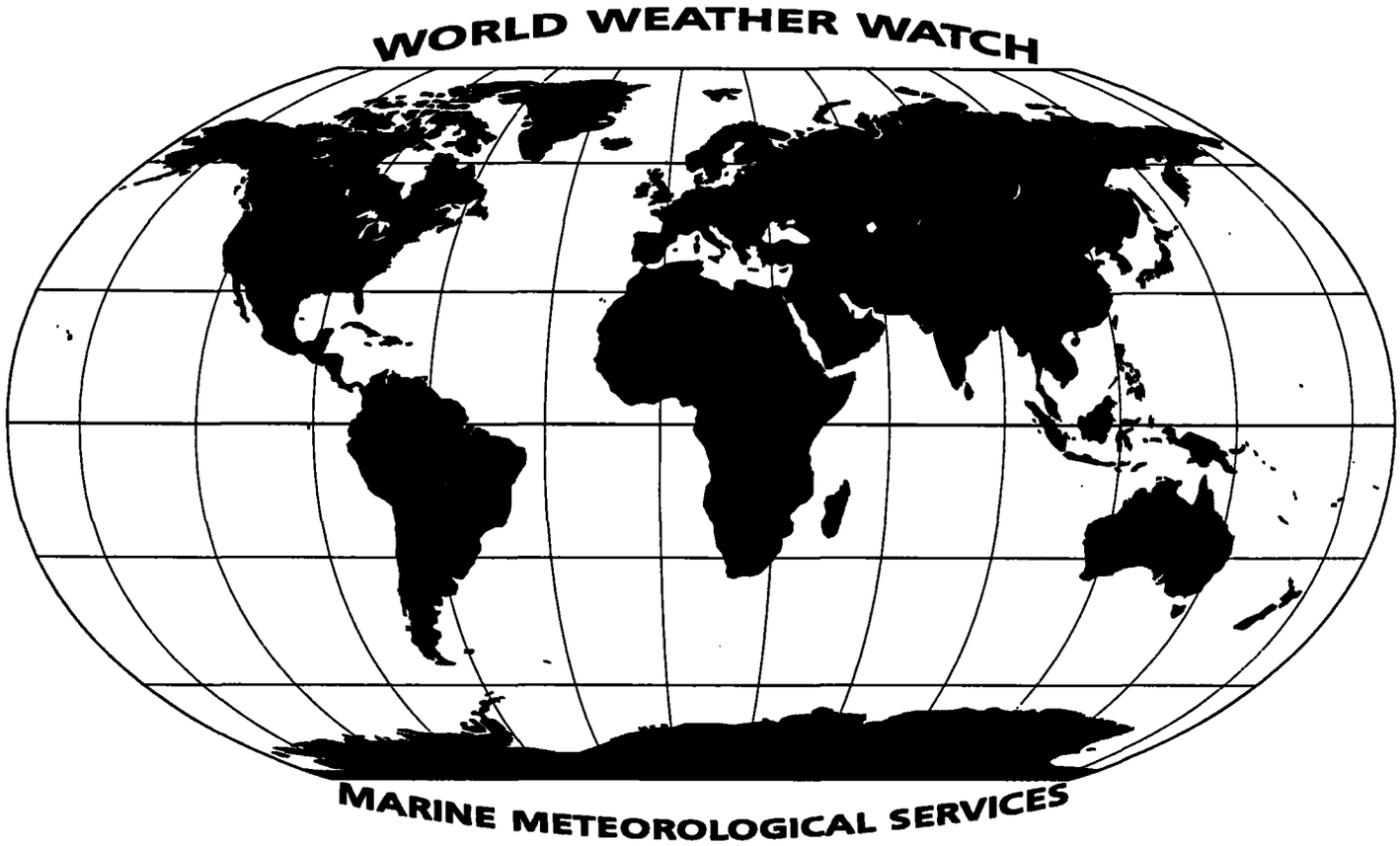
OPERATIONAL
newsletter

Volume 1994 — No. 9

(September 1994)



World Meteorological Organization
GENEVA

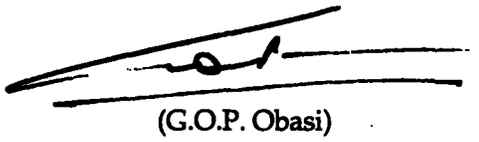
The WMO Secretariat would like to express its appreciation to all those who have contributed material to the "Operational Newsletter". ■

Foreword

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 we have created the "OPERATIONAL *NEWSLETTER*" to provide you with the latest operational information on WWW and MMS.

A special table is included in the "OPERATIONAL *NEWSLETTER*" in Annex I - *Global Observing System* to assist Members in reporting changes in the present status of implementation of observing programmes of SYNOP, TEMP and PILOT reporting stations.

Your co-operation in ensuring that the above information reaches the appropriate operational units of your service is greatly appreciated.



