



Meteorologisk
institutt

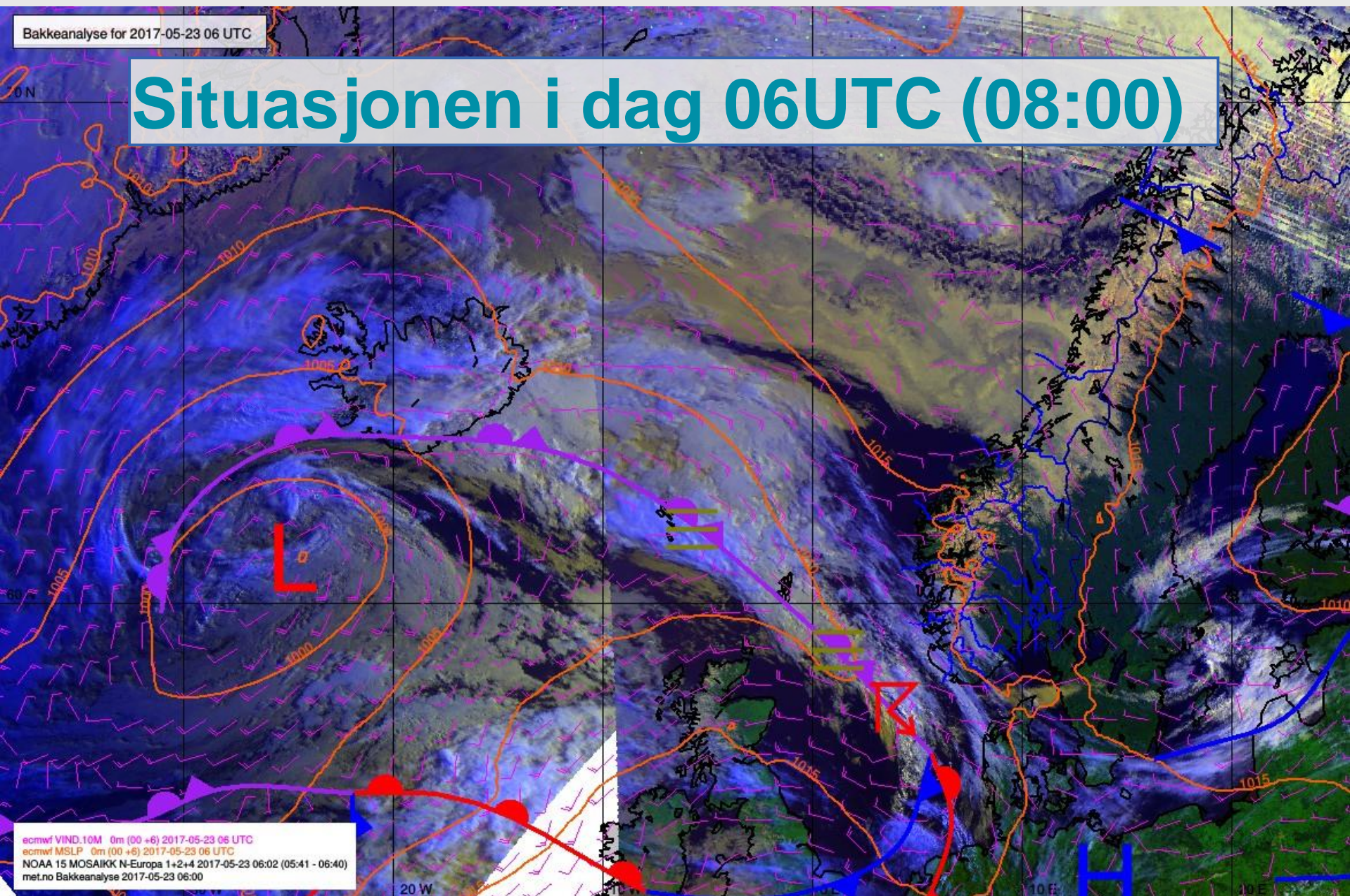
Vær, vind og strøm – Skagen Race 2017

Nils Melsom Kristensen

23.05.17

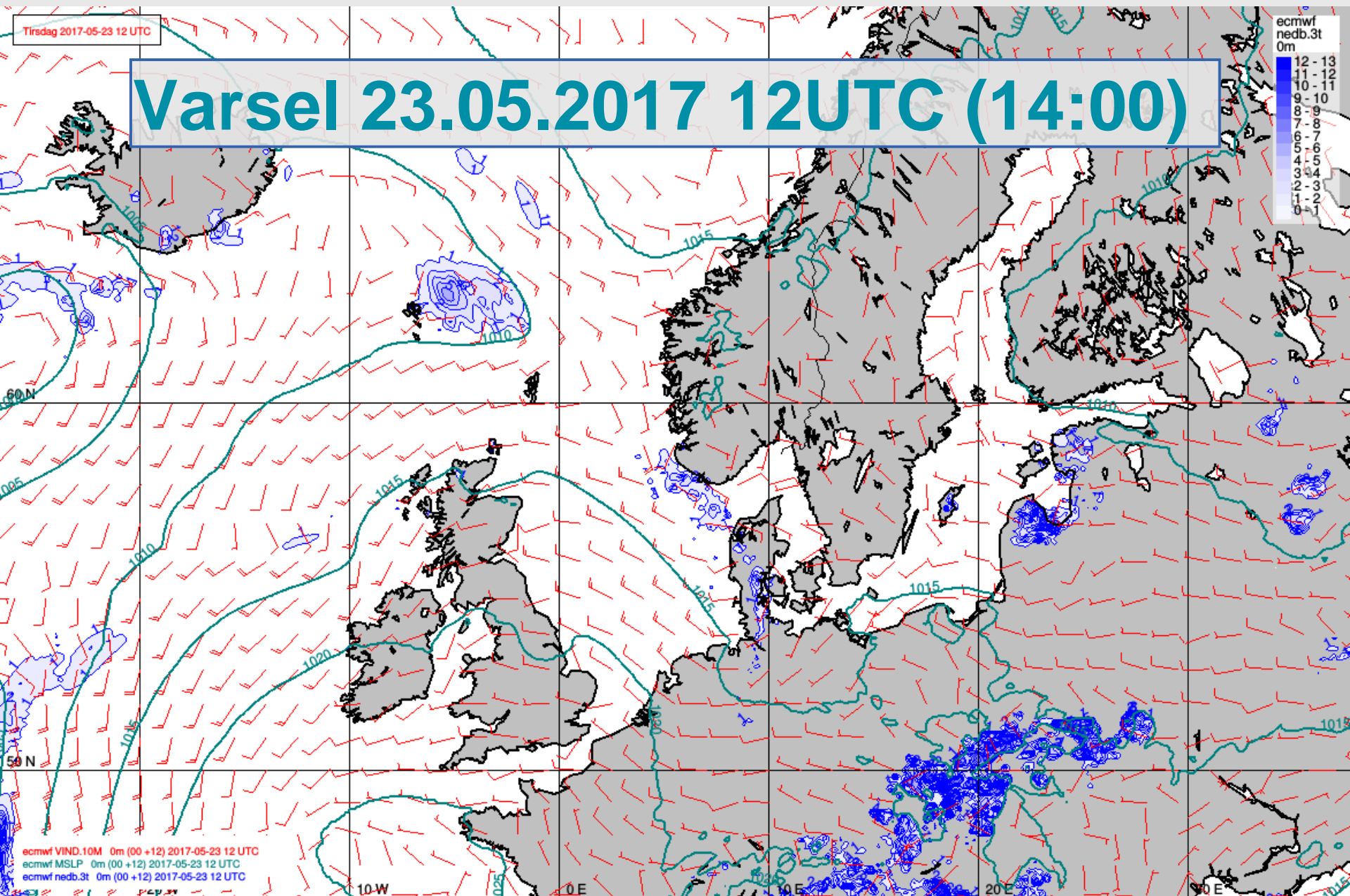
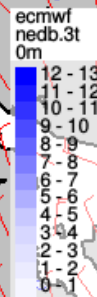
Først vær-situasjonen...

Situasjonen i dag 06UTC (08:00)



ecmwf VIND.10M 0m (00 +6) 2017-05-23 06 UTC
ecmwf MSLP 0m (00 +6) 2017-05-23 06 UTC
NOAA 15 MOSAIKK N-Europa 1+2+4 2017-05-23 06:02 (05:41 - 06:40)
met.no Bakkeanalyse 2017-05-23 06:00

