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Geneva, 15 August 1982

Annexes: 3

Subject: Monthly letter on the operation of the World Weather Watch (August 1982)

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.

Attached, you will find annexes providing the latest WWW operational information. Those items and sub-items for which information is provided are listed below:

Annex 1 - Global Observing System

- A. GOS regulatory or guidance material
  - 1. Changes in the allocation of station index numbers
- B. Changes in global or regional components of WWW plan
  - 1. Regional basic synoptic networks
    - 1.1 New 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

To: Permanent Representatives (or Directors of Meteorological or Hydro-meteorological Services) of Members of WMO (PR-3464)  
Directors of Meteorological Services of non-Member countries (NC-2223)  
President and Vice-President of CBS  
President and Vice-President of CAeM  
Chairmen of CBS Working Groups  
Secretary-General of ICAO  
Director-General of ASECNA  
Director of ECMWF

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 the exchange lists
  - 1. Global exchange lists (Manual on the GTS, Volume 1, Part 1, Attachment 1-4)
    - 1.1 New stations
    - 1.2 Deleted stations
- C. Information on the Operations of GTS
  - 1. Catalogue of Meteorological Bulletins (Publication No. 9, Volume C, Chapter I)
    - 1.3 Changes to bulletins
  - 2. Transmission schedules (Publication No. 9, Volume C, Chapter II)
    - 2.3 Changes in technical specifications
  - 6. Coastal radio stations (Publication No. 9, Volume D, Part B)
    - 6.1 New stations

Annex IV - Codes

- B. Manual on Codes
  - 3. National practices
    - 3.4 Units used for reporting of horizontal speed (wind speed, speed of system etc.) in reports, analyses and forecasts

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

Annex I - Global Observing System

Date: 15 August 1982

A. GOS regulatory or guidance material

1. Changes in the allocation of station index numbers

The acting President of Regional Association II - Asia has formally approved on behalf of the Association the following allocations of ranges of station index numbers (Iiiii) to countries in the Arabian peninsula:

<u>Countries</u> (in numerical order)	<u>Allocated ranges</u>
Saudi Arabia	( 40350 - 40549 (stations north of latitude 23°N) ( 41000 - 41149 (stations south of latitude 23°N)
Kuwait	40550 - 40599
Bahrain	41150 - 41159
Qatar	41160 - 41179
United Arab Emirates	41180 - 41239
Oman	41240 - 41319
Yemen	41320 - 41399
Democratic Yemen	41400 - 41499

The above allocations will be effective as from 1 January 1983. All synoptic stations in the Arabian peninsula, except Saudi Arabian stations north of latitude 23°N, will be renumbered as from that date. The following changes to index numbers of operating stations have been notified to the Secretariat:

<u>Station Name</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Present index number</u>	<u>New index number as from 1 January 1983</u>
JEDDAH (King Abdulaziz Int. Airport)	21°40'N	39°09'E	40476	41024
JEDDAH	21°30'N	39°12'E	40477	41026
TAIF	21°29'N	40°32'E	40480	41036
SULAYIL	20°28'N	45°40'E	40495	41062
BISHA	19°58'N	42°40'E	40498	41084
ABHA	18°08'N	42°23'E	40568	41112
KHAMIS MUSHAIT	18°18'N	42°48'E	40569	41114
NAJRAN	17°36'N	44°25'E	40570	41128
GIZAN	16°52'N	42°35'E	40572	41140
ABDALY	30°05'N	47°42'E	40366	40550
WARBA	30°00'N	48°06'E	40368	40552
UMM AL-AISH	29°48'N	47°46'E	40364	40564
BUBIYAN	29°47'N	48°22'E	40378	40568
AL-SALMI	29°07'N	46°40'E	40377	40570
EXPERIMENTAL FARM	29°17'N	47°56'E	40365	40580
SHUWAIKH	29°20'N	47°57'E	40371	40581
KUWAIT International Airport	29°13'N	47°59'E	40372	40582
AHMADI	29°06'N	48°08'E	40367	40583
FAHAHEEL	29°04'N	48°09'E	40369	40584
AL-SHU'IBA	29°02'N	48°09'E	40379	40585
FAILAKA Island	29°28'N	48°17'E	40370	40588
AL-WAFRA	28°34'N	48°04'E	40380	40592
AL-NWAISEEB	28°30'N	48°28'E	40382	40594
UMM-AL-MARADIM	28°41'N	48°39'E	40381	40596
BAHRAIN MUHARRAQ	26°16'N	50°37'E	40427	41150

