



VOS MONTHLY REPORT December 2014

In December 2014, **255 manned and 1626 automated observations** were received in average per day from EUMETNET ships operating in the EUMETNET observation area of interest (328 conventional VOS and 116 Shipborne Automatic Weather Stations (S-AWS)).

Since mid-February 2014, FM13 messages received at KNMI through Inmarsat-C (Borum 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 December, **eight AWS stations** installed onboard ships reported their observations onto the GTS.

Ident.	Ship's name	CC	Last rep.	nobs	Remark
BATEU00	Mary Arctica	DK	20141231	440	
BATEU01	Toronto Express	UK	20141231	509	
BATEU02	Celtic Explorer	IR	20141229	297	
BATEU03	Celtic Voyager	IR	20140930		Ship not operating in December
BATEU04	Nuka Arctica	DK	20140531		No data since May => should be replaced
BATEU05	Irena Arctica	DK	20141231	451	
BATEU06	Montreal Express	UK	20141231	449	
BATEU07	Mississauga Exp.	UK	20131224	285	
BATEU08	Naja Arctica	DK	20141231	482	
BATEU09	Urania	FR	20141130		Ship not operating in December
BATEU10	Cap Finisterre	FR	20141230	496	

Seven BaRos AWS stations installed on E-ASAP ships and **eleven** installed on other ships reported their data onto the GTS in December. Three stations are 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	20141108		No observations in December
BAREU04	Alantic Companion	EU	20141231	595	
BAREU08	Liverpool Express	EU	20141231	536	
BAREU11	Dublin Express	EU	20141231	608	
BAREU12	Atlantic Conveyor	EU	20141230	523	
BAREU13	Ottawa Express	EU	20141231	613	
BAREU14	Atlantic Cartier	EU	20141231	512	
BAREU51	La Superba	IT	20141130		BaRos+ (Gill MetPak-II) - No obs. In Dec.
BAREU60	Dubrovnik	HR	20141231	40	
BAREU62	Daniel A	IT	20141215	218	
BAREU65	Agean Dignity	GR	20141231	651	
BAREU66	Excellent	IT	20141231	497	
BAREU67	Hilde A	IT	20141231	475	BaRos+ S-AWS (WXT520). - No wind reports
BAREU70	Marguerite A	IT	20141231	439	
BAREU71	Sete Cidades	PT	20141231	259	BaRos+ (MetPak-II) - Reliable wind reports
BAREU72	Natalia A	IT	20141231	334	
BAREU74	Ayse	IT	20141231	420	
BAREU75	Horace A	IT	20141231	440	

Inmarsat-C Half Compression deployment

KNMI continued to deploy the half compression technique on their conventional VOS. 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 December, 14 conventional VOS reported a total of **665** 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.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/>.