

**APPENDIX B**  
**END-TO-END REPORT OF THE ASAP DATA DISSEMINATION PERFORMANCE – 2014**  
*(report submitted by Frédéric Marin, ASAP Monitoring Centre – Operated by Météo France)*

## 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 (January 2014 – December 2014).

## 2. Information available at Météo-France

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

The following information is available :

| <b>Reception at LFPW</b> | <b>Broadcast by LFPW</b> |
|--------------------------|--------------------------|
| Call sign                | Call sign                |
| Header                   | Channel                  |
| Channel                  | Broadcast date           |
| Reception date           | Time lapse               |
| Size                     | Broadcast size           |
| Format                   | Recipient                |
| Error                    |                          |
| Operator                 |                          |

### 3. List of call signs available

| <b>Country</b> | <b>Call sign</b> | <b>Country</b> | <b>Call sign</b> |
|----------------|------------------|----------------|------------------|
| Denmark        | ASDK01           | Japan          | JCCX             |
|                | ASDK02           |                | JGQH             |
|                | ASDK3            |                | 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 | Telex | Email | Mariner | Supervis | X25 |
|----------------------------|-----------|--------|-------|-------|---------|----------|-----|
| ASEU01                     | 366       | 0      | 0     | 0     | 0       | 0        | 0   |
| ASEU02                     | 844       | 0      | 0     | 0     | 0       | 0        | 0   |
| ASEU03                     | 806       | 0      | 0     | 0     | 0       | 0        | 0   |
| ASEU04                     | 746       | 0      | 0     | 0     | 0       | 0        | 0   |
| ASEU05                     | 672       | 0      | 0     | 0     | 0       | 0        | 0   |
| ASEU06                     | 497       | 0      | 0     | 0     | 0       | 0        | 0   |
| ASDE01                     | 835       | 0      | 0     | 0     | 0       | 0        | 0   |
| ASDE02                     | 674       | 0      | 0     | 0     | 0       | 0        | 0   |
| ASDE03                     | 904       | 0      | 0     | 0     | 0       | 0        | 0   |
| ASDE04                     | 796       | 0      | 0     | 0     | 0       | 0        | 0   |
| DBLK                       | 1357      | 0      | 0     | 0     | 0       | 0        | 0   |
| DFCG                       | 81        | 0      | 0     | 0     | 0       | 0        | 0   |
| ASDK01                     | 785       | 0      | 0     | 0     | 0       | 0        | 0   |
| ASDK02                     | 1277      | 0      | 0     | 0     | 0       | 0        | 0   |
| ASDK3                      | 1000      | 0      | 0     | 0     | 0       | 0        | 0   |
| ASES01                     | 766       | 0      | 0     | 0     | 0       | 0        | 0   |
| ASFR1                      | 0         | 0      | 0     | 1009  | 0       | 0        | 0   |
| ASFR2                      | 0         | 4      | 0     | 785   | 0       | 0        | 0   |
| ASFR3                      | 0         | 12     | 0     | 1063  | 0       | 0        | 0   |
| ASFR4                      | 0         | 0      | 0     | 1148  | 0       | 0        | 0   |
| JGQH                       | 0         | 479    | 0     | 0     | 0       | 0        | 0   |
| JNSR                       | 0         | 794    | 0     | 0     | 0       | 0        | 0   |
| Test                       |           |        |       |       |         |          |     |
| ASDE09                     | 65        | 0      | 0     | 0     | 0       | 0        | 0   |
| Wrong or strange call sign |           |        |       |       |         |          |     |
| ASDK1                      | 111       | 0      | 0     | 0     | 0       | 0        | 0   |
| ASDK2                      | 161       | 0      | 0     | 0     | 0       | 0        | 0   |
| ASUK02                     | 0         | 1274   | 0     | 0     | 0       | 0        | 0   |
| DBLKHEADING:UKVX01         | 1         | 0      | 0     | 0     | 0       | 0        | 0   |
| EGRR                       | 0         | 6      | 0     | 0     | 0       | 0        | 0   |
| XXXXX                      | 1053      | 1      | 0     | 297   | 0       | 0        | 0   |
| numer.                     | 1         | 1      | 0     | 0     | 0       | 0        | 0   |

