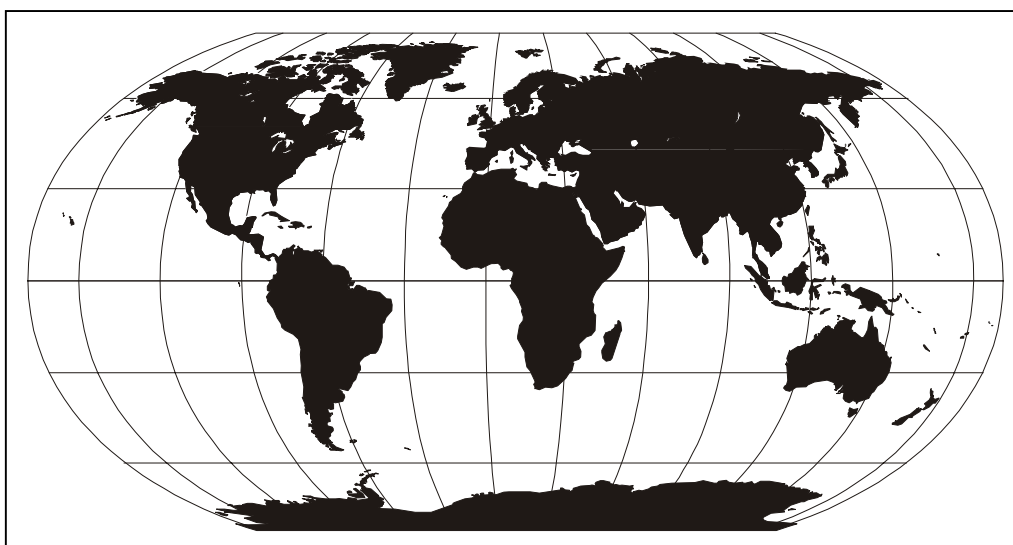




OPERATIONAL NEWSLETTER

World Weather Watch and Marine Meteorological Services



WORLD METEOROLOGICAL ORGANIZATION
GENEVA
SWITZERLAND

No. 11/12- 2000
(November/December 2000)

... *inside this issue*

CONTENTS

| | <i>PAGE</i> |
|--|-------------|
| Editorial | 3 |
| Forthcoming Meetings | 4 |
| | |
| I. Global Observing System | 5 |
| <hr/> | |
| 1. Automatic Marine Stations..... | 5 |
| 2. Feed-back from Members to the Secretariat on any changes in the Observing Network | 13 |
| 3. <i>Explanatory Notes</i> | 14 |
| <i>Feedback Form</i> | 15 |
| | |
| II. Codes | 16 |
| <hr/> | |
| 1. Reminder for Passage to Year 2001 | 16 |
| 2. Manual on Codes, Volume II, WMO No. 306 | 16 |

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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Internet:

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For access via http:

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

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MEETINGS SCHEDULED - 2001

*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 |
|--|------------------------------|---|
| 24-27.I.2001 | Geneva, WMO Secretariat | CBS Advisory Working Group - Twenty-fourth session |
| 12-16.III.2001 | 2001 Geneva, WMO Secretariat | Implementation Coordination Meeting on the MTN |
| 19-23.III.2001 | Cairo, Egypt | RA I Working Group on Planning and Implementation of the World Weather Watch |
| 23-28.III. (a.m.) 2001 | Caracas, Venezuela | RA IV Hurricane Committee - Twenty-third session |
| March 2001 (Date to be decided) | (place to be decided) | WMO/ESCAP Panel on Tropical Cyclones - Twenty-eighth session |
| 23.IV.-5.V.2001 | Miami, FL, USA | Workshop on Hurricane Forecasting and Warning, and Public Weather Services |
| April 2001 (Date to be decided) | (place to be decided) | Implementation Coordination Meeting on the GTS in RA VI (Eastern part) |
| 3-8.V.2001 | Geneva, WMO Secretariat | CBS Steering Group on Radio Frequency Coordination |
| 21-25.V.2001 | Geneva, WMO Secretariat | RA VI Working Group on Planning and Implementation of the World Weather Watch |
| 19-29.VI.2001 | Akureyri, Iceland | Joint WMO/IOC Technical Commission for Oceanography and Marine Meteorology - First session |
| September 2001 (Date to be decided) | (place to be decided) | Regional Implementation Coordination Meeting on GDPS in RA I |
| September 2001 (Date to be decided) | (place to be decided) | International Expert Workshop on Advances in the Use of Historical Marine Data (<i>co-sponsored by WMO</i>) |

