



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

SECRETARIAT  
 GENÈVE - Suisse

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

W/OIS

GENEVA, 29 January 1993

Annexes: 3

Subject: Monthly letter on the operation of the World Weather Watch (WWW) and Marine Meteorological Services (MMS) – January 1993

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**

**A. GOS regulatory or guidance material**

1. Changes in the allocation of stations index numbers

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

1. Publication No. 9, Volume A - Stations

- 1.2 Deleted stations
- 1.3 Changes to existing stations

4. Automatic marine stations

- 4.1 Canada
  - 4.1.1 Moored Buoys
  - 4.1.2 Drifting Buoys

To: Permanent Representatives (or Directors of Meteorological or Hydro-meteorological Services) of Members of WMO (PR-4831)  
 Directors of Meteorological Services of non-Member countries (MC-2476)  
 Presidents and Vice-Presidents of Regional Associations (P.RA-1319)  
 Presidents and Vice-Presidents of Technical Commissions (P.TC-1435)  
 Chairmen of CBS Working Groups  
 Secretary-General of ICAO  
 Director-General of IATA  
 Secretary of IOC  
 Director-General of ASECNA  
 Director of ECMWF

**ANNEX I – Global Observing System (cont.)**

4. Automatic marine stations (cont.)
  - 4.2 United States of America
    - 4.2.1 Moored Buoys
    - 4.2.2 Drifting Buoys
  - 4.3 France
5. ARGOS service
  - 5.1 ARGOS monthly status report
7. Feed-back from Members to the Secretariat on any changes in the observing network

**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)
    - 1.5 Bulletins for oceanographic data
  4. Regional telecommunication network

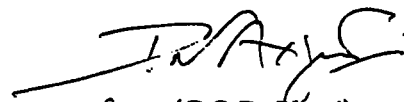
**ANNEX V – Marine Meteorological Services (MMS)  
and related oceanographic activities**

- 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

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 7, "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,

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

# ANNEX I - Global Observing System

Date: January 1993

## A. GOS regulatory or guidance material

### 1. Changes in the allocation of station index numbers

The President of Regional Association VI has approved the following changes in the allocation of index numbers within block 04:

04000-04199 Iceland  
 04200-04499 Greenland  
 04500-04999 reserved

The new allocation will become effective on 1 July 1993.

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

### 1. Publication No. 9, Volume A - Stations

#### 1.2 Deleted stations

Index No.	Name
06150	AVNOE
93350	MAGAWEKA, ARAROA
93865	GORE

#### 1.3 Changes to existing stations

Index No.	Name	Surface observations								Obs. H	Upper-air				Re-marks
		00	03	06	09	12	15	18	21	Obs. S	00	06	12	18	
41256	SEEB INTERNATIONAL AIRPORT	X	X	X	X	X	X	X	X		RW	.	RW	.	
62387	MINYA	X	X	X	X	X	X	X	X	H00-24	P	.	P	.	

## 4. Automatic marine stations

### 4.1 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 Canada (continued)

### 4.1.1 Moored Buoys

#### • North-east Pacific Ocean:

WMO buoy Identifier	ARGOS Identifier	Position: 1 December 1992		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	X	.
46145	08676	54°23'N	132°26'W	X	X	X	X	X	X	X	X	.
46181	07185	53°49'N	128°51'W	X	X	X	X	X	X	X	X	.
46183	07192	53°37'N	131°06'W	X	X	X	X	X	X	X	X	.
46184	07182	53°56'N	138°48'W	X	X	X	X	X	X	X	X	.
46185	07187	52°25'N	129°48'W	X	X	X	X	X	X	X	X	.
46204	07195	51°23'N	128°45'W	X	X	X	X	X	X	X	X	.
46205	07196	54°10'N	134°20'W	X	X	X	X	X	X	X	X	.
46206	07193	48°50'N	126°00'W	X	X	X	X	X	X	X	X	.
46207	08677	50°52'N	129°55'W	X	X	X	X	X	X	X	X	.
46208	07194	52°30'N	132°42'W	X	X	X	X	X	X	X	X	.
46036*	05324	48°18'N	133°51'W	X	X	X	X	X	X	X	X	.
46146	N/A	49°20'N	123°44'W	X	X	X	X	X	X	X	X	.
46131	08678	49°54'N	124°59'W	X	X	X	X	X	X	X	X	.

#### • North-west Atlantic Ocean:

WMO buoy Identifier	ARGOS Identifier	Position: 1 December 1992		Observed or technical parameters								
		Latitude	Longitude	1	2	3	4	5	6	7	8	
44131	03479	46°03'N	60°42'W	X	X	X	X	X	X	X	X	.
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	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	X	.

