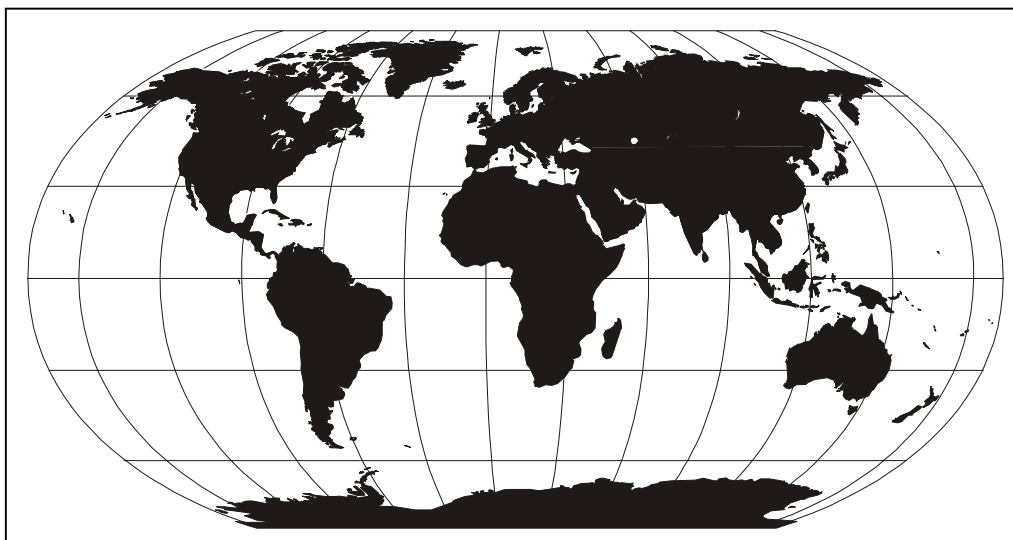




OPERATIONAL NEWSLETTER

World Weather Watch and Marine Meteorological Services



**WORLD METEOROLOGICAL ORGANIZATION
GENEVA
SWITZERLAND**

No. 5/6- 1999
(May/June 1999)

... *inside this issue*

No. 5/6- CONTENTS - 1999

	<i>PAGE</i>
Editorial	3
Forthcoming Meetings	4
<u>I. Global Observing System</u>	<u>6</u>
Automatic Marine Stations.....	6
<u>II. Codes</u>	<u>14</u>
Manual on Codes, Volume 1.2, Part C.....	14
<u>III. Global Telecommunication System</u>	<u>14</u>
Replacement of outdated location indicator for Lithuania.....	14
"Additional" Data and Products	14
<i>(attached at the end of this Newsletter: pages 1-56)</i>	
List of RTH focal points.....	15
Feed-back from Members to the Secreariat on any changes in the Observing Network:	18
<i>Explanatory Notes and Feedback Form</i>	

EDITORIAL

The Operational Newsletter provides information on the World Weather Watch and Marine Meteorological Services and has been issued since 1982 at the request of the Commission for Basic Systems. It is distributed by the World Meteorological Organization Secretariat and is aimed at providing World Weather Watch Centres with a summary of the latest operational information on:

- *The Global Observing System*
- *The Global Telecommunication System*
- *The Global Data-Processing System*
- *Data Management*
- *Codes*
- *Marine Meteorological Services*

A feedback form is included in the Newsletter to assist WMO 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.

Should you have any difficulties downloading, viewing or printing the Newsletter, please do not hesitate to contact us.

We look forward to hearing from you!

Acknowledgements:

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

Operational Newsletter:

6 issues per year:

January/February

March/April

May/June

July/August

September/October

November/December

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1999 MEETINGS

Related to: The World Weather Watch and Marine Meteorological Services

The meetings relating to the Commission for Basic Systems (CBS) reflect the new working structure of the Commission, which was adopted at the Extra-Ordinary Session, held in September/October 1998 in Karlsruhe, Germany. For more information, please refer to the CBS-Ext. (98) Final Report (to be published in May 1999).

Terminology adopted by CBS and used below:

CBS/OPAG-IOS	Commission for Basic Systems/Open Programme Area on Integrated Observing Systems
CBS/OPAG-ISS	Commission for Basic Systems/Open Programme Area on Information Systems and Services
CBS/OPAG-DPFS	Commission for Basic Systems/Open Programme Area on Data-processing and Forecasting Systems
CBS/OPAG-PWS	Commission for Basic Systems/Open Programme Area on Public Weather Services

Date	Place	Title of the Meeting
19-23 July 1999	San José, Costa Rica	Regional Training Seminar on the use of GDPS Products with Statistical Adaptations
19-23 July 1999	St. Petersburg, Russian Federation	Commission for Marine Meteorology (CMM) Advisory Working Group - 9 th Session and World Meteorological Organization/Intergovernmental Oceanographic Commission (WMO/IOC) Transition Planning Meeting for Joint Technical Commission for Oceanography and Marine Meteorology (JCOMM)
19-23 July 1999	San José, Costa Rica	Regional Training Seminar on Operational Post-processing Techniques for Application of Numerical Weather Prediction Products (for Regional Association III (South America) and Regional Association IV (North and Central America))
August 1999 (Date to be decided)	Place to be decided	Regional Association V (South-West Pacific) Implementation Coordination Meeting on the GTS
16 -20 August 1999	ECMWF, Reading, UK	CBS/OPAG-DPFS/Expert Meeting on Long Range Verification Systems
September 1999	Beijing, China (tentative)	CBS/OPAG-DPFS/Expert meeting on Environmental Emergency Response
8-15 September 1999	Vancouver, Canada	Workshop on Advances in Marine Climatology (CLIMAR 99) (co-sponsored by WMO)
21-29 September 1999	Mauritius	Regional Association I (Africa) Tropical Cyclone Committee for the South-West Indian Ocean - 14 th Session
27-30 September 1999	Geneva, WMO Secretariat	CBS/OPAG-ISS/Expert Team on Data Communication Systems and Techniques
29 September - 1 October 1999	Norkopping, Sweden	Automated Shipboard Aerological Programme (ASAP) Coordinating Committee, 11 th Session
29 September - 1 October 1999	Mauritius	Workshop on Public Weather Services in conjunction with the RA I - Tropical Cyclone Committee
30 September-5 October 1999	Geneva, WMO Secretariat	CBS/OPAG-ISS/Expert Team on improved MTN
October 1999 (Date to be decided)	Monterey, CA, USA (tentative)	CBS/OPAG-ISS/Expert Meeting on the evolution of Data Formats

