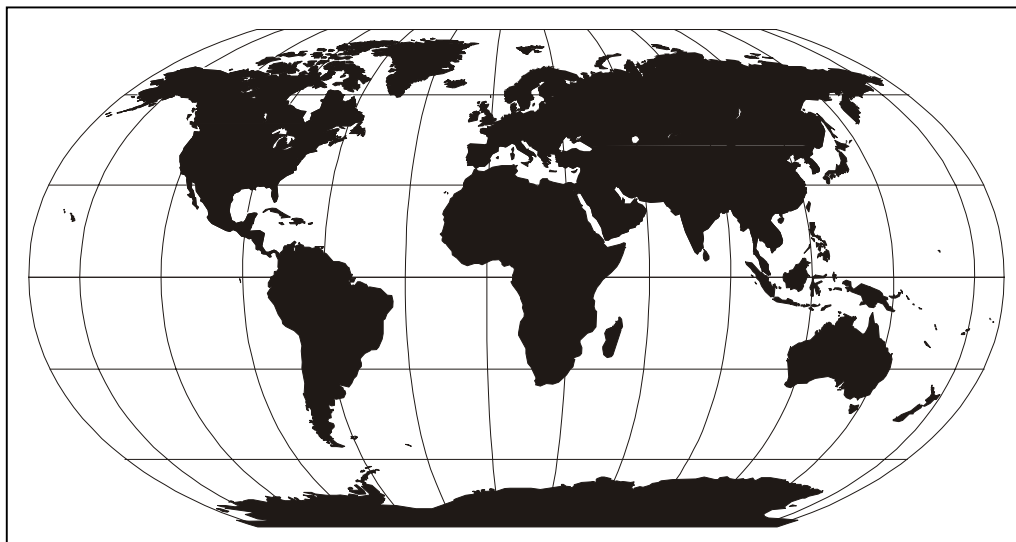




# OPERATIONAL NEWSLETTER

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World Weather Watch and Marine Meteorological Services



**WORLD METEOROLOGICAL ORGANIZATION  
GENEVA  
SWITZERLAND**

**No. 05/06- 2001**  
(May/June 2001)

... *inside this issue*

## CONTENTS

	<i>PAGE</i>
Editorial .....	3
Forthcoming Meetings .....	4
<u>I. Global Observing System .....</u>	<u>5</u>
1. Automatic Marine Stations.....	5
2. Feed-back from Members to the Secretariat on any changes in the Observing Network .....	14
3. <i>Explanatory Notes</i> .....	15
<i>Feedback Form</i> .....	17
<u>II. Codes .....</u>	<u>19</u>
1. Manual on Codes.....	19
<u>III. Global Telecommunication System .....</u>	<u>20</u>
1. Additional Data and Products.....	20

## 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

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## MEETINGS SCHEDULED - 2001

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

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

# 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 June 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	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46206	7140	48 50' N	126 00' W	X	X	X	X	X	X	X	N/A	-	-	-	-	-
46207	7187	50 53' N	129 55' W	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:1 June 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	S	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	S	S	S	S	S	S	S	S	N/A	-	-	-	-	-
44258	9232	44 30' N 063 24' W	S	S	S	S	S	S	S	S	N/A	-	-	-	-	-

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

WMO Buoy ID	ARGOS ID	Position:1 June 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 26' N	079 23' W	S	S	S	S	S	S	S	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	+	+	+	+	+	+	+	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	+	+	+	+	+	+	+	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	+	+	+	+	+	+	+	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	+	+	+	+	+	+	+	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	-	-	-	-	-

+ 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:1 June 2001		Observed or Technical Parameters												
		Latitude / Longitude		1	2	3	4	5	6	7	8	9	10	11	12	13
46660	12514	51 36' N	135 18' W	+	+	+	+	+	+	+	X	-	-	-	-	-
46661	12521	30 54' N	146 54' W	X	*	X	X	X	+	+	X	-	-	-	-	-
46710	12516	35 24' N	130 30' 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. Winds failed April 16/01 05Z  
 44251 - Buoy xmitting weather messages using ARGOS.  
 Switched back to GOES May 7/01  
 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  
 45138 - Buoy deployed May3/01 19Z  
 45140 - Buoy deployed May 24/01  
 45141 - Buoy removed for the winter Oct 22/00.  
 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 removed for the winter Oct 29/00.  
 45149 - Buoy deployed April 25/01 19Z  
 45150 - Buoy removed for the winter Oct 15/00.  
 45151 - Buoy deployed May 14/01. Water temp u/s May 24/01  
 45152 - Buoy deployed May 13/01 16Z  
 45154 - Buoy deployed May 15/02 19Z  
 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  
 46205 - Buoy serviced May 11/01  
 46206 - Buoy serviced May 3/01.  
 46207 - Buoy serviced May 5/01  
 46208 - Buoy serviced May 14/01.  
 46660 - Drifter deployed Mar 7/00. Recovered by CCGS Laurier May 13/01

