



## VOS MONTHLY REPORT

October 2016

In October 2016, **228 manned and 2174 automated observations** were received in average per day from EUMETNET ships operating in the EUMETNET observation area of interest (260 conventional VOS and 132 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, Deck Drifters and EUCAWS 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 October, **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	20161031	511	
BATEU01	Toronto Express	UK	20161031	473	
BATEU02	Celtic Explorer	IR	20161031	556	
BATEU04	Nuka Arctica	DK	20161031	403	
BATEU05	Irena Arctica	DK	20161031	392	
BATEU06	Montreal Express	UK	20161029	451	
BATEU07	Mississauga Exp.	UK	20161031	385	
BATEU08	Naja Arctica	DK	20161031	462	
BATEU10	Cap Finisterre	FR	20161031	642	

**Four BaRos AWS** stations installed on E-ASAP ships **and eleven** installed on other ships reported their data onto the GTS in October. 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. A novelty is one station BaRoMinos (Baros parts inside a Minos body), a special development installed on a sailing explorer ship which passed the North-West passage this summer.

Ident.	Ship's name	CC	Last rep.	nobs	Remark
BAREU08	Liverpool Express	EU	20161031	560	
BAREU12	Atlantic Conveyor	EU	20161031	574	
BAREU13	Ottawa Express	EU	20161031	524	
BAREU14	Atlantic Cartier	EU	20161031	582	
BAREU51	La Superba	IT	20161031	564	BaRos+ (Gill MetPak-II)
BAREU60	Dubrovnik	HR	20161031	213	
BAREU62	Daniel A	IT	20161031	364	
BAREU65	Aegean Dignity	GR	20161031	599	
BAREU66	Excellent	IT	20161031	612	
BAREU67	Hilde A	IT	20161031	472	BaRos+ S-AWS (WXT520). - No wind reports
BAREU70	Marguerite A	IT	20161031	423	
BAREU72	Natalia A	IT	20161031	455	
BAREU74	Ayse	IT	20161025	249	disassembled on 25 October
BAREU75	Cornelius A	IT	20161031	346	BaRos+ (MetPak-II) - Name change
BAREU76	Manevai	FR	20161020	560	BaRoMinos Suspended on 20 October

## E-SURFMAR VOS Monthly Report October 2016

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

Ident.	Ship's name	CC	Last rep.	nobs	Remark
IDDEU03	Fulmar	EU	20160917	47	
IDDEU04	Sete Cidades	EU	20161031	740	Deck Drifter installs since 14th July

No **EUCAWS** prototype was operating in October.

Ident.	Ship's name	CC	Last rep.	nobs	Remark
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### 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 October, **13** conventional VOS reported a total of **1530** 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 October 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/>.