DOHA PORT	25°18'N	51°33'E	40426	41166
DOHA International Airport	25°15'N	51°34'E	40428	41170
UMM SAID	24°54'N	51°33'E	40429	41176
RAS AL KHAIMAH				
International Airport	25°37'N	55°56'E	40452	41184
DUBAI	25°15'N	55°20'E	40448	41194
SHARJAH International Airport	25°20'N	55°31'E	40449	41196
ABU DHABI Int. Airport	24°26'N	54°28'E	40445	41216
MEDINA ZAYED	23°38'N	53°38'E	40442	41226
KHAASSAB				
BURAIMI	26°11'N	56°14'E	40458	41240
SOHAR	24°15'N	55°50'E	40460	41244
SAIO	24°21'N	56°43'E	40461	41246
SEEB International Airport	23°08'N	57°38'E	40465	41254
SUR	23°35'N	58°17'E	40462	41256
MASIRAH	22°35'N	59°30'E	40468	41268
THUMRAIT	20°40'N	58°54'E	40564	41288
SALALAH	17°44'N	53°56'E	40474	41314
	17°02'N	54°05'E	40575	41316
SANA'A				
MARIB	15°31'N	44°11'E	40576	41344
HODEIDAH	15°26'N	45°20'E	40577	41350
MOKHA	14°45'N	42°59'E	40578	41360
TAIZ	13°15'N	43°17'E	40579	41382
	13°41'N	44°08'E	40580	41390
THAMUD				
AL-GHEIDA	17°22'N	50°57'E	40582	41414
KAMARAN	16°05'N	52°05'E	40584	41428
SEIYOUN	15°22'N	42°35'E	40588	41430
ATAQ	15°59'N	48°57'E	40583	41436
RIYAN	14°31'N	46°51'E	40585	41444
ADEN KHORMKSAR	14°35'N	49°15'E	40586	41448
SOCOTRA	12°50'N	45°02'E	40597	41467
	12°38'N	53°54'E	40599	41499

## B. Changes in global or regional components of WWV plan

### 1. Regional basic synoptic networks

#### 1.1. New stations

##### Region VI

17070	BOLU	(40°44'N, 31°36'E)	(surface observations)
17084	CORUM	(40°33'N, 34°58'E)	-
17110	GOKCEADA	(40°11'N, 25°54'E)	-
17234	AYDIN	(37°51'N, 27°51'E)	-
17260	GAZIANTEP	(37°05'N, 37°22'E)	-
17290	BODRUM	(37°02'N, 27°25'E)	-
17370	ISKENDERUN	(36°35'N, 36°10'E)	-

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

1. Publication No. 9, Volume A - Stations

1.1. New stations

01367 FAGERNES 6059N 0914E - - . X X . X . X . . . . . /  
02422 ASPHYTTAN 5937N 1411E 130 - X X X X X X X . . . . . /  
12155 GDANSK-SWIBNO 5420N 1856E 9 7 X X X X X X X X . . . . . /

1.2. Deleted stations

93092 CUVIER ISLAND / 01085 BUGOYFJORD / 02654 STENSHUVUD / 12240 BYDGO SZCZ

1.3. Changes to existing stations

67335 XAI-XAI X X X X X X X X /  
67012 FASCENE (NOSSI-BE) X X X X X X . . . P P . /  
67017 VOHEMAR . . . . / 67045 MAEVATANANA . . . . /  
67072 SAINTE-MARIE (AERODROME) . . . . /  
67073 MAINTIRANO . . . . /  
67083 ANTANANARIVO/IVATO RW P RW . /  
67107 ANTSIRABE . . . . / 67113 MAHANDRO P P P . /  
67117 MORONDAVA . . . . / 67131 MOROMBE . . . . /  
67137 FIANARANTSOA . . . . / 67143 MANANJARY . . . . /  
67161 TULEAR . . . . / 67194 FAUX-CAP . . . . /  
91762 APIA X X X X X X X X /  
12150 GDANSK-REBIECHOWO . . . . . /  
12566 KRAKOW . . . . . /

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UPMG1	FMMI	31255	12	67009 67012 67025 67027 67083 67095 67113 67197 /
UPMG2	FMMI	31256	06	67023 67037 /
UPMG2	FMMI	31256	12	67023 /
SMMG20	FMMI	21205	06,12	67017 67023 67037 67107 67131 /
SIMC20	FMMI	21215	03,09,15	67009 67012 67019 67025 67027 67045 67073 67083 67095 67113 67117 67137 67143 67161 67197 /
SIMC21	FMMI	21216	03,09,15	67017 67023 67037 67107 67131 /
UGMG20	FMMI	31265	00	67009 67025 67027 67083 67095 67113 67197 /
UGMG20	FMMI	31265	06	67009 67012 67019 67025 67027 67083 67095 67113 67197 /
UGMG20	FMMI	31265	12	67009 67012 67025 67027 67083 67095 67113 67197 /
UGMG21	FMMI	31266	06	67023 67037 /
UGMG21	FMMI	31266	12	67023 /

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

2.3 Changes in technical specifications

III-i BRASILIA (SBBR)-MARACAY (MVBS) point-to-point circuit effective 7.7.82  
satellite link, 75 bauds, duplex

