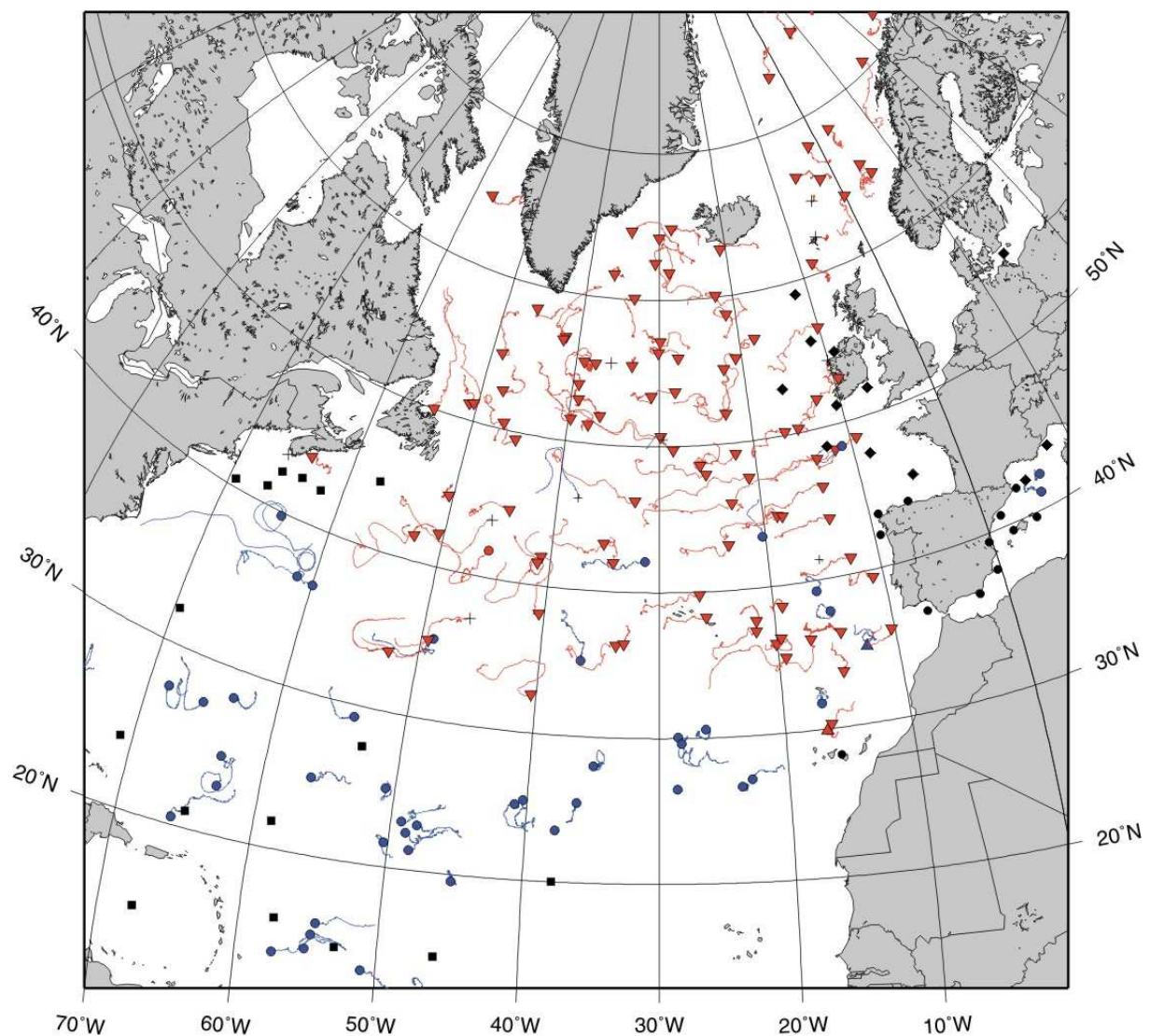
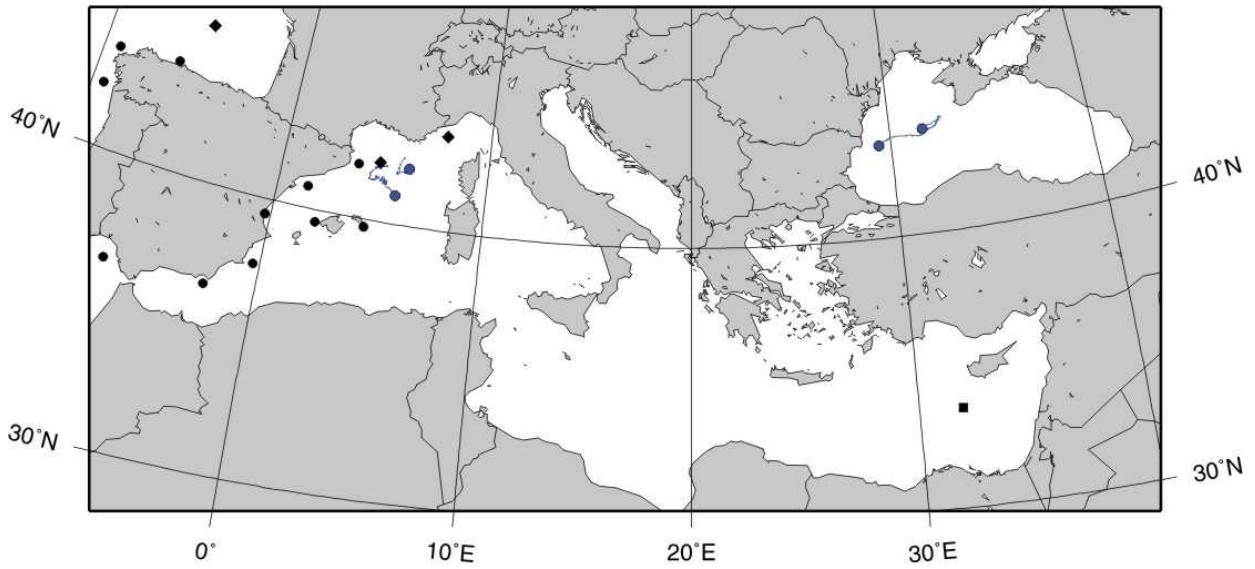


DATA BUOY MONTHLY REPORT

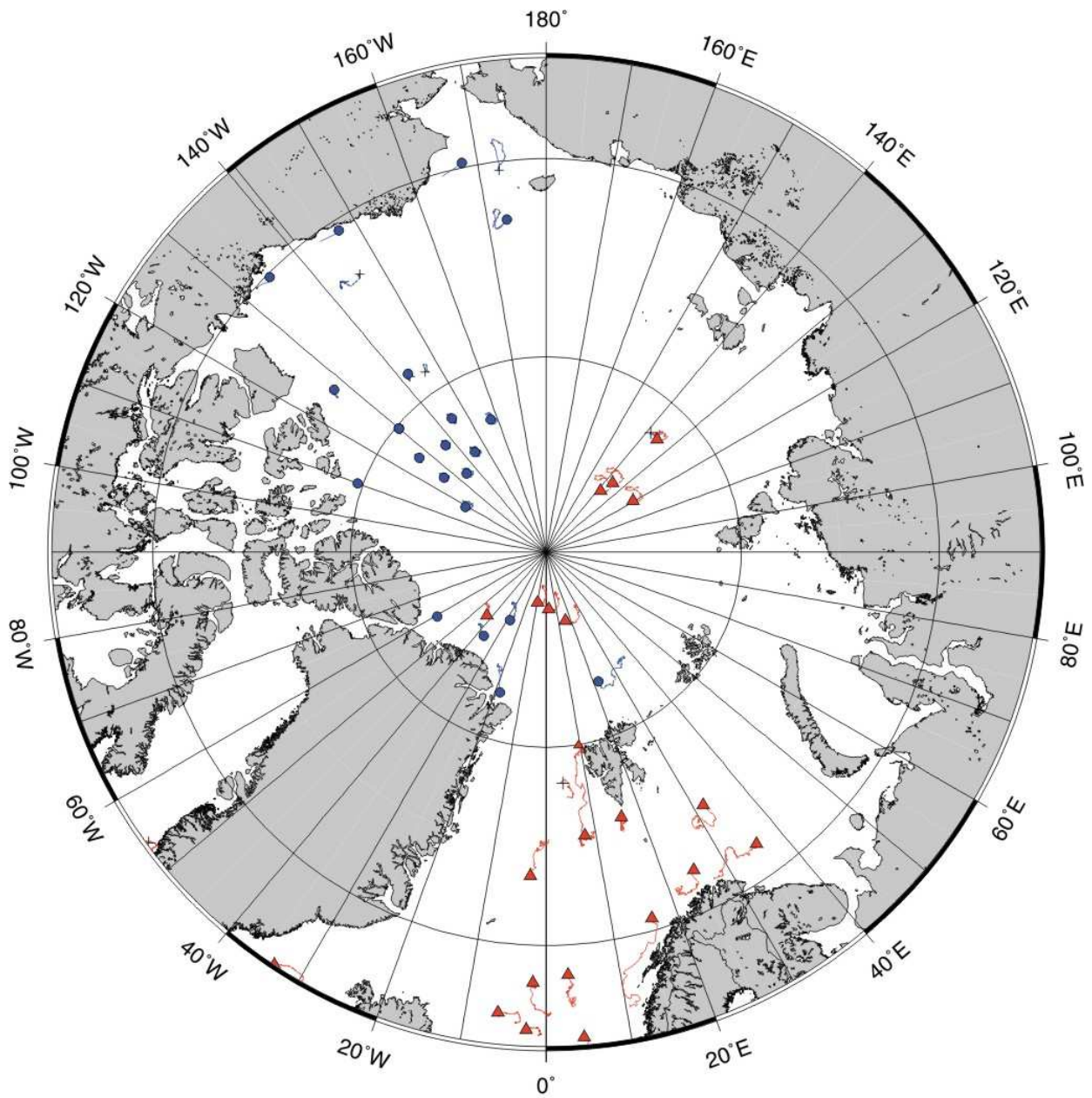
December 2012



December 2012 - Operating data buoys in the North Atlantic
Drifting buoy trajectories: E-SURFMAR (red), others (blue)
Moored buoy positions (black)



December 2012 - Operating data buoys in the Mediterranean Sea
Drifting buoy trajectories and moored buoy positions



December 2012 - Drifting buoy trajectories in Arctic Ocean and adjacent seas: E-SURFMAR (red), others (blue)

DRIFTING BUOYS

Network status

By the end of December, **115 drifting buoys**, reporting air pressure or wind at least onto the GTS, were in operation in the frame of E-SURFMAR. Out of these, 82 were E-SURFMAR funded Iridium SVP-Bs, including 7 in the Arctic and 4 HRSST-2 buoys. These latter are fitted with accurate digital SST probes. The remaining buoys were: one ICEB buoy in the Arctic, 5 Argos and 26 Iridium drifters owned by NOAA and upgraded with barometers by E-SURFMAR, and one Iridium drifter operated by Environment Canada.

