by Australia remain unchanged.

4.1 Canada (continued)

4.1.1 Moored Buoys (continued)

• North-west Atlantic Ocean:

WMO buoy Identifier	ARGOS Identifier	Position: 1 August 1992		Observed or technical parameters								
		Latitude	Longitude	1	2	3	4	5	6	7	8	
44131	03479	46°03'N	60°42'W	X	X	X	X	X	X	X	X	.
44137	05579	41°12'N	61°08'W	X	X	X	X	X	X	X	X	.
44138	05577	44°14'N	53°38'W	X	X	X	X	X	X	X	X	.
44139	03448	44°19'N	57°21'W	.	.	.	.	.	.	.	.	.
44140	05576	42°44'N	50°36'W	.	.	X	X	X	X	X	X	.
44141	03449	42°04'N	56°09'W	X	X	X	X	X	X	X	X	.
44142	05578	42°30'N	64°12'W	X	X	X	X	X	X	X	X	.

• Great Lakes:

WMO buoy Identifier	ARGOS Identifier	Position: 1 August 1992		Observed or technical parameters								
		Latitude	Longitude	1	2	3	4	5	6	7	8	
45135	N/A	43°47'N	76°53'W	X	X	X	X	X	X	X	X	.
45137	N/A	45°33'N	81°01'W	X	X	X	X	X	X	X	X	.
45132	N/A	42°28'N	81°13'W	X	X	X	X	X	X	X	X	.
45139	N/A	45°16'N	79°33'W	X	X	X	X	X	X	X	X	.
45136	03477	48°33'N	86°57'W	X	X	X	X	X	X	X	X	.
45138	08249	49°33'N	65°45'W	X	X	X	X	X	X	X	X	.
45141	N/A	61°11'N	115°19'W	X	X	X	X	X	X	X	X	.

4.1.2 Drifting Buoys

• North-east Pacific Ocean:

WMO buoy Identifier	ARGOS Identifier	Position: 5 August 1992		Observed or technical parameters								
		Latitude	Longitude	1	2	3	4	5	6	7	8	
46631	12510	50°00'N	164°12'W	.	X	X	X	X	.	.	.	X
46632	12511	31°06'N	126°06'W	.	X	X	X	X	.	.	.	X
46633	12512	49°12'N	157°18'W	.	X	X	X	X	.	.	.	X
46640	12519	51°12'N	171°06'W	.	X	X	X	X	.	.	.	X
46681	07135	51°24'N	173°30'W	.	X	X	X	X	.	.	.	X
46682	07136	43°18'N	145°18'W	.	X	X	X	X	.	.	.	X
46684	07137	42°54'N	141°06'W	.	X	.	.	X	.	.	.	X
46687	07138	30°06'N	150°24'W	.	X	X	X	X	.	.	.	X
46699	07146	52°42'N	152°06'W	.	X	X	X	X	.	.	.	X
46704	07128	35°00'N	130°48'W	.	X	X	X	X	.	.	.	X
46706	07130	26°42'N	136°54'W	.	X	X	X	X	.	.	.	X
46708	07132	52°18'N	140°42'W	.	X	X	X	X	.	.	.	X

• Arctic Icepack:

WMO buoy Identifier	ARGOS Identifier	Position: 20 August 1992		Observed or technical parameters								
		Latitude	Longitude	1	2	3	4	5	6	7	8	
47532	05313	82°00'N	103°48'W	.	X	X	.	.	.	.	.	.
48526	05314	75°00'N	137°48'W	.	X	X	.	.	.	.	.	.
48567	01837	73°48'N	149°24'W	.	.	X	.	.	.	.	.	.
48568	07100	73°48'N	143°06'W	X	X	X	.	.	.	.	.	.

4.2 United States of America

List of U.S.A. Ocean Data Acquisition System (ODAS) included in the September 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

