



Téléphone: National (022) 730 81 11
 International + 41 22 730 81 11
 Télégrammes: METEOMOND GENÈVE
 Téléx: 41 41 99 OMM CH
 Facsimilé: 41 22 734 23 26

SECRÉTARIAT
 GENÈVE - Suisse

41, Giuseppe-Motta
 Case postale N° 2300
 CH - 1211 Genève 2

W/OIS

Annexes: 3

GENEVA, 30 April 1991

Subject : Monthly letter on the operation of the World Weather Watch (WWW) and Marine Meteorological Services (MMS) April 1991

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
- 1.2 Deleted stations
- 1.3 Changes to existing stations
- 1.5 Temporary changes

2. WMO Catalogue of Radiosondes in use by Members

To: Permanent Representatives (or Directors of Meteorological or Hydro-meteorological Services) of Members of WMO (PR-4619)
 Directors of Meteorological Services of non-Member countries (MC-2446)
 Presidents and Vice-Presidents of Regional Associations (P.RA-1269)
 Presidents and Vice-Presidents of Technical Commissions (P.TC-1387)
 Chairmen of CBS Working Groups
 Secretary-General of ICAO
 Director-General of IATA
 Secretary of IOC
 Director-General of ASECNA
 Director of ECMWF

4. Automatic marine stations

5. ARGOS

5.1 ARGOS monthly status report

6. Feed-back from Members to the Secretariat on any changes in the observing network

D. Information on operational status of space sub-system

Annex IV - Codes

B. Manual on codes

3. National practices

3.3 Changes to codes

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)

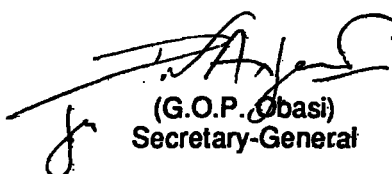
1.3 Changes in schedules/technical specifications

2. Marine meteorological services available for main ports (Publication No.9, Volume D, Part C₁)

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: April 1991

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

1. Publication No. 9. Volume A - Stations

1.1 New Stations

06142 ALBUEN 54°50'N 10°58'E - 6 X X X X X X X X /

1.2 Deleted stations

06139 KELDSNOR

1.3 Changes to existing stations

02432 OREBRO FLYGPLATS . . X X X X /

1.5 Temporary changes

Notification from Argentina that 1200 UTC radiosonde/radiowind observations at station 87155 RESISTENCIA AERO have been resumed as from 25 March 1991.

2. WMO Catalogue of Radiosondes in use by Members

Notification from Australia that :

- (a) The following radiosonde stations changed to using PC-CORA radiosonde ground equipment. Data are computed at 3 hPa. Solar radiation corrections are applied. VAISALA RS-80 radiosondes will continue to be used:

94527 MOREE on 15 April 1991 at 2300 UTC
94646 FORREST AIRPORT on 27 March 1991 at 2300 UTC
94659 WOOMERA METEOROLOGICAL OFFICE on 19 March 1991 at 2300 UTC
94672 ADELAIDE AIRPORT on 17 April 1991 at 2300 UTC
94975 HOBART AIRPORT on 2 March 1991 at 2300 UTC

- (b) The following radiosonde stations changed to using PC-CORA radiosonde ground equipment. VAISALA RS-80 radiosondes will continue to be used:

94332 MT ISA AIRPORT ON 28 March 1991 at 2300 UTC
94578 BRISBANE AIRPORT on 29 March 1991 at 2300 UTC
94610 PERTH AIRPORT on 22 March 1991 at 2300 UTC
94637 KALGOORLIE AIRPORT on 10 April 1991 at 1100 UTC
94638 ESPERANCE on 19 March 1991 at 2300 UTC
94711 COBAR on 2 April 1991 at 2300 UTC
94776 WILLIAMTOWN AERODROME on 22 March 1991 at 2300 UTC
94802 ALBANY AIRPORT on 25 March 1991 at 2300 UTC

Notification from New Zealand that as from 8 April 1991 at 1200 UTC station 93844 INVERCARGILL AERODROME changed from manual processing of radiosonde observations to the VAISALA PC-CORA system. VAISALA RS-80-15 radiosondes will continue to be used.