#### • Great Lakes:

WMO buoy Identifier	ARGOS Identifier	Position: 1 December 1992		Observed or technical parameters								
		Latitude	Longitude	1	2	3	4	5	6	7	8	
45135#	N/A	44°42'N	75°32'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	.
45132#	N/A	42°06'N	83°07'W	X	X	X	X	X	X	X	X	.
45139+	N/A											.
45136+	03477											.
45138#	08249											.
45141+	N/A											.

- Buoy adrift
- # Relocated for winter
- + Removed from service for winter

### 4.1.2 Drifting Buoys

• North-east Pacific Ocean:

WMO buoy Identifier	ARGOS Identifier	Position: 10 December 1992		Observed or technical parameters							
		Latitude	Longitude	1	2	3	4	5	6	7	8
46631	12510	51°24'N	157°24'W	.	X	X	X	X	.	.	X
46633	12512	48°54'N	150°42'W	.	X	X	X	X	.	.	X
46640	12519	50°36'N	168°48'W	.	X	X	X	X	.	.	X
46642	12521	46°36'N	162°30'W	.	X	X	X	X	.	.	X
46682	07136	43°48'N	139°06'W	.	X	X	X	X	.	.	X
46684	07137	43°42'N	131°12'W	.	X	.	X	X	.	.	X
46687	07138	31°06'N	154°42'W	.	X	X	X	X	.	.	X
46704	07128	30°42'N	139°42'W	.	X	X	X	X	.	.	X
46706	07130	28°42'N	140°54'W	.	X	X	X	X	.	.	X
46708	07132	56°42'N	137°06'W	.	X	X	X	X	.	.	X
46655	07142	52°00'N	134°54'W	.	X	X	X	X	.	.	X
46656	07143	55°18'N	145°36'W	.	X	X	X	X	.	.	X
46657	07145	43°12'N	146°12'W	.	X	X	X	X	.	.	X
46699	07146	57°06'N	141°30'W	.	X	X	X	X	.	.	X

• Arctic Icepack:

WMO buoy Identifier	ARGOS Identifier	Position: 17 December 1992		Observed or technical parameters							
		Latitude	Longitude	1	2	3	4	5	6	7	8
47532	05313	82°06'N	102°30'W	.	X	X	.	.	.	.	.
48526	05314	74°54'N	140°48'W	.	X	X	.	.	.	.	.
48567	01837	74°30'N	155°18'W	.	.	X	.	.	.	.	.
48568	07100	74°00'N	150°12'W	.	.	X	.	.	.	.	.

## 4.2 United States of America

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

<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

### 4.2.1 Moored Buoys

WMO buoy Identifier	ARGOS Identifier	Position: 14-21 January 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**		34.9 N	73.0 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	*	*	
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	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	

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

## 4.2.1 Moored Buoys (continued)

WMO buoy Identifier	ARGOS Identifier	Position: 14-21 January 1993		Observed or technical parameters									
		Latitude	Longitude	1	2	3	4	5	6	7	8		
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	.	.			
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			
44004**		38.5 N	70.7 W	X	X	X		X	X	X			
44005**		42.6 N	68.6 W	X	X	X		X	X	X			
44007**		43.5 N	70.1 W	*	*	*		*	*	*			
44008**		40.5 N	69.4 W	*	*	*		*	*	*			
44011**		41.1 N	66.6 W	*	*	*		*	*	*			
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	X	X	X		X	X	X			
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	X	X	X		X	X	X			
46005**		46.1 N	131.0 W	X	X	X		X	X	X			
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	X	X	X		X	X	X			
46022		40.7 N	124.5 W	X	X	X		X	X	X			
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	.	X	X		X	X	X			
46028		35.8 N	121.9 W	X	X	X		*	*	*			
46029**		46.2 N	124.2 W	X	X	X		X	X	X			
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			
51026		21.4 N	157.0 W	X	X	X		X	X	X			
52009		13.7 N	144.7 E	X	*	X		X	X	X			