(G.O.P. Obasi)
Secretary-General

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GLOBAL OBSERVING SYSTEM

A. GOS REGULATORY OR GUIDANCE MATERIAL

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3.1 WMO Catalogue of Radiosondes and Upper-air Wind Systems in use by Members (Refer to Operational Newsletter Volume 1994- No. 2)

WMO Index Number		61202	61223	61291
Name of Station		Tessalit	Tombouctou	Bamako/Senou
Technical Authority over Station		Mali	Mali	Mali
Degrees:	Latitude (- = S)	20.12	16.72	12.53
	Longitude (- = W)	00.59	-03.00	-7.95
Height (Metres)		491	264	381
Program:	TEMP	12	12	0012
	PILOT	000618	000618	0618
SONDE:	Regular Type Used	VRS80N	VRS80N	VRS80N
	Alternative Type Used			
	Frequency (MHZ)	403	403	403
Radiation:	Correction Y=Yes/N=No	N	N	N
	Correction Type Used	–	–	–
Ground Equipment Used:		DIGICORA	DIGICORA	STAR
WINDFINDING:	System Used	OMEGA	OMEGA	OMEGA
	Equipment Used	DIGICORA	DIGICORA	STAR
Date:		06/94	06/94	06/94

C. INFORMATION ON THE OPERATIONAL STATUS OF ELEMENTS OF THE SURFACE-BASED SUB-SYSTEM

1. PUBLICATION NO. 9, VOLUME A - STATIONS

1.1 New stations

Index No.	Name	Latitude	Longitude	Elevation HP	Elevation H/HA	Pressure Level	Surface observations 00	03	06	09	12	15	18	21	Obs. H Obs. S	Upper-air 00	06	12	18	Remarks
Region I — Morocco																				
60106	Chefchaouen	35°04'N	05°18'W	305	300		.	.	X	X	X	X	X	.	H07-17	.	.	.	.	
Region II — Thailand																				
48454	Bangkok	13°42N	100°34E	6	3		X	X	X	X	X	.	.	.		.	.	.	.	
48457	Bangkok Pilot	13°23N	100°36E	15	14		X	X	X	X	X	.	.	.		.	.	.	.	
48463	Laemchabang	15°05N	100°53E	82	78		X	X	X	X	X	.	.	.		.	.	.	.	
48553	Khanom	09°15N	99°52E	5	3		X	X	X	X	X	.	.	.		.	.	.	.	
48563	Krabi	08°04N	98°55E	8	3		X	X	X	X	X	.	.	.		.	.	.	.	

C. Information on the operational status of elements of the surface-based sub-system *(continued)*
1. Publication No. 9, Volume A - Stations / 1.1 New stations *(continued)*

Index No.	Name	Latitude	Longitude	Elevation HP	Elevation H/HA	Pressure Level	Surface observations 00	03	06	09	12	15	18	21	Obs. H Obs. S	Upper-air 00	06	12	18	Remarks
Region IV — U.S.A.																				
72501	Upton, NY	40°52'N	72°52'W	20	-		.	.	.	.	.	.	.	.		RW	.	RW	.	
(Upper-air program replaces 72407 effective 8 September 1994)																				
74389	Gray, ME	43°54'N	70°15'W	125	-		.	.	.	.	.	.	.	.		RW	.	RW	.	
(Upper-air program replaces 72606 effective 12 September 1994)																				
Region VI — Turkey																				
17351	Adana	37°03N	35°21E	28	28		.	.	.	.	.	.	.	.	H00-24	RW	.	RW	.	

1.2 Deleted stations

Region	Index No.	Name
I — Egypt	62300	Salloum

Region	Index No.	Name
V — New Zealand	93556	Molesworth
	93557	Molesworth

1.3 Changes to existing stations

Index No.	Name	Surface observations 00	03	06	09	12	15	18	21	Obs. H Obs. S	Upper-air 00	06	12	18	Remarks
Region II — Iran, Islamic Republic of															
40745	Mashhad	X	X	X	X	X	X	X	X	H00-21	RW	.	.	.	
40766	Kermanshah	X	X	X	X	X	X	X	X	H00-21	.	.	RW.		
40800	Esfahan	X	X	X	X	X	X	X	X	H00-21	.	.	RW	.	
40809	Birjand	X	X	X	X	X	X	X	X	H03-21	.	.	RW	.	
40841	Kerman	X	X	X	X	X	X	X	X	H00-21	RW	.	W	.	
40848	Shiraz	X	X	X	X	X	X	X	X	H00-21	RW	.	W	.	
Region III — Ecuador															
84008	San Cristobal (Galapagos)	X	.	.	.	X	X	X	X	H12-24	RW	.	.	.	
Region IV — U.S.A.															
72407	Atlantic City, NJ	X	.	X	.	X	.	X	.		.	.	.	.	
(Upper-air program discontinued effective 9 September 1994)															
72606	Portland/Intl Jetport, ME	X	.	X	.	X	.	X	.		.	.	.	.	
(Upper-air program discontinued effective 11 September 1994)															
72654	Huron/Huron Regional, SD	X	.	X	.	X	.	X	.		.	.	.	.	
(Upper-air program discontinued effective 8 November 1994)															
72659	Aberdeen Rgnl, SD	.	.	.	.	.	.	.	.		RW	.	RW	.	
(Upper-air program replaces 72654 effective 8 November 1994)															
74494	Chatham, MA	X	.	.	.	.	.	X	.	H16-00	RW	.	RW	.	