6-8 October 1999	Geneva, WMO Secretariat	CBS/OPAG-ISS/Implementation Coordination Meeting on the MTN
4-14 October 1999	Nadi, Fiji	The Second Training Workshop on Public Weather and Warning Services
12-16 October 1999	Doha, Qatar	Implementation Coordination Meeting on the GTS in Region II
13-16 October 1999	Place to be decided	Working Group on planning and implementation of the WWW in Region II - 3 rd Session and Regional Association II (Asia) Implementation Coordination Meeting on the GTS
17-21 October 1999	Doha, Qatar	Third Session of the Working Group on Planning and Implementation of the WWW in Region II
18-22 October 1999	St. Raphael, France	International Conference: The Ocean Observing System for Climate
20-26 October 1999	New Delhi, India	Regional Meeting on Storm Surge Project
26 October - 3 November 1999	Wellington, New Zealand	Data Buoy Cooperation Panel - 15 th Session and ARGOS Joint tariff Agreement - 19 th Meeting
5-11 November 1999	St. Denis, La Réunion	Third Tropical Cyclone Regional Specialized Meteorological Centres (RSMCs) Technical Coordination Meeting
8-12 November 1999	Melbourne, Australia	Training Workshop for Port Meteorological Officers in Regions II (Asia) and V (South-West Pacific)
8-12 November 1999	Pretoria, South Africa	CBS/OPAG-DPFS/Implementation Coordination Meeting on Data Processing and Forecasting Systems
8-19 November 1999	St. Denis, La Réunion	Regional Association I (Africa) Training course on Tropical Cyclones (co-sponsored by the World Meteorological Organization (WMO))
10-12 November 1999	Geneva, WMO Secretariat	CBS/Steering Group on Radio Frequency Coordination
23-29 November 1999	Seoul, Korea	Economic and Social Commission for Asia and the Pacific/World Meteorological Organization (ESCAP/WMO) Typhoon Committee - 32 nd Session
23-27 November 1999	Hong Kong, China	CBS/OPAG-PWS/Expert Team on Product Development and Verification and Evaluation Services
29-30 November 1999	Seoul, Korea	Public Weather Services Workshop in conjunction with the Typhoon Committee Session
29 November - 3 December 1999	Geneva, WMO Secretariat	CBS/OPAG-IOS/Expert Team on Observational Data Requirements and Redesign of the GOS - 2 nd Session
1999 (Date to be decided)	China (Place to be decided)	Regional Workshop on Doppler Tropical Cyclone Radars organized by the Typhoon Committee and Panel on Tropical Cyclones in cooperation with the World Meteorological Organization
1999 (Date to be decided)	Place to be decided	Regional Training Seminar on Operational Post-processing Techniques for Application of Numerical Weather Prediction (NWP) Products (for Regional Association II (Asia) and V (South-West Pacific))

Meeting Scheduled in 2000

October 2000 (Date to be decided)	Place to be decided	Commission for Basic Systems - 12 th Session
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I. GLOBAL OBSERVING SYSTEM

AUTOMATIC MARINE STATIONS

KEY: Observed or Technical Parameters

Column	Parameters	Column	Parameters
1	Wind direction, speed and peak wind	12	Battery Voltage (BV)
2	Air temperature		
3	Air pressure	-	Parameter not observed
4	Pressure tendency	X	Buoy observes this parameter
5	Sea-surface temperature	.	Data under evaluation, not reported
6	Wave period and height		
7	Wave spectra	B	Buoy beached, sensor reporting
8	Drogued	N	No sensor installed
9	Subsurface temperatures	Q	Data questionable, but reported
10	Relative humidity	R	Buoy Retrieved
11	Visibility	S	Sensor/system failure

JAPAN

WMO Buoy	ARGOS	Position: 3 May 1999		Observed or Technical Parameters										
ID	ID	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
29010	02201	40°30'N	149°00'E											
29011	02211	40°49'N	149°53'E											

CANADA ODAS REPORT Moored Buoys

North-east Pacific Ocean (SNVD17 & SXCN50 CWVR, SNVD04 CWEG)

WMO Buoy	ARGOS	Position: 2 June 1999		Observed or Technical Parameters										
ID	ID	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
46004	7195	50 58' N	135 48' W	X	X	X	X	X	X	X	N/A	-	-	-
46036	5324	48 21' N	133 55' W	X	X	X	X	X	X	X	N/A	-	-	-
46131	N/A	49 54' N	124 59' W	X	X	X	X	X	X	X	N/A	-	-	-
46132	7196	49 44' N	127 55' W	X	X	X	X	X	X	X	N/A	-	-	-
46145	7183	54 23' N	132 26' W	X	X	X	X	X	X	X	N/A	-	-	-
46146	N/A	49 20' N	123 44' W	X	X	X	X	X	X	X	N/A	-	-	-
46147	7184	51 49' N	131 12' W	X	X	X	X	X	X	X	N/A	-	-	-
46181	N/A	53 50' N	128 50' W	X	X	X	X	X	X	X	N/A	-	-	-
46183	7186	53 37' N	131 06' W	X	X	X	X	X	X	X	N/A	-	-	-
46184	7180	53 54' N	138 52' W	X	X	X	X	X	X	X	N/A	-	-	-
46185	7194	52 24' N	129 47' W	X	X	X	X	X	X	X	N/A	-	-	-
46204	4484	51 22' N	128 45' W	X	X	X	X	X	X	X	N/A	-	-	-
46205	7185	54 10' N	134 20' W	X	X	X	X	X	X	X	N/A	-	-	-
46206	7187	48 50' N	126 00' W	X	X	X	X	X	X	X	N/A	-	-	-
46207	4485	50 52' N	129 55' W	X	X	X	X	X	X	X	N/A	-	-	-
46208	7197	52 30' N	132 42' W	X	X	X	X	X	X	X	N/A	-	-	-

Moored Buoys North-west Atlantic Ocean

WMO Buoy	ARGOS	Position: 2 June 1999		Observed or Technical Parameters										
ID	ID	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
44137	5579	41 50' N	060 56' W	X	X	X	X	X	X	X	N/A	-	-	-