Mariner: French navy military sounding  
 Supervis: handled by operator

## 5. Global system performance

| Month    | Origin    | Nb of messages received | Nb of messages in error | Percentage of messages in error | Nb of messages with operator action | Percentage of messages with operator action |
|----------|-----------|-------------------------|-------------------------|---------------------------------|-------------------------------------|---|
| 2014-Jan | Offenbach | 897                     | 0                       | 0                               |                                     |   |
|          | Exeter    | 84                      | 0                       | 0                               |                                     |   |
|          | Telex     | 0                       | not relevant            | not relevant                    |                                     |   |
|          | Email     | 218                     | not relevant            | not relevant                    |                                     |   |
|          | Mariner   | 0                       | not relevant            | not relevant                    |                                     |   |
|          | X25       | 0                       | not relevant            | not relevant                    |                                     |   |
|          | Supervis  | 0                       | 0                       | not relevant                    |                                     |   |
|          | Total     | 1199                    | 0                       | 0                               | 0                                   | 0   |
| 2014-Feb | Offenbach | 1191                    | 0                       | 0                               |                                     |   |
|          | Exeter    | 91                      | 0                       | 0                               |                                     |   |
|          | Telex     | 0                       | not relevant            | not relevant                    |                                     |   |
|          | Email     | 350                     | not relevant            | not relevant                    |                                     |   |
|          | Mariner   | 0                       | not relevant            | not relevant                    |                                     |   |
|          | X25       | 0                       | not relevant            | not relevant                    |                                     |   |
|          | Supervis  | 0                       | 0                       | not relevant                    |                                     |   |
|          | Total     | 1632                    | 0                       | 0                               | 0                                   | 0   |
| 2014-Mar | Offenbach | 1468                    | 0                       | 0                               |                                     |   |
|          | Exeter    | 49                      | 0                       | 0                               |                                     |   |
|          | Telex     | 0                       | not relevant            | not relevant                    |                                     |   |
|          | Email     | 422                     | not relevant            | not relevant                    |                                     |   |
|          | Mariner   | 0                       | not relevant            | not relevant                    |                                     |   |
|          | X25       | 0                       | not relevant            | not relevant                    |                                     |   |
|          | Supervis  | 0                       | 0                       | not relevant                    |                                     |   |
|          | Total     | 1939                    | 0                       | 0                               | 0                                   | 0   |
| 2014-Apr | Offenbach | 1114                    | 0                       | 0                               |                                     |   |
|          | Exeter    | 0                       | 0                       | 0                               |                                     |   |
|          | Telex     | 0                       | not relevant            | not relevant                    |                                     |   |
|          | Email     | 376                     | not relevant            | not relevant                    |                                     |   |
|          | Mariner   | 0                       | not relevant            | not relevant                    |                                     |   |
|          | X25       | 0                       | not relevant            | not relevant                    |                                     |   |
|          | Supervis  | 0                       | 0                       | not relevant                    |                                     |   |
|          | Total     | 1490                    | 0                       | 0                               | 0                                   | 0   |
| 2014-May | Offenbach | 1106                    | 2                       | 0,18                            |                                     |   |
|          | Exeter    | 69                      | 0                       | 0                               |                                     |   |
|          | Telex     | 0                       | not relevant            | not relevant                    |                                     |   |
|          | Email     | 400                     | not relevant            | not relevant                    |                                     |   |
|          | Mariner   | 0                       | not relevant            | not relevant                    |                                     |   |
|          | X25       | 0                       | not relevant            | not relevant                    |                                     |   |
|          | Supervis  | 0                       | 0                       | not relevant                    |                                     |   |
|          | Total     | 1575                    | 2                       | 0,17                            | 0                                   | 0   |
| 2014-Jun | Offenbach | 1287                    | 0                       | 0                               |                                     |   |
|          | Exeter    | 12                      | 0                       | 0                               |                                     |   |
|          | Telex     | 0                       | not relevant            | not relevant                    |                                     |   |
|          | Email     | 389                     | not relevant            | not relevant                    |                                     |   |
|          | Mariner   | 0                       | not relevant            | not relevant                    |                                     |   |
|          | X25       | 0                       | not relevant            | not relevant                    |                                     |   |
|          | Supervis  | 0                       | 0                       | not relevant                    |                                     |   |
|          | Total     | 1688                    | 0                       | 0                               | 0                                   | 0   |