C. Information on the operational status of elements of the surface-based sub-system *(continued)*
1. Publication No. 9, Volume A - Stations / 1.3 Changes to existing stations *(continued)*

Index No.	Name	Surface observations 00	03	06	09	12	15	18	21	Obs. H Obs. S	Upper-air 00	06	12	18	Remarks
Region V — Australia															
94430	Meekatharra	01	04	07	10	13	16	19	22	S00-24	RW	W	.	W	
Region V — New Zealand															
93119	Auckland Airport	.	.	.	.	.	.	.	.	H00-24	.	.	.	.	
93436	Wellington Airport	.	.	.	.	.	.	.	.	H00-24	.	.	.	.	
93780	Christchurch	.	.	.	.	.	.	.	.	H00-24	W	.	W	W	
Region VI — Denmark and Faroe Islands															
06161	SPODSBJERG	.	.	.	X	X	X	.	.		.	.	.	.	
Region VI — Turkey															
17352	ADAN/SAKIRPASA	X	X	X	X	X	X	X	X	H00-24	.	.	.	.	

1.5 Temporary changes

•Notification from Australia

Daylight Saving Time (DST)

•**Tasmania** will introduce one hour Daylight Saving (summer time) from 1600 UTC 1 October 1994 until 1500 UTC 25 March 1995 and
•**New South Wales** and the **Australian Capital Territory** from 1600 UTC 29 October 1994 until 1500 UTC 4 March 1995 and
•**South Australia** and **Victoria** from 1600 UTC 29 october 1994 until 1500 UTC 25 March 1995
•**Western Australia, Queensland** and the **Northern Territory** will not be implementing summer time.

Surface observations:
•Stations in those states implementing summer time will be made one hour earlier.
•Stations in **Western Australia, Queensland** and the **Northern Territory** will continue on the present schedule.

Upper-air stations:
•Will make ascents one hour earlier at 1615, 2215, 0415 and 1015 UTC as follows :
Tasmania from 1 October 1994 to 25 March 1995
South Australia and **Victoria** from 29 October 1994 to 25 March 1995
•All other upper-air stations in Australia will make ascents from 29 October 1994 to 4 March 1995
•Stations in Western Australia currently perform a routine ascent at 1615 UTC throughout the year, no change will therefore be made to the release time of this ascent due to daylight saving.

Other stations under Australian control will adopt the following schedules:
94299 Willis Island will follow Queensland practice,

94995 Lord Howe Island and
94996 Norfolk Island will follow New South Wales practice,

94998 Macquarie Island will follow Tasmania practice,
96996 Cocos Island will follow Western Australia practice

Surface and upper-air programmes of Antarctic stations operated by Australia remain unchanged

C. Information on the operational status of elements of the surface-based sub-system *(continued)*
1. Publication No. 9, Volume A - Stations / 1.5 Temporary changes *(continued)*

•Notification from New Zealand

That summer time will be implemented from 1400 UTC 2 October 1994 to 1400 UTC 19 March 1995, during this period all SYNOP reports and upper-air soundings will be carried out one hour earlier.

•Notification from Italy

That radiosonde/radiowind observations performed twice a day at station: 16144 S. Pietro Capofiume Molinella (Bologna) have temporarily been interrupted since 6 September 1994.

4. AUTOMATIC MARINE STATIONS

KEY: Observed or Technical Parameters

Column	Parameters
1	Wind direction and speed
2	Air temperature
3	Air pressure
4	Pressure tendency
5	Sea-surface temperature
6	Wave period and height
7	Wave spectra
8	Peak wind gust

Column	Parameters
9	Subsurface temperatures
10	Relative humidity
11	Visibility
-	Parameter not observed
X	Buoy observes this parameter
.	Data under evaluation, not reported

4.3 United States of America

List of U.S.A. Ocean Data Acquisition System (ODAS) included in the **September 1994** 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 DRIFTER code.

