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 Annexes: 3

Time "GS" Memorandum Repts 1 - KD

GENEVA, 30 November 1989

Subject

Monthly letter on the operation of the World Weather Watch (WW) and Marine Meteorological Services (MMS) (November 1989)

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 (WW) 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 WW 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
 - 1.5 Temporary changes
4. Automatic Marine Stations
5. ARGOS monthly status report
6. Feed-back from Members to the Secretariat on any changes in the observing network

To: Permanent Representatives (or Directors of Meteorological or Hydro-meteorological Services) of Members of WMO (PR-4425)
 Directors of Meteorological Services of non-Member countries (MC-2422)
 Presidents and Vice-Presidents of Regional Associations (P.RA-1223)
 Presidents and Vice-Presidents of Technical Commissions (P.TC-1340)
 Chairmen of CBS Working Groups
 Secretary-General of ICAO
 Director-General of IATA
 Secretary of IOC
 Director-General of ASECNA
 Director of ECMWF

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)

- 1.1 New Bulletins

Annex V - Marine Meteorological Services (MMS) and related Oceanographic activities

C. Information on the operation of Marine Meteorological Services

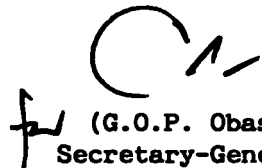
1. Broadcasts for shipping and other marine activities (Publication No. 9, Volume D, Part A)

- 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 6, "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: November 1989

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

1. Publication No. 9, Volume A - Stations

1.1 New stations

11538	TEMELIN	4912N	1420E	508	504	X	X	X	X	X	X	X	X	H00-24 /
93994	RAOUL ISLAND, KERMADEC IS.	2915S	17755W	49	46	X	X	X	X	X	X	X	X		. . . . AUT /

1.2 Deleted stations

06115 MOLLEHUS /

1.3 Changes to existing stations

71450	ELBOW, SASK	. . . . .	X	. . . . .	H15-22, H00-14, 23 /	
78401	MOLE SAINT-NICOLAS	. . . . .	X	X	X	X /
78435	JEREMIE	X	X	X	X	X /
78437	PORT-AU-PRINCE (DAMIEN)	X	X	X	X	X /
78449	JACMEL	X	X	X	X	X /
91997	RAOUL ISLAND KERMADEC IS.	X . . . .	. . . . .	. . . . .	X /	
93997	RAOUL ISLAND KERMADEC IS.	X . . . .	. . . . .	. . . . .	X /	

1.5 Temporary changes

Argentina

Argentina has notified that for technical reasons 12 UTC radiosonde observations at station 87344 Cordoba Aero are temporarily suspended.

Jamaica

Jamaica has notified that surface observations at station 78399 Morant Point are temporarily suspended.

4. Automatic marine stations

United States of America

List of U.S.A. Ocean Data Acquisition System (ODAS) included in the November 1989 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 DRIBU code.

Legend

<u>Column</u>	<u>Observed or technical parameters</u>
1	Wind direction and speed
2	Air temperature
3	Pressure
4	Pressure tendency
5	Sea-surface temperature
6	Wave period and height
7	Wave spectra
8	Drogued

Moored buoys:

<u>WMO buoy Identifier</u>	<u>Position</u>		<u>Observed or technical parameters</u>						
	<u>2</u>	<u>November 1989</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
32302	18°00'S	085°06'W	X	X	X	.	X	X	X
41001**	34°54'N	073°00'W	X	X	X	.	X	X	X
41002**	32°12'N	075°18'W	X	X	X	.	X	X	X
41006**	29°18'N	077°24'W	*	*	*	.	*	*	*
41008	30°42'N	081°06'W	*	*	*	.	*	*	*
41009	28°30'N	080°12'W	X	X	X	.	X	X	X
41010	28°54'N	078°30'W	*	X	X	.	X	X	X
42001**	25°54'N	089°42'W	X	X	*	.	X	X	X
42002**	26°00'N	093°30'W	X	X	X	.	X	X	X
42003**	25°54'N	085°54'W	X	*	X	.	X	X	X
42007	30°06'N	088°48'W	X	X	X	.	X	X	X
42015	30°12'N	088°12'W	X	X	X	.	X	X	X
42016	30°12'N	088°06'W	X	X	X	.	X	X	X
44004**	38°30'N	070°36'W	X	X	X	.	X	X	X
44005**	42°42'N	068°36'W	X	X	X	.	X	X	X
44007**	43°30'N	070°06'W	X	X	X	.	X	X	X
44008**	40°30'N	069°30'W	X	X	X	.	X	X	X
44009**	38°30'N	074°36'W	X	X	X	.	X	X	X
44011**	41°06'N	066°36'W	X	X	X	.	X	X	X
44012**	38°48'N	074°36'W	X	X	X	.	X	X	X
44013**	42°24'N	070°48'W	X	X	X	.	X	X	X
45001**	48°00'N	087°42'W	X	X	X	.	X	X	X
45002**	45°18'N	086°24'W	X	X	X	.	X	X	X
45003**	45°18'N	082°42'W	X	X	X	.	X	X	X
45004**	47°30'N	086°30'W	X	X	X	.	X	X	X
45005**	41°42'N	082°24'W	X	X	X	.	X	X	X
45006**	47°18'N	089°54'W	X	X	X	.	X	X	X
45007**	42°42'N	087°06'W	X	X	X	.	X	X	X
45008**	44°18'N	082°24'W	X	X	X	.	X	X	X
46001**	56°18'N	148°18'W	X	X	X	.	X	X	X
46002**	42°30'N	130°24'W	X	X	X	.	X	X	X