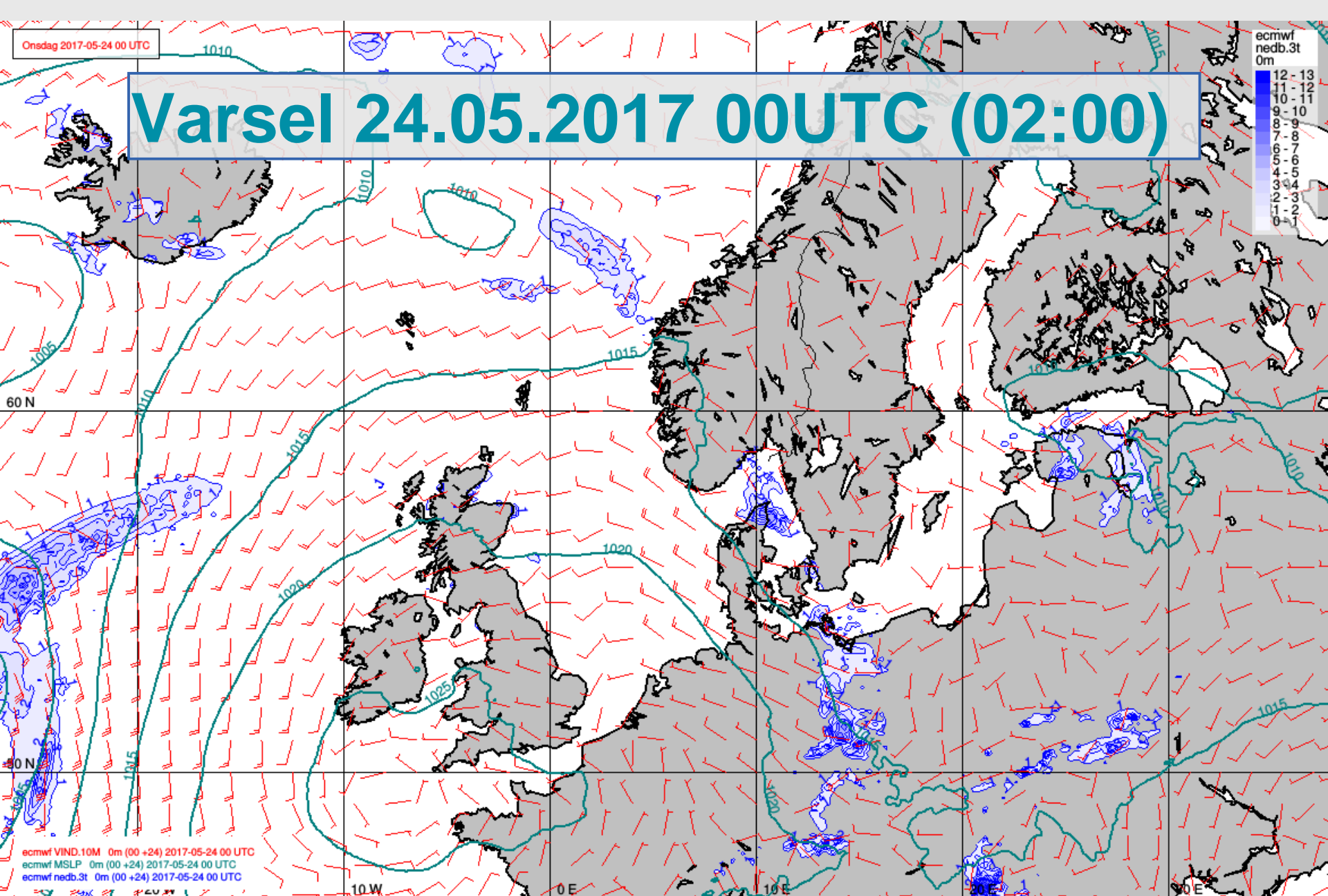
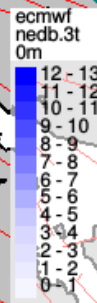
Varsel 23.05.2017 12UTC (14:00)



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ecmwf nedb.3t 0m (00 +12) 2017-05-23 12 UTC

