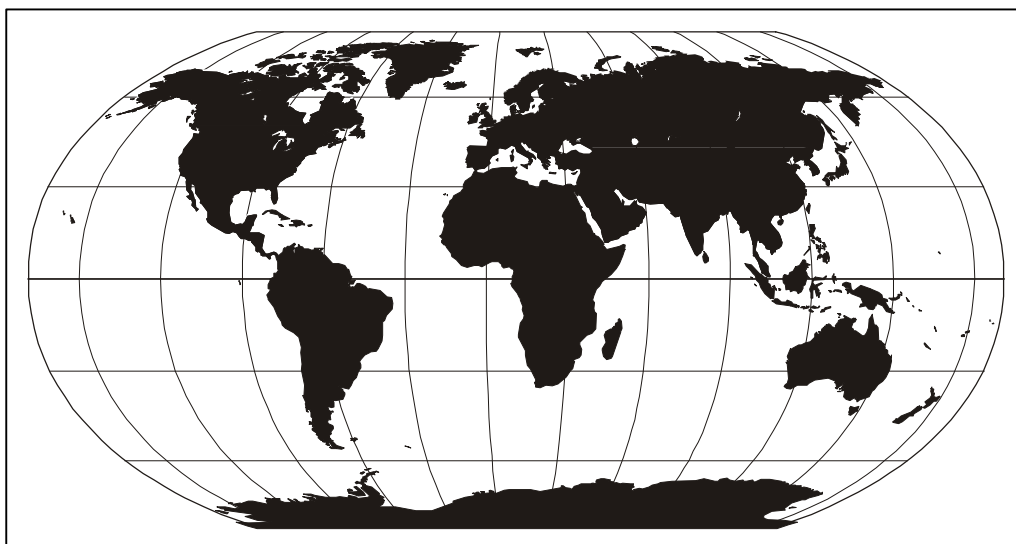




OPERATIONAL NEWSLETTER

World Weather Watch and Marine Meteorological Services



**WORLD METEOROLOGICAL ORGANIZATION
GENEVA
SWITZERLAND**

No. 03/04- 2002
(March/April 2002)

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EDITORIAL

The Operational Newsletter, issued since 1982 at the request of the Commission for Basic Systems, provides information on the World Weather Watch and Marine Meteorological Services. It is disseminated 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

PLEASE check our World Weather Watch home page for the most recent edition. Alternatively

send us your email address, and we will contact you when the Newsletter is available.

Internet:

Rising costs demand that we scale down the distribution of the Newsletter by letter mail, so we strongly encourage our readers to help us become more cost-effective by using our on-line service which is available over the internet at the following url:

For access via http:

<http://www.wmo.ch/web/ddbs/jen/Newsletters/index.html>

For access via ftp:

<ftp://www.wmo.ch/wmo-ddbs/OperationalInfo/Newsletters/>

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To view the Newsletter electronically you require "Adobe Acrobat Reader", which can be downloaded at the following location:

<http://www.adobe.com/prodindex/Acrobat/readstep.html> (full instructions on installation and use are provided).

Subscriptions:

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Dear Reader,

The twelfth session of CBS (CBS-XII) (Geneva, 2000) recalled that the objective of the Operational Information Service (OIS) was to collect from and distribute to WMO Members and WWW Centres detailed and up-to-date information on facilities, services and products made available in the day-to-day operation of the WWW. This Service includes *WMO Publication No. 9 – Weather Reporting* - as well as *WMO Publication No. 47 – International List of Selected, Supplementary and Auxiliary Ships*, METNO messages and the *WWW Operational Newsletter*.

The *WMO Publications No. 9 and 47* are distributed on CD-ROMs once a year as from this year, and their updated versions are available on the Internet via the WMO home page at the following site: <http://www.wmo.ch/web/ddbs/publicat.html>. The changes to the *WMO Publication No. 9 - Volumes A, C1, C2 and D* – are weekly distributed on the GTS through METNO/WIFMA messages.

The Operational Newsletter, which is issued every two months, aims at providing a summary of the latest operational information on the GOS, GDPS, GTS, DM, codes and the Marine Meteorological Services. It is available on the Internet at the following site: <http://www.wmo.ch/web/ddbs/jen/Newsletters/index.html>. The Newsletter is also at present distributed on a paper format.

Producing the Newsletter only in an electronic format and accessing it through the Internet allows a new publishing approach for the Newsletter. Relatively static information regularly inserted into the present Newsletter (e.g. lists of buoys) may be excluded from the Newsletter and replaced with a link to the relevant page of the server. The Newsletter should continue to contain summaries of the changes of the operational information since the previous Newsletter edition, such as a summary of the significant changes to *WMO Publication No. 9*, and urgent notifications. The Newsletter will include the URL for all information sets referred to in the Newsletter or relevant otherwise. The size of the Newsletter could be kept within limits (e.g. 200 Ko), with a view to facilitating downloading through the Internet. The principle to issue the Newsletter every two months will be kept for the near future. However, the dispatch of the electronic version through the Internet would make it possible to release the Newsletter at irregular dates. The use of this flexibility can be envisaged in a next phase.

The second session of the CBS Management Group (Sydney, December 2001) agreed that the Newsletter should be distributed via electronic mail and accompanied by an announcement that the latest edition is also available on the WMO Internet Server.

In view of the above and in light of the high cost annotated with the production and dispatch of the Newsletter on paper, it is planned to stop the distribution of the Newsletter on paper as from the May-June 2002 edition. You are invited to confirm your wish to receive or continue receiving the announcement of a new edition of the *Newsletter* through the Internet by filling in the attached form that is also available in the WMO server at:

<http://www.wmo.ch/web/ddbs/jen/Newsletters/index.html>
<ftp://www.wmo.ch/wmo-ddbs/OperationalInfo/Newsletters/2002/01022002>

and by sending the completed form to: Best_J@gateway.wmo.ch.



WORLD METEOROLOGICAL ORGANIZATION

**PLEASE complete this form
if you wish to be sent an electronic reminder on availability of
the Newsletter**

First Name: _____

Last Name: _____

Title: _____

Department _____

Meteorological Service: _____

Country _____

Email Address: _____

Select one of the following options:

- I would like to receive an email announcing new editions of the Newsletter and will retrieve the Newsletter from the WMO server.
- I would like to receive an email announcement together with the Newsletter as an email attachment.

(For your information please note that the size of the electronic format of the newsletter would be below 200 Koctets.)

