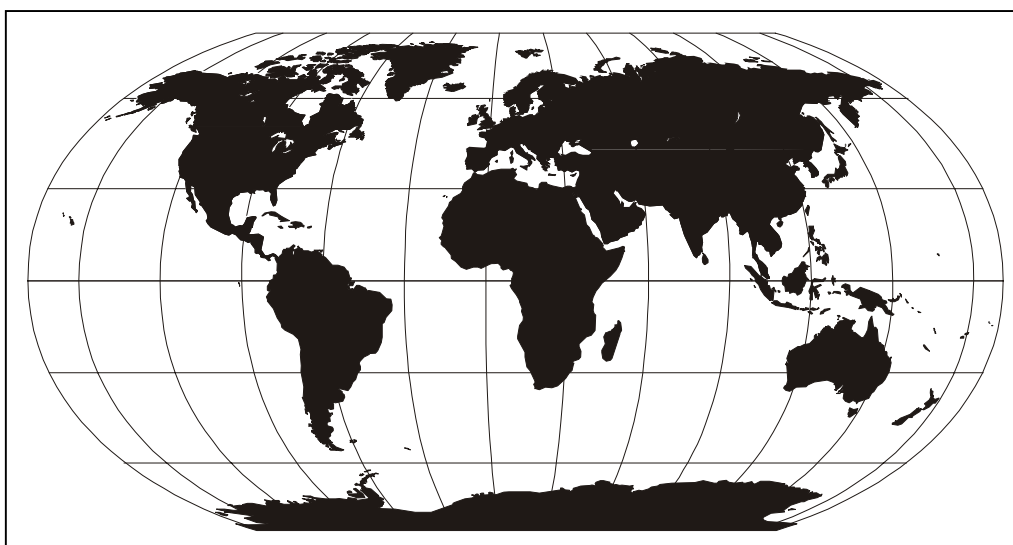




# OPERATIONAL NEWSLETTER

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World Weather Watch and Marine Meteorological Services



WORLD METEOROLOGICAL ORGANIZATION  
GENEVA  
SWITZERLAND

**No. 01/02- 2001**  
(January/February 2001)

... *inside this issue*

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## 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!*

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### **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

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July/August

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## MEETINGS SCHEDULED - 2001

*Related to: The World Weather Watch and  
Marine Meteorological Services*

Date	Place	Title of the Meeting
12-16.III.2001	Geneva, WMO Secretariat	Implementation Coordination Meeting on the MTN
14-16.III.2001	Vina del Mar, Chile	GOOS Steering Committee - Fourth session WWW-A
14-20.III.2001	Bangkok, Thailand	WMO/ESCAP Panel on Tropical Cyclones - Twenty-eighth session WWW-A
19-23.III.2001	Cairo, Egypt	RA I Working Group on Planning and Implementation of the World Weather Watch WWW-B
28-29.III.2001	Geneva, WMO Secretariat	CGC Management Group - 11 <sup>th</sup> Session
March 2001 (Date to be decided)	(Place to be decided)	WMO/ESCAP Panel on Tropical Cyclones - Twenty-eighth session
March 2001 (Date to be decided)	(place to be decided)	CIMO Expert Meeting on Rain Intensity Measurement WWW-B
23-27.IV.2001	Toulouse, France	Expert Team on Data Representation and Codes WWW-B/DPS
23-28.III. (a.m.) 2001	Caracas, Venezuela	RA IV Hurricane Committee - Twenty-third session
23-28.IV.2001	Geneva, WMO Secretariat	CBS Expert Team on Observational Data Requirements and Redesign of the GOS/CGMS Workshop
23-27.IV.2001	Buenos Aires, Argentina	RA III Working Group on WWW Implementation WWW-B/RAM
23.IV.-5.V.2001	Miami, FL, USA	Workshop on Hurricane Forecasting and Warning, and Public Weather Services WWW-A
24-27.IV.2001	Moscow, Russian Federation (tentative)	Implementation Coordination Meeting on the GTS in RA VI (Eastern part) WWW-B
April 2001	(Date and place to be decided)	CIMO Working Group on Surface Measurements WWW-B
3-8.V.2001	Geneva, WMO Secretariat	CBS Steering Group on Radio Frequency Coordination WWW-B
7-11.V.2001	Geneva, WMO Secretariat	Expert on Migration to Table Driven Code Forms WWW-B/DPS
21-25.V.2001	Geneva, WMO Secretariat	RA VI - Fourth Session Working Group on Planning and Implementation of the World Weather Watch WWW-B
28.V.-1.VI.2001	Offenbach, Germany (tentative)	Intercommission Task Team on Future WMO Information Systems WWW-B
19-29.VI.2001	Akureyri, Iceland	Joint WMO/IOC Technical Commission for Oceanography and Marine Meteorology - First session WWW-A
20-23 (a.m.).VI.2001	Geneva, WMO Secretariat (tentative)	CBS Expert Team on Improved MTN and GTS WWW-B
25.VI.2001	Akureyri, Iceland	Scientific Lectures with JCOMM-I WWW-A
25-28.VI.2001	Geneva, WMO Secretariat (tentative)	Implementation Coordination Meeting on the MTN WWW-B
26-30.VI.2001	Minneapolis, MN, USA	OPAG/PWS Expert Team on Media Issues (in conjunction with the AMS Conference on Broadcast Meteorology) WWW-A
9-13.VII.2001	Reading, United Kingdom	Joint UK/WMO Aeronautical Forecasting Training Seminar WWW-A
10-14.IX.2001	Washington, USA (tentative)	Emergency Response Activities Coordination Group WWW-B/DPS
18-21.IX.2001	Boulder, CO, USA	International Expert Workshop on Advances in the Use of Historical Marine Data (co-sponsored by WMO) WWW-A
September 2001 (Date to be decided)	(Place to be decided)	Regional Implementation Coordination Meeting on GDPS in RA I WWW-B

15-19.X.2001	Tokyo, Japan (tentative)	Expert Team on Ensemble Prediction Systems WWW-B/DPS
22-31.X.2001	Perth, Australia	DBCP - Seventeenth session and ARGOS Joint Tariff Agreement - Twenty-first session WWW-A
October 2001	(Date and place to be decided)	CIMO Advisory Working Group WWW-B
12-16.XI.2001	Geneva, WMO Secretariat (tentative)	Expert Team on Infrastructure for Long-range Forecasting WWW-B/DPS
27.XI.-3.XII.2001	Honolulu, HI, USA	ESCAP/WMO Typhoon Committee - Thirty-fourth session WWW-A

## MEETINGS SCHEDULED - 2002

9-27.IX.2002	Montreal, Canada (tentative)	Commission for Aeronautical Meteorology - Twelfth session (conjoint session with ICAO MET Division) WWW-A
23.IX.-4.X.2002	Bratislava, Slovakia	Commission for Instruments and Methods of Observation - Thirteenth session and Technical Conference on Meteorological and Environmental Instruments and Methods of Observation (TECO-2002) WWW-B
2002	(Date and place to be decided)	Commission for Basic Systems - Extraordinary session WWW-B

