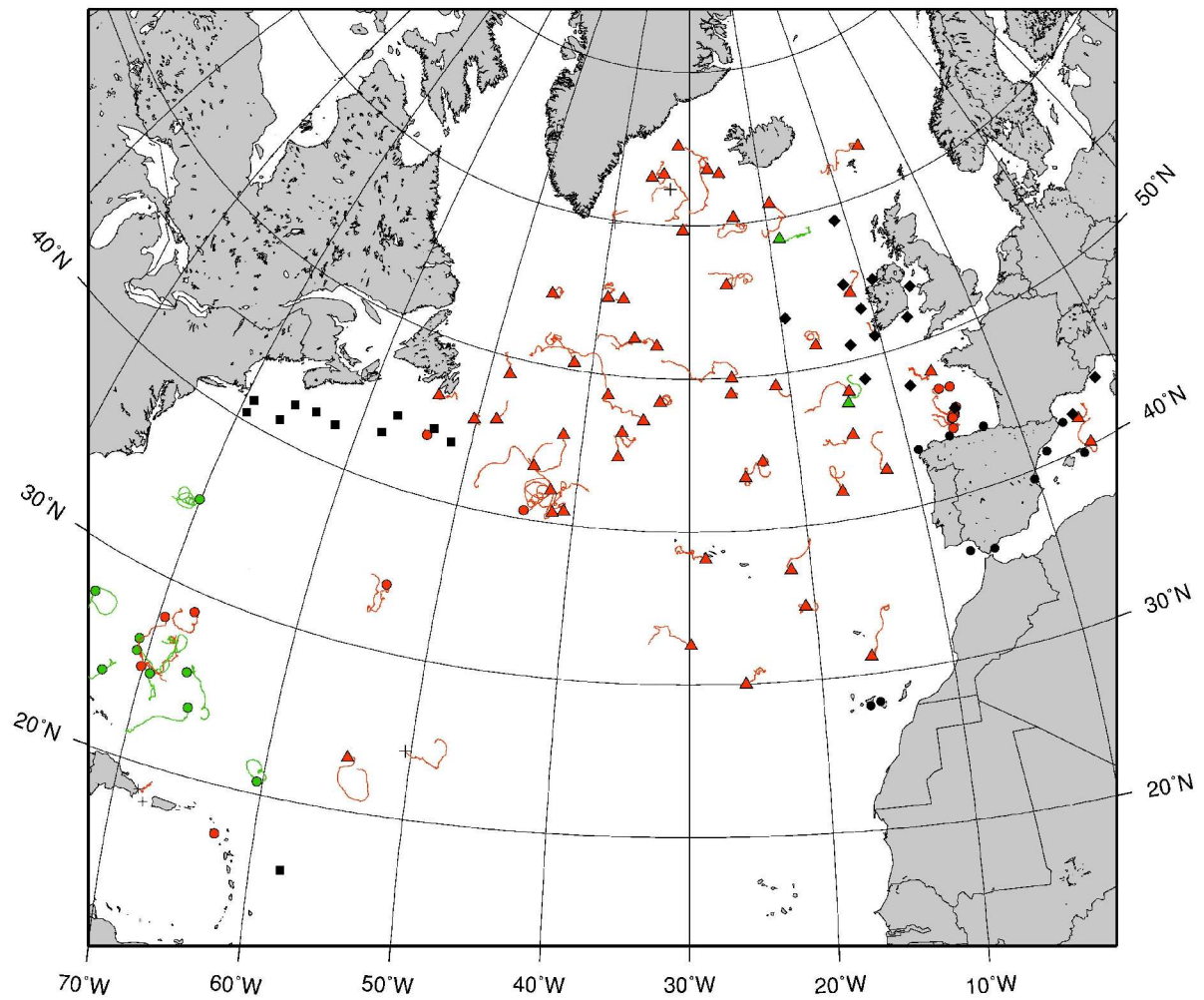
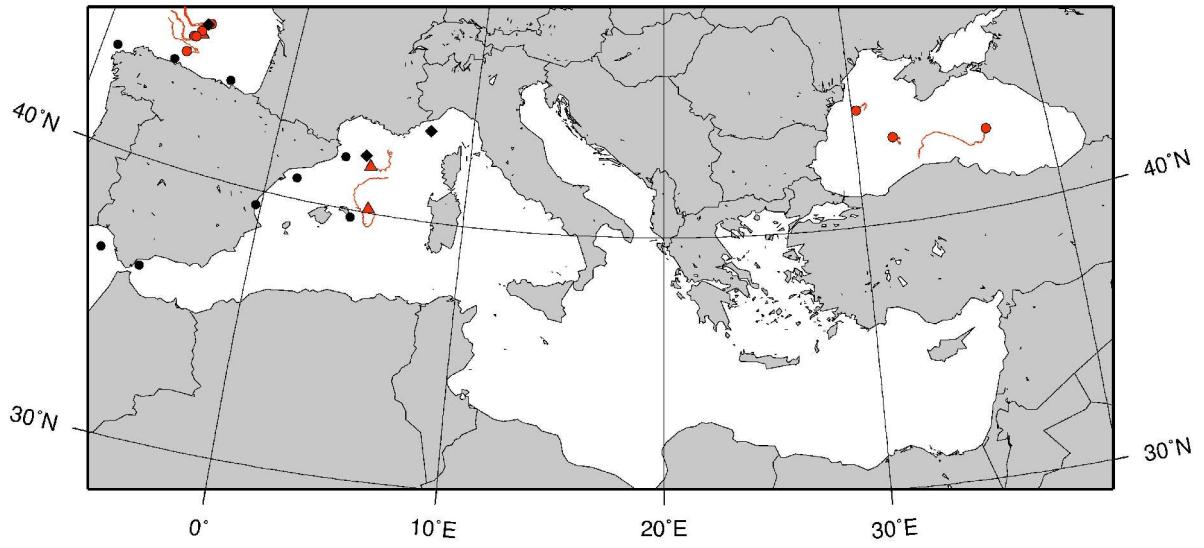


