



**VOS MONTHLY REPORT**  
September 2015

In September 2015, **220 manned and 1891 automated observations** were received in average per day from EUMETNET ships operating in the EUMETNET observation area of interest (306 conventional VOS and 125 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 September, **ten BaTos AWS stations** installed onboard ships reported their observations onto the GTS. This of RV Urania moved to RV Minerva Uno.

Ident.	Ship's name	CC	Last rep.	nobs	Remark
BATEU00	Mary Arctica	DK	20150930	276	
BATEU01	Toronto Express	UK	20150930	616	
BATEU02	Celtic Explorer	IR	20150930	430	
BATEU03	Celtic Voyager	IR	20140930	349	
BATEU04	Nuka Arctica	DK	20150928	371	
BATEU05	Irena Arctica	DK	20150930	377	
BATEU06	Montreal Express	UK	20150930	497	
BATEU07	Mississauga Exp.	UK	20150930	415	
BATEU08	Naja Arctica	DK	20150930	119	
BATEU10	Cap Finisterre	FR	20150930	619	
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 September. 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	20150930	583	
BAREU04	Alantic Companion	EU	20150529		Ship not operating in Sept. or AWS down
BAREU08	Liverpool Express	EU	20150930	540	
BAREU11	Dublin Express	EU	20150929	542	
BAREU12	Atlantic Conveyor	EU	20150930	419	
BAREU13	Ottawa Express	EU	20150930	206	
BAREU14	Atlantic Cartier	EU	20150930	401	
BAREU51	La Superba	IT	20150930	470	BaRos+ (Gill MetPak-II)
BAREU60	Dubrovnik	HR	20150930	315	
BAREU62	Daniel A	IT	20150930	305	
BAREU65	Aegean Dignity	GR	20150930	628	
BAREU66	Excellent	IT	20150930	450	
BAREU67	Hilde A	IT	20150930	463	BaRos+ S-AWS (WXT520). - No wind reports
BAREU70	Marguerite A	IT	20150930	473	
BAREU71	Sete Cidades	PT	20150424		BaRos+ (MetPak-II) - No obs. in September
BAREU72	Natalia A	IT	20150930	333	
BAREU74	Ayse	IT	20150930	485	
BAREU75	Horace A	IT	20150930	261	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 September, 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	20150930	720	
IDDEUAC	Greenlandic boat	EU	20150930	35	

One **EUCAWS** prototype was operating on a German vessel in September.

Ident.	Ship's name	CC	Last rep.	nobs	Remark
EUCEU01	Alkor	EU	20150917	391	

### 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 also started the deployment of the technique on UK recruited VOS. In September, 8 conventional VOS reported a total of **229** 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.htm](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 may be seen at <http://www.eumetnet.eu/e-surfmar/>.