### TERMINOLOGY USED:

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

# 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		
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

### CANADA

#### ODAS REPORT

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

WMO Buoy ID	ARGOS ID	Position: 7 February 2001		Observed or Technical Parameters												
		Latitude / Longitude		1	2	3	4	5	6	7	8	9	10	11	12	13
46004	5324	50 55' N	136 05' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46036	7181	48 21' N	133 56' 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	7187	49 44' N	127 56' W	S	S	S	S	S	S	S	N/A	-	-	-	-	-
46145	7194	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	7197	51 50' N	131 14' 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	4484	53 37' N	131 07' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46184	7195	53 56' N	138 53' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46185	7193	52 25' N	129 47' 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	7185	54 10' N	134 17' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46206	8678	48 50' N	126 00' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46207	7186	50 53' N	129 55' W	X	S	X	X	X	X	X	N/A	-	-	-	-	-
46208	4485	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: 7 February 2001		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	X	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 51' N	052 15' W	+	+	+	+	+	+	+	N/A	-	-	-	-	-
44141	3449	42 06' N	056 13' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-

44142	5578	42 30' N 064 01' W	S	S	S	S	S	S	S	S	N/A	-	-	-	-	-
44251	9234	46 26' N 053 23' W	X	X	X	X	X	X	X	X	N/A	-	-	-	-	-
44255	9233	47 17' N 057 21' W	X	X	X	X	X	S	S	N/A	-	-	-	-	-	
44258	9232	44 30' N 063 24' W	S	S	S	S	S	S	S	N/A	-	-	-	-	-	

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

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

WMO Buoy ID	ARGOS ID	Position: 7 February 2001		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	X	X	X	X	X	X	X	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 26' N	079 23' W	S	S	S	S	S	S	S	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 17' W	+	+	+	+	+	+	+	N/A	-	-	-	-	-
45143	N/A	44 55' 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 32' N	081 58' W	+	+	+	+	+	+	+	N/A	-	-	-	-	-
45150	3439	61 55' N	113 51' 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	-	-	-	-	-

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

**Drifting Buoys - Pacific Ocean**

WMO Buoy ID	ARGOS ID	Position: 7 February 2001		Observed or Technical Parameters												
		Latitude / Longitude		1	2	3	4	5	6	7	8	9	10	11	12	13
46657	12511	57 36' N	151 36' W	X	X	X	X	X	+	+	X	-	-	-	-	-
46660	12514	51 24' N	138 00' W	X	X	X	X	X	+	+	X	-	-	-	-	-
46661	12521	28 54' N	141 12' W	X	S	X	X	X	+	+	X	-	-	-	-	-
46710	12516	41 54' N	136 12' W	X	X	X	X	X	+	+	X	-	-	-	-	-

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

**Remarks:**

44137 - Buoy serviced Oct 21/00.  
 44140 - Buoy adrift Jul 18/00. Recovered Aug 20/00.  
 44141 - Buoy serviced Oct 24/00.  
 44251 - Buoy transmitting weather messages using ARGOS  
 44255 - Buoy svcd Jul 13/00. Waves u/s on deployment. Wv data suppressed Dec 5/00.  
 45132 - Buoy removed for the winter Nov 23/00.  
 45135 - Buoy redeployed Apr 26/00.  
 45136 - Buoy removed for the winter Nov 30/00.

45137 - Buoy removed for the winter Nov 27/00.  
 45138 - Buoy removed for the winter Nov 08/00.  
 45140 - Buoy removed for the winter Oct 01/00.  
 45141 - Buoy removed for the winter Oct 22/00.  
 45142 - Buoy removed for the winter Nov 19/00  
 45143 - Buoy removed for the winter Nov 24/00  
 45144 - Buoy removed for the winter Nov 10/00.  
 45145 - Buoy removed for the winter Oct 31/00.  
 45147 - Buoy removed for the winter Nov 24/00  
 45148 - Buoy removed for the winter Oct 29/00.  
 45149 - Buoy removed for the winter Nov 08/00.  
 45150 - Buoy removed for the winter Oct 15/00.

45151 - Buoy removed for the winter Oct 19/00.  
 45152 - Buoy removed Oct 17/00.  
 45154 - Buoy removed for the winter Nov 15/00.  
 46004 - Buoy adrift Sep 16/00. Recovered Sep 17. Re-deployed Oct 25/00.  
 46036 - Buoy serviced Apr 24/00.  
 46132 - Buoy serviced Dec 10/00  
 46145 - Buoy serviced Jul 11/00  
 46147 - Buoy serviced Jun 14/00.  
 46183 - Buoy serviced Jul 9/00.  
 46184 - Buoy serviced Apr 28/00.  
 46185 - Badly damaged Oct 19/00. Removed Oct 28/00.  
 Back in service Jan 12/01.  
 46204 - Buoy serviced Dec 9/00. Winds u/s Jan 02/01.  
 Wind sensors replaced Jan 6/01.  
 46205 - Buoy serviced Jul 10/00.  
 46206 - Buoy serv. Apr 20. Transmitter u/s Apr 26/11Z. Buoy serv. May 1/15Z.  
 46207 - Air Temp u/s Jan 9/01.  
 46208 - Buoy serviced Jun 13/00.  
 46657 - Drifter deployed Jul 18/00.  
 46660 - Drifter deployed Mar 7/00.

46661 - Air temp. failed Sep/98.  
 46701 - Drifter buoy deployed Nov 18/99. Recovered Jan 6/01.  
 46710 - Drifter deployed Jan 7/00.

**Failed:**

44138 - Argos transmitter failed Dec/00.  
 44139 - Payload failed Dec 8/00.  
 44142 - Transmitting Data Buffer Empty messages since Oct 21/00.  
 44258 - Stopped transmitting Jan 4/01.  
 45139 - Payload failed Nov 17/00. To be repaired April 2001  
 46132 - Transmitting "Data Buffer Empty" messages since Jan 20/01.