|          |           |       |              |              |   |   |
|----------|-----------|-------|--------------|--------------|---|---|
| 2014-Jul | Offenbach | 1443  | 0            | 0            |   |   |
|          | Exeter    | 447   | 0            | 0            |   |   |
|          | Telex     | 0     | not relevant | not relevant |   |   |
|          | Email     | 412   | not relevant | not relevant |   |   |
|          | Mariner   | 0     | not relevant | not relevant |   |   |
|          | X25       | 0     | not relevant | not relevant |   |   |
|          | Supervis  | 0     | 0            | not relevant |   |   |
|          | Total     | 2302  | 0            | 0            | 0 | 0 |
| 2014-Aug | Offenbach | 1300  | 0            | 0            |   |   |
|          | Exeter    | 549   | 0            | 0            |   |   |
|          | Telex     | 0     | not relevant | not relevant |   |   |
|          | Email     | 426   | not relevant | not relevant |   |   |
|          | Mariner   | 0     | not relevant | not relevant |   |   |
|          | X25       | 0     | not relevant | not relevant |   |   |
|          | Supervis  | 0     | 0            | not relevant |   |   |
|          | Total     | 2275  | 0            | 0            | 0 | 0 |
| 2014-Sep | Offenbach | 1305  | 0            | 0            |   |   |
|          | Exeter    | 1126  | 0            | 0            |   |   |
|          | Telex     | 0     | not relevant | not relevant |   |   |
|          | Email     | 380   | not relevant | not relevant |   |   |
|          | Mariner   | 0     | not relevant | not relevant |   |   |
|          | X25       | 0     | not relevant | not relevant |   |   |
|          | Supervis  | 0     | 0            | not relevant |   |   |
|          | Total     | 2811  | 0            | 0            | 0 | 0 |
| 2014-Oct | Offenbach | 873   | 0            | 0            |   |   |
|          | Exeter    | 99    | 0            | 0            |   |   |
|          | Telex     | 0     | not relevant | not relevant |   |   |
|          | Email     | 252   | not relevant | not relevant |   |   |
|          | Mariner   | 0     | not relevant | not relevant |   |   |
|          | X25       | 0     | not relevant | not relevant |   |   |
|          | Supervis  | 0     | 0            | not relevant |   |   |
|          | Total     | 1224  | 0            | 0            | 0 | 0 |
| 2014-Nov | Offenbach | 875   | 0            | 0            |   |   |
|          | Exeter    | 15    | 0            | 0            |   |   |
|          | Telex     | 0     | not relevant | not relevant |   |   |
|          | Email     | 337   | not relevant | not relevant |   |   |
|          | Mariner   | 0     | not relevant | not relevant |   |   |
|          | X25       | 0     | not relevant | not relevant |   |   |
|          | Supervis  | 0     | 0            | not relevant |   |   |
|          | Total     | 1227  | 0            | 0            | 0 | 0 |
| 2014-Dec | Offenbach | 939   | 0            | 0            |   |   |
|          | Exeter    | 30    | 0            | 0            |   |   |
|          | Telex     | 0     | not relevant | not relevant |   |   |
|          | Email     | 340   | not relevant | not relevant |   |   |
|          | Mariner   | 0     | not relevant | not relevant |   |   |
|          | X25       | 0     | not relevant | not relevant |   |   |
|          | Supervis  | 0     | 0            | not relevant |   |   |
|          | Total     | 1309  | 0            | 0            | 0 | 0 |
| Total    | Offenbach | 13798 | 2            | 0,01         |   |   |
|          | Exeter    | 2571  | 0            | 0            |   |   |
|          | Telex     | 0     | 0            | not relevant |   |   |
|          | Email     | 4302  | 16           | 0,37         |   |   |
|          | Mariner   | 0     | not relevant | not relevant |   |   |
|          | X25       | 0     | not relevant | not relevant |   |   |
|          | Supervis  | 0     | 0            | not relevant |   |   |
|          | Total     | 20671 | 2            | 0,01         | 0 | 0 |

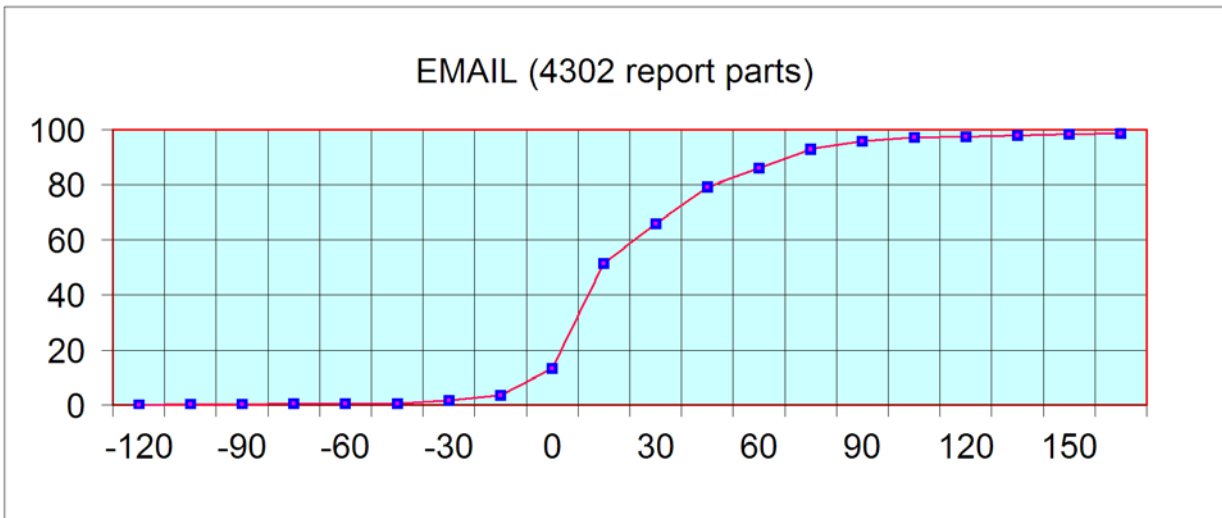
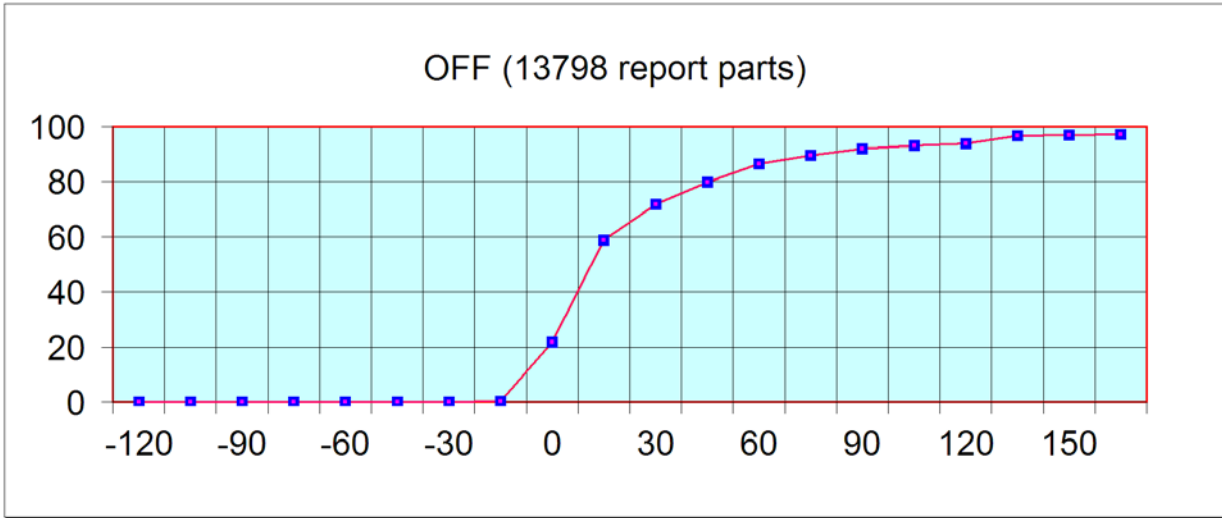
**Remark:** Email messages were excluded from the number of messages in error and from the relative percentage as values are regarded as not relevant. Not relevant percentages are due to not relevant values or to a total amount of data equal to zero.

