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Annexes: 2

GENEVA, 30 December 1989

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

4. Automatic Marine Stations

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-4427)
Directors of Meteorological Services of non-Member countries (MC-2423)
Presidents and Vice-Presidents of Regional Associations (P.RA-1224)
Presidents and Vice-Presidents of Technical Commissions (P.TC-1341)
Chairmen of CBS Working Groups
Secretary-General of ICAO
Director-General of IATA
Secretary of IOC
Director-General of ASECNA
Director of ECMWF

Annex IV - Codes

B. Manual on Codes

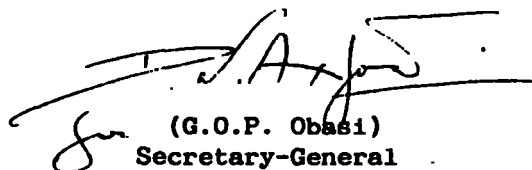
2. Regional practices

2.0 Corrigendum to Volume II of the Manual on Codes,
1987 edition, Supplement No. 2 (V.1989)

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

Moored buoys (North-west Atlantic):

<u>WMO buoy Identifier</u>	<u>Argos Identifier</u>	<u>Position 1 November 1989</u>		<u>Observed or technical parameters</u>								
				<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	
44137	03449	41°12'N	061°08'W	X	X	X	X	X	X	X	X	X
44138	03434	44°13'N	053°36'W	X	X	X	X	X	X	X	X	X
44139	03448	44°19'N	057°22'W	X	X	X	X	X	X	X	X	X

Moored buoys (Great Lakes):

<u>WMO buoy Identifier</u>	<u>Position 1 November 1989</u>		<u>Observed or technical parameters</u>									
			<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>		
45132	42°28'N	081°13'W	X	X	X	X	X	X	X	X	X	X
45135	43°50'N	078°20'W	X	X	X	X	X	X	X	X	X	X
45136	48°32'N	086°57'W	X	X	X	X	X	X	X	X	X	X
45137	45°33'N	081°01'W	X	X	X	X	X	X	X	X	X	X

Drifting buoys (Arctic Ice Pack):

<u>WMO buoy Identifier</u>	<u>Argos Identifier</u>	<u>Position 20 November 1989</u>		<u>Observed or technical parameters</u>								
				<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	
47504	07406	83°49'N	053°16'W	.	.	X	.	.	.	.	.	.
48512	07013	80°14'N	163°34'W	.	X	X	.	.	.	.	.	.
48536	07405	85°08'N	007°47'W	.	.	X	.	.	.	.	.	.
48544	07412	83°29'N	100°18'W	.	.	X	.	.	.	.	.	.

Drifting buoys (North-east Pacific):

<u>WMO buoy Identifier</u>	<u>Argos Identifier</u>	<u>Position 20 November 1989</u>		<u>Observed or technical parameters</u>								
				<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	
46693	07140	39°50'N	156°06'W	.	X	X	.	X	.	.	.	.
46694	07141	39°11'N	130°57'W	.	X	X	.	X	.	.	.	.
46695	07142	33°34'N	137°42'W	.	X	X	.	X	.	.	.	.
46697	07144	29°02'N	138°56'W	*	X	X	.	X	.	.	.	*
46699	07146	47°35'N	146°57'W	.	X	X	.	X	.	.	.	.
46700	07147	48°05'N	128°58'W	.	X	X	.	X	.	.	.	.
46701	07148	54°15'N	140°59'W	.	X	X	.	X	.	.	.	.
46706	07130	44°56'N	160°54'W	.	X	X	X	X	.	.	.	.
46707	07131	45°04'N	145°00'W	.	X	X	X	X	.	.	.	.

* Sensor failed.

United States of America

List of U.S.A. Ocean Data Acquisition System (ODAS) included in the December 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>4</u>	<u>December 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	X
42001**	25°54'N	089°42'W	X	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	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	*	*	*	.	*	*	*
44004**	38°30'N	070°36'W	X	X	X	.	X	X	X
44005**	42°42'N	068°36'W	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
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

** 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						
	4 December 1989		1	2	3	4	5	6	7
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
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	*	*
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	X	X	X	.	X	X	X

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

* Sensor/system failure

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.

Annex IV - Codes

Date: December 1989

B. Manual on Codes

2. Regional practices

2.0 Corrigendum to Volume II of the Manual on Codes, 1987 edition, Supplement No. 2 (V.1989)

Replace with or insert the following specification of $R_{24}R_{24}R_{24}R_{24}$ on pages II-2-C-1, II-4-C-1 and II-6-C-3.

$R_{24}R_{24}R_{24}R_{24}$

Total amount of precipitation during the 24-hour period ending at the time of observation, in tenths of a millimetre (coded 9998 for 999.8 mm or more and coded 9999 for trace) (7-group in Section 3 of FM 12-IX).