Moored Buoys (Great Lakes):

WMO buoy <u>Identifier</u>	Position <u>19 March 1991</u>		Observed or technical parameters							
			<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°06'N	083°00'W	X	X	X	X	X	X	.	X
45135	44°42'N	076°48'W	X	X	X	X	X	X	.	X
45137	45°20'N	080°02'W	X	X	X	X	.	.	.	X
45139	43°12'N	079°30'W	X	X	X	X	X	X	X	X

Drifting Buoys (North-east Pacific Ocean):

WMO buoy <u>Identifier</u>	Argos <u>Identifier</u>	Position <u>19 March 1991</u>		Observed or technical parameters							
				<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>
46632	12511	44°05'N	141°50'W	.	X	X	.	X	.	.	.
46681	07135	49°49'N	157°29'W	.	X	X	.	X	.	.	.
46684	07137	43°24'N	163°49'W	.	X	X	.	X	.	.	.
46687	07138	37°26'N	134°33'W	.	X	X	.	X	.	.	.
46693	07140	37°23'N	143°00'W	.	X	X	.	X	.	.	.
46694	07141	25°37'N	149°38'W	.	X	X	.	X	.	.	.
46695	07142	26°23'N	150°04'W	.	X	X	.	X	.	.	.
46703	06269	51°33'N	136°53'W	.	X	X	.	X	.	.	.
46704	07128	46°30'N	144°47'W	.	X	X	.	X	.	.	.
46705	07129	50°03'N	142°55'W	.	X	X	.	X	.	.	.
46706	07130	41°53'N	131°27'W	.	X	X	.	X	.	.	.
46707	07131	26°31'N	142°38'W	.	X	X	.	X	.	.	.

Drifting Buoys (Arctic Icepack):

WMO buoy <u>Identifier</u>	Argos <u>Identifier</u>	Position <u>25 February 1991</u>		Observed or technical parameters							
				<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>
48523	01107	74°39'N	135°58'W	.	X	X	X	.	.	.	.

United States of America

List of U.S.A. Ocean Data Acquisition System (ODAS) included in the April 1991 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:

WMO buoy Identifier	Position 11-18 April 1991		Observed or technical parameters						
			1	2	3	4	5	6	7
32302	18°00'S	85°06'W	X	X	X	X	X	X	X
41001**	34°54'N	73°00'W	X	X	X	X	X	X	X
41002**	32°18'N	75°12'W	X	X	X	X	X	X	X
41006**	29°18'N	77°24'W	*	*	*	*	*	*	*
41008	30°42'N	81°06'W	X	X	X	X	X	X	X
41009	28°30'N	80°12'W	X	X	X	X	X	X	X
41010	28°54'N	78°30'W	X	X	X	X	X	X	X
42001**	25°54'N	89°42'W	X	X	X	X	X	X	X
42002**	25°54'N	93°36'W	X	X	X	X	X	X	X
42003**	25°54'N	85°54'W	X	X	X	X	X	X	X
42007	30°06'N	88°48'W	X	X	X	X	.	.	.
42019	27°54'N	95°00'W	X	X	X	X	X	X	X
42020	27°00'N	96°30'W	X	X	X	X	X	X	X
44004**	38°30'N	70°36'W	X	X	X	X	X	X	X
44005**	42°42'N	68°36'W	X	X	X	X	X	X	X
44007**	43°30'N	70°06'W	X	X	X	X	X	X	X
44008**	40°30'N	69°24'W	X	X	X	X	X	X	X
44009**	38°24'N	74°42'W	*	X	X	X	X	X	X
44011**	41°06'N	66°36'W	X	X	X	X	X	X	X
44012**	38°48'N	74°36'W	X	X	*	X	X	X	X
44013**	42°24'N	70°48'W	X	X	X	X	X	X	X
44014	36°36'N	74°48'W	X	X	X	X	X	X	X
45001**	48°00'N	87°42'W	X	X	X	X	X	X	X
45002**	45°18'N	86°24'W	*	X	X	X	X	X	X
45003**	45°18'N	82°42'W	X	X	X	X	X	X	X
45004**	47°30'N	86°30'W	*	*	*	*	X	X	X
45005**	41°42'N	82°24'W	X	X	X	X	X	X	X
45006**	47°18'N	89°54'W	X	X	X	X	X	X	X
45007**	42°48'N	87°06'W	X	X	X	X	.	.	.
45008**	44°18'N	82°24'W	X	X	X	X	X	X	X
46001**	56°18'N	148°18'W	*	*	*	*	*	*	*
46002**	42°30'N	130°24'W	X	X	X	X	X	X	X
46003**	51°54'N	155°54'W	X	X	X	X	X	X	X
46005**	46°06'N	131°00'W	X	X	X	X	X	X	X
46006**	40°48'N	137°42'W	*	*	*	*	*	*	*
46010**	46°12'N	124°12'W	X	X	X	X	X	X	X
46011	34°54'N	120°54'W	X	X	X	X	X	X	X
46012	37°24'N	122°42'W	X	X	X	X	X	X	X
46013	38°12'N	123°18'W	X	X	X	X	X	X	X
46014	39°12'N	124°00'W	X	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						
	11-18 April 1991		1	2	3	4	5	6	7
46022	40°42'N	124°30'W	X	X	X	X	X	X	X
46023	34°18'N	120°42'W	X	X	X	X	X	X	X
46025	33°42'N	119°06'W	X	X	X	X	X	X	X
46026**	37°42'N	122°42'W	X	X	X	X	X	X	X
46027**	41°48'N	124°24'W	X	X	X	X	X	X	X
46028	35°48'N	121°54'W	X	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	X
46040	44°48'N	124°18'W	X	X	X	X	X	X	X
46041	47°24'N	124°30'W	X	X	X	X	X	X	X
46042	36°48'N	122°24'W	X	X	X	X	X	X	X
46045	33°48'N	118°24'W	X	X	X	X	X	X	X
51001**	23°24'N	162°18'W	X	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	X
51004**	17°30'N	152°30'W	X	X	X	X	X	X	X

