



VOS MONTHLY REPORT September 2014

In September 2014, **241 manned and 1986 automated observations** were received in average per day from EUMETNET ships operating in the EUMETNET observation area of interest (318 conventional VOS and 126 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 Météo-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 September, **ten AWS stations** installed onboard ships reported their observations onto the GTS.

Ident.	Ship's name	CC	Last rep.	nobs	Remark
BATEU00	Mary Arctica	DK	20140930	469	
BATEU01	Toronto Express	UK	20140930	451	
BATEU02	Celtic Explorer	IR	20140930	449	
BATEU03	Celtic Voyager	IR	20140930	646	
BATEU04	Nuka Arctica	DK	20140531		Ship not operating in September ?
BATEU05	Irena Arctica	DK	20140930	324	
BATEU06	Montreal Express	UK	20140930	404	
BATEU07	Mississauga Exp.	UK	20130930	431	
BATEU08	Naja Arctica	DK	20140930	436	
BATEU09	Urania	FR	20140930	494	
BATEU10	Cap Finisterre	FR	20140930	621	

Seven BaRos AWS stations installed on E-ASAP ships and **ten** installed on other ships reported their data onto the GTS in September. 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	20140930	554	
BAREU04	Alantic Companion	EU	20140930	562	
BAREU08	Liverpool Express	EU	20140914	257	Interruption of measurements (unknown reason)
BAREU11	Dublin Express	EU	20140930	534	
BAREU12	Atlantic Conveyor	EU	20140930	357	
BAREU13	Ottawa Express	EU	20140930	581	
BAREU14	Atlantic Cartier	EU	20140930	585	
BAREU51	La Superba	IT	20140930	507	BaRos+ (Gill MetPak-II) - No wind reports
BAREU58	Louis Majesty	CY	20140423		No measurements in September
BAREU60	Dubrovnik	HR	20140930	307	
BAREU62	Daniel A	IT	20140924	348	
BAREU65	Agean Dignity	GR	20140930	236	
BAREU66	Excellent	IT	20140930	580	
BAREU67	Hilde A	IT	20140930	434	BaRos+ S-AWS (WXT520). - No wind reports
BAREU70	Marguerite A	IT	20140930	424	
BAREU71	Sete Cidades	PT	20140926	284	BaRos+ (MetPak-II) - Reliable wind reports
BAREU72	Natalia A	IT	20140930	348	
BAREU74	Ayse	IT	20140930	389	

E-SURFMAR VOS Monthly Report September 2014

A drifting buoy was put onboard French navy tug Tenace to serve as an E-SURFMAR AWS. This type of AWS is called "**Deck Drifter**". The ship started a campaign in the Arctic in mid-September.

Ident.	Ship's name	CC	Last rep.	nobs	Remark
IDDEU00	Tenace	EU	20140930	720	

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 September, 19 conventional VOS reported a total of **615** 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/>.