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.  
 44142 - Transmitting Data Buffer Empty messages since Oct 21/00.  
 44255 - Stopped transmitting Feb 12/01.  
 44258 - Stopped transmitting Jan 4/01.  
 45139 - Payload failed Nov 17/00. To be repaired April 2001

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

WMO Buoy ID	ARGOS ID	Position: 21-28 June 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	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	-	-	-	-	-	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	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	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*		42.57N	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	-	-	-	-	-	X
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	-	-	-	-	-	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*		60.22N	146.83W	X	X	X	-	X	X	X	-	-	-	-	-	N
46062		35.10N	121.01W	X	X	X	-	X	X	X	-	-	-	-	-	X
46063*		34.25N	120.66W	S	S	S	-	S	S	S	-	-	-	-	-	N
46066*		52.65N	155.00W	X	X	X	-	X	X	X	-	-	-	-	-	N
48011		67.52N	164.50W	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:	59
Total Other Buoys :	10
Total Moored Buoys :	69

**Remarks: (mm/dd/yy)**

- \* 41002 - Buoy recovered to port 5/17/01, redeployed 6/27/01.
- \* 42002 - Buoy data failed 1/11/01, replacement scheduled week of 8/13/01.
- \* 42054 - Buoy data failed 5/14/01, replacement scheduled week of 7/1/01.
- \* 44008 - Wind data failed 2/24/01, service scheduled 6/28/01.
- \* 44025 - Dew point data failed 7/31/00.
- \* 45001 - Buoy data failed 5/23/01, restored 6/23/01.
- \* 46025 - Dew point data failed 11/27/00.
- \* 46026 - Dew point data failed 4/4/00.

- \* 46035 - Buoy data failed 2/9/01, recovery scheduled week of 7/2/01.
- \* 46060 - Parity errors in wave data, service scheduled week of 7/9/01.
- \* 46063 - Buoy adrift 5/30/01, replacement scheduled week of 8/20/01.
- \* 48011 - Seasonal recovery 10/7/00, replacement scheduled 7/10/01.
- \* 51003 - Air temp data failed 1/16/01.



## AUSTRALIA *Drifting Buoys*

WMO Buoy ID	ARGOS ID	Position: 5 July 2001		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
52625	1955	-11.801	136.802	X	X	X	X	X	-	-	X	-	-	-	-	-
53552	2931	-12.025	73.353	-	-	X	X	X	-	-	X	-	-	-	-	-
56506	2932	-39.629	139.335	-	-	X	X	X	-	-	X	-	-	-	-	-
56511	1869	-22.25	67.565	-	X	X	X	X	-	-	X	-	-	-	-	-
56512	2933	-46.942	101.872	-	X	X	X	X	-	-	X	-	-	-	-	-
56513	2950	-18.16	105.464	X	X	X	X	X	-	-	X	-	-	-	-	-
56514	2935	-47.073	124.709	-	X	X	X	X	-	-	X	-	-	-	-	-
56515	2936	-48.82	144.874	-	X	X	X	X	-	-	X	-	-	-	-	-
56516	2938	-55.336	158.969	-	X	X	X	X	-	-	X	-	-	-	-	-
56535	2939	-38.023	79.513	-	X	X	X	X	-	-	X	-	-	-	-	-
74534	4871	-56.712	75.888	-	S	X	X	X	-	-	X	-	-	-	-	-

## NEW ZEALAND *Drifting Buoys*

WMO Buoy ID	ARGOS ID	Position: 1 June 2001		Observed or Technical Parameters												
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
22189	55572	37.9S	151.1W	-	X	X	-	X	-	-	X	-	-	-	-	-
21584	55580	41.9S	159.7E	-	X	X	-	X	-	-	X	-	-	-	-	-
21585	55581	40.0S	157.1E	-	X	X	-	X	-	-	X	-	-	-	-	-
21587	55579	37.5S	153.8E	-	X	X	-	X	-	-	X	-	-	-	-	-
8585	55588	38.1S	166.3E	-	X	X	-	X	-	-	X	-	-	-	-	-

## UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND *Moored Buoys*

WMO Buoy ID	ARGOS ID	Name of Station	Position: 3 July 2001		Observed or Technical Parameters												
			Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
62090***	30760	Eirann/M1	53 08 N	11 12 W	X	X	X	X	X	X	-	-	-	X	-	X	X
62091***	30761	Eirann/M2	53 50 N	05 40 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

### *Drifting buoys*

WMO Buoy ID	ARGOS ID	Name of Station	Position: 3 July 2001		Observed or Technical Parameters												
			Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13
33543	25815	South Atlantic	23 07S	06 26W	-	-	X	X	X	-	-	X	-	-	-	X	-

### *Island System*

WMO Buoy ID	ARGOS ID	Name of Station	Position: 3 July 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: 3 July 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: 3 July 2001		Observed or Technical Parameters													
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	
44610	12734	59.500	-18.031	-	-	X	X	X	-	-	X	-	-	-	-	-	-
62501	7139	38.700	-19.395	X	-	X	X	X	-	-	X	-	-	-	-	-	-
62503	17926	35.700	-15.930	-	-	X	X	X	-	-	X	-	-	-	-	-	-
62504	17928	40.100	-23.473	X	-	X	X	X	-	-	X	-	-	-	-	-	-
62505	17929	36.200	-12.956	-	-	X	X	X	-	-	-	-	-	-	-	-	-
62510	26748	42.000	-19.407	-	-	X	X	X	-	-	X	-	-	-	-	-	-
62511	26751	37.900	-22.748	-	-	X	X	X	-	-	X	-	-	-	-	-	-
62514	7119	58.900	-10.352	-	-	X	X	X	-	-	-	-	-	-	-	-	-

**GERMANY**

**Drifting buoys - North Atlantic**

WMO Buoy ID	ARGOS ID	Position: 3 July 2001		Observed or Technical Parameters													
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	
65601	3039	63.960	-32.010	-	X	-	-	X	-	-	-	-	-	-	-	-	-
65662	9307	59.406	-36.120	-	X	X	X	X	-	-	-	-	-	-	-	-	-
65663	9308	53.197	-36.030	-	X	X	X	X	-	-	-	-	-	-	-	-	-

**IRELAND**

**Drifting buoys - North Atlantic**

WMO Buoy ID	ARGOS ID	Position: 3 July 2001		Observed or Technical Parameters													
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	
65581	6666	58.518	-39.990	-	X	X	X	X	-	-	-	-	-	-	-	-	-
65602	6667	60.270	-25.270	-	X	X	X	X	-	-	-	-	-	-	-	-	-

**THE NETHERLANDS**

**Drifting buoys - North Atlantic**

WMO Buoy ID	ARGOS ID	Position: 3 July 2001		Observed or Technical Parameters													
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	
62596	16391	63.100	-33.216	-	-	X	X	X	-	-	-	-	-	-	-	-	-
65595	4229	56.000	-40.749	-	X	X	X	X	-	-	-	-	-	-	-	-	-

**NORWAY**

**Drifting buoys - North Atlantic**

WMO Buoy ID	ARGOS ID	Position: 3 July 2001		Observed or Technical Parameters													
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	
65516	3677	60.200	-36.969	-	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: 3 July 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	21270	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 K7 buoy stopped transmitting all data on the 27th October 2000
- \*\*\* The Eirann/M1 and M2 Buoys were built by the Met Office but are owned and run by Met Eirann. Apart from ownership it is, however, identical to all the other moored buoys listed here.
- # The K3 buoy is no longer on station after having its mooring cut earlier this year.