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

* Sensor/system failure

Moored buoys (continued):

WMO buoy Identifier	Position		Observed or technical parameters						
	2 November 1989		1	2	3	4	5	6	7
46003**	51°54'N	155°54'W	X	X	X	.	X	X	X
46005**	46°06'N	131°00'W	X	X	X	.	X	X	X
46006**	40°48'N	137°42'W	X	X	X	.	X	X	X
46010**	46°12'N	124°12'W	X	X	X	.	X	X	X
46011	34°54'N	120°54'W	*	*	*	.	*	*	*
46012	37°24'N	122°42'W	X	X	X	.	X	X	X
46013	38°12'N	123°18'W	X	X	X	.	X	X	X
46014	39°12'N	124°00'W	X	X	X	.	X	X	X
46022	40°48'N	124°30'W	X	X	X	.	X	X	X
46023	34°18'N	120°42'W	X	X	X	.	X	X	X
46025	33°42'N	119°06'W	X	X	X	.	X	X	X
46026**	37°48'N	122°42'W	X	X	X	.	X	X	X
46027**	41°48'N	124°24'W	X	X	*	.	X	X	X
46028	35°48'N	121°54'W	X	X	X	.	X	X	X
46030	40°24'N	124°30'W	X	X	X	.	X	X	X
46035	57°00'N	177°42'W	X	X	X	.	X	X	X
46040	44°48'N	124°18'W	X	X	X	.	X	X	X
46041	47°24'N	124°30'W	X	X	X	.	X	X	X
46042	36°48'N	122°24'W	X	X	X	.	X	X	X
51001**	23°24'N	162°18'W	X	X	X	.	X	X	X
51002**	17°12'N	157°48'W	X	X	X	.	X	X	X
51003**	19°12'N	160°48'W	X	X	X	.	X	X	X
51004**	17°30'N	152°36'W	*	*	*	.	*	*	*

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

- Sensor/system failure

5. Argos monthly status report

- 5.1 As at 2 November 1989, the Argos service was handling reports from 533 drifting buoys, 105 moored buoys, 1 balloon, 88 animal trackings, 417 fixed stations, 36 boats and 33 miscellaneous platforms. DRIBU reports from 23 drifting buoys, SHIP reports from 23 selected ships and BATHY reports from 13 selected ships were transmitted to the RTH Paris and DRIBU reports from 162 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 is given below.

DRIBU code:

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
Australia	55520	04626
	55521	02956
	55524	02961
	56001	02943
	56541	02946
	56542	02944
	56543	02949
	56544	02935
	56545	02930
	56546	02951

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
France	44607	05826
	44608	05827
	62508	05793
	62512	05824
	DHJW*	
	FNGS*	
	FNOM*	
	FNQB*	
	FNZP*	
	FNZQ*	
	FPID*	
	FPYO*	
	FZVN*	
	GTIA*	
	HPEW*	
JPJX*		
SGNY*		
Germany, Federal Republic of	44743	01298
New Zealand	55578	06437
	55579	06435
	55580	06439
	55581	06438
Norway	17003	01758
	44623	03717
	62524	01299
	71001	01757
Portugal	62691	01077
	62692	01078
South Africa**	16021	09490
United Kingdom	62551+	00238
	62552	00355
	62553	00203
	62555	00209
	62556	00210
	62557	00211
	62558	00246
	62559	00219
	62560	00224
	62561	00228
	62562	00235
	62563	00236
	62564	00324

** 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.

* Argos ID-numbers which had their WMO numbers changed during the month

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
United Kingdom (continued)	62565	00326
	62566	00331
	62567	00332
	62568	00333
	62569	00336
	62570	00340
	62571	00342
	62573	00351
	62575	00359
	62576	00362
	62601	03906
	62604	03909
	64043	06270
United States of America	16805	08823
	17801	08953
	17803	05571
	17815	08812
	17816	08814
	17820	08846
	17821	08847
	17823	08950
	21521	08840
	31810	08828
	32514	10836
	32515	11162
	32516	10838
	32517	06863
	32522	10808
	32523	10809
	32527	10818
	32528	10820
	32531	10812
	32532	11124
	32533	11110
	32534	11152
	32535	11158
	32536	11149
	32537	10839
	32538	11172
	32540	11012
	32542	11153
	32543	11133
	32544	11029
	32545	10849
	32551	06889
	32555	06893
	32559	11119
	32811	09213
	32812	09215
	32813	09210
	33815	08813
	33821	08831
	33823	08965
33824	08966	
34814	09211	