Please return this form to: Best_J@gateway.wmo.ch

MEETINGS SCHEDULED - 2002

Related to: The World Weather Watch and Marine Meteorological Services

Date	Place	Title of the Meeting	
31.V.-1.VI.2002	Moscow, Russian Federation	CBS Management Group (restricted session)	WWW-B
13-15.VI.2002	Biarritz, France	Global Ocean Data Assimilation Experiment (GODAE) Symposium (co-sponsored by WMO)	WWW-A
24-27.VI.2002	Geneva, WMO Secretariat	JCOMM Capacity Building Programme Area Coordination Group - First session	WWW-A
24-28.VI.2002	ECMWF, Reading, United Kingdom	Expert Meeting on GDPS Solutions for Data Quality Monitoring Procedures	WWW-B
3-7.VI.2002	Moscow, Russian Federation	CBS Implementation Coordination Team on Data Processing and Forecasting Systems	WWW-B
20-21.VI.2002	Sofia, Bulgaria	Seventh session of the RMDCN Operations Committee (ROC)	WWW-B
1-5.VII.2002	Oxford, United Kingdom	Expert Team Meeting on Observational Data Requirements and Redesign of the GOS (reduced session)	WWW-B
8-12.VII.2002	Reading, United Kingdom	Training Seminar on the Application and Interpretation of NWP Products in Aviation Forecasting	WWW-A
16-25.VII.2002	Tokyo, Japan	Typhoon Operational Forecasting Training at RSMC Tokyo-Typhoon Center (co-sponsored by WMO)	WWW-A
September 2002 (tentative)	(Place to be decided)	OPAG/IOS Expert Team on Requirements for Data from Automatic Weather Stations	WWW-B
2-6.IX.2002	Geneva, WMO Secretariat	Expert Team on Requirements for Data from Automatic Weather Stations (ET-AWS) - Second session	WWW-B
9-13.IX.2002	Geneva, WMO Secretariat	CBS Implementation Coordination Team on Information Systems and Services	WWW-B
9-27.IX.2002	Montreal, Canada (tentative)	Commission for Aeronautical Meteorology - Twelfth session (conjoint session with ICAO MET Division)	WWW-A
11-14.IX.2002	Lisbon, Portugal	JCOMM Expert Team on Maritime Safety Services - First session	WWW-A
14-26.IX.2002	Bahrain	RA II / RA VI Regional Training Seminar on Interpretation of GDPS Products and Improvement of Public Weather Services	WWW-A/ WWW-B
23.IX.-4.X.2002	Melbourne, Australia	Fifth Southern Hemisphere Training Course on Tropical Cyclones (co-sponsored by WMO)	WWW-A
23-25.IX (a.m.).2002	Bratislava, Slovakia	Technical Conference on Meteorological and Environmental Instruments and Methods of Observation (TECO-2002)	WWW-B
25.IX (p.m.)-3.X.2002	Bratislava, Slovakia	Commission for Instruments and Methods of Observation - Thirteenth session	WWW-B
September 2002 (Date to be decided)	Geneva, WMO Secretariat	Expert Meeting on GDPS Products Requirements and Delivery Matters	WWW-B
23-27 September 2002	South Africa	Task Team on Future WMO Information Systems - Fourth session	WWW-B
30.IX.-4.X.2002	Ottawa, Canada	Fifth AMDAR Panel Meeting	WWW-A
14-18.X.2002	Geneva, WMO Secretariat	Implementation Coordination Team Meeting on Integrated Observing Systems	WWW-B
7-9.X.2002	Geneva, WMO Secretariat	Workshop on Radio Frequencies for Meteorology	WWW-B
7-11.X.2002	Melbourne, Australia	Regional Public Weather Services Workshop for Small Island Developing States (SIDS) from RA I and RA V	WWW-A
14-18.X.2002	Martinique, France	Data Buoy Cooperation Panel - Eighteenth session	WWW-A
14-18.X.2002	Geneva, WMO Secretariat	CBS/OPAG/IOS Implementation Coordination Team on the Global Observing System (ICT-GOS) - Second session	WWW-B
14-25.X.2002	Lima, Peru	RA III / RA IV Regional Training Seminar on Data Processing and Forecasting Systems and Improvement of Public Weather Services	WWW-A/ WWW-B
21-23.X.2002	Martinique, France	ARGOS Joint Tariff Agreement - Twenty-first session	WWW-A
21-25.X.2002	Buenos Aires, Argentina	JCOMM Expert Team on Sea Ice - First session	WWW-A

1-9.XI.2002	Mauritius	Indian Ocean GOOS Conference and second WIOMAP Planning Meeting	WWW-A
4-8.XI.2002	Athens, Greece	Implementation Coordination Team on Public Weather Services	WWW-A
11-15.XI.2002	Gaborone, Botswana	RA I Training Workshop on Upper-air Observations (in English)	WWW-B
19-25.XI.2002	Chiang Mai, Thailand	ESCAP/WMO Typhoon Committee - Thirty-fifth session	WWW-A
25-27.XI.2002	Geneva, WMO Secretariat	EC Working Group on Antarctic Meteorology - Eighth session	WWW-B
26-29.XI.2002	Nadi, Fiji	Fourth Tropical Cyclone RSMCs Technical Coordination Meeting	WWW-A
30.XI.2002	Nadi, Fiji	Expert Meeting on the Formulation of TCP Sub-Project 23 (Part I)	WWW-A
2-3.XII.2002	Cairns, Australia	Conference on Data Processing and Forecasting Systems	WWW-B
4-12.XII.2002	Cairns, Australia	Commission for Basic Systems - Extraordinary session	WWW-B
7.XII.2002	Cairns, Australia	Expert Meeting on the Formulation of TCP Sub-Project 23 (Part II)	WWW-A

MEETINGS SCHEDULED - 2003

Date	Place	Title of the Meeting	
March 2003 (Date to be decided)	Geneva, WMO Secretariat	Second Technical Conference on the Participation of Women in Meteorology and Hydrology	WWW-A

TERMINOLOGY USED:

ARGOS	Data relay and platform location system (Sat.)	JCOMM	Joint WMO/IOC Technical Commission for Oceanography and Marine Meteorology
ASAP	Automated Shipboard Aerological Programme	JTA	ARGOS Joint Tarif Agreement
CBS	Commission for Basic Systems	NOAA	National Oceanic and Atmospheric Administration
CIMO	Commission for Instruments and Methods of Observation	NWP	Numerical weather prediction
DBCP	Data Buoy Cooperation Panel	OPAG	Open Programme Area Group
DPFS	Data-processing and Forecasting Systems	PWS	Public Weather Services
GDPS	Global Data-processing System	RA I	Regional Association I (Africa)
GOS	Global Observing System	RA II	Regional Association II (Asia)
GOOS	Global Ocean Observing System	RA III	Regional Association III (South America)
GTS	Global Telecommunication System	RA IV	Regional Association IV (North and Central America)
IDNDR	International Decade for Natural Disaster Reduction	RA V	Regional Association V (South-West Pacific)
IOC	Intergovernmental Oceanographic Commission	RA VI	Regional Association VI (Europe)
IOS	Integrated Observing Systems	WWW	World Weather Watch Department
ISS	Information Systems and Services		

I. GLOBAL OBSERVING SYSTEM

1. 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	13	Dew Point
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	B	Buoy beached, sensor reporting
7	Wave spectra	N	No sensor installed
8	Drogued	Q	Data questionable, but reported
9	Subsurface temperatures	R	Buoy Retrieved
10	Relative humidity	S	Sensor/system failure
11	Visibility	D	Buoy off station or adrift

