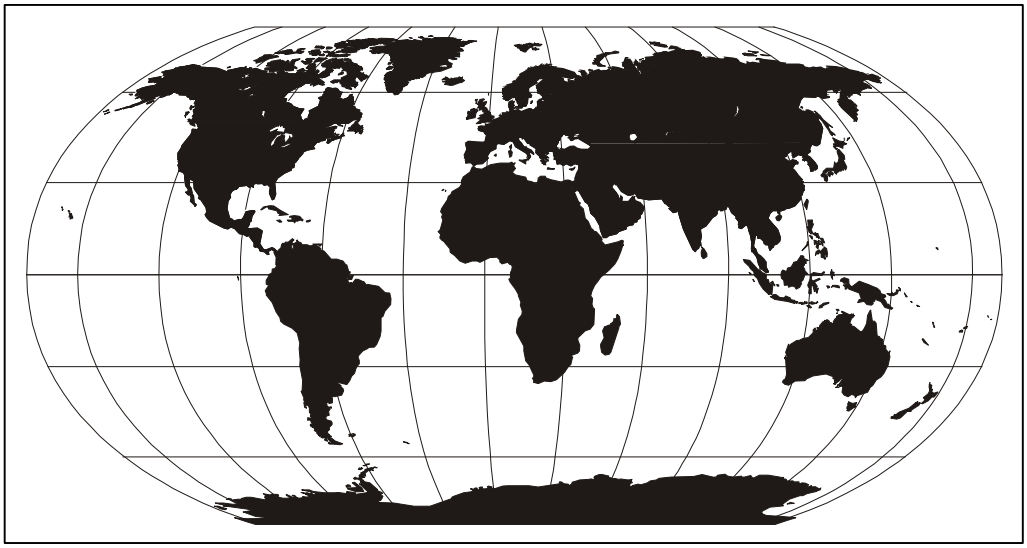
OPERATIONAL NEWSLETTER

World Weather Watch and Marine Meteorological Services



WORLD METEOROLOGICAL ORGANIZATION
GENEVA
SWITZERLAND

No. 09/10- 2001
(September/October 2001)

… inside this issue

CONTENTS

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.

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We look forward to hearing from you!

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

Operational Newsletter:
6 issues per year:
January/February
March/April
May/June
July/August
September/October
November/December

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MEETINGS SCHEDULED - 2001

Related to: The World Weather Watch and
Marine Meteorological Services

Date	Place	Title of the Meeting
5-8.XI.2001	Geneva, WMO Secretariat	Expert Team on Integrated Data Management
29.X.-13.XI.2001	Saint-Denis, La Réunion	Second RA I Training Course on Tropical Cyclones and the Public Weather Services WWW-A
12-16.XI.2001	Bogota, Colombia	Seminar on ATS/MET Coordination and Volcanic Ash WWW-A
12-16.XI.2001 (tentative)	Geneva, WMO Secretariat	Expert Team on Infrastructure for Long-range Forecasting WWW-B
26-30.XI.2001	Geneva, WMO Secretariat	CBS Task Team on Regulatory Material WWW-B
28.XI.-4.XII.2001	Honolulu, HI, USA	ESCAP/WMO Typhoon Committee - Thirty-fourth session WWW-A
19-23.XI.2001	Brasilia, Brazil	RA III RMDCN Steering Group Meeting WWW-B
3-7.XII.2001	Sydney, Australia (tentative)	RA V Working Group on the Planning and Implementation of the WWW - Third meeting WWW-B
3-7.XII.2001	Honolulu, HI, USA	OPAG/PWS Expert Team on Product Development and Service Assessment WWW-A
10-13.XII.2001	Sydney, Australia (tentative)	CBS Management Group – Second meeting WWW-B
2001 (Date to be decided)	Geneva, WMO Secretariat	VOS Clim Planning Meeting WWW-A

