ORGANISATION MÉTÉOROLOGIQUE MONDIALE WORLD METEOROLOGICAL ORGANIZATION

SECRÉTARIAT
GENÈVE - Suisse

Téléphone : 34 64 00
Télégrammes : METEOMOND GENÈVE

Telex : 23260
Case postale N° 5
CH-1211 Genève 20

W/OIS

Geneva, 15 December 1983

Annexes: 3

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

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. Regional basic synoptic networks

1.1 New stations

2. Networks of CLIMAT and CLIMAT TEMP reporting stations

2.1 New stations
2.3 Changes to existing stations

To: Permanent Representatives (or Directors of Meteorological or Hydrometeorological Services) of Members of WMO (PR-3628)
Directors of Meteorological Services of non-Member countries (MC-2280)
Presidents and Vice-Presidents of Regional Associations (P.RA-1049)
Presidents and Vice-Presidents of Technical Commissions (P.TC-1115)
Chairmen of CBS Working Groups
Secretary-General of ICAO
Secretary of IOC
Director-General of ASECNA
Director of ECMWF

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 Temporary changes

4. ARGOS monthly status report

Annex II - Global Data-processing System

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

4. Output products of centres other than WMCs, RMCs and NMCs

4.1 New products
4.3 Changes to 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)

1.1 New stations
1.3 Changes to bulletins

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

2.3 Changes in 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

Date: 15 December 1983

B. Changes in global or regional components of WWW plan

1. Regional basic synoptic networks

1.1 New stations

Region I

61892 SEFADU (08°39'N, 10°58'W) (surface observations)

2. Networks of CLIMAT and CLIMAT TEMP reporting stations

2.1 New stations

Region I

67774 HARARE (BELVEDERE) (17°50'S, 31°01'E) CLIMAT TEMP only

2.3 Changes to existing stations

Region I

67964 BULAWAYO (GOETZ OBSV.) (20°09'S, 28°37'E) add CLIMAT TEMP

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

1. Publication No. 9, Volume A - Stations

1.1 New stations

61892 SEFADU	0839N	1058W	390	389	. . X X X X X X	H06-21	. . . . /	
87173 YACIRETA	2735S	5641W	72	-	X . . X X X X X		. . . . /	
71060 CAMSELL RIVER, N.W.T.	6537N	11807W	230	-	X . X . X . X .	H00-24	. . . .	(AUT) /
91701 CANTON ISLAND	0246S	1714W	2	-	X . X . X . X .		. . . . /	
93023 PUREURA	3508S	17401E	-	70	X X X X X X X X		. . . .	(AUT) /
06164 HESSELO	5612N	1143E	-	-	X X X X X X X X		. . . .	(AUT) /

1.2 Deleted stations

71061 PORT RADIUM, N.W.T. / 02287 BREDSKAR / 02535 ELSABODY / 02613 BARSEBACK / 06122 SKARUP /

1.3 Changes to existing stations

40437 KING KHALED INT. AIRPORT X X X X X X X X RW . RW . /
40438 RIYADH X X X X X X X X . . . . /
71076 URANIUM CITY, SASK. . . . . X . X . /
71077 BUFFALO NARROWS, SASK. X . X . X . X . H00-24 /
71115 VERNON, B.C. . . . . H00,11,12,14,15,16,17,21,23 /
71920 CREE LAKE, SASK. X . X . X . X . H00-24 P P P P /

Weekly variations of programmes

94203 BROOME AIRPORT omits 00 GMT radiosonde observations on Saturday /
94300 CARNARVON AIRPORT omits 00 GMT radiosonde observations on Wednesday /
94637 KALGOORLIE AIRPORT omits 00 GMT radiosonde observations on Friday /
94638 ESPERANCE omits 10 GMT surface observations and 12 GMT radiowind observations on Sunday /
94646 FORREST AIRPORT omits 10 GMT surface observations and 12 GMT radiowind observations on Thursday /
94802 ALBANY AIRPORT omits 00 GMT radiosonde observations on Tuesday /

1.4 Temporary changes

Reports from surface stations 67205 MOCIMBOA DA PRAIA and 67243 ZUMBO have been temporarily suspended.

Radiosonde/Radiowind stations 82678 FLORIANO, 83288 BOM JESUS DA LAPA and 83498 CARAVELAS are not in operation from November 1983 to March 1984.

4. ARGOS monthly status report

As of 25 November 1983 the ARGOS service was handling reports from 242 drifting buoys, 46 moored buoys, 1 balloon, 11 ships, 99 fixed stations and 18 miscellaneous platforms. On the same date, during a period of 24 hours, 550 DRIBU reports from 44 drifting buoys were transmitted to the RTH Paris for insertion into the GTS.

Date: 15 December 1983

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

4. Output products of centres other than WMCs, RMCs and NMCs

4.1 New products

The European Centre for Medium Range Weather Forecasts (ECMWF) has been distributing, via the Global Telecommunication System (GTS), surface pressure and 500 hPa height forecasts for the northern hemisphere from analysis to forecast day 5 (at daily intervals) and for the southern hemisphere to forecast day 4. With effect from 1 February 1984, forecasts for the southern hemisphere for forecast day 5 will be added to the products disseminated by the ECMWF. Transmission of northern hemisphere forecasts, and also ECMWF 850 hPa and 200 hPa wind forecasts for tropical areas (to 35 degrees north and south) from analysis to forecast day 2 will continue as before. All of these products should normally be inserted into the GTS between 2200 and 2400 GMT.

