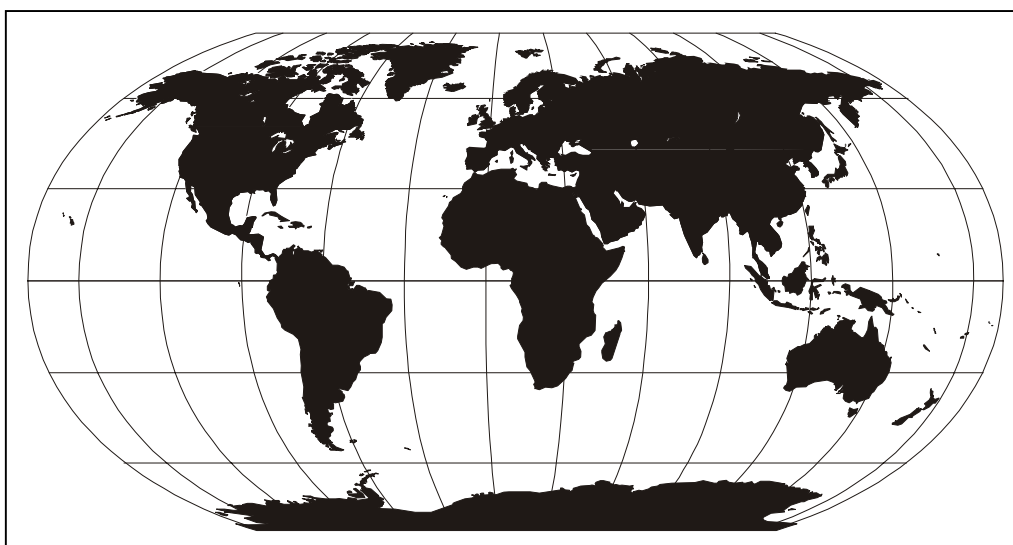




OPERATIONAL NEWSLETTER

World Weather Watch and Marine Meteorological Services



WORLD METEOROLOGICAL ORGANIZATION
GENEVA
SWITZERLAND

No. 07/08 - 2000
(July/August 2000)

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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!

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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Please contact:

Tel.: +41 22 730 85 89

Or mail to:

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

Internet: bestj@www.wmo.ch

FORTHCOMING MEETINGS - 2000

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

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

Terminology adopted by CBS and used below:

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

Date	Place	Title of the Meeting
30 August -18 September 2000	Cook Islands	RA V/TCC
17-18 September 2000	Seoul	Regional Seminar on Meteorological Services
18-22 September 2000	Paris	10 th Mtg on EANPG (METG/10)
19-22 September 2000	Geneva	Third Meeting of AMDAR Panel
19-27 September 2000	Seoul	XII-RA II
25-27 September 2000	London	Discussions with INMARSAT
25-29 September 2000	Riga	BSIM-20
27-29 September 2000	Reading	ASAP Panel - 12 th Session
3-5 October 2000	Geneva	PTC-2000
3-5 October 2000	Reykjavik	IICWG
9-13 October 2000	Melbourne	Regional PWS Workshop for SIDS (RAs I & V)
9-13 October 2000	Dakar – MF	ATS/MET Coordination and AMDT-72
16-20 October 2000	Beijing	Workshop on Ensemble Prediction Systems
16-25 October 2000	Victoria (Canada)	DBCP-XVI and Argos JTA-20
16-27 October 2000	Melbourne	Southern Hemisphere Training Course on TCs
17-27 October 2000	Mexico City	Training Seminars in Cost Recovery and WAFS
23-27 October 2000	Beijing	TECO-2000, METEOREX-2000
23-27 October 2000	Hong Kong, China – MF 89/2000	CAeM/WG on TREND