**Drifting buoys - North Atlantic**

WMO Buoy ID	ARGOS ID	Position: 3 July 2001		Observed or Technical Parameters													
		Latitude	Longitude	1	2	3	4	5	6	7	8	9	10	11	12	13	
44611	27616	43.900	-4.542	-	-	X	X	X	-	-	-	-	-	-	-	-	-
44612	27619	37.200	-24.845	-	-	X	X	X	-	-	-	-	-	-	-	-	-
44613	28467	36.100	-20.657	-	X	X	X	-	-	-	-	-	-	-	-	-	-
44614	17147	39.800	-33.444	-	-	-	X	X	-	-	X	-	-	-	-	-	-
44616	17149	42.200	-49.633	-	-	X	X	X	-	-	X	-	-	-	-	-	-
44620	27622	26.200	-40.692	-	-	X	X	X	-	-	-	-	-	-	-	-	-
44621	17150	55.300	-45.902	-	-	X	X	X	-	-	X	-	-	-	-	-	-
44623	27624	35.900	-21.589	-	-	X	X	X	-	-	-	-	-	-	-	-	-
44624	17151	43.300	-41.069	-	-	X	X	-	-	-	X	-	-	-	-	-	-
44625	17153	46.000	-52.412	-	-	X	X	X	-	-	X	-	-	-	-	-	-
44629	18388	43.000	-34.451	-	-	X	X	X	-	-	X	-	-	-	-	-	-
44721	18702	39.300	-37.007	-	-	X	X	X	-	-	X	-	-	-	-	-	-
44722	18706	39.100	-33.107	-	-	X	X	X	-	-	X	-	-	-	-	-	-
44724	27922	32.900	-17.833	-	-	-	X	-	-	-	X	-	-	-	-	-	-
44725	27923	52.100	-42.959	-	-	X	X	X	-	-	X	-	-	-	-	-	-
44729	25375	45.600	-9.700	-	-	X	X	X	-	-	-	-	-	-	-	-	-
44761	27615	52.200	-19.757	-	-	X	X	X	-	-	-	-	-	-	-	-	-
44762	19073	45.700	-6.483	-	-	X	X	X	-	-	-	-	-	-	-	-	-
44765	28466	37.800	-32.955	-	X	X	X	-	-	-	-	-	-	-	-	-	-
44770	21627	57.300	-12.917	-	-	X	X	X	-	-	-	-	-	-	-	-	-
44771	25377	56.400	-33.159	-	-	X	X	X	-	-	-	-	-	-	-	-	-
44774	12286	47.700	-16.774	-	X	X	X	X	-	-	-	-	-	-	-	-	-
44775	25372	37.800	-44.979	-	-	X	X	X	-	-	X	-	-	-	-	-	-
44776	25371	49.300	-32.715	-	-	X	X	X	-	-	X	-	-	-	-	-	-
44778	25370	44.800	-31.272	-	-	X	X	X	-	-	-	-	-	-	-	-	-
65603	27618	61.500	-28.676	-	-	-	-	X	-	-	-	-	-	-	-	-	-

## ARGOS SERVICE ARGOS monthly status report

Date of Statistics computation: 2 May 2001

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

DRIFTING BUOY	1236
MARINE STATION	140
MOORED BUOY	309
TERRESTRIAL ANIMALS	151
MARINE ANIMALS	224
BIRDS	298
BALLOONS	6
RAFOS FLOATS	65
FIXED STATION	640
<b>TOTAL</b>	<b>3069</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	164
FIXED STATION	25
MOORED BUOYS	13

### INSERTED BY RTH/WMC WASHINGTON

DRIFTING BUOY	578
FIXED STATIONS	31
GPS MOBILE	-
MOORED BUOY	69

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

BATHY	299
BUOY	391033
SHIP	2245
SIMPLE	25
STD	1101
SYNOP	35152
TESAC	32
<b>TOTAL</b>	<b>429887</b>

Date of Statistics computation: 1 April 2001

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

DRIFTING BUOY	1187
MARINE STATION	141
MOORED BUOY	298
TERRESTRIAL ANIMALS	143
MARINE ANIMALS	221
BIRDS	310
BALLOONS	6
RAFOS FLOATS	45
FIXED STATION	609
<b>TOTAL</b>	<b>2960</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	153
FIXED STATION	24
MOORED BUOYS	13

### INSERTED BY RTH/WMC WASHINGTON

DRIFTING BUOY	553
FIXED STATIONS	30
GPS MOBILE	-
MOORED BUOY	61

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

BATHY	420
BUOY	511527
SHIP	2112
SIMPLE	10
STD	914
SYNOP	39024
TESAC	52
<b>TOTAL</b>	<b>554059</b>

### 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*".



GUIDELINES FOR COMPLETING THE FEEDBACK FORMS

**1. Index Number:**

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

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

**2. Station Name:**

Name of the station.

**3. Position:**

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

**4. Bulletin Identification:**

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

**5. Surface Observations:**

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

**6. Elevation:**

HP

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

H/HA

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

HA = Official altitude of the aerodrome given for stations located on aerodromes is indicated by the letter "A" in the column "Other observations and Remarks" of Volume A;

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

**7. Upper-air Observations:**

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

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

appropriate letters are placed below the standard time. In cases where it does not fall within the standard time, the official observation time should be stated.

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

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

**Table 1**

**8. Pressure Level**

For those stations not indicating pressure reduced to mean sea level (group 4PPPP) in their synoptic reports, the entry in this column shows which information is reported in lieu of group 4PPPP:

Station	Pressure at station level reported using group 3P <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 4a <sub>3</sub> hhh
850 hPa )	
700 hPa )	
500 hPa )	

**9. Remarks**

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

**10. CLIMAT:**

Indicate whether the station is used to generate CLIMAT messages.