44138	5577	44 16' N	053 37' W	X	X	X	X	X	X	X	N/A	-	-	-
44139	3448			.	.	.	.	.	.	.	N/A	-	-	-
44140	5576	43 50' N	051 30' W	X	X	X	X	X	X	X	N/A	-	-	-
44141	3449			.	.	.	.	.	.	.	N/A	-	-	-
44142	5578	42 30' N	064 01' W	X	X	X	X	X	X	X	N/A	-	-	-
44251	9234	46 26' N	053 23' W	X	X	X	X	X	X	X	N/A	-	-	-
44255	9233	47 17' N	057 21' W	X	X	X	X	X	X	X	N/A	-	-	-

Moored Buoys
Gt Slave Lk., Lk. Winnipeg, Great Lks., Gulf of St. Lawrence

WMO Buoy	ARGOS	Position: 2 June 1999		Observed or Technical Parameters										
ID	ID	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
45132	N/A	42 28' N	081 13' W	X	X	X	X	X	X	X	N/A	-	-	-
45135	N/A	43 47' N	076 52' W	X	X	X	X	X	X	X	N/A	-	-	-
45136	N/A	48 32' N	086 57' W	X	X	X	X	X	X	X	N/A	-	-	-
45137	N/A	45 33' N	081 01' W	X	X	X	X	X	X	X	N/A	-	-	-
45138	3436	49 33' N	065 46' W	X	X	X	X	X	X	X	N/A	-	-	-
45139	N/A	43 26' N	079 23' W	S	S	S	S	S	S	S	N/A	-	-	-
45140	N/A	50 29' N	096 26' W	.	.	.	.	.	.	.	N/A	-	-	-
45141	N/A	61 07' N	115 11' W	.	.	.	.	.	.	.	N/A	-	-	-
45142	N/A	42 44' N	079 17' W	X	X	X	X	X	X	X	N/A	-	-	-
45143	N/A	44 55' N	080 38' W	S	S	S	S	S	S	S	N/A	-	-	-
45150	3439	61 55' N	113 45' W	.	.	.	.	.	.	.	N/A	-	-	-
45154	N/A	46 03' N	082 38' W	X	X	X	X	X	S	S	N/A	-	-	-

Drifting Buoys
Pacific Ocean

WMO Buoy	ARGOS	Position: 1 June 1999		Observed or Technical Parameters										
ID	ID	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
46632	12517	54 06' N	161 18' W	X	X	X	X	X	.	.	X	-	-	-
46661	12521	44 54' N	138 30' W	X	S	X	X	X	.	.	X	-	-	-
46692	12513	36 54' N	130 00' W	S	X	X	X	X	.	.	X	-	-	-
46698	12515	47 54' N	127 30' W	X	S	X	X	X	.	.	X	-	-	-

Remarks:

44138 - Ocnl messages.
 44139 - Buoy adrift Mar. 1/99. Recovered Apr. 21/99.
 44141 - Buoy adrift Mar. 10/99. Recovered Apr. 21/99.
 45138 - Fair to poor modulation quality. Frequent parity errors and missing messages.
 45140 - Removed for the Winter Oct. 23/98. To be redeployed June/99.
 45141 - Removed for the Winter Oct. 14/98.
 45144 - No deployment in 1998.
 45150 - Removed for the Winter Sept. 23/98.
 45154 - Deployed May 2/99. No wave data.
 46036 - Buoy serviced May 9/99.

46132 - Buoy serviced May 7/99.
 46184 - Buoy serviced May 11/99.
 46207 - Buoy serviced May 15/99.
 46661 - Air temp. failed Sept. 98
 46692 - Wind failed Nov.20/98.
 46698 - Air temp. failed Oct 05/98

Failed:

45139 - Payload failed Jan 15/99.
 45143 - Failed on deployment Apr 18/99.

UNITED STATES OF AMERICA

List of U.S.A. Ocean Data Acquisition Systems (ODAS) included in the Data Platform Status Report of the Data Buoy Centre of the National Oceanic and Atmospheric Administration (NOAA) on 25 June 1999. Geostationary meteorological satellites collect data from moored buoys and platforms 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.

Moored Buoys

WMO Buoy	ARGOS	Position: 17-24 June 1999		Observed or Technical Parameters										
		ID	ID	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
41001*		34.68N	72.64W	X	X	X	-	X	X	X	-	-	-	-
41002*		32.28N	75.20W	X	X	X	-	X	X	X	-	-	-	-
41004*		32.51N	79.10W	X	X	X	-	X	X	X	-	-	-	-
41008*		31.40N	80.87W	X	X	X	-	X	X	X	-	-	-	-
41009		28.50N	80.18W	X	X	X	-	X	X	X	-	-	-	-
41010		28.90N	78.53W	X	X	X	-	X	X	X	-	-	-	-
42001*		25.93N	89.65W	X	X	X	-	X	X	X	-	-	-	-
42002*		25.89N	93.57W	X	X	X	-	X	X	X	-	-	-	-
42003*		25.94N	85.91W	X	X	X	-	X	X	X	-	-	-	-
42007*		30.09N	88.77W	X	X	X	-	X	X	X	-	-	-	-
42019*		27.92N	95.35W	X	X	X	-	X	X	X	-	-	-	-
42020*		26.92N	96.70W	X	X	X	-	X	S	S	-	-	-	-
42035*		29.25N	94.41W	X	X	X	-	X	X	X	-	-	-	-
42036*		28.51N	84.51W	X	X	X	-	X	X	X	-	-	-	-
42039		28.78N	86.04W	X	X	X	-	X	X	X	-	-	-	-
42040		29.20N	88.25W	X	X	X	-	X	X	X	-	-	-	-
44004*		38.46N	70.69W	X	X	X	-	X	X	X	-	-	-	-
44005*		42.90N	68.89W	X	X	X	-	X	X	X	-	-	-	-
44007*		43.53N	70.14W	X	X	X	-	X	X	X	-	-	-	-
44008*		40.50N	69.43W	X	X	X	-	X	X	X	-	-	-	-
44009*		38.46N	74.70W	X	X	X	-	X	X	X	-	-	-	-
44011*		41.08N	66.58W	X	X	X	-	X	X	X	-	-	-	-
44013		42.35N	70.69W	X	X	X	-	X	X	X	-	-	-	-
44014		36.58N	74.83W	X	X	X	-	X	X	X	-	-	-	-
44025*		40.25N	73.17W	X	X	X	-	X	X	X	-	-	-	-
45001*		48.06N	87.78W	X	X	X	-	X	X	X	-	-	-	-
45002*		45.30N	86.42W	X	X	X	-	S	X	X	-	-	-	-
45003*		45.33N	82.77W	X	X	X	-	X	X	X	-	-	-	-
45004*		47.56N	86.55W	X	X	X	-	X	X	X	-	-	-	-
45005*		41.67N	82.39W	X	X	X	-	X	X	X	-	-	-	-
45006*		47.32N	89.87W	X	X	X	-	X	X	X	-	-	-	-
45007*		42.67N	87.02W	X	X	X	-	X	X	X	-	-	-	-
45008*		44.28N	82.42W	X	X	X	-	X	X	X	-	-	-	-
46001*		56.30N	148.17W	S	X	X	-	X	X	X	-	-	-	-
46002*		42.53N	130.26W	R	R	R	-	R	R	R	-	-	-	-
46003*		51.85N	155.92W	X	X	X	-	X	X	X	-	-	-	-
46005*		46.08N	131.00W	S	X	X	-	X	X	X	-	-	-	-
46006*		40.84N	137.49W	X	X	X	-	X	X	X	-	-	-	-
46011*		34.88N	120.87W	X	X	X	-	X	X	X	-	-	-	-
46012*		37.39N	122.72W	S	S	S	-	S	S	S	-	-	-	-
46013*		38.23N	123.33W	X	X	X	-	X	X	X	-	-	-	-
46014*		39.22N	123.97W	X	X	X	-	S	X	X	-	-	-	-
46022*		40.74N	124.51W	X	X	X	-	X	X	X	-	-	-	-
46023		34.71N	120.97W	X	X	X	-	X	X	X	-	-	-	-
46025*		33.75N	119.08W	X	X	X	-	X	X	X	-	-	-	-
46026*		37.75N	122.82W	X	X	X	-	X	X	X	-	-	-	-
46027*		41.86N	124.38W	X	X	X	-	X	X	X	-	-	-	-
46028*		35.74N	121.88W	X	X	X	-	X	X	X	-	-	-	-
46029*		46.12N	124.50W	X	X	X	-	X	X	X	-	-	-	-
46030*		40.42N	124.53W	X	X	X	-	X	S	S	-	-	-	-