4.3.1 Moored Buoys

WMO buoy Identifier	ARGOS Identifier	Position: 8-15 Sept. '94		Observed or technical parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
32302		18.0S	85.1W	X	X	X	-	X	X	X	-	-	-	-
41001*		34.7N	72.7W	X	X	X	-	X	X	X	-	-	-	-
41002*		32.3N	75.2W	X	X	X	-	X	X	X	-	-	-	-
41004		32.5N	79.1W	X	X	X	-	X	X	X	-	-	-	-
41006*		29.3N	77.3W	X	X	X	-	X	X	X	-	-	-	-
41009		28.5N	80.2W	X	X	X	-	X	X	X	-	-	-	-

* Base funded station of National Weather Service (NWS); however, all stations report data to NWS

C. Information on the operational status of elements of the surface-based sub-system *(continued)*
4. Automatic marine stations / 4.3 United States of America / 4.3.1 Moored Buoys *(continued)*

WMO buoy Identifier	ARGOS Identifier	Position: 8-15 Sept. '94		Observed or technical parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
41010		28.9N	78.5W	X	X	X	-	X	X	X	-	-	-	-
41016		24.6N	76.5W	X	X	X	-	X	X	X	-	-	-	-
41018		15.0N	75.0W	X	X	X	-	X	X	X	-	-	-	-
41021		31.9N	80.9W	X	X	X	-	X	X	X	-	-	-	-
42001*		25.9N	89.7W	X	X	X	-	X	X	X	-	-	-	-
42002*		25.9N	93.6W	X	X	X	-	X	X	X	-	-	-	-
42003*		25.9N	85.9W	+	+	+	-	+	+	+	-	-	-	-
42007		30.1N	88.8W	X	X	X	-	X	.	.	-	-	-	-
42019		27.9N	95.0W	X	X	X	-	X	+	+	-	-	-	-
42020		27.0N	96.5W	X	X	X	-	X	X	X	-	-	-	-
42025		24.9N	80.4W	X	X	X	-	X	X	X	-	-	-	-
42035		29.2N	94.4W	X	X	X	-	X	X	X	-	-	-	-
42036		28.5N	84.5W	X	X	X	-	X	X	X	-	-	-	-
42037		24.5N	81.4W	X	X	X	-	X	X	X	-	-	-	-
44004*		38.5N	70.7W	X	X	+	-	X	X	X	-	-	-	-
44005*		42.9N	68.9W	X	X	X	-	X	X	X	-	-	-	-
44006		36.3N	75.5W	X	X	X	-	X	.	.	-	-	-	-
44007		43.5N	70.1W	X	X	X	-	X	X	X	-	-	-	-
44008		40.5N	69.4W	X	+	X	-	X	X	X	-	-	-	-
44009		38.5N	74.7W	X	X	X	-	X	X	X	-	-	-	-
44010		36.0N	75.0W	X	X	X	-	X	.	.	-	-	-	-
44011*		41.1N	66.6W	X	X	X	-	X	X	X	-	-	-	-
44013		42.4N	70.7W	+	X	X	-	X	X	X	-	-	-	-
44014		36.6N	74.8W	X	X	X	-	+	X	X	-	-	-	-
44019		36.4N	75.2W	X	X	X	-	X	.	.	-	-	-	-
44025		40.3N	73.2W	X	X	X	-	X	X	X	-	-	-	-
44028*		41.4N	71.1W	X	X	X	-	X	X	X	-	-	-	-
45001*		48.0N	87.8W	X	X	X	-	X	X	X	-	-	-	-
45002*		45.3N	86.4W	X	X	X	-	X	X	X	-	-	-	-
45003*		45.3N	82.8W	X	X	X	-	X	X	X	-	-	-	-
45004*		47.5N	86.5W	X	X	X	-	X	X	X	-	-	-	-
45005*		41.7N	82.4W	X	X	X	-	X	X	X	-	-	-	-
45006*		47.3N	89.9W	X	X	X	-	X	X	X	-	-	-	-
45007*		42.7N	87.1W	X	X	X	-	X	X	X	-	-	-	-
45008*		44.3N	82.4W	X	X	X	-	X	X	X	-	-	-	-
45010		43.0N	87.8W	X	X	X	-	X	X	X	-	-	-	-
46001*		56.3N	148.2W	X	+	X	-	X	X	X	-	-	-	-
46002*		42.5N	130.3W	X	X	X	-	X	X	X	-	-	-	-

* Base funded station of National Weather Service (NWS); however, all stations report data to NWS
\+ Sensor/system failure

C. Information on the operational status of elements of the surface-based sub-system *(continued)*
4. Automatic marine stations / 4.3 United States of America / 4.3.1 Moored Buoys *(continued)*