25-28 October 2000	Malta	REMPEC
30 October - 1 November 2000	Asheville	VOS Clim Project 2 nd Planning Meeting
30/10-10/11	Lisbon	IODE
30/10-10/11	Malé, Seychelles	Training Seminar on GDPS products and PWS
6-10 November 2000	Niamey	Training Seminar on WAFS
6-10 November 2000	Cape Town	Workshop for PMOs in RA I
13-17 November 2000	Chiang Mai, Thailand	RTC on Tropical Cyclones and Storm Surges
27-28 November 2000	Geneva	CBS Technical Conference on ISS
29 November-8 December 2000 (Date to be decided)	Geneva	Commission for Basic Systems - 12 th Session
30 October - 10 November 2000	Mahé, Seychelles	PWS and GDPS Joint Workshop for RA I
21-27 November 2000	Macao, China	Typhoon Cttee – 33 rd session
6-10 November 2000	Cape Town	Workshop for PMOs in RA I
28 November -4 December 2000	Macao, China	Typhoon Cttee – 33 rd session

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: 1 September 2000	Observed or Technical Parameters													
		Latitude / Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	
46004	7195	50 59' N 135 48' W	X	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46036	5324	48 21' N 133 56' W	X	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	X	N/A	-	-	-	-	-
46132	7196	49 44' N 127 56' W	X	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46145	7183	54 23' N 132 25' W	X	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	X	N/A	-	-	-	-	-
46147	7184	51 50' N 131 14' W	X	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	X	N/A	-	-	-	-	-
46183	7186	53 37' N 131 07' W	X	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46184	7180	53 56' N 138 53' W	X	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46185	7194	52 25' N 129 47' W	X	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46204	4484	51 22' N 128 45' W	X	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46205	7185	54 10' N 134 17' W	X	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46206	7187	48 50' N 126 00' W	X	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46207	4485	50 53' N 129 55' W	X	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46208	7197	52 31' N 132 42' W	X	X	X	X	X	X	X	X	N/A	-	-	-	-	-

Moored Buoys North-west Atlantic Ocean

WMO Buoy ID	ARGOS ID	Position: 1 September 2000	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	S	S	S	S	S	S	N/A	-	-	-	-	-
44138	5577	44 16' N 053 37' W	X	S	X	X	X	X	X	N/A	-	-	-	-	-
44139	3448	44 16' N 057 23' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
44140	5576	43 51' N 052 15' W	N/A	-	-	-	-	-
44141	3449	42 05' N 056 14' W	X	S	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	-	-	-	-	-

*Buoy Adrift:

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

WMO Buoy ID	ARGOS ID	Position: 1 September 2000	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 26' N 079 23' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
45140	N/A	50 47' N 096 44' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
45141	N/A	61 11' N 115 19' W	X	X	X	X	S	X	X	N/A	-	-	-	-	-
45142	N/A	42 44' N 079 17' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
45143	N/A	44 55' N 080 38' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
45144	8671	53 12' N 098 50' W	X	X	X	X	X	S	S	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 32' N 081 58' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
45150	3439	61 55' N 113 51' W	S	S	S	S	S	S	S	N/A	-	-	-	-	-
45151	N/A	44 30' N 079 22' W	S	S	S	S	S	S	S	N/A	-	-	-	-	-
45152	N/A	46 14' N 079 43' W	S	S	S	S	S	S	S	N/A	-	-	-	-	-
45154	N/A	46 03' N 082 38' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-

Drifting Buoys Pacific Ocean

WMO Buoy ID	ARGOS ID	Position: 1 September 2000	Observed or Technical Parameters												
		Latitude / Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
46657	12511	49 18' N 157 54' W	X	X	X	X	X	.	.	X	-	-	-	-	-
46660	12514	45 36' N 151 36' W	X	X	X	X	X	.	.	X	-	-	-	-	-
46661	12521	32 36' N 132 00' W	X	S	X	X	X	.	.	X	-	-	-	-	-
46692	12513	28 48' N 162 18' W	S	X	X	X	X	.	.	X	-	-	-	-	-
46701	12510	48 00' N 134 42' W	X	X	X	X	X	.	.	X	-	-	-	-	-
46710	12516	39 18' N 152 48' W	X	X	X	X	X	.	.	X	-	-	-	-	-

Remarks:

44138 - Air Temperature Questionable. Buoy serviced April 22/00.
 44139 - Buoy deployed April 19/00.
 44140 - Buoy adrift July 18/00. Recovered Aug 20/00.
 44141 - Re-deployed June 29/99. Air temp failed Nov 10/99.
 44251 - Buoy transmitting weather messages using Argos.
 44258 - Buoy deployed Feb 18/00.
 45132 - Buoy deployed April 22/00.
 45135 - Buoy redeployed April 26/00.
 45136 - Buoy deployed April 21/00 Buoy serviced July 26/00
 45137 - Buoy deployed April 13/00. Buoy serviced July 21/00
 45138 - Buoy deployed May 5th/00.
 45139 - Wind direction suppressed May 22/00. Buoy serviced July 10/00
 45140 - Buoy deployed June 2/00.
 45141 - Buoy deployed July 28/00. Water Temp failed July 28/00.
 45142 - Buoy deployed Apr 22/00.
 45143 - Buoy deployed April 10/00.
 45144 - Buoy deployed June 26/00
 45145 - Buoy deployed June 3/00.
 45147 - Buoy deployed June 12/00.
 45148 - Buoy deployed July 05/00
 45149 - Buoy deployed June 13/00.
 45154 - Buoy deployed May 19/00.
 46004 - Goes transmitter u/s May 28/00. Transmitting via Argos.
 46036 - Buoy serviced April 24/00.

46132 - Buoy serviced July 25/00.
 46145 - Buoy serviced July 11/00
 46147 - Buoy serviced Jun 14/00.
 46183 - Buoy serviced Jul 9/00.
 46184 - Buoy serviced April 28/00. Wind #2 u/s July 4/00
 46185 - Buoy serviced July 7/00
 46204 - Buoy serviced July 4/00
 46206 - Buoy serv. April 20. Transmitter u/s Apr 26/11Z. Buoy serv. May 1/15Z.
 46207 - Buoy Serviced July 25/00
 46657 - Buoy Deployed July 18/00
 46660 - Drifter deployed Mar 7/00.
 46661 - Air temp. failed Sept. 98
 46692 - Wind failed Nov.20/98.
 46701 - Drifter deployed Nov 18/99.
 46710 - Drifter deployed Jan 7/00.

Failed:

44137 - due to low battery voltage Nov 6/99.
 45150 - Aug 4/00.
 45151 - Jul 21/00.
 45152 - Aug 9/00.

UNITED STATES OF AMERICA

List of U.S.A. Ocean Data Acquisition Systems (ODAS) included in the Data Platform Status Report of the Data Buoy Centre of the National Oceanic and Atmospheric Administration (NOAA) on 13 July 2000. Geostationary meteorological satellites collect data from moored buoys and platforms and reports are distributed on the GTS in SHIP code. Data from drifting buoys are collected by the ARGOS system and distributed on the GTS in DRIFTER CODE.

Moored Buoys

WMO Buoy ID	ARGOS ID	Position: 6-13 July 2000		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
41001*		34.68N	72.64W	X	X	X	-	X	X	X	-	-	-	-	-	N
41002*		32.28N	75.20W	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*		25.89N	93.57W	X	X	X	-	X	X	X	-	-	-	-	-	X
42003*		25.94N	85.91W	X	X	X	-	X	X	X	-	-	-	-	-	X
42007*		30.10N	88.78W	X	X	X	-	X	X	X	-	-	-	-	-	X
42019*		27.92N	95.35W	X	X	X	-	X	X	X	-	-	-	-	-	X
42020*		26.92N	96.70W	X	X	X	-	X	X	X	-	-	-	-	-	X
42035*		29.25N	94.41W	X	X	X	-	X	X	X	-	-	-	-	-	X
42036*		28.51N	84.51W	X	X	X	-	X	S	S	-	-	-	-	-	X
42039		28.78N	86.04W	X	X	X	-	X	X	X	-	-	-	-	-	X
42040		29.21N	88.20W	X	X	X	-	X	X	X	-	-	-	-	-	X
42041		27.23N	90.43W	X	X	X	-	X	X	X	-	-	-	-	-	N
42054		26.01N	87.76W	X	X	X	-	X	X	X	-	-	-	-	-	X
44004*		38.46N	70.69W	X	X	X	-	X	X	X	-	-	-	-	-	N

