



Joint WMO/IOC Technical Commission for
Oceanography - Ship Observation Team

**End-to-end report of the
ASAP data dissemination
performance
April to June 2016**

1. Introduction

Météo-France is in charge of a end-to-end report of the ASAP data dissemination performance.

The matter of this paper is to evaluate the results of the three last months (April 2016 – Juin 2016).

2. Information available at Météo-France

BUFR messages are received at LFPW (Toulouse) from EGRR (Exeter), EDZW (Offenbach) and Email.

3. List of call signs available

| Country | Call sign | Country | Call sign |
|---------|-----------|---------|-----------|
| Denmark | ASDK01 | Japan | JCCX |
| | ASDK02 | | JGQH |
| | ASDK03 | | JIVB |
| E-ASAP | ASEU01 | | JDWX |
| | ASEU02 | | JNSR |
| | ASEU03 | | JDSS |
| | ASEU04 | Spain | ASES01 |
| | ASEU05 | USA | WTEC |
| | ASEU06 | | |
| France | ASFR1 | | |
| | ASFR2 | | |
| | ASFR3 | | |
| | ASFR4 | | |
| Germany | ASDE01 | | |
| | ASDE02 | | |
| | ASDE03 | | |
| | ASDE04 | Test | SHIP |
| | DBLK | | ASDE09 |
| | DFCG | | |

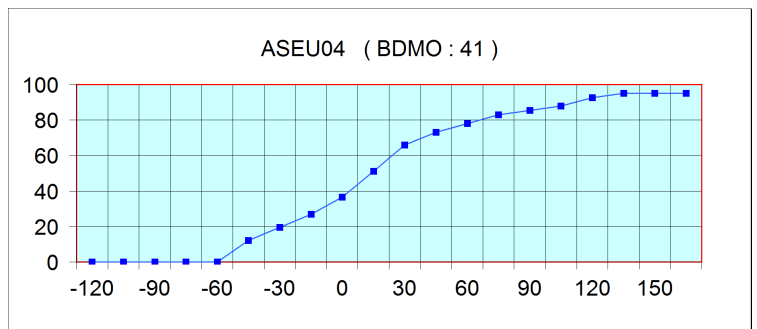
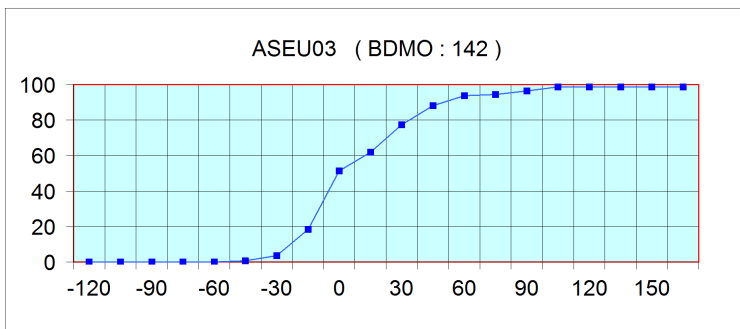
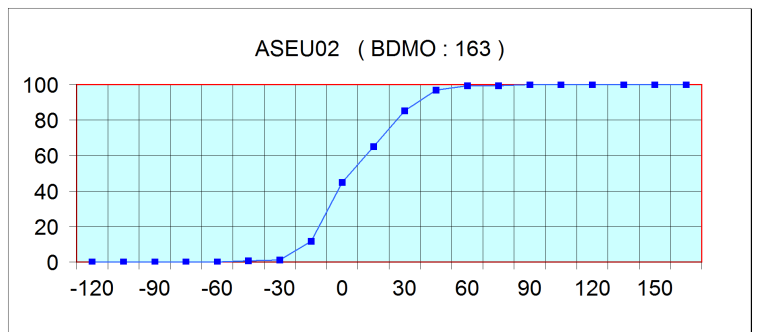
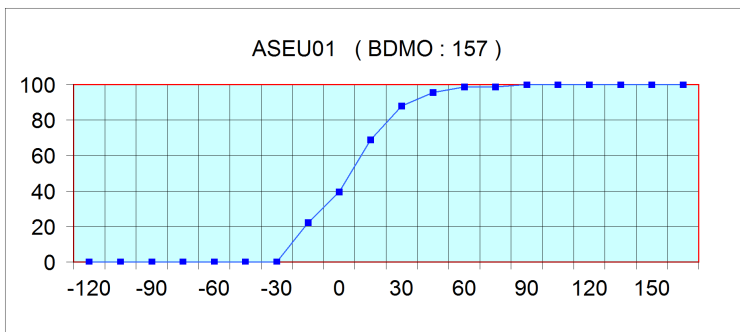
4. Origin of the messages