Column	Parameters	Column	Parameters
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: 10-17 Sept. 1992		Observed or technical parameters								
		Latitude	Longitude	1	2	3	4	5	6	7	8	
32302		18.0S	85.1W	X	X	X	X	X	X	X	X	X
41001**		34.9N	73.0W	X	X	X	X	X	X	X	X	X
41002**		32.3N	75.2W	*	*	*	*	*	*	*	*	*
41004		32.5N	79.1W	X	X	X	X	X	X	X	X	X
41006**		29.3N	77.4W	X	X	X	X	X	X	X	X	X
41009		28.5N	80.2W	X	X	X	X	X	X	X	X	X
41010		28.9N	78.5W	X	X	X	X	X	X	X	X	X
41016		24.6N	76.5W	X	X	X	X	X	X	X	X	X
42001**		25.9N	89.7W	X	X	X	X	X	X	X	X	X
42002**		25.9N	93.6W	X	X	X	X	X	X	X	X	X
42003**		25.9N	85.9W	X	X	X	X	X	X	X	X	X
42007		30.1N	88.8W	X	X	X	X	X	.	.	.	.
42019		27.9N	95.0W	X	X	X	X	X	X	X	X	X
42020		27.0N	96.5W	X	X	X	X	X	X	X	X	X
42025		24.9N	80.4W	.	*	.	X	X	X	X	X	X
44004**		38.5N	70.7W	X	X	X	X	X	X	X	X	X
44005**		42.6N	68.6W	X	X	X	X	X	X	X	X	X
44007**		43.5N	70.1W	X	X	X	X	X	X	X	X	X
44008**		40.5N	69.4W	X	X	X	X	X	X	X	X	X
44009**		38.4N	74.7W	X	X	X	X	X	X	X	X	X
44011**		41.1N	66.6W	X	X	X	X	X	X	X	X	X
44012**		38.8N	74.6W	X	X	X	X	X	X	X	X	X
44013**		42.4N	70.8W	X	X	X	X	X	X	X	X	X
44014		36.6N	74.8W	X	X	X	X	*	X	X	X	X
44025		40.3N	73.2W	X	X	X	X	X	X	X	X	X
45001**		48.0N	87.8W	X	X	X	X	X	X	X	X	X
45002**		45.3N	86.4W	X	X	X	X	X	X	X	X	X
45003**		45.3N	82.7W	X	X	X	X	X	X	X	X	X
45004**		47.5N	86.5W	X	X	X	X	X	X	X	X	X
45005**		41.7N	82.4W	X	X	X	X	X	X	X	X	X
45006**		47.3N	89.9W	X	X	X	X	X	X	X	X	X
45007**		42.7N	87.1W	X	X	X	X	X	X	X	X	X

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

4.2 United States of America (continued)

4.2.1 Moored Buoys (continued)

WMO buoy Identifier	ARGOS Identifier	Position: 10-17 Sept. 1992		Observed or technical parameters							
		Latitude	Longitude	1	2	3	4	5	6	7	8
45008**		44.3N	82.4W	X	X	X	X	X	X	X	X
46001**		56.3N	148.2W	X	X	X	X	X	X	X	X
46002**		42.5N	130.3W	X	X	X	X	X	X	X	X
46003**		51.9N	155.9W	X	X	X	X	X	X	X	X
46005**		46.1N	131.0W	X	X	X	X	X	X	X	X
46006**		40.9N	137.5W	X	X	X	X	X	X	X	X
46011		34.9N	120.9W	X	X	X	X	X	X	X	X
46012		37.4N	122.7W	X	X	X	X	X	X	X	X
46013		38.2N	123.3W	X	X	X	X	X	X	X	X
46014		39.2N	124.0W	X	X	X	X	X	X	X	X
46022		40.7N	124.5W	X	X	X	X	X	X	X	X
46023		34.3N	120.7W	X	X	X	X	X	X	X	X
46025		33.7N	119.1W	X	X	X	X	X	X	X	X
46026**		37.7N	122.7W	X	X	X	X	X	X	X	X
46027**		41.8N	124.4W	*	X	X	X	X	X	X	X
46028		35.8N	121.9W	X	X	X	X	*	X	X	X
46029**		46.2N	124.2W	X	X	X	X	X	X	X	X
46030		40.4N	124.5W	*	*	*	*	*	*	*	*
46035		57.0N	177.7W	X	X	X	X	X	X	X	X
46040		44.8N	124.3W	*	*	*	*	*	*	*	*
46041		47.4N	124.5W	X	X	X	X	X	X	X	X
46042		36.8N	122.4W	X	X	X	X	*	X	X	X
46045		33.8N	118.4W	X	X	X	X	X	X	X	X
46047		32.7N	119.6W	X	X	X	X	X	X	X	X
46048		32.9N	117.9W	X	X	X	X	X	X	X	X
46050		44.6N	124.5W	X	X	X	X	X	X	X	X
46051		34.5N	120.7W	X	X	X	X	X	X	X	X
51001**		23.4N	162.3W	X	X	X	X	X	X	X	X
51002**		17.2N	157.8W	X	X	X	X	X	X	X	X
51003**		19.3N	160.8W	X	X	X	X	X	X	X	X
51004**		17.4N	152.5W	X	X	X	X	X	X	X	X
52009		13.7N	144.7E	*	*	*	*	*	*	*	*

