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No. W/OIS

Geneva, 15 February 1983

Annexes:4

Subject: Monthly letter on the operation of the World Weather Watch (WWW)  
and Marine Meteorological Services (MMS) (February 1983)

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

Dear Sir/Madam,

As indicated in my letter PR-3398 of 26 March 1982, all the information on changes to the operation of the World Weather Watch is now to be assembled and distributed by the Secretariat on a monthly basis to facilitate updating and follow-up action.

It has been found convenient to include in the monthly letter a new annex (Annex V) providing operational information in respect of the Marine Meteorological Services (MMS) and related oceanographic activities in view of their close relationship with the WWW programme.

Attached, you will find annexes providing the latest WWW 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

To: Permanent Representatives (or Directors of Meteorological or Hydro-meteorological Services) of Members of WMO (PR-3528)  
Directors of Meteorological Services of non-Member countries (MC-2246)  
Presidents and Vice-Presidents of Regional Associations (P.RA-1028)  
Presidents and Vice-Presidents of Technical Commissions (P.TC-1101)  
Chairmen of CBS Working Groups  
Secretary-General of ICAO  
Secretary of IOC  
Director-General of ASECNA  
Director of ECMWF

Annex II - Global Data-processing System

- B. Information on operational status of GDPS including changes to WMO Publication No. 9 - Volume B
  - 2. RMC output products
    - 2.1 New products

Annex III - Global Telecommunication System

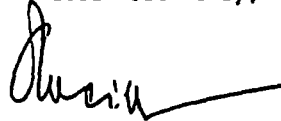
- A. GTS regulatory or guidance material
  - 1. Guidance material on meteorological telecommunications
- B. Updating of Manual on GTS in respect of exchange lists
  - 1. Global exchange lists (Manual on the GTS, Volume I, Part I, Attachment I-4)
    - 1.1 New stations
    - 1.2 Deleted stations
- C. Information on the Operations of GTS
  - 2. Transmission schedules (Publication No. 9, Volume C, Chapter II)
    - 2.3 Changes in schedules/technical specifications
  - 4. Regional Telecommunication networks
  - 6. Coastal radio stations (Publication No. 9, Volume D, Part B)
    - 6.1 New stations

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

- A. Regulatory material
  - 1. Updating of the Manual on MMS
- B. Guidance material
  - 1. Updating of the Guide to MMS
- 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

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 me accordingly.

Yours faithfully,



for the Secretary-General  
(G.K. Weiss)  
Director  
World Weather Watch Department

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

1. Publication No. 9, Volume A - Stations

1.1 New stations

60780	EL BORMA	3141N	0912E	251	250	. . X X X X X .		. . . . /
61085	DIFFA	1325N	1247E	305	303	X X X X X X X X	H03-21	P P P P /
41016	SHAWALAH	2220N	5400E	-	-	X X X X X X X X	H00-24	. . . . /
41030	MAKKAH	2129N	3950E	-	-	X X X X X X X X	H00-24	. . . . /
41136	SHARURA	1730N	4720E	-	-	X X X X X X X X	H00-24	. . . . /
72332	TUPELO/C.D. LEMONS MUN, MS	3416N	8846W	-	110	X . X . X . X .		. . . . /
93090	SOUTH HEAD	3626S	17414E	-	30	. . . . . X		. . . . /
93570	CRAIL BAY	4106S	17358E	-	11	. . . . . X		. . . . /
93617	PUKUKURA	4301S	17040E	-	76	. X . . . . X		. . . . /
93619	OKARITO	4313S	17009E	-	10	. X . . . . X		. . . . /

1.2 Deleted stations

93396 PORTLAND ISLAND /

1.3 Changes to existing stations

61043	TAHOUA					P P P P /		
61996	MARTIN DE VIVIES					RW . RW . /		
43149	VISHAKHAPATNAM					. . . . /		
43150	CWC VISHAKHAPATNAM/WALTAIR					RW P RW P /		
82193	BELEM (AEROPORTO)					. . RW . /		
71045	TESLIN, Y.T.					. . X . X . . .	H05-12 /	
71841	ARMSTRONG, ONT.					X . X . X . X .	H00-24 /	
71807	ARGENTIA, NFLD					X . X . X . X .	H00-24 /	
91925	ATUONA					RW . . . . /		
93805	PUYSEGUR POINT (AUT)					X X X X X X X X /		

Date: 15 February 1983

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

2. RMC output products

2.1 New products

The RMC Bracknell has introduced operationally new forecast models (15 levels) for use on its Cyber 205 computer. Thus new forecast products can be made available every day:

- (a) from a limited area fine-mesh model (grid length approximately 75 km) at about 0330 and 1530 GMT;
- (b) from a global coarse-mesh model (grid length approximately 150 km) at about 0500 and 1700 GMT

The new products can be distributed on the GTS in GRID code form as from 1 February 1983. The RMC Bracknell also makes available, for distribution by facsimile, subjective forecast charts based on numerical guidance.