| Call sign | Offenbach | Exeter | Email |
|-----------|-----------|--------|-------|
| ASEU01 | 157 | 0 | 0 |
| ASEU02 | 163 | 0 | 0 |
| ASEU03 | 142 | 0 | 0 |
| ASEU04 | 41 | 0 | 0 |
| ASEU06 | 175 | 0 | 0 |
| ASDE01 | 67 | 0 | 0 |
| ASDE02 | 140 | 0 | 0 |
| ASDE03 | 194 | 0 | 0 |
| ASDE04 | 123 | 0 | 0 |
| ASDE09 | 27 | 0 | 0 |
| DBLK | 112 | 0 | 0 |
| ASDK01 | 290 | 0 | 0 |
| ASDK02 | 196 | 0 | 0 |
| ASDK03 | 183 | 0 | 0 |
| ASES01 | 160 | 0 | 0 |
| ASFR1 | 0 | 0 | 191 |
| ASFR2 | 0 | 0 | 84 |
| ASFR3 | 0 | 0 | 159 |
| ASFR4 | 0 | 0 | 142 |
| JGQH | 0 | 270 | 0 |
| JNSR | 0 | 19 | 0 |

5. Global system performance

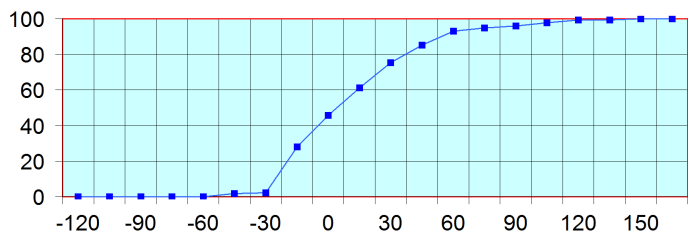
| Month | Origin | Nb of messages received |
|------------|-----------|-------------------------|
| 2016-Avril | Offenbach | 757 |
| | Exeter | 0 |
| | Email | 145 |
| | Total | 902 |
| 2016-Mai | Offenbach | 708 |
| | Exeter | 92 |
| | Email | 204 |
| | Total | 1004 |
| 2016-Juin | Offenbach | 705 |
| | Exeter | 197 |
| | Email | 227 |
| | Total | 1129 |

6. Mean time before the integration of the messages in the GTS in Toulouse. HH is the synoptic hour of reference.

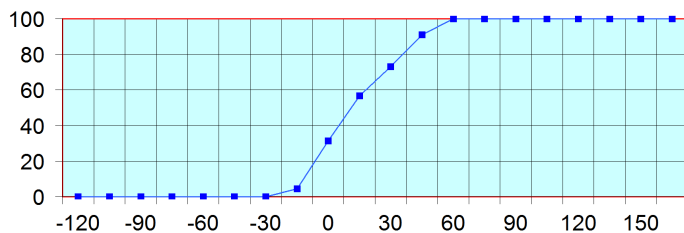




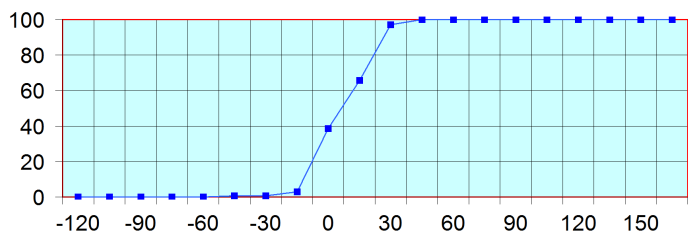
ASEU06 (BDMO : 175)