MEETINGS SCHEDULED - 2002

21-25 January 2002	Geneva, WMO Secretariat	CIMO Advisory Working Group WWW-B
January 2002 (Date to be decided)	New Delhi	Implementation Coordination Meeting on the GTS in Region II
6-8.II.2002	Geneva, WMO Secretariat	CBS Steering Group on Radio Frequency Coordination
6-9.II.2002	Geneva, WMO Secretariat	JCOMM Management Committee
28.II –6.III 2002	Goa, India	Meeting of Ship Observations Team WWW-A
1st quarter 2002	Bahrain	Regional Training Seminar on Objective Interpretation of GDPS Products and Improvement of Public Weather Services WWW-A, WWW-B
3-10.IV.2002	Orlando, FL, USA	RA IV Hurricane Committee - Twenty-fourth session WWW-A
April 2002 (Date to be decided)	Montreal, Canada (tentative)	CBS ISS Expert Team on Enhanced Utilization of Data Communication Systems
June/July 2002 (Date to be decided)	Geneva, WMO Secretariat	CBS Implementation Coordination Team on Information Systems and Services
9-27.IX.2002	Montreal, Canada (tentative)	Commission for Aeronautical Meteorology - Twelfth session *(conjoint session with ICAO MET Division)* 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
4-13 December 2002 (Date to be decided)	(Place to be decided)	Commission for Basic Systems - Extraordinary session WWW-B
2-6.XII.2002	Bahamas	Wave and Storm Surge Forecasting Workshop WWW-A

TERMINOLOGY USED:

ARGOS	Data relay and platform location system (Sat.)
ASAP	Automated Shipboard Aerological Programme
CBS	Commission for Basic Systems
CIMO	Commission for Instruments and Methods of Observation
CMM	Commission for Marine Meteorology
DBCP	Data Buoy Cooperation Panel
DPFS	Data-processing and Forecasting Systems
GDPS	Global Data-processing System
GOS	Global Observing System
GOOS	Global Ocean Observing System
GTS	Global Telecommunication System

IDNDR	International Decade for Natural Disaster Reduction
IOC	Intergovernmental Oceanographic Commission
IOS	Integrated Observing Systems
ISS	Information Systems and Services
JCOMM	Joint WMO/IOC Commission for Oceanography and Marine Meteorology
JTA	ARGOS Joint Tarif Agreement
NOAA	National Oceanic and Atmospheric Administration
NWP	Numerical weather prediction
OPAG	Open Programme Area Group
PWS	Public Weather Services
RA I	Regional Association I (Africa)
RA II	Regional Association II (Asia)
RA III	Regional Association III (South America)
RA IV	Regional Association IV (North and Central America)
RA V	Regional Association V (South-West Pacific)
RA VI	Regional Association VI (Europe)
WWW	World Weather Watch Department

