



VOS MONTHLY REPORT
 November 2015

In November 2015, **195 manned and 1798 automated observations** were received in average per day from EUMETNET ships operating in the EUMETNET observation area of interest (287 conventional VOS and 120 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 November, **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	20151130	279	
BATEU01	Toronto Express	UK	20151130	596	
BATEU02	Celtic Explorer	IR	20151129	351	
BATEU03	Celtic Voyager	IR	20141130	301	
BATEU04	Nuka Arctica	DK	20151130	353	
BATEU05	Irena Arctica	DK	20151130	339	
BATEU06	Montreal Express	UK	20151130	446	
BATEU07	Mississauga Exp.	UK	20151130	405	
BATEU08	Naja Arctica	DK	20151130	466	
BATEU10	Cap Finisterre	FR	20151130	608	
BATEU11	Minerva Uno	IT			Installed in September. Waiting for sensors.

Five BaRos AWS stations installed on E-ASAP ships **and ten** installed on other ships reported their data onto the GTS in November. 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
BAREU00	Atlantic Compass	EU	20151129	572	
BAREU04	Alantic Companion	EU	20150529		AWS under repair
BAREU08	Liverpool Express	EU	20151130	565	
BAREU11	Dublin Express	EU	20151130	524	
BAREU12	Atlantic Conveyor	EU	20151130	562	
BAREU13	Ottawa Express	EU	20151130	576	
BAREU14	Atlantic Cartier	EU	20151027		No observation in November
BAREU51	La Superba	IT	20151130	376	BaRos+ (Gill MetPak-II)
BAREU60	Dubrovnik	HR	20151130	88	
BAREU62	Daniel A	IT	20151130	338	
BAREU65	Agean Dignity	GR	20151130	625	
BAREU66	Excellent	IT	20151130	526	
BAREU67	Hilde A	IT	20151130	416	BaRos+ S-AWS (WXT520). - No wind reports
BAREU70	Marguerite A	IT	20151130	398	
BAREU71	Sete Cidades	PT	20150424		BaRos+ (MetPak-II) - No obs. in November
BAREU72	Natalia A	IT	20151130	321	
BAREU74	Ayse	IT	20151130	421	
BAREU75	Horace A	IT	20151130	355	BaRos+ (MetPak-II) - Acceptable wind reports

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One “**Deck Drifter**” was put onboard French Navy ship Fulmar operating from Saint-Pierre et Miquelon (south of Newfoundland). During November, drifting buoy WMO 6500515, picked up by a Greenlandic crab fishboat, was converted into a “deck drifter” for GTS data transmission (callsign IDDEUAC) before its re-deployment.

Ident.	Ship's name	CC	Last rep.	nobs	Remark
IDDEU03	Fulmar	EU	20151126	98	
IDDEUAC	Greenlandic boat	EU	20151116	178	Until the buoy is re-deployed

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

Ident.	Ship's name	CC	Last rep.	nobs	Remark
EUCEU02	Lagarfoss	EU	20151130	710	EUCAWS prototype installed by KNMI

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 November, 7 conventional VOS reported a total of **317** 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 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/>.