

OPERATIONAL NEWSLETTER



OPERATION OF THE WORLD WEATHER WATCH AND MARINE METEOROLOGICAL SERVICES

Volume 1993 — No. 5

Inauguration of an Automatic Weather Station
donated to the AGRHYMET Centre in Niamey (Niger), 8 April 1993



Original photograph by L.M. Michaud

Left to right: Mr. J.C. Bergès, Mr. M.S. Boulahya, Mr. E. Andreoni, Mr. M. Boulama, Mr. J.S. Oliveira,
Mr. G. Ricciarelli, Mr. L. Bechir

The photograph on the cover depicts the inauguration of an automatic weather station donated to the AGRHYMET Centre in Niamey (Niger), 8 April 1993. From left to right:

Mr. J.C. Bergès, AGRHYMET Expert in Remote Sensing

Mr. M.S. Boulahya, Director-General of ACMAD

Mr. E. Andreoni, Consul of Italy in Niamey

Mr. M. Boulama, Director of the National Meteorological Service and Permanent Representative of Niger with WMO

Mr. J.S. Oliveira, Director-General of the AGRHYMET Centre

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The WMO Secretariat would like to express its appreciation to all those who have contributed material to the OPERATIONAL NEWSLETTER.

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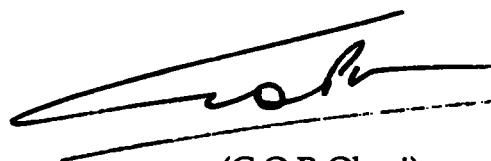
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FOREWORD

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.

The CBS Advisory Working Group recommended that a special table should be added to the "OPERATIONAL NEWSLETTER" to report changes of the present status of implementation of observing programmes of SYNOP, TEMP and PILOT reporting stations. You will note, therefore, that an item, '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.



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

C. INFORMATION ON 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		Pressure Level	Surface observations					Obs. H Obs. S	Upper-air				Re-marks		
				HP	H/HA		00	03	06	09	12		15	18	21	00		06	12	18
87163	B. DE IRIGOYEN AERO	26° 15'S	53° 09'W	815	815		X	.	.	.	.	X	.	S12-24	.	.	.	.
87580	ISLA M. GARCIA	34° 11'S	58° 16'W	36	-		X	X	X	X	X	X	X	S00-24	.	.	.	.
87789	FARO S. BARRANCA	40° 47'S	52° 16'W	9	-		X	.	X	.	X	.	X	S00-24	.	.	.	.
87800	EL BOLSON AERO	41° 58'S	71° 31'W	337	337		X	.	.	.	X	.	X	S12-24	.	.	.	.
87823	P. MADRYN AERO	42° 44'S	65° 04'W	136	136		X	.	.	.	X	.	X	S12-24	.	.	.	.
87839	FARO P. DELGADA	42° 46'S	63° 38'W	56	-		X	.	X	.	X	.	X	S00-24	.	.	.	.
87898	FARO C. BLANCO	47° 12'S	65° 44'W	39	-		X	.	X	.	X	.	X	S00-24	.	.	.	.
93322	TE TUHI JUNCTION	39° 38'S	174° 58'E	-	480		X	X	.	.	.	X	X	X	.	.	.	.

1.2 Deleted stations

Index No.	Name
11464	MILESOVKA /
11648	HRADEC KRALOVE /
87748	COMANDANTE ESPORA B.A.
93383	MOHAKA /

1.3 Changes to existing stations

Index No.	Name	Surface observations								Obs. H Obs. S	Upper-air				Re-marks
		00	03	06	09	12	15	18	21		00	06	12	18	
11855	NITRA	X	X	X	X	X	X	X	X	H00-24	.	.	.	.
11916	CHOPOK	.	.	X	X	X	X	X	.	H06-20	.	.	.	.
11927	LUCENEC	X	X	X	X	X	X	X	X	H00-24	.	.	.	.
11938	TELGART	.	.	X	X	X	X	X	.	H06-20	.	.	.	.
11952	POPRAD/GANOVCE	.	.	.	.	.	.	.	.		RW	RW	RW	W	
11968	KOSICE	X	X	X	X	X	X	X	X	S00-24	.	.	.	.
11976	STROPKOV	.	.	X	X	X	X	X	.	H06-20	.	.	.	.
11978	MILHOSTOV	.	.	X	X	X	X	X	.	H06-20	.	.	.	.
60715	TUNIS-CARTHAGE	X	X	X	X	X	X	X	X	S00-24	RW	P	RW	.	
72402	WALLOPS ISLAND, VA									H13-21	RW	.	RW	.	
87596	PUNTA INDIO B.A.	X	X	X	X	X	X	X	X	H00-24	.	.	.	.
87598	PONTON P. RECALADA	X	X	X	X	X	X	X	X	S00-24	.	.	.	.
87637	CORONEL SUAREZ AERO	X	.	.	.	X	.	X	.	S12-24	.	.	.	.
87642	AZUL AERO	X	.	.	.	X	.	X	.	S12-24	.	.	.	.

1. Publication No. 9, Volume A - Stations (continued)

1.5 Temporary changes

• Notification from Yugoslavia

That as from 1 March 1993 due to budgetary constraints the 00 UTC radiosonde/radiowind observations have temporarily been suspended at station 13275 Beograd/Kosutnjak.

4. Automatic marine stations4.1 *Canada*

Data from moored and drifting buoys are collected via geostationary and polar orbiting satellites respectively. Meteorological reports from moored buoys using FM 13-IX SHIP code are distributed on the GTS from the Direct Readout Station located in Vancouver, B.C. Reports from drifting buoys are received at the ARGOS Local User Terminals in Edmonton and Toronto and distributed on the GTS using the FM 18-IX DRIFTER code.

Legend - Observed or technical parameters

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

4.1.1 *Moored Buoys*

• North-east Pacific Ocean:

WMO buoy Identifier	ARGOS Identifier	Position: 23 April 1993		Observed or technical parameters							
		Latitude	Longitude	1	2	3	4	5	6	7	8
46004	07180	50°56'N	135°52'W	X	X	X	X	X	X	X	.
46145	08676	54°23'N	132°26'W	X	X	X	X	X	X	X	.
46146	07191	49°20'N	123°44'W	X	X	X	X	X	X	X	.
46181	07185	53°50'N	128°50'W	X	X	X	X	X	X	X	.
46183	07192	53°37'N	131°06'W	X	X	X	X	X	X	X	.
46184*	07182			X	X	X	X	X	X	X	.
46185	07187	52°25'N	129°48'W	X	X	X	X	X	X	X	.
46204	07195	51°23'N	128°45'W	X	X	X	X	X	X	X	.
46205	07196	54°10'N	134°20'W	X	X	X	X	X	X	X	.
46206	07193	48°50'N	126°00'W	X	X	X	X	X	X	X	.
46207	08677	50°52'N	129°55'W	X	X	X	X	X	X	X	.
46208	07194	52°30'N	132°42'W	X	X	X	X	X	X	X	.
46036*	05324	48°21'N	133°55'W	X	X	X	X	X	X	X	.
46131	08678	49°54'N	124°59'W	X	X	X	X	X	X	X	.