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: 5 December 2000 | Observed or Technical Parameters | | | | | | | | | | | | |
|-------------|----------|---------------------------|----------------------------------|---|---|---|---|---|---|---|-----|----|----|----|----|
| | | Latitude / Longitude | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 46004 | 5324 | 50 55' N 136 05' W | X | X | X | X | X | X | X | X | N/A | - | - | - | - |
| 46036 | 7181 | 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 | 7187 | 49 44' N 127 56' W | S | S | S | S | S | S | S | S | N/A | - | - | - | - |
| 46145 | 7194 | 54 23' N 132 27' 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 | 7197 | 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 | 4484 | 53 37' N 131 07' W | X | X | X | X | X | X | X | X | N/A | - | - | - | - |
| 46184 | 7195 | 53 56' N 138 53' W | X | X | X | X | X | X | X | X | N/A | - | - | - | - |
| 46185 | 7193 | 52 25' N 129 47' W | + | + | + | + | + | + | + | + | N/A | - | - | - | - |
| 46204 | 7184 | 51 22' N 128 45' W | S | S | S | S | S | S | S | S | N/A | - | - | - | - |
| 46205 | 7185 | 54 10' N 134 17' W | X | X | X | X | X | X | X | X | N/A | - | - | - | - |
| 46206 | 8678 | 48 50' N 126 00' W | X | X | X | X | X | X | X | X | N/A | - | - | - | - |
| 46207 | 7186 | 50 53' N 129 55' W | X | X | X | X | X | X | X | X | N/A | - | - | - | - |
| 46208 | 4485 | 52 31' N 132 42' W | X | X | X | X | X | X | X | X | N/A | - | - | - | - |

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

Moored Buoys - North-west Atlantic Ocean

| WMO Buoy ID | ARGOS ID | Position: 5 December 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 | X | X | X | X | X | X | X | X | N/A | - | - | - | - | - |
| 44138 | 5577 | 44 16' N 053 37' W | X | S | X | X | X | X | X | X | N/A | - | - | - | - | - |
| 44139 | 3448 | 44 16' N 057 23' W | X | X | X | X | X | X | X | X | N/A | - | - | - | - | - |
| 44140 | 5576 | 43 51' N 052 15' W | + | + | + | + | + | + | + | + | N/A | - | - | - | - | - |
| 44141 | 3449 | 42 06' N 056 13' W | X | X | X | X | X | X | X | X | N/A | - | - | - | - | - |
| 44142 | 5578 | 42 30' N 064 01' W | S | S | S | S | S | S | S | S | N/A | - | - | - | - | - |
| 44251 | 9234 | 46 26' N 053 23' W | X | X | X | X | X | X | X | X | N/A | - | - | - | - | - |
| 44255 | 9233 | 47 17' N 057 21' W | X | X | X | X | X | X | S | S | N/A | - | - | - | - | - |
| 44258 | 9232 | 44 30' N 063 24' W | X | X | X | X | X | X | X | X | N/A | - | - | - | - | - |