4.2.2 Drifting Buoys

WMO buoy Identifier	ARGOS Identifier	Position: 16-17 Sept. 1992		Observed or technical parameters							
		Latitude	Longitude	1	2	3	4	5	6	7	8
16807	05133	61°S	151°E	.	X	*	.	X	.	.	.
16810	12309	53°S	079°E	.	X	X	.	X	.	.	.
17809	05125	31°S	056°E	.	X	X	.	X	.	.	.
17814	01968	47°S	086°E	.	X	X	.	X	.	.	.
17825	05129	30°S	074°E	.	X	X	.	X	.	.	.
33510	12308	36°S	108°E	.	X	X	.	X	.	.	.
33831	01967	39°S	020°E	.	X	X	.	X	.	.	.
54801	01973	32°S	150°W	.	.	.	.	.	.	.	.

* Sensor/system failure

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

4.2.2 Drifting Buoys

WMO buoy Identifier	ARGOS Identifier	Position: 16-17 Sept. 1992		Observed or technical parameters								
		Latitude	Longitude	1	2	3	4	5	6	7	8	
54802	01993	34°S	143°W	.	X	X	.	X	.	.	.	.
54803	01975	47°S	158°W	.	X	X	.	X	.	.	.	.
54804	01970	47°S	150°W	.	X	X	.	X	.	.	.	.
54805	01985	43°S	160°W	.	X	X	.	X	.	.	.	.
54833	06586	46°S	125°W	X	X	X	.	X	.	.	.	X
54836	05128	30°S	141°W	.	.	.	.	.	.	.	.	.
54838	08823	43°S	130°W	.	X	X	.	X	.	.	.	.
54840	05120	57°S	077°W	.	X	X	.	X	.	.	.	.
54843	05134	48°S	111°W	.	X	X	.	X	.	.	.	.
54844	05123	47°S	102°W	.	.	.	.	.	.	.	.	.
56801	05130	12°S	100°E	.	X	X	.	X	.	.	.	.
56835	12291	24°S	082°E	.	X	X	.	X	.	.	.	.
56836	12293	26°S	097°E	.	X	X	.	X	.	.	.	.
56837	05116	06°S	107°E	.	*	X	.	*	.	.	.	.
56838	12294	13°S	050°E	.	X	X	.	X	.	.	.	.
56839	05124	18°S	072°E	.	X	X	.	X	.	.	.	.
74801	01980	65°S	041°W	.	*	X	.	*	.	.	.	.

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		

4.3.2 Drifting Buoys

WMO buoy Identifier	ARGOS Identifier	Position: 20 September 1992		Observed or technical parameters								
		Latitude	Longitude	1	2	3	4	5	6	7	8	9
51891	01621	05°26'S	165°47'E	.	.	.	.	X	.	.	.	X
52888	02675	02°59'N	160°45'E	.	.	.	.	X	.	.	.	X
52889	02678	05°08'N	171°02'E	.	.	.	.	X	.	.	.	X
52890	02679	03°35'N	171°38'E	.	.	.	.	X	.	.	.	X
52891	02676	00°42'S	163°19'E	.	.	.	.	X	.	.	.	X
52892	02677	04°10'N	170°03'E	.	.	.	.	X	.	.	.	X
52893	02680	01°12'N	167°16'E	.	.	.	.	X	.	.	.	X
62501	10115	36°30'N	15°31'W	.	.	X	X	X	.	.	.	.
62502	10106	47°06'N	10°38'W	*	.	X	X	X	.	.	.	.
62503	05834	44°34'N	14°03'W	.	.	X	X	X	.	.	.	X
62504	05825	41°57'N	11°32'W	.	.	X	X	X	.	.	.	.
62505	14412	42°35'N	13°41'W	X	.	X	.	X	.	.	.	X
62506	10119	30°00'N	27°01'W	.	.	X	.	X	.	.	.	X
62507	05794	47°19'N	11°59'W	.	.	X	X	X	.	.	.	.
62508	15499	32°57'N	24°42'W	X	.	X	.	X	.	.	.	X
62509	10121	32°14'N	20°17'W	X	.	X	.	X	.	.	.	X
62510	15497	33°50'N	18°38'W	X	.	X	.	X	.	.	.	X
62511	01354	46°16'N	13°06'W	.	.	X	.	X	.	.	.	.
62512	01355	46°58'N	12°10'W	.	.	X	.	X	.	.	.	.
62513	01356	47°07'N	11°50'W	.	.	X	.	X	.	.	.	.
62515	10109	47°50'N	10°10'W	X	.	X	.	X	.	.	.	.