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:9 October 2001	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	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46036	7190	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	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	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	7191	53 37' N 131 07' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46184	5324	53 56' N 138 53' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46185	7183	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	7186	54 10' N 134 17' W	S	S	S	S	S	S	S	N/A	-	-	-	-	-
46206	7140	48 50' N 126 00' W	S	S	S	S	S	S	S	N/A	-	-	-	-	-
46207	7187	50 53' N 129 55' W	X	X	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:9 October 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	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	X	X	X	X	X	X	X	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:9 October 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	X	X	X	X	X	X	X	N/A	-	-	-	-	-
45135	N/A	43 47' N 076 52' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
45136	N/A	48 32' N 086 57' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
45137	N/A	45 33' N 081 01' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
45138	3436	49 33' N 065 46' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
45139	N/A	43 24' N 079 27' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
45140	N/A	50 47' N 096 44' W	X	X	X	X	S	X	X	N/A	-	-	-	-	-
45141	N/A	61 11' N 115 19' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
45142	N/A	42 44' N 079 21' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
45143	N/A	44 57' N 080 38' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
45144	8671	53 12' N 098 50' W	+	+	+	+	+	+	+	N/A	-	-	-	-	-
45145	N/A	51 27' N 096 42' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
45147	N/A	42 26' N 082 41' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
45148	N/A	49 42' N 094 31' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
45149	N/A	43 33' N 082 05' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
45150	N/A	61 59' N 114 08' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
45151	N/A	44 30' N 079 22' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
45152	N/A	46 14' N 079 43' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
45154	N/A	46 03' N 082 38' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
45158	N/A	59 00' N 094 00' W	X	X	X	X	X	X	X	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:9 October 2001	Observed or Technical Parameters												
		Latitude / Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
46632	33066	48 12' N 158 00' W	+	+	X	X	X	+	+		-	-	-	-	-
46657	33069	49 24' N 169 18' W	+	+	X	X	X	+	+		-	-	-	-	-
46660	33070	47 24' N 169 24' W	+	+	X	X	X	+	+	X	-	-	-	-	-
46661	12521	29 36' N 147 36' W	X	S	X	X	X	+	+	X	-	-	-	-	-
46692	33073	47 48' N 166 24' W	+	+	X	X	X	+	+		-	-	-	-	-
46695	33068	51 30' N 160 24' W	+	+	X	X	X	+	+		-	-	-	-	-
46698	33074	48 12' N 156 12' W	+	+	X	X	X	+	+		-	-	-	-	-
46701	33071	46 30' N 170 00' W	+	+	X	X	X	+	+		-	-	-	-	-
46705	33072	44 30' N 169 00' W	+	+	X	X	X	+	+		-	-	-	-	-
46707	33067	49 30' N 159 36' W	+	+	X	X	X	+	+		-	-	-	-	-
46710	12516	31 12' N 137 18' 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. 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 serviced June 02/01
44258 - Buoy serviced Sept 10/01.
45132 - Buoy deployed May 20/01 15Z
45135 - Buoy redeployed Apr 26/00.
45136 - Buoy deployed May 22/01 18Z
45137 - Buoy redeployed May 10/01 18Z. Ocnl xtrans problems.
45138 - Buoy deployed May3/01 19Z
45139 - Buoy back in service Jul 16/01 19Z.
45140 - Buoy deployed May 24/01. Water Temp not available
45141 - Buoy deployed July 3/01.
45142 - Buoy deployed May/01 21Z
45143 - Buoy deployed Apr 20/01 13Z
45144 - Buoy removed for the winter Nov 10/00.
45145 - Buoy deployed May 25/01
45147 - Buoy deployed May 07/01 19Z
45148 - Buoy deployed June 6/01
45149 - Buoy deployed April 25/01 19Z
45150 - Buoy deployed Jul 13/01.
45151 - Buoy deployed May 14/01. WT u/s May 24 - June 7/01. Ocnl xtrans problems.
45152 - Buoy deployed May 13/01 16Z
45154 - Buoy deployed May 15/01 19Z
45158 - Buoy serviced Aug 9/01. Ocnl xtrans problems.
46004 - Buoy serviced May 9/01
46036 - Buoy serviced May 9/01
46131 - Buoy serviced Feb 21/01.
46132 - Buoy serviced May 4/01
46145 - Buoy serviced May 12/01
46146 - Buoy serviced Feb 22/01
46147 - Buoy serviced May 15/01.
46183 - Buoy serviced May 17/01
46184 - Buoy serviced May 10/01
46185 - Back in service Jan 12/01. Wind sensors replaced May 15/01
46204 - Buoy serviced May 6/01
46207 - Buoy serviced May 5/01
46208 - Buoy serviced May 14/01.
46661 - Air temp. failed Sep/98.
46710 - Drifter deployed Jan 7/00.

Failed:

44138 - Argos transmitter failed Dec/00.
44139 - Payload failed Dec 8/00.
44258 - Stopped transmitting Jan 4/01.
46205 - Stopped transmitting Aug 25/01
46206 - Stopped transmitting Sept 6/01