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

### 4.2.2 Drifting Buoys

WMO buoy Identifier	ARGOS Identifier	Position: 19-21 January 1993		Observed or technical parameters								
		Latitude	Longitude	1	2	3	4	5	6	7	8	
16807	05133	61 °S	160 °W	.	X	*		X	.	.	.	.
16809	12314	42 °S	091 °E	.	X	*		X	.	.	.	.
16810	12309	55 °S	118 °E	.	X	*		X	.	.	.	.
17809	05125	30 °S	060 °E	.	X	X		X	.	.	.	.
17812	01981	56 °S	102 °E	.	X	*		X	.	.	.	.
17814	01968	47 °S	128 °E	.	X	X		X	.	.	.	.
17825	05129	34 °S	076 °E	.	X	X		X	.	.	.	.
33510	12308	28 °S	104 °E	.	X	X		X	.	.	.	.
33831	01967	40 °S	046 °E	.	X	X		*	.	.	.	.
53823	05131	08 °S	114 °E	.	*	X		*	.	.	.	.
54801	01973	32 °S	148 °W	.	X	X		X	.	.	.	.
54802	01993	34 °S	139 °W	.	X	X		X	.	.	.	X
54803	01975	44 °S	149 °W	.	X	X		X	.	.	.	.
54804	01970	45 °S	145 °W	.	X	X		X	.	.	.	.
54805	01985	42 °S	155 °W	.	X	X		X	.	.	.	.
54838	08823	41 °S	121 °W	.	X	X		X	.	.	.	.
54843	05134	47 °S	094 °W	.	X	X		X	.	.	.	.
54844	05123	49 °S	083 °W	.	X	X		X	.	.	.	.
56801	05130	15 °S	068 °E	.	X	X		X	.	.	.	.
56802	05119	08 °S	100 °E	.	X	X		X	.	.	.	.
56835	12291	24 °S	063 °E	.	X	X		X	.	.	.	.
56836	12293	20 °S	089 °E	.	X	X		X	.	.	.	.
56837	05116	06 °S	107 °E	.	*	X		*	.	.	.	.
56838	12294	13 °S	045 °E	.	*	X		*	.	.	.	.
56839	05124	20 °S	059 °E	.	X	X		X	.	.	.	.
56840	12292	53 °S	142 °E	.	*	X		X	.	.	.	.

### 4.3 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		

### 4.3.2 Drifting Buoys

WMO buoy Identifier	ARGOS Identifier	Position: 20 January 1993		Observed or technical parameters									
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	
52571	02684	0°09 'S	177°27 'W	.	.	.	.	X	.	.	.	.	X
52575	17618	2°34 'S	166°23 'E	.	.	.	.	X	.	.	.	.	.
52576	17623	5°33 'N	156°18 'E	.	.	.	.	X	.	.	.	.	.
52577	17624	6°42 'N	155°52 'E	.	.	.	.	X	.	.	.	.	.
52578	17625	1°31 'S	158°20 'E	.	.	.	.	X	.	.	.	.	.
52579	17629	1°53 'S	162°40 'E	.	.	.	.	X	.	.	.	.	.
52580	17619	4°09 'N	154°30 'E	.	.	.	.	X	.	.	.	.	.
52581	17620	0°36 'S	157°26 'E	.	.	.	.	X	.	.	.	.	.

\* Sensor/system failure.

### 4.3.2 Drifting Buoys (continued)

WMO buoy Identifier	ARGOS Identifier	Position: 20 January 1993		Observed or technical parameters										
		Latitude	Longitude	1	2	3	4	5	6	7	8	9		
52582	17627	3°14 'S	157°30 'E	.	.	.	.	X						
52583	17621	1°00 'S	155°54 'E	.	.	.	.	X						
52584	17626	1°05 'N	155°33 'E	.	.	.	.	X						
52585	17628	2°29 'S	156°06 'E	.	.	.	.	X						
52885	14414	2°00 'S	160°27 'E	X	.	X	.	X						
52887	14416	2°14 'S	160°05 'E	X	.	X	.	X						
52889	02678	10°00 'N	171°38 'W	.	.	.	.	X						
52890	02679	9°54 'N	166°29 'W	.	.	.	.	X						
52891	02676	2°44 'S	176°53 'E	.	.	.	.	X						
52893	02680	3°26 'S	176°32 'E	.	.	.	.	X						
52895	02682	4°53 'S	151°11 'E	.	.	.	.	*						
62501	10115	33°18 'N	15°46 'W	.	.	X	X	X						
62503	05834	42°07 'N	12°50 'W	.	.	X	X	X						
62504	05825	38°46 'N	11°14 'W	.	.	X	X	X						
62506	10119	28°17 'N	25°57 'W	.	.	X	.	X						
62507	05794	46°22 'N	5°59 'W	.	X	X	X	.						
62508	15499	30°05 'N	28°21 'W	X	.	X	.	X						
62509	10121	29°42 'N	24°18 'W	*	.	.	.	*						
62511	01354	45°10 'N	11°23 'W	.	.	X	.	X						
62512	01355	45°37 'N	6°51 'W	.	*	.	*	.						
62513	01356	45°55 'N	4°15 'W	.	.	X	.	X						
62515	10109	46°16 'N	5°12 'W	X	.	X	.	X						

\* Sensor/system failure

## 5. ARGOS service

### 5.1 ARGOS monthly status report

As at 2 January 1993 the ARGOS service was handling reports from 1012 drifting buoys, 269 moored buoys, 124 balloons, 27 ships, 193 animal trackings, 487 fixed stations, 74 boats and 8 miscellaneous platforms. DRIFTER reports from 106 drifting buoys and BATHY reports from 23 selected ships were transmitted to the RTH Paris and DRIFTER reports from 552 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:

Operating country	WMO Identifier/ Call sign	ARGOS Identifier
Australia	52621	02937
	55512	00416
	55513	00421
	55515	00415
	55516	00417
	56001	04873
	56504	08036
	56506	04875
	56507	04876
	56509	02938
	56510	02939
	GYRW*	09197