CANADA ODAS REPORT

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

WMO Buoy ID	ARGOS ID	Position:2 April 2002		Observed or Technical Parameters												
		Latitude / Longitude		1	2	3	4	5	6	7	8	9	10	11	12	13
46004	7191	50 55 ' N	136 05 ' W	S	S	X	X	X	X	X	N/A	-	-	-	-	-
46036	7190	48 21 ' N	133 56 ' W	S	S	S	S	S	S	S	N/A	-	-	-	-	-
46131	N/A	49 54 ' N	124 59 ' W	X	X	X	X	X	S	S	N/A	-	-	-	-	-
46132	8678	49 44 ' N	127 56 ' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46145	7185	54 23 ' N	132 27 ' 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	4485	51 50 ' N	131 14 ' W	S	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	7191	53 37 ' N	131 07 ' W	S	S	S	S	S	S	S	N/A	-	-	-	-	-
46184	5324	53 56 ' N	138 53 ' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46185	7183	52 26 ' N	129 49 ' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46204	7184	51 22 ' N	128 45 ' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46205	7186	54 10 ' N	134 17 ' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46206	7140	48 50 ' N	126 00 ' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46207	7187	50 53 ' N	129 55 ' W	S	S	X	X	X	X	X	N/A	-	-	-	-	-
46208	7194	52 31 ' N	132 42 ' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-

Moored Buoys - North-west Atlantic Ocean

WMO Buoy ID	ARGOS ID	Position:2 April 2002		Observed or Technical Parameters												
		Latitude / Longitude		1	2	3	4	5	6	7	8	9	10	11	12	13
44137	5579	41 50 ' N	060 56 ' W	S	X	X	X	X	X	X	N/A	-	-	-	-	-
44138	5577	44 16 ' N	053 37 ' W	S	S	S	S	S	S	S	N/A	-	-	-	-	-
44139	3448	44 16 ' N	057 23 ' W	S	S	S	S	S	S	S	N/A	-	-	-	-	-
44140	5576	43 45 ' N	051 44 ' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
44141	3449	42 06 ' N	056 13 ' W	S	X	X	X	X	X	X	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	.	.	.	.	.	.	.	N/A	-	-	-	-	-
44258	9232	44 30 ' N	063 24 ' 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 ID	ARGOS ID	Position:2 April 2002		Observed or Technical Parameters												
		Latitude / Longitude		1	2	3	4	5	6	7	8	9	10	11	12	13
45132*	N/A	42 28' N	081 13' W	.	.	.	.	.	.	.	N/A	-	-	-	-	-
45135	N/A	43 47' N	076 52' W	S	S	S	S	S	S	S	N/A	-	-	-	-	-
45136*	N/A	48 32' N	086 57' W	.	.	.	.	.	.	.	N/A	-	-	-	-	-
45137*	N/A	45 33' N	081 01' W	.	.	.	.	.	.	.	N/A	-	-	-	-	-
45138*	3436	49 33' N	065 46' W	.	.	.	.	.	.	.	N/A	-	-	-	-	-
45139	N/A	43 24' N	079 27' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
45140*	N/A	50 47' N	096 44' W	.	.	.	.	.	.	.	N/A	-	-	-	-	-
45141*	N/A	61 11' N	115 19' W	.	.	.	.	.	.	.	N/A	-	-	-	-	-
45142*	N/A	42 44' N	079 21' W	.	.	.	.	.	.	.	N/A	-	-	-	-	-
45143*	N/A	44 57' N	080 38' W	.	.	.	.	.	.	.	N/A	-	-	-	-	-
45144*	8671	53 12' N	098 50' W	.	.	.	.	.	.	.	N/A	-	-	-	-	-
45145*	N/A	51 27' N	096 42' W	.	.	.	.	.	.	.	N/A	-	-	-	-	-
45147*	N/A	42 26' N	082 41' W	.	.	.	.	.	.	.	N/A	-	-	-	-	-
45148*	N/A	49 42' N	094 31' W	.	.	.	.	.	.	.	N/A	-	-	-	-	-
45149*	N/A	43 33' N	082 05' W	.	.	.	.	.	.	.	N/A	-	-	-	-	-
45150*	N/A	61 59' N	114 08' W	.	.	.	.	.	.	.	N/A	-	-	-	-	-
45151*	N/A	44 30' N	079 22' W	.	.	.	.	.	.	.	N/A	-	-	-	-	-
45152*	N/A	46 14' N	079 43' W	.	.	.	.	.	.	.	N/A	-	-	-	-	-
45154*	N/A	46 03' N	082 38' W	.	.	.	.	.	.	.	N/A	-	-	-	-	-
45158*	N/A	59 00' N	094 00' W	.	.	.	.	.	.	.	N/A	-	-	-	-	-

* Buoy removed from station due to seasonal shutdown, mooring failure or badly damaged

Drifting Buoys - Pacific Ocean (SSVX04 CWEG)

WMO Buoy ID	ARGOS ID	Position:2 April 2002		Observed or Technical Parameters												
		Latitude / Longitude		1	2	3	4	5	6	7	8	9	10	11	12	13
46632	33066	47 12' N	146 24' W	.	.	S	S	X	.	.	X	-	-	-	-	-
46657	33069	48 12' N	157 24' W	.	.	X	X	X	.	.	X	-	-	-	-	-
46660	33070	46 00' N	155 42' W	.	.	X	X	X	.	.	X	-	-	-	-	-
46692	33073	46 24' N	151 30' W	.	.	X	X	X	.	.	X	-	-	-	-	-
46695	33068	51 18' N	154 54' W	.	.	X	X	X	.	.	X	-	-	-	-	-
46698	33074	46 54' N	145 12' W	.	.	X	X	X	.	.	X	-	-	-	-	-
46700	12517	50 48' N	140 48' W	S	S	X	X	X	.	.	X	-	-	-	-	-
46701	33071	44 12' N	157 42' W	.	.	X	X	X	.	.	X	-	-	-	-	-
46702	33012	45 36' N	149 24' W	S	.	X	X	X	.	.	X	-	-	-	-	-
46705	33072	42 54' N	154 12' W	.	.	X	X	X	.	.	X	-	-	-	-	-
46707	33067	49 36' N	144 54' W	.	.	X	X	X	.	.	X	-	-	-	-	-
46710	12516	33 06' N	142 42' W	X	X	X	X	X	.	.	X	-	-	-	-	-

Remarks:

44137 - Buoy serviced Oct 21/00. Missing messages.
 Winds failed Aug 11/01 12Z.
 44140 - Buoy deployed June 17/01.
 44141 - Buoy serviced Oct 24/00. Winds failed April 16/01 05Z.
 44142 - Buoy serviced May 19/01.
 44251 - Buoy xmitting weather messages using ARGOS. Switched back to GOES May 7/01
 44255 - Buoy adrift Nov 12. Recovered Nov 15/01.
 44258 - Buoy serviced Sept 10/01.
 45132 - Buoy removed for Winter Dec 21/01.