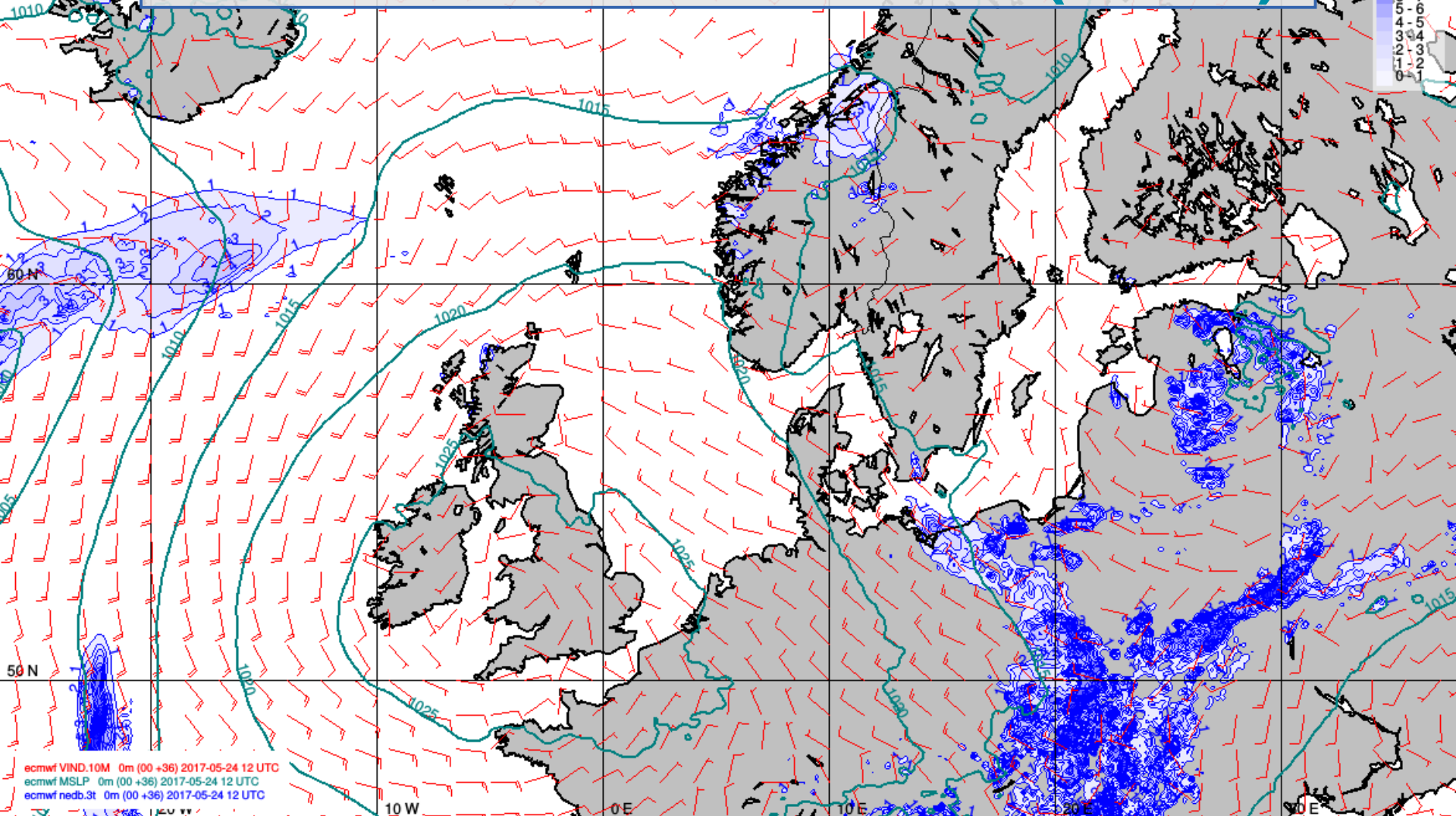
Onsdag 2017-05-24 00 UTC

Varsel 24.05.2017 00UTC (02:00)



ecmwf VIND.10M 0m (00 +24) 2017-05-24 00 UTC
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ecmwf nedb.3t 0m (00 +24) 2017-05-24 00 UTC