The table below shows the series of new products that the RMC Bracknell is in a position to distribute as from 1 February 1983. To enable RMC Bracknell to assess the demand for these products, RMCs and NMCs in Region VI are invited to make known their requirements to the following address with a copy to the WMO Secretariat (WMO circular letter EUR-462 of 14 January 1983 refers):

Mr. C. R. Flood  
AD Met O (CF)  
Meteorological Office  
London Road  
Bracknell  
Berkshire RG12 2SZ  
England

List of Forecast Products available from RMC Bracknell

Legend: \* represents a field currently broadcast  
x represents a field which could be made available if required

1. FINE-MESH

Field	Level	Validation Times						
		0	6	12	18	24	30	36
Pressure	Surface	x	x	x	x	x	x	x
Precipitation	Surface	x	x	x	x	x	x	x
Height	850 hPa	x	x	x	x	x	x	x
	500	x	x	x	x	x	x	x
Wind	850 hPa	x	x	x	x	x	x	x
	500	x	x	x	x	x	x	x
Temperature	850 hPa	x	x	x	x	x	x	x
	500	x	x	x	x	x	x	x

Coded bulletins will cover two areas spanning 32.5°N to 75°N, from 35°W to 0° (area X) and from 0° to 35°E (area Y), on a latitude-longitude grid with a resolution of 2.5°.

## 2. COARSE-MESH

Field	Level	Validation Times									
		0	12	18	24	30	36	48	72	96	120
Pressure	Surface	*	*	x	*	x	*	*	*	x	x
Height	850 hPa	x	*	x	*	x	*				
	700	x	*	x	*	x	*				
	500	*	x	x	*	x	*	*	*	x	x
	400			x	x						
	300	*	x	*	*	x	x				
	250	*		*	*						
	100	x	x	x	x	x	x				
Wind	850 hPa	x	x	x	x	x	x				
	700	x	x	x	x	x	x				
	500	x	x	x	x	x	x				
	400			x	x						
	300	x	x	x	x	x	x				
	250			x	x						
	100	x	x	x	x	x	x				
Temperature	850 hPa	x	x	x	x	x	x				
	700	x	x	x	x	x	x				
	500	x	x	x	x	x	x				
	400			x	x						
	300	x	x	x	x	x	x				
	250			x	x						
	100	x	x	x	x	x	x				

Coded bulletins cover two areas spanning 25°N to 75°N, from 45°W to 0° (area N) and 0° to 45°E (area O), on a latitude-longitude grid with a resolution of 2.5°.

## 3. SUBJECTIVE FORECAST CHARTS

## (a) 24-hour forecasts

	Data Time	Validation Time
	GMT	24
Surface pressure	0000	*
	0600	*
	1200	*
	1800	*

## (b) Longer period forecasts

	Data Time	Validation Times			
	GMT	48	72	96	120
Surface pressure and 1000-500 hPa thickness	0000	*	*		
	1200	x	x	x	x

Charts cover Europe, the North Atlantic, Greenland and eastern Canada.

Annex III - Global Telecommunication System

Date: 15 February 1983

A. GTS regulatory or guidance material

1. Guidance material on meteorological telecommunications

The following additional contribution for guidance material on meteorological telecommunications, which will assist Members in developing their meteorological telecommunication centres and circuits, is now available in the Secretariat. Requests for receiving a copy of this contribution may be sent to the Secretariat. However, details will be available directly from the source.

<u>Distribution No.</u>	<u>Topic</u>	<u>Source</u>	<u>Available in (Language)</u>	<u>No. of Pages</u>
15	Communications at the Melbourne WMC/RTH/NMC	Australian Bureau of Meteorology	English	8

B. Updating of Manual on GTS in respect of exchange lists

1. Global exchange lists (Manual on the GTS, Volume I, Part I, Attachment I-4)

1.1 New stations

TEMP: 43150 at 00,12 GMT  
61996 at 12 GMT  
91925 at 00 GMT  
PILOT: 43150 at 06,18 GMT

1.2 Deleted stations

TEMP: 43149 at 00,12 GMT  
PILOT: 43149 at 06,18 GMT  
91925 at 00,12,18 GMT

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

6.1 New stations

DAMMAM RADIO (Saudi Arabia) (HZG) (26°26'N, 50°06'E)

Accepting ships' weather reports and oceanographic reports addressed to METEO Jeddah