Drifting Buoys:

WMO buoy Identifier	Argos Identifier	Position		Observed or technical parameters							
		17/18 April 1991		1	2	3	4	5	6	7	8
14803	08844	29°S	033°E	.	X	X	.	X	.	.	.
14804	08845	25°S	052°E	.	X	X	.	X	.	.	.
16807	05133	51°S	010°W	.	X	X	.	X	.	.	.
17803	05571	40°S	091°E	X	*	X	.	.	.	.	X
17804	12300	38°S	087°E	.	*	X	.	X	.	.	.
17805	12304	32°S	077°E	.	*	X	.	X	.	.	.
17806	12306	39°S	003°W	.	X	X	.	X	.	.	.
17809	05125	44°S	009°W	.	X	X	.	X	.	.	.
17810	05126	40°S	002°E	.	X	X	.	X	.	.	.
17825	05129	45°S	001°E	.	X	X	.	X	.	.	.
33301	12310	56°S	028°W	.	X	X	.	.	.	.	.
33509	12307	44°S	044°W	.	X	X	.	X	.	.	.
33510	12308	47°S	006°E	.	X	X	.	X	.	.	.
33826	12296	60°S	034°E	.	X	X	.	X	.	.	.
33827	12297	49°S	061°E	.	X	X	.	X	.	.	.
33828	12298	44°S	050°E	.	X	X	.	X	.	.	.
33830	12305	43°S	034°E	.	X	X	.	.	.	.	.
54829	06762	40°S	160°W	.	*	X	.	X	.	.	.
54830	06763	44°S	114°W	.	*	X	.	X	.	.	.
54831	06764	46°S	111°W	.	X	X	.	X	.	.	.

* Sensor/system failure.

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

Drifting Buoys (continued):