Air pressure measurements were released back onto the GTS for buoy WMO 4400730 after realizing they seemed correct again (beginning of December).

Information about the availability of buoys for future deployments may be get from the E-SURFMAR wikisite (working area) at: http://esurfmar.meteo.fr/wikisurf-wa/index.php/Availability_of_drifting_buoys

The GTS data transmission of Iridium buoys - ensured by Meteo-France -, did not suffer from any interruption or delay in December.

Besides E-SURFMAR buoys, 48 drifting buoys were reporting at least air pressure or wind observations from the EUCOS area of interest. Out of these, 14 were reporting Sea Surface Salinity, some in the frame of Spurs/Strasse campaign (validation of SMOS and Aquarius remote SSS measurements).

Drifting buoys - New deployments

| WMO | Telcom | Typ | Ow | Dep_Date | DepLat | DepLon | From | Comment |
|---------|----------|-----|----|----------|--------|--------|-------------|--------------------------------|
| 4400624 | 11341110 | YSB | EU | 20121211 | 52.9 | -52.4 | Le Havre | Ottawa Express |
| 4400762 | 11244970 | YSB | EU | 20121216 | 42.7 | -53.0 | Fos-sur-Mer | Milan Express |
| 6200687 | 11349100 | YSB | EU | 20121207 | 56.5 | -19.3 | Le Havre | Ottawa Express |
| 6200688 | 11248950 | YSB | EU | 20121210 | 56.3 | -30.0 | Le Havre | Ottawa Express |
| 6200689 | 11240960 | YSB | EU | 20121208 | 56.1 | -33.0 | Le Havre | Ottawa Express |
| 6200690 | 11249950 | YSB | EU | 20121209 | 55.8 | -36.0 | Le Havre | Ottawa Express |
| 6200711 | 11345100 | YSB | EU | 20121212 | 38.4 | -20.2 | Fos-sur-Mer | Milan Express |
| 6200713 | 11246980 | YSB | EU | 20121212 | 38.3 | -23.0 | Fos-sur-Mer | Milan Express |
| 6200714 | 11240980 | YSB | EU | 20121213 | 37.7 | -32.8 | Fos-sur-Mer | Milan Express |
| | 11730650 | YSB | EU | 20121215 | 40.0 | -45.0 | Fos-sur-Mer | Milan Express - Failed at dep. |

Operating drifting buoys in North Atlantic by the end of the month

| WMO | Telcom | Typ | Ow | nobs | Wi | AT | AP | dP | ST | Wa | Ws | Dr | Sb | U | SS | O | Start_end | Lat | Lon | Age |
|---------|----------|-----|----|------|----|----|----|----|----|----|----|----|----|---|----|---|-----------|-------|--------|-----|
| 2500615 | 13409520 | MIB | EU | 744 | - | - | X | X | - | - | - | X | - | - | - | T | 0112-3112 | 85.55 | -43.13 | 466 |
| 2500616 | 11549100 | MSB | EU | 743 | - | - | X | X | - | - | - | X | - | - | - | T | 0112-3112 | 85.08 | 136.09 | 114 |
| 2500617 | 11540100 | MSB | EU | 744 | - | - | X | X | - | - | - | X | - | - | - | T | 0112-3112 | 85.81 | 138.35 | 114 |
| 2500620 | 11541100 | MSB | EU | 743 | - | - | X | X | - | - | - | X | - | - | - | T | 0112-3112 | 84.82 | 120.67 | 133 |
| 2500622 | 11540110 | MSB | EU | 744 | - | - | X | X | - | - | - | X | - | - | - | T | 0112-3112 | 81.89 | 135.36 | 119 |
| 2600555 | 11545100 | MSB | EU | 744 | - | - | X | X | - | - | - | X | - | - | - | T | 0112-3112 | 86.34 | 15.90 | 105 |
| 2600556 | 11549080 | MSB | EU | 744 | - | - | X | X | - | - | - | X | - | - | - | T | 0112-3112 | 87.38 | -9.55 | 100 |
| 2600557 | 11544090 | MSB | EU | 744 | - | - | X | X | - | - | - | X | - | - | - | T | 0112-3112 | 87.07 | 2.43 | 102 |
| 4100637 | 13801460 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 22.40 | -48.82 | 702 |
| 4100638 | 10827640 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 14.20 | -55.11 | 644 |
| 4400549 | 11025170 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 56.99 | -41.75 | 330 |
| 4400551 | 11027150 | MSB | EU | 744 | - | - | X | X | - | - | - | X | - | - | - | T | 0112-3112 | 32.61 | -40.41 | 330 |
| 4400601 | 11565080 | MSB | UP | 655 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3012 | 44.76 | -44.46 | 91 |
| 4400603 | 11540410 | MSB | UP | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 51.26 | -37.80 | 92 |