44005*		42.90N	68.95W	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	-	-	-	-	-	N
44011*		41.08N	66.58W	X	X	X	-	X	X	X	-	-	-	-	-	N
44013*		42.35N	70.69W	X	X	X	-	X	X	X	-	-	-	-	-	X
44014		36.58N	74.83W	X	X	X	-	S	X	X	-	-	-	-	-	N
44025*		40.25N	73.17W	X	X	X	-	X	X	X	-	-	-	-	-	X
45001*		48.06N	87.78W	X	X	X	-	S	X	X	-	-	-	-	-	N
45002*		45.31N	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*		42.53N	130.26W	X	X	X	-	X	X	X	-	-	-	-	-	N
46005*		46.08N	131.00W	X	X	X	-	X	X	X	-	-	-	-	-	N
46006*		40.84N	137.49W	S	S	S	-	S	S	S	-	-	-	-	-	N
46011*		34.88N	120.87W	X	X	X	-	X	X	X	-	-	-	-	-	X
46012*		37.39N	122.73W	S	S	S	-	S	S	S	-	-	-	-	-	N
46013*		38.23N	123.33W	X	X	X	-	X	X	X	-	-	-	-	-	X
46014*		39.22N	123.97W	X	X	X	-	X	X	X	-	-	-	-	-	N
46022*		40.74N	124.51W	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	-	-	-	-	-	X
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	124.50W	X	X	X	-	X	X	X	-	-	-	-	-	N
46030*		40.42N	124.53W	X	X	X	-	X	X	X	-	-	-	-	-	N
46035*		56.91N	177.81W	X	X	X	-	X	X	X	-	-	-	-	-	N
46041*		47.33N	124.75W	S	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	-	-	-	-	-	X
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*		60.21N	146.84W	X	S	X	-	X	X	X	-	-	-	-	-	N
46062		35.10N	121.01W	X	X	X	-	X	X	X	-	-	-	-	-	X
46063*		34.25N	120.66W	X	X	X	-	X	X	X	-	-	-	-	-	N
46066*		52.65N	155.00W	X	X	X	-	X	X	X	-	-	-	-	-	N
51001*		23.40N	162.27W	X	X	X	-	X	X	X	-	-	-	-	-	N
51002*		17.19N	157.83W	X	X	X	-	X	X	X	-	-	-	-	-	N
51003*		19.17N	160.73W	X	X	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: 58
 Total Other Buoys 11

 Total Moored Buoys 69

Remarks (d/m/yy):

41002 - Buoy adrift, redeployed 7/12/00.
 42001 - Data processing problem.
 42020 - Station data failed 2/26/00, restored 7/10/00.
 42036 - Wave data failed 8/19/99, serviced scheduled 8/00.
 44004 - Wave data failed 7/6/00
 44008 - Wind data failed 6/22/00
 44009 - Parity errors in data
 44014 - Water temp data failed 5/21/00.
 45001 - Water temp data failed 4/17/00.
 45005 - Satellite communication problem, service scheduled week of 7/24/00.

46006 - Station failed 12/16/99, service scheduled for week of 8/28/00.
 46012 - Station failed 3/5/00, restored 7/11/00.
 46026 - Dew point data failed 4/4/00
 46029 - Wave data failed 6/26/00
 46035 - Parity errors in data.
 46041 - Wind data failed 6/12/00.
 46061 - Air temp data failed 3/12/00, service scheduled 10/00.
 46063 - Wind data failed 7/10/00.