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

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

| WMO Buoy ID | ARGOS ID | Position: 5 December 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 | + | + | + | + | + | + | + | + | N/A | - | - | - | - | - |
| 45135 | N/A | 43 47' N 076 52' W | X | X | X | X | X | X | X | X | N/A | - | - | - | - | - |
| 45136 | N/A | 48 32' N 086 57' W | + | + | + | + | + | + | + | + | N/A | - | - | - | - | - |
| 45137 | N/A | 45 33' N 081 01' W | + | + | + | + | + | + | + | + | N/A | - | - | - | - | - |
| 45138 | 3436 | 49 33' N 065 46' W | + | + | + | + | + | + | + | + | N/A | - | - | - | - | - |
| 45139 | N/A | 43 26' N 079 23' W | S | S | S | S | S | S | S | S | N/A | - | - | - | - | - |
| 45140 | N/A | 50 47' N 096 44' W | + | + | + | + | + | + | + | + | N/A | - | - | - | - | - |
| 45141 | N/A | 61 11' N 115 19' W | + | + | + | + | + | + | + | + | N/A | - | - | - | - | - |
| 45142 | N/A | 42 44' N 079 17' W | + | + | + | + | + | + | + | + | N/A | - | - | - | - | - |
| 45143 | N/A | 44 55' N 080 38' W | + | + | + | + | + | + | + | + | N/A | - | - | - | - | - |
| 45144 | 8671 | 53 12' N 098 50' W | S | S | S | S | S | S | + | + | N/A | - | - | - | - | - |
| 45145 | N/A | 51 27' N 096 42' W | + | + | + | + | + | + | + | + | N/A | - | - | - | - | - |
| 45147 | N/A | 42 26' N 082 41' W | + | + | + | + | + | + | + | + | N/A | - | - | - | - | - |
| 45148 | N/A | 49 42' N 094 31' W | + | + | + | + | + | + | + | + | N/A | - | - | - | - | - |
| 45149 | N/A | 43 32' N 081 58' W | + | + | + | + | + | + | + | + | N/A | - | - | - | - | - |
| 45150 | 3439 | 61 55' N 113 51' W | + | + | + | + | + | + | + | + | N/A | - | - | - | - | - |
| 45151 | N/A | 44 30' N 079 22' W | + | + | + | + | + | + | + | + | N/A | - | - | - | - | - |
| 45152 | N/A | 46 14' N 079 43' W | + | + | + | + | + | + | + | + | N/A | - | - | - | - | - |
| 45154 | N/A | 46 03' N 082 38' W | + | + | + | + | + | + | + | + | N/A | - | - | - | - | - |

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

Drifting Buoys - Pacific Ocean

| WMO Buoy ID | ARGOS ID | Position: 1 December 2000 | Observed or Technical Parameters | | | | | | | | | | | | |
|-------------|----------|---------------------------|----------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|
| | | Latitude / Longitude | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 46657 | 12511 | 52 00' N 148 12' W | X | X | X | X | X | + | + | X | - | - | - | - | - |
| 46660 | 12514 | 47 42' N 140 24' W | X | X | X | X | X | + | + | X | - | - | - | - | - |
| 46661 | 12521 | 28 42' N 140 54' W | X | S | X | X | X | + | + | X | - | - | - | - | - |
| 46701 | 12510 | 48 00' N 127 00' W | X | X | X | X | X | + | + | X | - | - | - | - | - |
| 46710 | 12516 | 39 48' N 143 36' 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.
 44138 - Air Temperature Questionable. Transmitting via Argos.
 44139 - Buoy deployed Apr 19/00.
 44140 - Buoy adrift Jul 18/00. Recovered Aug 20/00.
 44141 - Buoy serviced Oct 24/00.
 44251 - Buoy transmitting weather messages using Argos.
 44255 - Buoy svcd Jul 13/00. Waves u/s on deployment. Wv data suppressed Dec 5/00.
 44258 - Buoy deployed Feb 18/00.
 45132 - Buoy removed for the winter Nov 23/00.
 45135 - Buoy redeployed Apr 26/00.
 45136 - Buoy removed for the winter Nov 30/00.
 45137 - Buoy removed for the winter Nov 27/00.
 45138 - Buoy removed for the winter Nov 08/00.
 45140 - Buoy removed for the winter Oct 01/00.
 45141 - Buoy removed for the winter Oct 22/00.
 45142 - Buoy removed for the winter Nov 19/00
 45143 - Buoy removed for the winter Nov 24/00
 45145 - Buoy removed for the winter Oct 31/00.
 45147 - Buoy removed for the winter Nov 24/00
 45148 - Buoy removed for the winter Oct 29/00.
 45149 - Buoy removed for the winter Nov 08/00.
 45150 - Buoy removed for the winter Oct 15/00.
 45151 - Buoy removed for the winter Oct 19/00.
 45152 - Buoy removed Oct 17/00.
 45154 - Buoy removed for the winter Nov 15/00.
 46004 - Buoy adrift Sep 16/00. Recovered Sep 17. Re-deployed Oct 25/00.
 46036 - Buoy serviced Apr 24/00.