## DATA BUOYS MONTHLY REPORT

April 2005



April 2005 - Operating data buoys in the North Atlantic  
Drifting buoy trajectories and moored buoy positions



April 2005 - Operating data buoys in the Mediterranean Sea  
Drifting buoy trajectories and moored buoy positions

# E-SURFMAR DB Monthly Report April 2005

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**DRIFTING BUOYS**  
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**Drifting buoys - New deployments**

| WMO   | Argos | Typ | Ow | Dep_Date | DepLat | DepLon | From       | Comment |
|-------|-------|-----|----|----------|--------|--------|------------|---------|
| 44840 | 55302 | TSB | UP | 20050425 | 58.0   | -34.0  | Norfolk    |         |
| 44842 | 55303 | TSB | UP | 20050426 | 60.0   | -30.7  | Norfolk    |         |
| 44843 | 55305 | TSB | UP | 20050426 | 63.0   | -25.2  | Norfolk    |         |
| 44844 | 55306 | TSB | UP | 20050424 | 55.0   | -38.3  | Norfolk    |         |
| 44845 | 55311 | TSB | UP | 20050423 | 48.0   | -48.3  | Norfolk    |         |
| 44846 | 55313 | TSB | UP | 20050421 | 46.2   | -37.0  | Charleston |         |
| 44847 | 55315 | TSB | UP | 20050420 | 43.1   | -47.0  | Charleston |         |
| 44848 | 55316 | TSB | UP | 20050421 | 44.9   | -42.0  | Charleston |         |
| 61501 | 42652 | MSB | FR | 20050412 | 42.5   | 6.0    | Toulon     |         |
| 61502 | 42653 | MSB | FR | 20050412 | 41.5   | 6.0    | Toulon     |         |
| 62901 | 55312 | TSB | UP | 20050423 | 48.5   | -25.0  | Charleston |         |
| 62934 | 55314 | TSB | UP | 20050423 | 49.0   | -20.0  | Charleston |         |
| 65601 | 25384 | CFB | DE | 20050405 | 61.5   | -35.0  | Bergen     |         |
| 65602 | 25386 | CFB | DE | 20050406 | 60.3   | -40.0  | Bergen     |         |

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**Operating drifting buoys by the end of the month**

