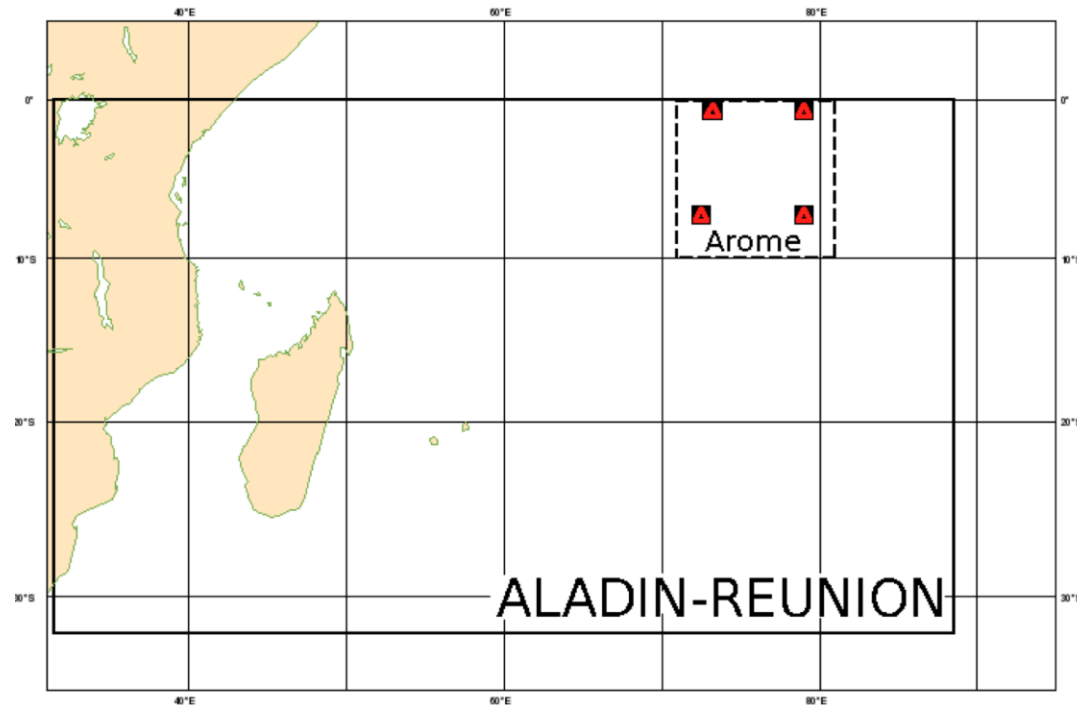


# Météo-France Forecast Products

- Arpege (35km),
  - 0h to 84h **every 6h**, starting every day at 00UTC and 12UTC
- Aladin\* (8km),
  - 0h to 54h **every 3h**, starting every day at 00UTC and 12UTC
- Arome (2.5km),
  - 0h to 30h **every 3h**, starting every day at 00UTC and 12UTC



\* There will be no extension to the North (operational model - 1 year test)

# Output .png images

- Images generated for :
  - CAPE
  - Vertical velocity at 700 hPa and 400 hPa
  - Geopotential and wind barbs at different levels (850hPa, 700hPa, 500hPa, 300hPa, 200hPa)
  - Mean-sea level pressure
  - Relative vorticity at 850 hPa
  - Wet-bulb pseudo-adiabatic potential temperature at 925 hPa
  - Accumulated rainfall over 3h (6h for Arpege)
  - Cloud cover at low, medium and high level
  - Simulated IR and WV satellite channels (SEVIRI-like sensor)
- Output domains for Arpege and Aladin have to be defined precisely.
  - Same as for Meteosat-7?

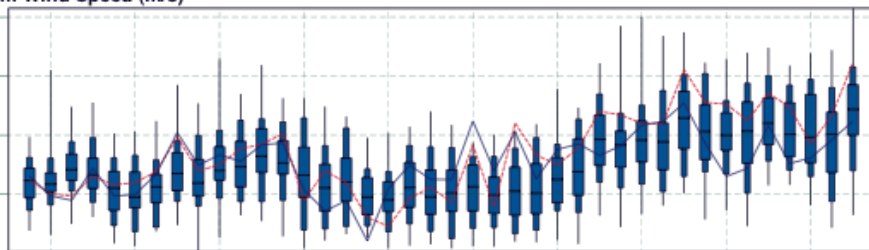
**Wave Epsgram**  
**0.14°N 79.88°E (EPS sea point)**  
**Deterministic Forecast and EPS Distribution Tuesday 1 March 2011 12 UTC**