WMO buoy Identifier	Argos Identifier	Position 17/18 April 1991		Observed or technical parameters							
				1	2	3	4	5	6	7	8
54832	06585	42°S	164°W	X	X	X	.	X	.	.	X
54833	06586	44°S	145°W	X	X	X	.	.	.	.	X
54834	06583	37°S	154°W	X	X	X	.	X	.	.	X
54835	06731	39°S	157°W	.	X	X	.	X	.	.	.
54836	05128	34°S	170°W	.	X	X	.	X	.	.	.
54837	05135	31°S	158°W	.	X	X	.	X	.	.	.
54838	08823	45°S	169°W	.	X	X	.	X	.	.	.
54839	12312	43°S	160°W	.	X	X	.	X	.	.	.
54840	05120	51°S	177°W	.	X	X	.	X	.	.	.
54841	05121	54°S	167°W	.	X	X	.	X	.	.	.
54842	05122	47°S	170°W	.	X	X	.	X	.	.	.
54843	05134	49°S	157°W	.	X	X	.	X	.	.	.
55802	08843	26°S	052°E	.	X	X	.	X	.	.	.
55803	05136	61°S	164°W	.	X	X	.	X	.	.	.
56827	09221	61°S	159°E	.	*	X	.	*	.	.	.
56832	09219	13°S	107°E	.	X	X	.	X	.	.	.

- Sensor/system failure

5. ARGOS service

5.1 ARGOS monthly status report

As at 4 April 1991 the Argos service was handling reports from 615 drifting buoys, 130 moored buoys, 6 balloons, 35 ships, 148 animal trackings, 413 fixed stations, 195 boats and 40 miscellaneous platforms. DRIBU reports from 85 drifting buoys and BATHY reports from 27 selected ships were transmitted to the RTH Paris and DRIBU reports from 227 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 follows:

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
Australia	55511	00418
	56001	04873
	56501	02934
	56502	02936
	56503	08035
	56504	08036
	56505	08037
	56546	02951
	56547	04870
	56548	04871
	56549	04872
	62559+	12059

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

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>	
Australia (continued)	62562+	12028	
	65569+	12010	
	62575+	12038	
	62580+	12006	
	62581+	12011	
	62582+	12015	
	62587+	12036	
	62588+	12041	
	62590+	12054	
	9VBZ*	09195	
	9VUU*	09190	
	9VWM*	09187	
	GYRW*	09197	
	GYSA*	09189	
	S6FK*	09193	
	VJBQ*	09196	
	VJDP*	09198	
	Canada	21551	01314
		21552	01315
		21553	01316
44631		02376	
44632		05437	
44634		02377	
44635		08666	
44754		01055	
44755		03319	
44756		03320	
44757		04762	
44758		08648	
46644		01198	
46645		01199	
46646		01310	
46649		01313	
46650		01424	
46655		01429	
46656		08090	
46657		08093	
47531		05218	
47542		05217	
47559		04004	

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

• PTT's transmitting at irregular intervals

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
France	13531	05832
	44610	10102
	62503	05790
	62513	05829
	62516	05833
	62518	10104
	64516	05796
	64606+	03711
	3EBD*	04725
	A3BZ*	04709
	C6HL*	04705
	DIDA*	08742
	ELIS*	04716
	FH62*	04727
	FITA*	04723
	FNCZ*	08744
	FNGS*	04707
	FNJT*	04722
	FNOM*	04701
	FNPA*	04706
	FNQB*	04726
	FNZP*	04719
	FNZQ*	04703
	FPYO*	04729
	GTIA*	04712
	HPEW*	04720
	ZDBE*	04718
Germany	71524	03315
	71543	08055
	71545	09353
	71546	09354
	71548	09360
Japan	52060	08718
	62551	12001
	62552	12020
	62553	12025
	62554	12035
	62555	12039
	62556	12042
	62557	12048

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

* PTT's transmitting at irregular intervals.

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
Japan (continued)	62558	12056
	62560	12002
	62561	12018
	62563	12031
	62564	12045
	62565	12047
	62566	12050
	62567	12004
	62568	12005
	62570	12022
	62571	12024
	62572	12030
	62573	12033
	62574	12037
	62576	12040
	62577	12046
	62578	12049
	62579	12053
	62583	12007
	62584	12023
62585	12027	
62586	12029	
New Zealand	55579	06435
	55582	07175
	55583	07179
	55584	07178
	55585	07177
Norway	17001	01591
	17003	01758
	62694	03670
	63002	09407
	65591	06666
	74001	09405
South Africa**	17524	09099
	17527	09087
	17528	08260
	17529	09088
	17533	09091
	33021	09085