| WMO   | Argos | Typ | Ow | Nobs | Wi | AT | AP | dP | ST | Wa | Ws | Dr | Sb | U | SS | O | Start_end | Lat   | Lon    | Age |
|-------|-------|-----|----|------|----|----|----|----|----|----|----|----|----|---|----|---|-----------|-------|--------|-----|
| 13534 | 52187 | TSB | FR | 720  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 38.20 | -28.66 | 171 |
| 44549 | 42794 | TSB | FR | 730  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 52.08 | -33.50 | 306 |
| 44550 | 52193 | TSB | FR | 729  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 48.44 | -32.91 | 168 |
| 44601 | 52194 | TSB | FR | 739  | -  | -  | X  | X  | X  | -  | -  | -  | -  | - | -  | T | 0104-3004 | 50.47 | -41.88 | 167 |
| 44607 | 52190 | TSB | FR | 741  | -  | -  | X  | X  | X  | -  | -  | -  | -  | - | -  | T | 0104-3004 | 40.65 | -41.88 | 144 |
| 44608 | 52191 | TSB | FR | 113  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 40.85 | -40.89 | 145 |
| 44609 | 52192 | TSB | FR | 730  | -  | -  | X  | X  | X  | -  | -  | -  | -  | - | -  | T | 0104-3004 | 48.68 | -38.04 | 83  |
| 44610 | 52252 | MSB | UK | 712  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 54.97 | -39.25 | 81  |
| 44611 | 52178 | MSB | FR | 708  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 52.48 | -35.88 | 81  |
| 44612 | 21124 | MSB | UK | 780  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 61.03 | -19.26 | 537 |
| 44615 | 52183 | MSB | FR | 718  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 45.55 | -50.28 | 79  |
| 44627 | 21191 | TSB | UK | 755  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 43.43 | -24.96 | 390 |
| 44628 | 21329 | MSB | UK | 791  | -  | -  | X  | X  | X  | -  | -  | -  | -  | - | -  | T | 0104-3004 | 29.99 | -25.72 | 695 |
| 44722 | 52258 | MSB | UK | 702  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 46.32 | -36.36 | 194 |
| 44723 | 52259 | MSB | UK | 723  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 63.30 | -33.67 | 196 |
| 44725 | 21183 | MSB | UK | 714  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 54.60 | -45.56 | 136 |
| 44726 | 52253 | MSB | UK | 712  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 48.90 | -48.00 | 109 |
| 44727 | 52245 | MSB | UK | 725  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 47.20 | -34.44 | 80  |
| 44728 | 52244 | MSB | UK | 716  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 45.74 | -41.81 | 80  |
| 44729 | 52247 | MSB | UK | 718  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 46.34 | -54.06 | 42  |
| 44743 | 21046 | MSB | EU | 725  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 42.72 | -12.35 | 593 |
| 44745 | 34408 | TSB | EU | 724  | -  | -  | X  | X  | X  | -  | -  | -  | -  | - | -  | T | 0104-3004 | 47.96 | -6.09  | 593 |
| 44775 | 09308 | CFB | DE | 949  | -  | X  | X  | X  | X  | -  | -  | -  | -  | - | -  | T | 0104-3004 | 56.04 | -25.69 | 202 |
| 44777 | 06666 | CFB | IE | 639  | -  | X  | X  | X  | X  | -  | -  | -  | -  | - | -  | T | 0104-3004 | 23.25 | -54.41 | 746 |
| 44778 | 06667 | CFB | IE | 701  | -  | X  | X  | X  | X  | -  | -  | -  | -  | - | -  | T | 0104-3004 | 32.57 | -29.90 | 746 |
| 44842 | 55303 | TSB | UP | 138  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | L | 2504-3004 | 59.67 | -30.86 | 5   |
| 44843 | 55305 | TSB | UP | 136  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | L | 2504-3004 | 63.30 | -25.75 | 5   |
| 44844 | 55306 | TSB | UP | 137  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | L | 2504-3004 | 54.98 | -37.52 | 7   |
| 44845 | 55311 | TSB | UP | 179  | -  | -  | X  | -  | -  | -  | -  | X  | -  | - | -  | L | 2504-3004 | 45.91 | -48.26 | 8   |
| 44846 | 55313 | TSB | UP | 135  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | L | 2504-3004 | 44.71 | -36.59 | 10  |
| 44847 | 55315 | TSB | UP | 135  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | L | 2504-3004 | 42.06 | -42.27 | 11  |
| 44848 | 55316 | TSB | UP | 135  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | L | 2504-3004 | 43.45 | -44.05 | 10  |
| 61501 | 42652 | MSB | FR | 441  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 1304-3004 | 41.71 | 5.01   | 19  |
| 61502 | 42653 | MSB | FR | 401  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 1304-3004 | 40.14 | 5.23   | 19  |
| 62510 | 52189 | TSB | FR | 726  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 37.22 | -21.64 | 172 |
| 62511 | 52195 | MSW | FR | 644  | X  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 47.39 | -14.60 | 157 |
| 62512 | 42651 | MSB | FR | 711  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 41.85 | -16.53 | 157 |
| 62513 | 42789 | TSB | FR | 720  | -  | -  | X  | X  | X  | -  | -  | -  | -  | - | -  | T | 0104-3004 | 49.97 | -25.74 | 84  |
| 62514 | 54745 | MSB | NL | 708  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 63.64 | -27.39 | 84  |
| 62556 | 42790 | TSB | FR | 731  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 34.80 | -20.76 | 383 |
| 62557 | 42791 | TSB | FR | 717  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 31.13 | -16.07 | 383 |
| 62560 | 37396 | MSB | FR | 790  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 45.33 | -14.72 | 307 |
| 62562 | 37400 | MSB | FR | 856  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 51.43 | -16.75 | 313 |
| 62563 | 42648 | MSB | FR | 712  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 54.25 | -11.92 | 327 |
| 62564 | 42649 | MSB | FR | 722  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 44.41 | -23.32 | 309 |
| 62566 | 42658 | MSW | FR | 707  | X  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 58.66 | -18.70 | 326 |

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|       |       |     |    |     |   |   |   |   |   |   |   |   |   |   |   |   |           |       |        |     |
|-------|-------|-----|----|-----|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-------|--------|-----|
| 62567 | 52248 | MSB | UK | 683 | - | - | X | X | X | - | - | X | - | - | - | T | 0104-3004 | 48.11 | -14.36 | 45  |
| 62901 | 55312 | TSB | UP | 139 | - | - | X | X | X | - | - | X | - | - | - | L | 2504-3004 | 48.95 | -25.87 | 8   |
| 62934 | 55314 | TSB | UP | 132 | - | - | X | X | X | - | - | X | - | - | - | L | 2504-3004 | 49.24 | -21.39 | 8   |
| 64609 | 52257 | MSB | UK | 717 | - | - | X | X | X | - | - | X | - | - | - | T | 0104-3004 | 63.03 | -35.36 | 197 |
| 64610 | 52256 | MSB | UK | 641 | - | - | X | X | X | - | - | X | - | - | - | T | 0104-3004 | 63.03 | -5.26  | 185 |
| 64611 | 52179 | MSB | FR | 702 | - | - | X | X | X | - | - | X | - | - | - | T | 0104-3004 | 65.17 | -31.79 | 113 |
| 64612 | 54744 | MSB | FR | 722 | - | - | X | X | X | - | - | X | - | - | - | T | 0104-3004 | 60.40 | -24.22 | 112 |

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**Drifting buoys which ceased to be operational**

| WMO   | Argos | Typ | Ow | End_Date | Lat   | Lon    | Age | Cause   |
|-------|-------|-----|----|----------|-------|--------|-----|---------|
| 44623 | 22513 | MSB | UK | 20050428 | 24.24 | -50.43 | 692 | Faded   |
| 62694 | 21200 | TSB | UK | 20050427 | 51.33 | -10.43 | 388 | Faded   |
| 65601 | 25384 | CFB | DE | 20050411 | 62.35 | -32.67 | 6   | Unknown |
| 65602 | 25386 | CFB | DE | 20050424 | 59.84 | -39.72 | 18  | Unknown |