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|---------|----------|-----|----|-----|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-------|--------|-----|
| 4400606 | 11687410 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 41.99 | -40.85 | 88 |
| 4400616 | 11813550 | MSB | EU | 192 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 53.73 | -28.15 | 344 |
| 4400620 | 11022170 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 37.07 | -21.68 | 329 |
| 4400622 | 11881820 | PSB | UP | 744 | - | - | X | X | - | - | X | - | - | - | - | T | 0112-3112 | 43.98 | -63.92 | 176 |
| 4400623 | 11167640 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 49.52 | -45.23 | 48 |
| 4400624 | 11341110 | YSB | EU | 461 | - | - | X | X | X | - | - | X | - | - | - | T | 1212-3112 | 51.09 | -50.91 | 21 |
| 4400626 | 11814550 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 44.73 | -18.64 | 270 |
| 4400627 | 11028170 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 47.55 | -20.91 | 270 |
| 4400629 | 11021160 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 45.91 | -22.89 | 270 |
| 4400630 | 13015830 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 43.09 | -23.52 | 215 |
| 4400685 | 12762900 | MSB | CA | 743 | - | - | X | X | X | - | - | X | - | - | - | O | 0112-3112 | 41.66 | -52.66 | 221 |
| 4400721 | 13805460 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 35.19 | -49.44 | 215 |
| 4400723 | 10825630 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 61.66 | -36.43 | 190 |
| 4400724 | 13300270 | MSB | EU | 743 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 55.50 | -39.02 | 191 |
| 4400725 | 11027170 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 49.26 | -22.00 | 192 |
| 4400726 | 11023190 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 47.99 | -25.25 | 191 |
| 4400727 | 11026170 | MSB | EU | 695 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 49.76 | -28.54 | 192 |
| 4400728 | 11020190 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 50.67 | -29.82 | 192 |
| 4400730 | 11846540 | MSB | E2 | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 50.00 | -54.35 | 169 |
| 4400740 | 11883820 | PSB | UP | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 33.89 | -52.47 | 177 |
| 4400741 | 11688230 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 38.13 | -40.47 | 101 |
| 4400744 | 13805450 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 36.32 | -33.71 | 390 |
| 4400745 | 13010870 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 48.81 | -9.34 | 390 |
| 4400746 | 13357510 | MSB | EU | 376 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 55.73 | -20.71 | 389 |
| 4400760 | 11880820 | PSB | UP | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 44.82 | -50.45 | 175 |
| 4400761 | 11883770 | PSB | UP | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 55.10 | -22.28 | 175 |
| 4400762 | 11244970 | YSB | EU | 317 | - | - | X | X | X | - | - | X | - | - | - | T | 1812-3112 | 42.18 | -50.53 | 16 |
| 4400767 | 11919510 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 39.81 | -26.44 | 340 |
| 4400768 | 11912520 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 43.94 | -13.76 | 341 |
| 4400772 | 11544410 | MSB | UP | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 54.95 | -48.87 | 166 |
| 4400774 | 11460700 | MSB | UP | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 51.19 | -50.44 | 167 |
| 4400775 | 11540170 | MSB | E2 | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 53.95 | -39.33 | 166 |
| 4400776 | 11844540 | MSB | E2 | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 52.05 | -22.59 | 165 |
| 4400777 | 11885820 | PSB | UP | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 51.93 | -36.60 | 163 |
| 4400778 | 11463700 | MSB | UP | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 46.26 | -32.39 | 164 |
| 4400779 | 11885820 | PSB | UP | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 51.52 | -39.78 | 164 |
| 4400780 | 11880840 | PSB | UP | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 52.90 | -39.17 | 164 |
| 4400835 | 89827 | TSB | UP | 746 | - | - | X | X | X | - | - | X | - | - | - | L | 0112-3112 | 79.96 | 9.50 | 840 |
| 4400844 | 37533 | TSB | UP | 745 | - | - | X | X | X | - | - | X | - | - | - | L | 0112-3112 | 29.87 | -16.74 | 613 |
| 4400864 | 13614150 | MSB | EU | 743 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 48.38 | -11.76 | 325 |
| 4400865 | 11022610 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 42.00 | -34.22 | 316 |
| 4400866 | 11020180 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 50.24 | -16.56 | 315 |
| 4400867 | 11022740 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 41.56 | -41.17 | 315 |
| 4400869 | 11026040 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 36.11 | -20.08 | 306 |
| 4400871 | 11025180 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 56.58 | -10.13 | 304 |
| 4400872 | 11027700 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 44.66 | -18.18 | 290 |
| 4400873 | 11022600 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 43.26 | -35.20 | 290 |
| 4400875 | 11021610 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 38.26 | -25.88 | 290 |
| 4400885 | 39086 | TSB | UP | 745 | - | - | X | X | X | - | - | X | - | - | - | L | 0112-3112 | 35.10 | -12.61 | 613 |
| 4800662 | 10822620 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 50.45 | -46.79 | 143 |
| 4800663 | 10822640 | MSB | EU | 743 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 52.55 | -47.70 | 143 |
| 6200511 | 11026160 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 36.31 | -14.54 | 301 |
| 6200518 | 11024270 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 35.90 | -10.30 | 328 |
| 6200520 | 13611180 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 33.72 | -14.81 | 328 |
| 6200521 | 11688060 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 48.62 | -25.79 | 103 |
| 6200522 | 11680430 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 48.03 | -13.80 | 102 |
| 6200531 | 11548410 | MSB | UP | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 53.44 | -30.88 | 82 |
| 6200532 | 11566230 | MSB | UP | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 58.75 | -21.24 | 81 |
| 6200554 | 11027160 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 36.44 | -19.63 | 300 |
| 6200555 | 11023170 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 39.52 | -10.94 | 301 |
| 6200556 | 11021170 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 35.11 | -19.39 | 300 |
| 6200557 | 11028160 | MSB | EU | 745 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 46.14 | -13.79 | 217 |
| 6200677 | 11022050 | MSB | EU | 241 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 30.30 | -16.31 | 327 |
| 6200678 | 11029050 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 60.12 | -22.28 | 317 |
| 6200680 | 11166640 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 57.17 | -29.89 | 45 |
| 6200681 | 11168640 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 60.11 | -33.42 | 46 |
| 6200684 | 11882820 | PSB | UP | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 60.78 | -8.27 | 172 |
| 6200685 | 11461700 | MSB | UP | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 56.03 | -27.69 | 173 |
| 6200686 | 11845450 | MSB | E2 | 744 | - | - | X | X | - | - | X | - | - | - | - | T | 0112-3112 | 62.52 | -30.59 | 171 |
| 6200687 | 11349100 | YSB | EU | 514 | - | - | X | X | X | - | - | X | - | - | - | T | 1012-3112 | 56.85 | -18.12 | 25 |
| 6200688 | 11248950 | YSB | EU | 513 | - | - | X | X | X | - | - | X | - | - | - | T | 1012-3112 | 56.42 | -30.09 | 24 |
| 6200696 | 11917510 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 41.10 | -12.55 | 342 |
| 6200697 | 11020160 | MSB | EU | 742 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 36.14 | -17.14 | 334 |
| 6200711 | 11345100 | YSB | EU | 464 | - | - | X | X | X | - | - | X | - | - | - | T | 1212-3112 | 38.56 | -19.23 | 19 |
| 6200713 | 11246980 | YSB | EU | 439 | - | - | X | X | X | - | - | X | - | - | - | T | 1312-3112 | 37.78 | -21.57 | 20 |
| 6200714 | 11240980 | YSB | EU | 411 | - | - | X | X | X | - | - | X | - | - | - | T | 1412-3112 | 36.44 | -33.03 | 17 |

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|---------|----------|-----|----|-----|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-------|--------|-----|
| 6200722 | 37773 | TSB | UP | 744 | - | - | X | X | X | - | - | X | - | - | - | L | 0112-3112 | 23.11 | -49.18 | 797 |
| 6200724 | 39074 | TSB | UP | 745 | - | - | X | X | X | - | - | X | - | - | - | L | 0112-3112 | 28.03 | -35.10 | 611 |
| 6300551 | 11547410 | MSB | UP | 743 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 74.78 | 31.84 | 160 |
| 6300552 | 11548400 | MSB | UP | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 75.91 | 15.81 | 159 |
| 6300553 | 11549400 | MSB | UP | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 72.13 | 24.84 | 159 |
| 6300554 | 11549410 | MSB | UP | 743 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 71.68 | 35.80 | 159 |
| 6300635 | 11477140 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 68.51 | 2.98 | 82 |
| 6300638 | 11478130 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 68.13 | -1.79 | 53 |
| 6300639 | 11471050 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 70.60 | 16.07 | 53 |
| 6300642 | 11548080 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 75.39 | 7.75 | 197 |
| 6300645 | 11546070 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 73.46 | -2.82 | 196 |
| 6400516 | 11473100 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 65.37 | 4.51 | 83 |
| 6400518 | 11472110 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 66.55 | -6.01 | 83 |
| 6400522 | 11029150 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 56.80 | -41.95 | 329 |
| 6400523 | 11757730 | MSB | UP | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 64.50 | 5.47 | 217 |
| 6400524 | 10825640 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 64.23 | -30.02 | 190 |
| 6400525 | 10824120 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 58.47 | -46.03 | 190 |
| 6400527 | 11549160 | MSB | UP | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 64.86 | -28.06 | 110 |
| 6400606 | 11478100 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 64.08 | -0.06 | 54 |
| 6400607 | 11479100 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 65.80 | -2.38 | 54 |
| 6400620 | 11756730 | MSB | UP | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 61.88 | -28.59 | 214 |
| 6400621 | 11545440 | MSB | UP | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 63.18 | -20.83 | 32 |
| 6400622 | 11886820 | PSB | UP | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 64.64 | -57.39 | 161 |
| 6500591 | 11887820 | PSB | UP | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 64.67 | -34.36 | 162 |
| 6500592 | 11164650 | MSB | EU | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 55.47 | -37.68 | 46 |

----- Drifting buoys which ceased to be operational

| WMO | Telcom | Typ | Ow | End_Date | Lat | Lon | Age | Cause |
|---------|----------|-----|----|----------|------|-------|-----|-------------------------------------|
| 4400615 | 11023600 | MSB | EU | 20121231 | 52.9 | -9.4 | 344 | Ashore in Ireland |
| 4400686 | 12469250 | MSB | CA | 20121205 | 43.4 | -66.0 | 194 | Ashore in Nova Scotia |
| 4400687 | 12294040 | MSB | CA | 20121211 | 43.9 | -45.9 | 219 | AP measurements failed |
| 4400625 | 11502100 | MSB | EU | 20121226 | 54.2 | -10.1 | 326 | Ashore in Ireland. Probably damaged |
| 4400739 | 11023610 | MSB | EU | 20121226 | 37.1 | -46.3 | 326 | AP measurements failed |
| 6200682 | 11541080 | MSB | EU | 20121207 | 50.3 | -15.1 | 153 | Unknown |
| 6200683 | 11541170 | MSB | E2 | 20121223 | 51.9 | -12.4 | 167 | Unknown |
| 6200689 | 11240960 | YSB | EU | 20121227 | 55.5 | -33.3 | 20 | Unknown |
| 6200690 | 11249950 | YSB | EU | 20121215 | 55.6 | -35.8 | 7 | Unknown |
| 6300643 | 11540080 | MSB | EU | 20121221 | 78.1 | 4.2 | 186 | Unknown |
| 6400517 | 11472030 | MSB | EU | 20121222 | 64.7 | -5.1 | 74 | Unknown |
| 6400526 | 11932580 | MSB | UP | 20121224 | 62.3 | -6.5 | 108 | Ashore in Faeroe Islands |

----- Non-operating drifting buoys reporting GTS data

| WMO | Telcom | Typ | Ow | nobs | Wi | AT | AP | dP | ST | Wa | Ws | Dr | Sb | U | SS | O | Start_end | Lat | Lon | Age |
|---------|----------|-----|----|------|----|----|----|----|----|----|----|----|----|---|----|---|-----------|-------|--------|-----|
| 4400687 | 12294040 | MSB | CA | 743 | - | - | S | S | X | - | - | X | - | - | - | O | 0112-3112 | 43.86 | -45.92 | 219 |
| 4400739 | 11023610 | MSB | EU | 744 | - | - | S | S | X | - | - | X | - | - | - | T | 0112-3112 | 37.12 | -46.31 | 326 |