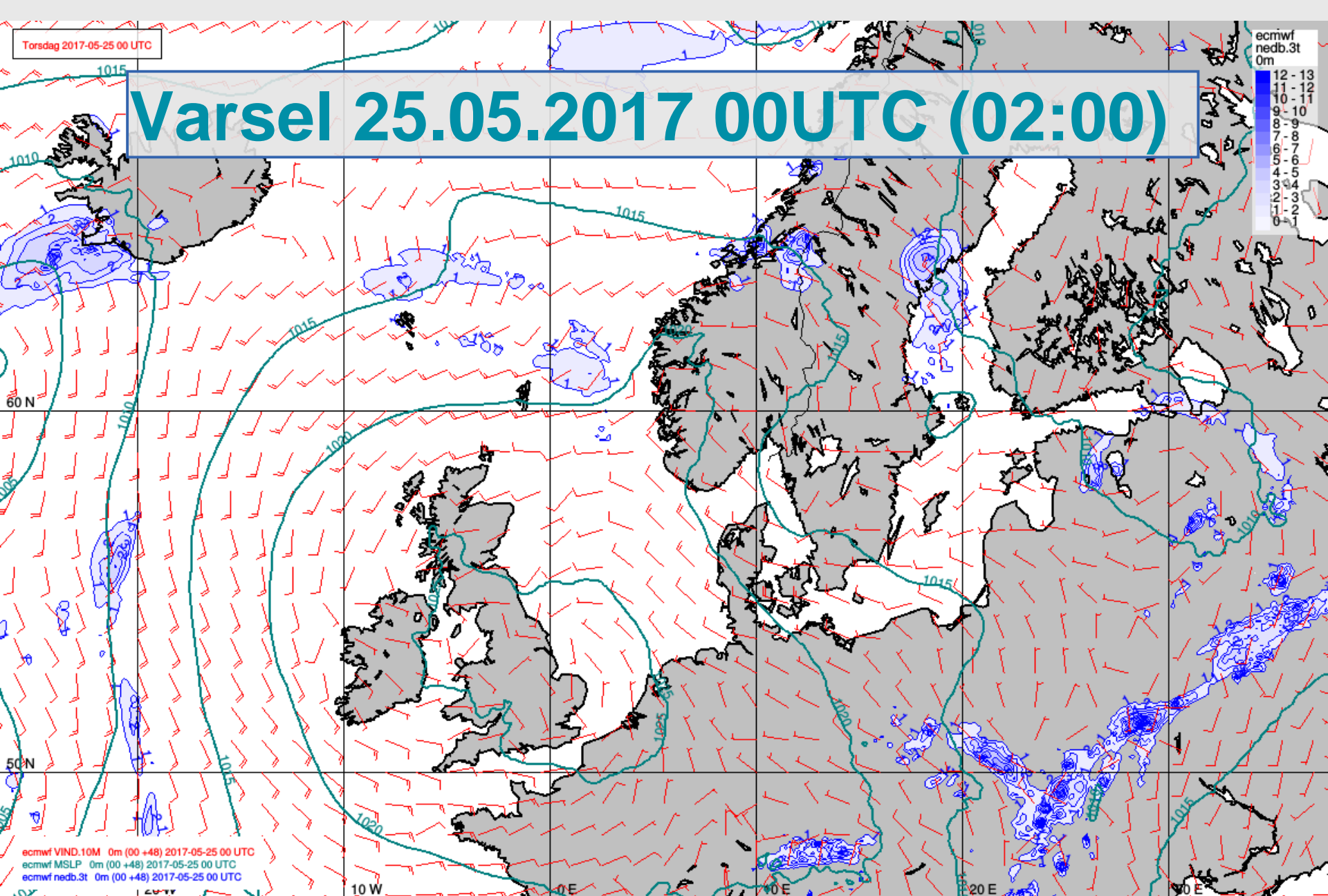
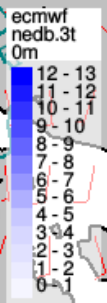
Varsel 24.05.2017 12UTC (14:00)



