



**VOS MONTHLY REPORT
December 2013**

In December 2013, **260 manned and 1658 automated observations** were received in average per day from EUMETNET ships operating in the EUMETNET observation area of interest (336 conventional VOS and 117 Shipborne Automatic Weather Stations (S-AWS)).

EUMETNET Automated Weather Stations (AWS)

During the month, **eight AWS stations**, out of the thirteen funded by EUMETNET, reported their observations onto the GTS. It must be noted that, on two ships, Montreal Express and Cap Finisterre, pressure measurements suffer from a lack of accuracy in windy conditions. This could be due to a wrong position of the barometer outside the bridge.

Ident.	Ship's name	CC	Last rep.	nobs	Remark
BATEU00	Mary Arctica	DK	20131231	548	Operating her annual Antarctic voyage
BATEU01	Toronto Express	UK	20131231	480	
BATEU02	Celtic Explorer	IR	20131130		Stopped transmitting in November
BATEU03	Celtic Voyager	IR	20131220	416	
BATEU04	Nuka Arctica	DK	20131110		Stopped transmitting in November
BATEU05	Irena Arctica	DK	20131229	385	
BATEU06	Montreal Express	UK	20131231	403	
BATEU07	Mississauga Exp.	UK	20130723		Failed - No report in December
BATEU08	Naja Arctica	DK	20131231	528	
BATEU09	Urania	FR	20131231	363	
BATEU10	Cap Finisterre	FR	20131231	578	

Seven BaRos AWS stations installed on E-ASAP ships **and eleven** installed on other ships or on Cycfos moored buoy 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. The observations of the Cycfos buoy (WMO 1200050) are no longer counted among BaRos S-AWS observations. The status of this station is henceforth reported in the data buoy report.

Ident.	Ship's name	CC	Last rep.	nobs	Remark
BAREU00	Atlantic Compass	EU	20131231	568	
BAREU04	Alantic Companion	EU	20131231	615	
BAREU08	Liverpool Express	EU	20131231	591	
BAREU11	Dublin Express	EU	20131231	503	
BAREU12	Atlantic Conveyor	EU	20131231	453	
BAREU13	Ottawa Express	EU	20131215	286	
BAREU14	Atlantic Cartier	EU	20131231	428	Installed on December 8 th
BAREU51	La Superba	IT	20131231	517	BaRos+ (Gill MetPak-II) - No wind reports
BAREU58	Louis Majesty	CY	20131124		Stopped transmitting in November
BAREU60	Dubrovnik	HR	20131231	46	
BAREU62	Daniel A	IT	20131231	385	
BAREU65	Agean Dignity	GR	20131231	675	
BAREU66	Excellent	IT	20131231	513	
BAREU67	Hilde A	IT	20131231	511	BaRos+ S-AWS (WXT520). - No wind reports
BAREU69	LNG Lirici	IT	20131231	473	
BAREU70	Marguerite A	IT	20131231	442	
BAREU71	Sete Citades	PT	20131231	235	BaRos+ (MetPak-II) - Reliable wind reports
BAREU72	Natalia A	IT	20131231	442	

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. In December, 17 conventional VOS reported a total of **478** 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 are henceforth on the EUCOS Web site (<http://www.eucos.net/>). Choose “*EUCOS Networks*” then “*E-SURFMAR*” in the left menu.