* Buoy adrift

4. Automatic marine stations / 4.1 Canada / 4.1.1 Moored Buoys (continued)

• North-west Atlantic Ocean:

WMO buoy Identifier	ARGOS Identifier	Position: 23 April 1993		Observed or technical parameters									
		Latitude	Longitude	1	2	3	4	5	6	7	8		
44131 ⁺	03479	46°03'N	60°42'W										
44137	05579	41°12'N	61°08'W	X	X	X	X	X	X	X	X		
44138	05577	44°14'N	53°38'W	X	X	X	X	X	X	X	X		
44139	03448	44°19'N	57°21'W	X	X	X	X	X	X	X	X		
44140*	05576					X	X	X	X	X	X		
44141	03449	42°04'N	56°09'W	X	X	X	X	X	X	X	X		
44142	05578	42°28'N	64°15'W		X	X	X	X	X	X	X		

• Great Lakes:

WMO buoy Identifier	ARGOS Identifier	Position: 23 April 1993		Observed or technical parameters									
		Latitude	Longitude	1	2	3	4	5	6	7	8		
45132	N/A	42°20'N	81°12'W	X	X	X	X	X	X	X	X		
45135	N/A	44°47'N	76°53'W	X	X	X	X	X	X	X	X		
45136	03477	48°32'N	86°57'W	X	X	X	X	X	X	X	X		
45137 [#]	N/A	45°20'N	80°02'W	X	X	X	X	X	X	X	X		
45138	08249												
45139	N/A	43°16'N	79°33'W	X	X	X	X	X	X	X	X		
45141 ⁺	N/A												

4.1.2 Drifting Buoys

• North-east Pacific Ocean:

WMO buoy Identifier	ARGOS Identifier	Position: 23 April 1993		Observed or technical parameters									
		Latitude	Longitude	1	2	3	4	5	6	7	8		
46631	12510	54°18'N	153°48'W		X	X	X	X				X	
46633	12512	48°30'N	145°42'W		X	X	X	X				X	
46642	12521	49°00'N	155°36'W			X	X	X				X	
46656	07143	58°48'N	150°30'W		X	X	X	X				X	
46657	07145	44°42'N	143°18'W		X	X	X	X				X	
46658	06267	52°48'N	137°06'W		X	X	X	X				X	
46659	06268	56°30'N	147°18'W		X	X	X	X				X	
46662	01357	46°13'N	157°03'W			X		X					
46682	07136	44°06'N	133°30'W		X	X	X	X				X	
46684	07137	45°00'N	125°40'W		X	X	X	X				X	
46687	07138	28°48'N	154°30'W		X	X	X	X				X	
46699	07146	58°54'N	149°36'W		X	X	X	X				X	
46704	07128	29°18'N	134°18'W		X	X	X	X				X	
46706	07130	27°54'N	140°36'W		X	X	X	X				X	
46708	07132	59°24'N	150°06'W		X	X	X	X				X	

- ⁺ Removed from service for winter
^{*} Buoy adrift
[#] Relocated for winter

4. Automatic marine stations / 4.1 Canada / 4.1.2 Drifting Buoys (continued)

• Arctic Icepack:

WMO buoy Identifier	ARGOS Identifier	Position: 19 April 1993		Observed or technical parameters								
		Latitude	Longitude	1	2	3	4	5	6	7	8	
47532	05313	82°12'N	101°06'W	.	X	X	.	.	.	.	.	.
48526	05314	75°06'N	144°18'W	.	X	X	.	.	.	.	.	.
48567	01837	75°24'N	159°24'W	.	.	X	.	.	.	.	.	.
48568	07100	74°42'N	153°24'W	.	.	X	.	.	.	.	.	.

4. Automatic marine stations (continued)

4.2 France

Data from drifting buoys are collected by the ARGOS system. They are distributed on the GTS in DRIFTER code, either from CLS/ARGOS in Toulouse (heading SSVX01 LFPW), or from the Centre de Météorologie Marine in Brest (headings SSVX51 and SSVX55 LFPW).

Legend - Observed or technical parameters

Column	Parameters	Column	Parameters
1	Wind direction and speed	6	Wave period and height
2	Air temperature	7	Wave spectra
3	Air pressure	8	Peak wind gust
4	Pressure tendency	9	Subsurface temperatures
5	Sea-surface temperature		

4.2.2 Drifting Buoys

WMO buoy Identifier	ARGOS Identifier	Position: 23 April 1993		Observed or technical parameters								
		Latitude	Longitude	1	2	3	4	5	6	7	8	9
52575	17618	0°43 'S	166°34 'E	.	.	.	.	X	.	.	.	X
52576	17623	11°06 'N	147°53 'E	.	.	.	.	X	.	.	.	X
52577	17624	10°35 'N	151°20 'E	.	.	.	.	X	.	.	.	X
52578	17625	1°07 'S	164°48 'E	.	.	.	.	*	.	.	.	*
52579	17629	0°40 'S	169°14 'E	.	.	.	.	X	.	.	.	X
52580	17619	10°47 'N	154°13 'E	.	.	.	.	X	.	.	.	X
52581	17620	00°38 'S	163°40 'E	.	.	.	.	X	.	.	.	X
52582	17627	5°14 'S	157°38 'E	.	.	.	.	X	.	.	.	X
52583	17621	0°13 'S	167°08 'E	.	.	.	.	X	.	.	.	X
52584	17626	4°53 'N	146°02 'E	.	.	.	.	X	.	.	.	X
52585	17628	4°19 'S	163°14 'E	.	.	.	.	X	.	.	.	X
52586	02683	0°33 'S	159°28 'E	.	.	.	.	*	.	.	.	*
52587	02688	8°04 'N	154°22 'E	.	.	.	.	*	.	.	.	*
52588	02690	8°46 'N	155°01 'E	.	.	.	.	X	.	.	.	X
52589	17622	3°12 'N	153°10 'E	.	.	.	.	X	.	.	.	X
52886	14415	3°55 'S	161°50 'E	X	.	X	.	.	.	.	.	.

* Sensor/system failure

4. Automatic marine stations / 4.2 France (continued)

4.2.2 Drifting Buoys (continued)

WMO buoy Identifier	ARGOS Identifier	Position: 23 April 1993		Observed or technical parameters								
		Latitude	Longitude	1	2	3	4	5	6	7	8	9
52887	14416	3°16 'S	160°15 'E	X	.	X	.	X	.	.	.	.
52889	02678	10°58 'N	177°25 'W	.	.	.	.	X	.	.	.	X
52890	02679	14°01 'N	176°47 'W	.	.	.	.	X	.	.	.	X
52891	02676	1°20 'S	156°47 'E	.	.	.	.	X	.	.	.	X
52893	02680	1°05 'S	169°28 'E	.	.	.	.	X	.	.	.	X
62503	05834	44°47 'N	12°47 'W	.	.	X	X	X	.	.	.	X
62507	05794	44°56 'N	80°59 'W	.	.	X	X	X	.	.	.	.
62511	01354	45°28 'N	7°46 'W	.	.	X	.	X	.	.	.	.
62516	10107	48°28 'N	12°32 'W	.	.	X	X	X	.	.	.	.
62517	10108	47°44 'N	11°16 'W	.	.	X	X	X	.	.	.	.
62518	10113	45°52 'N	11°46 'W	X	.	X	X	X	.	.	.	.

4. Automatic marine stations (continued)

4.3 United States of America

List of U.S.A. Ocean Data Acquisition System (ODAS) included in the May 1993 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.

Legend - Observed or technical parameters

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

4.3.1 Moored Buoys

WMO buoy Identifier	ARGOS Identifier	Position: 6-13 May 1993		Observed or technical parameters								
		Latitude	Longitude	1	2	3	4	5	6	7	8	
32302		18.0 S	85.1 W	X	X	X		X	X	X		
41001**		34.7 N	72.7 W	X	X	X		X	X	X		
41002**		32.3 N	75.2 W	X	X	X		X	X	X		
41004		32.5 N	79.1 W	X	X	X		X	X	X		
41006**		29.3 N	77.4 W	X	X	X		X	X	X		
41009		28.5 N	80.2 W	X	X	X		*	X	X		
41010		28.9 N	78.5 W	X	X	X		X	X	X		
41016		24.6 N	76.5 W	X	X	X		X	X	X		
42001**		25.9 N	89.7 W	X	X	X		X	X	X		
42002**		25.9 N	93.6 W	X	X	X		X	X	X		
42003**		25.9 N	85.9 W	X	X	X		X	X	X		
42007		30.1 N	88.8 W	X	X	X		X	.	.		