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

6.1 New stations

CALLAO (PERU) (OBC3) 12°03'S 77°09'W

Hours of operations: 0000-2400

<u>Class of emission</u>	<u>Receiving frequencies</u>	<u>Transmitting frequencies</u>
A1A	500 kHz	500 kHz
A1A	8363.2-8366.4 kHz	8546 kHz
A1A	12544.8-12549.6kHz	13015.5 kHz
H3E J3E	2182 kHz	2739 kHz
J3E	4125 kHz	4125 kHz
J3E	8257 kHz	8728.2 kHz

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A. GTS regulatory or guidance material

1. Guidance material on meteorological telecommunications

The following contributions for guidance material on meteorological telecommunications, which would assist Members in developing their meteorological telecommunication centres and circuits, are now available in the Secretariat. Contributions of a length up to 10 pages could be ordered from the WMO Secretariat. Contributions of a length exceeding 10 pages should be ordered directly from the source.

<u>Contribution No.</u>	<u>Topic</u>	<u>Source</u>	<u>Available in (Language)</u>	<u>No. of pages</u>
1	Hydrological data collection from Swedish mountain areas	Swedish Meteorological and Hydrological Institute	English	5
2.	The use of ARGOS system for transmission of ships' weather reports	Swedish Meteorological and Hydrological Institute	English	5
3.	Non-coded digital facsimile	Bundesamt fur Zivilluftfahrt Austria	English	1
4.	V. 29 Applications	Bundesamt fur Zivilluftfahrt Austria	English	2
5.	Telecommunication aspects of meteorological satellites; Description of the missions: - Broadcast of images - Broadcast of pre-processed information - Collection of data from remote stations	ESA, ESOC Darmstadt, Federal Rep of Germany	English	15
6.	Digital facsimile	Meteorological Office, U.K.	English	4
7.	Autoset Raster Display	Meteorological Office, U.K.	English	3

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

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

1.1 New stations

SYNOP: 67113 at 18 GMT

TEMP: 67083 at 12 GMT

PILOT: 43311 at 06 GMT  
67113 at 00,12 GMT

1.2 Deleted stations

SYNOP: 67012 at 18GMT  
67072 at 06,12GMT  
67152 at 06,12 GMT  
67157 at 00,06,12,18 GMT  
67194 at 06,12 GMT

PILOT: 67012 at 00 GMT  
67017 at 06 GMT  
67045 at 06 GMT  
67072 at 06 GMT  
67073 at 06, 12 GMT  
67107 at 06 GMT  
67117 at 00, 06, 12 GMT  
67131 at 06 GMT  
67137 at 00,06,12 GMT  
67143 at 00,06,12 GMT  
67161 at 00,06,12 GMT  
67194 at 06 GMT

C. Information on the operations of GTS

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

1.3. Changes to bulletins

Effective 15 July 1982 the content of the following bulletins was changed as follows:

SMMG1	FMMI	11205	00	67009	67012	67025	67027	67073	67083	67095	67113	67117	67137	67143	67161	67197 /		
SMMG1	FMMI	11205	06,12	67009	67012	67019	67025	67027	67045	67073	67083	67095	67113	67117	67137	67143	67161	67197 /
SMMG1	FMMI	11205	18	67009	67025	67027	67083	67095	67113	67117	67137	67143	67161	67197 /				
USMG1	FMMI	31205	12	67083 /														
UKMG1	FMMI	31215	12	67083 /														
ULMG1	FMMI	31225	12	67083 /														
UEMG1	FMMI	31235	12	67083 /														
UPMG1	FMMI	31255	00	67009	67025	67027	67083	67095	67113	67197 /								
UPMG1	FMMI	31255	06	67009	67012	67019	67025	67027	67083	67095	67113	67197 /						



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B. Manual on Codes

3. National practices

3.4 Units used for reporting of horizontal speed (wind speed, speed of system, etc.) in reports, analyses and forecasts

The information given in the April 1982 monthly letter on the operation of the World Weather Watch is to be updated as follows:

Angola	knots used in all codes
Benin	knots used in all codes
Eurma	knots used in FM 15-V METAR, FM 16-V SPECI, FM 51-V TAF m/s used in other code forms
Central African Republic	knots used in all codes
Dominica	knots used in FM 15-V METAR, FM 16-V SPECI, FM 51-V TAF m/s used in other code forms
Ghana	knots used in all codes
Iraq	knots used in FM 15-V METAR, FM 16-V SPECI, FM 51-V TAF m/s used in other code forms
Liberia	knots used in all codes
Malawi	knots used in FM 15-V METAR, FM 16-V SPECI, FM 51-V TAF m/s used in other code forms
Mexico	knots used in FM 15-V METAR, FM 16-V SPECI, FM 51-V TAF m/s used in other code forms
Nicaragua	knots used in FM 15-V METAR, FM 16-V SPECI, FM 51-V TAF m/s used in other code forms

Note: Members who have not yet provided the Secretariat with recent information, are kindly requested to do so as soon as possible.

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