45136 - Buoy removed for the Winter Dec 8/01.
 45137 - Buoy removed for the Winter Nov 6/01.
 45138 - Buoy removed for the Winter Nov 15/01.
 45139 - Buoy back in service Jul 16/01 19Z.
 45140 - Buoy removed for the Winter Nov 2/01.
 45141 - Buoy removed for the Winter Oct 22/01.
 45142 - Buoy removed for the Winter Nov 18/01.
 45143 - Buoy removed for the Winter Oct 31/01.
 45144 - Buoy removed for the winter Nov 10/00.
 45145 - Buoy removed for the Winter Nov 3/01.
 45147 - Buoy removed for the Winter Nov 28/01.
 45148 - Buoy removed for the Winter Oct 29/01.

45149 - Buoy removed for the Winter Nov 29/01.
 45150 - Buoy removed for the Winter Oct 22/01.
 45151 - Buoy removed for the Winter Oct 16/01.
 45152 - Buoy removed for the Winter Oct 30/01.
 45154 - Buoy removed for the Winter Nov 4/01.
 45158 - Buoy removed for the Winter Oct 11/01.
 46004 - Air Temperature turned off Jan 5/02. Winds u/s Jan 25/02.
 46131 - Transmitting via Argos. Wave data suppressed Mar 18/02.
 46132 - Buoy serviced May 4/01.
 46145 - Buoy serviced May 12/01.
 46146 - Buoy serviced Feb 22/01.
 46147 - Wind sensors replaced Jan 18/02.
 46183 - Buoy serviced May 17/01.
 46184 - Buoy serviced May 10/01.
 46185 - Redeployed in new location Feb 27/02. Intmt since March 28/02 00Z
 46204 - Buoy serviced May 6/01.
 46205 - Serviced Feb 22/02.
 46206 - Serviced Feb 8/02.
 46207 - Air temp u/s Jan 21/02. Winds u/s Feb 3/02.
 46208 - Buoy serviced May 14/01.

46632 - Woce Drifter deployed Sep 6/01. Pressure u/s Feb 12/02.
 46657 - Woce Drifter deployed Sep 5/01.
 46660 - Woce Drifter deployed Sep 5/01.
 46692 - Woce Drifter deployed Jul 16/01.
 46695 - Woce Drifter deployed Sep 6/01.
 46698 - Woce Drifter deployed Jul 17/01.
 46700 - Toga Drifter deployed Jul 16/01. Air Temperature u/s. Wind u/s Feb 01/02.
 46701 - Woce Drifter deployed Sep 5/01.
 46702 - Woce Drifter deployed Oct 4/01. Wind data operational Feb 23/02.
 46705 - Woce Drifter deployed Sep 5/01.
 46707 - Woce Drifter deployed Sep 6/01.
 46710 - Toga Drifter deployed Jan 7/00.

Failed:

44138 - Argos transmitter failed Dec/00.
 44139 - Payload failed Dec 8/00.
 45135 - Payload failed Jan 18/02.
 46036 - Power problems. Buoy failed Jan 4/02.
 46183 - Transmitter failed Mar 18/02.

UNITED STATES OF AMERICA
Moored Buoys

A new buoy, (Station 42041), sponsored by MMS, has been deployed in the Gulf of Mexico.

WMO Buoy ID	ARGOS ID	Position: 9-16 May 2002		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
41001*		34.68N / 72.23W	X	X	X	-	X	X	X	X	-	-	-	-	-	N
41002*		32.36N / 75.46W	X	X	X	-	X	X	X	X	-	-	-	-	-	N
41004*		32.50N / 79.10W	X	X	X	-	X	X	X	X	-	-	-	-	-	X
41008*		31.40N / 80.87W	X	X	X	-	X	X	X	X	-	-	-	-	-	X
41009		28.50N / 80.18W	X	X	X	-	X	X	X	X	-	-	-	-	-	N
41010		28.91N / 78.55W	X	X	X	-	X	X	X	X	-	-	-	-	-	N
42001*		25.92N / 89.68W	X	X	X	-	X	X	X	X	-	-	-	-	-	X
42002*		25.90N / 93.59W	X	X	X	-	X	X	X	X	-	-	-	-	-	X
42003*		25.88N / 85.95W	X	X	X	-	X	X	X	X	-	-	-	-	-	X
42007*		30.09N / 88.77W	X	X	X	-	X	X	X	X	-	-	-	-	-	X
42019*		27.92N / 95.36W	X	X	X	-	X	X	X	X	-	-	-	-	-	X
42020*		26.95N / 96.70W	X	X	X	-	X	X	X	X	-	-	-	-	-	X
42035*		29.25N / 94.42W	X	X	X	-	X	X	X	X	-	-	-	-	-	X
42036*		28.51N / 84.51W	X	X	X	-	X	X	X	X	-	-	-	-	-	X
42039		28.80N / 86.06W	X	X	X	-	X	X	X	X	-	-	-	-	-	X
42040		29.21N / 88.20W	X	X	X	-	X	X	X	X	-	-	-	-	-	X
42041		27.50N / 90.50W	X	X	X	-	X	X	X	X	-	-	-	-	-	X
44004*		38.50N / 70.47W	X	X	X	-	X	X	X	X	-	-	-	-	-	N
44005*		43.17N / 69.22W	X	S	X	-	X	X	X	X	-	-	-	-	-	N
44007*		43.53N / 70.14W	X	X	X	-	X	X	X	X	-	-	-	-	-	X
44008*		40.50N / 69.43W	X	X	X	-	X	X	X	X	-	-	-	-	-	X
44009*		38.46N / 74.70W	X	X	X	-	X	X	X	X	-	-	-	-	-	X
44011*		41.06N / 66.58W	X	X	X	-	X	X	X	X	-	-	-	-	-	X
44013*		42.35N / 70.69W	X	X	X	-	X	X	X	X	-	-	-	-	-	X
44014		36.58N / 74.84W	X	X	X	-	X	X	X	X	-	-	-	-	-	X