46145 - Buoy serviced Jul 11/00
 46147 - Buoy serviced Jun 14/00.
 46183 - Buoy serviced Jul 9/00.
 46184 - Buoy serviced Apr 28/00. Wind #2 u/s July 4/00
 46205 - Buoy serviced Jul 10/00.
 46206 - Buoy serv. Apr 20. Transmitter u/s Apr 26/11Z. Buoy serv. May 1/15Z.
 46207 - Buoy Serviced Jul 25/00
 46208 - Buoy serviced Jun 13/00.
 46657 - Drifter deployed Jul 18/00.
 46660 - Drifter deployed Mar 7/00.
 46661 - Air temp. failed Sep/98.
 46701 - Drifter deployed Nov 18/99.
 46710 - Drifter deployed Jan 7/00.

Failed:

44142 - Transmitting Data Buffer Empty messages since Oct 21/00.
 45139 - Payload failed Nov 17/00.
 45144 - Failed in early Nov/00. Buoy stuck in ice, unable to remove.
 46132 - Transmitting Data Buffer Empty messages since Nov 27/00.
 46185 - Badly damaged Oct 19/00. Removed Oct 28/00.
 46204 - Transmitter failed Nov 4/00.

NEW ZEALAND

Drifting Buoys

| WMO Buoy ID | ARGOS ID | Position: 1 December 2000 | | Observed or Technical Parameters | | | | | | | | | | | | |
|-------------|----------|---------------------------|-----------|----------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|
| | | Latitude | Longitude | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 7176 | 55586 | 20.4S | 150.6E | - | S | X | - | S | - | - | X | - | - | - | - | - |
| 22188 | 55577 | 27.3S | 167.3E | - | X | S | - | X | - | - | X | - | - | - | - | - |
| 22189 | 55572 | 41.5S | 167.3W | - | X | X | - | X | - | - | X | - | - | - | - | - |
| 21584 | 55580 | 43.2S | 153.1E | - | X | X | - | X | - | - | X | - | - | - | - | - |
| 21587 | 55579 | 37.6S | 167.8E | - | X | X | - | X | - | - | X | - | - | - | - | - |
| 8585 | 55588 | 34.3S | 162.3E | - | X | X | - | X | - | - | X | - | - | - | - | - |

UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

Moored Buoys

| WMO Buoy ID | ARGOS ID | Name of Station | Position: 7 December 2000 | | Observed or Technical Parameters | | | | | | | | | | | | |
|-------------|----------|-----------------|---------------------------|-----------|----------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|
| | | | Latitude | Longitude | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 62090* | 15831 | Eirann/M1 | 53 08 N | 11 12 W | X | X | X | X | X | X | - | - | - | X | - | X | X |
| 62101 | None | Lyme Bay | 50 37 N | 02 44 W | X | X | X | X | X | X | - | - | - | X | - | X | X |
| 62301 | None | Aberporth | 52 17 N | 04 30 W | X | X | X | X | X | X | - | - | - | X | - | X | X |
| 62303 | 6264 | Turbot Bank | 51 36 N | 05 09 W | X | X | X | X | X | X | - | - | - | X | - | X | X |