46035*		56.91N	177.81W	X	X	X	-	X	X	X	-	-	-	-
46041*		47.42N	124.52W	S	S	S	-	S	S	S	-	-	-	-
46042*		36.75N	122.42W	S	S	S	-	S	S	S	-	-	-	-
46047*		32.43N	119.53W	X	X	X	-	X	X	X	-	-	-	-
46050*		44.62N	124.53W	X	X	X	-	S	X	X	-	-	-	-
46053*		34.24N	119.85W	X	X	X	-	X	X	X	-	-	-	-
46054		34.27N	120.45W	X	X	X	-	X	X	X	-	-	-	-
46059*		37.98N	130.00W	X	S	S	-	X	X	X	-	-	-	-
46060*		60.58N	146.83W	X	X	X	-	X	X	X	-	-	-	-
46061*		60.22N	146.83W	X	X	X	-	X	X	X	-	-	-	-
46062		35.10N	121.01W	X	X	X	-	X	X	X	-	-	-	-
46063*		34.25N	120.66W	X	X	X	-	X	X	X	-	-	-	-
51001*		23.40N	162.27W	X	X	X	-	X	X	X	-	-	-	-
51002*		17.19N	157.83W	X	X	X	-	X	X	X	-	-	-	-
51003*		19.14N	160.81W	X	X	X	-	X	X	X	-	-	-	-
51004*		17.44N	152.52W	S	S	X	-	X	X	X	-	-	-	-
51028		0.00N	153.88W	X	X	X	-	X	X	X	-	-	-	-

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

Total Base Funded Buoys: 57
 Total Other Buoys 10

 Total Moored Buoys 67

Remarks (d/m/yy):

42020 - Wave data failed 11/10/98, service scheduled week of 6/28/99.
 44011 - Parity errors in data.
 45002 - Water temp data failed 4/11/99.
 46001 - Wind data failed 11/13/98, service scheduled week of 7/19/99.
 46002 - Buoy confirmed adrift 9/24/98, recovered 12/4/98, redeployment scheduled week of 7/12/99.
 46005 - Wind data failed 2/12/99.
 46006 - Parity errors in data.
 46012 - Station failed 5/17/99.
 46014 - Water temp data failed 11/22/98, service scheduled week of 8/16/99.
 46027 - Parity errors in data, service scheduled week of 7/26/99.

46030 - Wave data failed 1/14/99, parity errors in data, service scheduled 8/23/99.
 46035 - Parity errors in data.
 46041 - Station failed 12/1/98, adrift 3/5/99, recovered 3/15/99, redeployed 6/24/99.
 46042 - Station failed 4/4/99.
 46050 - Water temp data failed 3/22/99, parity errors in data, service scheduled week of 7/12/99.
 46059 - Air temp and pressure data failed 12/10/97.
 51004 - Wind and air temp data failed 3/30/99, service scheduled week of 7/5/99.

**AUSTRALIA
 Moored Buoys**

WMO Buoy	ARGOS	Position: 31 May 1999		Observed or Technical Parameters										
ID	ID	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
55038	2946	-35.184	138.301	X	X	X	X	X	-	-	-	-	-	-

Drifting Buoys (Drogued)

WMO Buoy	ARGOS	Position: 31 May 1999		Observed or Technical Parameters										
ID	ID	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
52624	2942	-14.159	138.169	X	X	X	X	X	-	-	-	-	-	-
53551	8097	-15.508	105.245	-	-	X	X	X	-	-	-	-	-	-
55525	2948	-41.837	156.369	-	X	X	X	X	-	-	-	-	-	-
56501	8590	-21.901	112.089	X	-	X	X	X	-	-	-	-	-	-
56529	4873	-29.079	71.762	-	-	X	-	X	-	-	-	-	-	-
56535	2939	-56.89	-56.205	-	X	X	X	X	-	-	-	-	-	-
56536	4876	-40.261	-170.522	-	-	S	-	X	-	-	-	-	-	-
56537	2930	-21.423	65.67	X	X	X	X	S	-	-	-	-	-	-