** Primarily for National Weather Service (NWS) support; however, all stations report data to NWS.
 • Sensor/system failure

4. Automatic marine stations /4.3 United States of America (continued)

4.3.1 Moored Buoys (continued)

WMO buoy Identifier	ARGOS Identifier	Position: 6-13 May 1993		Observed or technical parameters									
		Latitude	Longitude	1	2	3	4	5	6	7	8		
42019		27.9 N	95.0 W	X	X	X		X	X	X			
42020		27.0 N	96.5 W	X	X	X		X	X	X			
42025		24.9 N	80.4 W	.	.	.		X	X	X			
42035**		29.2 N	94.6 W	X	X	X		X	X	X			
44004**		38.5 N	70.7 W	X	X	X		X	X	X			
44005**		42.6 N	68.6 W	*	*	X		X	X	X			
44007**		43.5 N	70.1 W	X	X	X		X	X	X			
44008**		40.5 N	69.4 W	X	X	X		X	X	X			
44011**		41.1 N	66.6 W	X	X	X		X	X	X			
44013**		42.4 N	70.8 W	X	X	X		X	X	X			
44014		36.6 N	74.8 W	X	X	X		X	X	X			
44025		40.3 N	73.2 W	X	X	X		X	X	X			
45001**		48.0 N	87.8 W	X	X	X		X	X	X			
45002**		45.3 N	86.4 W	X	X	X		X	X	X			
45003**		45.3 N	82.7 W	X	X	X		X	X	X			
45004**		47.5 N	86.5 W	X	X	X		X	X	X			
45005**		41.7 N	82.4 W	X	X	X		X	X	X			
45006**		47.3 N	89.9 W	X	X	X		X	X	X			
45007**		42.7 N	87.1 W	X	X	X		X	X	X			
45008**		44.3 N	82.4 W	*	*	*		*	*	*			
46001**		56.3 N	148.2 W	X	X	X		X	X	X			
46002**		42.5 N	130.3 W	X	X	X		X	X	X			
46003**		51.9 N	155.9 W	•	*	*		*	*	*			
46005**		46.1 N	131.0 W	•	*	*		*	*	*			
46006**		40.9 N	137.5 W	X	X	X		X	X	X			
46012		37.4 N	122.7 W	X	X	X		X	X	X			
46013		38.2 N	123.3 W	X	X	X		X	X	X			
46014		39.2 N	124.0 W	•	*	*		*	*	*			
46022		40.7 N	124.5 W	•	*	*		*	*	*			
46023		34.3 N	120.7 W	X	X	X		X	X	X			
46025		33.7 N	119.1 W	X	X	X		X	X	X			
46026**		37.7 N	122.7 W	X	X	X		X	X	X			
46027**		41.8 N	124.4 W	•	*	*		*	*	*			
46028		35.8 N	121.9 W	X	X	X		*	*	*			
46029**		46.2 N	124.2 W	•	*	*		*	*	*			
46030**		40.4 N	124.5 W	X	X	X		X	X	X			
46035		57.0 N	177.7 W	X	X	X		X	X	X			
46041		47.4 N	124.5 W	X	X	X		X	X	X			
46042		36.8 N	122.4 W	X	X	X		*	X	X			
46045		33.8 N	118.4 W	X	X	X		X	X	X			
46047		32.7 N	119.6 W	X	X	X		X	X	X			
46048		32.9 N	117.9 W	X	X	X		X	X	X			
46050		44.6 N	124.5 W	X	X	X		X	X	X			
46051		34.5 N	120.7 W	X	X	X		X	X	X			
51001**		23.4 N	162.3 W	X	X	X		X	X	X			
51002**		17.2 N	157.8 W	X	X	X		X	X	X			
51003**		19.3 N	160.8 W	X	X	X		X	X	X			
51004**		17.4 N	152.5 W	X	X	X		X	X	X			

** Primarily for National Weather Service (NWS) support; however, all stations report data to NWS.
 • Sensor/system failure

4. Automatic marine stations /4.3 United States of America (continued)

4.3.1 Moored Buoys (continued)

WMO buoy Identifier	ARGOS Identifier	Position: 6-13 May 1993		Observed or technical parameters									
		Latitude	Longitude	1	2	3	4	5	6	7	8		
51026		21.4 N	157.0 W	*	*	*		*	*	*			
52009		13.7 N	144.7 E	X	X	X		X	X	X			

4.3.2 Drifting Buoys

WMO buoy Identifier	ARGOS Identifier	Position: 12 May 1993		Observed or technical parameters									
		Latitude	Longitude	1	2	3	4	5	6	7	8		
16809	12314	39 °S	105 °E	.	X	*		X	.	.	.	.	.
16810	12309	60 °S	154 °E	.	X	*		X	.	.	.	.	.
17814	1968	48 °S	156 °E	.	X	X		X	.	.	.	.	.
17816	1992	29 °S	061 °W	.	X	X		X	.	.	.	.	.
17817	1986	34 °S	007 °E	.	*	X		X	.	.	.	.	.
33831	1967	31 °S	042 °E	.	X	X		*	.	.	.	.	.
33833	1974	33 °S	028 °W	.	X	X		X	.	.	.	.	.
33834	1979	33 °S	020 °W	.	X	X		X	.	.	.	.	.
33835	1987	58 °S	016 °W	.	X	X		X	.	.	.	.	.
53823	5131	08 °S	114 °E	.	*	X		*	.	.	.	.	.
53824	1989	14 °S	120 °E	.	X	X		X	.	.	.	.	.
54801	1973	30 °S	153 °W	.	X	X		X	.	.	.	.	.
54802	1993	34 °S	138 °W	.	X	X		X	.	.	.	.	.
54803	1975	42 °S	148 °W	.	X	X		X	.	.	.	.	.
54804	1970	42 °S	140 °W	.	X	X		X	.	.	.	.	.
54805	1985	41 °S	151 °W	.	X	X		X	.	.	.	.	.
54843	5134	49 °S	078 °W	.	X	X		X	.	.	.	.	.
54846	1969	53 °S	088 °W	.	X	X		X	.	.	.	.	.
56801	5130	28 °S	043 °E	.	X	X		X	.	.	.	.	.
56802	5119	09 °S	100 °E	.	X	X		X	.	.	.	.	.
56803	1994	23 °S	084 °E	.	X	X		X	.	.	.	.	.
56835	12291	30 °S	053 °E	.	X	X		X	.	.	.	.	.
56837	5116	06 °S	107 °E	.	*	X		*	.	.	.	.	.

4.4 Additional information on stations using DRIFTER code

A number of automatic land stations are interrogated through the Argos system and subsequently report, at the present time, on the GTS using the DRIFTER code. These stations all report atmospheric pressure (sometimes uncorrected) and occasionally wind speed and direction at non-standard heights.

In addition, a number of drifting and moored buoys also now report wind speed and direction from anemometers at non-standard heights.

The following tables provide information on these stations, prepared by the technical co-ordinator for the Data Buoy Co-operation Panel. The tables will in future be updated regularly.

4.4 Additional information on stations using DRIFTER code (continued)

4.4.1 Fixed stations

These stations report on GTS using the DRIFTER code. The altitude of the station above sea level is indicated under column Altit. If the pressure is reduced to sea level, RSLP is indicated in column Pres, otherwise P is indicated in column Pres.

If wind speed and/or wind direction is measured, it is indicated under columns Dir and Speed and the height of the anemometer is indicated under column Anemo/Hght.

• Australian Bureau Of Meteorology

Argos	WMO	Progr	Type	Dir	Speed	Lat	Lon	Anemo	Pres	Altit
04873	56001	00086	FS			53.027S	73.4E		RSLP	10m
?????	56003	00086	FS			53.027S	73.4E		RSLP	12m

• Norwegian Meteorological Institute

Argos	WMO	Progr	Type	Dir	Speed	Lat	Lon	Anemo	Pres	Altit
09400	63006	00154	FS	DIR	SPEED	78.231N	22.786E		RSLP	42m
09497	74002	09154	FS			72.117S	2.538W		P	1290m
09498	71003	09154	FS			79.000S	28.1W		P	930m

• Norwegian Polar Institute

Argos	WMO	Progr	Type	Dir	Speed	Lat	Lon	Anemo	Pres	Altit
01591	17001	00029	FS			54.408S	3.285E		RSLP	43.5m
01757	71001	00029	FS			68.763S	90.7W		RSLP	50.0m
01758	17003	00029	FS			54.41S	3.288E		RSLP	41.5m

• University of Helsinki

Argos	WMO	Progr	Type	Dir	Speed	Lat	Lon	Anemo	Pres	Altit
05895	71091	00815	FS	DIR	SPEED	73.000S	18.000W	3.9m	RSLP	36m

• Alfred Wegener Institute, Germany

Argos	WMO	Progr	Type	Dir	Speed	Lat	Lon	Anemo	Pres	Altit
03315	71524	00919	FS			77.085S	50.237W		RSLP	40m
03317	71042	00919	FS	DIR	SPEED	72.886S	19.035W	6m	RSLP	35m

4.4 Additional information on stations using DRIFTER code (continued)

4.4.2 Drifting Buoys

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 Height.