5. ARGOS service

5.1 ARGOS monthly status report

As at 4 September 1992 the ARGOS service was handling reports from 965 drifting buoys, 259 moored buoys, 8 balloons, 31 ships, 227 animal trackings, 384 fixed stations, 364 boats and 66 miscellaneous platforms. DRIFTER reports from 66 drifting buoys and BATHY reports from 19 selected ships were transmitted to the RTH Paris and DRIFTER reports from 435 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	France (continued)	HPEW*	04720	
	55513	00421		C6IO*	04722	
	55515	00415		FNJT*	04724	
	55516	00417		FITA*	04734	
	55517	00413		FNCZ*	08744	
	56001	04873		3EKW*	08748	
	56501	02934		Germany	48601	11240
	56503	08035			48602	11241
	56504	08036			63662	09360
	56506	04875			63663	09372
	56507	04876	71042		03317	
	56508	04877	71524		03315	
	56549	04872	71550		09356	
	GYSA*	09189	71551		09357	
	9VWM*	09191	71552		09358	
	VJBQ*	09192	71553		09359	
	Canada	21551	01333	71554	09366	
		21553	01332	71555	09367	
		46643	01185	71556	09368	
		46644	01198	71557	09369	
46648		01188	New Zealand	55580	06439	
46651		01318		55584	07178	
Finland		71091		05895	55585	07177
		France		62501	10115	55586	07176
	62502		10106	Norway	17001	01591
	62503		05834		25561	01556
62504	05825		26531		01791	
62507	05794	26532	01790			
ELIS*	04705	44760	03038			
FNGS*	04707	44766	03675			
FNZQ*	04711	63531	03704			
C6HL*	04712	65594	09308			
ZDAZ*	04714	71003	09498			
FNZP*	04715	71004	09499			
ELIL*	04719	74002	09405			
		74005	09406			
		Republic of Korea	22602	02032		
			22603	02033		

* PTT's transmitting at irregular intervals

5.1 ARGOS monthly status report (continued)

Operating country	WMO Identifier/ Call sign	ARGOS Identifier	Operating country	WMO Identifier/ Call sign	ARGOS Identifier
South Africa**	14523	06730	United States of America (continued)	14464	14464
	14524	03515		15103	15103
	17538	03510		15700	15700
	17539	03511		16807	05133
United Kingdom	25562	01639	16810	12309	
	44762	01253	17804	12300	
	44763	01256	17809	05125	
	44764	01254	17812	01981	
	44765	01255	17814	01968	
	62601	08336	17815	01965	
	62605	03907	17825	05129	
	62696	01251	21524	02269	
	62697	01261	21525	06096	
	62805	06285	21526	01535	
	64608	01252	21528	01536	
	United States of America	11318	14356	21532	16323
		12513	06283	21573	04648
		12515	06386	21901	15537
		12516	06387	21902	15536
13005		01647	21903	15588	
13501		12720	21904	14981	
13502		12721	21905	00499	
13503		06187	21906	00501	
13901		14455	21907	00502	
13902		14456	21908	15572	
13903		14457	21909	16191	
13904		14445	21910	16192	
13905		14447	22511+	06116	
13906		14460	22901	00507	
13907		14461	22902	00508	
13908		14462	22903	00498	
13909		08598	22904	00531	
13911		14448	22905+	14972	
13912		14439	25537	12805	
13913		14450	32315+	06461	
13914		14452	32316+	06799	
13915		14453	32317+	15808	
13917		14440	32318+	12522	
13918		14437	32319+	06371	
13919		14442	32525+	11192	
13920		14443	32439	15604	
13921		14444	32512	11920	
13922	02005	32513	11917		
13923	02006	32514	11948		
13924	14436	32515	15648		
13925	14438	32516	11927		
13926	02070	32517	15093		
		32518	15091		