UNITED STATES OF AMERICA

Moored Buoys

WMO Buoy ID	ARGOS ID	Position: 11-18 October 2001		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
41002*		32.27N	75.42W	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		28.91N	78.55W	X	X	X	-	X	X	X	-	-	-	-	-	N
42001*		25.92N	89.68W	X	X	X	-	X	X	X	-	-	-	-	-	X
42002*		25.90N	93.59W	X	X	X	-	X	X	X	-	-	-	-	-	X
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	94.42W	X	X	X	-	X	X	X	-	-	-	-	-	X
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
42054		26.00N	87.73W	S	S	S	-	S	S	S	-	-	-	-	-	S
44004*		38.50N	70.47W	X	X	X	-	X	X	X	-	-	-	-	-	N
44005*		43.17N	69.22W	X	X	X	-	X	X	X	-	-	-	-	-	N
44007*		43.53N	70.14W	X	X	X	-	X	X	X	-	-	-	-	-	X
44008*		40.50N	69.43W	S	S	S	-	S	S	S	-	-	-	-	-	S
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	-	-	-	-	-	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
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	123.33W	X	X	X	-	X	X	X	-	-	-	-	-	S
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	-	-	-	-	-	S
46026*		37.76N	122.83W	X	X	X	-	X	X	X	-	-	-	-	-	S
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
46030*		40.42N	124.53W	X	X	X	-	X	X	X	-	-	-	-	-	N
46035*		56.91N	177.81W	S	S	S	-	S	S	S	-	-	-	-	-	N
46041*		47.34N	124.75W	X	X	X	-	X	X	X	-	-	-	-	-	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*		44.62N	124.53W	X	X	X	-	X	X	X	-	-	-	-	-	N
46053*		34.24N	119.85W	X	X	X	-	X	X	X	-	-	-	-	-	N
46054		34.27N	120.45W	X	X	X	-	X	X	X	-	-	-	-	-	X
46059*		37.98N	130.00W	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	X	X	X	-	X	X	X	-	-	-	-	-	N
46079*		59.05N	152.23W	X	X	X	-	X	X	X	-	-	-	-	-	X
46083*		58.25N	138.00W	X	X	X	-	X	X	X	-	-	-	-	-	X
48011		67.58N	164.19W	R	R	R	-	R	R	R	-	-	-	-	-	N
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	153.88W	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:	60
Total Other Buoys :	11
Total Moored Buoys :	71

Remarks: (mm/dd/yy)

41010 - Satellite interference problem.
42054 - Buoy data failed 5/14/01, deployment scheduled week of 10/22/01.
44008 - Buoy data failed 9/4/01.
46013 - Dew point data failed 7/12/01.
46025 - Dew point data failed 11/27/00.
46026 - Dew point data failed 4/4/00.
46035 - Buoy capsized 2/9/01, recovered to port 7/19/01, redeployment scheduled week of 10/22/01.
46054 - Parity in wave data.
46066 - Wind direction data failed, releasing wind speed data only.
48011 - Station disestablished 10/11/01.
51003 - Air temp data failed 1/16/01.

AUSTRALIA
Drifting Buoys

WMO Buoy ID	ARGOS ID	Position: 3 October 2001		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
53552	2931	-10.013	42.397	-	-	X	X	X	-	-	X	-	-	-	-	-
56511	1869	-22.963	65.782	-	X	X	X	X	-	-	X	-	-	-	-	-
56512	2933	-50.21	128.241	-	X	X	X	X	-	-	X	-	-	-	-	-
56513	2950	-23.739	102.046	X	X	X	X	X	-	-	X	-	-	-	-	-
56514	2935	-55.213	158.609	-	X	X	X	X	-	-	X	-	-	-	-	-
56515	2936	-49.814	163.16	-	X	X	X	X	-	-	X	-	-	-	-	-
56516	2938	-55.347	179.28	-	X	X	X	X	-	-	X	-	-	-	-	-
56535	2939	-33.536	85.42	-	X	X	X	X	-	-	X	-	-	-	-	-
74534	4871	-54.932	94.343	-	S	X	X	X	-	-	X	-	-	-	-	-

NEW ZEALAND
Drifting Buoys

WMO Buoy ID	ARGOS ID	Position: 1 September 2001		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
22187	55573	39.3S	155.3E	-	X	X	-	X	-	-	X	-	-	-	-	-
21584	55580	39.9S	161.8E	-	X	X	-	X	-	-	X	-	-	-	-	-
21585	55581	35.9S	161.0E	-	X	X	-	X	-	-	X	-	-	-	-	-
21587	55579	32.1S	169.9E	-	X	X	-	X	-	-	X	-	-	-	-	-
8585	55588	37.2S	165.8E	-	X	X	-	X	-	-	X	-	-	-	-	-

