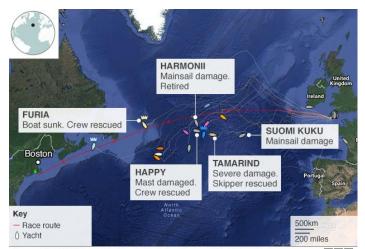
201706 - Windstorm - N Atlantic

Status: Finalised Material from: Linus

1. Impact



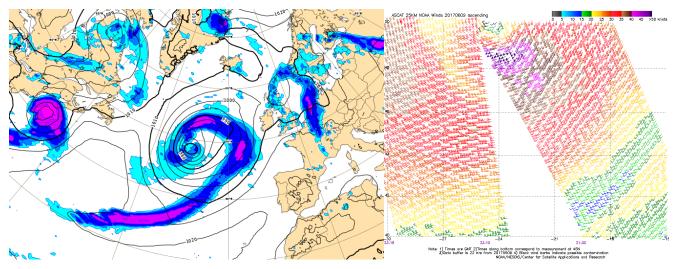
Source: RWYC, Yellow Brick, Google. Note: tracking as of 15:45 BST, 10 June

Storm on the Atlantic. The boats participated in the race OSTAR 2017 (single-handed crossing of the Atlantic).

For more info, see http://www.bbc.co.uk/news/uk-40234274

2. Description of the event

The plots below show the MSLP and precipitation in a short forecast valid 12UTC on 9 June and ASCAT winds valid 22UTC on 9 June.



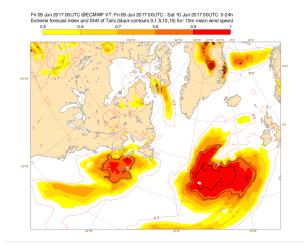
3. Predictability

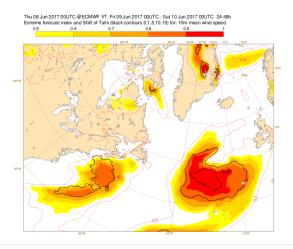
3.1 Data assimilation

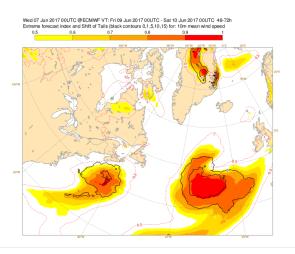
3.2 HRES

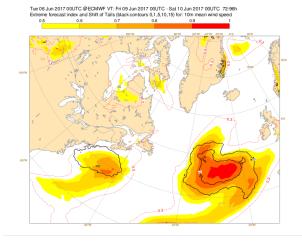
3.3 ENS

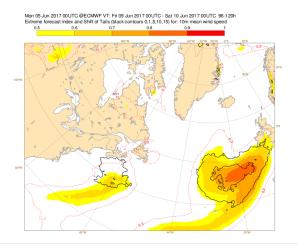
The plots below show the EFI and SOT for mean wind speed valid 9 June.