** 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.

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
United Kingdom	62608	03919
	62803	06299
	62804	06305
	62805	06285
United States of America	12847+	11191
	14803	08844
	14804	08845
	16807	05133
	16808	05127
	17803+	05571
	17804	12300
	17805	12304
	17806	12306
	17809	05125
	17810	05126
	17825	05129
	25537	12805
	31502	09844
	32317+	06519
	32513	11910
	32514	10836
	32515	11898
	32517	15093
	32518	15091
	32522	10808
	32523	10809
	32525	11192
	32528	10820
	32529	11194
	32531	10812
	32532	11897
	32535+	11907
	32537	10839
	32538	11172
	32540	11904
	32541+	11656
32543	11015	
32544	11908	
32545	10849	
32546	11160	
32549	11163	
32550	11894	
32552	11195	
32553	10841	

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

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
United States of America (continued)	32554	10840
	32558	09276
	32560	11572
	32814+	07491
	33301	12310
	33509	12307
	33510	12308
	33826	12296
	33827	12297
	33828	12298
	33830	12305
	41012+	01602
	41014+	01606
	41511	09846
	41513	09853
	42525+	07494
	43502	11168
	43504	11198
	43508	11171
	43510	11628
	43801	06898
	44016+	01605
	44017+	01604
	44020+	01609
	44021+	01608
	44504+	04561
	44505+	09878
	44510+	04530
	44518	09841
	44520	09856
	44521	12753
	44523	12772
	44528	12768
	44530	12770
	44534	12771
	44538	12762
	44541	12763
	44542	12764
	44543	12765
	44544	12766
	44545	12767
44551	12453	
46510	12672	
46511	12690	
46512	12691	
46514	12693	
47601	12785	
47603	12809	

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

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
United States of America (continued)	48518	12800
	48519	12783
	48520	12801
	48554	12802
	48555	12806
	48556	12807
	48557	12808
	51006+	06521
	51007+	06475
	51008+	06518
	51014+	06571
	51510	11671
	51511	06883
	51512	15089
	51513	11663
	51514	11675
	51515	11678
	51516	09274
	51517	11676
	51518	15077
	51519	11646
	51520	11653
	51801	11197
	51802	11650
	51803	11912
	51804	15092
	51806	09279
	51807	15094
	51808	15085
	51809+	11199
	51810	15087
	51811	11644
	51812	15079
	51813	11569
	51814	11682
	51816	11620
	51817	11655
	51818	11630
	51819	11645
	51820	11687
	51821	11690
	51822	11870
	51823	15095
	51824	11685
	51825	11686
	51826	11871
	51827	11688
51828	11695	

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

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
United States of America (continued)	51829	11202
	51830	15088
	51831	11689
	51832	11691
	51833	11872
	51834	11170
	51835	09271
	51836	09270
	51837	15096
	51839	11700
	51840	15090
	51841	15098
	51842	11702
	51843	11703
	51844	09275
	51846	11692
	51847	11706
	51849	15097
	51850	11662
	51853	11694
	51855	11705
	51856	15082
	51857	11667
	51858	11668
	51861	15099
	51862	11670
	51863	11564
	51865	11623
	51866	11664
	51867	11666
	51868	11669
	51869	11674
	51870	11679
	51871	11693
	51872	11696
51873	11699	
51874	11701	
51875	11704	
51876	11683	
51877	15073	
51878	15072	
51879	15074	
51880	15078	
51881	15080	
51882	15081	
51883	15083	
51884	15084	
51885	15086	

<u>Operating country</u>	<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
United States of America (continued)	52001+	06799
	52003+	12522
	52004+	12523
	52006+	12525
	52051	09272
	52052	09278
	52301+	06381
	52302+	06460
	52528	12499
	52813	10835
	52827	10823
	52847	11191
	52853	11624
	52854	11626
	52866	11887
	52867	11893
	52868	11876
	52872	11890
	52875	11896
	52877	11883
	52878	11885
	53502	12498
	53809	11886
	54829	06762
	54830	06763
	54831	06764
	54832+	06585
	54833+	06586
	54834+	06583
	54835	06731
	54836	05128
	54837	05135
	54838	08823
	54839	12312
	55802	08843
	55803	05136
	56827	09221
	56831+	09217
	56832	09219
	62672	09859
64581	12804	
64589	12708	
65503	12803	

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

ATLAS buoys (transmitting again on GTS)

<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
32316	06370
32317	06519
32318	06371
51006	06521
51007	06475
51008	06518
51009	06461
51010	06375
51014	06517
52001	06799
52003	12522
52004	12523
52006	06521
52301	06514

ATLAS buoys (continued)

Whereas the data of the following ones (old-style electronics) have been distributed (some on an irregular basis):

<u>WMO Identifier/call sign</u>	<u>Argos Identifier</u>
17803	05571
41530	12688
42525	07494
54832	06585
54833	06586
54834	06583

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 WWW 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.