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
United States of America (continued)	41525	08960
	41526	08962
	41527	09224
	42501	11456
	42502	11457
	42503	11458
	42504	11462
	42505	11463
	42506	11464
	42507	11465
	42508	11468
	42509	11474
	42510	11475
	42526	11328
	42529	11476
	43507	10814
	43506+	11128
	43508	11171
	43509	10847
	43511	03078
	43801	06898
	43802	06899
	43804+	10816
	43805	10817
	43808	10846
	44502	04570
	44507	04565
	44508+	04537
	44509	09879
	44510	09875
	44511	04569
	44512	04568
	46508	11246
	46509	11247
	46510	11248
	46511	11249
	46515	11259
	46516	03076
	51510	06873
	51511	06883
	51512	06884
51513	06885	
51518	06857	
51801	06894	
51809	11156	
51810	11145	
51814	11129	
51816	11047	
51818	11130	
51819	11032	
51820	11041	
51821	11122	
51823	11113	

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

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
United States of America (continued)	51824	11118
	51825	11014
	51826	11140
	51827	11038
	51828	11136
	51829	11040
	51830	11037
	51831	11049
	51832	11112
	51833	10834
	51834	11170
	52005	01350
	52507	10581
	52510	10591
	52512	10593
	52515	10575
	52516	10578
	52517	10583
	52520	10590
	52802	10822
	52805	06851
	52806	06880
	52807	10824
	52809	10831
	52810	06881
	52813	10835
	52814	10837
	52815	11146
	52817+	10819
	52827	10823
	52838	11157
	52844	11035
	52850	11017
	52851	11010
	53803	11120
	54819	06772
	54823	09212
	54824	09214
	54826	08835
	54828	08836
	55801	09223
	55829	06785
	56823	06760
	56824	08841
	56825	08833
	56826	08842
	64540	11241
64601	11250	
73651	03883	
73801	08961	

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

ATLAS buoys	32315	06461
	32316	06518
	32317	06379
	32318	06372
	51006	06476
	51007	06515
	51008	06514
	51009	06369
	51010	06370
	51011	06381
	51012	06371
	51013	06794
	52001	06380
	52002	06462
	52003	06375
	52004	06516
	52006	06472

Note

Members operating Argos Local Users Terminals (LUTs) are invited to submit to the Secretariat by telex, the list of platforms entering reports into the GTS through their LUTs, effective on or around the 20th of each month.

6. 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 WWV 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 overleaf, 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 (IIiii) 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 (IIiii) 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 Telecommunications System

Date: November 1989

C. Information on the operation of the GTS

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

1.1 New bulletins

Maldives

RTH New Delhi has notified that the following new bulletins compiled by Male International (VRMM) are collected by point-to-point circuit Male - New Delhi and transmitted on the GTS :

SMMV01	VRMM	FM.12-IX	00, 06, 12, 18	43555	43599
UPMV01	VRMM	FM.32-IX	12	43555	
UHMV01	VRMM	FM.32-IX	12	43555	
SIMV20	VRMM	FM.12-IX	03, 09, 15, 21	43555	43599
UGMV20	VRMM	FM.32-IX	12	43555	
UQMV20	VRMM	FM.32-IX	12	43555	

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

Date: November 1989

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

French Antilles (Martinique)

Ai-IV Group D Fort de France Radio effective 1.6.89 add (FFP, 2230 UTC, 160.9 MHz VHF channel 26, 25 W) /

Australia

Ai-V Group B Broome effective 4.9.89 replace 1203 UTC by 1100 UTC; 4323.6 kHz by 4255.6 kHz and 6407.5 kHz by 6463 kHz /

Group B Carnarvon effective 4.9.89 replace in area covered : Port Samson by Cape Preston /

Group A Perth effective 4.9.89 replace 2340 UTC by 1140 UTC /

Group B Perth effective 4.9.89 replace in area covered : Murchison River by Kalbarri /

Group B Sydney effective 4.9.89 replace 440 kHz by 476 kHz and 8452 kHz by 6464 kHz /

Group B Townsville effective 4.9.89 replace 4255.6 kHz by 4323.6 kHz and 6463.5 kHz by 6407.5 kHz /

New Caledonia

Ai-V Group D Noumea Radio effective 1.10.89 add (1930 UTC, 156.8 MHz channel 16 VHF, Caledonian Lagon) /

Group B Radio Noumea (RFO) effective 1.10.89 new schedule /