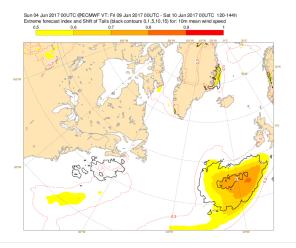


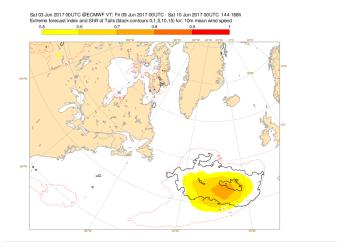




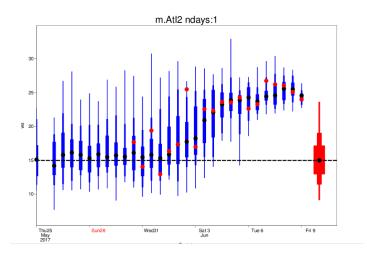




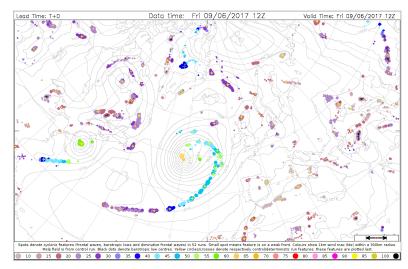


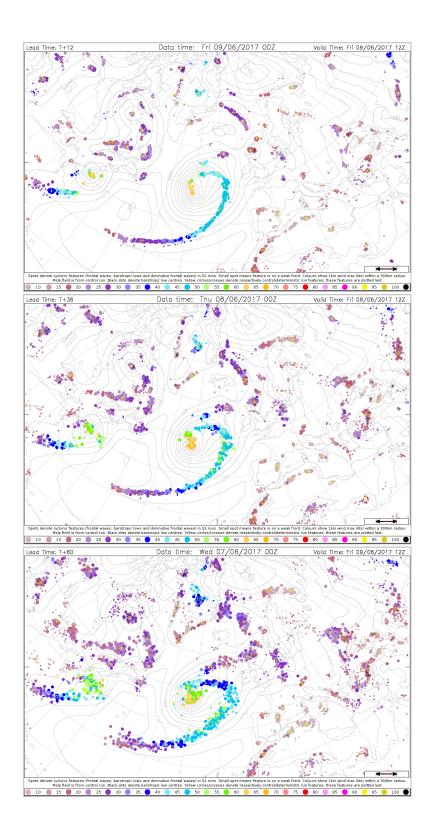


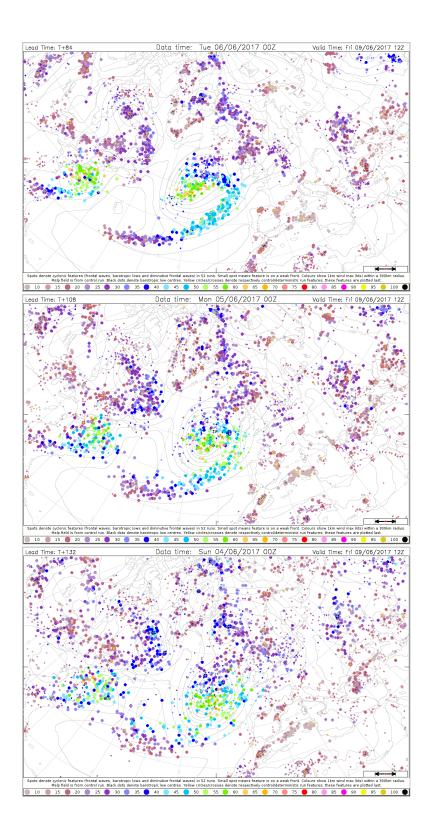
The plot below shows the ensemble evolution for the 24-hour maximum mean wind speed on 9 June in the box 45-55N, 20W-30W. The ensemble distribution is shown in blue, HREs as red dots, and the model climate valid for June in red box-and-whisker. From 4 June and onwards the ensemble median was above the 99th percentile of the model climate.

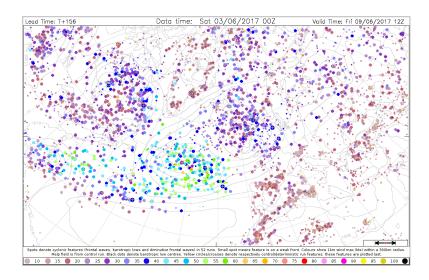


The plots below show the cyclone features in forecasts valid 12UTC on 9 June.



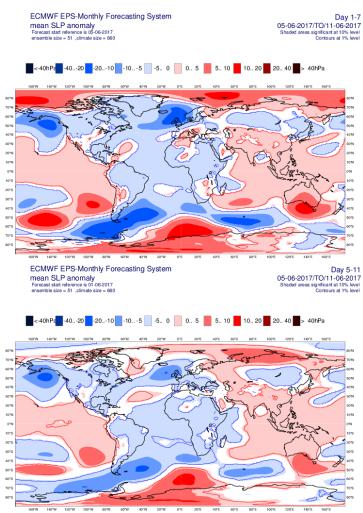


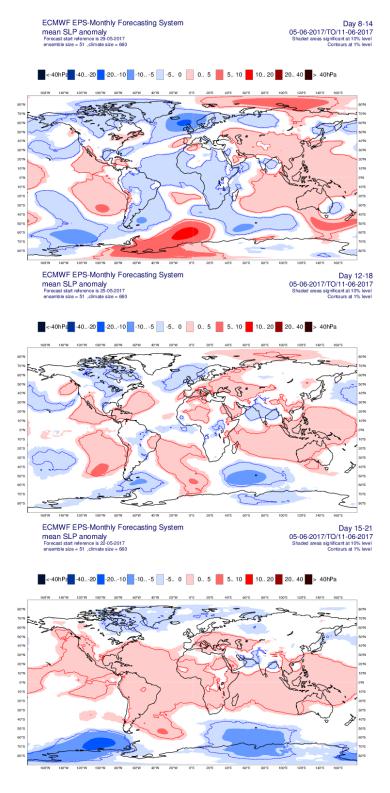




3.4 Monthly forecasts

The plots below show MSLP anomalies for the week of 5-11 June. The negative anomaly over the north-eastern Atlantic was captured 2 weeks in advance.





3.5 Comparison with other centres

- 4. Experience from general performance/other cases
- 5. Good and bad aspects of the forecasts for the event

- High probability for a storm was captured 5 days in advance
 Cyclonic dominated weather was detected 2 weeks in advance

6. Additional material