56539	8035	-42.702	144.685	-	X	X	X	S	-	-	-	-	-	-
56540	4877	-18.671	97.077	-	-	X	X	X	-	-	-	-	-	-
56541	8037	-62.901	142.309	-	X	X	X	X	-	-	-	-	-	-
56542	8038	-52.528	169.063	-	X	X	X	X	-	-	-	-	-	-
56544	8039	-17.023	86.596	X	X	X	X	X	-	-	-	-	-	-
56545	2693	-38.094	118.421	-	S	X	X	X	-	-	-	-	-	-
56546	2489	-47.852	141.03	-	X	X	X	X	-	-	-	-	-	-
56547	2937	-37.697	94.681	-	X	S	S	X	-	-	-	-	-	-
56548	8098	-41.963	105.477	-	-	X	X	X	-	-	-	-	-	-
56549	8099	-59.932	86.094	-	-	X	X	-	-	-	-	-	-	-
56550	1870	-21.808	111.224	X	X	X	X	-	-	-	-	-	-	-

NEW ZEALAND
Drifting Buoys

WMO Buoy	ARGOS	Position: 1 June 1999		Observed or Technical Parameters										
ID	ID	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
8583	55590	35.4 S	150.9 E	-	X	X	-	X	-	-	X	-	-	-
8584	55587	42.4 S	169.5 E	X	X	X	-	X	-	-	X	-	-	-
8587	55571	37.5 S	162.6 E	-	X	X	-	X	-	-	X	-	-	-
20721	55576	36.3 S	161.7 E	-	X	X	-	X	-	-	X	-	-	-
22187	55573	43.1 S	169.3 E	-	X	X	-	X	-	-	X	-	-	-
22188	55577	40.3 S	156.3 E	-	X	X	-	X	-	-	X	-	-	-
22189	55572	32.9 S	170.9 E	-	X	X	-	X	-	-	X	-	-	-
21583	55578	44.3 S	157.0 E	-	X	X	-	X	-	-	X	-	-	-

FRANCE
Moored Buoys

WMO Buoy	ARGOS	Position: 17 June 1999		Observed or Technical Parameters										
ID	ID	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
15001*	-	10.0S	10.0W	X	X	-	-	X	-	-	-	X	-	-
15002*	-	0.0	10.0W	X	X	-	-	X	-	-	-	X	-	-
15003*	-	6.0S	10.0W	X	X	-	-	X	-	-	-	X	-	-
41097	05832	14.9N	61.1W	-	-	-	-	X	X	.	-	-	-	-
41098	05834	14.6N	60.8W	-	-	-	-	X	X	.	-	-	-	-
41100	-	15.9N	57.9W	X	X	X	X	X	X	X	-	-	X	-
41101	-	14.6N	56.2W	X	X	X	X	X	X	X	-	-	X	-
61001	-	43.4N	7.8E	X	X	X	X	X	X	X	-	-	X	-
62001**	-	45.2N	5.0W	X	X	X	X	X	X	-	-	-	X	-
62051	-	49.5N	0.2W	X	X	-	-	X	-	-	-	-	-	-
62163**	-	47.5N	8.5W	X	X	X	X	S	X	-	-	-	X	-

* Pirata project

** Cooperation UK Met.Office/Meteo-France

Drifting Buoys
Indian and Pacific Oceans

WMO Buoy	ARGOS	Position: 17 June 1999		Observed or Technical Parameters										
ID	ID	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
14537	29755	18.3S	40.7E	-	-	X	X	X	-	-	X	-	-	-
23589	29754	3.4S	94.6E	-	-	X	X	X	-	-	X	-	-	-
51683	5246	16.7S	158.6W	-	-	X	-	X	-	-	X	-	-	-
51685	5248	11.7S	171.3W	-	-	X	-	X	-	-	X	-	-	-

Drifting Buoys Tropical Atlantic Ocean

WMO Buoy	ARGOS	Position: 17 June 1999		Observed or Technical Parameters										
ID	ID	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
41598	8259	26.1N	47.9W	S	-	X	-	X	-	-	X	-	-	-
41599	8260	28.0N	37.1W	S	-	X	-	X	-	-	X	-	-	-
41636	8717	24.1N	61.6W	X	-	X	-	X	-	-	X	-	-	-
41637	8718	24.9N	45.6W	X	-	X	-	X	-	-	X	-	-	-
41638	8719	25.2N	57.3W	X	-	X	-	X	-	-	X	-	-	-

Drifting Buoys North Atlantic Ocean

WMO Buoy	ARGOS	Position: 17 June 1999		Observed or Technical Parameters										
ID	ID	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
44546	14538	45.4N	38.3W	-	-	X	X	X	-	-	X	-	-	-
44607	6216	52.7N	47.8W	X	-	X	X	X	-	-	X	-	-	-
44608	14540	49.0N	32.4W	-	-	X	X	X	-	-	X	-	-	-
44610	12734	53.8N	38.4W	-	-	X	X	X	-	-	X	-	-	-
62503	1362	46.4N	19.7W	-	-	S	S	X	-	-	X	-	-	-
62504	3009	46.6N	20.1W	X	S	X	X	S	-	-	X	-	-	-
62505	5790	46.2N	17.9W	X	X	X	X	X	-	-	X	-	-	-
62506	12733	45.1N	17.4W	X	-	X	X	X	-	-	X	-	-	-
62518	6149	32.9N	12.3W	-	-	S	S	X	-	-	X	-	-	-
62520	14431	37.8N	20.3W	-	-	X	X	X	-	-	-	-	-	-
62554	14430	39.1N	12.8W	-	-	X	X	X	-	-	-	-	-	-
64516	14176	64.8N	31.2W	-	-	X	X	X	-	-	X	-	-	-
64517	14178	58.8N	43.9W	-	-	X	X	X	-	-	X	-	-	-
64518	14180	61.4N	39.0W	-	-	X	X	X	-	-	X	-	-	-

UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

Moored Buoys, Light Vessels, Islands and Fixed Platforms

WMO Buoy	ARGOS	Position: 30 June 1999		Observed or Technical Parameters										
ID	ID	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
03007*		60°35'N	01°16'W	X	X	X	X	-	-	-	X	-	X	-
03010*		59°05'N	04°24'W	X	X	X	X	-	-	-	X	-	X	-
03011*		59°08'N	05°50'W	X	X	X	X	-	-	-	X	-	X	-
03014*		60°07'W	02°04'W	X	X	X	X	-	-	-	X	-	X	-
03695*		51°40'N	01°06'E	X	X	X	X	-	-	-	X	-	X	-
62001	22573	45 14'N	05 00'W	X	X	X	X	X	X	-	X	-	X	-
62026	21272	55°20'N	02°20'E	X	X	X	X	X	X	-	X	-	X	-
62029	04007	48°42'N	12°25'W	X	X	X	X	X	X	-	X	-	X	-
62081	21273	51°00'N	13°20'W	X	X	X	X	X	X	-	X	-	X	-
62101		50°37'N	02°44'W	X	X	X	X	X	X	-	X	-	X	-
62103**		49°55'N	02°54'W	X	X	X	X	X	X	-	X	-	X	X
62105	15829	55°37'N	12°41'W	X	X	X	X	X	X	-	X	-	X	-
62106	21274	57°00'N	09°52'N	X	X	X	X	X	X	-	X	-	X	-
62107**		50°04'N	06°04'W	X	X	X	X	X	X	-	X	-	X	X
62108	06262	53°34'N	19°30'W	X	X	X	X	X	X	-	X	-	X	-
62109	21271	57°00'N	00°00'E	X	X	X	X	X	X	-	X	-	X	-
62112*		58°42'N	01°17'E	X	X	X	X	-	-	-	X	-	X	-
62118*		57°45'N	00°55'E	X	X	X	X	-	-	-	X	-	X	-
62126*		58°51'N	03°35'W	X	X	X	X	-	-	-	X	-	X	-
62129*		53°03'N	02°14'E	X	X	X	X	-	-	-	X	-	X	-
62163	21270	47°30'N	08°30'W	X	X	X	X	X	X	-	X	-	X	-

62301		52°10'N	05°05'W	X	X	X	X	X	X	-	X	-	-	-
62302		54°08'N	03°37'W	X	X	X	X	X	-	-	X	-	-	-
62303	06264	51°37'N	05°09'W	X	X	X	X	X	X	-	X	-	X	-
62304**		51°09'N	01°47'E	X	X	X	X	X	X	-	-	-	X	X
62305**		50°25'N	00°00'W	X	X	X	X	X	X	-	-	-	X	X
63103*		61°14'N	01°09'E	X	X	X	X	-	-	-	X	-	X	-
63111*		59°33'N	01°32'E	X	X	X	X	-	-	-	X	-	X	-
64045	15825	59°15'N	11°41'W	X	X	X	X	X	X	-	X	-	X	-
64046	03718	60 30'N	05 00'W	X	X	X	X	X	X	-	X	-	X	-

Drifting Buoys

WMO Buoy	ARGOS	Position: 30 June 1999		Observed or Technical Parameters											
		ID	ID	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
48102	1261*	79.3N	131.7W	-	X	X	-	-	-	-	-	-	-	-	-
	1351	81.4N	48.4W	-	X	X	-	-	-	-	-	-	-	-	-
44621	12372	47.8N	38.7W	-	X	X	X	X	-	-	-	-	-	-	-
44614	12375	51.9N	16.4W		X	X	X	X	-	-	-	-	-	-	-
44780	26742	73.6N	12.1E	-	X		X	X	X						
44768	26746	67.5N	12.0E		X	X	X	X	-	-	-	-	-	-	-
44773	26751	62.0N	25.5W	X	X	X	X	X	-	-	-	-	-	-	-
44764	28464	48.7N	5.6W	-	X	X	X	X	-	-	-	-	-	-	-
44766	28465	55.5N	42.6W	-	X	X	X	X	-	-	-	-	-	-	-
44765	28466	33.7N	50.4W	-	X	X	X	X	-	-	-	-	-	-	-
44613	28467	37.8N	19.1W	-	X	X	X	X	-	-	-	-	-	-	-
65591	28468	58.1N	17.7W	X	X	X	X	X	-	-	-	-	-	-	-
44760	28469	53.6N	9.8W	-	X	X	X	X	-	-	-	-	-	-	-
44624	28470	56.5N	21.5W	-	X	X	X	X	-	-	-	-	-	-	-
44742	28471	44.7N	4.2W	-	X	X	X	X	-	-	-	-	-	-	-
44778	28473	47.5N	8.7W	X	X	X	X	X	-	-	-	-	-	-	-
65599	28477	61.9N	32.9W	-	X	X	X	X	-	-	-	-	-	-	-

**EUROPEAN GROUP ON OCEAN STATIONS (EGOS)
Drifting Buoys - North Atlantic**

(this list reflects those buoys not sending a separate national report)

• GERMANY

WMO Buoy	ARGOS	Position: 25 June 1999		Observed or Technical Parameters											
		ID	ID	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
64529	6669	61.269	-7.990	-	X	X	X	X	-	-	-	-	-	-	-
65594	2295	61.033	-30.510	-	X	X	X	X	-	-	-	-	-	-	-

• IRELAND

NONE TO REPORT (25 June 1999)

• THE NETHERLANDS

WMO Buoy	ARGOS	Position: 25 June 1999		Observed or Technical Parameters											
		ID	ID	Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11
65593	4228	60.200	-18.693	-	X	X	X	X	-	-	-	-	-	-	-
65595	4229	57.900	-36.393	-	X	X	X	X	-	-	-	-	-	-	-

• NORWAY

NONE TO REPORT (25 June 1999)

ARGOS SERVICE

ARGOS monthly status report

Date of Statistics computation: 3 May 1999

Reports handled by ARGOS Service
List of monthly collected ARGOSs platforms sorted by type of platform

DRIFTING BUOY	1170
MARINE STATION	133
MOORED BUOY	317
TERRESTRIAL ANIMALS	137
MARINE ANIMALS	145
BIRDS	158
BALLOONS	2
RAFOS FLOATS	129
FIXED STATION	624
TOTAL	2815

Reports inserted into the GTS
(List of monthly collected ARGOS platforms on indicated GTS sites sorted by type of platform)

INSERTED BY RTH TOULOUSE

DRIFTING BUOY	137
FIXED STATION	20
MOORED BUOYS	13

INSERTED BY RTH/WMC WASHINGTON

DRIFTING BUOY	598
FIXED STATIONS	31
GPS MOBILE	-
MOORED BUOY	70

CODING STATISTICS OF PLATFORMS
Reporting through ARGOS and distributed over the GTS

BATHY	351
BUOY	329079
SHIP	2245
SIMPLE	34603
SYNOP	41749
TOTAL	408027

Date of Statistics computation: 1 June 999

Reports handled by ARGOS Service
List of monthly collected ARGOSs platforms sorted by type of platform

DRIFTING BUOY	1166
MARINE STATION	131
MOORED BUOY	331
TERRESTRIAL ANIMALS	150
MARINE ANIMALS	156
BIRDS	168
BALLOONS	4
RAFOS FLOATS	128
FIXED STATION	626
TOTAL	2860