• Meteo France

Argos	WMO	Progr	Type	Dir	Speed	Height
10113	62518	00435	DB	DIR	SPEED	2.2m corrected to 10m
14415	52886	00435	DB	DIR	SPEED	2.2m corrected to 10m
14416	52887	00435	DB		SPEED	2.2m corrected to 10m

• New Zealand Meteorological Service

Argos	WMO	Progr	Type	Dir	Speed	Height
06439	55580	00476	DB		SPEED	1.5m
07177	55585	00476	DB	DIR		1.5m
07179	55583	00476	DB	DIR	SPEED	1.5m
08584	55587	00476	DB	DIR	SPEED	1.5m
08585	55588	00476	DB	DIR	SPEED	1.5m
08586	55589	00476	DB	DIR	SPEED	1.5m
08483	55590	00476	DB	DIR	SPEED	1.5m
08587	soon deployed		DB	DIR	SPEED	1.5m
06437	soon deployed		DB	DIR	SPEED	1.5m

• University of Hamburg

Argos	WMO	Progr	Type	Dir	Speed	Height
03331	63668	00636	DB	DIR	SPEED	2m
03332	63669	00636	DB	DIR	SPEED	2m
03334	63671	00636	DB	DIR	SPEED	2m

4.4 Additional information on stations using DRIFTER code (continued)

4.4.3 Moored Buoys

These moored buoys are reporting 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 column Height.

• LATEX, USA

Argos	WMO	Progr	Type	Dir	Speed	Lat	Lon	Height
00930	42027	01104	MB	DIR	SPEED	28.466N	92.036W	3.6m
00931	42030	01104	MB	DIR	SPEED	28.355N	93.956W	3.6m
00932	42028	01104	MB	DIR	SPEED	28.800N	90.954W	3.6m
00934	42029	01104	MB	DIR	SPEED	28.837N	94.080W	3.6m
00935	42033	01104	MB	DIR	SPEED	29.196N	91.965W	3.6m
00936	42031	01104	MB	DIR	SPEED	28.881N	95.037W	3.6m
00937	42026	01104	MB	DIR	SPEED	29.261N	94.064W	3.6m

• Woods Hole Oceanographic Institute, IMET

Argos	WMO	Progr	Type	Dir	Speed	Lat	Lon	Height
06865	13003	00709	MB	DIR	SPEED	25.525N	33.106W	2m
06869	13004	00709	MB	DIR	SPEED	33.025N	33.801W	2m
06873	13005	00709	MB	DIR	SPEED	32.435N	32.600W	2m

5. ARGOS Service5.1 *ARGOS monthly status report*

Date of statistics computation : 5 May 1993

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

Drifting Buoy	:	1103
Boat(<20knots)	:	28
Marine Station	:	4
Moored Buoy	:	309
Terrestrial Animal	:	147
Marine Animal	:	78
Balloons	:	6
Birds	:	33
Fixed Station	:	417
TOTAL :		2125

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 RTH Paris:

Drifting Buoy	:	102
Fixed Station	:	9
Marine Station	:	3
Moored Buoy	:	1

Transmission to NWS Washington:

Drifting Buoy	:	503
Fixed Station	:	5
High Speed	:	5
Moored Buoy	:	19

- List of platforms reporting through ARGOS and distributed over the GTS:

Operating country	WMO Identifier	ARGOS Identifier	CODE (GTS code used) B=BATHY/D=DRIFTER/ P=SHIP/S=SYNOF/ T=TESAC/U=BUFR/ H=HYDRA	NB_MESS Total No. of messages distributed on GTS	REJECTED Total No. of messages rejected by QC procedures and not distributed on GTS	EXIST Y=still on GTS N=No longer on GTS
Australia	52621	02937	D	246	18	Y
	55513	00421	D	114	14	Y
	55515	00415	D	56	4	Y
	55516	00417	D	259	10	Y
	55520	03042	D	79	43	Y
	56504	08036	D	311	31	Y
	56506	04875	D	231	39	Y
	56507	04876	D	354	26	Y
	56509	02938	D	371	41	Y
	56510	02939	D	406	38	N
	GYSA*	09189				
	S6FK*	09193				
	VJBQ*	09192				
	VJDI*	09188				
	VJDP*	09198				
	9VBZ*	09194				
	9VUU*	09190				
9VWM*	09191					
Canada	21551	01333	D	912	49	Y
	21553	01332	D	581	61	N
	42606	07183		0	873	Y
	44137	05579		0	589	Y
	44138	05577		0	629	Y
	44139	03448		0	611	Y
	44141	03449		0	601	Y
	44142	05578		0	530	Y

* PTT's transmitting at irregular intervals

5. ARGOS Service / 5.1 ARGOS monthly status report (continued)

Operating country	WMO Identifier	ARGOS Identifier	CODE (GTS code used) B=BATHY/D=DRIFTER/ P=SHIP/S=SYNOP/ T=TESAC/U=BUFR/ H=HYDRA	NB_MESS Total No. of messages distributed on GTS	REJECTED Total No. of messages rejected by QC procedures and not distributed on GTS	EXIST Y=still on GTS N=No longer on GTS
Canada (continued)	44645	01104	D	218	186	Y
	44682	00967	D	386	28	Y
	44683	00968	D	348	21	Y
	44684	00970	D	214	48	Y
	44685	00974	D	64	41	Y
	46004	07180		0	685	Y
	46036	05324		0	908	Y
	46145	07193		0	1097	Y
	46181	08676		0	862	Y
	46184	07182		0	786	Y
	46204	07197		0	942	Y
	46205	07196		0	1083	Y
	46207	07187		0	948	Y
	46208	07186		0	1024	Y
	46651	01318	D	111	178	Y
	Finland	10000	01384		0	429	N
71091		05895	D	713	104	Y
France	52580	17619	D	98	46	Y
	52584	17626	D	106	54	Y
	62503	05834	D	359	99	Y
	62507	05794	D	381	89	Y
	62516	10107	D	390	124	Y
	62517	10108	D	369	143	Y
	62518	10113	D	391	85	Y
	DIDA*	08749				
	ELEH4*	08747				
	ELIL9*	04719				
	ELIS8*	04705				
	FNDK*	08748				
	FNGS*	04707				
	FNQC*	04710				
	FNZP*	04723				
	GQEK*	04708				
	HPEW*	04703				
ZDAZ6*	04714					
Germany	63662	09360	D	780	257	Y
	63663	09372	D	950	215	Y
	63668	03331	D	15	29	Y
	63669	03332	D	731	214	Y

* PTT's transmitting at irregular intervals

5. ARGOS Service / 5.1 ARGOS monthly status report (continued)

Operating country	WMO Identifier	ARGOS Identifier	CODE (GTS code used) B=BATHY/D=DRIFTER/ P=SHIP/S=SYNOP/ T=TESAC/U=BUFR/ H=HYDRA	NB_MESS Total No. of messages distributed on GTS	REJECTED Total No. of messages rejected by QC procedures and not distributed on GTS	EXIST Y=still on GTS N=No longer on GTS
Germany (continued)	71042	03317	D	716	89	Y
	71524	03315	D	829	1	Y
	71551	09357	D	639	29	Y
	71552	09358	D	603	34	Y
	71553	09359	D	595	17	Y
	71554	09366	D	555	44	Y
	71555	09367		0	1	Y
	71556	09368	D	540	49	Y
	71557	09369	D	553	45	Y
Italy	63903	15910	D	136	26	N
	63904	15919	D	286	80	Y
	63905	15888	D	245	78	Y
	63906	15906	D	229	102	Y
	63907	15917	D	395	81	Y
	63909	05589	D	189	120	Y
	63910	05584	D	76	40	Y
	64144	15905	D	123	19	N
	64146	15911	D	318	46	Y
	64149	15916		0	1	Y
	64153	15922	D	171	17	N
	64629	15902	D	394	16	Y
	64631	15904	D	362	31	Y
	64634	15912	D	268	59	Y
	64635	15915	D	217	110	Y
	64638	15893	D	343	33	Y
	64639	15895	D	130	38	Y
	64640	15896	D	274	65	Y
	64642	15899	D	276	68	Y
	64645	15909	D	183	63	Y
	64648	15914	D	157	58	Y
	64651	15920	D	122	48	N
	64652	15921	D	226	80	Y
	64905	08633	D	414	22	Y
	64908	08639	D	343	37	Y
	64922	15925	D	197	24	Y
	64923	15926	D	306	59	Y
	64925	02459	D	81	56	Y
Netherlands	65596	04271	D	909	14	Y
Norway	17001	01591	D	304	174	Y
	25561	01556	D	981	238	Y
	26531	01791	D	1015	281	Y
	26532	01790	D	938	259	Y