Operating country	WMO Identifier/ Call sign	ARGOS Identifier
Australia (continued)	GYSE*	09199
	S6FK*	09193
	VJBQ*	09192
	VJDP*	09198
	9VUU*	09190
9VWM*	09191	
Canada	21551	01333
	21553	01332
	42606	07183
	44137	05579

\* PTTs transmitting at irregular intervals



## 5.1 ARGOS monthly status report (continued)

Operating country	WMO Identifier/ Call sign	ARGOS Identifier	Operating country	WMO Identifier/ Call sign	ARGOS Identifier	
Canada (continued)	44138	05577	Italy	63901	08335	
	44139	03448		63903	15910	
	44141	03449		63904	15919	
	44142	05578		63905	15888	
	46004	07180		63908	15923	
	46145	07193		64629	15902	
	46181	08676		64630	15903	
	46204	07197		64631	15904	
	46205	07196		64634	15912	
	46207	07187		64635	15915	
	46208	07186		64901	08330	
	46648	01188		64903	08334	
	46651	01318		64905	08633	
	Finland	71091		05895	64907	08638
					64908	08639
	France	62501		10115	64913	14384
		62503		05834	64915	14386
62504		05825	61916 <sup>+</sup>	14387		
62507		05794				
62515		10109	New Zealand	55580	06439	
C6IO5*		04722		55583	07179	
DHZI*		08743		55584	07178	
DIDA*		08749		55585	07177	
ELIL9*		04719		55586	07176	
ELIS8*		04705		55587	08584	
FITA*		04734		55588	08585	
FNCZ*		08744		55589	08586	
FNDK*		08748				
FNGS*		04707		Norway	17001	01591
FNOM*		04701			17003	01758
FNQC*		04710			25561	01556
FNZO*		04716			26531	01791
FNZP*	04715	26532			01790	
FPEW*	04703	44766			03675	
FPYO*	04729	63006			09400	
ZDAZ6*	04714	65594			09308	
Germany	48602	11241	71003		09498	
	63662	09360	71004		09499	
	63663	09372	71002		02727	
	71042	03317	74002		09405	
	71524	03315	Republic of Korea		22604	11010
	71551	09357			22605	11011
	71552	09358			22606	11012
	71553	09359			22607	11013
	71554	09366				
	71555	09367				
	71556	09368				
	71557	09369				

- PTTs transmitting at irregular intervals
- + PTTs which were removed from gts during the month

## 5.1 ARGOS monthly status report (continued)

Operating country	WMO Identifier/ Call sign	ARGOS Identifier	Operating country	WMO Identifier/ Call sign	ARGOS Identifier
South Africa**	17520	03514	United States of America (continued)	13907	14461
	17521	00953		13908	14462
	17539	03511		13909	08598
	17540	03512		13911	14448
	17541	03522		13912	14439
	17543	03519		13913	14450
	17544	03523		13914	14452
	17545	03524		13915	14453
	17546	03518		13919	14442
	17547	03521		13920	14443
	17548	03520		13922	02005
	17549	00945		13923	02006
	17550	00946		13924	14436
	17551	00954		13925	14438
	17552	00947		13926	02070
	33021	09222		13927	02073
	33022	03513		14464	14464
United Kingdom	25562	01639	15103	15103	
	44762	01253	16807	05133	
	44763	01256	16809	12314	
	44764	01254	16810	12309	
	44765	01255	17809	05125	
	44767	04036	17812	01981	
	44768	06288	17825	05129	
	44769	01249	21431	02875	
	44770	06287	21432	14974	
	44771	06292	21433	15588	
	62601	08336	21434	15591	
	62602	03909	21435	14968	
	62605	03907	21436	00509	
	62606	03916	21437	00513	
	62696	01251	21438	01785	
	62697	01261	21524	16331	
	62805	06285	21525	16332	
64043	06270	21526	01535		
United States of America	12502	15342	21527	16333	
	12503	16340	21528	01536	
	12504	06186	21531+	16335	
	12505	06095	21532	16323	
	12917	02072	21533	16336	
	13003	06865	21534	16337	
	13004	06869	21535	16337	
	13005	06873	21572	01151	
	13006+	13223	21573	04648	
	13509	16353	21574	16338	
	13902	14456	21575	16339	
	13903	01763	21576	06815	
	13903	14457	21577	06816	
	13904	14445	21579	01377	
	13905	14447	21901	15537	
	13906	05919	21902	15536	
			21904	14981	
		21905	00499		