FRANCE
Moored Buoys

WMO Buoy ID	ARGOS ID	Position: 15 October 2001		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
13010*	01741	0.0N	0.0	-	X	-	-	X	-	-	-	X	-	-	-	-
15006*	00787	6.0S	10.0W	X	X	-	-	X	-	-	-	X	-	-	-	-
41096	05833	16.4N	60.9W	-	-	-	-	X	X	.	-	-	-	-	-	-
41097	05834	14.9N	61.1W	-	-	-	-	X	X	.	-	-	-	-	-	-
41098	05832	14.5N	61.1W	-	-	-	-	X	X	.	-	-	-	-	-	-
41100	-	15.9N	57.9W	X	X	X	X	X	X	X	-	-	X	-	-	-
61001	-	43.4N	7.8E	X	X	X	X	X	X	X	-	-	X	-	-	-
62001**	-	45.2N	5.0W	X	X	X	X	X	X	-	-	-	X	-	-	-
62051	-	49.5N	0.2W	X	X	-	-	X	-	-	-	-	-	-	-	-

62163**	-	47.5N	8.5W	X	X	X	X	X	X	-	-	-	X	-	-	-

* Pirata programme
** Cooperation UK Met. Office/Meteo-France.

Drifting Buoys - Indian Ocean

WMO Buoy ID	ARGOS ID	Position: 15 October 2001		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
16536	06428	58.1S	138.9E	-	-	X	X	X	-	-	S	-	-	-	-	-
16539	06436	39.5S	106.6E	-	-	X	X	X	-	-	X	-	-	-	-	-
16540	17927	49.8S	135.2E	-	-	X	X	X	-	-	S	-	-	-	-	-

Drifting buoys - North Atlantic

WMO Buoy ID	ARGOS ID	Position: 15 October 2001		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
62556	15507	37.5N	17.4W	S	-	-	-	S	-	-	-	S	-	-	-	-
62567	15521	36.4N	18.8W	S	-	-	-	S	-	-	-	S	-	-	-	-
62569	15525	33.1N	12.0W	X	-	-	-	X	-	-	-	X	-	-	-	-
62572	15532	40.2N	15.1W	X	-	-	-	X	-	-	-	X	-	-	-	-
62778	25051	35.8N	14.9W	-	-	-	-	X	-	-	X	-	-	-	-	-
62779	25052	42.9N	22.0W	-	-	-	-	S	-	-	S	-	-	-	-	-
62782*	03739	33.0N	15.4W	-	X	-	-	X	-	-	X	-	-	-	-	-
62784*	13060	30.4N	18.3W	-	X	-	-	X	-	-	X	-	-	-	-	-
62844	14754	44.3N	28.1W	-	-	-	-	S	-	-	S	-	-	-	-	-
62845	24331	35.1N	14.1W	-	-	-	-	S	-	-	S	-	-	-	-	-

*Reports salinity

ARGOS SERVICE
ARGOS monthly status report

Date of Statistics computation: 11 September 2001

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

DRIFTING BUOY	1174
MARINE STATION	122
MOORED BUOY	266
TERRESTRIAL ANIMALS	115
MARINE ANIMALS	220
BIRDS	288
BALLOONS	6
RAFOS FLOATS	53
FIXED STATION	543
BOAT(<20KNOTS)	-
SHIPS (>20KN)	-
TEREST VEHICLE	-
TOTAL	**2787**

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	167
FIXED STATION	22
RAFOS FLOATS	-
MOORED BUOYS	12

INSERTED BY RTH/WMC WASHINGTON

DRIFTING BUOY	597
FIXED STATIONS	28
GPS MOBILE	-
MOORED BUOY	65

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

BATHY	294
BUOY	464416
SHIP	4995
SIMPLE	24
STD	1690
SYNOP	35274
TESAC	59
TOTAL	**506752**

Date of Statistics computation: 1 October 2001

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

DRIFTING BUOY	1273
MARINE STATION	137
MOORED BUOY	311
TERRESTRIAL ANIMALS	130
MARINE ANIMALS	262
BIRDS	301
BALLOONS	4
RAFOS FLOATS	74
FIXED STATION	600
BOAT(<20KNOTS)	1046
SHIPS (>20KN)	39
TEREST VEHICLE	36
TOTAL	**4213**

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	163
FIXED STATION	24
RAFOS FLOATS	13
MOORED BUOYS	13

INSERTED BY RTH/WMC WASHINGTON

DRIFTING BUOY	606
FIXED STATIONS	29
GPS MOBILE	-
MOORED BUOY	64

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

BATHY	305
BUOY	444547
SHIP	5540
SIMPLE	13
STD	1458
SYNOP	33453
TESAC	46
TOTAL	**485362**

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"*.