5. ARGOS Service / 5.1 ARGOS monthly status report (continued)

Operating country	WMO Identifier	ARGOS Identifier	CODE (GTS code used) B=BATHY/D=DRIFTER/ P=SHIP/S=SYNOP/ T=TESAC/U=BUFR/ H=HYDRA	NB_MESS Total No. of messages distributed on GTS	REJECTED Total No. of messages rejected by QC procedures and not distributed on GTS	EXIST Y=still on GTS N=No longer on GTS
Norway (continued)	44766	03675	D	704	147	Y
	63006	09400	D	870	436	Y
	65591	06666		0	746	N
	71003	09498	D	642	180	Y
	71004	09499		0	827	N
	74002	09497	D	569	68	Y
New Zealand	55580	06439	D	301	16	Y
	55583	07179	D	344	16	Y
	55585	07177	D	276	14	Y
	55586	07176	D	158	35	Y
	55587	08584	D	304	22	Y
	55588	08585	D	301	46	Y
55589	08586	D	261	24	Y	
Republic of Korea	22607	11013	D	102	4	Y
South Africa**	17541	03522	D	226	16	Y
	17544	03523	D	259	42	Y
	17545	03524	D	404	39	Y
	17547	03521	D	306	38	Y
	17548	03520	D	277	43	Y
	17549	00945	D	294	30	Y
	17550	00946	D	221	24	Y
	17551	00954	D	307	19	Y
	17554	00955	D	133	66	Y
	17555	00950	D	10	5	Y
	17556	00952	D	371	27	Y
	17557	00948	D	270	44	Y
	17558	00959	D	115	5	Y
	17559	00961	D	98	5	Y
	33021	09222	D	612	17	Y
	33022	03513	D	457	54	Y
	United Kingdom	25562	01639	D	729	423	Y
44762		01253	D	590	33	Y
44764		01254	D	350	97	Y
44765		01255	D	322	128	Y
44768		06288	D	191	40	N
44770		06287	D	779	87	Y
44772		02960	D	835	21	Y
44773		04624	D	726	13	Y

** 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

5. ARGOS Service / 5.1 ARGOS monthly status report (continued)

Operating country	WMO Identifier	ARGOS Identifier	CODE (GTS code used) B=BATHY/D=DRIFTER/ P=SHIP/S=SYNOP/ T=TESAC/U=BUFR/ H=HYDRA	NB_MESS Total No. of messages distributed on GTS	REJECTED Total No. of messages rejected by QC procedures and not distributed on GTS	EXIST Y=still on GTS N=No longer on GTS	
United Kingdom (continued)	44774	02961	D	627	12	Y	
	44775	02962	D	648	11	Y	
	62601	08336	D	382	65	Y	
	62602	03909	D	422	52	Y	
	62606	03916	D	355	99	N	
	62694	02958	D	515	7	Y	
	62711	01258	D	954	13	Y	
	62713	01363	D	318	102	Y	
	62714	01364	D	372	107	Y	
	62805	06285	D	186	269	Y	
	64043	06270		0	70	Y	
	United States of America	12501	03753	D	186	15	Y
		12503	03754	D	187	15	Y
		12504	03755	D	173	25	Y
12505		03756	D	94	24	Y	
12508		03951	D	83	28	Y	
13003		06865	D	461	43	Y	
13004		06869	D	473	43	Y	
13005		06873	D	288	74	Y	
13902		14456	D	117	29	Y	
13903		01763	D	128	23	Y	
13904		14445	D	135	21	Y	
13905		14447	D	121	29	Y	
13906		05919	D	125	24	Y	
13907		14461	D	142	21	Y	
13909		08598	D	47	64	Y	
13910		14464	D	146	15	Y	
13911		14448	D	117	40	Y	
13912		14439	D	130	28	Y	
13913		14450	D	141	20	Y	
13914		14452	D	125	26	Y	
13915		14453	D	136	19	Y	
13917		02072	D	117	40	Y	
13919		14442	D	147	14	Y	
13922		02005	D	135	24	Y	
13923		02006	D	119	30	Y	
13924		14436	D	126	21	Y	
13925		14438	D	132	18	Y	
13926		02070	D	105	31	Y	
16807		05133		0	72	Y	
16809		12314	D	55	96	Y	
16810		12309	D	607	10	Y	
17809		05125	D	3	8	Y	
17812	01981		0	359	Y		
17814	01968	D	369	49	Y		
17815	01965	D	472	40	Y		
17816	01992	D	192	181	Y		

ANNEX I - GLOBAL OBSERVING SYSTEM

5. ARGOS Service / 5.1 ARGOS monthly status report (continued)

Operating country	WMO Identifier	ARGOS Identifier	CODE (GTS code used) B=BATHY/D=DRIFTER/ P=SHIP/S=SYNOP/ T=TESAC/U=BUFR/ H=HYDRA	NB_MESS Total No. of messages distributed on GTS	REJECTED Total No. of messages rejected by QC procedures and not distributed on GTS	EXIST Y=still on GTS N=No longer on GTS
United States of America (continued)	17817	01986	D	330	9	Y
	17825	05129	D	69	35	Y
	21431	02875	D	134	41	Y
	21432	01785	D	142	42	Y
	21432	02075	D	8	2	Y
	21433	15588	D	113	29	Y
	21434	15591	D	135	47	Y
	21436	00509	D	97	13	Y
	21438	02873	D	161	28	Y
	21439	02878	D	107	39	Y
	21440	02883	D	132	35	Y
	21441	08873	D	165	31	Y
	21442	00525	D	10	31	Y
	21522	15323	D	295	71	Y
	21523	15324	D	291	144	Y
	21524	15329	D	277	42	Y
	21526	01535	D	506	188	Y
	21527	15331	D	233	69	Y
	21533	15325	D	366	150	Y
	21535	16337		0	3	Y
	21572	01151	D	404	123	Y
	21573	04648	D	573	160	Y
	21576	15326	D	346	140	Y
	21578	15328	D	260	57	Y
	21901	15537	D	196	41	Y
	21902	15536	D	107	28	Y
	21904	14981	D	180	42	Y
	21906	00501		0	19	N
	21908	15572	D	210	31	Y
	21909	16191	D	90	31	Y
	21910	16192	D	172	43	Y
	21911	16194	D	194	29	Y
	21912	16213	D	152	60	Y
	21913	16214	D	220	31	Y
	21915	15574	D	134	45	Y
	21918	16210	D	266	14	Y
	21920	15583	D	173	29	Y
	21921	15584	D	120	49	Y
	21922	15586	D	167	48	Y
	21923	14980	D	151	40	Y
21924	15585	D	162	30	Y	
21925	02399	D	211	29	Y	
21926	15587	D	7	74	Y	
21927	16209	D	247	24	Y	
21928	16257	D	143	37	Y	
21929	01780	D	107	12	Y	
21930	02396	D	93	15	Y	
22901	00524	D	10	30	Y	