WMO buoy Identifier	ARGOS Identifier	Position: 8-15 Sept. '94		Observed or technical parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
46003*		51.9N	155.9W	X	X	X	-	X	X	X	-	-	-	-
46005*		46.1N	131.0W	X	X	X	-	X	X	X	-	-	-	-
46006*		40.9N	137.5W	X	X	X	-	X	X	X	-	-	-	-
46011		34.9N	120.9W	X	X	X	-	X	X	X	-	-	-	-
46012		37.4N	122.7W	X	X	X	-	X	X	X	-	-	-	-
46013*		38.2N	123.3W	X	X	X	-	X	X	X	-	-	-	-
46014*		39.2N	124.0W	X	X	X	-	X	X	X	-	-	-	-
46022		40.8N	124.5W	X	X	X	-	X	X	X	-	-	-	-
46023		34.2N	120.7W	X	X	X	-	X	X	X	-	-	-	-
46025		33.7N	119.1W	X	X	X	-	X	X	X	-	-	-	-
46026		37.7N	122.8W	X	+	X	-	X	X	X	-	-	-	-
46027		41.9N	124.4W	X	X	X	-	X	X	X	-	-	-	-
46028*		35.8N	121.9W	X	X	X	-	+	X	X	-	-	-	-
46029		46.2N	124.2W	X	X	X	-	X	X	X	-	-	-	-
46030		40.4N	124.5W	X	X	X	-	X	X	X	-	-	-	-
46035		57.0N	177.7W	X	X	X	-	X	X	X	-	-	-	-
46041		47.4N	124.5W	+	+	+	-	+	+	+	-	-	-	-
46042		36.8N	122.4W	X	X	X	-	X	X	X	-	-	-	-
46045		33.8N	118.4W	X	X	X	-	X	X	X	-	-	-	-
46050		44.6N	124.5W	+	X	X	-	+	X	X	-	-	-	-
46053		34.2N	119.8W	X	X	X	-	X	X	X	-	-	-	-
46054		34.3N	120.4W	X	X	X	-	X	X	X	-	-	-	-
51001*		23.4N	162.3W	X	X	X	-	X	+	+	-	-	-	-
51002		17.2N	157.8W	X	X	X	-	X	X	X	-	-	-	-
51003*		19.1N	160.8W	X	X	X	-	X	X	X	-	-	-	-
51004*		17.4N	152.5W	X	X	X	-	X	X	X	-	-	-	-
51026		21.4N	157.0W	X	X	X	-	X	X	X	-	-	-	-

Total base funded buoys: =	28
Total other buoys: =	37
TOTAL moored buoys:	65

* Base funded station of National Weather Service (NWS); however, all stations report data to NWS
\+ Sensor/system failure

C. Information on the operational status of elements of the surface-based sub-system *(continued)*
4. Automatic marine stations / 4.3 United States of America *(continued)*

4.3.2 Drifting Buoys

WMO buoy Identifier	ARGOS Identifier	Position: 14-15 Sept. '94		Observed or technical parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
16811	17180	42°S	061°E	.	X	X	-	X	.	.	.	-	-	-
17818	17175	39°S	037°E	.	X	X	-	+	.	.	.	-	-	-
17819	17174	47°S	060°E	.	+	X	-	X	.	.	.	-	-	-
17820	17173	53°S	044°E	.	+	X	-	X	.	.	.	-	-	-
17821	17176	45°S	042°E	.	+	X	-	X	.	.	.	-	-	-
17822	17184	34°S	041°E	.	X	X	-	X	.	.	.	-	-	-
32811	17170	35°S	074°W	.	+	X	-	X	.	.	.	-	-	-
32812	17171	23°S	120°W	.	X	X	-	X	.	.	.	-	-	-
32813	17172	29°S	096°W	.	+	X	-	X	.	.	.	-	-	-
32814	17161	31°S	091°W	.	+	X	-	X	.	.	.	-	-	-
33834	1979	27°S	005°W	.	X	X	-	X	.	.	.	-	-	-
33838	17163	33°S	007°E	.	+	X	-	X	.	.	.	-	-	-
33839	17164	37°S	003°W	.	+	X	-	X	.	.	.	-	-	-
33840	17165	39°S	028°E	.	+	X	-	X	.	.	.	-	-	-
33841	17166	34°S	003°W	.	+	X	-	X	.	.	.	-	-	-
33842	17167	44°S	083°E	.	+	X	-	X	.	.	.	-	-	-
53823	5131	08°S	114°E	.	+	†	-	+	.	.	.	-	-	-
54807	20718	52°S	143°W	.	X	X	-	X	.	.	.	-	-	-
54808	20722	53°S	149°W	.	X	X	-	X	.	.	.	-	-	-
54809	20719	32°S	170°W	.	X	X	-	X	.	.	.	-	-	-
54810	17181	30°S	163°W	.	X	X	-	X	.	.	.	-	-	-
54844	17168	32°S	115°W	.	+	X	-	X	.	.	.	-	-	-
55801	20721	42°S	154°E	.	+	X	-	X	.	.	.	-	-	-
56801	5130	33°S	037°E	.	X	X	-	X	.	.	.	-	-	-
56804	1977	42°S	129°E	.	+	X	-	X	.	.	.	-	-	-
56805	1990	52°S	173°E	.	X	X	-	X	.	.	.	-	-	-
56806	1984	21°S	087°E	.	X	X	-	X	.	.	.	-	-	-
56807	20716	19°S	101°E	.	+	X	-	X	.	.	.	-	-	-
56808	20720	20°S	104°E	.	X	X	-	X	.	.	.	-	-	-