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Torsdag 2017-05-25 00 UTC

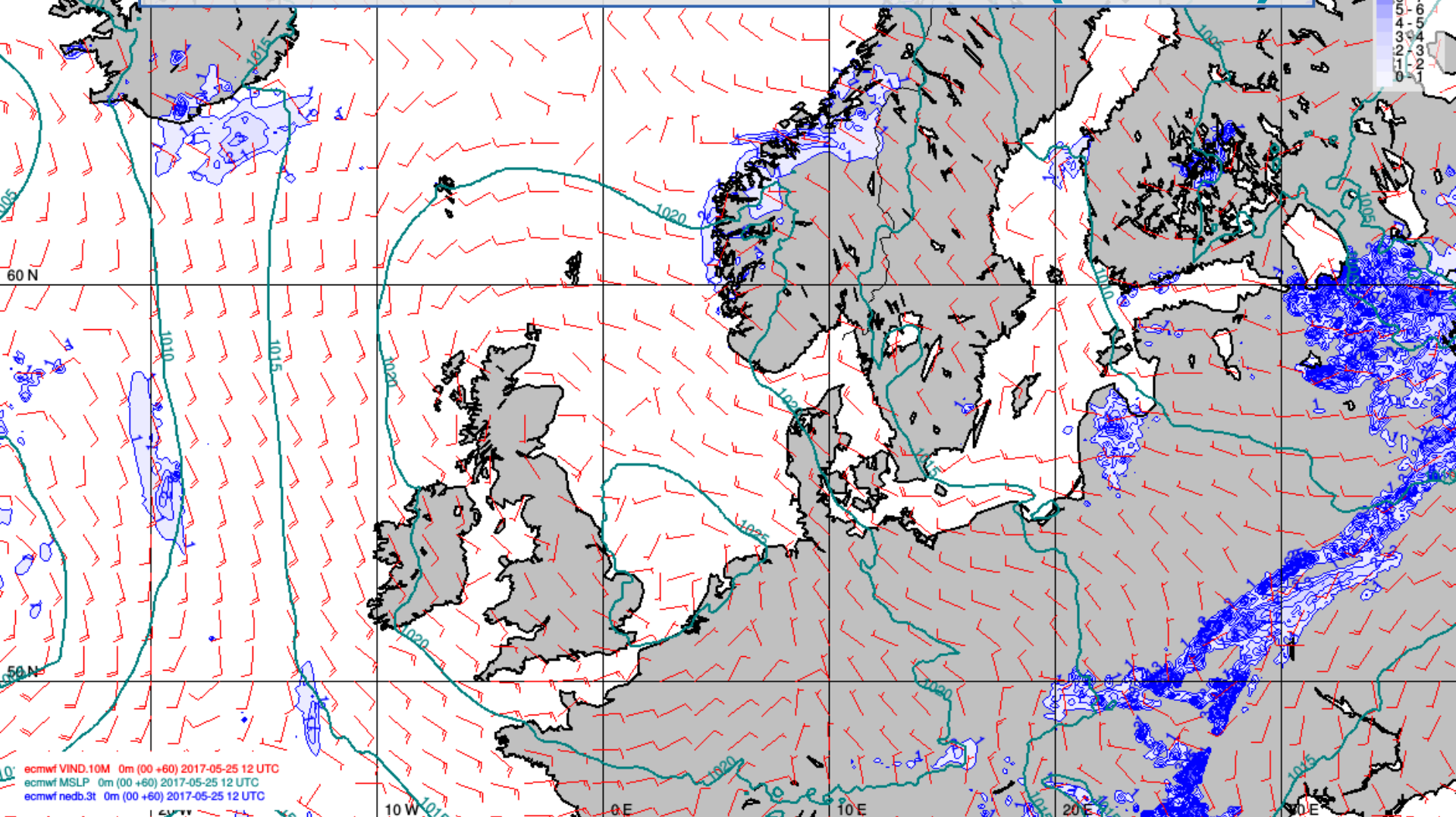
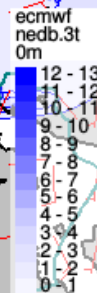
Varsel 25.05.2017 00UTC (02:00)



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Torsdag 2017-05-25 12 UTC

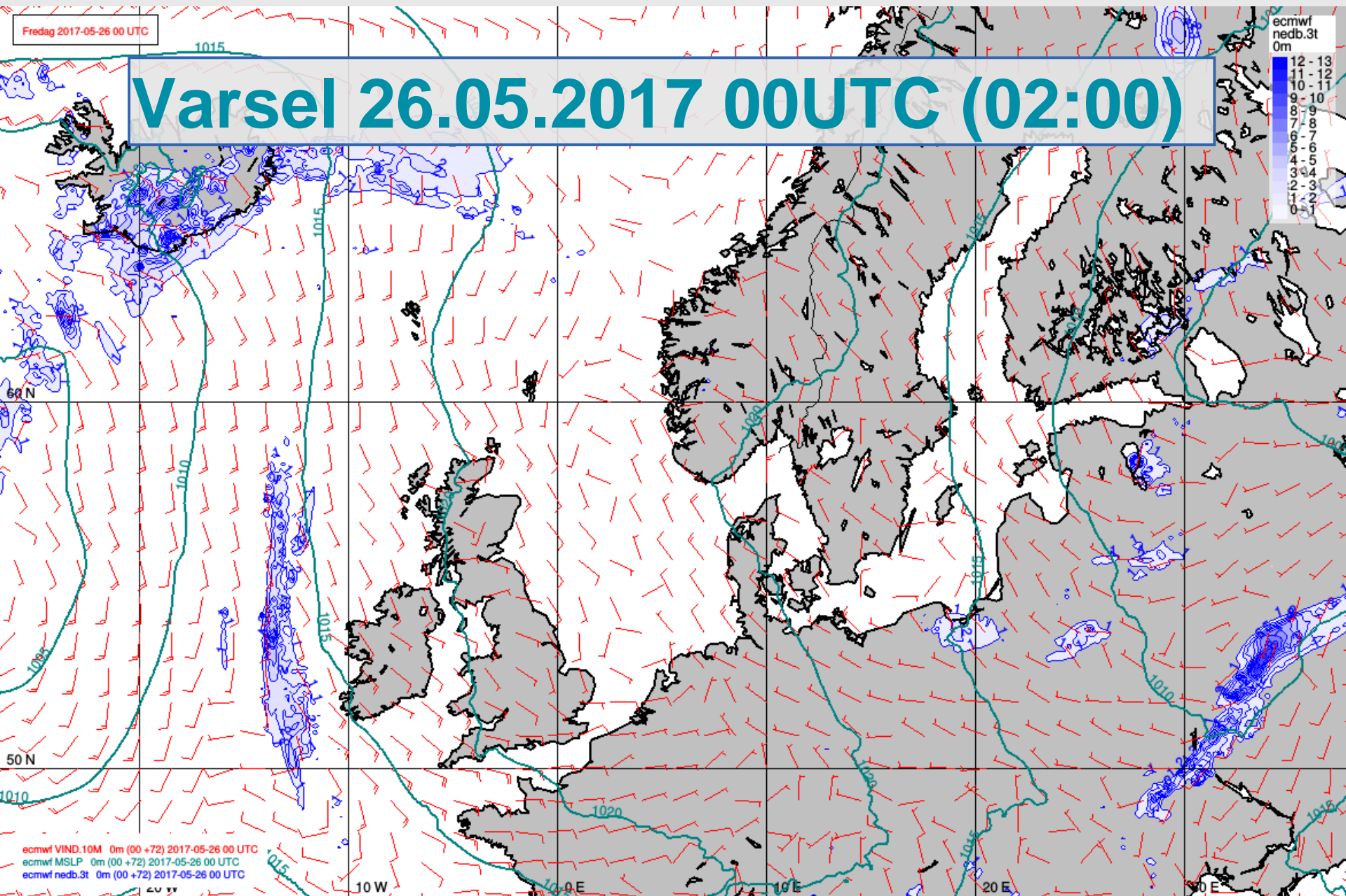
Varsel 25.05.2017 12UTC (14:00)