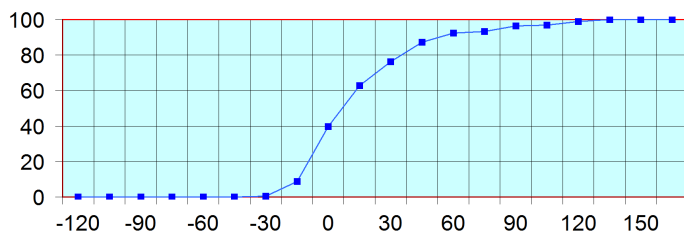
ASDE01 (BDMO : 67)



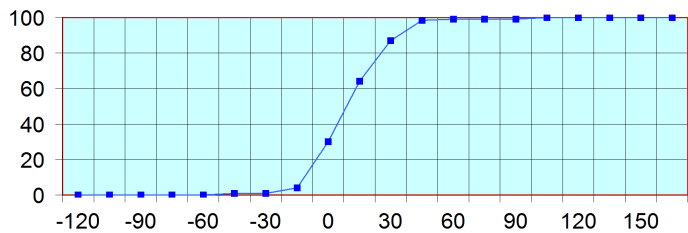
ASDE02 (BDMO : 140)



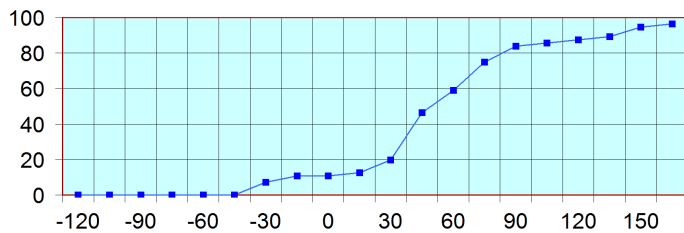
ASDE03 (BDMO : 194)



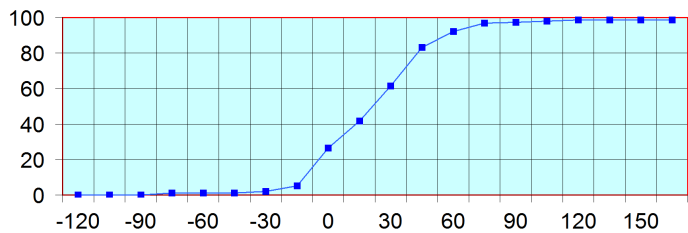
ASDE04 (BDMO : 123)



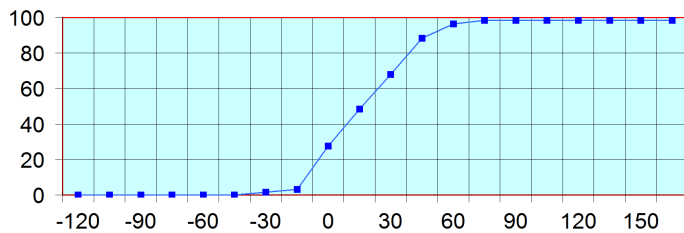
DBLK (BDMO : 112)



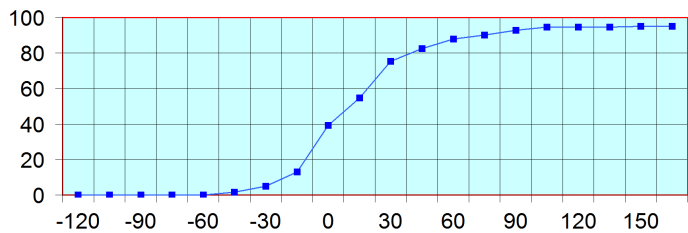
ASDK01 (BDMO : 290)



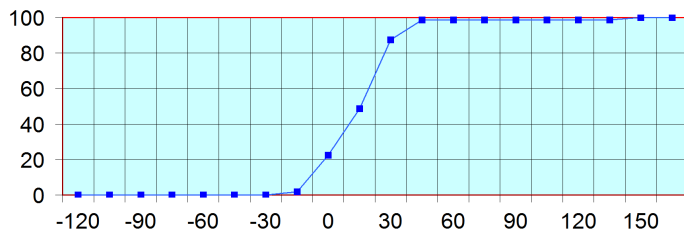
ASDK02 (BDMO : 196)