**UNITED STATES OF AMERICA**  
*Moored Buoys*

WMO Buoy ID	ARGOS ID	Position: 8-15 February 2001		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	-	-	-	-	-	N
41002*		32.29N	75.22W	X	X	X	-	X	X	X	-	-	-	-	-	N
41004*		32.50N	79.10W	X	X	X	-	X	X	X	-	-	-	-	-	X
41008*		31.40N	80.87W	X	X	X	-	X	X	X	-	-	-	-	-	X
41009		28.50N	80.18W	X	X	X	-	X	X	X	-	-	-	-	-	N
41010		28.89N	78.52W	X	X	X	-	X	X	X	-	-	-	-	-	N
42001*		25.92N	89.68W	X	X	X	-	X	X	X	-	-	-	-	-	X
42002*		25.90N	93.59W	S	S	S	-	S	S	S	-	-	-	-	-	S
42003*		25.88N	85.95W	X	X	X	-	X	X	X	-	-	-	-	-	X
42007*		30.09N	88.77W	X	X	X	-	X	X	X	-	-	-	-	-	X
42019*		27.92N	95.36W	X	X	X	-	X	X	X	-	-	-	-	-	X
42020*		26.95N	96.70W	X	X	X	-	X	X	X	-	-	-	-	-	X
42035*		29.25N	94.41W	X	X	X	-	X	X	X	-	-	-	-	-	S
42036*		28.51N	84.51W	X	X	X	-	X	X	X	-	-	-	-	-	X
42039*		28.80N	86.06W	X	X	X	-	X	X	X	-	-	-	-	-	X
42040		29.21N	88.20W	X	X	X	-	X	X	X	-	-	-	-	-	X
42041		27.22N	90.43W	X	X	X	-	X	X	X	-	-	-	-	-	N
42054		26.00N	87.73W	X	X	X	-	S	S	S	-	-	-	-	-	X
44004*		38.50N	70.47W	X	X	X	-	X	X	X	-	-	-	-	-	N
44005*		42.89N	68.94W	X	X	X	-	X	X	X	-	-	-	-	-	N
44007*		43.53N	70.14W	X	X	X	-	X	X	X	-	-	-	-	-	X
44008*		40.50N	69.43W	X	X	X	-	X	X	X	-	-	-	-	-	X
44009*		38.46N	74.70W	X	X	X	-	X	X	X	-	-	-	-	-	X
44011*		41.09N	66.59W	X	X	X	-	X	X	X	-	-	-	-	-	N
44013*		42.35N	70.69W	X	X	X	-	X	X	X	-	-	-	-	-	X
44014		36.58N	74.84W	X	X	X	-	X	X	X	-	-	-	-	-	X
44025*		40.25N	73.17W	X	X	X	-	X	X	X	-	-	-	-	-	S
45001*		48.06N	87.78W	R	R	R	-	R	R	R	-	-	-	-	-	N
45002*		45.31N	86.42W	R	R	R	-	R	R	R	-	-	-	-	-	N
45003*		45.35N	82.84W	R	R	R	-	R	R	R	-	-	-	-	-	N
45004*		47.56N	86.55W	R	R	R	-	R	R	R	-	-	-	-	-	N
45005*		41.68N	82.40W	R	R	R	-	R	R	R	-	-	-	-	-	N
45006*		47.32N	89.87W	R	R	R	-	R	R	R	-	-	-	-	-	N
45007*		42.67N	87.02W	R	R	R	-	R	R	R	-	-	-	-	-	N



45008*		44.28N	82.42W	R	R	R	-	R	R	R	-	-	-	-	-	N
46001*		56.30N	48.17W	X	X	X	-	X	X	X	-	-	-	-	-	N
46002*		42.51N	30.28W	X	X	X	-	X	X	X	-	-	-	-	-	N
46005*		46.06N	31.02W	S	X	X	-	X	X	X	-	-	-	-	-	N
46006*		40.84N	37.49W	X	X	X	-	X	X	X	-	-	-	-	-	N
46011*		34.88N	20.87W	X	X	X	-	X	X	X	-	-	-	-	-	X
46012*		37.39N	22.73W	X	X	X	-	X	X	X	-	-	-	-	-	N
46013*		38.23N	23.33W	X	X	X	-	X	X	X	-	-	-	-	-	X
46014*		39.22N	23.97W	X	X	X	-	X	X	X	-	-	-	-	-	N
46022*		40.72N	24.52W	X	X	X	-	X	X	X	-	-	-	-	-	N
46023		34.71N	20.97W	X	X	X	-	X	X	X	-	-	-	-	-	X
46025*		33.75N	19.08W	X	X	X	-	X	X	X	-	-	-	-	-	S
46026*		37.76N	22.83W	X	X	X	-	X	X	X	-	-	-	-	-	S
46027*		41.85N	24.38W	X	X	X	-	X	X	X	-	-	-	-	-	N
46028*		35.74N	21.89W	X	X	X	-	X	X	X	-	-	-	-	-	N
46029*		46.12N	24.51W	X	X	X	-	X	X	X	-	-	-	-	-	X
46030*		40.42N	24.53W	X	X	X	-	X	X	X	-	-	-	-	-	N
46035*		56.91N	77.81W	X	X	X	-	X	X	X	-	-	-	-	-	N
46041*		47.33N	24.75W	S	S	S	-	S	S	S	-	-	-	-	-	N
46042*		36.75N	22.42W	X	X	X	-	X	X	X	-	-	-	-	-	X
46047*		32.43N	19.53W	X	X	X	-	X	X	X	-	-	-	-	-	X
46050*		44.62N	24.53W	S	X	X	-	X	X	X	-	-	-	-	-	N
46053*		34.24N	19.85W	X	X	X	-	X	X	X	-	-	-	-	-	N
46054		34.27N	20.45W	X	X	X	-	X	X	X	-	-	-	-	-	X
46059*		37.98N	30.00W	X	X	X	-	X	X	X	-	-	-	-	-	N
46060*		60.58N	46.83W	X	X	X	-	X	X	X	-	-	-	-	-	N
46061*		60.21N	46.84W	S	S	S	-	S	S	S	-	-	-	-	-	N
46062		35.10N	21.01W	X	X	X	-	X	X	X	-	-	-	-	-	X
46063*		34.25N	20.66W	X	X	X	-	X	X	X	-	-	-	-	-	N
46066*		52.65N	55.00W	X	X	X	-	X	X	X	-	-	-	-	-	N
48011		67.52N	64.50W	R	R	R	-	R	R	R	-	-	-	-	-	N
51001*		23.40N	62.27W	X	X	X	-	X	X	X	-	-	-	-	-	N
51002*		17.15N	57.79W	X	X	X	-	X	X	X	-	-	-	-	-	N
51003*		19.16N	60.74W	X	S	X	-	X	X	X	-	-	-	-	-	N
51004*		17.44N	52.52W	X	X	X	-	X	X	X	-	-	-	-	-	N
51028		0.00N/	3.88W	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:	59
Total Other Buoys :	11
Total Moored Buoys :	70

**Remarks:**

- 42002 - Dew point data failed 9/19/00, parity errors in wave data, buoy failed 1/11/01.
- \* 42035 - Dew point data failed 2/6/01.
- \* 42054 - Wave data failed 10/31/00, water temp data failed 2/1/01.
- \* 44009 - Dew point data intermittent.
- \* 44013 - Wind data failed 2/10/01.
- \* 44014 - Dew point data exceeded instrument limits.
- \* 44025 - Dew point data failed 7/31/00.
- \* 45001 - Seasonal recovery 11/10/00.
- \* 45002 - Seasonal recovery 11/18/00.
- \* 45003 - Seasonal recovery 11/20/00.
- \* 45004 - Seasonal recovery 11/10/00.
- \* 45005 - Seasonal recovery 12/4/00.
- \* 45006 - Seasonal recovery 11/10/00.
- \* 45007 - Seasonal recovery 12/7/00.

- \* 45008 - Seasonal recovery 11/12/00.
- \* 46005 - Wind data failed 1/11/01
- \* 46025 - Dew point data failed 11/27/00.
- \* 46026 - Dew point data failed 4/4/00.
- \* 46035 - Buoy data failed 2/9/01.
- \* 46041 - Buoy adrift 12/16/00, recovered to port, redeployment scheduled late February.
- \* 46042 - Air temp data failed 2/12/01.
- \* 46050 - Wind data failed 9/27/00.
- \* 46060 - Data transmissions erratic.
- \* 46061 - Buoy data failed 2/8/01.
- \* 48011 - Seasonal recovery 10/7/00.
- \* 51003 - Air temp data failed 1/16/01.