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

Drifting Buoys

| WMO Buoy ID | ARGOS ID | Name of Station | Position: 7 December 2000 | | Observed or Technical Parameters | | | | | | | | | | | | |
|-------------|----------|-----------------|---------------------------|-----------|----------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|
| | | | Latitude | Longitude | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 33543 | 25815 | South Atlantic | 29 51 S | 3 49 E | - | - | X | X | X | - | - | X | - | - | - | X | - |

Island System

| WMO Buoy ID | ARGOS ID | Name of Station | Position: 7 December 2000 | | 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: 7 December 2000 | | 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: 8 December 2000 | | Observed or Technical Parameters | | | | | | | | | | | | |
|-------------|----------|---------------------------|-----------|----------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|
| | | Latitude | Longitude | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 44608 | 14540 | 25.900 | -30.586 | - | - | X | X | X | - | - | - | - | - | - | - | - |
| 44610 | 12734 | 49.600 | -25.506 | - | - | X | X | X | - | - | X | - | - | - | - | - |
| 62506 | 12733 | 34.800 | -33.110 | X | - | - | - | X | - | - | X | - | - | - | - | - |
| 62507 | 10111 | 36.100 | -22.668 | - | X | X | X | X | - | - | - | - | - | - | - | - |
| 62508 | 5822 | 35.000 | -14.611 | X | X | X | X | X | - | - | - | - | - | - | - | - |
| 62509 | 14537 | 43.900 | -4.198 | - | - | X | X | X | - | - | X | - | - | - | - | - |
| 62512 | 12730 | 41.200 | -18.598 | - | - | X | X | X | - | - | X | - | - | - | - | - |
| 62513 | 12731 | 45.200 | -23.420 | - | - | X | X | X | - | - | X | - | - | - | - | - |
| 62514 | 7119 | 53.400 | -18.438 | - | - | X | X | X | - | - | X | - | - | - | - | - |
| 62516 | 7445 | 44.500 | -21.928 | - | - | X | X | X | - | - | X | - | - | - | - | - |
| 62517 | 18674 | 37.100 | -19.046 | - | - | X | X | X | - | - | - | - | - | - | - | - |
| 62519 | 18693 | 43.900 | -15.455 | - | - | X | X | X | - | - | - | - | - | - | - | - |
| 62520 | 14431 | 32.800 | -25.323 | - | X | X | X | X | - | - | - | - | - | - | - | - |
| 64517 | 14178 | 56.500 | -16.495 | - | - | X | X | X | - | - | - | - | - | - | - | - |
| 64698 | 29867 | 58.900 | -29.898 | - | - | X | X | X | - | - | - | - | - | - | - | - |
| 64699 | 29868 | 56.300 | -49.555 | - | - | X | X | X | - | - | - | - | - | - | - | - |

GERMANY

Drifting buoys - North Atlantic

| WMO Buoy ID | ARGOS ID | Position: 8 December 2000 | | Observed or Technical Parameters | | | | | | | | | | | | |
|-------------|----------|---------------------------|-----------|----------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|
| | | Latitude | Longitude | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 65601 | 3039 | 58.847 | -22.590 | - | X | X | X | X | - | - | - | - | - | - | - | - |
| 65662 | 9307 | 58.945 | -36.390 | - | X | X | X | X | - | - | - | - | - | - | - | - |
| 65663 | 9308 | 57.218 | -39.920 | - | X | X | X | X | - | - | - | - | - | - | - | - |

IRELAND

Drifting buoys - North Atlantic

| WMO Buoy ID | ARGOS ID | Position: 8 December 2000 | | Observed or Technical Parameters | | | | | | | | | | | | |
|-------------|----------|---------------------------|-----------|----------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|
| | | Latitude | Longitude | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 64548 | 1153 | 58.633 | -10.600 | - | X | X | X | X | - | - | - | - | - | - | - | - |
| 65602 | 6667 | 56.876 | -28.950 | - | X | X | X | X | - | - | - | - | - | - | - | - |