** 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

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

5.1 ARGOS monthly status report (continued)

Operating country	WMO Identifier/ Call sign	ARGOS Identifier
United States of America (continued)	32519	11905
	32520	15649
	32521	15651
	32522	15598
	32523	10809
	32524	15695
	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
	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
	32910	15540
	32911	15541
	32912	15542
	32913	15546
	32914	03568
	32915	15048
	32916	15545

Operating country	WMO Identifier/ Call sign	ARGOS Identifier
United States of America (continued)	33509	12307
	33510	12308
	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
	41525	06277
	41902	08594
	41903	08596
	41904	08599
	41906	12333
	41907	12329
	41908	12339
	41909	02007
	41910	12324
	41911	12325
	41912	02008
	41913	12330
	41914	12334
	41915	12328
	41916	12327
	41917	12337
	41918	12338
	42026	00937
	42027	00930
	42028	00932
	42030	00931
	42032	00933
	42501	02447
	42502	03582
	43001+	06473
	43501	11919
	43503	15656
	43504	11198
	43505	15657
	43506	15698
	43507	15010
	43508	15008
	44505	09169
	44506+	09163
	44507	09175
	44508	02579
	44509	02589

+ PTTs which were removed from GTS during the month

5.1 ARGOS monthly status report (continued)

Operating country	WMO Identifier/ Call sign	ARGOS Identifier	Operating country	WMO Identifier/ Call sign	ARGOS Identifier
United States of America (continued)	44514	04646	United States of America (continued)	51019+	00786
	44903	12323		51019+	06475
	44904	12321		51020+	00988
	44905	12335		51020+	06518
	44906	12332		51021+	04594
	46521	14318		51022+	04592
	46531	15618		51022+	06370
	46532	15615		51023+	00787
	46533	15619		51023+	06517
	46534	15624		51025	12878
	46535	15607		51301+	06380
	46536	15609		51302+	04593
	46537	15612		51303+	06474
	46538+	15613		51304+	00789
	46539	15622		51305+	00791
	46540	15562		51306+	00793
	46541	15643		51306+	06794
	46542	15639		51309+	00792
	46543	15642		51310+	00790
	46544	15637		51510	15042
	46545	15640		51512	15089
	46546	15641		51513	11663
	46547	15070		51514	02433
	46549	15076		51515	14432
	46550	01135		51516	11949
	46901	15655		51517	11676
	46902	15563		51518	15077
	46903	15564		51519	02437
	46904	15573		51520	03117
	47601	12823		51801	14433
	48518	12800		51802	02434
	48519	12820		51803	15593
	48520	12801		51804	14434
	48554	12802		51805	15106
	48555	12806		51806	03118
	48557	12808		51808	02435
	48558	12821		51809	14435
	48559	12822		51810	11956
	48560	12824		51811	15653
	48562	12826		51812	15654
	48564	12828		51813	11924
	48565	12829		51814	11946
	51006+	04597		51815	03222
	51007+	15814		51816	15616
	51008+	04596		51817	15617
	51009+	15811		51818+	15110
	51010+	04591		51821	11690
	51011+	12529		51022+	11870
	51014+	04595		51823	03223
	51016+	15812		51824	02436
	51017+	12527		51825	03116
	51018+	15809		51826	03119

+ PTTs which were removed from GTS during the month

5.1 ARGOS monthly status report (continued)

Operating country	WMO Identifier/ Call sign	ARGOS Identifier
United States of America (continued)	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	
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	
52001+	15813	
52002+	06476	
52003+	12524	

Operating country	WMO Identifier/ Call sign	ARGOS Identifier
United States of America (continued)	52004+	12528
	52006+	06519
	52007+	00773
	52008+	06795
	52010+	06460
	52301+	00776
	52302+	00777
	52303+	00772
	52304+	00775
	52305+	00771
	52307+	00774
	52506	15031
	52507	15037
	52508	15104
	52509	15109
	52510	11939
	52512	15023
	52513	15661
	52514	14975
	52515	15041
	52517	15551
	52518	15114
	52520	15121
	52521	16320
	52522	01143
	52523	01144
	52524	01145
	52525	06828
	52526	06829
	52527	16305
	52529	16308
	52530	16309
	52531	16310
	52532	16311
	52533	16312
	52534	16313
	52535	16314
	52536	16315
	52537	16316
	52538	16321
	52539	16318
	52540	16319
	52616	15021
	52801	15035
	52802	15552
	52803	15029
	52804	16202
	52805	15012
	52807	09278
	52808	15666
	52809	15016
	52810	15701