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Fredag 2017-05-26 00 UTC

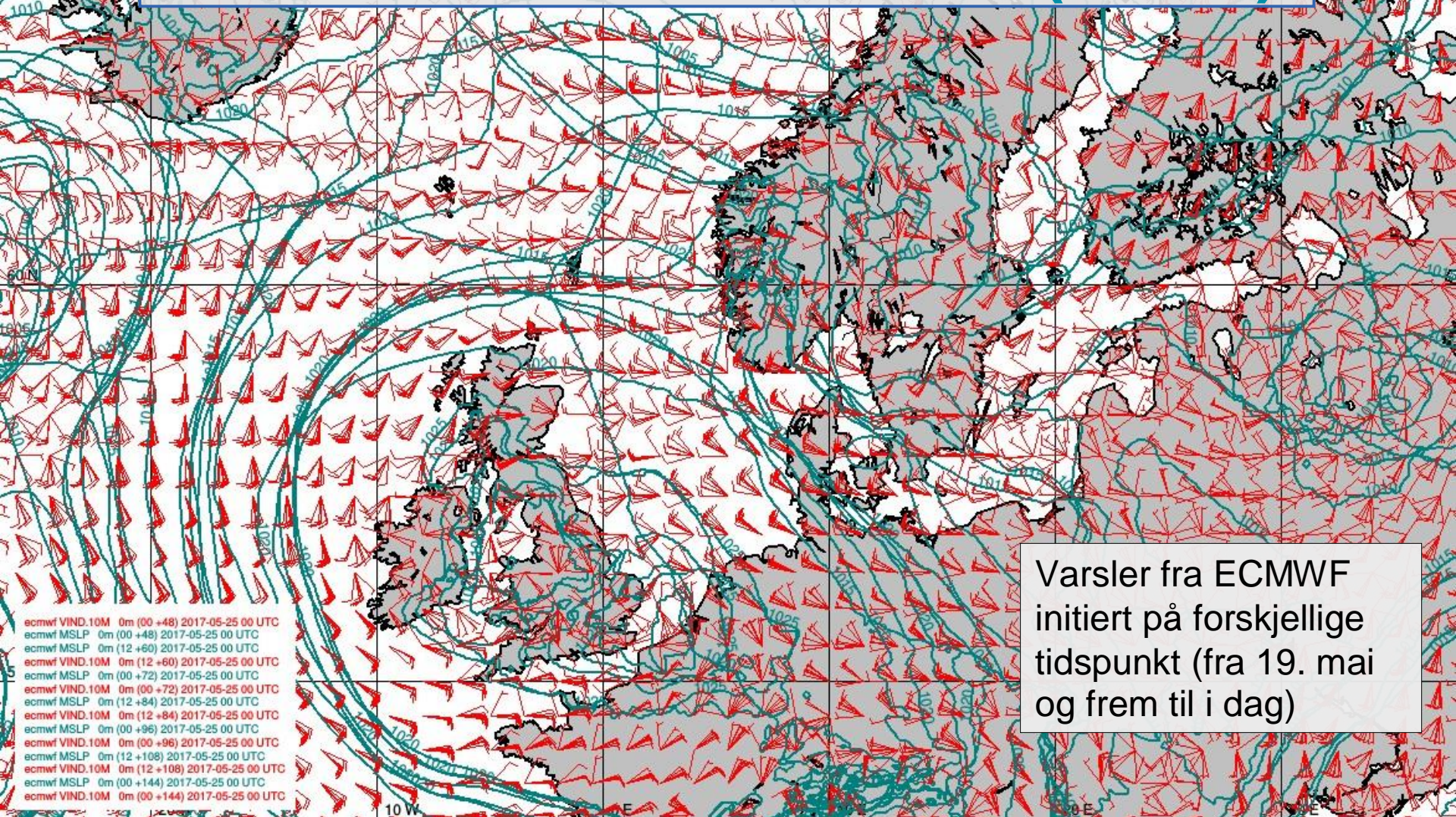
Varsel 26.05.2017 00UTC (02:00)



