



VOS MONTHLY REPORT
 April 2013

In April 2013, **294 manned and 1701 automated observations** were received in average per day from EUMETNET ships operating in the EUCOS area of interest (363 conventional VOS and 115 Shipborne Automatic Weather Stations (S-AWS)).

EUCOS Automated Weather Stations (AWS)

During the month, **ten AWS stations**, out of the thirteen funded by EUCOS, reported their observations onto the GTS.

| Ident. | Ship's name | CC | Last rep. | nobs | Remark |
|---------|------------------|----|-----------|-------------------|--------|
| BATEU00 | Mary Arctica | DK | 20130430 | 446 | |
| BATEU01 | Toronto Express | UK | 20130430 | 451 | |
| BATEU02 | Celtic Explorer | IR | 20130430 | 555 | |
| BATEU03 | Celtic Voyager | IR | 20130430 | 713 | |
| BATEU04 | Nuka Arctica | DK | 20130430 | 411 | |
| BATEU05 | Irena Arctica | DK | 20130430 | 181 | |
| BATEU06 | Montreal Express | UK | 20130429 | 448 | |
| BATEU07 | Mississauga Exp. | UK | 20130430 | 359 | |
| BATEU08 | Naja Arctica | DK | 20130430 | 455 | |
| BATEU09 | Urania | FR | 20130430 | 272 th | |

Six BaRos AWS stations installed on E-ASAP ships **and eleven** installed on other ships or on Cycfos moored buoy reported their data onto the GTS in April. Three stations are BaRos+. In addition to air pressure, they normally report air temperature, air humidity and wind. In order to correctly measure the wind, the sonic anemometer must be well exposed to the wind. It seems this is not the case here. Wind observations have been removed from the GTS for the 3 BaRos+ AWS on 6th February meanwhile better exposures are found.

| Ident. | Ship's name | CC | Last rep. | nobs | Remark |
|---------|-------------------|----|-----------|------|--|
| BAREU00 | Atlantic Compass | EU | 20130430 | 501 | |
| BAREU04 | Alantic Companion | EU | 20130430 | 549 | |
| BAREU08 | Liverpool Express | EU | 20130430 | 562 | |
| BAREU11 | Dublin Express | EU | 20130430 | 542 | |
| BAREU12 | Atlantic Conveyor | EU | 20130430 | 403 | |
| BAREU13 | Ottawa Express | EU | 20130430 | 563 | |
| BAREU51 | La Superba | IT | 20130430 | 413 | BaRos+ (Gill MetPak-II) - No wind reports |
| BAREU58 | Louis Majesty | CY | 20130430 | 405 | |
| BAREU60 | Dubrovnik | HR | 20130430 | 275 | |
| BAREU62 | Daniel A | IT | 20130430 | 308 | |
| BAREU63 | Jolly Grijo | IT | 20130417 | 88 | Ship sold. AWS ninstalled for another ship |
| BAREU64 | Alios | CY | | | Operations stopped - To be uninstalled |
| BAREU65 | Agean Dignity | GR | 20130430 | 463 | |
| BAREU66 | Excellent | IT | 20130430 | 447 | |
| BAREU67 | Hilde A | IT | 20130429 | 445 | BaRos+ S-AWS (WXT520). - No wind reports |
| BAREU68 | Cycfos buoy | CY | 20130430 | 720 | Cyprus moored buoy |
| BAREU69 | LNG Lirici | IT | 20130426 | 88 | |
| BAREU70 | Marguerite A | IT | 20130430 | 417 | |
| BAREU71 | Sete Citades | PT | | | Should be installed in May |

Inmarsat-C Half Compression deployment

KNMI continued to deploy the half compression technique on their conventional VOS. Raw data messages sent through Inmarsat-C (Borum LES - SAC 431) are processed at Meteo-France for GTS transmission. In April, 20 conventional VOS reported a total of **515** half compressed messages.

Useful links

The working area of the E-SURFMAR website <http://esurfmar.meteo.fr/wikisurf-wa/> is the place where you can get a lot of informations about the programme in general and its components (data buoys and VOS). Ask the E-SURFMAR Programme Manager Pierre.Blouch@meteo.fr for the password in case you forgot it. Notice you can participate in providing your own information to the PM or in writing directly on the website. This latest facility, easy to handle, may be provided to volunteers.

The E-SURFMAR metadata database address is <http://esurfmar.meteo.fr/doc/vosmetadata/> . This database contains the most recently updated WMO Pub47 metadata of the global WMO VOS fleet. Every day, extracts from the database are made available at <ftp://esurfmar.meteo.fr/pub/Pub47/> .

Monthly QC statistics and other quality control tools are available at:

<http://www.meteo.shom.fr/qctools/>

A “blacklist” of EUMETNET VOS reporting dubious air pressure values is displayed at:

<http://www.meteo2.shom.fr/qctools/sevblackap.htm>

VOS operators (focal points) and PMOs are invited to check whether their ships are not in this list and to take appropriate actions to correct possible problems if any.

A list of European AWS is available at http://www.meteo2.shom.fr/qctools/last-report-list_surfmar.htm. Updated every day, this list gives for each station: its operating country; the date of its first report (after September 2004); the date of its last report - in red for those which have not reported for more than 2 weeks - ; etc...

The official E-SURFMAR webpages are henceforth on the EUCOS Web site (<http://www.eucos.net/>). Choose “*EUCOS Networks*” then “*E-SURFMAR*” in the left menu.