5. ARGOS Service / 5.1 ARGOS monthly status report (continued)

Operating country	WMO Identifier	ARGOS Identifier	CODE (GTS code used) B=BATHY/D=DRIFTER/ P=SHIP/S=SYNOP/ T=TESAC/U=BUFR/ H=HYDRA	NB_MESS Total No. of messages distributed on GTS	REJECTED Total No. of messages rejected by QC procedures and not distributed on GTS	EXIST Y=still on GTS N=No longer on GTS
United States of America (continued)	22902	14977	D	93	3	Y
	22904	00531	D	117	40	Y
	22905	00519	D	10	40	Y
	25537	08354	D	675	37	Y
	25538	08356	D	715	30	Y
	25539	08357	D	755	50	Y
	25540	08358	D	759	25	Y
	25541	08363	D	769	71	Y
	32513	11917	D	55	28	Y
	32514	11948	D	39	28	Y
	32515	15648	D	83	6	Y
	32516	11927	D	189	58	Y
	32517	15093	D	132	14	Y
	32518	15091	D	102	23	Y
	32519	11952	D	24	30	Y
	32520	15649	D	96	4	Y
	32522	15598	D	93	10	Y
	32523	00472	D	4	2	N
	32523	16254	D	57	6	Y
	32524	15695	D	78	9	Y
	32525	11953	D	19	29	Y
	32526	15696	D	63	23	Y
	32527	02398	D	74	12	Y
	32528	03048	D	81	2	Y
	32529	15028	D	80	14	Y
	32531	00153	D	115	33	Y
	32532	00473	D	62	25	Y
	32533	15017	D	96	13	Y
	32534	15018	D	88	7	Y
	32535	15025	D	92	7	Y
	32536	15026	D	77	5	Y
	32537	03225	D	75	17	Y
	32538	15602	D	25	4	Y
	32539	02884	D	71	4	Y
	32540	08879	D	78	23	Y
	32541	15595	D	87	7	Y
	32542	15596	D	82	8	Y
	32543	03567	D	72	18	Y
	32544	05912	D	7	0	Y
	32544	11908		0	4	N
	32545	15679	D	97	6	Y
	32546	02885	D	80	3	Y
	32547	15597	D	86	9	Y
	32548	15599	D	89	5	Y
	32549	11163	D	85	16	Y
	32550	04200	D	63	22	Y
	32551	15600	D	93	5	Y
32552	11195	D	82	29	Y	

ANNEX I - GLOBAL OBSERVING SYSTEM

5. ARGOS Service / 5.1 ARGOS monthly status report (continued)

Operating country	WMO Identifier	ARGOS Identifier	CODE (GTS code used) B=BATHY/D=DRIFTER/ P=SHIP/S=SYNOP/ T=TESAC/U=BUFR/ H=HYDRA	NB_MESS Total No. of messages distributed on GTS	REJECTED Total No. of messages rejected by QC procedures and not distributed on GTS	EXIST Y=still on GTS N=No longer on GTS
United States of America (continued)	32553	15603	D	93	3	Y
	32554	04201	D	50	33	Y
	32555	15625	D	101	4	Y
	32556	11934	D	28	28	Y
	32557	15626	D	100	5	Y
	32558	09276	D	107	4	Y
	32559	15627	D	94	5	Y
	32560	03252	D	77	11	Y
	32801	08874	D	6	1	Y
	32802	16278	D	4	2	Y
	32803	16284	D	6	1	Y
	32866	02400	D	42	4	Y
	32867	02872	D	39	4	Y
	32868	02896	D	38	3	Y
	32869	16252	D	42	7	Y
	32870	16259	D	46	8	Y
	32901	03565	D	62	17	Y
	32902	15045	D	82	6	Y
	32903	15050	D	96	7	Y
	32904	15128	D	92	6	Y
	32905	15684	D	88	9	Y
	32906	15685	D	90	4	Y
	32908	15687	D	62	20	Y
	32909	04204	D	69	18	Y
	32910	15540	D	95	9	Y
	32911	15541	D	83	5	Y
	32912	15542	D	85	12	Y
	32913	15546	D	80	7	Y
	32914	03568	D	91	31	Y
	32915	15048	D	83	7	Y
	32916	15545	D	92	10	Y
	32917	00474	D	58	9	Y
	32918	00483	D	58	18	Y
	32919	16272	D	77	36	Y
	32920	16275	D	88	25	Y
	33510	12308	D	101	8	Y
	33831	01967	D	292	21	Y
	33833	01974	D	313	14	Y
	33834	01979	D	314	17	Y
	33835	01987	D	610	11	Y
	33836	01988	D	323	18	Y
	33837	01991	D	214	217	N
34901	15123	D	83	11	Y	
34902	15125	D	73	7	Y	
41501	03955	D	67	7	Y	
41502	03956	D	12	62	Y	
41503	16344		0	35	Y	
41504	03957	D	68	6	Y	

5. ARGOS Service / 5.1 ARGOS monthly status report (continued)

Operating country	WMO Identifier	ARGOS Identifier	CODE (GTS code used) B=BATHY/D=DRIFTER/ P=SHIP/S=SYNOPI/ T=TESAC/U=BUFR/ H=HYDRA	NB_MESS Total No. of messages distributed on GTS	REJECTED Total No. of messages rejected by QC procedures and not distributed on GTS	EXIST Y=still on GTS N=No longer on GTS
United States of America (continued)	41505	03958	D	74	5	Y
	41505	16342		0	1	Y
	41506	15344	D	36	11	Y
	41520	15345	D	125	143	Y
	41521	05094	D	73	8	Y
	41522	01125	D	472	40	Y
	41523	01128	D	397	65	Y
	41524	05095	D	76	3	Y
	41525	15349		0	1	Y
	41901	12326	D	63	46	Y
	41902	08594	D	117	25	Y
	41903	08596	D	25	48	Y
	41904	08599	D	153	13	Y
	41906	12333	D	139	13	Y
	41907	12329	D	156	11	Y
	41908	12339	D	144	17	Y
	41909	00130	D	148	21	Y
	41910	12324	D	129	25	Y
	41911	12325	D	127	31	Y
	41912	02008	D	134	18	Y
	41913	12330	D	142	13	Y
	41914	12334	D	113	24	Y
	41915	12328	D	116	23	Y
	41916	12327	D	144	12	Y
	41917	12337	D	132	28	Y
	41918	12338	D	117	26	Y
	41919	01861	D	132	22	Y
	41920	01863	D	142	24	Y
	41921	03045	D	132	23	Y
	41922	00468	D	124	24	Y
	42026	00937	D	206	85	Y
	42027	00930	D	266	131	Y
	42028	00932	D	304	90	Y
	42029	00934	D	253	126	Y
	42030	00931	D	275	112	Y
	42031	00936	D	254	136	Y
	42033	00935	D	322	90	Y
	43501	00451	D	88	17	Y
	43503	15656	D	80	35	Y
	43504	11198	D	56	26	Y
	43505	15657	D	122	12	Y
	43508	15008	D	104	13	Y
43801	16287	D	7	2	Y	
44508	02579	D	601	91	Y	
44510	02585	D	493	30	Y	
44511	02580	D	190	75	Y	
44512	02584	D	192	66	Y	
44901	00486	D	3	1	Y	