AUSTRALIA

Moored Buoys

WMO Buoy ID	ARGOS ID	Position: 31 July 2000		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
55038	2946	-35.112	138.475	X	X	X	X	X	-	-	X	-	-	-	-	-

Drifting Buoys (Drogued)

WMO Buoy ID	ARGOS ID	Position: 31 July 2000		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
52625	1955	-14.055	138.819	X	X	X	X	X	-	-	X	-	-	-	-	-
53552	2931	-18.277	118.286	-	-	X	X	X	-	-	X	-	-	-	-	-
55525	2948	-43.5	154	-	X	X	X	X	-	-	X	-	-	-	-	-
56504	1535	-50.785	-177.474	-	X	X	X	S	-	-	X	-	-	-	-	-
56506	2932	-42.989	116.574	-	-	X	X	X	-	-	X	-	-	-	-	-
56507	1740	-48.106	108.994	-	X	X	X	X	-	-	X	-	-	-	-	-
56535	2939	-43.227	39.003	-	X	X	X	X	-	-	X	-	-	-	-	-
56545	2693	-36.816	131.657	-	S	X	X	X	-	-	X	-	-	-	-	-

NEW ZEALAND

Moored Buoys

WMO Buoy ID	ARGOS ID	Position: 1 September 2000		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
7176	55586	20.3S	161.5E	-	S	X	-	S	-	-	X	-	-	-	-	-
22188	55577	31.5S	164.6E	-	X	S	-	X	-	-	X	-	-	-	-	-
22189	55572	45.3S	173.0W	-	X	X	-	X	-	-	X	-	-	-	-	-
21584	55580	43.6S	154.8E	-	X	X	-	X	-	-	X	-	-	-	-	-
21587	55579	39.5S	162.2E	-	X	X	-	X	-	-	X	-	-	-	-	-
8585	55588	38.6S	164.2E	-	X	X	-	X	-	-	X	-	-	-	-	-

FRANCE

Moored Buoys

WMO Buoy ID	ARGOS ID	Position: 31 August 2000		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	-	-	-	X	-	-		
15001*	16857	10.0S	10.0W	S	X	-	-	S	-	-	-	S	-	-		
15002*	02306	0.0N	9.9W	X	X	-	-	S	-	-	-	X	-	-		
15006*	06881	6.0S	10.0W	X	X	-	-	X	-	-	-	X	-	-		
41096	05833	16.4N	60.9W	-	-	-	-	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	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	-	-	-	-	-		

* Pirata project

** Cooperation UK Met. Office/Meteo-France

Drifting Buoys

Indian Ocean

WMO Buoy ID	ARGOS ID	Position: 31 August 2000		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
14539	07179	16.7S	8.2E	-	-	X	X	X	-	-	X	-	-	-		
23589	29754	27.2S	4.8E	-	-	X	X	X	-	-	X	-	-	-		
23590	07568	5.2S	6.7E	X	-	X	X	X	-	-	X	-	-	-		

EUROPEAN GROUP ON OCEAN STATIONS

Drifting buoys: North Atlantic

France

WMO Buoy ID	ARGOS ID	Position: 15 August 2000		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
44607	6216	53.000	-28.917	X	-	X	X	X	-	-	X	-	-	-	-	-
44608	14540	29.400	-17.307	-	-	X	X	X	-	-	-	-	-	-	-	-
44610	12734	52.800	-33.900	-	-	X	X	X	-	-	X	-	-	-	-	-
62506	12733	36.000	-30.785	X	-	-	-	X	-	-	X	-	-	-	-	-
62507	10111	34.300	-26.711	-	X	X	X	X	-	-	-	-	-	-	-	-
62508	5822	40.200	-19.272	X	X	X	X	X	-	-	-	-	-	-	-	-