+ PTTs which were removed from GTS during the month

5.1 ARGOS monthly status report (continued)

Operating country	WMO Identifier/ Call sign	ARGOS Identifier
United States of America (continued)	52811	16206
	52812	15126
	52814	15659
	52815	15660
	52816	15664
	52817	15665
	52818	15670
	52826	15668
	52827+	15663
	52828	15669
	52829	01208
	52832	01214
	52833	01215
	52835	15548
	52836	15549
	52872	11890
	52896	01028
	52928	15692
	53801	00503
	53802	00504
	53803	00506
	54801	01973
	54802	01993
	54803	01975
	54804	01970
	54805	01985
	54833+	06586
	54836	05128
	54838	08823
	54840	05120
	54843	05134
	54844	05123
	54901	15049
	54902	15115
	54903	15118
	54904	15020
	54905	15024
	54906	15539
	54907	15044
	54908	15129
	54909	15120
	54910	15033
	54912	15101
	54913	15112
	54914	15119
	54915	15678
	54916	15630
	54917	15631
	54918	15632
	54919	15634
	54920	15633
	54921	15675

Operating country	WMO Identifier/ Call sign	ARGOS Identifier
United States of America (continued)	54922	15682
	54923	15683
	54924	15693
	54925	15694
	54926	15676
	54927	15538
	54929	15681
	54930	15690
	54931	15543
	54932	15547
	54933	15544
	55601	01123
	55803	05136
	56801	05130
	56835	12291
	56836	12293
	56837	05116
	56838	12294
	56839	05124
	56840	12292
	61534	12692
	61535	06284
	61537	11283
	61538	11286
	61539	12724
	62673	01131
	62674	01132
	62901	15569
	62902	15570
	62903	15571
	62904	01862
	62905	01864
	62906	08590
	62907	08591
	64582	02126
	64583	02128
	71564	01433
	74801	01980
	74802	01983
ATLAS BUOYS	32315	06461
	32316	06799
	32317	15808
	32318	12522
	32319	06371
	43001	06473
	51006	04597
	51007	15814
	51008	04596
	51010	04591
	51011	12529
	51014	04595

* PTTs which were removed from GTS during the month

5.1 ARGOS monthly status report (continued)

Operating country	WMO Identifier/ Call sign	ARGOS Identifier
ATLAS	51015	15810
BUOYS	51016	15812
(continued)	51017	12527
	51018	15809
	51019	06475
	51020	06518
	51021	04594
	51022	04592
	51023	06517
	51301	06380
	51302	04593
	51303	06474
	51304	00789
	51305	00791
	51306	06794
	51309	00792

Operating country	WMO Identifier/ Call sign	ARGOS Identifier
ATLAS	51310	00790
BUOYS	52001	12526
(continued)	52002	06476
	52003	12528
	52004	12528
	52006	06519
	52007	06797
	52010	06460
	52012	06471
	52301	00776
	52302	00777
	52303	00772
	52304	00775
	52305	00771
	52307	00774

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 III - Global Telecommunication System

Date: September 1992

C. Information on the operation of the GTS

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

1.2 Deleted bulletins

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

That as from 1 November 1992, the Central Forecast office of the Meteorological Office Bracknell will no longer be generating the surface analysis and forecast charts in coded bulletin format:

ASXX21 EGRR and FSXX21 EGRR

1.3 Changes to bulletins

- ***Notification from Austria***

That by October 1992 the ii numbers of abbreviated headings of meteorological bulletins in the globally exchanged reports from RTH Vienna will be, as recommended in paragraph 2.4 in Attachment I-3 of the Manual on the Global Telecommunication System.

- ***Notification from the Russian Federation***

That as from 1 October 1992 upper-air data from station 30054 VITIM transmitted over the GTS will be included in bulletins:

USRA12 RUHB, UKRA12 RUHB, ULRA12 RUHB and UERA12 RUHB.

Simultaneously transmission of the same data from this station will be discontinued from bulletins:

USRA12 RUNW, UKRA12 RUNW, ULRA12 RUNW and UERA12 RUNW.