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 officicial 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 obervation 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 $3P_oP_oP_oP_o$
1000 hPa) 850 hPa) 700 hPa) 500 hPa)	Geopotential of the given standard isobaric surface reported using group $4a_3hhh$

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

Index Number	UPPER-AIR PROG.				RADIATION CORRECTION		GROUND EQUIPMENT		RADIOSONDE		WINDFINDING		Remarks:
	00	06	12	18	Yes/No	Type	Type	Frequency	Regular	Alternative	System/Method	Equipment	

II. CODES

1. MANUAL ON CODES

National Coding Procedures with regard to international Code Forms.

Notification from United Kingdom (effective 1 November 2001)

FM 15-XII METAR, FM 16-XII SPECI bulletins and reports:
The second line "METAR YYGGggZ" (or "SPECI YYGGggZ") will not be included at the beginning of the bulletins. The name "METAR" will not be included at the start of each report.

FM 51-XII TAF bulletins and reports:
The second line "TAF" will not be included at the beginning of the bulletins. The single word "TAF" will not be included at the start of each report.

Notification from Portugal (effective from 1 November 2001 up to 1 May 2002)

FM 15-XII METAR, FM 16-XII SPECI bulletins and reports:
Portugal will not be in a condition to comply with the following regulations: 15.1.1, 15.3.1, 15.5.6 and 15.9.

FM 51-XII TAF bulletins and reports:
Portugal will not be in a condition to comply with the following regulation: 51.1.1.

Notification from Finland (effective 1 November 2001)

FM 15-XII METAR, FM 16-XII SPECI bulletins:
Finland will not be in a condition to comply with the amendments to be implemented on 1 November 2001.

FM 51-XII TAF bulletins:
Finland will not be in a condition to comply with the amendments to be implemented on 1 November 2001.

Notification from Czech Republic (effective 1 November 2001)

FM 15-XII METAR and FM 16-XII SPECI bulletins:
The first line "METAR YYGGggZ" or "SPECI YYGGggZ" will not be included at the beginning of the text of the METAR or SPECI bulletins respectively.

FM 51-XII TAF bulletins:
The first line TAF will not be included at the beginning of the text of the TAF bulletins.

Notification from France (effective 1 November 2001)

FM 15-XII METAR and FM 16-XII SPECI bulletins and reports:
The groups "METAR YYGGggZ" or "SPECI YYGGggZ" will not be included as the first line of the text of the bulletins. The code name "METAR" will not be included at the beginning of each report.

FM 51-XII TAF bulletins and reports:
The code name "TAF" will not be included as the first line of the text of the bulletins. The single word "TAF" will not be included at the beginning of each report.

Notification from Sweden (effective 1 November 2001)

Sweden will not compile bulletins in the new format for FM 15-XII METAR and FM 51-XII TAF.

Code Forms METAR, SPECI and TAF

Postponement of some regulations changes

Following an urgent request from ICAO, the President of WMO has approved, on behalf of the Executive Council, the postponement of the modifications (deletion of last sentences) of Regulations 15.1.1 and 51.1.1 included in Recommendation 3 (CBS-XII) for amendments to the Manual on Codes, WMO No 306, Volume I.1, Part A, Alphanumeric Codes.

Therefore regulations 15.1.1 and 51.1.1 remain unchanged until an appropriate date is decided. This means that in a bulletin the code name **METAR, SPECI** or **TAF** may continue to be omitted by regional air navigation agreement, or by agreement between the authorities concerned. Their mandatory inclusion, as specified in Rec. 3 (CBS-XII), will be implemented at a future date which is under consideration.