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

| WMO   | Argos | Typ | Ow | Nobs | Wi | AT | AP | dP | ST | Wa | Ws | Dr | Sb | U | SS | O | Start_end | Lat   | Lon    | Age |
|-------|-------|-----|----|------|----|----|----|----|----|----|----|----|----|---|----|---|-----------|-------|--------|-----|
| 44616 | 21092 | MSB | UK | 798  | -  | -  | -  | -  | X  | -  | -  | X  | -  | - | -  | T | 0104-3004 | 58.02 | -25.91 | 510 |
| 44744 | 34411 | TSB | FR | 727  | -  | -  | -  | -  | X  | -  | -  | -  | -  | - | -  | T | 0104-3004 | 40.56 | -16.01 | 621 |

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

| WMO   | Argos | Typ  | Ow | Nobs | Wi | AT | AP | dP | ST | Wa | Ws | Dr | Sb | U | SS | O | Start_end | Lat   | Lon    |
|-------|-------|------|----|------|----|----|----|----|----|----|----|----|----|---|----|---|-----------|-------|--------|
| 41540 | 47577 | NAVO |    | 579  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | L | 0104-3004 | 40.53 | -44.32 |
| 41543 | 47580 | NAVO |    | 676  | X  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | L | 0104-3004 | 23.71 | -66.20 |
| 41544 | 47581 | NAVO |    | 702  | X  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | L | 0104-3004 | 20.71 | -60.40 |
| 41545 | 47582 | NAVO |    | 710  | X  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | L | 0104-3004 | 25.56 | -66.91 |
| 41663 | 47640 | NAVO |    | 1771 | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | L | 0104-3004 | 17.29 | -62.70 |
| 41927 | 49573 | GDC  |    | 544  | -  | -  | X  | -  | X  | -  | -  | X  | -  | - | -  | L | 0104-2904 | 24.93 | -69.97 |
| 41929 | 49575 | GDC  |    | 670  | -  | -  | X  | -  | X  | -  | -  | X  | -  | - | -  | L | 0104-3004 | 28.87 | -67.60 |
| 41934 | 49580 | GDC  |    | 659  | -  | -  | X  | -  | X  | -  | -  | X  | -  | - | -  | L | 0104-3004 | 24.78 | -69.42 |
| 41935 | 49581 | GDC  |    | 288  | -  | -  | X  | -  | X  | -  | -  | X  | -  | - | -  | L | 0104-3004 | 27.96 | -69.56 |
| 41939 | 49585 | GDC  |    | 623  | -  | -  | X  | -  | X  | -  | -  | X  | -  | - | -  | L | 0104-3004 | 34.12 | -54.11 |
| 44635 | 09238 | EC   |    | 59   | -  | -  | X  | X  | X  | -  | -  | -  | -  | - | -  | O | 2504-3004 | 43.76 | -54.06 |
| 61767 | 34253 | NAVO |    | 1960 | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | L | 0104-3004 | 42.93 | 36.81  |
| 61768 | 34859 | NAVO |    | 444  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | L | 1204-3004 | 44.40 | 30.25  |
| 61769 | 34860 | NAVO |    | 446  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | -  | L | 1204-3004 | 43.21 | 31.98  |
| 62501 | 52198 | CMM  |    | 606  | -  | -  | X  | X  | X  | -  | -  | X  | -  | - | X  | T | 0404-3004 | 44.91 | -5.15  |
| 62907 | 56362 | GDC  |    | 211  | -  | -  | X  | -  | X  | -  | -  | X  | -  | - | X  | L | 0804-3004 | 46.79 | -5.87  |
| 62908 | 56363 | GDC  |    | 190  | -  | -  | X  | -  | -  | -  | -  | X  | -  | - | X  | L | 1204-3004 | 46.69 | -4.86  |
| 62910 | 56365 | GDC  |    | 154  | -  | -  | X  | -  | X  | -  | -  | X  | -  | - | X  | L | 1204-3004 | 45.36 | -4.85  |
| 62926 | 56366 | GDC  |    | 198  | -  | -  | X  | -  | X  | -  | -  | X  | -  | - | X  | L | 1204-3004 | 44.75 | -5.55  |
| 62929 | 56369 | GDC  |    | 149  | -  | -  | X  | -  | X  | -  | -  | -  | -  | - | X  | L | 1204-3004 | 45.01 | -5.23  |
| 62930 | 56370 | GDC  |    | 197  | -  | -  | X  | -  | X  | -  | -  | X  | -  | - | X  | L | 1204-3004 | 44.76 | -5.43  |
| 62931 | 56371 | GDC  |    | 262  | -  | -  | X  | -  | X  | -  | -  | -  | -  | - | X  | L | 1204-3004 | 44.14 | -5.69  |