THE NETHERLANDS
Drifting buoys - North Atlantic

| WMO Buoy ID | ARGOS ID | Position: 8 December 2000 | | Observed or Technical Parameters | | | | | | | | | | | | |
|-------------|----------|---------------------------|-----------|----------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|
| | | Latitude | Longitude | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 44723 | 16392 | 46.500 | -14.319 | - | - | X | X | - | - | - | - | - | - | - | - | - |
| 62596 | 16391 | 58.700 | -25.041 | - | - | X | X | X | - | - | - | - | - | - | - | - |
| 65593 | 4228 | 61.300 | -29.570 | - | X | X | X | X | - | - | - | - | - | - | - | - |

NORWAY
Drifting buoys - North Atlantic

| WMO Buoy ID | ARGOS ID | Position: 8 December 2000 | | Observed or Technical Parameters | | | | | | | | | | | | |
|-------------|----------|---------------------------|-----------|----------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|
| | | Latitude | Longitude | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 64546 | 3675 | 49.500 | -6.291 | - | X | - | - | X | - | - | - | - | - | - | - | - |
| 65600 | 3676 | 57.900 | -10.981 | - | 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: 7 December 2000 | | 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 | 21274 | K17 | 55 25 N | 01 10 E | X | X | X | X | X | X | - | - | - | X | - | X | X |
| 62029 | 4007 | K1 | 48 42 N | 12 25 W | X | X | X | X | X | X | - | - | - | X | - | X | X |
| 62081 | 22572 | K2 | 51 00 N | 13 21 W | X | X | X | X | X | X | - | - | - | X | - | X | X |
| 62105 | 15826 | K4 | 55 00 N | 12 38 W | X | X | X | X | X | X | - | - | - | X | - | X | X |
| 62106 | 3731 | RARH | 57 00 N | 09 54 W | X | X | X | X | X | X | - | - | - | X | - | X | X |
| 62108 | 21272 | K3 | 53 31N | 19 30W | X | X | X | X | X | X | - | - | - | X | - | X | X |
| 62109 | 6261 | K16 | 57 00 N | 00 00 E | X | X | X | X | X | X | - | - | - | X | - | X | X |
| 62163 * | 15829 | Brittany | 47 33 N | 08 28 W | X | X | X | X | X | X | - | - | - | X | - | X | X |
| 64045 | 22571 | K5 | 59 05 N | 11 25 W | X | X | X | X | X | X | - | - | - | X | - | X | X |
| 64046** | 3718 | K7 | 60 40 N | 04 30 W | X | X | X | X | X | X | - | - | - | X | - | X | X |

* Gascogne and Brittany buoys are operated by The Met. Office and Meteo-France. The Brittany buoy went adrift on the 10th October 2000 and is currently ashore in Brest awaiting the availability of a vessel suitable for depoloying this buoy and the weather conditions that would make this operation possible.

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

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

| WMO Buoy ID | ARGOS ID | Position: 8 December 2000 | | Observed or Technical Parameters | | | | | | | | | | | | |
|-------------|----------|---------------------------|-----------|----------------------------------|---|---|---|---|---|---|---|---|----|----|----|----|
| | | Latitude | Longitude | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 44611 | 27616 | 43.100 | -11.702 | - | - | X | X | X | - | - | - | - | - | - | - | - |
| 44612 | 27619 | 37.200 | -39.069 | - | - | X | X | X | - | - | - | - | - | - | - | - |
| 44613 | 28467 | 31.600 | -51.871 | - | X | X | X | - | - | - | - | - | - | - | - | - |