\*\* 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

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

## 5.1 ARGOS monthly status report (continued)

Operating country	WMO Identifier/ Call sign	ARGOS Identifier
United States of America (continued)	21907	00502
	21908	15572
	21909	16191
	21910	16192
	21911	16194
	21912	16213
	21913	16214
	21914	14972
	21915	15574
	21916	00515
	21917	16193
	21918	16210
	21919	16212
	21920	15583
	21921	15584
	21922	15586
	21923	14980
	21924	15585
	21925	02399
	21926	15587
	21927	16209
	21928	16257
	21929	01780
	21930	02396
	22902	00508
	22903	00498
	22904	00531
	22905	00519
	22907	00521
	25537	12805
	31504	15341
	32315	06461
	32316	11117
	32317	11118
	32318	12522
	32319	06371
	32320	11121
	32321	11120
	32322	11119
	32512	11920
	32513	11917
	32514	11948
	32515	15648
	32516	11927
	32517	15093
	32518	15091
	32519	11952
	32520	15649
	32521	15651
	32522	15598
	32523 <sup>+</sup>	10809
	32524	15695

Operating country	WMO Identifier/ Call sign	ARGOS Identifier
United States of America (continued)	32525	11953
	32526	15696
	32527	02398
	32528	03224
	32529	15028
	32531	15011
	32532 <sup>+</sup>	11897
	32533	15017
	32534	15018
	32535	15025
	32536	15026
	32537	03225
	32538	15602
	32539	02884
	32540	11904
	32541	15595
	32542	15596
	32543	03567
	32544	11908
	32545	15679
	32546	02885
	32547	15597
	32548	15599
	32549	11163
	32550	04200
	32551	15600
	32552	11195
	32553	15603
	32554	04201
	32555	15625
	32556	11934
	32557	15626
	32558	09276
	32559	15627
	32560	03252
	32901	03565
	32902	15045
	32903	15050
	32904	15128
	32906	15685
	32907	04203
	32908	15687
	32909	04204
	32910	15540
	32911	15541
	32912	15542
	32913	15546
	32914	03568
	32915	15048
	32916	15545
	33510	12308
	33831	01967

<sup>+</sup> PTT's which were removed from GTS during the month

**5.1 ARGOS monthly status report (continued)**

Operating country	WMO Identifier/ Call sign	ARGOS Identifier	Operating country	WMO Identifier/ Call sign	ARGOS Identifier
United States of America (continued)	34901	15123	United States of America (continued)	44907	01866
	34902	15125		44908	01867
	41501	16355		46036	05324
	41502	16307		46184	07182
	41503	16344		46508	01146
	41504	16345		46509	04649
	41505	16342		46521	14318
	41506	15344		46532	15615
	41520	15345		46533	15619
	41521	15347		46535	02009
	41522	01125		46536	15609
	41523	01128		46537	15612
	41524	15348		46538	15579
	41525	15349		46539	15622
	41902	08594		46540	15577
	41903	08596		46541	15643
	41904	08599		46544	15637
	41906	12333		46545	15589
	41907	12329		46547	15070
	41908	12339		46548	15580
	41909	02007		46549	15076
	41910	12324		46550	01135
	41911	12325		46901	15655
	41912	02008		46902	15563
	41913	12330		46903	15564
	41914	12334		46903	15566
	41915	12328		46904	15573
	41916	12327		46905	15581
	41917	12337		46906	15582
	41918	12338		46907	15578
	41919	01861		46908	02889
	41920	01863		46909	01766
	41921	03045		46910	15605
	42501	02447		46911	17232
	42520	01378		46912	17233
	42522	15330		47601	12823
	43001 <sup>+</sup>	11116		48520	12801
	43503	15656		48529	11252
	43504	11198		48550	11251
	43505	15657		48554 <sup>+</sup>	12802
	43508	15008		48555	12806
	44505	09169		48557	12808
	44507	09175		48558	12821
	44508	02579		48559	12822
	44514	04646		48560	12824
	44515	01149		48562	12826
	44516	06823		48564	12828
	44517	06824		48565	12829
	44567	01376		51006	04597
	44903	12323		51007	06369
	44905	12335		51009	00989
	44906	12332		51010	04591

<sup>+</sup> PTTs which were removed from GTS during the month

**5.1 ARGOS monthly status report (continued)**

Operating country	WMO Identifier/ Call sign	ARGOS Identifier
United States of America (continued)	51014	04595
	51015	11114
	51017	00992
	51018	00991
	51019	00786
	51020	00988
	51021	04594
	51022	06370
	51301	06380
	51302	04593
	51303	06474
	51304	00789
	51305	00791
	51306	00793
	51307	06375
	51308	00990
	51309	00792
	51310	00790
	51502	16325
	51503	16326
	51504	16327
	51510	15042
	51511	03376
	51512	15089
	51514	02433
	51515	14432
	51516	11949
	51517	03377
	51518	15077
	51519	02437
	51520	03117
	51801	14433
	51802	02434
	51803	03049
	51804	14434
	51805	15106
	51806	03378
	51807	03379
	51808	02435
	51809	14435
	51810	11956
	51811	15653
	51812	15654
	51814	11946
	51815	03222
	51816	15616
	51817	15617
	51818	03467
	51820	03468
	51821	11690
	51822	03570
	51823	03223
	51824	02436
	51825	03116
	51826	03119
	51827	03572

