



**VOS MONTHLY REPORT**  
February 2015

In February 2015, **231 manned and 1774 automated observations** were received in average per day from EUMETNET ships operating in the EUMETNET observation area of interest (311 conventional VOS and 118 Shipborne Automatic Weather Stations (S-AWS)).

Since mid-February 2014, FM13 messages received at KNMI through Inmarsat-C (Burum station operated by Stratos), or by email, are forwarded to Meteo-France. There, they are transmitted onto the GTS under headers S[M,I,N]V[A-Z]14 LFPW. In parallel they are converted in BUFR and transmitted in that format.

**EUMETNET Automated Weather Stations (AWS)**

During February, **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	20150228	375	
BATEU01	Toronto Express	UK	20150228	552	
BATEU02	Celtic Explorer	IR	20150228	352	
BATEU03	Celtic Voyager	IR	20140930		Ship not operating since October 2014
BATEU04	Nuka Arctica	DK	20140531		No data for a while
BATEU05	Irena Arctica	DK	20150228	143	
BATEU06	Montreal Express	UK	20150228	458	
BATEU07	Mississauga Exp.	UK	20150228	319	
BATEU08	Naja Arctica	DK	20150216	296	
BATEU09	Urania	FR	20141130		Ship not operating in February
BATEU10	Cap Finisterre	FR	20150114		Ship not operating in February

**Seven BaRos AWS stations** installed on E-ASAP ships and **ten** installed on other ships reported their data onto the GTS in February. 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	20150228	499	
BAREU04	Alantic Companion	EU	20150228	554	
BAREU08	Liverpool Express	EU	20150228	520	
BAREU11	Dublin Express	EU	20150228	520	
BAREU12	Atlantic Conveyor	EU	20150228	416	
BAREU13	Ottawa Express	EU	20150228	529	
BAREU14	Atlantic Cartier	EU	20150228	429	
BAREU51	La Superba	IT	20141130		BaRos+ (Gill MetPak-II) - No obs. in Feb.
BAREU60	Dubrovnik	HR	20150228	59	
BAREU62	Daniel A	IT	20150228	190	
BAREU65	Agean Dignity	GR	20150228	434	
BAREU66	Excellent	IT	20150228	449	
BAREU67	Hilde A	IT	20150204	57	BaRos+ S-AWS (WXT520). - No wind reports
BAREU70	Marguerite A	IT	20150228	419	
BAREU71	Sete Cidades	PT	20150228	382	BaRos+ (MetPak-II) - Reliable wind reports
BAREU72	Natalia A	IT	20150228	139	
BAREU74	Ayse	IT	20150228	265	
BAREU75	Horace A	IT	20150228	639	BaRos+ (MetPak-II) - Acceptable wind reports

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One EUCAWS prototype was operating on a ferry plying between France and UK during February.

Ident.	Ship's name	CC	Last rep.	nobs	Remark
EUCEU00	Armorique	EU	20150224	682	

### Inmarsat-C Half Compression deployment

KNMI continued to deploy the half compression technique on their conventional VOS. Raw data messages sent through Inmarsat-C (Burum 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 February, 12 conventional VOS reported a total of **247** 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/>.