



## VOS MONTHLY REPORT October 2015

In October 2015, **211 manned and 1972 automated observations** were received in average per day from EUMETNET ships operating in the EUMETNET observation area of interest (298 conventional VOS and 128 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 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 by 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, **ten 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	20151031	239	
BATEU01	Toronto Express	UK	20151031	618	
BATEU02	Celtic Explorer	IR	20151031	454	
BATEU03	Celtic Voyager	IR	20141031	604	
BATEU04	Nuka Arctica	DK	20151031	408	
BATEU05	Irena Arctica	DK	20151031	287	
BATEU06	Montreal Express	UK	20151031	500	
BATEU07	Mississauga Exp.	UK	20151031	405	
BATEU08	Naja Arctica	DK	20151031	438	
BATEU10	Cap Finisterre	FR	20151031	634	
BATEU11	Minerva Uno	IT			Installed in September. Waiting for sensors.

**Six BaRos AWS** stations installed on E-ASAP ships **and eleven** installed on other ships reported their data onto the GTS in October. Four 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
BAREU00	Atlantic Compass	EU	20151031	557	
BAREU04	Alantic Companion	EU	20150529		Ship not operating in Oct. or AWS down
BAREU08	Liverpool Express	EU	20151031	581	
BAREU11	Dublin Express	EU	20151031	581	
BAREU12	Atlantic Conveyor	EU	20151031	576	
BAREU13	Ottawa Express	EU	20151024	412	
BAREU14	Atlantic Cartier	EU	20151031	502	
BAREU51	La Superba	IT	20151031	493	BaRos+ (Gill MetPak-II)
BAREU60	Dubrovnik	HR	20151031	236	
BAREU62	Daniel A	IT	20151031	404	
BAREU65	Agean Dignity	GR	20151031	620	
BAREU66	Excellent	IT	20151031	499	
BAREU67	Hilde A	IT	20151031	458	BaRos+ S-AWS (WXT520). - No wind reports
BAREU70	Marguerite A	IT	20151031	502	
BAREU71	Sete Cidades	PT	20150424		BaRos+ (MetPak-II) - No obs. in October
BAREU72	Natalia A	IT	20151031	361	
BAREU74	Ayse	IT	20151031	481	
BAREU75	Horace A	IT	20151031	552	BaRos+ (MetPak-II) - Acceptable wind reports

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One “**Deck Drifter**” was put onboard French Navy tug Malabar on route to Labrador and Baffin Bay. The ship left Brest on the 31<sup>st</sup> of August (callsign IDDEU02). During October, drifting buoy WMO 6500515, picked up by a Greenlandic crab fishboat, was converted into a “deck drifter” for GTS data transmission (callsign IDDEUAC).

Ident.	Ship's name	CC	Last rep.	nobs	Remark
IDDEU02	Malabar	EU	20151022	492	
IDDEUAC	Greenlandic boat	EU	20151005	108	Until the buoy is re-deployed
IDDEUAD	Norwegian boat	EU	20151023	22	Until the buoy is re-deployed

One **EUCAWS** prototype was operating in October.

Ident.	Ship's name	CC	Last rep.	nobs	Remark
EUCEU02	Lagarfoss	EU	20151031	796	EUCAWS prototype installed by KNMI

### Inmarsat-C Half Compression technique

Raw data messages sent through Inmarsat-C (Burm LES - SAC 431) are processed at Meteo-France for GTS transmission. Met Office also started the deployment of the technique on UK recruited VOS. In October, 7 conventional VOS reported a total of **300** 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](mailto: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\\_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/>.