Operating country	WMO Identifier/ Call sign	ARGOS Identifier
United States of America (continued)	51828	15015
	51829	01772
	51830	15088
	51831	02074
	51832	11955
	51833	11872
	51834	11957
	51835	09271
	51836	09270
	51837	15621
	51838	03170
	51839	03173
	51840	15090
	51841	11950
	51843	03375
	51844	11681
	51845	15107
	51846	11692
	51847	15027
	51848	15009
	51849	03466
	51850	15608
	51851	03569
	51856	15082
	51858	15611
	51861	15099
	51862	11670
	51865	15638
	51866	15644
	51867	15645
	51869	11674
	51870	11679
	51871	15646
	51872	11696
	51878	15072
	51880	15078
	51881	15080
	51883	15083
	51885	15086
	51901	15658
	51902	15671
	51903	15672
	51905	15674
	52001	15813
	52002	06476
	52003	15815
	52006	06519
	52007	00773
	52008	06472
	52010	06798
	52011	12524
	52012	12525
	52301	00776
	52302	00777
	52303	00772
	52304	00775

**5.1 ARGOS monthly status report (continued)**

Operating country	WMO Identifier/ Call sign	ARGOS Identifier
United States of America (continued)	52305	00771
	52307	00774
	52308	06521
	52506	15031
	52507	15037
	52508	15104
	52509	01761
	52510	11939
	52511	16199
	52512	15023
	52513	15661
	52514 <sup>+</sup>	14975
	52515	15041
	52517	15390
	52517	15551
	52518	15114
	52520	15121
	52522	01143
	52523	01144
	52524	01145
	52616	15021
	52801	15035
	52802	15552
	52803	15029
	52804	16202
	52805	15012
	52807	09278
	52808	15666
	52809	15016
	52810	15701
	52811	16206
	52812	15126
	52814	15659
	52815	15660
	52816	15550
	52817	15553
	52817	15665
	52818	15670
	52826	15668
	52827	16200
	52828	15669
	52829	01208
	52830	16196
	52831	16204
	52832	15554
	52833	01215
	52834	16195
	52835	15548
	52836	15549
	52837	16198
	52838	15556
	52838	16201

Operating country	WMO Identifier/ Call sign	ARGOS Identifier
United States of America (continued)	52839	16203
	52840	03046
	52841	16205
	52842	16253
	52843	15558
	52844	15559
	52845	15561
	52846	15391
	52847	15392
	52848	15560
	52849	16211
	52850	16236
	52851	16238
	52852	16239
	52872	11890
	52896	01028
	52928	15692
	53801	00503
	53803	00517
	53823	05131
	54804	01970
	54805	01985
	54838	08823
	54843	05134
	54846	01969
	54901	15049
	54902	15115
	54903	15118
	54904	15020
	54905	15024
	54906	15539
	54907	15044
	54908	15129
	54909	15120
	54910	15033
	54912	15101
	54913	15112
	54914	15119
	54915	15678
	54916	15630
	54917	15631
	54918	15632
	54919	15634
	54921	15675
	54922	15682
	54923	15683
	54924	15693
	54925	15694
	54926	15676
	54927	15538
	54929	15681
	54930	15690

<sup>+</sup> PTTs which were removed from GTS during the month

## 5.1 ARGOS monthly status report (continued)

Operating country	WMO Identifier/ Call sign	ARGOS Identifier	Operating country	WMO Identifier/ Call sign	ARGOS Identifier
United States of America (continued)	54931	15543	ATLAS BUOYS	32315	06461
	54932	15547		32316	11117
	54933	15544		32317	11118
	54934	15680		32318	12522
	55601	01123		32319	06371
	55901	15557		32320	11121
	56801	05130		32321	11120
56802	05119	32322		11119	
56835	12291	43001		11116	
56836	12293	51006		04597	
56837	05116	51007		06369	
56838	12294	51008		04596	
56839	05124	51009		00989	
56840	12292	51010		04591	
61526	06810	51011		00995	
61529	06811	51014		04595	
61533	06429	51015		11114	
61534	06812	51017	00992		
61535	16341	51018	00991		
61536	06595	51019	00786		
61537	06596	51020	00988		
62426	02078	51021	04594		
62427	02079	51022	06370		
62428	02401	51023	00787		
62429	02892	51301	06380		
62430	02002	51302	04593		
62673	01131	51303	06474		
62674	01132	51304	00789		
62675	01129	51305	00791		
62901	15569	51308	00990		
62902	15570	51309	00792		
62903	15571	51306	00793		
62904	01862	51307	06375		
62905	01864	51310	00790		
62906	08590	52001	15813		
62907	08591	52002	06476		
62908	01868	52003	15815		
62909	01869	52004	12528		
62910	01865	52007	00773		
64429	01860	52008	06472		
64584	02127	52010	06798		
71564	01433	52011	12524		
74801	01980	52012	12525		
		52301	00776		
		52302	00777		
		52303	00772		
		52304	00775		
		52305	00771		
		52306	00770		
		52307	00774		
		52308	06521		

