



## VOS MONTHLY REPORT

March 2017

In March 2017, **176 manned and 2142 automated observations** were received in average per day from EUMETNET ships operating in the EUMETNET observation area of interest (241 conventional VOS and 134 Shipborne Automatic Weather Stations (S-AWS)).

All ship observations managed by European NMS are now sent onto the GTS in FM94 BUFR format. Native BUFR are made by Meteo-France for BaTos, BaRos, and Deck Drifters stations, as well as for conventional VOS using the half compression technique. Other data are the result of a FM13 to BUFR conversion. Template TM308009, presently used, should be replaced with template TM308014 within a few months. For more information...

See <https://software.ecmwf.int/wiki/display/TCBUF/E-SURFMAR>

### EUMETNET Automated Weather Stations (AWS)

During March, **nine BaTos AWS stations** installed onboard ships reported their observations onto the GTS.

Ident.	Ship's name	CC	Last rep.	nobs	Remark
BATEU00	Mary Arctica	DK	20170308	73	
BATEU01	Toronto Express	UK	20170331	532	
BATEU02	Celtic Explorer	IR	20170331	575	
BATEU03	Celtic Voyager	IR	20170331	225	
BATEU04	Nuka Arctica	DK	20170307	114	
BATEU05	Irena Arctica	DK	20170331	223	
BATEU06	Montreal Express	UK	20170331	493	
BATEU07	Mississauga Exp.	UK	20170331	394	
BATEU08	Naja Arctica	DK	20170331	501	
<del>BATEU10</del>	<del>Cap Finisterre</del>	<del>FR</del>	<del>20170202</del>	<del>33</del>	Now EUCFR01 (1st operational EUCAWS)

**Three BaRos AWS** stations installed on E-ASAP ships **and eight** installed on other ships reported their data onto the GTS in March. **Three stations** were 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. It seems this is not the case here for two out of them. Wind observations have been removed from the GTS for these meanwhile better exposures are found.

Ident.	Ship's name	CC	Last rep.	nobs	Remark
BAREU12	Atlantic Conveyor	EU	20170331	530	
BAREU13	Ottawa Express	EU	20170331	574	
BAREU14	Atlantic Cartier	EU	20170331	612	
BAREU51	La Superba	IT	20170319	112	BaRos+ (Gill MetPak-II) Stopped on 19 March
BAREU60	Dubrovnik	HR	20170330	48	
BAREU62	Daniel A	IT	20170331	384	
BAREU65	Agean Dignity	GR	20170331	522	
BAREU66	Excellent	IT	20170331	559	
BAREU67	Hilde A	IT	20170331	467	BaRos+ S-AWS (WXT520). - No wind reports
BAREU72	Vento di Levante	IT	20170331	459	
BAREU75	Cornelius A	IT	20170331	449	BaRos+ (MetPak-II)
<del>BAREU76</del>	<del>Manevai</del>	<del>FR</del>	<del>20161020</del>	<del>560</del>	BaRoMinos Suspended on 20 October 2016

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One **Deck Drifter** reported data in March.

Ident.	Ship's name	CC	Last rep.	nobs	Remark
IDDEU04	Sete Cidades	EU	20170331	744	

### Inmarsat-C Half Compression technique

Raw data messages sent through Inmarsat-C (Borum LES - SAC 431) are processed at Meteo-France for GTS transmission. Met Office and Netherlands use now this technique.  
In March, **16** conventional VOS reported a total of **1070** 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 [cmm\\_op@meteofr](mailto:cmm_op@meteofr) 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\\_vos.html](http://www.meteo2.shom.fr/qctools/last-report-list_surfmar_vos.html)

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 may be seen at <http://www.eumetnet.eu/e-surfmar/>.