



## VOS MONTHLY REPORT July 2015

In July 2015, **238 manned and 1901 automated observations** were received in average per day from EUMETNET ships operating in the EUMETNET observation area of interest (316 conventional VOS and 125 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 July, only **seven 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	20150731	237	
BATEU01	Toronto Express	UK	20150731	619	
BATEU02	Celtic Explorer	IR	20150731	363	
BATEU03	Celtic Voyager	IR	20140614		Ship not operating in July
BATEU04	Nuka Arctica	DK	20150731	390	
BATEU05	Irena Arctica	DK	20150329		Ship not operating in July or AWS down
BATEU06	Montreal Express	UK	20150731	518	
BATEU07	Mississauga Exp.	UK	20150728	379	
BATEU08	Naja Arctica	DK	20150511		Ship not operating in July or AWS down
BATEU09	Urania	FR	20141130		Ship not operating in July
BATEU10	Cap Finisterre	FR	20150731	642	

**Five BaRos AWS** stations installed on E-ASAP ships and **ten** installed on other ships reported their data onto the GTS in July. 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	20150731	592	
BAREU04	Alantic Companion	EU	20150529		Ship not operating in July or AWS down
BAREU08	Liverpool Express	EU	20150731	397	
BAREU11	Dublin Express	EU	20150724	451	
BAREU12	Atlantic Conveyor	EU	20150731	516	
BAREU13	Ottawa Express	EU	20150608		Ship not operating in July or AWS down
BAREU14	Atlantic Cartier	EU	20150731	617	
BAREU51	La Superba	IT	20150731	539	BaRos+ (Gill MetPak-II)
BAREU60	Dubrovnik	HR	20150731	376	
BAREU62	Daniel A	IT	20150731	370	
BAREU65	Agean Dignity	GR	20150731	522	
BAREU66	Excellent	IT	20150731	248	
BAREU67	Hilde A	IT	20150731	397	BaRos+ S-AWS (WXT520). - No wind reports
BAREU70	Marguerite A	IT	20150731	106	
BAREU71	Sete Cidades	PT	20150424		BaRos+ (MetPak-II) - No obs. in July
BAREU72	Natalia A	IT	20150731	306	
BAREU74	Ayse	IT	20150731	453	
BAREU75	Horace A	IT	20150730	389	BaRos+ (MetPak-II) - Acceptable wind reports

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

Ident.	Ship's name	CC	Last rep.	nobs	Remark
IDDEUAB	Oceanic Champion	EU	20150710	225	Along Norwegian coast off Bergen

One EUCAWS prototype was installed and operating on a German vessel in July.

Ident.	Ship's name	CC	Last rep.	nobs	Remark
EUCEU01	Alkor	EU	20150731	516	

### 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 July, 11 conventional VOS reported a total of **395** 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/>.