62509	14537	44.800	-7.428	-	-	X	X	X	-	-	X	-	-	-	-	-
62512	12730	40.600	-23.240	-	-	X	X	X	-	-	X	-	-	-	-	-
62513	12731	45.300	-25.349	-	-	X	X	X	-	-	X	-	-	-	-	-
62514	7119	49.900	-20.029	-	-	X	X	X	-	-	X	-	-	-	-	-
62516	7445	47.200	-26.421	-	-	X	X	X	-	-	X	-	-	-	-	-
62520	14431	33.100	-32.525	-	X	X	X	X	-	-	-	-	-	-	-	-
64517	14178	59.600	-24.571	-	-	X	X	X	-	-	-	-	-	-	-	-
64519	23618	66.200	-23.550	-	-	X	X	X	-	-	X	-	-	-	-	-
64520	23619	66.100	-24.392	-	-	X	X	X	-	-	X	-	-	-	-	-
64698	29867	61.400	-28.267	-	-	X	X	X	-	-	-	-	-	-	-	-
64699	29868	59.000	-54.748	-	-	X	X	X	-	-	-	-	-	-	-	-

Germany

WMO Buoy ID	ARGOS ID	Position: 15 August 2000		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
65601	3039	59.951	-31.410	-	X	X	X	X	-	-	-	-	-	-	-	-

Ireland

WMO Buoy ID	ARGOS ID	Position: 15 August 2000		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
64548	1153	650.190	528.210	-	X	X	X	X	-	-	-	-	-	-	-	-
65602	6667	60.225	-33.500	-	X	X	X	X	-	-	-	-	-	-	-	-

The Netherlands

WMO Buoy ID	ARGOS ID	Position: 15 August 2000		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
44723	16392	47.200	-28.185	-	-	X	X	X	-	-	X	-	-	-	-	-
62596	16391	61.400	-21.536	-	-	X	X	X	-	-	X	-	-	-	-	-
65593	4228	61.300	-31.076	-	X	X	X	X	-	-	-	-	-	-	-	-

Norway

WMO Buoy ID	ARGOS ID	Position: 15 August 2000		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
64546	3675	49.900	-20.775	-	X	X	X	X	-	-	-	-	-	-	-	-
65600	3676	56.300	-29.983	-	X	X	X	X	-	-	-	-	-	-	-	-

ARGOS SERVICE

ARGOS monthly status report

Date of Statistics computation: 1 July 2000

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

DRIFTING BUOY	1280
MARINE STATION	132
MOORED BUOY	309
TERRESTRIAL ANIMALS	145
MARINE ANIMALS	170
BIRDS	236
BALLOONS	8
RAFOS FLOATS	54
FIXED STATION	593
TOTAL	2927

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	133
FIXED STATION	25
MOORED BUOYS	14

INSERTED BY RTH/WMC WASHINGTON

DRIFTING BUOY	664
FIXED STATIONS	32
GPS MOBILE	-
MOORED BUOY	63

CODING STATISTICS OF PLATFORMS

Reporting through ARGOS and distributed over the GTS

BATHY	460
BUOY	360358
SHIP	2508
SIMPLE	110
STD	1104
SYNOP	43544
TESAC	184
TOTAL	408268

Date of Statistics computation: 7 August 2000

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

DRIFTING BUOY	1309
MARINE STATION	137
MOORED BUOY	295
TERRESTRIAL ANIMALS	108
MARINE ANIMALS	164
BIRDS	273
BALLOONS	5
RAFOS FLOATS	33
FIXED STATION	580
TOTAL	2904

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	132
FIXED STATION	25
MOORED BUOYS	13

INSERTED BY RTH/WMC WASHINGTON

DRIFTING BUOY	667
FIXED STATIONS	29
GPS MOBILE	-
MOORED BUOY	65

CODING STATISTICS OF PLATFORMS

Reporting through ARGOS and distributed over the GTS

BATHY	362
BUOY	338474
SHIP	2623
SIMPLE	68
STD	1544
SYNOP	38948
TESAC	313
TOTAL	382332

2. Daylight Saving Time

Australian Summer Time 2000/2001

New South Wales, the Australian Capital Territory, Tasmania and Victoria will implement daylight saving of one hour at 1600 UTC on 26 August 2000. Summer time will continue until 1500 UTC, 24 March 2001.

South Australia will implement daylight saving of one hour at 1630 UTC, 28 October 2000. Summer Time will continue until 1530 UTC, 24 March 2001.

Western Australia, Queensland and Northern Territory will not be implementing Summer Time.