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**MOORED BUOYS**  
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### 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  |
|-------|-------------|------|----|----|----|----|----|----|----|----|----|---|----|-----------|-----------|--------|------|
| 61001 | Cote d'Azur | 651  | X  | X  | X  | X  | X  | X  | X  | -  | -  | X | -  | O         | 0104-3004 | 43.40  | 7.80 |
| 61002 | Lion        | 422  | X  | X  | X  | X  | X  | -  | -  | -  | X  | - | O  | 0104-3004 | 42.10     | 4.70   |      |
| 62001 | Gascogne    | 715  | X  | X  | X  | X  | X  | X  | -  | -  | X  | - | O  | 0104-3004 | 45.20     | -5.00  |      |
| 62029 | K1          | 713  | X  | X  | X  | X  | X  | X  | -  | -  | X  | - | O  | 0104-3004 | 48.70     | -12.50 |      |
| 62081 | K2          | 712  | X  | X  | X  | X  | X  | X  | -  | -  | X  | - | O  | 0104-3004 | 51.00     | -13.40 |      |
| 62090 | M1          | 621  | X  | X  | X  | X  | X  | X  | -  | -  | X  | - | O  | 0104-3004 | 53.10     | -11.20 |      |
| 62091 | M2          | 651  | X  | X  | X  | X  | X  | X  | -  | -  | X  | - | O  | 0104-3004 | 53.50     | -5.40  |      |
| 62092 | M3          | 716  | X  | X  | X  | X  | X  | X  | -  | -  | X  | - | O  | 0104-3004 | 51.20     | -10.50 |      |
| 62093 | M4          | 695  | X  | X  | X  | X  | X  | X  | -  | -  | X  | - | O  | 0104-3004 | 54.70     | -9.10  |      |
| 62094 | M5          | 699  | X  | X  | X  | X  | X  | X  | -  | -  | X  | - | O  | 0104-3004 | 51.70     | -6.70  |      |
| 62105 | K4          | 647  | X  | X  | X  | X  | X  | X  | -  | -  | -  | - | O  | 0104-3004 | 55.20     | -13.80 |      |
| 62108 | K3          | 714  | X  | X  | X  | X  | X  | X  | -  | -  | X  | - | O  | 0104-3004 | 53.50     | -19.50 |      |
| 62163 | Brittany    | 714  | X  | X  | X  | X  | X  | X  | -  | -  | X  | - | O  | 0104-3004 | 47.50     | -8.40  |      |
| 64045 | K5          | 706  | -  | X  | X  | X  | X  | X  | -  | -  | X  | - | O  | 0104-3004 | 59.00     | -11.40 |      |
| 64046 | K7          |      | -  | -  | -  | -  | -  | -  | -  | -  | -  | - |    |           | 60.70     | -5.20  |      |

#### Comments :

- K7 moored buoy stopped reporting on 16 February.
- The position of K4 moored buoy seems stable.
- EUCOS moored buoys are presented in bold characters.
- Lion moored buoy reported no data onto the GTS from 6 to 18 April.

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**Operating EGOS moored buoys (Seawatch and Wavescan)**  
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| WMO   | Name         | Nobs | Wi | AT | AP | dP | ST | Wa | Ws | Dr | Sb | U | SS | O | Start_end | Lat   | Lon    |
|-------|--------------|------|----|----|----|----|----|----|----|----|----|---|----|---|-----------|-------|--------|
| 13130 | Gran Canaria |      | X  | X  | X  | -  | X  | X  | X  | -  | -  | - | -  | O |           | 28.18 | -15.82 |
| 13131 | Tenerife Sur |      | X  | X  | X  | -  | X  | X  | X  | -  | -  | - | -  | O |           | 28.00 | -16.58 |
| 61196 | C. Begur     |      | X  | X  | X  | -  | X  | X  | X  | -  | -  | - | -  | O |           | 41.92 | 3.65   |
| 61197 | Mahon        |      | X  | X  | X  | -  | X  | X  | X  | -  | -  | - | -  | O |           | 39.72 | 4.42   |
| 61198 | C. de Gata   |      | -  | -  | -  | -  | -  | -  | -  | -  | -  | - | -  |   |           | 36.57 | -2.33  |
| 61199 | M. Alboran   |      | -  | -  | X  | -  | X  | X  | X  | -  | -  | - | X  | O |           | 36.23 | -5.03  |
| 61280 | Tarragona    |      | X  | X  | X  | -  | X  | X  | X  | -  | -  | - | X  | O |           | 40.77 | 1.47   |
| 61281 | Valencia     |      | X  | X  | X  | -  | X  | X  | X  | -  | -  | - | X  | O |           | 39.47 | -0.27  |
| 62024 | Bilbao-Vizc. |      | X  | X  | X  | -  | X  | X  | X  | -  | -  | - | -  | O |           | 43.63 | -3.03  |
| 62025 | C. de Penas  |      | X  | X  | X  | -  | X  | X  | X  | -  | -  | - | X  | O |           | 43.73 | -6.17  |
| 62082 | E. de Bares  |      | -  | -  | -  | -  | -  | -  | -  | -  | -  | - | -  |   |           | 44.07 | -7.62  |
| 62083 | Villano-Sis. |      | X  | X  | X  | -  | X  | X  | X  | -  | -  | - | X  | O |           | 43.48 | -9.22  |
| 62084 | C. Silleiro  |      | -  | -  | -  | -  | -  | -  | -  | -  | -  | - | -  |   |           | 42.12 | -9.40  |
| 62085 | G. de Cadiz  |      | X  | X  | X  | -  | X  | -  | -  | -  | -  | - | -  | O |           | 36.48 | -6.97  |

#### Comments :

- The snapshot for Seawatch and Wavescan buoys - here above - is dated 2nd May 2005
- EUCOS moored buoys are presented in bold characters.
- GTS BUFR data monitoring tools are not yet available. This explains why the number of reports and the observation period are missing.