Reports inserted into the GTS
(List of monthly collected ARGOS platforms on indicated GTS sites sorted by type of platform)

INSERTED BY RTH TOULOUSE

DRIFTING BUOY	140
FIXED STATION	19
MOORED BUOYS	15

INSERTED BY RTH/WMC WASHINGTON

DRIFTING BUOY	583
FIXED STATIONS	30
GPS MOBILE	-
MOORED BUOY	69

CODING STATISTICS OF PLATFORMS
Reporting through ARGOS and distributed over the GTS

BATHY	393
BUOY	300724
SHIP	1804
SIMPLE	2695
SYNOP	35395
TOTAL	341011

II. CODES

WMO Publication No 306 - *Manual on Codes*

Volume I.1, Part A, Alphanumeric Codes

We draw the attention to all WMO Member Countries that FM 35 TEMP, Section 7 of Part B is mandatory. It shall always be reported with the groups: s_ar_ar_as_as_a (sounding system indication, radiosonde, system status) and 8GGgg (launch time).

For additional information please, see regulation 35.3.3.

Volume I.2, Part C, Common Code Tables

Section D - National Coding procedures with regard to International Code Forms

Page II-6-D-4 (page numbering for English version)

Under: ISRAEL

7wwW₁W₂

Change the last sentence:

Ww is coded 11, 12, 30 to 39 or 41 to 49 only when horizontal visibility is less than 1 kilometer.

III. GLOBAL TELECOMMUNICATION SYSTEM

REPLACEMENT OF OUTDATED LOCATION INDICATOR FOR LITHUANIA

Effective 1 July 1999 the location indicator EYHM will replace the outdated UMWW location indicator for Lithuania.

ADDITIONAL DATA AND PRODUCTS RELATED TO RESOLUTION 40 (Cg-XII)

The new 1999 edition list of Additional Data and Products, related to Resolution 40 (Cg-XII) is attached at the end of this Newsletter.

LIST OF RTH FOCAL POINTS

RTH	Zone of Responsibility	Focal Point Name	E-mail	Tel.	Fax.	Address	Country
Algiers	Algeria, Libyan Arab Jamahiriya, Morocco, Tunisia	Mr A. Kerbach		213 250 6878	213 250 7940	Office national de la Météorologie BP 153 DAR EL BEIDA	Algeria
Brazzaville	Congo, Cameroon, Central African Republic, Democratic Republic of the Congo, Equatorial Guinea, Gabon, Sao Tome and Principe						Congo
Cairo	Egypt, Libyan Arab Jamahiriya, Sudan	Mr M.A. Bekhiet		20 2 83 01 05	20 2 284 98 57	Egyptian Meteorological Authority P.O. Box 11784	Egypt
Dakar	Senegal, Ascension Is., Canary Is., Cape Verde, Cote d'Ivoire, Gambia, Guinea, Guinea-Bissau, Liberia, Madeira, Mali, Mauritania, Morocco, Nigeria, Sierra Leone, St. Helena Is.,	M. M. Sonko		221 820 1041	221 820 13 27	Direction de la Météorologie Nationale B.P. 5287. Aeroport L.S. Senghor,	Senegal
Lusaka	Zambia, Malawi, Zimbabwe	Mr G. Maheritona		260 1 25 27 28	260 1 25 27 28	Meteorological Department P.O. Box 30200	Zambia
Pretoria	South Africa (Gough & Marion Islands), Angola, Botswana, Comoros, Kerguelen, Lesotho, Madagascar, Malawi, Mauritius, Mozambique, Namibia, New Amsterdam, Reunion, Seychelles,	Mr T. Potgieter	potgieter@cirrus.sawb.gov.za	27 12 309 30 95	27 12 323 4518	South African Weather Bureau Department of Environment Affairs Private Bag X097	South Africa
Nairobi	Kenya, Burundi, Djibouti, Ethiopia, Reunion, Rwanda, Somalia, Tanzania (United Republic of), Uganda	Mr James Abongo	james.abongo@lilon.meteo.gr.kc	254 2 567 880	254 2 567 888/9	Kenya Meteorological Department P.O. Box 30259	Kenya
Niamey	Niger, Benin, Burkina Faso, Chad, Ghana, Nigeria, Togo	Mr Harouna Kimba		227 73 21 60	227 73 38 37	Météorologie nationale Service météorologique du Niger B.P. 218	Niger
Beijing	China, Democratic People's Republic of Korea, Viet Nam	Mr Shi Peiliang		86 10 621 72 277	86 10 621 74 797	China Meteorological Administration 46 Baishiqiao Road	China
Jeddah	Saudi Arabia, Bahrain, Kuwait, Oman, Qatar, United Arab Emirates, Yemen						Saudi Arabia

Khabarovsk	Russian Federation (Asia), Democratic People's Republic of Korea	Mr Y.I. Bukin	aspd@aspd.hbrw.mecom.ru	421 233 45 17	421 233 45 17	Dalnevostochnoe UGMS 18 Lenina street	Russian Federation
New Delhi	India,Bangladesh, Bhutan, Maldives, Myanmar, Nepal, Pakistan, Sri Lanka	Dr S.N. Srivastava	sris@ind.ernet.in	91 11 461 6051	91 11 469 9216	India Meteorological Department Mausam Bhavan Lodi Road	India
Novosibirsk	Russian Federation (Asia), Mongolia	Mr N.V. Virkhobsky		383 222 43 88	383 222 63 47	Zapadnosibirskoe UGMS 30 Sovyetskaya Street	Russian Federation
Bangkok	Thailand,Cambodia,Lao People's Democratic Republic,Myanmar, Viet Nam	Mr C. Eg-karntrong	Chaieg@metnet.tmd.go.th	662 398 9861	662 398 4597	Meteorological Department 4353 Sukumvit Road Bang-Na	Thailand
Tashkent	Uzbekistan, Afghanistan (Islamic State of), Kazakhstan, Kyrgyz Republic, Tajikistan, Turkmenistan	Mr V.E. Davydov	uzhymet@hmc.tashkent.su	7 3712 33 83 72	7 3712 33 20 25	Main Administration of Hydrology 72 Observatorskaya Street	Uzbekistan
Tehran	Iran (Islamic Republic of), Iraq, Pakistan, Yemen	Mr A. Borghei		98 21 600 40 41	98 21 646 90 44	Islamic Republic of Iran Meteorological Organization (IRMO) P O Box 13185-461	Islamic Republic of Iran
Tokyo	Japan,Hong Kong,China,Macau,Republic Of Korea	Mr H. Ichijo	h_ichijo@met.kishou.go.jp	81 3 3218 3825	81 3 3211 8404	Japan Meteorological Agency 1-3-4 Otemachi Chiyoda ku	Japan
Brasilia	Brazil	Mr J. Mauro de Rezende	jmauro@inmet.gov.br	55 61 226 6961	55 61 226 6967	Instituto Nacional de Meteorologia Eixo Monumental - via S1 70610-400 Brasilia DF	Brazil
Buenos Aires	Argentina, Bolivia, Chile, Islands in the South Atlantic, Paraguay, Peru, Uruguay	Mr J.M. Afonso	afonso@meteofa.mil.ar	54 1 311 71 76	54 1 311 39 68	Servicio Meteorologico Nacional 25 de Mayo 658	Argentina
Maracay	Venezuela, Colombia, Ecuador, French Guiana, Guyana, Suriname	MrTirso Carballo Gutierrez	semetfav@telcel.net.ve	58 43 544 021 or 546 975	58 43 546 975 or 338 043	Servicio de Meteorologia (FAV) Apartado de Correos 2197 Las Delicias Edo. Aragua	Venezuela
Washington	All Region IV	Mr J. Fenix	james.fenix@noaa.gov	1 301 713 08 77 ext. 129	1 301 608 09 11	National Weather Service, NOAA Room 5146, 1325 East West Highway, Silver spring, Md 20910	USA