Hours of operations: 0000-2400

<u>Class of emission</u>	<u>Receiving frequencies</u>	<u>Transmitting frequencies</u>	
A1A	500 kHz	500 kHz	
A1A	channels 6,15	4253.5 kHz	
A1A	channels 6,15	6364.5 kHz	
A1A	channels 6,15	8484.5 kHz	
A1A	channels 6,15	12658.2 kHz	
A1A	channels 6,15	16860.8 kHz	
A1A	channels 6,15	22338.2 kHz	
F1B	2107.3 kHz	2616.3 kHz	
F1B	4172.5 kHz	4352 kHz	
F1B	6260.5 kHz	6498.5 kHz	
F1B	8346 kHz	8707 kHz	
F1B	12496 kHz	13076 kHz	
F1B	16664.5 kHz	17201.5 kHz	
F1B	22220.2 kHz	22571 kHz	
J3E	1956.6 kHz	1780 kHz	
J3E	2002 kHz	1825 kHz	
A2H	2170.5 kHz	2170.5 kHz	
A2H, A3E, H3E	2182 kHz	2182 kHz	
A3E, J3E	4078.5 kHz	4372.9 kHz	
	4087.8 kHz	4382.2 kHz	
	4125 kHz	4419.4 kHz	
A3E, J3E	6200 kHz	6506.4 kHz	
	6206.2 kHz	6512.6 kHz	
	6215.5 kHz	6521.9 kHz	
A3E, J3E	8216.7 kHz	8740.6 kHz	
	8226 kHz	8749.5 kHz	
	8257 kHz	8780.9 kHz	
A3E, J3E	12333.1 kHz	13103.9 kHz	
	12392 kHz	13162.8 kHz	
	12398.2 kHz	13169 kHz	
A3E, J3E	16463.1 kHz	17236 kHz	
	16484.8 kHz	17257 kHz	
	16522.0 kHz	17294.9 kHz	
A3E, J3E	22062 kHz	22658 kHz	
	22065.1 kHz	22661.1 kHz	
	22093 kHz	22689 kHz	
F3E	156.80 MHz	156.80 MHz	(Dammam Radio)
	157.25 MHz	161.85 MHz	
	157.40 MHz	162.00 MHz	
F3E	157.20 MHz	161.80 MHz	(Jubail Radio)
	157.30 MHz	161.90 MHz	
F3E	157.15 MHz	161.75 MHz	(Khafji Radio)
	157.35 MHz	161.95 MHz	



C. Information on the operations of GTS

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

2.3 Changes in schedules/technical specifications

(i) changes in schedules

II-iii New Delhi radio-facsimile broadcast transmits daily 24-hour forecast upper-wind charts (quasi geostrophic model, map area 5°N - 50°N, 10°E - 120°E, winds at 5° latitude/longitude grid) as follows:

- at 1448 GMT, forecast wind chart for 200 hPa
- at 1600 GMT, forecast wind chart for 850 hPa

VI-iii Bracknell (GFA and GFE) radio-facsimile broadcasts effective 1.2.83 :

(a) Surface analysis charts ASXX EGRR (0000,0600,1200,1800) are transmitted at 0341, 0941, 1541 and 2141 GMT instead of 0345, 0945, 1545 and 2145 GMT.

(b) Surface prognosis charts FSXX EGRR (0000,0600,1200,1800) are transmitted at 0431, 1031, 1631, 2231 GMT instead of 0433, 1036, 1636 and 2233 GMT /

VI-iii Bracknell (GFE) radio-facsimile broadcast effective 1.2.83 :

chart AXXX EGRR (5-day mean sea temperature) is transmitted at 1021 GMT instead of 1025 GMT /

4. Regional Telecommunication networks

Region I

The regional circuit Dakar/Sal is operational as from 4 February 1983.

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

Date: 15 February 1983

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A. Regulatory material

1. Updating of the Manual on MMS

Areas of responsibility for the issue of weather and sea bulletins for high seas

Effective 1 July 1982 responsibility for the following area is transferred from Sri Lanka to Mauritius:

"Equator to 05°S between 60°E and 95°E and from 05°S to 15°S between 70°E and 95°E"

Ref. Paragraph 3.2.3 of the General Summary of EC-XXXIV

B. Guidance material

1. Updating of the Guide to MMS

The second edition of the Guide to Marine Meteorological Services has been distributed to Members. The Guide, which has been completely revised, contains many examples of national marine meteorological products.

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

(i) changes in schedules:

Ai-VI Group D, Quickborn/Pinneberg also broadcasts in clear (German) weather and sea bulletins for the Mediterranean, in Morse at 1448-1510, 2030-2050 GMT and by RTT at 1500-1515, 2030-2045 GMT

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