----- Other operating drifting buoys into the EUCOS area of interest by the end of the month

| WMO | Telcom | Typ | Ow | nobs | Wi | AT | AP | dP | ST | Wa | Ws | Dr | Sb | U | SS | O | Start_end | Lat | Lon |
|---------|----------|------|----|------|----|----|----|----|----|----|----|----|----|---|----|---|-----------|-------|--------|
| 1300527 | 44092 | AOML | | 651 | - | - | X | X | - | - | - | X | - | - | - | L | 0112-3112 | 26.52 | -28.59 |
| 1300569 | 71026 | AOML | | 744 | - | - | X | X | X | - | - | - | - | - | - | L | 0112-3112 | 35.32 | -49.00 |
| 1300570 | 40180 | AOML | | 744 | - | - | X | X | X | - | - | X | - | - | - | L | 0112-3112 | 30.09 | -28.52 |
| 1300577 | 114638 | LODY | | 1367 | - | - | X | - | X | - | - | X | - | - | X | T | 0112-3112 | 25.45 | -36.27 |
| 1300600 | 43869 | AOML | | 740 | - | - | X | X | S | - | - | X | - | - | - | L | 0112-3112 | 29.64 | -28.24 |
| 1300621 | 44096 | AOML | | 649 | - | - | X | X | X | - | - | X | - | - | - | L | 0112-3112 | 22.99 | -48.05 |
| 1300635 | 44115 | AOML | | 652 | - | - | X | X | X | - | - | X | - | - | - | L | 0112-3112 | 24.87 | -56.39 |
| 1300659 | 11910180 | UKMO | | 744 | - | - | X | X | - | - | - | X | - | - | - | T | 0112-3112 | 31.74 | -16.89 |
| 1300660 | 11022040 | UKMO | | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 27.05 | -22.86 |
| 1300661 | 11912280 | UKMO | | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 26.57 | -23.64 |
| 3100723 | 109459 | LODY | | 1439 | - | - | X | - | S | - | - | X | - | - | S | T | 0112-3112 | 13.19 | -51.04 |
| 3100726 | 36482 | LODY | | 1643 | - | - | X | - | S | - | - | X | - | - | S | T | 0112-3112 | 7.88 | -46.80 |
| 3100739 | 11544480 | CMM | | 699 | - | - | X | X | X | - | - | X | - | - | X | T | 0312-3112 | 11.67 | -46.81 |

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|---------|----------|------|------|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-------|--------|
| 3100740 | 11976470 | CMM | 664 | - | - | X | X | X | - | - | X | - | - | X | T | 0312-3112 | 6.52 | -46.74 |
| 4100597 | 11542410 | CMM | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 21.61 | -50.33 |
| 4100598 | 11545410 | CMM | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 13.76 | -57.37 |
| 4100599 | 11546410 | CMM | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 11.05 | -34.91 |
| 4100600 | 11562040 | CMM | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 23.52 | -37.78 |
| 4100601 | 11567080 | CMM | 650 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 19.56 | -45.15 |
| 4100612 | 123247 | AOML | 176 | - | - | X | X | X | - | - | X | - | - | - | L | 2412-3112 | 36.71 | -61.41 |
| 4100616 | 101618 | AOML | 744 | - | - | X | X | X | - | - | X | - | - | - | L | 0112-3112 | 39.76 | -64.47 |
| 4100633 | 114634 | LODY | 1427 | - | - | X | - | X | - | - | X | - | - | X | T | 0112-3112 | 25.11 | -40.94 |
| 4100634 | 114632 | LODY | 1445 | - | - | X | - | X | - | - | X | - | - | X | T | 0112-3112 | 25.42 | -40.29 |
| 4100635 | 11544420 | CMM | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 15.85 | -54.51 |
| 4100636 | 11568080 | CMM | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 15.11 | -54.76 |
| 4100676 | 104127 | AOML | 743 | - | - | X | X | X | - | - | X | - | - | - | L | 0112-3112 | 30.59 | -26.31 |
| 4100695 | 12724770 | CMM | 739 | - | - | X | X | X | - | - | - | - | - | - | T | 0112-3112 | 48.49 | -26.33 |
| 4100733 | 36606 | LODY | 1444 | - | - | X | - | X | - | - | X | - | - | X | T | 0112-3112 | 21.32 | -48.45 |
| 4100734 | 36609 | LODY | 1459 | - | - | X | - | X | - | - | X | - | - | X | T | 0112-3112 | 20.44 | -65.94 |
| 4100735 | 10729990 | CMM | 745 | - | - | X | X | X | - | - | X | - | - | X | T | 0112-3112 | 24.72 | -63.27 |
| 4100736 | 11129760 | CMM | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 27.45 | -65.61 |
| 4100738 | 11919170 | UKMO | 744 | - | - | X | X | X | - | - | X | - | - | - | T | 0112-3112 | 25.11 | -50.73 |
| 4100739 | 11912120 | UKMO | 744 | - | - | X | X | - | - | - | X | - | - | - | T | 0112-3112 | 22.92 | -63.13 |
| 4100924 | 39190 | AOML | 744 | - | - | X | X | X | - | - | X | - | - | - | L | 0112-3112 | 35.17 | -36.58 |
| 4100945 | 93003 | AOML | 665 | - | - | X | X | X | - | - | X | - | - | - | L | 0112-3112 | 27.58 | -68.47 |
| 4100960 | 93006 | AOML | 687 | - | - | X | - | X | - | - | X | - | - | - | L | 0112-3112 | 42.11 | -31.30 |
| 4300534 | 114642 | AOML | 2793 | - | - | X | - | X | - | - | X | - | - | - | L | 0112-3112 | 41.81 | -45.72 |
| 4400837 | 101617 | AOML | 734 | - | - | X | X | X | - | - | X | - | - | - | L | 0112-3112 | 28.30 | -63.47 |
| 4400838 | 101616 | AOML | 745 | - | - | X | X | X | - | - | X | - | - | - | L | 0112-3112 | 36.51 | -59.96 |
| 4400839 | 101615 | AOML | 744 | - | - | X | X | - | - | - | X | - | - | - | L | 0112-3112 | 29.24 | -54.06 |
| 6100689 | 11248940 | MARL | 417 | - | - | X | X | S | - | - | X | - | - | - | T | 1412-3112 | 43.77 | 31.64 |
| 6100690 | 11249940 | MARL | 412 | - | - | X | X | X | - | - | X | - | - | - | T | 1412-3112 | 43.35 | 29.39 |
| 6100787 | 73224 | AOML | 1314 | - | - | X | X | X | - | - | X | - | - | X | T | 0112-3112 | 41.02 | 5.64 |
| 6100788 | 99715 | IFRE | 743 | - | - | X | X | X | - | - | X | - | - | X | T | 0112-3112 | 42.05 | 6.15 |
| 6200502 | 11758720 | CMM | 744 | - | - | X | X | X | - | - | X | - | - | X | T | 0112-3112 | 43.43 | -20.29 |
| 6200503 | 11758700 | CMM | 743 | - | - | X | X | X | - | - | X | - | - | X | T | 0112-3112 | 48.48 | -11.01 |
| 6200505 | 11120780 | CMM | 744 | - | - | X | X | X | - | - | X | - | - | X | T | 0112-3112 | 39.28 | -16.08 |
| 6200513 | 11127760 | CMM | 738 | - | - | X | X | X | - | - | X | - | - | X | T | 0112-3112 | 37.81 | -15.14 |

----- Abbreviations -----

WMO : WMO id.
 Argos : Argos id.
 Typ : Buoy type
 - first character : Manufacturer (C = ConMar , M = Metocean, P = Pacific Gyre
 T = Technocean, Y = Marlin-Yug...)
 - second character : Main type (F = FGGE, I = ICEB, S = SVP)
 - third character : Sub type (B = barometer buoy, W = Wind buoy,
 S = Salinity buoy)

Ow : Buoy owner (country code or EU for EUCOS, E2 for HRSST-2 buoys, UP for upgraded buoys)
 Owner : Buoy owner for non EUCOS buoys
 Nobs : number of GTS reports received at Meteo-France
 Parameters (X = OK, S = stopped, - = not measured) :
 Wi : Wind
 AT : Air Temperature
 AP : Air Pressure
 dP : Air pressure tendency
 ST : Sea surface Temperature
 Wa : Wave period and height
 Ws : Wave spectra
 Dr : Drogue presence
 Sb : Subsurface temperature
 U : Relative humidity
 SS : Sea surface Salinity

O : Origin of the reports (T = Argos Toulouse, L = Argos Largo, O = Other)
 Start_end : first and last dates of the month for which GTS data were received at Meteo-France
 Lat : Latitude of the latest position
 Lon : Longitude of the latest position
 Age : Age of the buoy (days)

DepDate : Date of deployment
 DepLat : Latitude of deployment

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Dep Lon : Longitude of Deployment
From : Harbour of departure

Definition : An operating drifting buoy is a buoy providing at least air pressure or wind (direction and velocity) data.

----- MOORED BUOYS -----

Contrarily to what was written in the monthly report of November, SST and wave data from Italian moored buoys have been received from GTS again since the 21st of November indeed. At the opposite, no data have been received from Greek moored buoys since the 1st of July 2012. It seems the economic crisis avoid to maintain the network.

The GTS transmission for Spanish moored buoys disrupted again on 1-4 December, then on 6-8 December. This explains why 589 observations were received at most instead of 744 expected.