Melbourne	Australia, Brunei Darussalam, East Timor, Fiji, French Polynesia, Indonesia, Kiribati, Malaysia, New Caledonia, Papua New Guinea, Philippines, Samoa, Singapore, Solomon Is., Tonga, Tuvalu.	Mr B. Sumner	b.sumner@bom.gov.au	613 9669 4349	613 9662 1222	Bureau of meteorology G.P.O. Box 1289 K Vic. 3001	Australia
Wellington	New Zealand and Adjacent Island, Cook Islands, Niue, Pitcairn, Tokelau	Mr Kevin Alder	alder@met.co.nz	64 4 472 9379	64 4 473 8231	Customer Services Manager Meteorological Service of New Zealand Ltd 30 Salamanca Road	New Zealand
Bracknell	United Kingdom, Greenland (Kalaallit Nunaat), Iceland, Ireland, Netherlands, Former Mike: LDWR	Ms P. Dickinson	pdickinson@meto.gov.uk	44 1 344 854 476	44 1 344 854 543	Meteorological Office London Road Berkshire	United Kingdom
Moscow	Russian Federation (Europe), Armenia, Azerbaijan, Belarus, Georgia, Republic of Moldova, Ukraine	Mr L. Bezrouk	bez@mshw.mecom.ru	7095 255 14 77	7095 252 55 04	Russian Federal Services for Hydrometeorology and Monitoring of the Environment Novovogankovskiy per. 12	Russian Federation
Norrköping	Sweden, Denmark and Faroe Islands, Feroe, Estonia, Finland, Latvia, Lithuania, Norway	Mr L. Brunfelt	lennart.brunfelt@smhi.se	46 11 158 553	46 11 170 207	Swedish Meteorological and Hydrological Institute	Sweden
Offenbach	Germany, Israel, Switzerland	Dr. H. Dunke	hdunke@dwd.d400.de	49 69 80 62 28 66	49 69 80 62 28 80	Deutscher Wetterdienst Zentralamt Frankfurter Str. 135	Germany
Prague	Czech Republic, Hungary, Poland, Slovakia	Mr L. Keller	keller@chmi.cz	420 2 4403 2130	420 2 4403 2128	Czech Hydrometeorological Institute Na Sabatce 17	Czech Republic
Rome	Italy, Greece, Lebanon, Malta, Turkey	Mr. G. Tarantino					Italy
Sofia	Bulgaria, Albania, Cyprus, Jordan, Romania, Syrian Arab Republic, The Former Yugoslav Republic of Macedonia, Yugoslavia	Ms M. Grueva		3592 72 22 71/75	3592 88 03 80	National Institut of Meteorology and Hydrology 66 Tzarigradsko chaussee Blvd	Bulgaria
Toulouse	France, Belgium, Portugal, Spain	Mr F. Dutartre	Francis.Dutartre@meteo.fr	33 5 61 07 81 50	33 5 61 07 81 09	Service central d'exploitation de la Météorologie SCEM/TTI/OP 42 avenue G. Coriolis	France
Vienna	Austria, Croatia, Slovenia	Mr H. Cordes	horst.cordes@ austrocontrol.co.at	443 1 1703 4280	443 1 1703 4006	Austro Control Osterreichische Gesellschaft für Zivilluftfahrt mbH Schnirchgasse 11	Austria

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, implemented stations which are closed or suspended for a certain period, or stations making observations that do not reach their NMCs, a special table accompanied by explanatory notes is included in this Newsletter. The table will 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 table attached as and when appropriate, and to return it to the Secretariat before the 20th of every other month, i.e. February, April, June, August, October, December, to enable changes to be included in the next "Newsletter".

Explanatory Notes

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.

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

Column A:

The station index number (IIiii) and station name;

Column B:

Latitude and Longitude in degrees and minutes with the appropriate letters (N, S, E and W);

Column C:

The TTAAii CCCC of the abbreviated headings of the meteorological bulletins which contain 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 = Elevation of the station in metres (the datum level to which barometric pressure reports at the station refer);

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

HA = Official altitude of the aerodrome given for stations located on aerodromes 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 ₀ P ₀ P ₀ P ₀
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.

These tables should be sent to:

World Meteorological Organization
Public Weather and Operational
Information Unit
7 bis, Avenue de la Paix
Case postale No. 2300
CH-1211 GENEVA 2
Switzerland

BEFORE the 15th of the month

for inclusion in the
"OPERATIONAL NEWSLETTER"

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

Country: _____

Date effective: _____

Type of Exchange G=Global R=Regional	Type of station S=SYNOPI T=TEMP P=PILOT	(A)		(B)		(C)	(D)							(E)		(F)	(G)
		Index No.	Station Name	Position		Bulletin Identification	Implementation of Observing Programme							Elevation		Pres- sure Level	Remarks
Lati tude	Longitude			TTAAii CCCC	00	03	06	09	12	15	18	21	HP	H/HA			