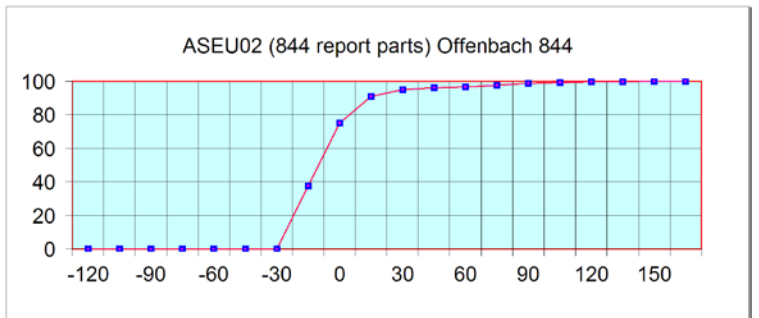
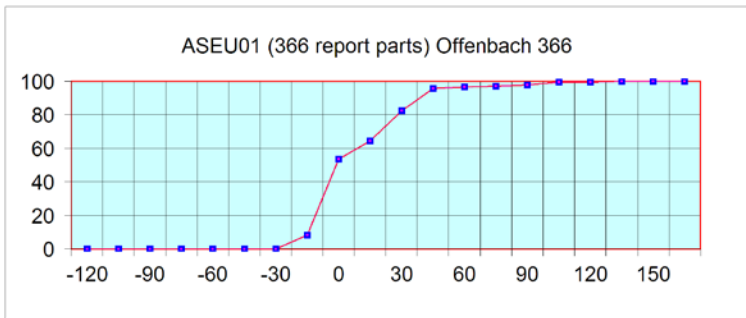
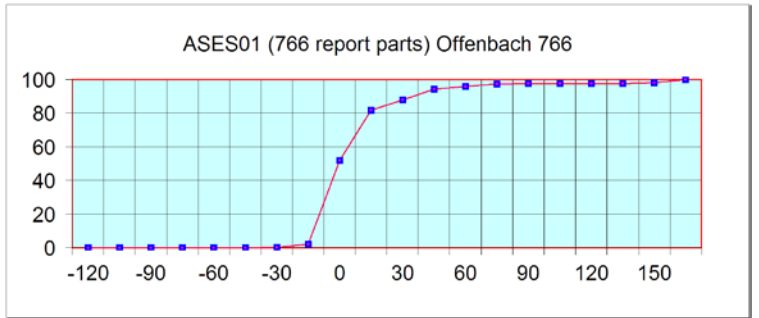
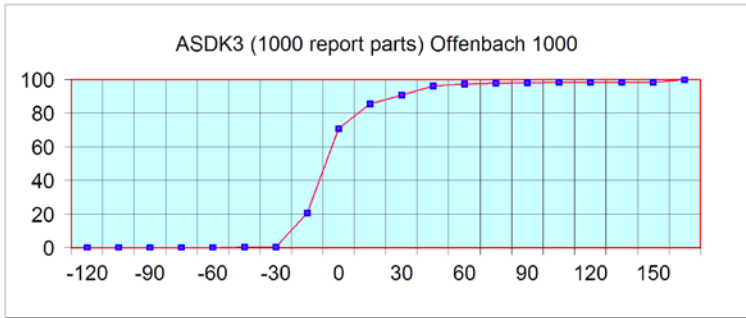
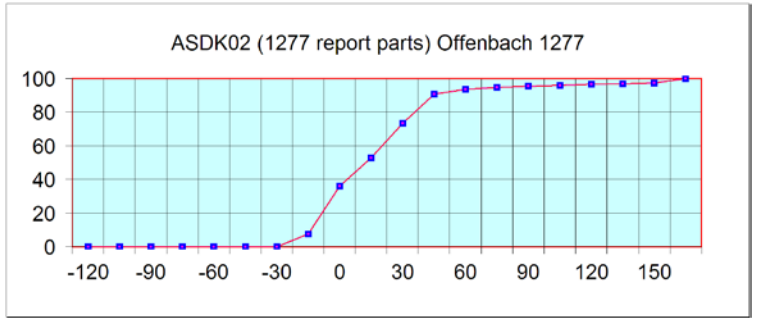
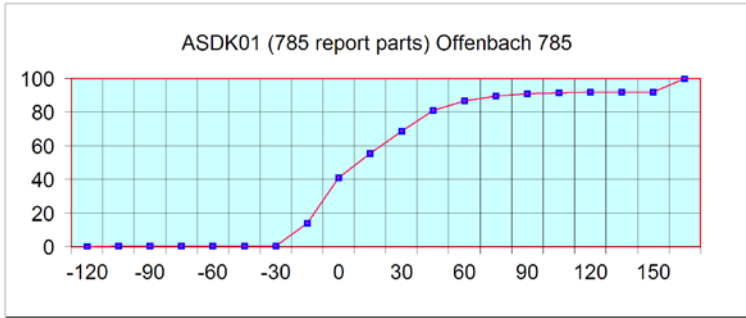
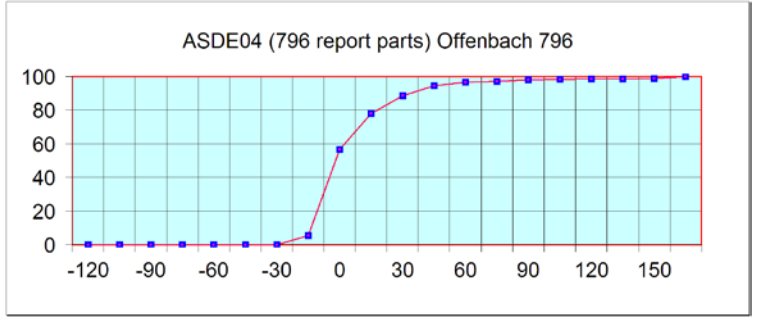
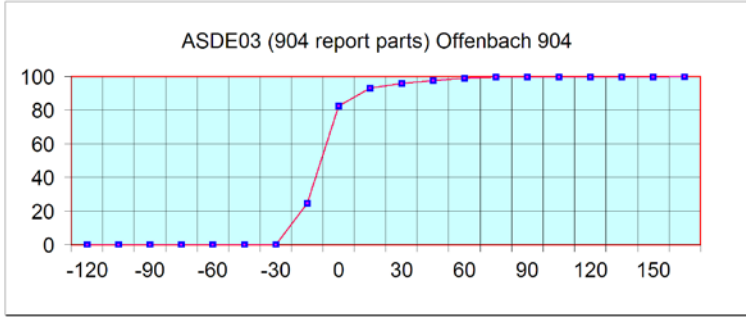
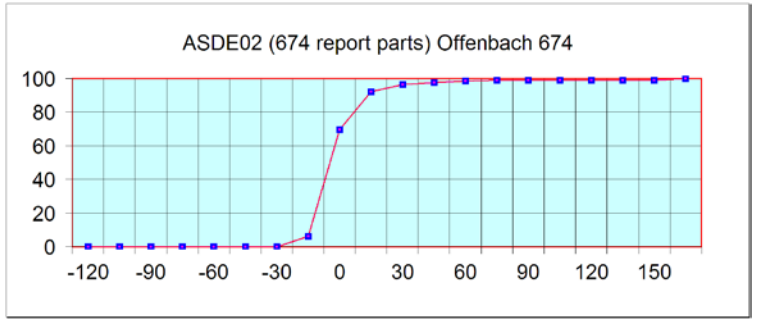
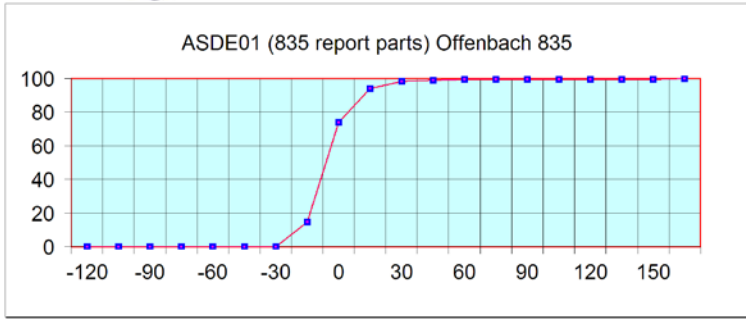
## 6. Global result of the syntactic check for the messages for each call sign.