D. Information on operational status of space-based sub-system

GOES Status Report - (from 15 April 1991 to 21 April 1991

GOES-7:

Prime spacecraft (GOES-7)

(A) VAS operations, mode AAA, with MSI at 01 and 31 minutes past each hour with the following comment(s) exception(s):

1. MSI at 1820 UTC each Wednesday cancelled for visible channel calibration.
2. MSI at 1222 UTC each Sunday and Thursday cancelled for torque management.
3. Sun avoidance operations 10 April through to 17 April 1991.

(B) WEFAX broadcasts: simultaneous, see operational message broadcast at 1055 UTC for schedule.

Status of NOAA polar orbiting satellites

NOAA-D: Is scheduled for launch on 14 May 1991, at approximately 1552 UTC, and will cross the equator at 0730 (local time) descending. NOAA-D to become NOAA-12 will replace NOAA-10 as the operational morning descending spacecraft.

NOAA-10: (Operational), morning descending, AVHRR (HRPT, APT), DCS, MSU, SAR, SEM. ERBE scanner failed 22 May 1989. AVHRR scan motor has high jitter. DTR-1B designated safestate DTR, not used for daily operations.

NOAA-11: (Operational), afternoon ascending, AVHRR (HRPT, APT), SSU, DCS, SBUV, SAR. ROLL(Y) GYRO failed 19 September 1989. NOAA-11 is still experiencing difficulty in the Inertial Measurement Unit (IMU). When an IMU switch periodically occurs, new GYRO software is activated. IMU switching can cause yaw errors up to 1 degree that can remain for 4 revolutions.

	HRPT	APT	BCN
NOAA-9	1707(HSB)	137.62(VTX2)	137.77(BTX2)
NOAA-10	1698(LSB)	137.50(VTX1)	136.77(BTX1)
NOAA-11	1707(HSB)	137.62(VTX2)	137.77(BTX2)

Status of FY-1B

FY-1B: On 14 February 1991, a computer memory failure resulted in the un-commanded firing of the control jets. All nitrogen has apparently been depleted. FY-1B is rotating about the pitch axis at about 9 revolutions per minute. Some reduction in the initial rotation has been achieved from the magnetic and GYRO control systems. Solar power is still available and all instruments appear to be in good condition.

Status of U.S.S.R. satellites

METEOR 2-20 continues to transmit daytime visible mode imagery during south to north passes each morning. The synchronizing bars are missing from METEOR 2-20 imagery at this time. METEOR 3-3 now transmits visible mode imagery during daytime passes. In addition, IR imagery is available during night time passes. A single, short, 240 line per minute transmission was heard on 137.400 MHz recently, possible coming from OKEAN-2.

Status of EUMETSAT satellites

METEOSAT-5 was successfully launched at 2336 UTC on 02 March 1991. All spacecraft systems currently tested appear normal. The spacecraft is presently around 3 degrees West. Radiometer commissioning began on 3 April. The first visible image was taken at 1155 UTC on 3 April. Quality of images looks very good. The first IR and WV images were taken at 0830 UTC on 4 April. Although uncalibrated and with still varying detection temperature, quality of both images also appears very good. End of commissioning expected within two weeks.

METEOSAT-4 is the operational satellite at 0 degrees East/West and all missions are nominal.

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 (Iliii) 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 (Ilii) 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 IV - Codes

Date: April 1991

B. Manual on codes

3. National practices

3.3 Changes to codes

Volume II - National VI - Section H - Specifications of zone numbers of sub-areas/route segments, notified by Members, for which GAFOR will be notified

Code RF 6/02 GAFOR - General aviation forecast

GERMANY

The following pages to the 1987 edition of WMO Publication No. 306 Volume II - National VI - Section H - Specifications of zone numbers of sub-areas/route segments, notified by Members, for which GAFOR will be notified are to be changed as follows:

Page II-6-H-5: for all sub-areas of Germany mandatory reference heights above mean sea level are indicated.