44025*		40.25N / 73.17W	X	X	X	-	X	X	X	-	-	-	-	-	X
45001*		48.06N / 87.78W	X	X	X	-	X	X	X	-	-	-	-	-	N
45002*		45.33N / 86.42W	X	X	X	-	X	X	X	-	-	-	-	-	N
45003*		45.35N / 82.84W	X	X	X	-	X	X	X	-	-	-	-	-	N
45004*		47.56N / 86.55W	X	X	X	-	X	X	X	-	-	-	-	-	N
45005*		41.68N / 82.40W	X	X	X	-	X	X	X	-	-	-	-	-	N
45006*		47.32N / 89.87W	X	X	X	-	X	X	X	-	-	-	-	-	N
45007*		42.67N / 87.02W	X	X	X	-	X	X	X	-	-	-	-	-	N
45008*		44.28N / 82.42W	X	X	X	-	X	X	X	-	-	-	-	-	N
45012*		43.62N / 77.41W	X	X	X	-	X	X	X	-	-	-	-	-	N
46001*		56.30N / 148.17W	X	X	X	-	X	X	X	-	-	-	-	-	N
46002*		42.52N / 130.32W	X	X	X	-	X	X	X	-	-	-	-	-	N
46005*		46.05N / 131.02W	X	X	X	-	X	X	X	-	-	-	-	-	N
46006*		40.84N / 137.49W	X	X	X	-	X	X	X	-	-	-	-	-	N
46011*		34.88N / 120.87W	X	X	X	-	X	X	X	-	-	-	-	-	X
46012*		37.45N / 122.70W	X	X	X	-	X	X	X	-	-	-	-	-	X
46013*		38.23N / 123.32W	X	X	X	-	X	X	X	-	-	-	-	-	N
46014*		39.22N / 123.97W	X	X	X	-	X	X	X	-	-	-	-	-	N
46022*		40.72N / 124.52W	X	X	X	-	X	X	X	-	-	-	-	-	N
46023*		34.71N / 120.97W	X	X	X	-	X	X	X	-	-	-	-	-	X
46025*		33.75N / 119.08W	X	X	X	-	X	X	X	-	-	-	-	-	N
46026*		37.76N / 122.83W	X	X	X	-	X	X	X	-	-	-	-	-	N
46027*		41.85N / 124.38W	X	X	X	-	X	X	X	-	-	-	-	-	N
46028*		35.74N / 121.89W	X	X	X	-	X	X	X	-	-	-	-	-	N
46029*		46.12N / 124.51W	X	X	X	-	X	X	X	-	-	-	-	-	X
46035*		57.08N / 177.71W	S	S	S	-	S	S	S	-	-	-	-	-	S
46041*		47.34N / 124.75W	S	S	S	-	S	S	S	-	-	-	-	-	N
46042*		36.75N / 122.42W	X	X	X	-	X	X	X	-	-	-	-	-	X
46047*		32.43N / 119.53W	X	X	X	-	X	X	X	-	-	-	-	-	N
46050*		44.61N / 124.50W	X	X	X	-	X	X	X	-	-	-	-	-	N
46053*		34.24N / 119.85W	X	X	X	-	X	X	X	-	-	-	-	-	N
46054		34.27N / 120.45W	D	D	D	-	D	D	D	-	-	-	-	-	N
46059*		37.99N / 129.95W	X	X	X	-	X	X	X	-	-	-	-	-	N
46060*		60.58N / 146.83W	X	X	X	-	X	X	X	-	-	-	-	-	N
46061*		60.22N / 146.83W	X	X	X	-	X	X	X	-	-	-	-	-	N
46062		35.10N / 121.01W	X	X	X	-	X	X	X	-	-	-	-	-	X
46063*		34.28N / 120.67W	X	X	X	-	X	X	X	-	-	-	-	-	N
46066*		52.65N / 155.00W	S	X	X	-	X	X	X	-	-	-	-	-	N
46079*		59.05N / 152.23W	D	D	D	-	D	D	D	-	-	-	-	-	D
46083*		58.25N / 138.00W	S	S	S	-	S	S	S	-	-	-	-	-	S
51001*		23.40N / 162.27W	X	X	X	-	X	X	X	-	-	-	-	-	N
51002*		17.15N / 157.79W	X	X	X	-	X	X	X	-	-	-	-	-	N
51003*		19.16N / 160.74W	X	S	X	-	X	X	X	-	-	-	-	-	N
51004*		17.44N / 152.52W	X	X	X	-	X	X	X	-	-	-	-	-	N
51028		0.00N / 153.91W	X	X	X	-	X	X	X	-	-	-	-	-	N

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

Total Base Funded Buoys:	61
Total Other Buoys :	09
Total Moored Buoys :	70

Remarks: (mm/dd/yy)

41010 - Wind and air temperature data failed 4/2/02, restored 5/12/02.
 42020 - Dew point data failed 1/29/02. In service 5/10/02, barometer data failed 5/12/02.

44005 - Air temperature data failed 4/18/02
 44009 - Dew point data intermittent.
 44014 - Dew point data intermittent.
 46012 - Parity errors in wave data.
 46025 - Parity errors in wave data.

46030 - Station disestablished 5/7/02.
 46035 - Dew point data failed 12/13/01, all buoy data failed 1/31/02, service scheduled week of 7/8/02.
 46041 - Buoy data failed 2/21/02.
 46054 - Buoy adrift 1/30/02, recovered to port 1/31/02, service scheduled 5/20/02.
 46066 - Wind data failed 3/6/02, service scheduled 6/02.

46079 - Buoy data failed 1/24/02, recovered to port 7/8/02.
 46083 - Buoy data failed 1/1/02, service scheduled week of 7/8/02.
 51003 - Air temp data failed 1/16/01.

AUSTRALIA
Drifting Buoys

WMO Buoy ID	ARGOS ID	Position: 30 April 2002		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
52626	2489	-13.362	139.4	X	X	X	X	X	-	-	X	-	-	-	-	-
52627	2945	-15.222	138.818	X	X	X	X	X	-	-	X	-	-	-	-	-
53549	4873	-16.003	120.047	-	-	X	-	X	-	-	X	-	-	-	-	-
53550	8590	-11.178	117.489	X	-	X	X	X	-	-	X	-	-	-	-	-
56511	1869	-25.714	61.777	-	X	X	X	X	-	-	X	-	-	-	-	-
56512	2933	-53.895	-174.829	-	X	X	X	X	-	-	X	-	-	-	-	-
56513	2950	-27.51	96.333	X	X	X	X	X	-	-	X	-	-	-	-	-
56514	2935	-51.933	-143.971	-	X	X	X	X	-	-	X	-	-	-	-	-
56515	2936	-43.782	-175.198	-	X	X	X	X	-	-	X	-	-	-	-	-
56516	2938	-53.324	-144.164	-	X	X	X	X	-	-	X	-	-	-	-	-
56517	4879	-61.713	141.596	-	X	X	X	X	-	-	X	-	-	-	-	-
56518	2930	-48.625	148.014	-	X	X	X	X	-	-	X	-	-	-	-	-
56519	4878	-52.663	137.563	-	X	X	X	X	-	-	X	-	-	-	-	-
56520	8591	-21.187	105.879	X	-	X	X	-	-	-	X	-	-	-	-	-
56521	4874	-20.278	88.386	-	X	X	X	X	-	-	X	-	-	-	-	-
56522	8036	-30.889	88.942	-	X	X	X	X	-	-	X	-	-	-	-	-
56535	2939	-28.379	72.122	-	X	X	X	X	-	-	X	-	-	-	-	-
74534	4871	-54.203	133.333	-	F	X	X	X	-	-	X	-	-	-	-	-
74535	2695	-60.56	98.019	-	X	X	X	X	-	-	X	-	-	-	-	-

NEW ZEALAND
Drifting Buoys

WMO Buoy ID	ARGOS ID	Position: 1 May 2002		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
55580	21584	34.7S	169.0E	-	X	X	-	X	-	-	X	-	-	-	-	-
55581	21585	32.8S	167.9E	-	X	X	-	X	-	-	X	-	-	-	-	-
55573	22187	27.7S	159.6E	-	X	X	-	X	-	-	X	-	-	-	-	-
55582	21586	41.9S	148.8E	-	X	X	-	X	-	-	X	-	-	-	-	-
55578	21583	42.1S	157.1E	-	X	X	-	X	-	-	X	-	-	-	-	-
55583	2937	39.9S	152.1E	-	X	X	-	X	-	-	X	-	-	-	-	-
55584	21719	44.8S	152.6E	-	-	X	-	X	-	-	X	-	-	-	-	-