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

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

**11. GUAN (GCOS):**

Indicate whether the station is a station of the Global Climate Observing Upper-air Network (GUAN).

Y = Yes; N = No

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

Indicate how the geopotential height calculation will be done:

AUTO = automated; MAN = Manual

**13. Radiation Correction**

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

Y=Yes; N = No

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

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

**Table 2**

**14. Ground Equipment Type**

Type of ground equipment in use at the station

**15. Radio Frequency:**

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

**16. Radiosonde (see table 3)**

**Regular:** Type of radiosonde regularly used.

**Alternative:** Alternative type of radiosonde used.

**RADIOSONDE TYPES**

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

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

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

**Table 3**

**17. Windfinding**

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

**Equipment:** Windfinding equipment in use at station.

**18. Remarks:**

Any other information pertaining to the station..

These tables should be sent to:

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



**FEEDBACK FORM**

For Publication No. 9, Volume A "Observing Stations" and Volume C1 "Catalogue of Meteorological Bulletins"  
 (For upper-air stations **ALSO** complete the form at the back of this page)

Country: \_\_\_\_\_

Type of Exchange (delete as appropriate):

Global / Regional

Type of Station (delete as appropriate):

SYNOP / TEMP / PILOT

Date: \_\_\_\_\_

1	2	3		4		5								6		7				8	9				
Index Number	Station Name:	Position		Bulletin Identification		Surface Observations								Elevation		Upper-Air				Pressure Level	Remarks:				
		Latitude	Longitude	TTAAii	CCCC	00	03	06	09	12	15	18	21	HP	H/HA	00	06	12	18						

**FEEDBACK FORM**

*Catalogue of Radiosondes and Upper-air Windfinding Systems*

(This form should **only** be completed for Upper-Air stations)

1	10	11	12	13		14	15	16		17		18
Index Number	CLIMAT (CT/T)	GUAN (GCOS) Y=Yes/N=No	Geo Ht Calc Auto/Man	Radiation Correction		Ground Equipment	Radio Frequency (MHz)	Radiosonde		Windfinding		Remarks
				Y=Yes/N=No	Type			Regular	Alternative	Equipment	System/Method	

## II. CODES

### 1. MANUAL ON CODES

Volume I.2, Part C, Common Features to Binary and Alphanumeric Codes

The following additional or modified entries in Common Code Tables have been approved by the President of CBS for immediate use:

#### Common Code Table C-1: Originating Centres

Code figure	Centre
061	Service ARGOS - Landover
084	Toulouse (RSMC)
214	Madrid
215	Zürich
216	Service ARGOS -Toulouse

#### Common Code Table C-2: Radiosonde system

*(At the request of the CIMO Working Group on Ground Based Upper-air Observing Systems, in view of new equipment being used by Meteorological Services, some new entries are requested for new sondes and at the same time the name of some sondes are modified for clarification.)*

##### New entries:

54	GRAW DFM-97 (Germany)
66	Vaisala RS80 /Autosonde (Finland)
67	Vaisala RS80/Digicora III (Finland)
78	Vaisala RS90/Digicora III (Finland)
82	SIPPICAN MK2 GPS/STAR (USA)
83	SIPPICAN MK2 GPS/W9000 (USA)

##### Changes to wording of existing entries:

61	Vaisala RS80/Digicora or Marwin (Finland)	to	61	Vaisala RS80/Loran/Digicora I,II or Marwin (Finland)
71	RS90/Digicora or Marwin (Finland)	to	71	Vaisala RS90/Loran/Digicora I,II or Marwin (Finland)
72	RS90/PC-CORA (Finland)	to	72	Vaisala RS90/PC-CORA (Finland)
73	RS90/Autosonde (Finland)	to	73	Vaisala RS90/Autosonde (Finland)
74	RS90/Star (Finland)	to	74	Vaisala RS90/Star (Finland)

#### Common Code Table C-5: Satellite identifier:

##### Modify entry:

171	MTSAT-1	to	171	MTSAT-1R
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#### Common Code Table C-8: Satellite Instruments:

##### Delete entry 206.

##### Add:

207	EUMETSAT	Radiometer	SEVIRI Spinning Enhanced Visible and Infrared Imager
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### III. GLOBAL TELECOMMUNICATION SYSTEM

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#### 1. ADDITIONAL DATA AND PRODUCTS

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

WMO Policy and practice for the exchange of meteorological and related data and products, including guidelines on relationships

The complete updated list of Additional Data and Products is attached at the end of this Newsletter.

Circular letters to all WMO Members will be dispatched in April and October of each year to inform on updates or other changes.