Operating EGOS moored buoys (K-pattern)

| WMO | Name | nobs | Wi | AT | AP | dP | ST | Wa | Ws | Dr | Sb | U | SS | O | Start_end | Lat | Lon |
|----------------|-------------|------------|----------|----------|----------|----------|----------|----------|----------|----|----|----------|----|----------|------------------|--------------|---------------|
| 6100001 | Cote d'Azur | 736 | X | X | X | X | X | X | X | - | - | X | - | T | 0112-3112 | 43.40 | 7.80 |
| 6100002 | Lion | 726 | X | S | X | X | - | X | X | - | - | S | - | T | 0112-3112 | 42.10 | 4.70 |
| 6200001 | Gascogne | 731 | X | X | X | X | X | X | - | - | - | X | - | O | 0112-3112 | 45.30 | -5.00 |
| 6200029 | K1 | 731 | X | X | X | X | X | X | - | - | - | X | - | O | 0112-3112 | 48.70 | -12.50 |
| 6200081 | K2 | - | - | - | - | - | - | - | - | - | - | - | - | - | | 51.00 | -13.20 |
| 6200090 | M1 | - | - | - | - | - | - | - | - | - | - | - | - | - | | 53.10 | -11.20 |
| 6200091 | M2 | 626 | S | S | S | - | S | S | - | - | - | S | S | | 0112-2712 | 53.50 | -5.40 |
| 6200092 | M3 | 741 | X | X | X | - | X | X | - | - | - | X | X | O | 0112-3112 | 51.20 | -10.50 |
| 6200093 | M4 | 742 | X | X | X | - | X | - | - | - | - | X | X | O | 0112-3112 | 54.70 | -9.10 |
| 6200094 | M5 | 741 | X | X | X | - | X | X | - | - | - | X | - | O | 0112-3112 | 51.70 | -6.70 |
| 6200095 | M6 | 687 | X | X | X | X | X | X | - | - | - | X | - | O | 0112-3112 | 53.10 | -15.90 |
| 6200105 | K4 | 730 | X | X | X | X | X | X | - | - | - | X | - | O | 0112-3112 | 55.80 | -11.40 |
| 6200108 | K3 | - | - | - | - | - | - | - | - | - | - | - | - | - | | 53.50 | -19.50 |
| 6200163 | Brittany | 597 | X | X | X | X | X | X | - | - | - | X | - | O | 0112-3112 | 47.50 | -8.40 |
| 6400045 | K5 | 728 | X | X | X | X | X | X | - | - | - | X | - | O | 0112-3112 | 59.10 | -11.70 |
| 6400046 | K7 | - | - | - | - | - | - | - | - | - | - | - | - | - | | 60.70 | -5.20 |

Comments:

- EUCOS moored buoys are presented in bold characters.

----- Operating EGOS moored buoys (Spanish SeaWatch and WaveScan)

| WMO | Name | nobs | Wi | AT | AP | dP | ST | Wa | Ws | Dr | Sb | U | SS | O | Start_end | Lat | Lon |
|---------|--------------|------|----|----|----|----|----|----|----|----|----|---|----|---|-----------|-------|--------|
| 1300130 | Gran Canaria | 518 | - | X | X | - | X | X | - | - | - | - | - | O | 0412-3112 | 28.18 | -15.82 |
| 1300131 | Tenerife Sur | - | - | - | - | - | - | - | - | - | - | - | - | - | | 28.00 | -16.58 |
| 6100196 | C. Begur | 476 | X | X | X | - | - | X | - | - | - | - | - | O | 0412-3112 | 41.92 | 3.65 |

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|----------------|--------------------|------------|----------|----------|----------|---|----------|----------|---|---|---|---|----------|----------|------------------|--------------|--------------|
| 6100197 | Mahon | 472 | X | X | X | - | - | X | - | - | - | - | - | O | 1212-3112 | 39.72 | 4.42 |
| 6100198 | C. de Gata | 588 | X | X | X | - | S | X | - | - | - | - | S | O | 0412-3112 | 36.57 | -2.33 |
| 6100280 | Tarragona | 581 | X | X | X | - | X | X | - | - | - | - | X | O | 0412-3112 | 40.77 | 1.47 |
| 6100281 | Valencia | 588 | X | X | X | - | X | X | - | - | - | - | X | O | 0412-3112 | 39.47 | -0.27 |
| 6100417 | C. de Palos | 568 | X | X | X | - | X | X | - | - | - | - | X | O | 0412-3112 | 37.65 | -0.32 |
| 6100430 | Dragonera | 584 | X | X | X | - | X | X | - | - | - | - | - | O | 0412-3112 | 39.56 | 2.11 |
| 6200024 | Bilbao-Visc. | 267 | S | S | S | - | S | S | - | - | - | - | S | | 0412-1812 | 43.63 | -3.03 |
| 6200025 | C. de Penas | 589 | X | X | X | - | X | X | - | - | - | - | X | O | 0412-3112 | 43.73 | -6.17 |
| 6200082 | E. de Bares | - | - | - | - | - | - | - | - | - | - | - | - | | | 44.13 | -7.69 |
| 6200083 | Villano-Sis. | 593 | - | X | X | - | X | X | - | - | - | - | X | O | 0412-3112 | 43.48 | -9.22 |
| 6200084 | C. Silleiro | 589 | X | X | X | - | X | X | - | - | - | - | X | O | 0412-3112 | 42.12 | -9.43 |
| 6200085 | G. de Cadiz | 589 | X | X | X | - | X | X | - | - | - | - | X | O | 0412-3112 | 36.48 | -6.97 |
| 0 | Santander | - | - | - | - | - | - | - | - | - | - | - | - | | | 43.84 | -3.77 |

Comments:

- The EUCOS buoy is presented in bold characters.

Operating ISPRA moored buoys (Italy)

| WMO | Name | nobs | Wi | AT | AP | dP | ST | Wa | Ws | Dr | Sb | U | SS | O | Start_end | Lat | Lon |
|---------|------|------|----|----|----|----|----|----|----|----|----|---|----|---|-----------|-------|-------|
| 6100207 | | 875 | - | - | - | - | X | X | - | - | - | - | - | O | 0112-3112 | 37.44 | 15.15 |
| 6100208 | | 334 | - | - | - | - | S | S | - | - | - | - | - | | 0112-0912 | 37.52 | 12.53 |
| 6100209 | | - | - | - | - | - | - | - | - | - | - | - | - | | | 38.26 | 13.33 |
| 6100210 | | 434 | - | - | - | - | S | S | - | - | - | - | - | | 0112-1012 | 39.02 | 17.22 |
| 6100211 | | 1484 | - | - | - | - | X | X | - | - | - | - | - | O | 0112-3112 | 39.45 | 15.92 |
| 6100212 | | - | - | - | - | - | - | - | - | - | - | - | - | | | 40.62 | 9.89 |
| 6100213 | | - | - | - | - | - | - | - | - | - | - | - | - | | | 40.55 | 8.11 |
| 6100214 | | - | - | - | - | - | - | - | - | - | - | - | - | | | 40.87 | 12.95 |
| 6100215 | | 1344 | - | - | - | - | X | X | - | - | - | - | - | O | 0112-2912 | 40.98 | 17.38 |
| 6100216 | | - | - | - | - | - | - | - | - | - | - | - | - | | | 42.24 | 11.55 |
| 6100218 | | 1369 | - | - | - | - | X | X | - | - | - | - | - | O | 0112-3112 | 43.83 | 13.72 |
| 6100219 | | 1462 | - | - | - | - | X | X | - | - | - | - | - | O | 0112-3112 | 43.93 | 9.83 |
| 6100220 | | 1476 | - | - | - | - | X | X | - | - | - | - | - | O | 0112-3112 | 45.33 | 12.52 |
| 6100221 | | 1468 | - | - | - | - | X | X | - | - | - | - | - | O | 0112-3112 | 39.12 | 9.40 |

Operating POSEIDON moored buoys (Greece)

| WMO | Name | nobs | Wi | AT | AP | dP | ST | Wa | Ws | Dr | Sb | U | SS | O | Start_end | Lat | Lon |
|---------|------|------|----|----|----|----|----|----|----|----|----|---|----|---|-----------|-------|-------|
| 6101000 | | - | - | - | - | - | - | - | - | - | - | - | - | | | 39.10 | 24.50 |
| 6101001 | | - | - | - | - | - | - | - | - | - | - | - | - | | | 37.60 | 23.60 |
| 6101002 | | - | - | - | - | - | - | - | - | - | - | - | - | | | 27.00 | 22.10 |
| 6101003 | | - | - | - | - | - | - | - | - | - | - | - | - | | | 40.00 | 24.70 |
| 6101004 | | - | - | - | - | - | - | - | - | - | - | - | - | | | 39.10 | 25.80 |
| 6101005 | | - | - | - | - | - | - | - | - | - | - | - | - | | | 37.50 | 25.50 |
| 6101006 | | - | - | - | - | - | - | - | - | - | - | - | - | | | 36.30 | 25.50 |
| 6101007 | | - | - | - | - | - | - | - | - | - | - | - | - | | | 35.80 | 24.90 |
| 6101008 | | - | - | - | - | - | - | - | - | - | - | - | - | | | 36.80 | 21.60 |
| 6101009 | | - | - | - | - | - | - | - | - | - | - | - | - | | | 38.00 | 20.60 |

Other European moored buoys

| WMO | Name | nobs | Wi | AT | AP | dP | ST | Wa | Ws | Dr | Sb | U | SS | O | Start_end | Lat | Lon |
|---------|-----------------|------|----|----|----|----|----|----|----|----|----|---|----|---|-----------|-------|--------|
| 6100010 | Italia-1 | - | - | - | - | - | - | - | - | - | - | - | - | | | 43.80 | 9.10 |
| 6200052 | Ushant | - | - | - | - | - | - | - | - | - | - | - | - | | | 48.50 | -5.80 |
| 6200442 | PAP | - | - | - | - | - | - | - | - | - | - | - | - | | | 49.00 | -16.40 |
| 6600021 | Arkona Becken | 617 | X | X | - | - | X | X | - | - | - | - | - | O | 0412-3112 | 54.90 | 13.90 |
| 6600022 | Oder Bank | 303 | S | S | - | - | S | - | - | - | - | - | - | | 0412-1912 | 54.10 | 14.20 |
| 6600024 | Darsser Schwell | - | - | - | - | - | - | - | - | - | - | - | - | | | 54.70 | 12.70 |

Offshore moored buoys in the western part of the EUCOS area

| WMO | Name | nobs | Wi | AT | AP | dP | ST | Wa | Ws | Dr | Sb | U | SS | O | Start_end | Lat | Lon |
|-----|------|------|----|----|----|----|----|----|----|----|----|---|----|---|-----------|-----|-----|
|-----|------|------|----|----|----|----|----|----|----|----|----|---|----|---|-----------|-----|-----|