ANNEX I - GLOBAL OBSERVING SYSTEM

5. ARGOS Service / 5.1 ARGOS monthly status report (continued)

Operating country	WMO Identifier	ARGOS Identifier	CODE (GTS code used) B=BATHY/D=DRIFTER/ P=SHIP/S=SYNOF/ T=TESAC/U=BUFR/ H=HYDRA	NB_MESS Total No. of messages distributed on GTS	REJECTED Total No. of messages rejected by QC procedures and not distributed on GTS	EXIST Y=still on GTS N=No longer on GTS
United States of America (continued)	44905	12335	D	127	29	Y
	44906	12332	D	33	48	Y
	44907	01866	D	91	9	Y
	44908	01867	D	145	23	Y
	45136	03477		0	44	Y
	46508	01146	D	493	256	Y
	46509	04649	D	545	192	Y
	46513	16364	D	465	172	Y
	46514	16365	D	476	126	Y
	46515	16375	D	437	86	Y
	46525	14605	D	93	197	Y
	46533	15619		0	4	Y
	46535	02009	D	158	58	Y
	46536	15609	D	100	28	Y
	46537	15612	D	138	15	Y
	46538	15579	D	141	70	Y
	46539	15622	D	180	41	Y
	46540	15577	D	66	89	Y
	46541	15643	D	110	43	Y
	46545	15589	D	186	36	Y
	46547	15070	D	1	30	Y
	46548	15580	D	211	35	Y
	46549	15076	D	145	28	Y
	46550	01135	D	120	11	Y
	46901	15655	D	91	42	Y
	46903	15566	D	109	62	Y
	46904	15573	D	232	23	Y
	46906	15582	D	155	40	Y
	46907	15578	D	177	51	Y
	46908	02889	D	115	39	Y
	46909	01766	D	250	33	Y
	46911	17232	D	122	32	Y
	46912	17233	D	135	36	Y
	47601	12823	D	699	124	Y
	48518	08361	D	665	52	Y
	48519	08362	D	738	53	Y
	48520	12801		0	778	Y
	48557	08364	D	454	49	Y
	48558	12821	D	631	87	Y
	48559	12822	D	750	106	Y
	48561	08365	D	800	59	Y
	48562	12826	D	800	84	Y
	48564	12828	D	760	88	Y
	48565	12829	D	761	72	Y
51025	12878		0	410	Y	
51501	16366	D	217	20	Y	
51508	16369	D	231	35	Y	
51509	16370	D	263	65	Y	

5. ARGOS Service / 5.1 ARGOS monthly status report (continued)

Operating country	WMO Identifier	ARGOS Identifier	CODE (GTS code used) B=BATHY/D=DRIFTER/ P=SHIP/S=SYNOPT/ T=TESAC/U=BUFR/ H=HYDRA	NB_MESS Total No. of messages distributed on GTS	REJECTED Total No. of messages rejected by QC procedures and not distributed on GTS	EXIST Y=still on GTS N=No longer on GTS
United States of America (continued)	51511	03376	D	95	30	Y
	51512	15089	D	97	29	Y
	51514	02433	D	67	13	Y
	51515	14432	D	96	9	Y
	51516	11949	D	102	42	Y
	51518	15077	D	132	35	Y
	51519	02437	D	13	33	Y
	51520	03117	D	35	33	Y
	51801	14433	D	179	46	Y
	51802	02434	D	68	8	Y
	51803	03049	D	143	43	Y
	51804	14434	D	155	57	Y
	51806	03378	D	74	11	Y
	51807	03379	D	50	28	Y
	51808	02435	D	92	22	Y
	51809	14435	D	142	21	Y
	51810	11956	D	78	38	Y
	51811	15653	D	108	30	Y
	51812	15654	D	91	19	N
	51814	11946	D	70	15	Y
	51815	03222	D	65	24	Y
	51816	01762	D	105	10	Y
	51817	15617	D	101	63	Y
	51818	03467	D	63	24	Y
	51819	01784	D	69	48	N
	51820	03468	D	64	25	Y
	51821	11690	D	269	19	Y
	51822	03570	D	71	14	Y
	51823	03223	D	39	23	Y
	51824	02436	D	36	26	Y
	51826	03119	D	51	17	Y
	51827	03572	D	73	21	Y
	51829	01772	D	111	19	Y
	51830	15088	D	123	16	Y
	51831	02074	D	131	39	Y
	51832	11955	D	47	30	Y
	51834	11957	D	4	0	Y
	51835	09271	D	89	3	Y
	51836	09270	D	132	35	Y
	51838	03170	D	70	12	Y
	51839	03173	D	22	32	N
	51840	15090	D	157	28	Y
	51841	11950	D	95	14	Y
	51843	03375	D	35	39	Y
	51847	15027	D	84	5	Y
	51848	15009	D	119	18	Y
	51856	15082	D	91	8	Y
51861	15099	D	88	5	Y	

5. ARGOS Service / 5.1 ARGOS monthly status report (continued)

Operating country	WMO Identifier	ARGOS Identifier	CODE (GTS code used) B=BATHY/D=DRIFTER/ P=SHIP/S=SYNOPT/ T=TESAC/U=BUFR/ H=HYDRA	NB_MESS Total No. of messages distributed on GTS	REJECTED Total No. of messages rejected by QC procedures and not distributed on GTS	EXIST Y=still on GTS N=No longer on GTS
United States of America (continued)	51865	15638	D	108	56	Y
	51866	15644	D	109	87	Y
	51867	15645	D	116	34	Y
	51869	11674	D	232	22	Y
	51871	15646	D	106	22	Y
	51878	15072	D	109	21	Y
	51885	15086	D	162	43	Y
	51901	15658		0	7	N
	51902	15671	D	128	10	Y
	51905	15674	D	98	19	Y
	52506	15031	D	95	23	Y
	52507	15394	D	65	23	Y
	52508	15104	D	84	7	Y
	52510	11939	D	52	17	Y
	52511	16199	D	91	9	Y
	52512	15023	D	95	27	Y
	52513	16226	D	62	17	Y
	52515	16228	D	79	11	Y
	52517	15390	D	84	22	Y
	52518	15114	D	93	7	Y
	52522	01143	D	274	35	Y
	52523	01144	D	256	24	Y
	52524	01145	D	251	24	Y
	52540	16319		0	1	Y
	52616	15021	D	83	6	Y
	52801	15035	D	108	13	Y
	52803	15029	D	133	19	Y
	52804	16202	D	84	14	Y
	52805	15012	D	87	21	Y
	52806	16229	D	75	12	Y
	52807	16232	D	76	9	Y
	52808	15666	D	79	12	Y
	52810	15701	D	162	38	Y
	52811	16206	D	79	13	Y
	52812	15126	D	91	6	Y
	52813	15103	D	83	13	Y
	52814	00457	D	40	6	Y
	52815	15660	D	88	7	Y
	52817	15553	D	81	6	Y
	52818	15670	D	89	8	Y
	52826	15668		0	81	Y
	52827	16200	D	85	28	Y
	52828	15669	D	85	10	Y
52829	00458	D	48	5	Y	
52830	16196	D	94	12	Y	
52831	16204	D	82	19	Y	
52833	01215	D	77	11	Y	
52834	16195	D	75	13	Y	

5. ARGOS Service / 5.1 ARGOS monthly status report (continued)

Operating country	WMO Identifier	ARGOS Identifier	CODE (GTS code used) B=BATHY/D=DRIFTER/ P=SHIP/S=SYNOPT/ T=TESAC/U=BUFR/ H=HYDRA	NB_MESS Total No. of messages distributed on GTS	REJECTED Total No. of messages rejected by QC procedures and not distributed on GTS	EXIST Y=still on GTS N=No longer on GTS
United States of America (continued)	52835	15548	D	101	11	Y
	52836	15549	D	93	4	Y
	52837	16198	D	81	7	Y
	52838	15556	D	87	15	Y
	52839	16203	D	89	13	Y
	52840	03046	D	95	14	Y
	52841	16205	D	78	13	Y
	52842	16253	D	84	7	Y
	52843	15558	D	81	13	Y
	52844	15559	D	85	6	Y
	52845	15561	D	83	15	Y
	52846	15391	D	71	12	Y
	52847	15392	D	73	23	Y
	52848	15560	D	82	6	Y
	52849	16211	D	76	13	Y
	52850	16234	D	74	9	Y
	52851	16238	D	75	10	Y
	52852	16239	D	67	16	Y
	52853	00459	D	45	6	Y
	52853	15393	D	23	3	N
	52854	16235	D	75	10	Y
	52855	16237	D	69	26	Y
	52856	16241	D	78	8	Y
	52857	16242	D	41	24	N
	52858	16243	D	75	11	Y
	52859	16244	D	79	12	Y
	52860	16245	D	81	19	Y
	52861	16246	D	71	15	Y
	52862	16247	D	73	14	Y
	52863	16248	D	78	17	Y
	52864	16249	D	77	12	Y
	52865	16250	D	72	23	Y
	52866	16227	D	62	14	Y
	52867	16230	D	70	5	Y
	52868	00460	D	51	9	Y
	52868	16231	D	25	4	Y
	52869	16207	D	72	7	Y
	52870	00461	D	49	6	Y
	52871	16208	D	43	12	Y
	52872	11890		0	1	Y
	52873	16231	D	54	8	Y
	53803	00517	D	17	6	N
	53823	05131	D	214	22	Y
	53824	01989	D	261	8	Y
	53901	14983	D	9	0	Y
	54801	01973	D	299	19	Y
	54802	01993	D	304	20	Y
54803	01975	D	363	21	Y	