2. Transmission schedules (Publication No. 9, Volume C, Chapter II)

2.3 Changes in schedules/technical specifications

- I-ii Cairo RTT broadcast effective 24 August 1992:
Replace SUU9 (18 106 kHz) by SUU20 (18 252 kHz)

6. Coastal radio stations (Publication No. 9, Volume D, Part B)

6.4 GMDSS broadcasts

The Global Maritime Distress and Safety System (GMDSS) of IMO entered into force on 1 February 1992. The new WMO high seas marine broadcast system for the GMDSS that operates through the International SafetyNET Service of INMARSAT, was also implemented from this date. This new system will operate in parallel with the existing broadcast system (through coastal radio stations) until 1 February 1999. The transmission schedule for the full GMDSS service broadcasts of routine weather bulletins (including warnings) for the high seas is given in Table 1 for the different ocean areas. The INMARSAT Coast Earth Station (CES), as well as the actual satellite through which these bulletins are transmitted are also indicated (e.g., AOR(E) = Atlantic Ocean Region Satellite (East), etc.).

For some ocean areas, the full GMDSS service is not yet implemented because of technical reasons related to access to the appropriate CES. For these areas, an interim urgent meteorological warning information service has been put in place. The transmission schedule for this service is given in Table 2.

TRANSMISSION SCHEDULE FOR INTERNATIONAL SAFETYNET SERVICE BROADCASTS OF ROUTINE WEATHER BULLETINS FOR THE HIGH SEAS UNDER THE GMDSS

MSI Area	Issuing Service	CES for scheduled broadcasts	Broadcast schedule (UTC)			
I	United Kingdom	Goonhilly for AOR (E)	0930	1130	2130 (Parts IV & V)	
II	France	Pleumeur Bodou for AOR (E)	0900	2100		
III	Greece	Thermopylae**	(To be determined)			
IV	USA	Southbury for AOR (W)	0500	1100	1730	2300
V	Brazil	Tangua** for AOR (W)	0130	0730	1330	1930
VI	Argentina	Southbury** for AOR (W)	0230	1730		
VII AOR	South Africa*	Goonhilly (AOR (E))	0830	2030		
VII IOR	South Africa*	Perth (IOR)	0930	1930		
VIII	India	Arvi (IOR)**	(To be determined)			
IX	Saudi Arabia	Jeddah (IOR)**	0500	1700		
X IOR	Australia	Perth (IOR)	1030	2330		
X POR	Australia	Perth (POR)	1100	2300		
XI (IOR)	China (For IOR)	Beijing (IOR)**	0330	1430		
XI POR	Japan (For POR)	Perth (POR)	0230	0330	1430	2030
XII	USA	Santa Paula (POR) Southbury (AOR (W))	0545	1145	1745	2345
XIII	Russian Federation	(Nakhodka (POR)** (Odessa (AOR (E))** (Odessa (IOR)**	0930 0230 0330	2130 1430 1515		
XIV	New Zealand	Perth (POR)**	0900	2100		
XV	Chile	Southbury (AOR (W))**	0330	1530		
XVI	USA	Southbury (AOR (W))	0445	1045	1645	2245

Table 1

** The full GMDSS service is not yet operational from these CES. An interim urgent warning service is in place (see Table 2 for schedule).
 • 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

6. Coastal radio stations (Publication No. 9, Volume D, Part B) (continued)**6.4 GMDSS broadcasts (continued)****TRANSMISSION SCHEDULE FOR URGENT METEOROLOGICAL WARNING INFORMATION SERVICE FOR GMDSS**

(Information as of 15 August 1992)

MSI Area	Preparation Service	Issuing Service	GES for scheduled broadcasts	Broadcast schedule (UTC)			
III	Greece (Eastern Med.) France (Western Med.)	United Kingdom	Goonhilly (AOR (E))	1030			
V	Brazil	USA	Southbury (AOR (W))	2000			
VI	Argentina	USA	Southbury (AOR (W))	2000			
VIII	India (North of Equator)	Australia	Perth (IOR)	0845			
VIII	Reunion (South of Equator)	South Africa**	Perth (IOR)	•			
IX	Saudi Arabia	Australia	Perth (IOR)	•			
XIII	Japan	Japan***	Perth (POR)	0230	0830	1430	2030
XIV	New Zealand	Australia	Perth (POR)	2000			
XV	Chile	USA	Southbury (AOR (W))	2000			

Table 2

** 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

• Schedule to be provided

*** Included as part of full GMDSS service broadcasts for MSI Area XI.