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|---------|---------------|-----|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------|--------|
| 1300308 | East Atlantic | - | - | - | - | - | - | - | - | - | - | - | - | - | 15.00 | -38.00 | |
| 4100026 | | 364 | X | X | - | - | X | - | - | - | - | X | - | L | 0112-3112 | 11.49 | -38.40 |
| 4100040 | West Atlantic | 736 | X | X | X | X | X | X | - | - | - | X | - | O | 0112-3112 | 14.50 | -53.00 |
| 4100041 | Mid. Atlantic | 730 | X | X | X | X | X | X | - | - | - | - | - | O | 0112-3112 | 14.50 | -46.00 |
| 4100043 | Porto Rico | 732 | X | X | X | X | X | X | - | - | - | X | - | O | 0112-3112 | 21.00 | -65.00 |
| 4100044 | | 744 | X | X | X | X | X | X | - | - | - | X | - | O | 0112-3112 | 21.70 | -58.70 |
| 4100046 | | 739 | X | X | X | X | X | X | - | - | - | X | - | O | 0112-3112 | 23.90 | -70.90 |
| 4100047 | | - | - | - | - | - | - | - | - | - | - | - | - | - | 27.50 | -71.50 | |
| 4100048 | | 735 | X | X | X | X | X | X | - | - | - | X | - | O | 0112-3112 | 32.00 | -69.60 |
| 4100049 | | 743 | X | X | X | X | X | X | - | - | - | X | - | O | 0112-3112 | 27.50 | -53.00 |
| 4100139 | | 401 | X | X | X | - | X | - | - | - | - | X | - | L | 0112-3112 | 20.02 | -37.86 |
| 4100300 | Antilles | 324 | X | X | X | X | X | X | - | - | - | X | - | O | 1712-3112 | 15.85 | -57.47 |
| 4200059 | Caraibes | 744 | X | X | X | X | X | X | - | - | - | - | - | O | 0112-3112 | 15.00 | -67.50 |
| 4400008 | A Nantucket | 740 | S | X | X | X | X | X | - | - | - | - | - | O | 0112-3112 | 40.50 | -69.40 |
| 4400011 | D Georges Bk | 742 | - | X | X | X | X | X | - | - | - | - | - | O | 0112-3112 | 41.10 | -66.60 |
| 4400018 | SE Cape Cod | - | - | - | - | - | - | - | - | - | - | - | - | - | 41.30 | -69.30 | |
| 4400024 | NNE Channel | 726 | X | X | X | S | X | X | - | - | - | - | - | O | 0112-3112 | 42.30 | -65.90 |
| 4400137 | E Scotia Sl. | 716 | X | X | X | X | X | X | - | - | - | - | - | O | 0112-3112 | 42.30 | -62.00 |
| 4400138 | SW Gd Banks | - | - | - | - | - | - | - | - | - | - | - | - | - | 44.30 | -53.60 | |
| 4400139 | Beanquereau | 734 | X | X | X | X | X | X | - | - | - | - | - | O | 0112-3112 | 44.30 | -57.10 |
| 4400140 | Tail of Bk | - | - | - | - | - | - | - | - | - | - | - | - | - | 43.80 | -51.70 | |
| 4400141 | Larentian F | - | - | - | - | - | - | - | - | - | - | - | - | - | 43.00 | -58.00 | |
| 4400150 | La Have Bk | 735 | X | X | X | X | X | X | - | - | - | - | - | O | 0112-3112 | 42.50 | -64.00 |

Buoy-QC statistics from Meteo-France model outputs

Datend : Date of the last value received on GTS

Recvd : Total number of values received on GTS

GE : Number of Gross Errors (excluded from bias and sd computations)

bias : Mean differences between observation values and co-located model output values

Std : Standard deviation of differences

Air Pressure (hPa), drifting buoys, December 2012

| Datend | WMO | Telcom | Recvd | GE | Bias | Std |
|-----------------|----------------|-----------------|------------|-----------|-------------|------------|
| 20121231 | 2500615 | 13409520 | 744 | 0 | -0.5 | 0.5 |
| 20121231 | 2500616 | 11549100 | 743 | 0 | 0.1 | 0.5 |
| 20121231 | 2500617 | 11540100 | 744 | 0 | 0.0 | 0.6 |
| 20121231 | 2500620 | 11541100 | 743 | 0 | -0.1 | 0.6 |
| 20121231 | 2500622 | 11540110 | 744 | 0 | -0.1 | 0.6 |
| 20121231 | 2600555 | 11545100 | 744 | 0 | -0.1 | 0.7 |
| 20121231 | 2600556 | 11549080 | 744 | 0 | 0.0 | 0.6 |
| 20121231 | 2600557 | 11544090 | 744 | 0 | -0.1 | 0.7 |
| 20121231 | 4100597 | 12058610 | 744 | 0 | -0.1 | 0.6 |
| 20121231 | 4100598 | 13207690 | 744 | 0 | -0.2 | 0.7 |
| 20121231 | 4100599 | 13016830 | 744 | 0 | 0.0 | 0.4 |
| 20121231 | 4100600 | 12776720 | 744 | 0 | -0.2 | 0.4 |
| 20121231 | 4100601 | 13800460 | 650 | 0 | -0.2 | 0.5 |
| 20121231 | 4100637 | 13801460 | 744 | 0 | -0.1 | 0.5 |
| 20121231 | 4100638 | 10827640 | 744 | 0 | -0.1 | 0.7 |
| 20121231 | 4400549 | 11025170 | 744 | 0 | 0.3 | 0.8 |
| 20121231 | 4400551 | 11027150 | 744 | 2 | -0.4 | 0.7 |
| 20121230 | 4400601 | 11565080 | 655 | 0 | -0.2 | 0.5 |
| 20121231 | 4400603 | 11540410 | 504 | 31 | 0.6 | 2.8 |
| 20121231 | 4400606 | 11687410 | 744 | 0 | -0.3 | 0.6 |
| 20121231 | 4400615 | 11023600 | 725 | 11 | -0.2 | 1.1 |
| 20121231 | 4400616 | 11813550 | 192 | 0 | 0.1 | 0.5 |
| 20121231 | 4400620 | 11022170 | 744 | 0 | -0.3 | 0.9 |
| 20121231 | 4400622 | 11881820 | 744 | 1 | 0.2 | 0.8 |
| 20121231 | 4400623 | 11167640 | 744 | 0 | 0.7 | 0.9 |
| 20121231 | 4400624 | 11341110 | 461 | 0 | 0.3 | 0.6 |