FRANCE

Moored Buoys

WMO Buoy ID	ARGOS ID	Position: 23 May 2002		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
13010*	19101	0.0N	0.0E	S	S	-	-	S	-	-	-	S	-	-	-	-
15001*	19097	10.0S	10.0W	X	X	-	-	X	-	-	-	X	X	-	-	-
15006*	6882	6.0S	10.0W	S	X	-	-	S	-	-	-	X	X	-	-	-
41096	5833	16.4N	60.9W	-	-	-	-	X	X	.	-	-	-	-	-	-
41097	5834	14.9N	61.1W	-	-	-	-	X	X	.	-	-	-	-	-	-
41098	5832	14.5N	61.1W	-	-	-	-	X	X	.	-	-	-	-	-	-
41100	-	15.9N	57.9W	X	X	X	X	X	X	X	-	-	S	-	-	-
61001	-	43.4N	7.8E	X	X	X	X	X	X	X	-	-	X	-	-	-
61002	-	42.1N	4.7E	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	-	-	-	-	-	-	-	-
62052	-	48.5N	5.6W	S	S	S	S	S	S	.	-	-	S	-	-	-
62163**	-	47.5N	8.5W	X	X	X	X	X	X	-	-	-	X	-	-	-

* Pirata programme

** Cooperation UK Met. Office/Météo-France.

Drifting Buoys - Indian Ocean

WMO Buoy ID	ARGOS ID	Position: 23 May 2002		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
14531*	34152	17.6S	60.9E	-	-	X	X	X	-	-	X	-	-	-	-	-
14532*	34153	10.4S	62.2E	-	-	X	X	X	-	-	X	-	-	-	-	-
14535*	34159	4.1S	41.1E	-	-	X	X	X	-	-	S	-	-	-	-	-
14536	28693	32.3S	65.6E	-	-	X	X	X	-	-	S	-	-	-	-	-
14537	28699	13.5S	54.9E	X	-	X	X	X	-	-	X	-	-	-	-	-
16536	6428	48.1S	164.2E	-	-	X	X	X	-	-	S	-	-	-	-	-
16537	28694	41.8S	90.2E	-	-	X	X	X	-	-	S	-	-	-	-	-
16539	6436	36.3S	114.8E	-	-	X	X	X	-	-	S	-	-	-	-	-
16540	17927	47.8S	175.9E	-	-	X	X	X	-	-	S	-	-	-	-	-
53560*	34150	19.1S	64.8E	-	-	X	X	X	-	-	S	-	-	-	-	-
53561*	34157	18.1S	65.9E	-	-	X	X	X	-	-	X	-	-	-	-	-

* Cooperation with AOML and Navocean

UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

Moored Buoys

WMO Buoy ID	ARGOS ID	Name of Station	Position: 27 May 2002		Observed or Technical Parameters													
			Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	
62090**	30760	Eirann/M1	53 08 N	11 12 W	X	X	X	X	X	X	X	-	-	-	X	-	X	X
62091**	21271	Eirann/M2	53 50 N	05 40 W	X	X	X	X	X	X	X	-	-	-	X	-	X	X
62101	None	Lyme Bay	50 37 N	02 44 W	X	X	X	X	X	X	X	-	-	-	X	-	X	X
62301	None	Aberporth	52 17 N	04 30 W	X	X	X	X	X	X	X	-	-	-	X	-	X	X
62303	21274	Turbot Bank	51 36 N	05 09 W	X	X	X	X	X	X	X	-	-	-	X	-	X	X

** The Eirann/M1 and M2 Buoys were built by the Met Office but are owned and run by Met Eirann. Apart from ownership it is, however, identical to all the other moored buoys listed here.

Drifting Buoys

WMO Buoy ID	ARGOS ID	Name of Station	Position: 27 May 2002		Observed or Technical Parameters												
			Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
33543	25815	South Atlantic	26 18S	22 55W	-	-	X	X	X	-	-	X	-	-	-	X	-

Island System

WMO Buoy ID	ARGOS ID	Name of Station	Position: 27 May 2002		Observed or Technical Parameters												
			Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
3007	None	Muckle Holm	60 35 N	01 16 W	X	X	X	X	-	-	-	-	-	X	-	X	X
3010	None	Sule Skerry	59 05 N	04 24 W	X	X	X	X	-	-	-	-	-	X	-	X	X
3011	None	North Rona	59 08 N	05 50 W	X	X	X	X	-	-	-	-	-	X	-	X	X
3014	None	Foula	60 07 N	02 04 W	X	X	X	X	-	-	-	-	-	X	-	X	X

Light Vessel

WMO Buoy ID	ARGOS ID	Name of Station	Position: 27 May 2002		Observed or Technical Parameters												
			Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
62103	None	Channel	49 55 N	02 53 W	X	X	X	X	-	-	-	-	-	X	X	X	X
62107	None	Sevenstones	50 04 N	06 04 W	X	X	X	X	-	-	-	-	-	X	X	X	X
62304	None	Sandettie	51 10 N	01 47 E	X	X	X	X	-	-	-	-	-	X	X	X	X
62305	None	Greenwich	50 25 N	00 00 W	X	X	X	X	-	-	-	-	-	X	X	X	X

**EUROPEAN GROUP ON OCEAN STATIONS
Drifting Buoys - North Atlantic**

GERMANY

WMO Buoy ID	ARGOS ID	Position: 25 April 2002		Observed or Technical Parameters													
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	
44743	4270	61.868	-22.63	-	-	X	X	-	-	-	-	-	-	-	-	-	-
44779	6669	54.848	-24.04	-	X	X	X	X	-	-	-	-	-	-	-	-	-
64547	2294	62.634	-8.47	-	X	X	X	X	-	-	-	-	-	-	-	-	-

IRELAND

WMO Buoy ID	ARGOS ID	Position: 25 April 2002		Observed or Technical Parameters													
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	
44780	1153	54.538	-37.11	-	-	X	X	-	-	-	-	-	-	-	-	-	-
64553	3038	58.8	-28.132	-	X	X	X	X	-	-	-	-	-	-	-	-	-

THE NETHERLANDS

WMO Buoy ID	ARGOS ID	Position: 25 April 2002		Observed or Technical Parameters													
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	
44627	13698	42.4	-28.958	-	-	X	X	X	-	-	X	-	-	-	-	-	-

NORWAY

WMO Buoy ID	ARGOS ID	Position: 25 April 2002		Observed or Technical Parameters													
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	
63536	3679	70.9	17.696	-	X	X	X	X	-	-	-	-	-	-	-	-	-
64549	3678	59.026	-19.93	-	X	X	X	X	-	-	-	-	-	-	-	-	-

