



VOS MONTHLY REPORT
 April 2017

In April 2017, **211 manned and 2268 automated observations** were received in average per day from EUMETNET ships operating in the EUMETNET observation area of interest (258 conventional VOS and 138 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 April, **seven 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	0	No obs in April
BATEU01	Toronto Express	UK	20170430	487	
BATEU02	Celtic Explorer	IR	20170430	453	
BATEU03	Celtic Voyager	IR	20170429	437	
BATEU04	Nuka Arctica	DK	20170307	0	No obs in April
BATEU05	Irena Arctica	DK	20170426	197	
BATEU06	Montreal Express	UK	20170430	514	
BATEU07	Mississauga Exp.	UK	20170430	457	
BATEU08	Naja Arctica	DK	20170425	386	
BATEU10	Cap Finisterre	FR	20170202	23	Now EUCFR01 (1st operational EUCAWS)

Three BaRos AWS stations installed on E-ASAP ships **and seven** installed on other ships reported their data onto the GTS in April. **Two 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 one 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	20170430	568	
BAREU13	Ottawa Express	EU	20170430	492	
BAREU14	Atlantic Cartier	EU	20170430	531	
BAREU51	La Superba	IT	20170319	0	No obs in April
BAREU60	Dubrovnik	HR	20170430	154	
BAREU62	Daniel A	IT	20170430	280	
BAREU65	Agean Dignity	GR	20170430	458	
BAREU66	Excellent	IT	20170430	480	
BAREU67	Hilde A	IT	20170419	266	BaRos+ S-AWS (WXT520). - No wind reports
BAREU72	Vento di Levante	IT	20170430	448	
BAREU75	Cornelius A	IT	20170430	270	BaRos+ (MetPak-II)
BAREU76	Manevai	FR	20161020	560	BaRoMinos Suspended on 20 October 2016

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

Ident.	Ship's name	CC	Last rep.	nobs	Remark
IDDEU04	Sete Cidades	EU	20170420	479	

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 April, **21** conventional VOS reported a total of **2275** 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 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

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/>.