## AUSTRALIA

### Drifting Buoys

WMO Buoy ID	ARGOS ID	Position: 29 January 2001		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
1955		-14.488	138.943	X	X	X	X	X	-	-	X	-	-	-	-	-
2949		-11.418	115.871	X	X	X	X	X	-	-	X	-	-	-	-	-
2931		-10.567	96.992	-	-	X	X	X	-	-	X	-	-	-	-	-
2932		-41.673	132.712	-	-	X	X	X	-	-	X	-	-	-	-	-
1869		-14.882	89.946	-	X	X	X	X	-	-	X	-	-	-	-	-
2933		-51.407	82.884	-	X	X	X	X	-	-	X	-	-	-	-	-
2950		-15.89	109.249	X	X	X	X	X	-	-	X	-	-	-	-	-
2935		-47.881	96.012	-	X	X	X	X	-	-	X	-	-	-	-	-
2936		-47.198	116.429	-	X	X	X	X	-	-	X	-	-	-	-	-
2938		-51.253	110.755	-	X	X	X	X	-	-	X	-	-	-	-	-
2939		-42.921	62.555	-	X	X	X	X	-	-	X	-	-	-	-	-
4871		-60.461	70.22	-	X	X	X	X	-	-	X	-	-	-	-	-

## NEW ZEALAND

### Drifting Buoys

WMO Buoy ID	ARGOS ID	Position: 1 March 2001		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
22188	55577	20.5S	155.6E	-	X	S	-	X	-	-	X	-	-	-	-	-
22189	55572	39.5S	157.1W	-	X	X	-	X	-	-	X	-	-	-	-	-
21584	55580	43.0S	153.0E	-	X	X	-	X	-	-	X	-	-	-	-	-
21587	55579	36.1S	162.5E	-	X	X	-	X	-	-	X	-	-	-	-	-
8585	55588	39.2S	160.4E	-	X	X	-	X	-	-	X	-	-	-	-	-

## FRANCE

### Moored Buoys

WMO Buoy ID	ARGOS ID	Position: 19 January 2001		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
13010*	01741	0.2N	0.0	X	X	-	-	X	-	-	-	X	-	-	-	-
15001*	16857	10.0S	10.0W	X	X	-	-	X	-	-	-	X	-	-	-	-
15002*	02306	0.0N	9.9W	S	S	-	-	S	-	-	-	S	-	-	-	-
15006*	06881	6.0S	10.0W	X	X	-	-	X	-	-	-	X	-	-	-	-
41096	05833	16.4N	60.9W	-	-	-	-	X	X	.	-	-	-	-	-	-
41097	05832	14.9N	61.1W	-	-	-	-	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	-	-	-
62002	-	41.6N	20.0W	S	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	X	.	-	-	S	-	-	-
62163**	-	47.5N	8.5W	X	X	X	X	X	X	-	-	-	X	-	-	-

\* Pirata project

\*\* Cooperation UK Met. Office/Meteo-France

**Drifting Buoys - Indian Ocean**

WMO Buoy ID	ARGOS ID	Position: 19 January 2001		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
16536	06428	50.0S	78.6E	-	-	X	X	X	-	-	X	-	-	-	-	-
16539	06436	45.2S	53.0E	-	-	X	X	X	-	-	X	-	-	-	-	-
16540	17927	48.1S	61.0E	-	-	X	X	X	-	-	X	-	-	-	-	-
23590	07568	16.4S	64.0E	-	-	X	X	X	-	-	S	-	-	-	-	-

**Drifting buoys - North Atlantic**

WMO Buoy ID	ARGOS ID	Position: 19 January 2001		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
62552	15502	45.3N	18.3W	X	-	X	X	X	-	-	-	X	-	-	-	-
62554	15505	44.1N	20.1W	X	-	X	X	X	-	-	-	X	-	-	-	-
62555	15506	41.3N	21.3W	S	-	S	S	S	-	-	-	S	-	-	-	-
62556	15507	39.5N	21.8W	X	-	X	X	X	-	-	-	X	-	-	-	-
62557	15508	42.5N	15.9W	X	-	X	X	X	-	-	-	X	-	-	-	-
62558	15509	44.5N	21.2W	X	-	X	X	X	-	-	-	X	-	-	-	-
62561	15513	39.3N	17.3W	S	-	X	X	X	-	-	-	X	-	-	-	-
62563	15515	40.4N	18.7W	S	-	S	S	S	-	-	-	S	-	-	-	-
62565	15517	42.8N	19.8W	X	-	X	X	X	-	-	-	X	-	-	-	-
62566	15519	41.8N	18.8W	X	-	X	X	X	-	-	-	X	-	-	-	-
62567	15521	42.6N	21.2W	X	-	X	X	X	-	-	-	X	-	-	-	-
62569	15525	39.6N	19.3W	X	-	X	X	X	-	-	-	X	-	-	-	-
62570	15529	44.9N	22.2W	X	-	X	X	X	-	-	-	X	-	-	-	-
62571	15531	45.0N	17.4W	X	-	X	X	X	-	-	-	X	-	-	-	-
62575	24507	41.0N	17.4W	-	-	-	-	X	-	-	X	-	-	-	-	-
62578	24332	43.1N	14.6W	-	-	-	-	X	-	-	X	-	-	-	-	-
62580	25053	42.6N	16.6W	-	-	-	-	X	-	-	X	-	-	-	-	-
62782*	03739	40.6N	17.8W	-	X	X	-	X	-	-	-	-	-	-	-	-
62783*	03740	44.8N	17.8W	-	X	X	-	X	-	-	-	-	-	-	-	-
62784*	13060	41.2N	18.3W	-	X	X	-	X	-	-	-	-	-	-	-	-
62785*	01110	43.9N	17.3W	-	X	X	-	X	-	-	-	-	-	-	-	-

\*Reports salinity

**UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND**

**Moored Buoys**

WMO Buoy ID	ARGOS ID	Name of Station	Position: 20 February 2001		Observed or Technical Parameters												
			Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
62090*	15831	Eirann/M1	53 08 N	11 12 W	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
62301	None	Aberporth	52 17 N	04 30 W	X	X	X	X	X	X	-	-	-	X	-	X	X
62303	6264	Turbot Bank	51 36 N	05 09 W	X	X	X	X	X	X	-	-	-	X	-	X	X

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

**Drifting buoys - South Atlantic**

WMO Buoy ID	ARGOS ID	Position: 20 February 2001		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
33543	25815	28 00S	00 27 E	-	-	X	X	X	-	-	X	-	-	-	X	-

**Island System**

WMO Buoy ID	ARGOS ID	Name of Station	Position: 20 February 2001		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: 20 February 2001		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****FRANCE****Drifting buoys - North Atlantic**