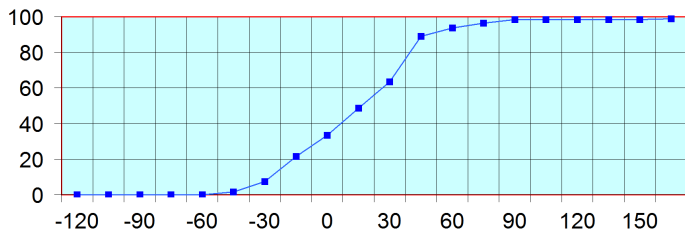
ASDK03 (BDMO : 183)



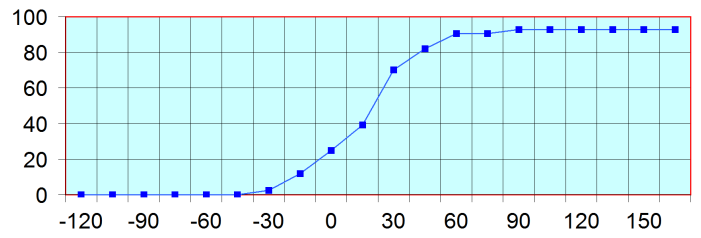
ASES01 (BDMO : 160)



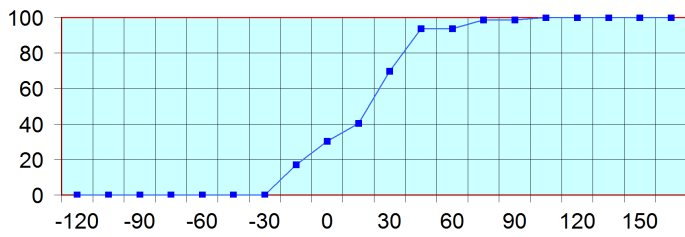
ASFR1 (BDMO : 191)



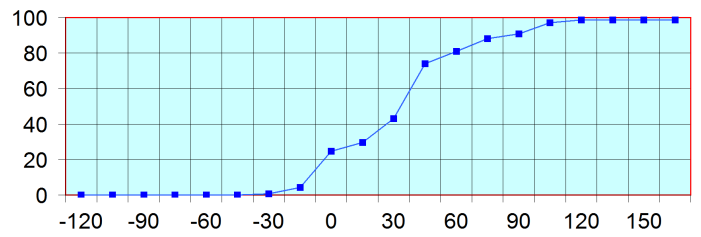
ASFR2 (BDMO : 84)



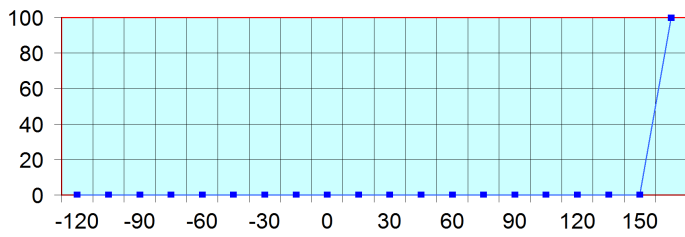
ASFR3 (BDMO : 159)



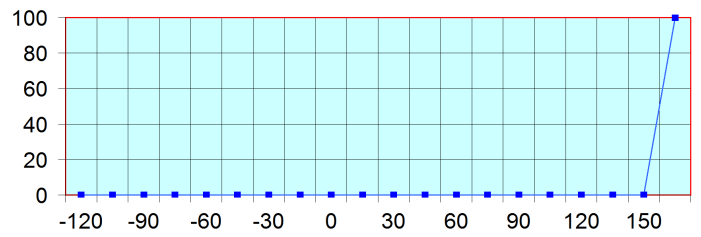
ASFR4 (BDMO : 142)



JGQH (BDMO : 270)



JNSR (BDMO : 19)