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**Other moored buoys into the EUCOS area of interest**

| WMO   | Name         | Nobs | Wi | AT | AP | dP | ST | Wa | Ws | Dr | Sb | U | SS | O | Start_end | Lat   | Lon    |
|-------|--------------|------|----|----|----|----|----|----|----|----|----|---|----|---|-----------|-------|--------|
| 41100 | E. Guadelou. | 672  | X  | X  | X  | X  | X  | -  | -  | -  | -  | - | -  | O | 0104-3004 | 15.90 | -57.90 |
| 41101 | E. Martiniq. | -    | -  | -  | -  | -  | -  | -  | -  | -  | -  | - | -  |   |           | 14.60 | -56.20 |
| 44008 | A Nantucket  | 712  | -  | X  | X  | X  | X  | -  | -  | -  | -  | - | -  | O | 0104-3004 | 40.50 | -69.40 |
| 44011 | D Georges Bk | -    | -  | -  | -  | -  | -  | -  | -  | -  | -  | - | -  |   |           | 41.10 | -66.60 |
| 44018 | SE Cape Cod  | 688  | X  | X  | X  | X  | X  | -  | -  | -  | -  | - | -  | O | 0104-3004 | 41.30 | -69.30 |
| 44024 | NNE Channel  | 685  | -  | X  | X  | X  | X  | -  | -  | -  | -  | - | -  | O | 0104-3004 | 42.30 | -65.90 |
| 44137 | E Scotia Sl. | 718  | X  | X  | X  | X  | X  | -  | -  | -  | -  | - | -  | O | 0104-3004 | 42.30 | -62.00 |
| 44138 | SW Gd Banks  | 618  | X  | X  | X  | X  | X  | -  | -  | -  | -  | - | -  | O | 0104-3004 | 44.30 | -53.60 |
| 44139 | Beanquereau  | 53   | X  | X  | X  | X  | X  | -  | -  | -  | -  | - | -  | O | 2704-3004 | 44.30 | -57.10 |
| 44140 | Tail of Bk   | 175  | -  | S  | S  | S  | S  | -  | -  | -  | -  | - | -  |   | 0104-0904 | 43.80 | -51.80 |
| 44141 | Laurentian F | 156  | S  | S  | S  | S  | S  | -  | -  | -  | -  | - | -  |   | 0104-0804 | 43.00 | -58.00 |
| 44142 | La Have Bk   | 715  | X  | X  | X  | X  | X  | -  | -  | -  | -  | - | -  | O | 0104-3004 | 42.50 | -64.00 |

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**Meaning of columns**  
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WMO : WMO id.  
 Argos : Argos id.  
 Typ : Buoy type  
   - first character : Manufacturer (C = ConMar , M = Metocean, T = Technocean,  
   Y = Marlin-Yug...)  
   - second character : Main type (F = FGGE, S = SVP)  
   - third character : Sub type (B = barometer buoy, W = Wind buoy,  
   S = Salinity buoy)  
 Ow : Buoy owner (country code, EU for EUCOS or 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  
 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.**

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### Buoy-QC statistics from Meteo-France model outputs

*Date of end* : Date of the last value received on GTS  
*Nb received* : Total number of values received on GTS  
*Number GE* : Number of Gross Errors (excluded from bias and sd computations)  
*Mean bias* : Mean differences between observation values and co-located model output values  
*Std deviation* : Standard deviation of differences  
*Mean rate* : For wind speed values, average of 'obs/model' rates. Should be close to 1.  
**Error** : For wind speed values, run mean square of differences 'obs/rate - model'.