| Call sign                  | Nb of messages recieved | Nb of messages in error | Percentage of messages in error | Nb of messages with operator action | Percentage of messages with operator action |
|----------------------------|-------------------------|-------------------------|---------------------------------|-------------------------------------|---|
| ASEU01                     | 366                     | 0                       | 0                               | 0                                   | 0   |
| ASEU02                     | 844                     | 0                       | 0                               | 0                                   | 0   |
| ASEU03                     | 806                     | 0                       | 0                               | 0                                   | 0   |
| ASEU04                     | 746                     | 0                       | 0                               | 0                                   | 0   |
| ASEU05                     | 672                     | 0                       | 0                               | 0                                   | 0   |
| ASEU06                     | 497                     | 0                       | 0                               | 0                                   | 0   |
| ASDE01                     | 835                     | 0                       | 0                               | 0                                   | 0   |
| ASDE02                     | 674                     | 0                       | 0                               | 0                                   | 0   |
| ASDE03                     | 904                     | 0                       | 0                               | 0                                   | 0   |
| ASDE04                     | 796                     | 0                       | 0                               | 0                                   | 0   |
| DBLK                       | 1357                    | 0                       | 0                               | 0                                   | 0   |
| DFCG                       | 81                      | 0                       | 0                               | 0                                   | 0   |
| ASDK01                     | 785                     | 0                       | 0                               | 0                                   | 0   |
| ASDK02                     | 1277                    | 0                       | 0                               | 0                                   | 0   |
| ASDK3                      | 1000                    | 0                       | 0                               | 0                                   | 0   |
| ASES01                     | 766                     | 0                       | 0                               | 0                                   | 0   |
| ASFR1                      | 1009                    | 0                       | 0                               | 0                                   | 0   |
| ASFR3                      | 1075                    | 0                       | 0                               | 0                                   | 0   |
| ASFR4                      | 1148                    | 0                       | 0                               | 0                                   | 0   |
| ASFR2                      | 789                     | 0                       | 0                               | 0                                   | 0   |
| JGQH                       | 479                     | 0                       | 0                               | 0                                   | 0   |
| JNSR                       | 794                     | 0                       | 0                               | 0                                   | 0   |
| Test                       |                         |                         |                                 |                                     |   |
| ASDE09                     | 65                      | 0                       | 0                               | 0                                   | 0   |
| Wrong or strange call sign |                         |                         |                                 |                                     |   |
| ASDK1                      | 111                     | 0                       | 0                               | 0                                   | 0   |
| ASDK2                      | 161                     | 0                       | 0                               | 0                                   | 0   |
| ASUK02                     | 1274                    | 0                       | 0                               | 0                                   | 0   |
| DBLKHEADING:UKVX01         | 1                       | 0                       | 0                               | 0                                   | 0   |
| EGRR                       | 6                       | 0                       | 0                               | 0                                   | 0   |
| XXXXX                      | 1351                    | 2                       | 0,15                            | 0                                   | 0   |
| numer,                     | 2                       | 0                       | 0                               | 0                                   | 0   |