7. Distribution of messages

| Call sign | ASDE01 | ASDE02 | ASDE03 | ASDE04 | ASDK01 | ASDK02 | ASDK03 | ASES01 | ASEU01 | ASEU02 | ASEU03 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Start Date | 04/04/2016 12 | 02/04/2016 00 | 01/04/2016 12 | 08/04/2016 00 | 02/04/2016 12 | 01/04/2016 12 | 12/04/2016 12 | 07/04/2016 12 | 05/04/2016 12 | 05/04/2016 12 | 13/04/2016 12 |
| End Date | 26/04/2016 12 | 28/06/2016 00 | 20/06/2016 00 | 10/06/2016 18 | 25/06/2016 12 | 25/06/2016 00 | 29/06/2016 12 | 29/06/2016 12 | 15/06/2016 00 | 25/06/2016 00 | 01/07/2016 00 |
| Number of BUFR messages received | | | | | | | | | | | |
| Total BUFR messages | 67 | 140 | 194 | 123 | 290 | 196 | 183 | 160 | 157 | 163 | 142 |
| Number of Time network | 34 | 69 | 100 | 63 | 108 | 76 | 84 | 62 | 85 | 82 | 81 |
| Number of BUFR until 100 hPa | 33 | 69 | 99 | 63 | 136 | 72 | 98 | 62 | 85 | 82 | 82 |
| Number of BUFR complete messages | 34 | 71 | 95 | 60 | 154 | 124 | 85 | 98 | 72 | 81 | 60 |
| Number of BUFR with header = IUKx and amendment =0 (first message until 100 hPa) | 32 | 67 | 95 | 59 | 86 | 63 | 63 | 56 | 85 | 78 | 68 |
| Number of BUFR with header = IUKx and amendment >0 (other message until 100 hPa) | 0 | 0 | 0 | 0 | 30 | 6 | 20 | 0 | 0 | 0 | 2 |
| Number of BUFR with header = IUSx and amendment =0 (complete messages) | 2 | 2 | 4 | 4 | 16 | 13 | 11 | 6 | 0 | 4 | 12 |
| Number of BUFR with header = IUSx and amendment >0 (complete messages) | 33 | 71 | 95 | 60 | 158 | 114 | 89 | 98 | 72 | 81 | 60 |
| Total Distribution percentage messages BUFR | | | | | | | | | | | |
| 00utc | 38% | 97% | 33% | 35% | 35% | 30% | 31% | | 41% | 35% | 35% |
| 06utc | | | | | | | | | | | |
| 12utc | 32% | 1% | 34% | 32% | 34% | 34% | 37% | 100% | 52% | 33% | 36% |
| 18utc | 29% | 1% | 33% | 33% | 31% | 36% | 32% | | 7% | 32% | 30% |
| Distribution number of messages BUFR received until 100 hPa | | | | | | | | | | | |
| 00utc | 12 | 67 | 32 | 22 | 51 | 19 | 35 | 0 | 35 | 29 | 29 |
| 06utc | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12utc | 11 | 1 | 34 | 20 | 44 | 26 | 32 | 62 | 44 | 27 | 28 |
| 18utc | 10 | 1 | 33 | 21 | 41 | 27 | 31 | 0 | 6 | 26 | 25 |
| Distribution percentage messages BUFR received until 100 hPa | | | | | | | | | | | |
| 00utc | 36% | 97% | 32% | 35% | 38% | 26% | 36% | 0% | 41% | 35% | 35% |
| 06utc | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| 12utc | 33% | 1% | 34% | 32% | 32% | 36% | 33% | 100% | 52% | 33% | 34% |
| 18utc | 30% | 1% | 33% | 33% | 30% | 38% | 32% | 0% | 7% | 32% | 30% |
| Distribution number of complete messages BUFR received | | | | | | | | | | | |
| 00utc | 14 | 70 | 33 | 20 | 51 | 40 | 25 | 0 | 31 | 27 | 26 |
| 06utc | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 12utc | 11 | 1 | 32 | 19 | 54 | 43 | 33 | 98 | 36 | 26 | 23 |
| 18utc | 9 | 0 | 30 | 21 | 49 | 41 | 27 | 0 | 5 | 28 | 11 |
| Distribution percentage complete messages BUFR received | | | | | | | | | | | |
| 00utc | 41% | 99% | 35% | 33% | 33% | 32% | 29% | 0% | 43% | 33% | 43% |
| 06utc | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% |
| 12utc | 32% | 1% | 34% | 32% | 35% | 35% | 39% | 100% | 50% | 32% | 38% |
| 18utc | 26% | 0% | 32% | 35% | 32% | 33% | 32% | 0% | 7% | 35% | 18% |