REGION VI

GERMANY

Specification of sub-areas

<i>Area No.</i>	<i>Geographical designation</i>	<i>Reference height above mean sea level</i>	<i>Area No.</i>	<i>Geographical designation</i>	<i>Reference height above mean sea level</i>
11	Ostfriesland	100	51	Oberrheinische Tiefebene	900
12	Nordfriesland-Dithmarschen	100	52	Kraichgau	1100
13	Schleswig-Holsteinische Geest	200	53	Neckar-Kocher-Jagst-Gebiet	1700
14	Nordwestliches Niedersachsen	200	54	Mainfranken und Nördliches Unterfranken	1400
15	Schleswig-Holsteinisches Hügelland	300	55	Mittelfranken	1700
			56	Oberfranken	1900
21	Westliches Niedersachsen	300	57	Frankenwald und Fichtelgebirge	2700
22	Lüneburger Heide	400			
23	Teutoburger Wald	700	61	Schwarzwald	4000
24	Weser-Leine-Bergland	1400	62	Schwäbische Alb	3000
25	Hannover-Braunschweig	500	63	Fränkische Alb	2000
			64	Oberpfälzer Wald	2400
31	Niederrheinisches Tiefland	300			
32	Münsterland	500	71	Hochrhein- und Bodenseeraum	2100
33	Ruhrgebiet	500	72	Schwäbische Hochebene	2400
34	Niederrheinische Bucht	700	73	Westliche Donauniederung	1700
35	Bergisches Land	1400	74	Südbayerisches Hügelland	1800
36	Sauerland	2400	75	Östliche Donau- und Naabniederung	1600
37	Eifel	2000	76	Bayerischer Wald	3300
38	Neuwieder Becken	800			
39	Westerwald	1900	81	Westliches Alpenvorland	3300
			82	Östliches Alpenvorland	2500
41	Hunsrück	2300	83	Allgäuer Alpen	6500
42	Taunus	1900	84	Östliches Bayerisches Alpengebiet	6500
43	Nordhessisches Bergland mit Vogelsberg	2000			
44	Rheinpfalz und Saarland	1900			
45	Rhein-Main-Gebiet und Wetterau	700			
46	Odenwald und Spessart	1700			
47	Rhön	2800			

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

Date: April 1991

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

Germany

Aii-VI Notification from RTH Offenbach that: OFFENBACH(MAIN)-HAMBURG/PINNEBERG (DDH3/DDK3/DDK6) radio-facsimile broadcast for shipping effective 15 April 1991 changes as follows:

Chart 97909 at 1520 UTC replace H+36 by H+60.
Chart 97962 replace transmission time 0611 by 0651 UTC
Chart 97878 at 0745 UTC and 97879 at 1845 UTC amend to read in column 8: "Arrows showing the movement of pressure systems, tropical storms, significant weather"

Sweden

Ai-VI Group(s): B,D SVERIGES RADIO, effective 1 April 1991, modify as follows:
Column 8: replace 1542(1442) by 1540(1440)
1725(1625) by 1730(1630)

Under "List of Stations(3)" replace 02382 Härno by Lungö

2. Marine meteorological services available for main ports (Publication No.9, Volume D, Part C1)

Israel - Israël (1.IV.1991)

Changes (pages: D-C₁-VI-14 and 15)

(1)	(2)	(3)
Ashdod	A. Ophir, PMO, Ashdod Port or / ou Senior Duty Officer, Central Forecasting Office Israel Meteorological Service P.O. Box 25, Bet Dagan	(08) 524956 (03) 9682146
Elat	J. David, District Meteorological Station, Israel Meteorological Service, P.O. Box 68, Elat	(059) 72206
Haifa	H. Arbel, Chief, Ship Supervision Section Port Meteorological Office, Israel Meteorological Service, P.O. Box 33572, Haifa or/ou Senior Duty Officer, Central Forecasting Office, Israel Meteorological Service P.O. Box 25, Bet Dagan	(04) 664427 (03) 9682146