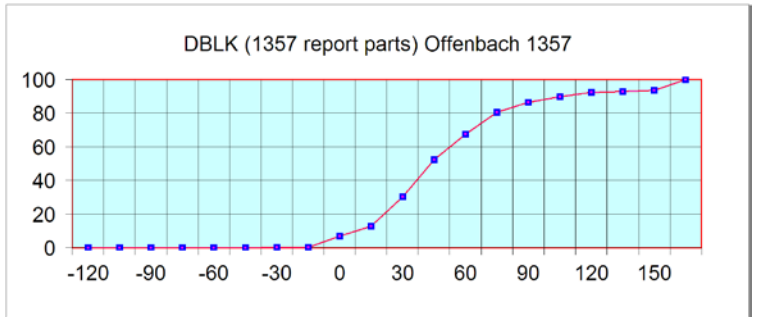
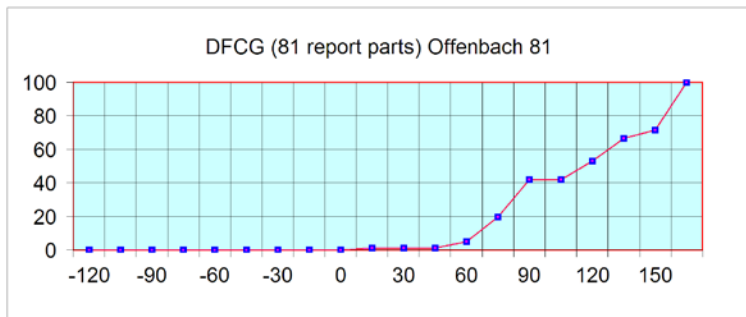
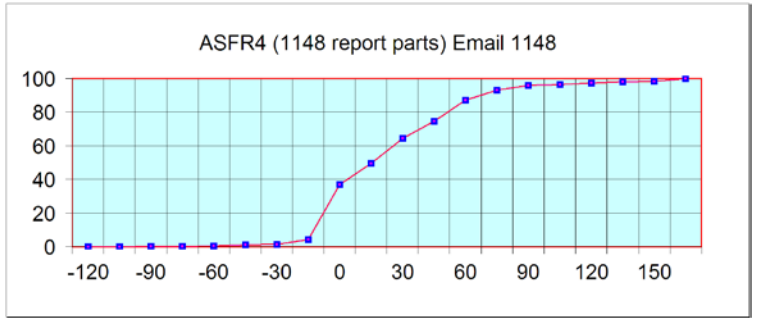
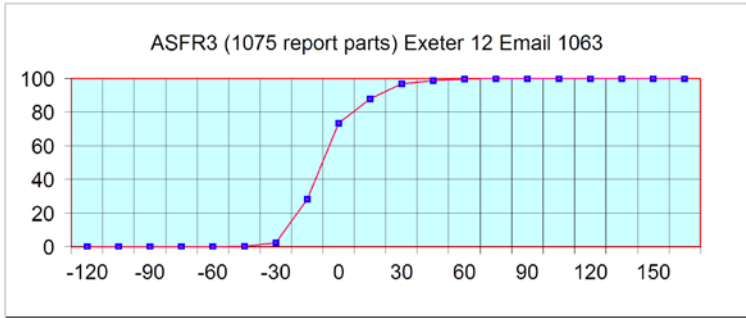
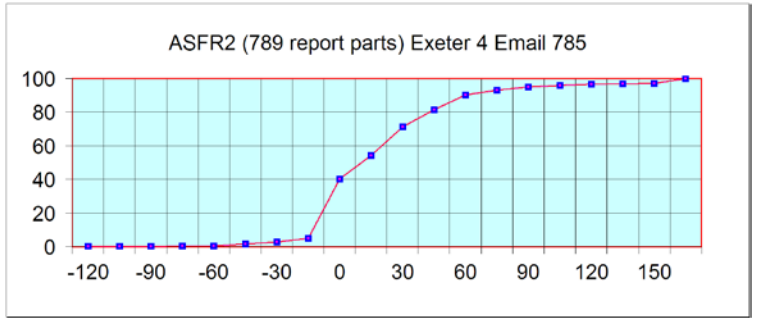
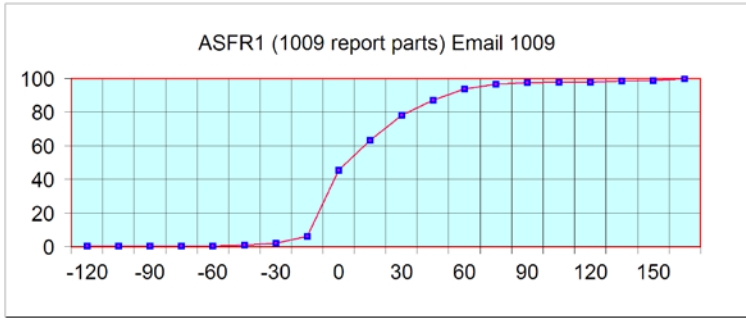
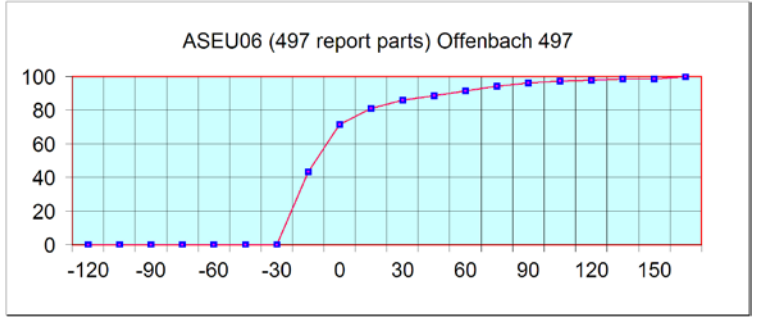
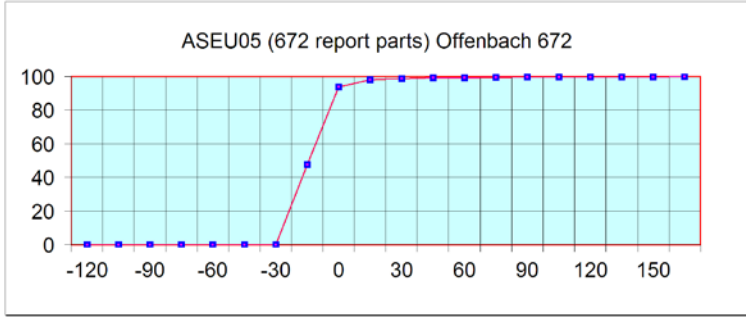
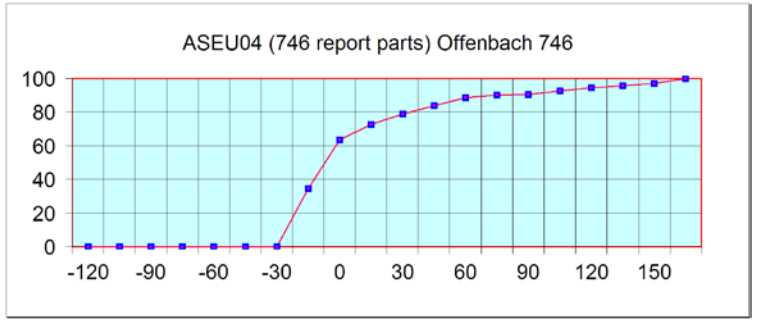
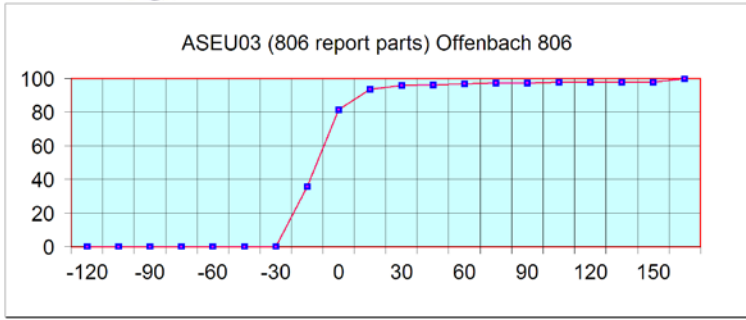
**Remark:** Data transmitted through email displayed an error rate close to 100% due to email syntax and were thus regarded as not relevant and excluded from errors total amount.