327 drifting buoys have been deployed in support of TOGA; 29 are operational

+ Sensor/system failure
† Buoy beached, sensor reporting

C. Information on the operational status of elements of the surface-based sub-system *(continued)*
4. Automatic marine stations *(continued)*

4.7 List of wind buoys and AWS reporting in DRIFTER

4.7.1 Fixed stations

•Fixed stations reporting with SYNOP - effective 30 August 1994
Stations from which data are collected via Argos and distributed on GTS using the SYNOP code:

Argos Identification No.	WMO Index No.	Header A1A2ii[1]	Old WMO Number[2]	Latitude	Longitude	Anemometer (height)[3]	Altitude of station[4]	Name of station[5]
•Norwegian Meteorological Institute								
09497	89504	AA19	(74002)	72.117S	2.538W	None	1290m	Troll
•Alfred Wegener Institute, Germany								
03315	89258	AA19	(71524)	77.085S	50.237W	None	40m	
03317	89214	AA19	(71042)	72.886S	19.035W	6m	35m	
•Norwegian Polar Institute								
01591	68992	BV01	(17001)	54.408S	3.285E	None	43.5m	Bouvet Island
•Finnish Meteorological Institute								
01384	89014	AA19	(none)	73.50S	13.42W	10m	510m	
•US Naval Oceanographic Office								
00939	13491	ME20	(13491)	42.290N	22.194E	3m	1176m	

1) A1A2ii of the GTS bulletin header used for GTS distribution
2) Old WMO number if the station used to report in DRIFTER code
3) "None" if no anemometer present
4) Altitude of the station above Sea Level
5) Name or Site of the station, if any

•Fixed stations reporting with DRIFTER - effective 30 August 1994
These stations report on GTS using the DRIFTER code

Argos Identification No.	WMO Index No.	Argos Program No.	Latitude	Longitude	Anemometer (height)[1]	Pressure RSLP/P[2]	Altitude of station[3]	Name of station[4]
Australian Bureau of Meteorology								
04873	56001	00086	53.027S	73.4E	None	RSLP	10m	
03101	56003	00086	53.027S	73.4E	None	RSLP	12m	
Norwegian Meteorological Institute								
09400	63006	00154	78.231N	22.786E	10m	RSLP	24m	Edge Island
Norwegian Polar Institute								
01757	71001	00029	68.763S	90.7W	None	RSLP	50.0m	
01758	17003	00029	54.41S	3.288E	None	RSLP	41.5m	Bouvet Island

1) "None" if no anemometer present
2) RSLP - Reduced Sea Level Pressure is transmitted on GTS / P - Air Pressure at station level is transmitted on GTS
3) Altitude of the station above Sea Level
4) Name or Site of the station, if any

C. Information on the operational status of elements of the surface-based sub-system *(continued)*
4. Automatic marine stations / 4.7 List of wind buoys and AWS reporting in DRIFTER *(continued)*

4.7.2 Moored buoys

•Moored buoys reporting wind - effective 30 August 1994
These moored buoys report wind data on GTS using the DRIFTER code.

Since a wind instrument is rarely placed at a standard 10 meters height on a moored buoy, the height is here indicated under the column "WIND"

Argos Identification No.	WMO Index No.	Argos Program No.	WIND Anemometer height	REMARKS
United Kingdom Meteorlogical Office				
06271	64043	00487	2.08m	ODAS 451
LATEX, USA				
00935	42030	01104	3.6m	
00936	42027	01104	3.6m	
NOAA Pacific Marine Evironment Laboratory (USA), TOGA TAO Array buoys				
00770	32317	09482	4m	
00771	51022	09482	4m	
00772	43001	09482	4m	
00776	51309	09482	4m	
00777	51308	09482	4m	
00786	52012	09482	4m	
00787	51015	09482	4m	
00789	52004	09482	4m	
00791	51014	09482	4m	
00792	52011	09482	4m	
00989	32321	09482	4m	
00990	32304	09482	4m	
00991	32319	09482	4m	
00993	52315	09482	4m	
04591	51011	09482	4m	
04593	51017	09482	4m	
04594	32316	09482	4m	
04597	51007	09482	4m	
06471	51021	09482	4m	
06472	32322	09482	4m	
06474	51023	09482	4m	
06477	32303	09482	4m	
06515	51008	09482	4m	
06519	52316	09482	4m	
06520	32315	09482	4m	
06796	51302	09482	4m	