The following changes to the observational schedule for Australian stations will be implemented for the duration of Summer Time:

Surface observations:

- Stations, which are part of the Regional Basic Synoptic Network (RBSN), equipped with an automatic weather station, will continue to transmit SYNOP at the standard WMO hours.
- Surface observations in States implementing Summer Time from stations, which are not part of the RBSN, will be made one hour earlier than schedules previously advised.

- Western Australia, Queensland and the Northern Territory surface observations will continue on the present schedule.

Upper-air observations:

- All programs will remain unchanged.

Other stations under Australian control will adopt the following schedules:

- 94299 Willis Island - will follow Queensland practice.
- 94995 Lord Howe Island and 94996 Norfolk Island - will follow New South Wales practice
- 94998 Macquarie Island - will follow Tasmanian practice
- 96996 Cocos Island and 96995 Christmas Island - will follow Western Australian practice

Australian Antarctic stations' schedules remain unchanged.

New Zealand Summer Time

New Zealand will introduce a period of daylight saving from 1400 UTC on 1 October 2000 to 1400 UTC 18 March 2001. During this period all SYNOP reports and upper-air soundings will be carried out one hour earlier.

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 ₀ P ₀ P ₀ P ₀
1000 hPa	Geopotential of the given standard isobaric surface reported using group 4a3hhh
850 hPa	
700 hPa	
500 hPa	

Column G:

Reasons for temporary suspension of observing programmes and an expected date of resumption of the programmes should be given as far as possible. Non-standard collection and/or distribution times should also be included, and also possible alternate observing stations, as appropriate.

These tables should be sent to:

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

BEFORE the 15th of the month

for inclusion in the
 “OPERATIONAL NEWSLETTER”

II. CODES

1. MANUAL ON CODES

Volume II, WMO No 306

National Coding Procedures with regard to International Code Forms

Notification from Canada (effective June 2000)

Chapter IV, Section D, Page II - 4 - D - 2 (in English version)

Replace 15.1.1 with:

15.1.1 METAR or SPECI or LWIS shall appear as the first word of each report. Reports identified by LWIS shall report once per hour the following groups only:

LWIS CCCC YYGGggZ AUTO dddffGf_mf_mKT T'T'/T'dT'd AP_HP_HP_HP_H

Notification from Estonia (effective 10 August 2000)

Chapter IV, Section D, Page II - 6 - D - 11 (in English version)

FM 15-X Ext. METAR

FM 16-X Ext. SPECI

15.5.1, 15.5.3, 15.5.5

The averaging period for wind observations for aerodrome Tartu/Ülenurme is 2 min.

15.5.3

The group d_nd_nd_nVd_xd_xd_x not in use for aerodrome Tartu/Ülenurme.

III. GLOBAL TELECOMMUNICATION SYSTEM

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

NEW SHIP BULLETINS.

Notification from Australia

Effective 01 November 2000, WMC Melbourne will be compiling SHIP SYNOP reports into appropriate bulletins based on the geographical area in which the vessel is operating. The abbreviated headings of these bulletins will be as follows:

<u>Abbreviated Heading</u>	<u>Main Synoptic Hours</u>
SMVA01 AMMC	00, 06, 12, 18
SMVB01 AMMC	00, 06, 12, 18
SMVC01 AMMC	00, 06, 12, 18
SMVD01 AMMC	00, 06, 12, 18
SMVE01 AMMC	00, 06, 12, 18
SMVF01 AMMC	00, 06, 12, 18
SMVJ01 AMMC	00, 06, 12, 18

<u>Abbreviated Heading</u>	<u>Intermediate Synoptic Hours</u>
SIVA21 AMMC	03, 09, 15, 21
SIVB21 AMMC	03, 09, 15, 21
SIVC21 AMMC	03, 09, 15, 21
SIVD21 AMMC	03, 09, 15, 21
SIVE21 AMMC	03, 09, 15, 21
SIVF21 AMMC	03, 09, 15, 21
SIVJ21 AMMC	03, 09, 15, 21