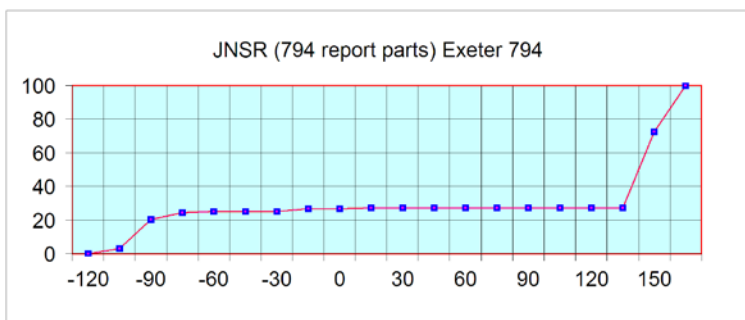
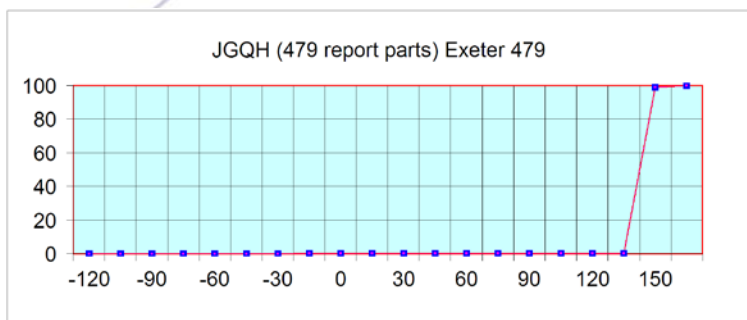
7. Mean time before the integration of the messages in the GTS in Toulouse. HH is the synoptic hour of reference.











