

VOS Quality Control Tools at Météo-France

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Outlines



- **Primarily developed for data buoys**
 - Extended to VOS observations when Meteo-France became responsible for E-SURFMAR (2003)
- **Principle**
 - Surface Marine Observations are compared to model outputs
- **Results used to issue**
 - Monthly statistics
 - Data and QC plots over the past 2 weeks (daily updated)
 - Black lists of stations reporting dubious values (daily updated)
- **... made available on the Web for DBCP and SOT communities**

Recent enhancements



Surface Marine Programme

- **More parameters are compared to model outputs**
 - Humidity, waves height and period, surface salinity
 - As for wind speed, some results are rather presented under the form of rates (obs/model) than this of differences.(obs-model)

- **More models are used**
 - ECMWF analysis in parallel of Arpege ones
 - Mercator analysis and forecasts for surface temperature and salinity

- **Use of a sea/land mask**
 - For all parameters excepted air pressure
 - Interpolated data are so more representative of the conditions at sea

- **Use of ships metadata**
 - To bring the wind speed at 10 metres before comparisons with model outputs, for instance

<http://www.meteo.shom.fr/qctools/>