WMO Buoy ID	ARGOS ID	Position: 20 February 2001		Observed or Technical Parameters													
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	
44608	14540	23.600	-39.773	-	-	X	X	X	-	-	-	-	-	-	-	-	-
44610	12734	54.400	-20.329	-	-	X	X	X	-	-	X	-	-	-	-	-	-
62506	12733	30.500	-27.553	X	-	-	-	X	-	-	X	-	-	-	-	-	-
62507	10111	33.200	-16.626	-	X	X	X	X	-	-	-	-	-	-	-	-	-
62513	12731	48.800	-11.716	-	-	X	X	X	-	-	X	-	-	-	-	-	-
62514	7119	54.700	-13.193	-	-	X	X	X	-	-	X	-	-	-	-	-	-
62517	18674	32.900	-15.183	-	-	X	X	X	-	-	-	-	-	-	-	-	-
62551	15501	43.700	-17.406	-	X	X	X	X	-	-	-	-	-	-	-	-	-
62553	15503	41.100	-16.897	-	X	X	X	X	-	-	-	-	-	-	-	-	-
64517	14178	55.300	-14.262	-	-	X	X	X	-	-	-	-	-	-	-	-	-
64698	29867	62.700	-27.863	-	-	X	X	X	-	-	-	-	-	-	-	-	-
64699	29868	54.300	-47.698	-	-	-	-	X	-	-	-	-	-	-	-	-	-

**GERMANY**  
*Drifting buoys - North Atlantic*

WMO Buoy ID	ARGOS ID	Position: 20 February 2001		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
65601	3039	63.633	-25.240	-	X	-	-	X	-	-	-	-	-	-	-	-
65662	9307	57.842	-35.850	-	X	X	X	X	-	-	-	-	-	-	-	-
65663	9308	54.679	-38.140	-	X	X	X	X	-	-	-	-	-	-	-	-

**IRELAND**  
*Drifting buoys - North Atlantic*

WMO Buoy ID	ARGOS ID	Position: 20 February 2001		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
64548	1153	62.385	-10.890	-	X	X	X	X	-	-	-	-	-	-	-	-
65602	6667	60.257	-28.360	-	X	X	X	X	-	-	-	-	-	-	-	-

**THE NETHERLANDS**  
*Drifting buoys - North Atlantic*

WMO Buoy ID	ARGOS ID	Position: 20 February 2001		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
62596	16391	64.800	-27.189	-	-	X	X	X	-	-	-	-	-	-	-	-
65593	4228	63.000	-34.782	-	X	X	X	X	-	-	-	-	-	-	-	-

**NORWAY**  
*Drifting buoys - North Atlantic*

WMO Buoy ID	ARGOS ID	Position: 20 February 2001		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
65600	3676	62.100	-11.919	-	X	X	X	X	-	-	-	-	-	-	-	-

**UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND**  
*Moored buoys - North Atlantic*

WMO Buoy ID	ARGOS ID	Name of Station	Position: 20 February 2001		Observed or Technical Parameters												
			Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
62001 *	21273	Gascogne	45 14 N	05 00 W	X	X	X	X	X	X	-	-	-	X	-	X	X
62026	22573	K17	55 25 N	01 10 E	X	X	X	X	X	X	-	-	-	X	-	X	X
62029	4007	K1	48 42 N	12 25 W	X	X	X	X	X	X	-	-	-	X	-	X	X
62081	22572	K2	51 00 N	13 21 W	X	X	X	X	X	X	-	-	-	X	-	X	X
62105	15826	K4	55 00 N	12 38 W	X	X	X	X	X	X	-	-	-	X	-	X	X
62106	3731	RARH	57 00 N	09 54 W	X	X	X	X	X	X	-	-	-	X	-	X	X
62108	21272	K3	53 31N	19 30W	X	X	X	X	X	X	-	-	-	X	-	X	X
62109	6261	K16	57 00 N	00 00 E	X	X	X	X	X	X	-	-	-	X	-	X	X

62163 *	15829	Brittany	47 33 N	08 28 W	X	X	X	X	X	X	-	-	-	X	-	X	X
64045	22571	K5	59 05 N	11 25 W	X	X	X	X	X	X	-	-	-	X	-	X	X
64046**	3718	K7	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. The Brittany buoy went adrift on the 10th October 2000 and was redeployed on 18 February 2001.

\*\* The K7 buoy stopped transmitting all data on the 27th October 2000

**UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND**  
*Drifting buoys - North Atlantic*

WMO Buoy ID	ARGOS ID	Position: 20 February 2001		Observed or Technical Parameters													
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	
44546	25374	57.300	-33.279	-	-	X	X	X	-	-	X	-	-	-	-	-	-
44548	27617	46.000	-44.189	-	-	X	X	X	-	-	X	-	-	-	-	-	-
44611	27616	44.500	-7.586	-	-	X	X	X	-	-	-	-	-	-	-	-	-
44612	27619	37.600	-32.925	-	-	X	X	X	-	-	-	-	-	-	-	-	-
44613	28467	33.800	-46.903	-	X	X	X	-	-	-	-	-	-	-	-	-	-
44620	27622	28.500	-45.881	-	-	X	X	X	-	-	X	-	-	-	-	-	-
44622	27623	58.900	-7.231	-	-	X	X	X	-	-	-	-	-	-	-	-	-
44623	27624	35.300	-30.720	-	-	X	X	X	-	-	X	-	-	-	-	-	-
44628	12287	33.900	-18.137	-	X	X	X	X	-	-	-	-	-	-	-	-	-
44724	27922	36.400	-18.754	-	-	X	X	X	-	-	X	-	-	-	-	-	-
44725	27923	50.100	-42.373	-	-	X	X	X	-	-	X	-	-	-	-	-	-
44727	27925	27.900	-34.492	-	-	X	X	-	-	-	-	-	-	-	-	-	-
44729	25375	49.300	-15.450	-	-	X	X	X	-	-	X	-	-	-	-	-	-
44741	25373	62.200	-29.323	-	-	X	X	X	-	-	-	-	-	-	-	-	-
44743	12414	50.100	-3.596	X	X	X	X	X	-	-	-	-	-	-	-	-	-
44761	27615	52.800	-19.175	-	-	X	X	X	-	-	-	-	-	-	-	-	-
44762	19073	46.000	-12.037	-	-	X	X	X	-	-	-	-	-	-	-	-	-
44765	28466	35.200	-45.946	-	X	X	X	-	-	-	-	-	-	-	-	-	-
44770	21627	54.200	-20.417	-	-	X	X	X	-	-	-	-	-	-	-	-	-
44771	25377	54.000	-33.569	-	-	X	X	X	-	-	-	-	-	-	-	-	-
44772	12412	44.600	-8.742	X	X	X	X	X	-	-	-	-	-	-	-	-	-
44774	12286	47.900	-23.497	-	X	X	X	X	-	-	-	-	-	-	-	-	-
44775	25372	41.100	-56.021	-	-	X	X	X	-	-	X	-	-	-	-	-	-
44776	25371	45.900	-43.884	-	-	X	X	X	-	-	X	-	-	-	-	-	-
44778	25370	42.000	-47.958	-	-	X	X	X	-	-	X	-	-	-	-	-	-
65603	27618	61.000	-29.563	-	-	-	-	X	-	-	-	-	-	-	-	-	-

## ARGOS SERVICE

## ARGOS monthly status report

Date of Statistics computation: 2 January 2001

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

DRIFTING BUOY	1204
MARINE STATION	138
MOORED BUOY	285
TERRESTRIAL ANIMALS	120
MARINE ANIMALS	222
BIRDS	227
BALLOONS	11
RAFOS FLOATS	30
FIXED STATION	643
TOTAL	<b>2880</b>

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	141
FIXED STATION	24
MOORED BUOYS	11