| Call sign | ASEU04 | ASEU06 | ASFR1 | ASFR2 | ASFR3 | ASFR4 | DBLK | JGQH | JNSR | ASDE09 |
|--|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Start Date | 12/04/2016 00 | 07/04/2016 12 | 03/04/2016 12 | 02/04/2016 00 | 01/04/2016 12 | 14/04/2016 12 | 01/04/2016 12 | 01/05/2016 00 | 07/06/2016 12 | 13/04/2016 12 |
| End Date | 25/05/2016 12 | 01/07/2016 00 | 30/06/2016 12 | 14/06/2016 00 | 24/06/2016 12 | 29/06/2016 00 | 30/06/2016 12 | 21/06/2016 12 | 08/06/2016 12 | 15/06/2016 12 |
| Total BUFR messages | 41 | 175 | 191 | 84 | 159 | 142 | 112 | 270 | 19 | 27 |
| Number of Time network | 24 | 97 | 81 | 40 | 63 | 56 | 54 | 40 | 3 | 13 |
| Number of BUFR until 100 hPa | 24 | 87 | 56 | 23 | 52 | 44 | 59 | 121 | 7 | 17 |
| Number of BUFR complete messages | 17 | 88 | 135 | 61 | 107 | 98 | 53 | 149 | 12 | 10 |
| Number of BUFR with header = IUKx and amendment =0 (first message until 100 hPa) | 15 | 83 | 56 | 23 | 51 | 43 | 54 | 0 | 0 | 11 |
| Number of BUFR with header = IUKx and amendment >0 (other message until 100 hPa) | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 2 |
| Number of BUFR with header = IUSx and amendment =0 (complete messages) | 9 | 10 | 25 | 17 | 12 | 13 | 1 | 40 | 3 | 2 |
| Number of BUFR with header = IUSx and amendment >0 (complete messages) | 17 | 82 | 110 | 44 | 96 | 84 | 55 | 230 | 16 | 12 |
| Total Distribution percentage messages BUFR | | | | | | | | | | |
| 00utc | 54% | 34% | 48% | 52% | 48% | 50% | 2% | 55% | | |
| 06utc | | | | | | | 7% | | | |
| 12utc | 46% | 35% | 52% | 48% | 52% | 50% | 83% | 45% | 67% | 92% |
| 18utc | | 31% | | | | | 7% | | 33% | 8% |
| Distribution number of messages BUFR received until 100 hPa | | | | | | | | | | |
| 00utc | 13 | 31 | 29 | 14 | 29 | 22 | 1 | 67 | 0 | 0 |
| 06utc | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 |
| 12utc | 11 | 31 | 27 | 9 | 23 | 22 | 48 | 54 | 4 | 16 |
| 18utc | 0 | 25 | 0 | 0 | 0 | 0 | 6 | 0 | 3 | 1 |
| Distribution percentage messages BUFR received until 100 hPa | | | | | | | | | | |
| 00utc | 54% | 36% | 52% | 61% | 56% | 50% | 2% | 55% | 0% | 0% |
| 06utc | 0% | 0% | 0% | 0% | 0% | 0% | 7% | 0% | 0% | 0% |
| 12utc | 46% | 36% | 48% | 39% | 44% | 50% | 81% | 45% | 57% | 94% |
| 18utc | 0% | 29% | 0% | 0% | 0% | 0% | 10% | 0% | 43% | 6% |
| Distribution number of complete messages BUFR received | | | | | | | | | | |
| 00utc | 13 | 31 | 66 | 35 | 55 | 48 | 1 | 79 | 0 | 0 |
| 06utc | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 |
| 12utc | 4 | 33 | 69 | 26 | 52 | 50 | 45 | 70 | 8 | 9 |
| 18utc | 0 | 24 | 0 | 0 | 0 | 0 | 3 | 0 | 4 | 1 |
| Distribution percentage complete messages BUFR received | | | | | | | | | | |
| 00utc | 76% | 35% | 49% | 57% | 51% | 49% | 2% | 53% | 0% | 0% |
| 06utc | 0% | 0% | 0% | 0% | 0% | 0% | 8% | 0% | 0% | 0% |
| 12utc | 24% | 38% | 51% | 43% | 49% | 51% | 85% | 47% | 67% | 90% |
| 18utc | 0% | 27% | 0% | 0% | 0% | 0% | 6% | 0% | 33% | 10% |

For any comment or remark please contact Météo-France Toulouse DSO/DOA department

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