FRANCE

WMO Buoy ID	ARGOS ID	Position: 25 April 2002		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
62501	7139	30.7	-28.878	-	-	X	X	X	-	-	-	-	-	-	-	-
62503	17926	30.9	-20.699	-	-	X	X	X	-	-	-	-	-	-	-	-
62504	17928	36.8	-18.008	-	-	X	X	X	-	-	X	-	-	-	-	-
62510	26748	37.8	-20.86	-	-	-	-	X	-	-	X	-	-	-	-	-
62511	26751	37.9	-21.581	-	-	-	-	X	-	-	X	-	-	-	-	-
62512	28692	42.8	-17.91	-	-	X	X	X	-	-	X	-	-	-	-	-
62516	28696	49	-11.111	-	-	X	X	X	-	-	-	-	-	-	-	-
62518	28697	36.2	-15.181	-	-	X	X	X	-	-	-	-	-	-	-	-
62520	32783	62.5	-9.049	X	-	X	X	X	-	-	-	-	-	-	-	-

UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

Drifting Buoys - North Atlantic

WMO Buoy ID	ARGOS ID	Position: 25 April 2002		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
44549	22648	52.8	-23.487	-	-	X	X	X	-	-	X	-	-	-	-	-
44550	23703	52.7	-20.236	-	-	X	X	X	-	-	X	-	-	-	-	-
44612	27619	25.6	-36.862	-	-	X	X	X	-	-	-	-	-	-	-	-
44616	17149	42.2	-17.302	-	-	X	X	X	-	-	-	-	-	-	-	-
44621	17150	64.5	-31.818	-	-	X	X	X	-	-	-	-	-	-	-	-
44623	27624	27.2	-23.517	-	-	X	X	X	-	-	-	-	-	-	-	-
44624	17151	44.9	-24.959	-	-	X	X	-	-	-	-	-	-	-	-	-
44625	17153	42.6	-25.507	-	-	X	X	X	-	-	-	-	-	-	-	-
44721	18702	29.3	-31.109	-	-	X	X	X	-	-	X	-	-	-	-	-
44723	21562	46.7	-37.132	-	-	X	X	X	-	-	X	-	-	-	-	-
44726	23460	63.3	-31.206	-	-	X	X	X	-	-	-	-	-	-	-	-
44728	23553	51.8	-34.25	-	-	X	X	-	-	-	X	-	-	-	-	-
44730	23856	55.7	-26.833	-	-	X	X	X	-	-	X	-	-	-	-	-
44742	21667	60.2	-15.635	-	-	X	X	X	-	-	-	-	-	-	-	-
44763	17574	48.1	-36.107	-	-	X	X	X	-	-	X	-	-	-	-	-
44764	23913	51.4	-36.468	-	-	X	X	X	-	-	X	-	-	-	-	-
44765	28466	28	-33.683	-	X	-	-	-	-	-	-	-	-	-	-	-
44775	25372	29.4	-37.839	-	-	X	X	X	-	-	-	-	-	-	-	-
44778	25370	48.5	-10.232	-	-	X	X	X	-	-	-	-	-	-	-	-
62694	17577	56.1	-23.284	-	-	X	X	-	-	-	X	-	-	-	-	-
62696	18222	52.8	-18.662	-	-	X	X	X	-	-	X	-	-	-	-	-
62697	19894	51.5	-19.928	-	-	X	X	X	-	-	X	-	-	-	-	-
64552	21104	62.6	-40.755	-	-	X	X	X	-	-	X	-	-	-	-	-

Moored Buoys

WMO Buoy ID	ARGOS ID	Position: 27 May 2002		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
62001 *	21273	45 14 N	05 00 W	X	X	X	X	X	X	-	-	-	X	-	X	X
62026	22573	55 25 N	01 10 E	X	X	X	X	X	X	-	-	-	X	-	X	X
62029	30761	48 42 N	12 25 W	X	X	X	X	X	X	-	-	-	X	-	X	X
62081	21270	51 00 N	13 21 W	X	X	X	X	X	X	-	-	-	X	-	X	X
62105	6266	55 00 N	12 38 W	X	X	X	X	X	X	-	-	-	X	-	X	X
62106	3731	57 00 N	09 54 W	X	X	X	X	X	X	-	-	-	X	-	X	X
62108	4419	53 31N	19 30W	X	X	X	X	X	X	-	-	-	X	-	X	X
62109	15831	57 00 N	00 00 E	X	X	X	X	X	X	-	-	-	X	-	X	X
62163 *	15829	47 33 N	08 28 W	X	X	X	X	X	X	-	-	-	X	-	X	X
64045	22571	59 05 N	11 25 W	X	X	X	X	X	X	-	-	-	X	-	X	X
64046	6262	60 40 N	04 30 W	X	X	X	X	X	X	-	-	-	X	-	X	X

* Gascogne and Brittany buoys are operated by The Met. Office and Meteo-France.

ARGOS SERVICE ARGOS monthly status report

Date of Statistics computation: 2 April 2002

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

DRIFTING BUOY	1181
MARINE STATION	-
MOORED BUOY	294
TERRESTRIAL ANIMALS	154
MARINE ANIMALS	232
BIRDS	283
BALLOONS	13
RAFOS FLOATS	82
FIXED STATIONS	596
BOAT(<20KNOTS)	-
SHIPS (>20KN)	-
TEREST VEHICLE	-
TOTAL	2835

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	147
FIXED STATION	20
RAFOS FLOATS	42
MOORED BUOYS	24

INSERTED BY RTH/WMC WASHINGTON

DRIFTING BUOY	495
FIXED STATIONS	26
GPS MOBILE	
MOORED BUOY	64

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

BATHY	211
BUOY	503044
SHIP	6053
SIMPLE	4
STD	10825
SYNOP	34336
TESAC	168
TOTAL	554641

Date of Statistics computation: 1 May 2002

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

DRIFTING BUOY	1109
MARINE STATION	
MOORED BUOY	322
TERRESTRIAL ANIMALS	165
MARINE ANIMALS	249
BIRDS	257
BALLOONS	13
RAFOS FLOATS	89
FIXED STATION	633
BOAT(<20KNOTS)	-
SHIPS (>20KN)	-
TEREST VEHICLE	-
TOTAL	2837

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	146
FIXED STATION	21
RAFOS FLOATS	-
MOORED BUOYS	19

INSERTED BY RTH/WMC WASHINGTON

DRIFTING BUOY	516
FIXED STATIONS	26
GPS MOBILE	-
MOORED BUOY	68

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

BATHY	417
BUOY	530299
SHIP	4826
SIMPLE	2
STD	12120
SYNOP	34966
TESAC	249
TOTAL	582879

2. 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*".

II. MARINE METEOROLOGICAL SERVICES

1. Publication No. 9 - Volume D – "Information for Shipping"

The updated Publication is available on our web server at the following location:

<ftp://www.wmo.ch/wmo-ddbs/OperationalInfo/VolumeD/PDF/>

Notification from Ireland

Amend Chapter I – Meteorological Broadcasts by Radiotelegraphy and Radiotelephony:

Effective 4 May 2002 add the following Radio station under Ireland :

Radio Telefis eireann Radio 1 (RTE Radio 1)

Group: B

Area Covered: Irish Coastal Waters

Notification from New Zealand

Amend Chapter II – Meteorological Broadcasts by Radio-Facsimile:

Effective 1 May 2002 transmission for New Zealand Radio Facsimile Service broadcast by station ZKLF was amended.