## INSERTED BY RTH/WMC WASHINGTON

DRIFTING BUOY	583
FIXED STATIONS	32
GPS MOBILE	-
MOORED BUOY	69

## CODING STATISTICS OF PLATFORMS

Reporting through ARGOS and distributed over the  
GTS

BATHY	281
BUOY	326015
SHIP	3140
SIMPLE	30
STD	1109
SYNOP	39611
TESAC	182
TOTAL	<b>370368</b>

Date of Statistics computation: 1 February 2001

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

DRIFTING BUOY	1220
MARINE STATION	134
MOORED BUOY	296
TERRESTRIAL ANIMALS	112
MARINE ANIMALS	238
BIRDS	229
BALLOONS	13
RAFOS FLOATS	27
FIXED STATION	653
TOTAL	2992

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	27
MOORED BUOYS	10

## INSERTED BY RTH/WMC WASHINGTON

DRIFTING BUOY	600
FIXED STATIONS	32
GPS MOBILE	-
MOORED BUOY	66

## CODING STATISTICS OF PLATFORMS

Reporting through ARGOS and distributed over the  
GTS

BATHY	288
BUOY	332445
SHIP	3602
SIMPLE	-
STD	1070
SYNOP	37018
TESAC	304
TOTAL	<b>374727</b>

## 2. AUTOMATED MARINE PLATFORMS

### Platform identifier in TESAC for profiling floats

Observational data from profiling sub-surface floats deployed under Argo and similar projects are distributed on the GTS in TESAC code. The Data Buoy Cooperation Panel (DBCP) has developed an extension of the existing buoy identifier system to facilitate easy identification of the reports from these floats, as well as retain a unique ID number for all floats deployed (without recycling). The new identifier is to be **used in place of the ship's call sign, D...D, not the buoy identifier**. It extends the existing buoy ID structure from five to eight characters for floats, but retains the same format, with the addition of the letter Q as the first character:

**QAbnnnnn**

where:

Q = a letter not currently used as the first letter of a ship's call sign, to indicate that the report is from an Argo float

A = WMO region of float deployment, with 7 used for the Southern Ocean south of 60°S

b = 9 to signify a float

nnnnn = a unique number for each float deployed in area A, allocated serially

This identifier will be used in Section 5 of TESAC only, when the report is from a profiling float, and **will be used in place of the ship call sign D...D**, not the buoy identifier. The existing five-digit buoy identifier group will be retained for TESAC reports originating from drifting and moored surface buoys.

The seven-digit float identifier in TESAC will be implemented for all floats deployed on and after 1 June 2001. Float identifiers will continue to be allocated globally by the WMO Secretariat ([dexter@www.wmo.ch](mailto:dexter@www.wmo.ch)). However, as with buoy ID allocations, requirements for such float ID allocations should be coordinated nationally through the national focal point for the Data Buoy Cooperation Panel of each country, who would then direct requests for allocations to the Secretariat.

## 3. 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".



### 3. 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 (Iiii) 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 CCC 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 <sub>0</sub> P <sub>0</sub> P <sub>0</sub> P <sub>0</sub>
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=SYNOP 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		
				Lati tude	Longitude	TTAAii CCCC	00	03	06	09	12	15	18	21	HP			H/HA

## II. MARINE METEOROLOGICAL SERVICES

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

#### Chapter I. Meteorological Broadcast Schedules for Shipping and other Marine Activities Part 1. Meteorological Broadcasts by Radiotelegraphy and radiotelephony

##### Notification from Germany

Radio Station: OFFENBACH (MAIN)/PINNEBERG                      Group(e): D  
Area covered: North Atlantic north of 25°N, east of 60°W, North Sea, Baltic Sea and Mediterranean

Date: 3.IV.2001

Call sign	Time of broadcast (UTC)	Frequency used	Class of emission	Power	Language or code form (FM system)	Contents
DDK2 DDH7 DDK9	0000, 0300, 0600, 0900, 1200, 1500, 1800, 2100	4 583 kHz 7 646 kHz 10 100.8 kHz	F1B (50 bauds)	1,0 kW 1,0 kW 10,0 kW	In clear (German/English)	Strong wind, gale and storm warnings for German bight, Western and Southern Baltic Sea and German North Sea and Baltic Sea coast.*
	0005, 0305, 0535, 0835, 1135, 1435, 1735, 2035	"	"	"	In clear (English)	Weather report North Sea and Baltic Sea. Weather situation, forecast valid for 12 hours and outlook valid for another 12 hours.
	0020, 0320, 0550, 0850, 1150, 1450, 1750, 2050	"	"	"	"	Weather report for German coast. Weather situation, forecast valid for 12 hours for German North Sea and Baltic Sea coast.
	0030,0605,1205,1805	"	"	"	"	Advice on the use of weather data.
	0035, 0610, 1810 0200, 0735, 1935	"	"	"	FM 12-XI Ext. FM 13-XI Ext.	SYNQP. See List 1 SHIP*
	0330, 1505	"	"	"	In clear (English)	Weather report Baltic Sea. Weather situation, time series forecast for 5 days.
	0355, 1530	"	"	"	"	Weather report North Sea. Weather situation, time series forecast for 5 days.
	0415, 1610	"	"	"	"	Weather report Mediterranean Sea. Weather situation, time series forecast for 5 days.
	0440,1035,1635,2235	"	"	"	FM 13-XI Ext.	SHIP*

Radio Station: OFFENBACH (MAIN)/PINNEBERG    Group(e): D  
 Area covered: North Atlantic north of 25°N, east of 60°W, North Sea, Baltic Sea and Mediterranean  
 Zone couverte: Atlantique Nord au nord de 25°N, à l'est de 60°W, la mer du Nord, la mer Baltique et la Méditerranée

Continued/Suite

Call sign	Time of broadcast (UTC)	Frequency used	Class of emission	Power	Language or code form (FM system)	Contents
	0515, 1715	"	"	"	In clear (German/English)	Navigational warnings for North Sea, Baltic Sea and German coast.
DDK2 DDH7 DDK9	0815, 2015	4 583 kHz 7 646 kHz 11 638 kHz	F1B (50 bauds)	1,0 kW 1,0 kW 10,0 kW	FM 13-XI Ext.	BUOY <sup>o</sup>
	0905, 2105	"	"	"	In clear (English)	Weather report Norwegian Sea and Baltic Sea (route North Cape - Shetlands, The Quark - Gulf of Finland). Weather situation, time series forecast for 2 days.
	0930, 2130	"	"	"	"	Weather report North Atlantic (route Pentlands - Southwest Greenland). Weather situation, time series forecast for 2 days.
	0955, 2155	"	"	"	"	Weather report Western European Sea (route Southern Ireland - Area Canarias). Weather situation, time series forecast for 2 days.
	1015, 2215	"	"	"	"	Weather report Western Mediterranean Sea (route Alboran - Tunis). Weather situation, time series forecast for 2 days.
	1110	"	"	"	"	Notices
	1115, 2315	"	"	"	"	Weather report Eastern Mediterranean Sea (route eastern Tunis - Rhodes/Cyprus). Weather situation, time series forecast for 2 days
	1210 1335	"	"	"	FM 12-XI Ext. FM 13-XI Ext.	SYNOP. See List 1 & List 2 SHIP <sup>+</sup>
	1550	"	"	"	In clear (English)	Weather report Mediterranean Sea. Weather situation, forecast valid for 24 hours.