**Distribution of 10m Wind Direction**

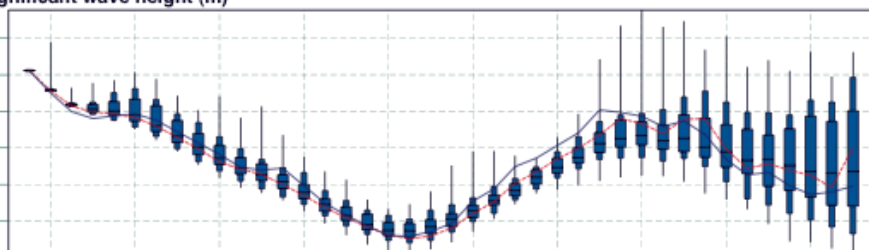
0% 25% 50% 75% 100%



**10m Wind Speed (m/s)**

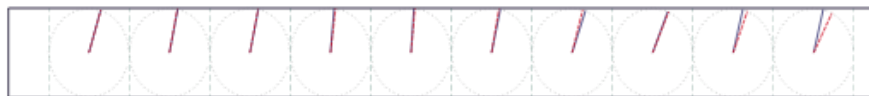


**Significant wave height (m)**

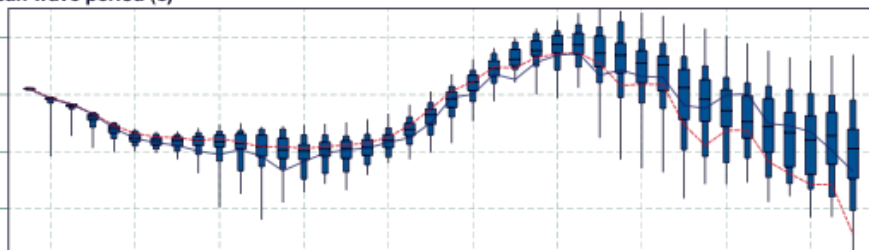


**Mean wave direction ( oceanographic convention )**

1 2.5 4 6 9 m



**Mean wave period (s)**



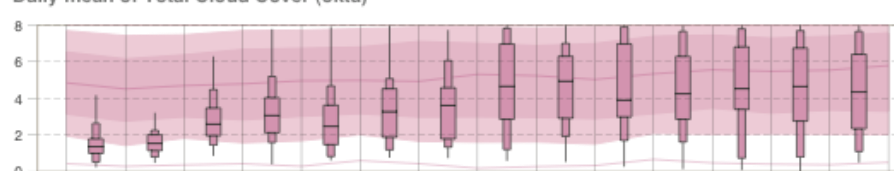
Tue 1 Wed 2 Thu 3 Fri 4 Sat 5 Sun 6 Mon 7 Tue 8 Wed 9 Thu 10 Fri 11

max 90% 75% median 25% 10% min  
 EPS Control(55 km) High Resolution Deterministic(14 km)

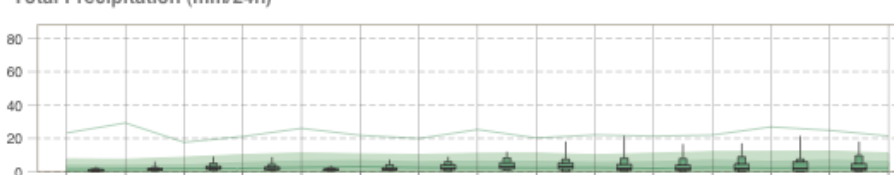


**EPS Meteogram**  
**0.28°N 79.88°E (EPS sea point) 0 m (T639)**  
**Extended Range Forecast based on EPS Distribution Tuesday 1 March 2011 12 UTC**

**Daily mean of Total Cloud Cover (okta)**

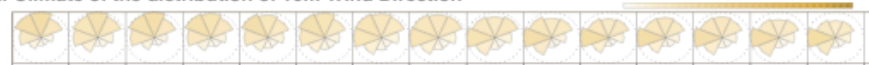


**Total Precipitation (mm/24h)**



**M-Climate of the distribution of 10m Wind Direction**

0% 25% 50% 75% 100%

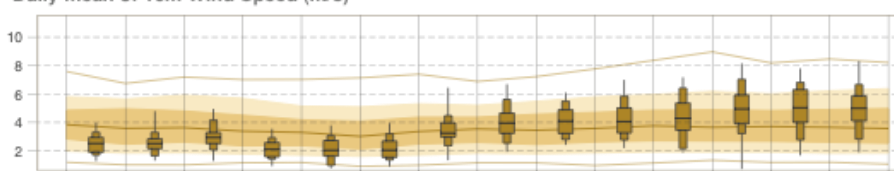


**Daily distribution of 10m Wind Direction**

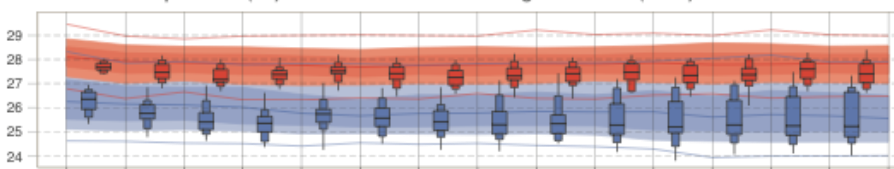
0% 25% 50% 75% 100%



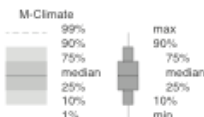
**Daily mean of 10m Wind Speed (m/s)**



**2m min/max temperature (°C) reduced to the station height from 0m (T319)**



Tue 1 Wed 2 Thu 3 Fri 4 Sat 5 Sun 6 Mon 7 Tue 8 Wed 9 Thu 10 Fri 11 Sat 12 Sun 13 Mon 14 Tue 15  
 March 2011



**M-Climate:** this stands for "Model Climate". It is a function of lead time, date (+/-15days), and model version. It is derived by rerunning a 5 member ensemble over the last 18 years. once per week (450 realisations). M-Climate is always from the same model version as the displayed EPS data.