### Air Pressure (hPa), drifting buoys, April 2005

| Datend   | WMO   | Argos | Recvd | GE | Bias | Std |
|----------|-------|-------|-------|----|------|-----|
| 20050430 | 13534 | 52187 | 718   | 0  | -0.3 | 0.7 |
| 20050430 | 44549 | 42794 | 632   | 0  | 0.0  | 0.8 |
| 20050430 | 44550 | 52193 | 641   | 0  | 0.1  | 0.8 |
| 20050430 | 44601 | 52194 | 672   | 0  | -0.1 | 1.2 |
| 20050430 | 44607 | 52190 | 741   | 0  | -0.2 | 0.9 |
| 20050430 | 44608 | 52191 | 1109  | 0  | -0.2 | 0.8 |
| 20050430 | 44609 | 52192 | 645   | 0  | 0.0  | 1.0 |
| 20050430 | 44610 | 52252 | 706   | 2  | -0.1 | 1.1 |
| 20050430 | 44611 | 52178 | 705   | 1  | 0.0  | 0.9 |
| 20050430 | 44612 | 21124 | 658   | 0  | 0.2  | 1.2 |
| 20050430 | 44615 | 52183 | 714   | 1  | 0.2  | 1.0 |
| 20050425 | 44623 | 22513 | 247   | 1  | 0.4  | 0.7 |
| 20050430 | 44627 | 21191 | 664   | 0  | -0.4 | 0.8 |
| 20050430 | 44628 | 21329 | 673   | 0  | -0.1 | 0.5 |
| 20050430 | 44722 | 52258 | 700   | 0  | -0.1 | 0.8 |
| 20050430 | 44723 | 52259 | 714   | 1  | 0.0  | 1.1 |
| 20050430 | 44725 | 21183 | 708   | 0  | 0.3  | 1.2 |
| 20050430 | 44726 | 52253 | 706   | 0  | 0.2  | 1.0 |
| 20050430 | 44727 | 52245 | 725   | 0  | 0.0  | 0.9 |
| 20050430 | 44728 | 52244 | 714   | 1  | 0.5  | 1.0 |
| 20050430 | 44729 | 52247 | 714   | 0  | -0.2 | 1.2 |
| 20050430 | 44743 | 21046 | 586   | 1  | 0.1  | 0.8 |
| 20050430 | 44745 | 34408 | 716   | 0  | -0.2 | 0.8 |
| 20050430 | 44775 | 09308 | 825   | 6  | 0.0  | 1.0 |
| 20050430 | 44777 | 06666 | 570   | 1  | 0.0  | 0.7 |
| 20050430 | 44778 | 06667 | 634   | 2  | 0.1  | 0.7 |
| 20050430 | 44842 | 55303 | 129   | 0  | -0.2 | 0.6 |
| 20050430 | 44843 | 55305 | 125   | 0  | -0.1 | 0.7 |
| 20050430 | 44844 | 55306 | 127   | 0  | -0.6 | 1.1 |
| 20050430 | 44845 | 55311 | 163   | 0  | 0.2  | 0.6 |
| 20050430 | 44846 | 55313 | 126   | 0  | -0.3 | 0.6 |
| 20050430 | 44847 | 55315 | 125   | 0  | -0.2 | 0.8 |
| 20050430 | 44848 | 55316 | 124   | 0  | 0.0  | 0.6 |
| 20050430 | 61501 | 42652 | 437   | 0  | 0.2  | 0.6 |
| 20050430 | 61502 | 42653 | 396   | 1  | 0.1  | 0.8 |
| 20050430 | 62510 | 52189 | 725   | 1  | 0.3  | 0.6 |
| 20050430 | 62511 | 52195 | 633   | 2  | 0.5  | 0.9 |
| 20050430 | 62512 | 42651 | 706   | 0  | 0.2  | 0.9 |
| 20050430 | 62513 | 42789 | 719   | 0  | 0.0  | 0.9 |
| 20050430 | 62514 | 54745 | 694   | 0  | 0.0  | 1.1 |
| 20050430 | 62556 | 42790 | 721   | 1  | -0.1 | 0.5 |
| 20050430 | 62557 | 42791 | 708   | 0  | 0.1  | 0.5 |
| 20050430 | 62560 | 37396 | 614   | 3  | 0.5  | 0.9 |
| 20050430 | 62562 | 37400 | 656   | 0  | 0.5  | 1.0 |
| 20050430 | 62563 | 42648 | 705   | 0  | -0.2 | 1.1 |
| 20050430 | 62564 | 42649 | 721   | 0  | 0.4  | 0.7 |
| 20050430 | 62566 | 42658 | 702   | 1  | -0.2 | 1.3 |
| 20050430 | 62567 | 52248 | 673   | 1  | -0.3 | 0.9 |
| 20050426 | 62694 | 21200 | 515   | 0  | 0.2  | 1.1 |
| 20050430 | 62901 | 55312 | 127   | 0  | -0.2 | 0.7 |
| 20050430 | 62934 | 55314 | 120   | 0  | -0.2 | 0.9 |
| 20050430 | 64609 | 52257 | 708   | 0  | -0.1 | 1.1 |
| 20050430 | 64610 | 52256 | 634   | 0  | -0.1 | 1.1 |
| 20050430 | 64611 | 52179 | 700   | 0  | -0.1 | 1.1 |
| 20050430 | 64612 | 54744 | 718   | 0  | -0.6 | 1.1 |
| 20050411 | 65601 | 25384 | 148   | 0  | 0.0  | 1.7 |
| 20050420 | 65602 | 25386 | 260   | 1  | -0.3 | 1.3 |

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**Air Pressure (hPa), moored buoys, April 2005**

| Datend   | WMO   | Argos | Recvd | GE | Bias | Std |
|----------|-------|-------|-------|----|------|-----|
| 20050430 | 61001 |       | 649   | 3  | -0.3 | 0.8 |
| 20050430 | 61002 |       | 422   | 0  | 0.0  | 0.7 |
| 20050430 | 62001 |       | 714   | 0  | 0.0  | 0.8 |
| 20050430 | 62029 |       | 707   | 3  | 0.0  | 1.0 |
| 20050430 | 62081 |       | 713   | 2  | -0.2 | 1.0 |
| 20050430 | 62090 |       | 603   | 2  | 0.1  | 1.1 |
| 20050430 | 62091 |       | 649   | 5  | -0.2 | 1.0 |
| 20050430 | 62092 |       | 713   | 1  | 0.2  | 1.0 |
| 20050430 | 62093 |       | 695   | 4  | 0.1  | 1.3 |
| 20050430 | 62094 |       | 699   | 3  | 0.2  | 0.9 |
| 20050430 | 62105 |       | 627   | 5  | -0.6 | 1.1 |
| 20050430 | 62108 |       | 712   | 0  | 0.0  | 1.0 |
| 20050430 | 62163 |       | 712   | 1  | 0.2  | 0.9 |
| 20050430 | 64045 |       | 701   | 2  | -0.2 | 1.2 |

**Air Temperature (C), drifting buoys, April 2005**

| Datend          | WMO          | Argos        | Recvd | GE | Bias       | Std        |
|-----------------|--------------|--------------|-------|----|------------|------------|
| 20050430        | 44775        | 09308        | 788   | 0  | 0.2        | 1.0        |
| 20050430        | 44777        | 06666        | 554   | 0  | 0.5        | 0.9        |
| 20050430        | 44778        | 06667        | 608   | 0  | 0.5        | 0.9        |
| <b>20050411</b> | <b>65601</b> | <b>25384</b> | 156   | 1  | <b>1.2</b> | <b>2.7</b> |
| 20050420        | 65602        | 25386        | 248   | 0  | 0.6        | 0.8        |