- + Additional warnings are issued immediately when the need becomes apparent.
- \* Special selection North Sea, North Polar Sea, North and Middle Atlantic and Mediterranean Sea.
- o Special selection North Polar Sea and Atlantic.

Radio Station: OFFENBACH (MAIN)/PINNEBERG

Group(e): D

Area covered: North Atlantic north of 40°N, east of 55°W, North Sea, Baltic Sea and Mediterranean

Zone couverte: Atlantique Nord au nord de 40°N, à l'est de 55°W, la mer du Nord, la mer Baltique et la Méditerranée

Call sign	Time of broadcast (UTC)	Frequency used	Class of emission	Power	Language or code form (FM system)	Contents
DDH47 DDH9 DDH8	0500, 0600, 0900, 1200, 1500, 1800 2100	147,3 kHz 11 039,0 kHz 14 467.3 kHz	F1B (50bauds)	15.0 kW 1.0 kW 1.0 kW	In clear (German/English)	Strong wind, gale and storm warnings for German bight, Western and Southern Baltic Sea and German North Sea and Baltic Sea coast. †
	0505, 0605, 0905, 1205, 1505, 1805, 2105	"	"	"	In clear (German)	Weather report North Sea and Baltic Sea. Weather situation, forecast valid for 12 hours and outlook valid for another 12 hours.
	0520, 0620, 0920, 1220, 1520, 1820, 2120	"	"	"	"	Weather report for German coast. Weather situation, forecast valid for 12 hours for German North Sea and Baltic Sea coast.
	0530, 0725, 1025, 1325, 1625, 1925	"	"	"	"	Station reports North Sea and Baltic Sea. .
	0535, 1120, 1735	"	"	"	"	Weather report Mediterranean Sea. Weather situation, time series forecast for 5 days.
	0630, 1230, 1830	"	"	"	"	Weather report Norwegian Sea and Baltic Sea (route North Cape - Shetlands, The Quark - Gulf of Finland). Weather situation, time series forecast for 2 days.
	0700, 1300, 1900	"	"	"	"	Weather report North Atlantic (route Pentlands - Southwest Greenland). Weather situation, time series forecast for 2 days.
	0730, 1030,1330, 1630, 1930	"	"	"	"	Station reports Mediterranean Sea.
	0735, 1335, 1935	"	"	"	FM 13-XI Ext.	SHIP*
	0820, 1420, 2020	"	"	"	In clear (German)	Weather report Western European Sea (route Southern Ireland - Area Canarias). Weather situation, time series forecast for 2 days.
	0840, 1440, 2040	"	"	"	"	Weather report Western Mediterranean Sea (route Alboran - Tunis). Weather situation, time series forecast for 2 days.
	0930, 1530, 2130	"	"	"	"	Weather report Eastern Mediterranean Sea (route eastern Tunis - Rhodes/ Cyprus). Weather situation, time series forecast for 2 days.
	0950, 1715	"	"	"	In clear (German/English)	Navigational warnings for North Sea, Baltic Sea and German coast.

Radio Station: OFFENBACH (MAIN)/PINNEBERG

Group(e): D Continued/Suite

Area covered: North Atlantic north of 40°N, east of 55°W, North Sea, Baltic Sea and Mediterranean

Zone couverte: Atlantique Nord au nord de 40°N, à l'est de 55°W, la mer du Nord, la mer Baltique et la Méditerranée

Call sign	Time of broadcast (UTC)	Frequency used	Class of emission	Power	Language or code form (FM system)	Contents
DDH47 DDH9 DDH8	1010	147,3 kHz 11 039,0 kHz 14 467.3 kHz	F1B (50bauds)	15.0 kW 1.0 kW 1.0 kW	In clear (German)	Advice on the use of weather data.
	1035		"	"	"	Weather report Baltic Sea. Weather situation, time series forecast for 5 days.
	1100	"	"	"	"	Weather report North Sea. Weather situation, time series forecast for 5 days.
	1145, 1635	"	"	"	"	Special transmissions for research vessels (only if required).
	1610	"	"	"	"	Weather report for Mediterranean. Weather situation, forecast valid for 24 hours.

\* Additional warnings are issued immediately when the need becomes apparent.

\* Special selection North Sea, Baltic Sea, North Polar Sea, North Atlantic, north of 40°N and Mediterranean Sea.

## 2. Automated Shipboard Aerological Programme (ASAP)

### ASAP Operators

NAME	SHIP	CALL SIGN	HEX ADDRESS	RELEASE HEIGHT	FOCAL POINT	COUNTRY	
D/ASAP2	FS Meteor	DBBH		6 m	Volker Wagner		Germany
					Phone:	+49 40 3190 8821	
					Fax.:	+49 40 3190 8942	
					Email:	volker.wagner@dwd.de	
D/ASAP5	Hornbay	ELML7		10 M	Volker Wagner		Germany
					Phone:	+49 40 3190 8821	
					Fax.:	+49 40 3190 8942	
					Email:	volker.wagner@dwd.de	
DK/ASAP1	Nuka Arctica, or	OXYH2	Inmarsat-C	18 m	Klaus Hedegaard		Denmark
	Irena Arctica	OXTS2	Inmarsat-C	9 m	Phone:	+45 3915 7531	
					Fax:	+45 3927 1080	
					Email:	kh@dmi.dk	
DK/ASAP2	Arina Arctica	OVYA2	Inmarsat-C	14 m	Klaus Hedegaard		Denmark
					Phone:	+45 3915 7531	
					Fax:	+45 3927 1080	
					Email:	kh@dmi.dk	
EU/ASAP1	Peljasper	SWJS	Inmarsat-C	16 m	Klaus Hedegaard		EUMETNET (E-ASAP)
					Phone:	+45 3915 7531	
					Fax:	+45 3927 1080	
					Email:	kh@dmi.dk	
E/ASAP1	Esperanza del Mar	EHOA	11836376	10 m	Cesar Belandia		Spain
					Phone:	+34 1 581 9651	
					Fax.:	+34 1 581 9846	
					Email:	cesar.belandia@inm.es	
F/ASAP1	Fort Royal	FNOR	1180F11A	13 m	Yannick Boide		France
					Phone:	+33130136226	
					Fax.:	+33130136068	
					Email:	Yannick.Boide@meteo.fr	
F/ASAP2	Douce France	FNRS	11810364	27 m	Yannick Boide		France
					Phone:	+33130136226	
					Fax.:	+33130136068	
					Email:	Yannick.Boide@meteo.fr	
F/ASAP3	Fort Fleur d'Épée	FNOU	11819606	13 m	Yannick Boide		France
					Phone:	+33130136226	
					Fax.:	+33130136068	
					Email:	Yannick.Boide@meteo.fr	
F/ASAP4	Fort Desaix	FNPH	1181A39C	27 m	Yannick Boide		France
					Phone:	+33130136226	
					Fax.:	+33130136068	
					Email:	Yannick.Boide@meteo.fr	
GB/ASAP1	CanMar Pride	ZCBP6	Inmarsat-C	22 m	Captain E.J. O'Sullivan		United Kingdom
					Phone:	+44 1344 855913	
					Fax.:	+44 1344 855921	
					Email:	ejosullivan@meto.gov.uk	