C. Information on the operational status of elements of the surface-based sub-system *(continued)*
4. Automatic marine stations /4.7 List of wind buoys and AWS reporting in DRIFTER/4.7.2 Moored buoys *(continued)*

Argos Identification No.	WMO Index No.	Argos Program No.	WIND Anemometer height	REMARKS
NOAA Pacific Marine Evironment Laboratory (USA), TOGA TAO Array buoys *(continued)*				
06797	52309	09482	4m	
06798	52002	09482	4m	
11116	52010	09482	4m	
11117	52003	09482	4m	
11121	52311	09482	4m	
12525	51310	09482	4m	
12527	51307	09482	4m	
15810	51018	09482	4m	
15811	52318	09482	4m	
15812	51019	09482	4m	
15813	52006	09482	4m	
15814	52312	09482	4m	
15815	52007	09482	4m	
17634	51301	09482	4m	
17637	51009	09482	4m	
17646	51016	09482	4m	
17647	32318	09482	4m	
17662	51303	09482	4m	
17663	51006	09482	4m	
17664	51305	09482	4m	
17665	52310	09482	4m	
17666	51306	09482	4m	
17667	51020	09482	4m	
17668	51010	09482	4m	

4.7.3 Drifting buoys

•Drifting buoys reporting wind - effective 30 August 1994
These drifting buoys report wind data on GTS using the DRIFTER code.
Since a wind instrument cannot be placed at a standard 10 meters height on a drifting buoy, the height is here indicated under column "WIND"

Argos Identification No.	WMO Index No.	Argos Program No.	WIND Anemometer height
Meteo France			
10117	62505	00435	2.2m corrected to 10m
10118	62506	00435	2.2m corrected to 10m
15503	62502	00044	2.2m corrected to 10m
15526	13556	00044	2.2m corrected to 10m

C. Information on the operational status of elements of the surface-based sub-system *(continued)*
4. Automatic marine stations /4.7 List of wind buoys and AWS reporting in DRIFTER/4.7.3 Drifting buoys *(continued)*

Argos Identification No.	WMO Index No.	Argos Program No.	WIND Anemometer height
Meteo France *(continued)*			
15531	13561	00044	2.2m corrected to 10m
New Zealand Meteorological Service			
06435	55579	00476	1.5m
06439	55580	00476	1.5m
07179	55583	00476	1.5m
08583	55590	00476	1.5m
US Naval Oceanographic Office			
14627	52520	00600	1m
14632	52527	00600	1m
04452	52525	00599	1m

5. ARGOS SERVICE

5.1 ARGOS monthly status report

Date of statistics computation : 2 September 1994

•Reports handled by ARGOS Service (list of monthly collected ARGOS platforms sorted by type of platform)

Drifting Buoys	:	1057
Boats (<20 knots)	:	0
Marine Stations	:	13
Moored Buoys	:	332
Fixed Stations	:	378
Terrestrial Animals	:	65
Marine Animals	:	116
Birds	:	66
Balloons	:	5
TOTAL	:	2032

•Reports for insertion into the GTS (list of monthly collected GTS platforms on every GTS site sorted by type of platform)

Transmission to RTH Paris:

Boat (less than 20 knots)	:	—
Drifting Buoys	:	107
Fixed Stations	:	11
Marine Stations	:	3
Moored Buoys	:	—
Synoptic PTT	:	1

C. Information on the operational status of elements of the surface-based sub-system *(continued)*
5. ARGOS Service / 5.1 ARGOS monthly status report *(continued)*

•Reports for insertion into the GTS (list of monthly collected GTS platforms on every GTS site sorted by type of platform)

Transmission to NWS Washington:

Drifting Buoys	:	564
Fixed Stations	:	9
High Speed	:	—
Moored Buoys	:	73

•GTS coding statistics of platforms reporting through ARGOS and distributed over the GTS

BATHY =	338
DRIFTER =	157564
SYNOP =	2730
TOTAL:	160632

8. FEED-BACK FROM MEMBERS TO THE SECRETARIAT ON ANY CHANGES IN THE OBSERVING NETWORK

In view of the difficulties experienced 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, a special table accompanied by explanatory notes (see Appendix I) is attached, 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.

Members are urged to fill in the special table as and when appropriate, and to return it to the Secretariat **before the 20th of each month** to enable changes to be included in the next "OPERATIONAL *NEWSLETTER*".

Feed-Back from Members to the Secretariat on any changes in the Observing Network

(Explanatory Notes overleaf)

Country: _____ **Date effective:** _____

Global Exchange: ☐ **Regional Exchange:** ☐

(please tick the appropriate box)

A		B		C	D								E		F	G
Station				Bulletin Identification	Implementation of Observing Programme								Elevation		Pressure	Remarks
Index No.	Name	Latitude	Longitude	TTAAii CCCC	00	03	06	09	12	15	18	21	HP	H/HA	Level	
1. SYNOP																
2. TEMP																
3. PILOT																

Explanatory Notes

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 (for Volume A and the Catalogue of meteorological Bulletins), and particularly for stations included in the Regional Basic Synoptic Networks (RBSN).