Details concerning the bulletins are contained in the Catalogue of Meteorological Bulletins (WMO Publication No. 9, Volume C, Chapter I). New bulletins are also listed under item C.1.1.1 of Annex III to this letter. Information about or queries concerning ECMWF products are most welcome and should be addressed to:

The Director
European Centre for Medium Range Weather Forecasts (ECMWF)
Shinfield Park
Reading RG2 9AX
England

Telex: UK 847908 ECMWF
Telephone: 44/734/876000

or as a GTS addressed message to RTH Bracknell, the first line of the message to read "for ECMWF".

4.3 Changes to products

The European Centre for Medium Range Weather Forecasts (ECMWF) plans to make changes to the representation of orography in the operational forecasting model on 31 January 1984. Test forecasts with the changed orography show small improvements in the hemispheric forecasts. These are especially pronounced in the southern hemisphere. A diurnal cycle in the forecasting model is under test for implementation in the operational forecasting model on or shortly after 31 January 1984. Improvements in the quality of the ECMWF forecasts, especially the wind forecasts in tropical areas, are expected to result (see also paragraph 4.1 above).

The ECMWF has recently (November 1983) installed a Cray X-MP supercomputer to replace the Cray 1-A on which forecasts are currently made. Development of a high-resolution spectral model is under way. An increase in resolution from the present T63 model (triangular truncation with maximum wavenumber 63) to T96 or T106 is envisaged later. The equivalent grid point representation associated with this resolution would show approximately an increase from 200 km to 120 km resolution.

Date: 15 December 1983

C. Information on the operation of the GTS

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

1.1 New bulletins

ECMWF (through RTHs Bracknell and Offenbach)

(i) Southern hemisphere forecasts

GHIO50	ECMF	88188	FM 47-V	12	120 HRS PROGNOSIS 500 HPA
GHJO50	ECMF	88189	FM 47-V	12	120 HRS PROGNOSIS 500 HPA
GHKO50	ECMF	88190	FM 47-V	12	120 HRS PROGNOSIS 500 HPA
GHLO50	ECMF	88191	FM 47-V	12	120 HRS PROGNOSIS 500 HPA
GPIO98	ECMF	88192	FM 47-V	12	120 HRS SURFACE PROGNOSIS
GPJO98	ECMF	88193	FM 47-V	12	120 HRS SURFACE PROGNOSIS
GPKO98	ECMF	88194	FM 47-V	12	120 HRS SURFACE PROGNOSIS
GPLO98	ECMF	88195	FM 47-V	12	120 HRS SURFACE PROGNOSIS

(ii) Wind forecasts for the tropical belt

GWEE85	ECMF	89804	FM 47-V	12	24 HRS WIND PROGNOSIS 850 HPA
GWFE85	ECMF	89805	FM 47-V	12	24 HRS WIND PROGNOSIS 850 HPA
GWGE85	ECMF	89806	FM 47-V	12	24 HRS WIND PROGNOSIS 850 HPA
GWHE85	ECMF	89807	FM 47-V	12	24 HRS WIND PROGNOSIS 850 HPA
GWEI85	ECMF	89808	FM 47-V	12	48 HRS WIND PROGNOSIS 850 HPA
GWFI85	ECMF	89809	FM 47-V	12	48 HRS WIND PROGNOSIS 850 HPA
GWGI85	ECMF	89810	FM 47-V	12	48 HRS WIND PROGNOSIS 850 HPA
GWHI85	ECMF	89811	FM 47-V	12	48 HRS WIND PROGNOSIS 850 HPA
GWEE20	ECMF	89824	FM 47-V	12	24 HRS WIND PROGNOSIS 200 HPA
GWFE20	ECMF	89825	FM 47-V	12	24 HRS WIND PROGNOSIS 200 HPA
GWGE20	ECMF	89826	FM 47-V	12	24 HRS WIND PROGNOSIS 200 HPA
GWHE20	ECMF	89827	FM 47-V	12	24 HRS WIND PROGNOSIS 200 HPA
GWEI20	ECMF	89828	FM 47-V	12	48 HRS WIND PROGNOSIS 200 HPA
GWFI20	ECMF	89829	FM 47-V	12	48 HRS WIND PROGNOSIS 200 HPA
GWGI20	ECMF	89830	FM 47-V	12	48 HRS WIND PROGNOSIS 200 HPA
GWHI20	ECMF	89831	FM 47-V	12	48 HRS WIND PROGNOSIS 200 HPA

1.3 Changes to bulletins

RTH Wellington:

In the bulletin SMKB1 NGTA (16901) insert station index number 91701.

NMC Harare:

As from 1 January 1984 0000 GMT, the location indicator of bulletins compiled by Zimbabwe is changed to FVHA.

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

2.3 Changes in technical specifications

- VI-ii POTSDAM RTT broadcast effective 20.12.83 read (Y3K 7) 7980 kHz, (Y3K 3) 3211 kHz.