5. ARGOS Service / 5.1 ARGOS monthly status report (continued)

Operating country	WMO Identifier	ARGOS Identifier	CODE (GTS code used) B=BATHY/D=DRIFTER/ P=SHIP/S=SYNOPT/ T=TESAC/U=BUFR/ H=HYDRA	NB_MESS Total No. of messages distributed on GTS	REJECTED Total No. of messages rejected by QC procedures and not distributed on GTS	EXIST Y=still on GTS N=No longer on GTS
United States of America (continued)	54804	01970	D	348	29	Y
	54805	01985	D	359	18	Y
	54829	06762		0	32	Y
	54838	08823	D	81	11	Y
	54843	05134	D	382	34	Y
	54846	01969	D	290	79	Y
	54901	15049	D	92	17	Y
	54902	15115	D	91	25	Y
	54903	15118	D	105	7	Y
	54904	15020	D	94	9	Y
	54905	15024	D	101	7	Y
	54906	15539	D	94	10	Y
	54907	15044	D	96	8	Y
	54908	15129	D	102	4	Y
	54909	15120	D	100	8	Y
	54910	15033	D	92	14	Y
	54911	15036	D	95	4	Y
	54912	15101	D	92	22	Y
	54914	15119	D	104	22	Y
	54915	15678	D	96	11	Y
	54916	15630	D	90	11	Y
	54917	15631	D	88	13	Y
	54918	15632	D	94	7	Y
	54919	15634	D	33	11	N
	54920	03047	D	72	8	Y
	54921	15675	D	98	7	Y
	54922	15682	D	97	17	Y
	54923	15683	D	76	29	Y
	54924	15693	D	97	9	Y
	54925	15694	D	64	36	Y
	54926	15676	D	91	15	Y
	54927	15538	D	104	7	Y
	54928	15692	D	96	15	Y
	54929	15681	D	107	7	Y
	54930	15690	D	109	15	Y
	54931	15543	D	96	7	Y
	54932	15547	D	93	10	Y
	54933	15544	D	101	7	Y
	54934	01768	D	98	8	Y
	55601	01123	D	6	3	Y
	55901	15557	D	89	20	Y
	56801	05130	D	273	18	Y
56802	05119	D	253	14	Y	
56803	01994	D	274	11	Y	
56835	12291	D	300	8	Y	
56837	05116	D	119	42	Y	
56839	05124	D	145	8	Y	
56840	12292	D	59	4	Y	

5. ARGOS Service / 5.1 ARGOS monthly status report (continued)

Operating country	WMO Identifier	ARGOS Identifier	CODE: (GTS code used) B=BATHY/D=DRIFTER/ P=SHIP/S=SYNOP/ T=TESAC/U=BUFR/ H=HYDRA	NB_MESS Total No. of messages distributed on GTS	REJECTED Total No. of messages rejected by QC procedures and not distributed on GTS	EXIST Y=still on GTS N=No longer on GTS	
United States of America (continued)	61521	15320	D	326	108	Y	
	61522	16380		0	2	Y	
	61523	15352	D	232	33	Y	
	61524	15353	D	196	41	Y	
	61525	15354	D	225	35	Y	
	61526	16304	D	220	28	Y	
	61527	03749	D	194	41	Y	
	61530	03752	D	186	36	Y	
	61531	15322	D	270	26	Y	
	61532	16376	D	216	95	Y	
	61533	16382	D	290	55	Y	
	61534	16362	D	6	175	Y	
	61538	16374	D	310	125	Y	
	62426	02078	D	259	40	Y	
	62427	02079	D	203	34	Y	
	62428	02401	D	134	23	Y	
	62429	02892	D	126	33	Y	
	62430	02002	D	229	44	Y	
	62431	00476	D	199	24	Y	
	62432	02003	D	209	34	Y	
	62433	00456	D	127	30	Y	
	62673	01131	D	17	555	Y	
	62674	01132	D	449	96	N	
	62675	01129	D	64	594	Y	
	62901	15569	D	113	37	Y	
	62903	15571	D	127	26	Y	
	62904	01862	D	234	34	Y	
	62907	08591	D	94	39	Y	
	62908	01868	D	130	31	Y	
	62909	01869	D	140	32	Y	
	62910	01865	D	132	26	Y	
	64429	01860	D	286	57	Y	
	64430	00455	D	256	35	Y	
	64431	00467	D	254	63	Y	
	91251	12873		0	321	Y	
	91353	12872		0	296	Y	
	KOSP2	12891			0	295	Y
	TOTAL:				118345		

8. 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 NEWSLETTER" 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 (see Appendix, pages 1 and 2) 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.

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 TTAAiiCCCC	Implementation of observing programme								Alternate observing station	Remarks
		00	03	06	09	12	15	18	21		
1. SYNOP											
1. TEMP											
1. PILOT											

EXPLANATORY NOTES

**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 (IIiii) 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 (Iii) 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 NEWSLETTER", as appropriate.

C. INFORMATION ON THE OPERATION OF THE GTS

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

2.2 Deleted transmissions/broadcasts

VI-iii Prague - Komorany radio-facsimile broadcast effective 1.8.93

2.3 Changes in schedules/technical specifications

• Notification from the United Kingdom of Great Britain and Northern Ireland

That the United Kingdom Meteorological Office has recently reviewed the radio facsimile and radio teleprinter services operated by RTH Bracknell. These services are costly to run and so the needs of users (where known) and alternative means of meeting agreed requirements were examined.

The conclusions of the review are summarised as follows.

- a. The radio teleprinter broadcast GFL contains a selection of bulletins of coded data. The United Kingdom continues for the time being to have a national requirement for this service, but when the United Kingdom requirement ceases there will be no source of funding to continue the transmission. Any National Meteorological Service which depends upon GFL should consider developing other means of receiving these bulletins. It would be helpful if any NMS in Bracknell, at the address below.
- b. The radio facsimile broadcast GFA contains products mainly for maritime users. There is a continuing need for products to support maritime users, but the present schedule of GFA exceeds the requirement and should therefore be revised.
- c. The radio facsimile broadcast GFE contains products mainly for aviation users. ICAO's current requirement is for product dissemination via satellite and discussions are at an advanced stage on how such a service might be operated by Bracknell. In the mean time, aviation products will continue to be broadcast by radio, but GFE will be combined with GFA to reduce costs. The merged broadcast, known as GFA, with the revised schedule is planned to operate from 0001Z 1 September 1993.

The intention to merge GFE with GFA was discussed at the meeting of the Working Group on Planning and Implementation of World Weather Watch in Region VI, held in Geneva in January 1993. At that time it was thought that GFL might cease entirely in the near future, but the situation is now as given above. The meeting agreed that notification should be given to National Meteorological Services through this newsletter and also broadcast on the three radio services, particularly to ensure that end-users are made aware of the changes.

NMS's who may be affected by any of the proposed changes are invited to write to the address below with any comments or queries.

Director, Telecommunications,
Room R306,
Meteorological Office HQ,
London Road,
Bracknell, Berks,
RG12 2SZ
United Kingdom

Telex: 849801
Fax: +44 344 856099

◆ **ANNEX V - MARINE METEOROLOGICAL SERVICES (MMS)
AND RELATED OCEANOGRAPHIC ACTIVITIES**

C. INFORMATION ON THE OPERATION OF MARINE METEOROLOGICAL SERVICES

1. Broadcast for shipping and other marine activities (Publication No. 9, Volume D, Part A)

1.2 Deleted transmissions/broadcasts

Ajii-VI Prague - Komorany radio-facsimile broadcast effective 1.8.93

1.3 Changes in schedules/technical specifications

• **Notification from the United Kingdom of Great Britain and Northern Ireland**

See under Annex III - Global Telecommunication System, C. 2.3.

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