**7. 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 (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 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 III - Global Telecommunication System

Date: January 1993

## C. Information on the operation of the GTS

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

#### 1.5 Bulletins for oceanographic data

- **Bulletin headers used for drifting buoys**

Data routed from Service Argos Inc, Landover, MD, USA via the National Weather Service, Washington DC, USA:

SSVX02 KWBC :	Southern Hemisphere, data Quality Controlled at NDBC
SSVX04 KARS :	North Atlantic Ocean
SSVX06 KARS :	Northern Hemisphere
SSVX08 KWBC :	Northern Hemisphere, data Quality Controlled at NDBC
SSVX10 KARS :	Southern Hemisphere
SSVX12 KARS :	Arctic Ocean
SSVX14 KARS :	Antarctic area
SSVX15 KWBC :*	Arctic Ocean, data Quality Controlled at OPC
SSVX16 KARS :	Specific experiments, various ocean areas
SSVX40 KARS :	Equatorial Pacific Ocean (ATLAS moored buoys)
SSVX96 KARS :	Specific experiments for NDBC

\* SSVX15 KWBC will soon be replaced with SSVX18 KARS

Data routed from CLS, Service Argos, Toulouse, France via Meteo-France, Toulouse, France:

SSVX01 LFPW :	North Atlantic Ocean
SSVX03 LFPW :	Southern Hemisphere
SSVX05 LFPW :	Northern Hemisphere excluding North Atlantic Ocean
SSVX07 LFPW :	Arctic Ocean
SSVX09 LFPW :	Antarctic area

Data routed from Edmonton Local User Terminal (LUT):

SSVX02 CWEG :	Arctic Ocean
SSVX03 CWEG :	Hudson Bay
SSVX04 CWEG :	North-east Pacific Ocean

Data routed from Ottawa Local User Terminal (LUT):

SSVX01 CWTO :	North-west Atlantic Ocean
---------------	---------------------------

Data routed from Oslo Local User Terminal (LUT):

SSVX01 ENMI :	North Atlantic Ocean (EGOS)
---------------	-----------------------------

### 1.5 Bulletins for oceanographic data (continued)

- **Bulletin headers used for drifting buoys (continued)**

Data routed from the Centre de Météorologie Marine, Brest:

SSVX51 LFPW :	North Atlantic Ocean (Bodega-TOGA)
SSVX55 LFPW :	Equatorial Pacific Ocean (Bodega-TOGA)

Data routed from the Sondre Stromfjord Local User Terminal (LUT):

SSVX1 BGSF :	North Atlantic Ocean (EGOS)
--------------	-----------------------------

- **List of bulletin headers**

Abbreviated Headings		Abbreviated Headings		Abbreviated Headings		Abbreviated Headings	
SOAG01	SABM	SOVD01	CWPF	SOVD09	KWBC	SOVF01	ENMI
SOBZ01	SBBR	SOVD01	EGRR	SOVD10	RUHB	SOVF01	ESWI
SOCO01	SKBO	SOVD01	KWBC	SOVD10	RUMS	SOVF01	LFPW
SOVA01	EGRR	SOVD01	TNCC	SOVD11	KWBC	SOVF02	BIRK
SOVA02	EGRR	SOVD02	BIRK	SOVD12	KWBC	SOVF02	EGRR
SOVA10	RUMS	SOVD02	CWOW	SOVD13	KWBC	SOVF02	ESWI
SOVB01	EGRR	SOVD02	EGRR	SOVE01	AMMC	SOVF10	RUMS
SOVB02	EGRR	SOVD02	KWBC	SOVE01	EGRR	SOVJ01	EGRR
SOVB10	RUHB	SOVD02	TFFF	SOVE01	NTAA	SOVJ02	EGRR
SOVB10	RUMS	SOVD02	TNCC	SOVE02	AMMC	SOVJ10	RUML
SOVC01	EGRR	SOVD03	KWBC	SOVE02	EGRR	SOVX01	DEMS
SOVC02	EGRR	SOVD04	KWBC	SOVE10	RUHB	SOVX01	RJTD
SOVC10	RUHB	SOVD05	KWBC	SOVF01	RUHB	SOVX02	DEMS
SOVC10	RUMS	SOVD06	KWBC	SOVF01	BIRK	SOVX02	RJTD
SOVD01	BIRK	SOVD07	KWBC	SOVF01	EDZW	SOVX10	RUHB
SOVD01	CWHF	SOVD08	KWBC	SOVF01	EGRR	SOVX10	RUMS
						SOWF01	ENMI