| | | | | | | | | | | | | | | | | |
|-------|-------|--------|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 44617 | 27621 | 47.500 | -3.621 | - | - | X | X | X | - | - | - | - | - | - | - | - |
| 44620 | 27622 | 31.700 | -43.411 | - | - | X | X | X | - | - | X | - | - | - | - | - |
| 44622 | 27623 | 53.700 | -16.437 | - | - | X | X | X | - | - | - | - | - | - | - | - |
| 44623 | 27624 | 35.900 | -30.227 | - | - | X | X | X | - | - | X | - | - | - | - | - |
| 44626 | 12284 | 38.200 | -8.938 | - | X | X | X | X | - | - | - | - | - | - | - | - |
| 44628 | 12287 | 36.000 | -28.346 | - | X | X | X | X | - | - | - | - | - | - | - | - |
| 44724 | 27922 | 36.800 | -24.546 | - | - | X | X | X | - | - | X | - | - | - | - | - |
| 44725 | 27923 | 49.100 | -43.646 | - | - | X | X | X | - | - | - | - | - | - | - | - |
| 44726 | 27924 | 34.200 | -57.608 | - | - | X | X | X | - | - | X | - | - | - | - | - |
| 44727 | 27925 | 30.100 | -37.129 | - | - | X | X | - | - | - | - | - | - | - | - | - |
| 44729 | 25375 | 46.600 | -22.163 | - | - | X | X | X | - | - | X | - | - | - | - | - |
| 44730 | 25378 | 53.600 | -10.166 | - | - | X | X | X | - | - | - | - | - | - | - | - |
| 44741 | 25373 | 59.500 | -34.514 | - | - | X | X | X | - | - | - | - | - | - | - | - |
| 44743 | 12414 | 45.800 | -6.684 | X | X | X | X | X | - | - | - | - | - | - | - | - |
| 44761 | 27615 | 50.600 | -31.772 | - | - | X | X | X | - | - | - | - | - | - | - | - |
| 44762 | 19073 | 44.300 | -15.710 | - | - | X | X | X | - | - | - | - | - | - | - | - |
| 44765 | 28466 | 34.900 | -53.180 | - | X | X | X | - | - | - | - | - | - | - | - | - |
| 44767 | 21580 | 52.900 | -40.351 | - | - | X | X | X | - | - | X | - | - | - | - | - |
| 44770 | 21627 | 50.000 | -25.026 | - | - | X | X | X | - | - | - | - | - | - | - | - |
| 44771 | 25377 | 53.600 | -36.411 | - | - | X | X | X | - | - | X | - | - | - | - | - |
| 44772 | 12412 | 44.700 | -14.501 | X | X | X | X | X | - | - | - | - | - | - | - | - |
| 44774 | 12286 | 47.100 | -36.865 | - | X | X | X | X | - | - | - | - | - | - | - | - |
| 44775 | 25372 | 40.400 | -59.952 | - | - | X | X | X | - | - | X | - | - | - | - | - |
| 44776 | 25371 | 41.300 | -49.858 | - | - | X | X | X | - | - | X | - | - | - | - | - |
| 44778 | 25370 | 39.800 | -50.338 | - | - | X | X | X | - | - | X | - | - | - | - | - |
| 65599 | 28477 | 59.500 | -22.208 | - | - | X | X | X | - | - | - | - | - | - | - | - |
| 65603 | 27618 | 58.400 | -33.129 | - | - | - | - | X | - | - | - | - | - | - | - | - |

ARGOS SERVICE

ARGOS monthly status report

Date of Statistics computation: 1 November 2000

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

| | |
|---------------------|-------------|
| DRIFTING BUOY | 1285 |
| MARINE STATION | 140 |
| MOORED BUOY | 302 |
| TERRESTRIAL ANIMALS | 137 |
| MARINE ANIMALS | 204 |
| BIRDS | 241 |
| BALLOONS | 4 |
| RAFOS FLOATS | 28 |
| FIXED STATION | 613 |
| TOTAL | 2954 |

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 | 152 |
| FIXED STATION | 26 |
| MOORED BUOYS | 9 |

INSERTED BY RTH/WMC WASHINGTON

| | |
|----------------|-----|
| DRIFTING BUOY | 622 |
| FIXED STATIONS | 30 |
| GPS MOBILE | 1 |
| MOORED BUOY | 66 |

CODING STATISTICS OF PLATFORMS

Reporting through ARGOS and distributed over the GTS

| | |
|--------------|---------------|
| BATHY | 442 |
| BUOY | 343072 |
| SHIP | 3783 |
| SIMPLE | 64 |
| STD | 1162 |
| SYNOP | 39778 |
| TESAC | 244 |
| TOTAL | 388545 |