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|-----------------|----------------|-----------------|------------|------------|-------------|------------|
| 20121226 | 4400625 | 11502100 | 617 | 0 | 0.1 | 0.6 |
| 20121231 | 4400626 | 11814550 | 744 | 6 | 0.1 | 1.4 |
| 20121231 | 4400627 | 11028170 | 528 | 50 | -0.3 | 2.9 |
| 20121231 | 4400629 | 11021160 | 744 | 61 | -0.6 | 2.4 |
| 20121231 | 4400630 | 13015830 | 744 | 0 | -0.2 | 0.6 |
| 20121231 | 4400685 | 12762900 | 743 | 8 | 0.1 | 2.0 |
| 20121205 | 4400686 | 12469250 | 111 | 102 | 0.7 | 4.8 |
| 20121211 | 4400687 | 12294040 | 254 | 48 | -0.8 | 3.6 |
| 20121231 | 4400721 | 13805460 | 744 | 0 | -0.0 | 0.5 |
| 20121231 | 4400723 | 10825630 | 744 | 0 | 0.4 | 0.6 |
| 20121231 | 4400724 | 13300270 | 743 | 0 | -0.3 | 0.7 |
| 20121231 | 4400725 | 11027170 | 744 | 0 | -0.2 | 0.8 |
| 20121231 | 4400726 | 11023190 | 744 | 0 | -0.4 | 0.8 |
| 20121231 | 4400727 | 11026170 | 538 | 3 | -0.1 | 0.8 |
| 20121231 | 4400728 | 11020190 | 576 | 45 | -0.2 | 0.9 |
| 20121231 | 4400730 | 11846540 | 106 | 0 | -0.1 | 0.7 |
| 20121226 | 4400739 | 11023610 | 614 | 143 | 0.2 | 1.0 |
| 20121231 | 4400740 | 11883820 | 744 | 0 | -0.0 | 0.6 |
| 20121231 | 4400741 | 11688230 | 744 | 0 | -0.2 | 0.5 |
| 20121231 | 4400744 | 13805450 | 744 | 0 | -0.1 | 1.0 |
| 20121231 | 4400745 | 13010870 | 675 | 0 | -0.3 | 0.4 |
| 20121231 | 4400746 | 13357510 | 376 | 0 | -0.1 | 0.5 |
| 20121231 | 4400760 | 11880820 | 744 | 0 | 0.2 | 0.6 |
| 20121231 | 4400761 | 11883770 | 744 | 0 | -0.0 | 0.6 |
| 20121231 | 4400762 | 11244970 | 317 | 0 | 0.1 | 0.7 |
| 20121231 | 4400767 | 11919510 | 744 | 28 | -0.0 | 1.1 |
| 20121231 | 4400768 | 11912520 | 744 | 0 | 0.2 | 0.6 |
| 20121231 | 4400772 | 11544410 | 744 | 18 | -0.3 | 1.3 |
| 20121231 | 4400774 | 11460700 | 744 | 7 | 0.1 | 1.2 |
| 20121231 | 4400775 | 11540170 | 744 | 0 | -0.3 | 0.7 |
| 20121231 | 4400776 | 11844540 | 744 | 0 | -0.2 | 0.8 |
| 20121231 | 4400777 | 11885820 | 744 | 0 | 0.0 | 0.7 |
| 20121231 | 4400778 | 11463700 | 744 | 0 | -0.3 | 0.9 |
| 20121231 | 4400779 | 11885820 | 744 | 0 | -0.1 | 0.6 |
| 20121231 | 4400780 | 11880840 | 744 | 0 | 0.1 | 0.6 |
| 20121231 | 4400835 | 83420 | 746 | 1 | 0.1 | 1.7 |
| 20121231 | 4400844 | 37533 | 745 | 1 | 0.1 | 0.5 |
| 20121231 | 4400864 | 13614150 | 743 | 0 | 0.0 | 0.5 |
| 20121231 | 4400865 | 11022610 | 744 | 0 | 0.1 | 0.9 |
| 20121231 | 4400866 | 11020180 | 744 | 0 | -0.0 | 0.8 |
| 20121231 | 4400867 | 11022740 | 744 | 9 | 0.0 | 2.0 |
| 20121231 | 4400869 | 11026040 | 744 | 0 | -0.0 | 0.4 |
| 20121231 | 4400871 | 11025180 | 744 | 0 | -0.3 | 0.9 |
| 20121231 | 4400872 | 11027700 | 744 | 0 | 0.3 | 0.5 |
| 20121231 | 4400873 | 11022600 | 744 | 34 | 0.1 | 1.7 |
| 20121231 | 4400875 | 11021610 | 744 | 0 | 0.3 | 0.4 |
| 20121231 | 4400885 | 39086 | 745 | 0 | 0.2 | 0.7 |
| 20121231 | 4800662 | 10822620 | 744 | 0 | 0.3 | 0.7 |
| 20121231 | 4800663 | 10822640 | 743 | 0 | 0.3 | 0.6 |
| 20121231 | 6200511 | 11026160 | 744 | 0 | -0.4 | 0.5 |
| 20121231 | 6200518 | 11024270 | 744 | 0 | -0.1 | 0.5 |
| 20121231 | 6200520 | 13611180 | 744 | 0 | 0.0 | 0.5 |
| 20121231 | 6200521 | 11688060 | 744 | 0 | 0.0 | 0.6 |
| 20121231 | 6200522 | 11680430 | 744 | 0 | -0.2 | 0.5 |
| 20121231 | 6200531 | 11548410 | 744 | 0 | -0.0 | 0.5 |
| 20121231 | 6200532 | 11566230 | 744 | 0 | 0.1 | 0.6 |
| 20121231 | 6200554 | 11027160 | 744 | 0 | 0.1 | 0.4 |
| 20121231 | 6200555 | 11023170 | 744 | 5 | 0.3 | 1.1 |
| 20121231 | 6200556 | 11021170 | 744 | 0 | 0.1 | 0.4 |
| 20121231 | 6200557 | 11028160 | 745 | 0 | -0.4 | 0.5 |
| 20121231 | 6200677 | 11022050 | 241 | 0 | 0.2 | 0.7 |
| 20121231 | 6200678 | 11029050 | 744 | 0 | 0.1 | 0.7 |
| 20121231 | 6200680 | 11166640 | 744 | 0 | 0.1 | 0.7 |
| 20121231 | 6200681 | 11168640 | 744 | 0 | 0.1 | 0.6 |
| 20121207 | 6200682 | 11541080 | 23 | 0 | -0.2 | 0.3 |
| 20121223 | 6200683 | 11541170 | 270 | 0 | -0.6 | 0.8 |
| 20121231 | 6200684 | 11882820 | 744 | 0 | -0.2 | 0.7 |
| 20121231 | 6200685 | 11461700 | 744 | 0 | -0.2 | 0.7 |
| 20121231 | 6200686 | 11845450 | 744 | 0 | -0.2 | 1.0 |
| 20121231 | 6200687 | 11349100 | 514 | 0 | -0.1 | 0.7 |
| 20121231 | 6200688 | 11248950 | 513 | 0 | -0.1 | 0.6 |
| 20121227 | 6200689 | 11340960 | 415 | 0 | 0.1 | 0.7 |
| 20121215 | 6200690 | 11249950 | 112 | 0 | -0.2 | 0.6 |
| 20121231 | 6200696 | 11917510 | 744 | 0 | 0.3 | 0.5 |
| 20121231 | 6200697 | 12291040 | 742 | 0 | -0.1 | 0.5 |
| 20121231 | 6200711 | 11345100 | 464 | 0 | 0.1 | 0.5 |

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|-----------------|----------------|-----------------|------------|-----------|------------|------------|
| 20121231 | 6200713 | 11246980 | 439 | 0 | -0.1 | 0.4 |
| 20121231 | 6200714 | 11240980 | 411 | 0 | -0.2 | 0.5 |
| 20121231 | 6200722 | 37773 | 744 | 0 | 0.1 | 0.5 |
| 20121231 | 6200724 | 39074 | 745 | 0 | -0.2 | 0.4 |
| 20121231 | 6300551 | 11547410 | 743 | 0 | -0.1 | 0.5 |
| 20121231 | 6300552 | 11548400 | 744 | 0 | -0.1 | 0.5 |
| 20121231 | 6300553 | 11549400 | 744 | 0 | 0.0 | 0.5 |
| 20121231 | 6300554 | 11549410 | 743 | 0 | -0.1 | 0.5 |
| 20121231 | 6300635 | 11477140 | 744 | 0 | -0.1 | 0.5 |
| 20121231 | 6300638 | 11478130 | 744 | 0 | 0.0 | 0.4 |
| 20121231 | 6300639 | 11471050 | 744 | 0 | -0.3 | 0.3 |
| 20121231 | 6300642 | 11548080 | 744 | 1 | 0.1 | 0.9 |
| 20121221 | 6300643 | 11540080 | 497 | 2 | -0.1 | 1.2 |
| 20121231 | 6300645 | 11546070 | 744 | 0 | -0.4 | 1.2 |
| 20121231 | 6400516 | 11473100 | 744 | 0 | -0.1 | 0.5 |
| 20121222 | 6400517 | 11472030 | 516 | 0 | -0.2 | 0.4 |
| 20121231 | 6400518 | 11472110 | 744 | 0 | -0.0 | 0.5 |
| 20121231 | 6400522 | 11029150 | 744 | 0 | 0.0 | 0.7 |
| 20121231 | 6400523 | 11757730 | 744 | 0 | 0.0 | 0.5 |
| 20121231 | 6400524 | 10825640 | 744 | 0 | 0.5 | 0.6 |
| 20121231 | 6400525 | 10824120 | 744 | 0 | 0.5 | 0.7 |
| 20121224 | 6400526 | 11932580 | 562 | 0 | 0.1 | 0.5 |
| 20121231 | 6400527 | 11549160 | 744 | 0 | 0.1 | 0.5 |
| 20121231 | 6400606 | 11478100 | 744 | 0 | 0.0 | 0.5 |
| 20121231 | 6400607 | 11479100 | 744 | 0 | 0.1 | 0.4 |
| 20121231 | 6400620 | 11756730 | 744 | 0 | 0.1 | 0.7 |
| 20121231 | 6400621 | 11545440 | 744 | 0 | -0.2 | 0.6 |
| 20121231 | 6400622 | 11886820 | 744 | 13 | 0.3 | 1.3 |
| 20121231 | 6500591 | 11887820 | 744 | 0 | 0.0 | 0.7 |
| 20121231 | 6500592 | 11164650 | 744 | 0 | -0.1 | 0.7 |

Air Pressure (hPa), moored buoys, December 2012

| Datend | WMO | Telcom | Recvd | GE | Bias | Std |
|-----------------|----------------|--------|------------|-----------|------------|------------|
| 20121231 | 1300130 | | 518 | 0 | 0.5 | 0.6 |
| 20121231 | 6100001 | | 732 | 1 | -0.1 | 0.6 |
| 20121231 | 6100002 | | 725 | 0 | 0.2 | 0.7 |
| 20121231 | 6100196 | | 476 | 0 | 0.2 | 0.7 |
| 20121231 | 6100197 | | 472 | 0 | 0.5 | 0.6 |
| 20121231 | 6100198 | | 588 | 0 | 0.3 | 0.7 |
| 20121231 | 6100280 | | 581 | 0 | 0.3 | 0.7 |
| 20121231 | 6100281 | | 588 | 0 | 0.3 | 1.0 |
| 20121231 | 6100417 | | 568 | 0 | 0.3 | 0.7 |
| 20121231 | 6100430 | | 584 | 0 | -0.3 | 0.7 |
| 20121231 | 6200001 | | 731 | 0 | 0.1 | 0.6 |
| 20121218 | 6200024 | | 267 | 0 | -0.6 | 2.6 |
| 20121231 | 6200025 | | 589 | 0 | 0.5 | 0.6 |
| 20121231 | 6200029 | | 731 | 0 | -0.1 | 0.6 |
| 20121231 | 6200083 | | 588 | 0 | 0.0 | 0.7 |
| 20121231 | 6200084 | | 589 | 0 | 0.2 | 0.9 |
| 20121231 | 6200085 | | 589 | 0 | 0.3 | 0.7 |
| 20121227 | 6200091 | | 626 | 5 | 0.0 | 0.6 |
| 20121231 | 6200092 | | 741 | 1 | -0.0 | 0.6 |
| 20121231 | 6200093 | | 742 | 3 | -0.1 | 0.8 |
| 20121231 | 6200094 | | 741 | 4 | -0.3 | 0.6 |
| 20121231 | 6200095 | | 687 | 24 | 0.8 | 1.2 |
| 20121231 | 6200105 | | 730 | 0 | -0.1 | 0.7 |
| 20121231 | 6200163 | | 597 | 1 | 0.1 | 0.5 |
| 20121231 | 6400045 | | 728 | 0 | -0.0 | 0.7 |