During 2014, Météo-France Toulouse received 5167 upper air messages (TEMP with 4 parts) from ships. This number of messages is substantially the same compared to 2013 (5252).

| Call Sign                  | Messages received in 2013 | Messages received in 2014 | Difference 2014-2013 |
|----------------------------|---------------------------|---------------------------|----------------------|
| ASEU01                     | 722                       | 366                       | -356                 |
| ASEU02                     | 821                       | 844                       | +23                  |
| ASEU03                     | 390                       | 806                       | +416                 |
| ASEU04                     | 602                       | 756                       | +154                 |
| ASEU05                     | 948                       | 672                       | -276                 |
| ASEU06                     | 676                       | 497                       | -179                 |
| ASDE01                     | 1082                      | 835                       | -247                 |
| ASDE02                     | 624                       | 674                       | +50                  |
| ASDE03                     | 960                       | 904                       | -56                  |
| ASDE04                     | 942                       | 796                       | -146                 |
| DBLK                       | 1473                      | 1357                      | -116                 |
| ASDK01                     | 451                       | 785                       | +334                 |
| ASDK02                     | 972                       | 1277                      | +305                 |
| ASDK3                      | 1329                      | 1000                      | -329                 |
| ASES01                     | 848                       | 766                       | -82                  |
| ASFR1                      | 1036                      | 1009                      | -27                  |
| ASFR2                      | 1013                      | 789                       | -224                 |
| ASFR3                      | 953                       | 1075                      | +122                 |
| ASFR4                      | 776                       | 1148                      | +372                 |
| JGQH                       | 668                       | 479                       | -189                 |
| JNSR                       | 1928                      | 794                       | -1134                |
| JDSS                       | 78                        | 0                         | -78                  |
| Test ASDE09                | 199                       | 65                        | -134                 |
| Wrong or strange call sign | 1216                      | 2906                      | +1690                |

The reports were received from 23 different call signs; one of them was test call sign (ASDE09). The quality of the ASAP reports was generally of a high standard, with only a small percentage of erroneous data.

Some corrupted call signs can be seen from time to time but more than in 2013 (+1690 messages).

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

Frédéric Marin ([frederic.marin@meteo.fr](mailto:frederic.marin@meteo.fr))

Hugues Jardat ([hugues.jardat@meteo.fr](mailto:hugues.jardat@meteo.fr))