



VOS MONTHLY REPORT June 2015

In June 2015, **242 manned and 1879 automated observations** were received in average per day from EUMETNET ships operating in the EUMETNET observation area of interest (315 conventional VOS and 124 Shipborne Automatic Weather Stations (S-AWS)).

All ship observations managed by European NMS are now sent onto the GTS in FM94 BUFR format. Native BUFR are made by Meteo-France for BaTos, BaRos and EUCAWS stations, as well as for conventional VOS using the half compression technique. Other data are the result of a FM13 to BUFR conversion. Template TM308009, presently used, should be replaced by template TM308014 within a few months. For more information... see <https://software.ecmwf.int/wiki/display/TCBUF/E-SURFMAR>

EUMETNET Automated Weather Stations (AWS)

During June, **eight 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	20150630	229	
BATEU01	Toronto Express	UK	20150630	566	
BATEU02	Celtic Explorer	IR	20150630	324	
BATEU03	Celtic Voyager	IR	20140614	121	
BATEU04	Nuka Arctica	DK	20150630	381	
BATEU05	Irena Arctica	DK	20150329		Ship not operating in June or AWS down
BATEU06	Montreal Express	UK	20150629	500	
BATEU07	Mississauga Exp.	UK	20150630	336	
BATEU08	Naja Arctica	DK	20150511		Ship not operating in June or AWS down
BATEU09	Urania	FR	20141130		Ship not operating in June
BATEU10	Cap Finisterre	FR	20150630	625	

Seven BaRos AWS stations installed on E-ASAP ships **and ten** installed on other ships reported their data onto the GTS in June. Four 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	20150630	604	
BAREU04	Alantic Companion	EU	20150529		Ship not operating in June or AWS down
BAREU08	Liverpool Express	EU	20150629	489	
BAREU11	Dublin Express	EU	20150630	554	
BAREU12	Atlantic Conveyor	EU	20150630	569	
BAREU13	Ottawa Express	EU	20150608	121	
BAREU14	Atlantic Cartier	EU	20150630	590	
BAREU51	La Superba	IT	20150630	463	BaRos+ (Gill MetPak-II)
BAREU60	Dubrovnik	HR	20150630	318	
BAREU62	Daniel A	IT	20150630	328	
BAREU65	Agean Dignity	GR	20150630	407	
BAREU66	Excellent	IT	20150630	203	
BAREU67	Hilde A	IT	20150630	386	BaRos+ S-AWS (WXT520). - No wind reports
BAREU70	Marguerite A	IT	20150630	405	
BAREU71	Sete Cidades	PT	20150424		BaRos+ (MetPak-II) - No obs. in June
BAREU72	Natalia A	IT	20150629	382	
BAREU74	Ayse	IT	20150630	412	
BAREU75	Horace A	IT	20150630	458	BaRos+ (MetPak-II) - Acceptable wind reports

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In the beginning of June, it was decided to report pressure values measured by buoys picked up by ships as “Deck Drifter” until they are possibly re-deployed. Two buoys were concerned in June.

Ident.	Ship's name	CC	Last rep.	nobs	Remark
IDDEUAA	Spanish fish boat	EU	20150611	47	Between Vigo and Azores
IDDEUAB	Oceanic Champion	EU	20150630	157	Along Norwegian coast off Bergen

Inmarsat-C Half Compression technique

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 June, 10 conventional VOS reported a total of **258** 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/>.