## 4. Regional telecommunication network

- **Notification from Viet Nam**

That the regional circuit Hanoi (VNN) Beijing (BABJ) has been operational since 20 November 1992 using a 75 baud satellite channel. Since meteorological data from Viet Nam are distributed on the GTS on regional circuits Hanoi-Bangkok and Hanoi-Beijing, the RTT broadcast of NMC Hanoi will be discontinued as from 1 February 1993

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

Date: January 1993

## 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

- **Notification from Sweden**

Effective immediately

A<sub>i</sub>-VI GÖTEBORG RADIO Group B, effective 1.XII.1992  
- Changes in columns (4) and (6)

(1)	(2)	(3)	(4)	(5)	(6)
GÖTEBORG RADIO (1.XII.1992) <u>Group(e): B</u>	SAG	0900	521.5 kHz	A1A	0,125 kW
		2100			
		1300			
	Göteborg Radio	1033	1 710 kHz	J3E	0,315 kW
		2233			
		1433			
SAG	Göteborg Radio	On receipt and after the first following silence period and after the first traffic list / Dès réception et après la première période de silence qui suit et après la première liste de trafic	521.5 kHz	A1A	0,125 kW
			1 710 kHz	J3E	0,315 kW
		On request / Sur demande			

A<sub>i</sub>-VI HÄRNÖSAND RADIO Group B, effective 1.XII.1992:  
- Changes in columns (4)

(1)	(2)	(3)	(4)	(5)	(6)
HÄRNÖSAND RADIO (1.XII.1992) <u>Group(e): B</u>	SAH	0848	444 kHz	A1A	2,8 kW
		2048			
		1148			
	Härnösand Radio	0833	2 733 kHz 1 779 kHz	J3E	0,8 kW
		2033			
		1233			
SAH	Härnösand Radio	On receipt and after the first following silence period and after the first traffic list / Dès réception et après la première période de silence qui suit et après la première liste de trafic	444 kHz	A1A	2,8 kW
			2733 kHz 1 779 kHz	J3E	0,8 kW
		On request / Sur demande			

A<sub>i</sub>-VI KARLSKRONA RADIO, Group B, effective 1.XII.1992:  
- Changes in columns (4)

(1)	(2)	(3)	(4)	(5)	(6)
KARLSKRONA RADIO (1.XII.1992) <u>Group(e): B</u>	SAA	0930	435.5 kHz	A1A	—
		2130			
	Karlskrona Radio	1230	2 789 kHz	J3E	—
		0954 2154			
Karlskrona Radio	SAA	1154 2154	435.5 kHz	A1A	—
	On receipt and after the first following silence period and after the first traffic list/ Dès réception et après la première période de silence qui suit et après la première liste de trafic				
		On request / Sur demande			

A<sub>i</sub>-VI STOCKHOLM RADIO, Group B, effective 1.XII.1992:  
- Changes in columns (4) and (6)

(1)	(2)	(3)	(4)	(5)	(6)	
STOCKHOLM RADIO (1.XII.1992) <u>Group(e): B</u>	SDJ	0900	519 kHz	A1A	0,4 kW	
		2100	448 kHz		0,125 kW	
	Stockholm Radio	1300				
		0933 2133	1 674 kHz 1 797 kHz	J3E	0,315 kW 0,315 kW	
Stockholm Radio	SDJ	1333	519 kHz 448 kHz	A1A	0,4 kW 0,125 kW	
	On receipt and after the first following silence period and after the first traffic list/ Dès réception et après la première période de silence qui suit et après la première liste de trafic		1 674 kHz 1 797 kHz 2 754 kHz	J3E	0,315 kW 0,315 kW 1,3 kW	
		On request/ Sur demande				

A<sub>i</sub>-VI SVERIGES RADIO, Groups B and D effective 1.XII.1992:  
- Changes in columns (4) and (6)

(1)	(2)	(3)	(4)	(5)	(6)
SVERIGES RADIO (the Swedish Broadcasting Corporation / Réseau de radiodiffusion suédois) (1.XII.1992) <u>Group(e)s: B, D</u>					
	Sölvesborg Karlsborg	0535 (0435)	1 179 kHz 6 065 kHz	A3E	600 kW 500 kW
		0705 (0605)			
		1201 (1101)			
		1537 (1437)			
		2050 (1950)			

A<sub>i</sub>-VI TINGSTADE RADIO, Group B, effective 1.XII.1992:  
 - Changes in columns (4)

(1)	(2)	(3)	(4)	(5)	(6)
TINGSTADE RADIO (1.XII.1992) <u>Group(e): B</u>	SAE	0848	522.5 kHz	A1A	—
		2048			
		1218			
	Tingstade radio	1006	2 768 kHz	J3E	—
		2206			
	Tingstade radio	SAE	1206	522.5 kHz	A1A
2206					
		On receipt and after the first following silence period and after the first traffic list/ Dès réception et après la première période de silence qui suit et après la première liste de trafic	2 768 kHz		
		On request / Sur demande			