**Air Temperature (C), moored buoys, April 2005**

| Datend   | WMO   | Argos | Recvd | GE | Bias | Std |
|----------|-------|-------|-------|----|------|-----|
| 20050430 | 61001 |       | 649   | 0  | 0.9  | 0.9 |
| 20050430 | 61002 |       | 357   | 0  | -0.1 | 1.0 |
| 20050430 | 62001 |       | 715   | 0  | -0.1 | 0.6 |
| 20050430 | 62029 |       | 714   | 1  | -0.3 | 0.9 |
| 20050430 | 62081 |       | 712   | 1  | -0.2 | 0.6 |
| 20050430 | 62090 |       | 565   | 1  | -0.8 | 1.5 |
| 20050430 | 62091 |       | 645   | 4  | -0.1 | 1.2 |
| 20050430 | 62092 |       | 694   | 0  | -0.5 | 0.8 |
| 20050430 | 62093 |       | 664   | 1  | 0.0  | 1.2 |
| 20050430 | 62094 |       | 699   | 3  | 0.1  | 0.9 |
| 20050430 | 62105 |       | 615   | 1  | -0.2 | 0.8 |
| 20050430 | 62108 |       | 680   | 1  | -0.2 | 0.7 |
| 20050430 | 62163 |       | 714   | 2  | -0.2 | 0.5 |
| 20050430 | 64045 |       | 701   | 1  | -0.1 | 0.7 |

**Wind direction (deg.), drifting buoys, April 2005**

| Datend   | WMO   | Argos | Recvd | GE | Bias | Std |
|----------|-------|-------|-------|----|------|-----|
| 20050430 | 62511 | 52195 | 552   | 10 | 6.   | 18. |
| 20050430 | 62566 | 42658 | 552   | 4  | -1.  | 24. |

**Wind direction (deg.), moored buoys, April 2005**

| Datend   | WMO          | Argos | Recvd | GE        | Bias | Std        |
|----------|--------------|-------|-------|-----------|------|------------|
| 20050430 | <b>61001</b> |       | 647   | <b>85</b> | -2.  | <b>33.</b> |
| 20050430 | 61002        |       | 378   | 13        | -6.  | 29.        |
| 20050430 | 62001        |       | 715   | 3         | 2.   | 21.        |
| 20050430 | 62029        |       | 692   | 3         | 2.   | 19.        |
| 20050430 | 62081        |       | 713   | 9         | 3.   | 20.        |
| 20050430 | 62090        |       | 560   | 6         | -2.  | 19.        |
| 20050430 | 62091        |       | 638   | 10        | -2.  | 23.        |
| 20050430 | 62092        |       | 697   | 5         | 3.   | 18.        |
| 20050430 | 62093        |       | 663   | 9         | -5.  | 23.        |
| 20050430 | 62094        |       | 697   | 18        | -1.  | 22.        |
| 20050430 | 62105        |       | 589   | 1         | 3.   | 17.        |
| 20050430 | 62108        |       | 661   | 14        | 1.   | 21.        |
| 20050430 | 62163        |       | 713   | 7         | 2.   | 21.        |



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### Wind speed rate, drifting buoys, April 2005

| Datend   | WMO   | Argos | Recvd | GE | Rate | Err |
|----------|-------|-------|-------|----|------|-----|
| 20050430 | 62511 | 52195 | 552   | 2  | 1.3  | 1.8 |
| 20050430 | 62566 | 42658 | 559   | 1  | 1.0  | 2.3 |

### Wind speed rate, moored buoys, April 2005

| Datend   | WMO   | Argos | Recvd | GE | Rate | Err |
|----------|-------|-------|-------|----|------|-----|
| 20050430 | 61001 |       | 650   | 0  | 1.4  | 1.7 |
| 20050430 | 61002 |       | 378   | 0  | 1.1  | 2.1 |
| 20050430 | 62001 |       | 715   | 0  | 1.2  | 1.7 |
| 20050430 | 62029 |       | 697   | 0  | 1.0  | 1.6 |
| 20050430 | 62081 |       | 713   | 0  | 0.9  | 1.7 |
| 20050430 | 62090 |       | 562   | 0  | 1.1  | 1.8 |
| 20050430 | 62091 |       | 641   | 2  | 1.3  | 2.0 |
| 20050430 | 62092 |       | 716   | 0  | 1.1  | 1.5 |
| 20050430 | 62093 |       | 664   | 0  | 0.9  | 1.9 |
| 20050430 | 62094 |       | 698   | 1  | 1.3  | 1.6 |
| 20050430 | 62105 |       | 615   | 3  | 1.0  | 1.8 |
| 20050430 | 62108 |       | 680   | 0  | 0.9  | 1.7 |
| 20050430 | 62163 |       | 714   | 1  | 1.1  | 1.7 |
| 20050430 | 64045 |       | 670   | 3  | 0.9  | 2.5 |

### Comments on QC statistics :

#### Air temperature

- 1 ConMar buoy 25384 (WMO **65601**) reported some dubious air temperature values before it stopped transmitting.

#### Wind

- 2 As usually, the Côte d'Azur moored buoy (WMO **61001**) is providing wind values for which the differences with model outputs show significant standard deviation and/or error. This is due to local effects which aren't correctly reproduced by the French global NWP model used for comparisons.

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](mailto:Pierre.Blouch@meteo.fr) for the password in case you forgot it.