Analysis of the 16 Feb 2016 windstorm on South Shetland Islands and assessment of the short-range predictability of the event

A gateway to Antarctica

Hughes and Ashton (2016) Google Maps
Feb 16th 2016 cyclogenesis

15 Feb 12 UTC

16 Feb 12 UTC

34 hPa / 24 h

MSLP (hPa)

16 Feb 20:45 UTC

16 Feb 11:45 UTC
Observations

Max: 74.6 kt
(138 km/h; 38 m/s)

Tangra Mountains direction
Observations

Juan Carlos I (Livingston)
Consequences
Operational Models

IFS: 16 Feb 2016 00:00 UTC + 15H

~28 kt

AMPS: 16 Feb 2016 12:00 UTC + 3H

~50kt
Short Range Predictability: YSREPS

The AEMET-γSREPS over the Antarctic Peninsula and the impact of kilometric-resolution EPS on logistic activities on the continent

Sergi Gonzalez1,2, Alfons Callado3, Mauricia Martinez1, and Benito Elvira1
MSLP, Temp850 and Wind850

Simulated position of the center of the low
MSLP, Temp850 and Wind850
Sfc Wind, 1000 hPa Pseudoeq Pot. Temp
Wind Gust Speed

- 30-35 m/s
- 40-45 m/s
Are you interested in gSREPS during YOPP-SH SOP? If so, contact me, our team or Alfons at: sgonzalez@aemet.es, antartida@aemet.es and acalladop@aemet.es