Date of Statistics computation: 2 October 2000

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

| | |
|---------------------|-------------|
| DRIFTING BUOY | 1282 |
| MARINE STATION | 141 |
| MOORED BUOY | 298 |
| TERRESTRIAL ANIMALS | 146 |
| MARINE ANIMALS | 213 |
| BIRDS | 234 |
| BALLOONS | 11 |
| RAFOS FLOATS | 28 |
| FIXED STATION | 648 |
| TOTAL | 3001 |

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 | 157 |
| FIXED STATION | 25 |
| MOORED BUOYS | 12 |

INSERTED BY RTH/WMC WASHINGTON

| | |
|----------------|-----|
| DRIFTING BUOY | 596 |
| FIXED STATIONS | 32 |
| GPS MOBILE | - |
| MOORED BUOY | 69 |

CODING STATISTICS OF PLATFORMS

Reporting through ARGOS and distributed over the GTS

| | |
|--------------|---------------|
| BATHY | 355 |
| BUOY | 328448 |
| SHIP | 2468 |
| SIMPLE | 29 |
| STD | 1844 |
| SYNOP | 35787 |
| TESAC | 136 |
| TOTAL | 369067 |

2. Feed-back from Members to the Secretariat on any Changes in the Observing Network

In view of the difficulties experienced in identifying non-implemented observing stations, implemented stations which are closed or suspended for a certain period, or stations making observations that do not reach their NMCs, a special table accompanied by explanatory notes is included in this Newsletter. The table will serve as feed-back from Members to the Secretariat on any changes of the present state of implementation of observing programmes of SYNOP, TEMP and PILOT reporting stations.

Members are urged to fill in the table attached as and when appropriate, and to return it to the Secretariat before the 20th of every other month, i.e. February, April, June, August, October, December, to enable changes to be included in the next "*Newsletter*".

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. REMINDER FOR PASSAGE TO YEAR 2001:

The attention of members is drawn to the following regulations in FM 92 GRIB and FM 94 BUFR:

IN FM 92 GRIB, under Section 1 - Product Definition Section:

Note (6): To specify year 2000, octet 13 of the section (year of the century) shall contain a value equal to 100 and octet 25 of the section (century of reference time data) shall contain a value equal to 20. to specify year 2001. Octet 13 of the section shall contain a value equal to 1 and octet 25 of the section shall contain a value equal to 21 (by international convention, the date of 1 January 2000 is the first day of the hundredth year of the twentieth century and the date of 1 January 2001 is the first day of the first year of the twenty first century); it is to be noted also that year 2000 is a leap year and that 29 February 2000 exists.

In FM 94 BUFR, under section 1 - Identification Section:

Note (3): To specify year 2000, octet 13 of the section (year of the century) shall contain a value equal to 100. to specify year 2001, octet 13 of the section shall contain a value equal to 1 (by international convention, the date of 1 January 2000 is the first day of the hundredth year of the twentieth century and the date of 1 January 2001 is the first day of the first year of the twenty first century); it is to be noted also that year 2000 is a leap year and that 29 February 2000 exists.

In GRIB and BUFR, the century and year are coded as followed:

| YEAR | GRIB CENTURY ID | BUFR AND GRIB YEAR ID |
|------|-----------------|-----------------------|
| 1998 | 20 | 98 |
| 1999 | 20 | 99 |
| 2000 | 20 | 100 |
| 2001 | 21 | 1 |
| 2002 | 21 | 2 |

So at 00 UTC on 1st January 2001, the GRIB century will change from 20 to 21, and the grib and BUFR year will change from 100 to 1.

2. MANUAL ON CODES

Volume II, WMO No 306

Region II - Regional Coding Procedures

FM 12 SYNOP

Following Resolution 4.6/1 (XII-RA II) - of Regional Association II:

Replace regulation 2/12.10.2 with the following text:

"The group 4E'sss shall be included at least once daily, preferably at 000UTC (the morning observation time over most of Region II)."