GB/ASAP2	James Clark Ross	ZDLP	Inmarsat-C	17 m	Captain E.J. O'Sullivan		United Kingdom
					Phone:	+44 1344 855913	
					Fax.:	+44 1344 855921	
					Email:	ejosullivan@meto.gov.uk	
S-I ASAP1	Godafoss	V2EZ	Inmarsat-C	13m	Flosi H. Sigurdsson		Iceland
					Phone:	+354 5 600 600	
					Fax.:	+354 5 528 121	
					Email:	flosi@vedur.is	
US/ASAP1	RV Ronald H. Brown	WTEC	Inmarsat-C	11.5 m	Elizabeth White		U.S.A.
					Phone:	+1 301 713 2465	
					Fax.:	+1 301 713 0158	
					Email:	Elizabeth.White@noaa.gov	
US/ASAP2	RV Ka'imimoana	WTEU	Inmarsat-C	11 m	Elizabeth White		U.S.A.
					Phone:	+1 301 713 2465	
					Fax.:	+1 301 713 0158	
					Email:	Elizabeth.White@noaa.gov	
?	Ryofu Maru	JGQH	DCP	8m	Teruko Manabe		Japan
					Phone:	+81 3 3211 4966	
					Fax.:	+81 3 3211 6908	
					Email:	teruko.manabe@met.kishou.go.jp	
?	Kofu Maru	JDWX	DCP	6m	Teruko Manabe		Japan
					Phone:	+81 3 3211 4966	
					Fax.:	+81 3 3211 6908	
					Email:	teruko.manabe@met.kishou.go.jp	
?	Seifu Maru	JIVB	DCP	6m	Teruko Manabe		Japan
					Phone:	+81 3 3211 4966	
					Fax.:	+81 3 3211 6908	
					Email:	teruko.manabe@met.kishou.go.jp	
?	Chofu Maru	JCCX	DCP	6m	Teruko Manabe		Japan
					Phone:	+81 3 3211 4966	
					Fax.:	+81 3 3211 6908	
					Email:	teruko.manabe@met.kishou.go.jp	
?	Shumpu Maru	JFDG	Inmarsat-C	5m	Teruko Manabe		Japan
					Phone:	+81 3 3211 4966	
					Fax.:	+81 3 3211 6908	
					Email:	teruko.manabe@met.kishou.go.jp	
?	Mirai	JNSR	Inmarsat-C	16m	Teruko Manabe		Japan
					Phone:	+81 3 3211 4966	
					Fax.:	+81 3 3211 6908	
					Email:	teruko.manabe@met.kishou.go.jp	



### III. GLOBAL TELECOMMUNICATION SYSTEM

#### 1. Publication No. 9 - Volume C1 Catalogue of Meteorological Bulletins Notification from Venezuela

Region III

Name of country: Venezuela

Compiling or Editing Centre: Maracay

Effective immediately replace the four letter indicator (CCCC) of the abbreviated heading from SVBS to SVBR.

#### 2. "Additional" Data and Products

#### Related to Resolution 40 (Cg-XII)

##### Region I - Africa

Country: REUNION  
National Centre: Météo France  
Compiling Centre: St. Denis

Date: 03/01/2001

TTAAii	CCCC	Code Form	Time Group (GG)	Content
SIRE19	FMEE	FM 12-XI	03,09,15,21	61996 61997 61998
SIRE20	FMEE	FM 12-XI	03,09,15,21	61968 61970 61972 61976 61980 67005

##### Region III - South America

Country: FRENCH GUIANA  
National Centre: Météo France  
Compiling Centre: Cayenne/Rochambeau

Date: 03/01/2001

TTAAii	CCCC	Code Form	Time Group (GG)	Content
SIFG20	SOCA	FM 12-XI	03,09,15,21	81401 81405 81408 81415

##### Region IV - North and Central America

Country: ST. PIERRE AND/ET MIQUELON  
National Centre: Météo France  
Compiling Centre: Saint-Pierre

Date: 03/01/2001

TTAAii	CCCC	Code Form	Time Group (GG)	Content
SIFP20	LFVP	FM 12-XI	09,15,21	71805

## Region IV - North and Central America

Country: MARTINIQUE  
 National Centre: Météo France  
 Compiling Centre: Fort-de-France/Le Lamentin

Date: 03/01/2001

TTAAii	CCCC	Code Form	Time Group (GG)	Content
SIMR20	TFFF	FM 12-XI	03,09,15,21	78922 78925

## Region IV - North and Central America

Country: GUADELOUPE, ST. MARTIN, ST. BARTHELEMY  
 National Centre: Météo France  
 Compiling Centre: Le Raizet

Date: 03/01/2001

TTAAii	CCCC	Code Form	Time Group (GG)	Content
SIMF20	TFFR	FM 12-XI	03,09,15,21	78890 78894 78897

## Region VI - Europe

Country: FRANCE  
 National Centre: Météo France  
 Compiling Centre: Toulouse

Date: 03/01/2001

TTAAii	CCCC	Code Form	Time Group (GG)	Content
SIAA21	LFPW	FM 12-XI	03,09,15,21	89642
SIFR21	LFPW	FM 12-XI	03,09,15,21	07005 07015 07020 07027 07070 07100 07110 07117 07130 07149 07180 07190 07207 07222 07240 07255 07265 07280 07299 07314 07434 07460 07481 07510 07535 07558 07577 07591 07621 07627 07630 07643 07650 07661 07690 07747 07761 07790
SIFR22	LFPW	FM 12-XI	03,09,15,21	07037 07139 07335 07471 07607
SIFR41	LFPW	FM 12-XI	03,09,15,21	07002 07010 07028 07038 07040 07055 07061 07075 07090 07168 07169 07197 07288 07292
SIFR42	LFPW	FM 12-XI	03,09,15,21	07120 07143 07147 07153 07157 07200 07205 07230 07235 07249 07300 07306 07354
SIFR43	LFPW	FM 12-XI	03,09,15,21	07260 07379 07385 07471 07482 07486 07491 07497 07549
SIFR44	LFPW	FM 12-XI	03,09,15,21	07315 07330 07360 07412 07502 07524 07530 07602 07610 07622 07632
SIFR45	LFPW	FM 12-XI	03,09,15,21	07560 07579 07588 07635 07645 07667 07675 07680 07749 07754 07765 07770 07785
SMFR41	LFPW	FM 12-XI	00,06,12,18	07002 07010 07028 07038 07040 07055 07061 07075 07090 07168 07169 07197 07288 07292
SMFR42	LFPW	FM 12-XI	00,06,12,18	07120 07143 07147 07153 07157 07200 07205 07230 07235 07249 07300 07306 07354
SMFR43	LFPW	FM 12-XI	00,06,12,18	07260 07379 07385 07482 07486 07491 07497 07549
SMFR44	LFPW	FM 12-XI	00,06,12,18	07315 07330 07360 07412 07502 07524 07530 07602 07610 07622 07632
SMFR45	LFPW	FM 12-XI	00,06,12,18	07560 07579 07588 07635 07645 07667 07675 07680 07749 07754 07765 07770 07785