Air Temperature (C), drifting buoys, December 2012

| Datend | WMO | Telcom | Recvd | GE | Bias | Std |
|-----------------|----------------|--------------|------------|-----------|-------------|------------|
| 20121226 | 2500619 | 57010 | 628 | 36 | -1.2 | 6.9 |

Air Temperature (C), moored buoys, December 2012

| Datend | WMO | Telcom | Recvd | GE | Bias | Std |
|----------|---------|--------|-------|----|------|-----|
| 20121231 | 1300130 | | 518 | 0 | -0.9 | 0.5 |

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|-----------------|----------------|------------|----------|-------------|------------|
| 20121231 | 6100001 | 736 | 0 | -1.1 | 0.6 |
| 20121212 | 6100002 | 234 | 0 | -1.8 | 2.5 |
| 20121231 | 6100196 | 445 | 0 | 0.4 | 0.4 |
| 20121231 | 6100197 | 472 | 0 | 0.8 | 0.7 |
| 20121231 | 6100198 | 588 | 0 | -0.5 | 0.7 |
| 20121231 | 6100280 | 581 | 0 | 0.4 | 0.7 |
| 20121231 | 6100281 | 588 | 0 | 0.1 | 0.8 |
| 20121231 | 6100417 | 568 | 0 | -0.2 | 0.6 |
| 20121231 | 6100430 | 584 | 0 | 0.0 | 0.4 |
| 20121231 | 6200001 | 731 | 0 | -0.4 | 0.6 |
| 20121218 | 6200024 | 266 | 0 | 0.2 | 0.8 |
| 20121231 | 6200025 | 589 | 0 | -0.6 | 0.8 |
| 20121231 | 6200029 | 731 | 0 | -0.5 | 0.6 |
| 20121231 | 6200083 | 588 | 0 | -0.0 | 0.5 |
| 20121231 | 6200084 | 589 | 0 | 0.0 | 0.5 |
| 20121231 | 6200085 | 589 | 0 | -0.1 | 0.7 |
| 20121227 | 6200091 | 626 | 0 | -0.0 | 0.7 |
| 20121231 | 6200092 | 741 | 0 | -0.8 | 0.5 |
| 20121231 | 6200093 | 742 | 0 | -0.4 | 0.6 |
| 20121231 | 6200094 | 741 | 0 | 0.6 | 0.6 |
| 20121231 | 6200095 | 652 | 0 | -0.6 | 0.7 |
| 20121231 | 6200105 | 730 | 0 | -0.4 | 0.6 |
| 20121231 | 6200163 | 597 | 0 | -0.5 | 0.5 |
| 20121231 | 6400045 | 728 | 0 | -0.4 | 0.6 |
| 20121231 | 6600021 | 615 | 0 | -0.0 | 0.7 |
| 20121219 | 6600022 | 303 | 0 | -0.3 | 0.7 |

Wind direction (deg.), moored buoys, December 2012

| Datend | WMO | Telcom | Recvd | GE | Bias | Std |
|-----------------|----------------|--------|------------|------------|------------|-----------|
| 20121231 | 6100001 | | 729 | 63 | 4 | 37 |
| 20121231 | 6100002 | | 629 | 37 | -0 | 22 |
| 20121231 | 6100196 | | 471 | 23 | -12 | 26 |
| 20121231 | 6100197 | | 470 | 4 | -13 | 18 |
| 20121231 | 6100198 | | 566 | 42 | -3 | 33 |
| 20121231 | 6100280 | | 575 | 22 | -2 | 28 |
| 20121231 | 6100281 | | 570 | 58 | -1 | 29 |
| 20121231 | 6100417 | | 544 | 155 | 108 | 57 |
| 20121231 | 6100430 | | 578 | 6 | -11 | 24 |
| 20121231 | 6200001 | | 715 | 11 | 1 | 18 |
| 20121218 | 6200024 | | 266 | 4 | 4 | 27 |
| 20121231 | 6200025 | | 585 | 43 | -14 | 32 |
| 20121231 | 6200029 | | 709 | 2 | -1 | 11 |
| 20121231 | 6200084 | | 589 | 5 | 15 | 17 |
| 20121231 | 6200085 | | 576 | 19 | 1 | 23 |
| 20121227 | 6200091 | | 625 | 4 | 3 | 14 |
| 20121231 | 6200092 | | 739 | 3 | 5 | 15 |
| 20121231 | 6200093 | | 740 | 4 | 1 | 18 |
| 20121231 | 6200094 | | 741 | 0 | 2 | 13 |
| 20121231 | 6200095 | | 665 | 36 | -3 | 14 |
| 20121231 | 6200105 | | 713 | 3 | -1 | 17 |
| 20121231 | 6200163 | | 581 | 7 | -3 | 18 |
| 20121231 | 6400045 | | 713 | 3 | 3 | 16 |
| 20121231 | 6600021 | | 611 | 0 | -0 | 12 |
| 20121219 | 6600022 | | 302 | 0 | -7 | 13 |

Wind speed rate, moored buoys, December 2012

| Datend | WMO | Telcom | Recvd | GE | Rate | Err |
|-----------------|----------------|--------|------------|-----------|------------|------------|
| 20121231 | 6100001 | | 729 | 0 | 1.2 | 2.2 |
| 20121231 | 6100002 | | 629 | 15 | 0.9 | 4.3 |
| 20121231 | 6100196 | | 471 | 1 | 1.1 | 2.4 |
| 20121231 | 6100197 | | 470 | 0 | 1.0 | 1.5 |
| 20121231 | 6100198 | | 566 | 0 | 0.9 | 2.2 |
| 20121231 | 6100280 | | 575 | 0 | 1.3 | 2.1 |
| 20121231 | 6100281 | | 570 | 0 | 1.3 | 2.2 |
| 20121231 | 6100417 | | 544 | 25 | 0.8 | 1.9 |
| 20121231 | 6100430 | | 578 | 0 | 0.9 | 1.7 |
| 20121231 | 6200001 | | 715 | 1 | 1.0 | 1.6 |
| 20121218 | 6200024 | | 266 | 0 | 1.3 | 2.8 |
| 20121231 | 6200025 | | 585 | 0 | 0.7 | 2.7 |

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|----------|---------|-----|---|-----|-----|
| 20121231 | 6200029 | 709 | 0 | 0.9 | 1.1 |
| 20121231 | 6200084 | 589 | 0 | 1.0 | 1.5 |
| 20121231 | 6200085 | 576 | 0 | 0.9 | 1.3 |
| 20121227 | 6200091 | 625 | 1 | 0.9 | 1.2 |
| 20121231 | 6200092 | 739 | 0 | 0.9 | 1.6 |
| 20121231 | 6200093 | 740 | 2 | 0.9 | 1.9 |
| 20121231 | 6200094 | 741 | 0 | 0.9 | 1.3 |
| 20121231 | 6200095 | 631 | 1 | 1.0 | 1.7 |
| 20121231 | 6200105 | 713 | 3 | 1.0 | 1.9 |
| 20121231 | 6200163 | 581 | 0 | 1.0 | 1.4 |
| 20121231 | 6400045 | 713 | 0 | 1.0 | 1.8 |
| 20121231 | 6600021 | 611 | 0 | 1.1 | 1.1 |
| 20121219 | 6600022 | 302 | 0 | 1.2 | 1.2 |

Comments on QC statistics :

Air pressure

1. Metocean Iridium buoy WMO **4400686** operated by Environment Canada ran ashore on a sand island in the SW of Nova Scotia on the 26th of November. It had been reporting wrong pressure values onto the GTS before the transmission was stopped on December 5th.
2. Metocean Iridium buoys WMO **4400687** and **4400739** reported many wrong pressure values onto the GTS before the transmission was stopped for this parameter on December 11th and 26th, respectively.
3. Metocean Iridium buoys WMO **4400603**, **4400615**, **4400627**, **4400629**, **4400685**, **400728**, **4400767**, **4400772**, **4400867**, **400873** and **6400522** reported some wrong pressure values onto the GTS but measurements became right later. Although some of them already reported dubious values in November, the GTS data transmission was not discontinued for them.
4. Many pressure values reported by EUCOS moored buoy M6 (Met Eireann – WMO **6200095**) appeared inaccurate in December.

Air temperature

5. Argos ICEB buoy WMO **2500619** stopped transmitting on December 26th. It was the last E-SURFMAR funded Argos buoy. As usually, differences occurred between observations and model outputs for air temperature but these latest were probably due to the model which does not reproduce this parameter correctly in the Arctic.
6. EUCOS moored buoy Lion (Meteo-France – WMO **6100002**) reported wrong air temperatures onto the GTS in December before the transmission was stopped for this parameter.

Wind

7. EUCOS moored buoy Lion (Meteo-France – WMO **6100002**) reported many abnormal calm winds in December before a filter was applied to avoid their transmission onto the GTS.
8. Wind directions, and perhaps wind speed values, reported by Spanish moored buoy WMO **6100417** seemed dubious in December.

Monthly QC statistics and other data quality control tools are available on line at :
<http://www.meteo.shom.fr/qctools/>

The working area of the E-SURFMAR website is open at <http://esurfmar.meteo.fr/wikisurf-wa/>. Ask the E-SURFMAR Programme Manager Pierre.Blouch@meteo.fr for the password in case you forgot it. Graphs of system performances may be displayed/downloaded at http://esurfmar.meteo.fr/doc/r/surfmar/others/e-surfmar_monitoring.pdf.