



## VOS MONTHLY REPORT April 2014

In April 2014, **234 manned and 1826 automated observations** were received in average per day from EUMETNET ships operating in the EUMETNET observation area of interest (334 conventional VOS and 124 Shipborne Automatic Weather Stations (S-AWS)).

Since mid-February, 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 April, the **eleven AWS stations** installed onboard ships reported their observations onto the GTS.

Ident.	Ship's name	CC	Last rep.	nobs	Remark
BATEU00	Mary Arctica	DK	20140430	425	
BATEU01	Toronto Express	UK	20140430	415	
BATEU02	Celtic Explorer	IR	20140430	533	
BATEU03	Celtic Voyager	IR	20140430	503	
BATEU04	Nuka Arctica	DK	20140427	309	
BATEU05	Irena Arctica	DK	20140430	313	
BATEU06	Montreal Express	UK	20140430	427	
BATEU07	Mississauga Exp.	UK	20130430	412	
BATEU08	Naja Arctica	DK	20140430	29	
BATEU09	Urania	FR	20140430	367	
BATEU10	Cap Finisterre	FR	20140430	583	

**Seven BaRos AWS** stations installed on E-ASAP ships **and ten** installed on other ships or on Cycofos moored buoy reported their data onto the GTS in April. 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 Cycofos 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	20140430	311	
BAREU04	Alantic Companion	EU	20140405	90	Failed in April - Replaced in May
BAREU08	Liverpool Express	EU	20140430	570	
BAREU11	Dublin Express	EU	20140430	590	
BAREU12	Atlantic Conveyor	EU	20140430	548	
BAREU13	Ottawa Express	EU	20140430	607	
BAREU14	Atlantic Cartier	EU	20140430	206	
BAREU51	La Superba	IT	20140430	475	BaRos+ (Gill MetPak-II) - No wind reports
BAREU58	Louis Majesty	CY	20140423	339	
BAREU60	Dubrovnik	HR	20140430	190	
BAREU62	Daniel A	IT	20140430	188	
BAREU65	Agean Dignity	GR	20140430	338	
BAREU66	Excellent	IT	20140430	523	
BAREU67	Hilde A	IT	20140430	466	BaRos+ S-AWS (WXT520). - No wind reports
BAREU69	LNG Lirici	IT	20140321		Dismounted then installed on Ayse (BAREU74)

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BAREU70	Marguerite A	IT	20140430	397	
BAREU71	Sete Cidades	PT	20140430	404	BaRos+ (MetPak-II) - Reliable wind reports
BAREU72	Natalia A	IT	20140430	184	
BAREU74	Ayse	IT	20140503		Installed on May 3th, 2014

### 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 April, 19 conventional VOS reported a total of **427** 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/>.