2. For entries in these tables, the following should be taken into account:

Column A: The index number (IIiii) and name of each station should be entered in case of any changes in the observing programmes of the stations;

Column B: The Latitude and the Longitude in degrees and minutes with the appropriate letters (N, S, E and W) should be indicated;

Column C: The TTAAii CCCC of the abbreviated heading of the meteorological bulletins which contains reports from the station should be inserted;

Column D: "X" for implementation and "-" for non-implementation should be inserted as appropriate. In order to easily identify changes in the programme, these should be marked in red;

Column E: HP= the elevation of the station in metres (the datum level to which barometric pressure reports at the station refer);

H = the elevation of the ground, in metres, (average level of terrain in immediate vicinity of station), is given for stations not located on aerodromes;

HA = the official altitude of the aerodrome is given for stations located on aerodromes and is indicated by the letter "A" in the column "Other observations and Remarks" of Volume A;

Column F: For those stations not indicating pressure reduced to mean sea level (group 4PPPP) in their synoptic reports, the entry in this column shows which information is reported in lieu of group 4PPPP:

STATION	Pressure at station level reported using group $3P_oP_oP_oP_o$
1000 hPa	geopotential of the given standard isobaric surface reported using group 4a3hhh
850 hPa	
700 hPa	
500 hPa	

Column G: Reasons for 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, and also possible alternate observing stations, as appropriate.

3. These tables should be sent to the Secretariat **before the 20th of the month** for inclusion in the "OPERATIONAL *NEWSLETTER*", as appropriate.

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)

1.2 Deleted bulletins

•Notification from Australia

That the National Meteorological Centre of Melbourne since 30 June 1994 has ceased the production of the following two coded analyses:

ASXS01 AMMC
AUXS01 AMMC

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B. MANUAL ON CODES

1. GLOBAL PRACTICES

1.3 Changes to codes

MANUAL ON CODES
VOLUME I
INTERNATIONAL CODES
(Annex II to WMO Technical Regulations)

WMO No. 306

Reminder on the changes to Codes coming into force on 2 November 1994 (or starting with the climate data related to the month of November 1994 for CLIMAT reports):

- Amendments to FM 13-IX SHIP (published in Supplement 5 - July 93), to add a group for reporting wet bulb temperature, to systematically report present, past weather, temperature, cloud and waves, and to indicate the type of measurement of sea surface temperature;

- Renaming and extension of FM 18-IX EXT. DRIFTER to FM 18-X BUOY (published in Supplement 5 - July 93) and modification to Code Table 2582, in order to distinguish the new Code Form BUOY (MjMj =YY) from the old one called DRIFTER (MjMj = XX) (published in Supplement 7A - July 94);

- Revised code FM 71-VI CLIMAT, to come into force for the climate data related to the month of November 1994 and all the following months (published in Supplement 5 - July 93 with editorial correction in Supplement 7A - July 94);

- Amendment to FM 75-VI CLIMAT TEMP and FM 76-VI CLIMAT TEMP SHIP, to come into force for the climate data related to the month of November 1994 and all the following months, to avoid confusion regarding the reporting of wind in knots (add 50 to MM) or meters/per second (published in Supplement 5 - July 93);

- Amendments (published in Supplement 6B - May 1994):
  - to tables of FM 92-IX Ext. GRIB; these amendments relate in particular to a new grid definition for Space View perspective or orthographic grid;
  - to tables of FM 94-IX Ext. BUFR, in particular to add information to represent wind profiler data, storm surge and tide information, tropical storm messages and Radar data;

- Amendments (published in Supplement 7B - August 1994), in Binary Data Representations FM 92-X GRIB AND FM 94-X BUFR, in particular to maintain compatibility with Alphanumeric Codes, to add Lifted Index (stability) parameters related to the 500 hPa level and parameters related to ozone measurements.

B. Manual on Codes *(continued)*
1. Global practices *(continued)*

1.4 Corrigendum

Consequential to the new procedure for transmission of wind data in both meters per second or knots in code forms FM 75-X CLIMAT TEMP and FM 76-X CLIMAT TEMP SHIP (when wind speed are given in knots 50 shall be added to MM), with effect for the data of November 1994, the following corrections have been made in the definition of symbolic letters:

- Page **I—C—18**:
  for $d_{v1}d_{v1}d_{v1}$ ... $d_{vn}d_{vn}d_{vn}$, in note (1), the word "knots" is replaced by "units";

- Page **I—C—23**:
  for $f_{v1}f_{v1}$ ... $f_{vn}f_{vn}$, after "knots" insert "or meters per second".

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