III. GLOBAL TELECOMMUNICATION SYSTEM

1. Publication No. 9, Volume C1 – "Catalogue of Meteorological Bulletins"

The updated information is available on our web server at the following location:

ftp://www.wmo.ch/wmo-ddbs/OperationalInfo/VolumeC1/From_WMO/VolumeC1/

Notification from Japan

Effective 24 April 2002 the following new wind profiler bulletins were included for distribution over the GTS:

Region	RTH	Country	Centre	Category	TTAAii	CCCC	CodeForm	TimeGroup	Content	Remarks
2	TOKYO	JAPAN	TOKYO	E	IUPC01	RJTD	FM 94-XII	HOURLY	47406 47417 47423 47585 47587 47612 47626 47629 47640 47674	WIND PROFILER
2	TOKYO	JAPAN	TOKYO	E	IUPC02	RJTD	FM 94-XII	HOURLY	47616 47636 47656 47663 47755 47891 47893 47898	WIND PROFILER
2	TOKYO	JAPAN	TOKYO	E	IUPC03	RJTD	FM 94-XII	HOURLY	47800 47805 47815 47819 47822 47836 47912	WIND PROFILER

GUIDELINES FOR COMPLETING THE FEEDBACK FORMS

1. Index Number:

The station index number is composed of the block number (II) and the station number (iii). The block number defines the area in which the reporting station is situated.

For example: 60360, 60 is the block number for Algeria and 360 is the station number for Annaba.

2. Station Name:

Name of the station.

3. Position:

Latitude/Longitude: Latitude/Longitude of the station in degrees and minutes. The positions of stations north (N) or south (S) of the Equator and east (E) or west (W) of the Greenwich meridian are indicated by the appropriate letters after the minutes figures.

4. Bulletin Identification:

The TTAAii CCCC of the abbreviated headings of the meteorological bulletins which contain reports from the station should be inserted.

5. Surface Observations:

Use the symbol "X" to indicate that the surface observations are made regularly in accordance with a fixed schedule. In cases where the observations fall outside the fixed schedule, the official observation time should be stated. The symbol "-" should be inserted, as appropriate, for non-implementation.

6. Elevation:

HP

HP = Elevation of the station in metres. It is the datum level to which barometric pressure reports at the station refer; such current barometric values being termed "station pressure" and understood to refer to the given level for the purpose of maintaining continuity in the pressure records.

H/HA

H = elevation of the ground in metres (average level of terrain in immediate vicinity of station), is given for stations **not** located on aerodromes. It is normally also the height of the radiosonde release point.

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;

Note: The symbol "#" indicates that the elevation figures are approximate.

7. Upper-air Observations:

This column indicates the official observation time fixed by the service for the release of a balloon, parachute or rocket.

Upper-air observations are indicated by means of the use of one or more appropriate letters (*see Table 1*) below the corresponding standard observation time of 0000 UTC, 0600 UTC, 1200 UTC and 1800 UTC. If the official observation time falls within the period of 45 minutes immediately before the corresponding standard time, the appropriate letters are placed below the standard time. In

cases where it does not fall within the standard time, the official observation time should be stated.

Symbol	Meaning
P	Pilot balloon; observation of upper-wind obtained by optical tracking of a free balloon
R	Radiosonde; observation of atmospheric pressure, temperature and humidity in the upper-air obtained by electronic means.
W	Radiowind; upper-wind observation obtained by tracking a free balloon by electronic means
X	The symbol may be used to indicate an upper-air observation of unspecified type. The symbol "X" is replaced by a time (eg. 23, 02 etc...) when the observation is carried out at a non-standard time.

Note: The letters P, R and W are combined as necessary to indicate simultaneous observations (PR or RW)

Table 1

8. Pressure Level

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 _o P _o P _o P _o
1000 hPa)	Geopotential of the given standard isobaric surface reported using group 4a ₃ hhh
850 hPa)	
700 hPa)	
500 hPa)	

9. Remarks

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.

10. CLIMAT:

Indicate whether the station is used to generate CLIMAT messages.

CT = Station for which monthly climatological means of both surface and upper-air elements are transmitted.

T = Station for which monthly climatological means of upper-air elements are transmitted.

11. GUAN (GCOS):

Indicate whether the station is a station of the Global Climate Observing Upper-air Network (GUAN). Y = Yes; N = No

12. Geo. ht. calc. AUTO/MAN:

Indicate how the geopotential height calculation will be done:

AUTO = automated;
MAN = Manual

13. Radiation Correction

Y/N: Indicate if radiation correction is applied or not:

Y=Yes

N = No

Type: If radiation correction is applied indicate the type of identification if known (*see Table 2*)

Radiation Correction Type	Description
V82	Vaisala RS80 radiation correction 1982
V86	Vaisala RS80 radiation correction 1986
V93	Vaisala RS80 radiation correction 1993
NIR	Vaisala RS80 solar correction (86) but no Infra-Red correction
?with above	Some doubt concerning accuracy

Table 2

14. Ground Equipment Type

Type of ground equipment in use at the station

15. Radio Frequency:

The approximate radiosonde transmitter frequency (MHz) or frequency range regularly used at the station.

16. Radiosonde (see table 3)

Regular: Type of radiosonde regularly used.

Alternative: Alternative type of radiosonde used.

RADIOSONDE TYPES

SONDE ABBREVIATION	SONDE DESCRIPTION
Blank	Unknown
AIR	Air Intellisonde (USA)
ELIN	ELIN (Austria)
IM-MK3	Indian Met. Services Mark 3
J/YANG	JINYANG radiosonde (VIZ type)
MARS/MET	Meteorit 1 or 2 system (former USSR)
MEIR91/MEIR80	Meisei (Japan)
MES	Mesural (French)
MRZ	AVK system (Former USSR)
MRZ-T	AVK prototype system
MSS	Space Data Corp. (USA)

ML-SRS	Meteolabor (Switzerland)
SDC	Space Data Corp. (USA)
SHANG	Shanghai Radio (China)
VIZ	V.I.Z. (USA)
VIZA/B VIZII	V.I.Z. (USA)
VRS80*	Vaisala RS80 (PTU)
VRS80N*	Vaisala RS80 (VLF)
VRS80L*	Vaisala RS80 (LORAN)
VRS80G*	Vaisala RS80 (GPS)
?	Some doubt on accuracy

* Add in addition to "VRS80" the letters "H" or "A" depending on the application of the H- or A-Humicap sensors for humidity measurement.

Table 3

17. Windfinding

System/Method: Windfinding system or method in use at station

Equipment: Windfinding equipment in use at station.

18. Remarks:

Any other information pertaining to the station..

These tables should be sent to:

World Meteorological Organization
World Weather Watch - Basic Systems
Operational Information Services
7 bis, Avenue de la Paix
Case postale No. 2300
CH-1211 GENEVA 2
Switzerland