Usikkerhet

Torsdag 2017-05-25 00 UTC

Varsel 25.05.2017 00UTC (02:00)



ecmwf VIND.10M 0m (00 +48) 2017-05-25 00 UTC
ecmwf MSLP 0m (00 +48) 2017-05-25 00 UTC
ecmwf MSLP 0m (12 +60) 2017-05-25 00 UTC
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ecmwf VIND.10M 0m (00 +144) 2017-05-25 00 UTC

Varsler fra ECMWF
initiert på forskjellige
tidspunkt (fra 19. mai
og frem til i dag)

Usikkerhet i varselet

- Utviklingen av det storskala værsystemet har vært stabil lenge
- Men detaljene, og vinden i Skagerrak, har variert
- Detaljvarsel er ferskvare!
- Bruk yr aktivt opp mot, og under seilassen

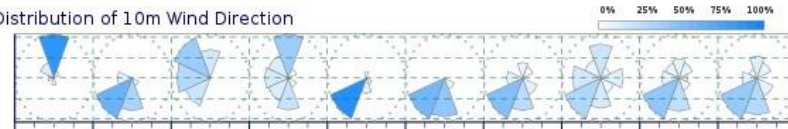
Usikkerhet – nord for Skagen

Wave ENSgram

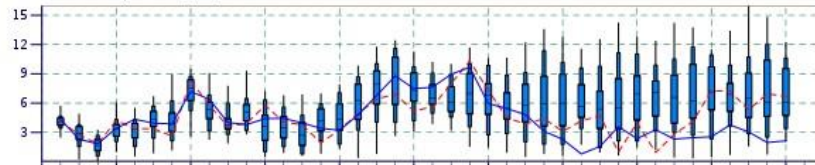
58.41°N 10.61°E (ENS sea point)

High resolution forecast and ENS distribution Tuesday 23 May 2017 00 UTC

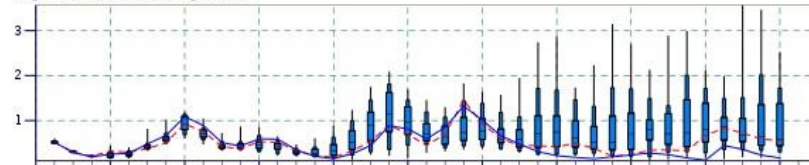
Distribution of 10m Wind Direction



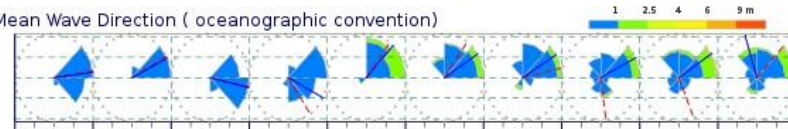
10m Wind Speed (m/s)



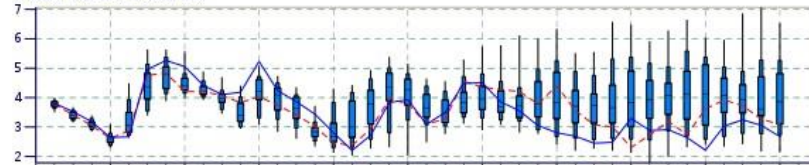
Significant wave height (m)



Mean Wave Direction (oceanographic convention)



Mean Wave Period (s)



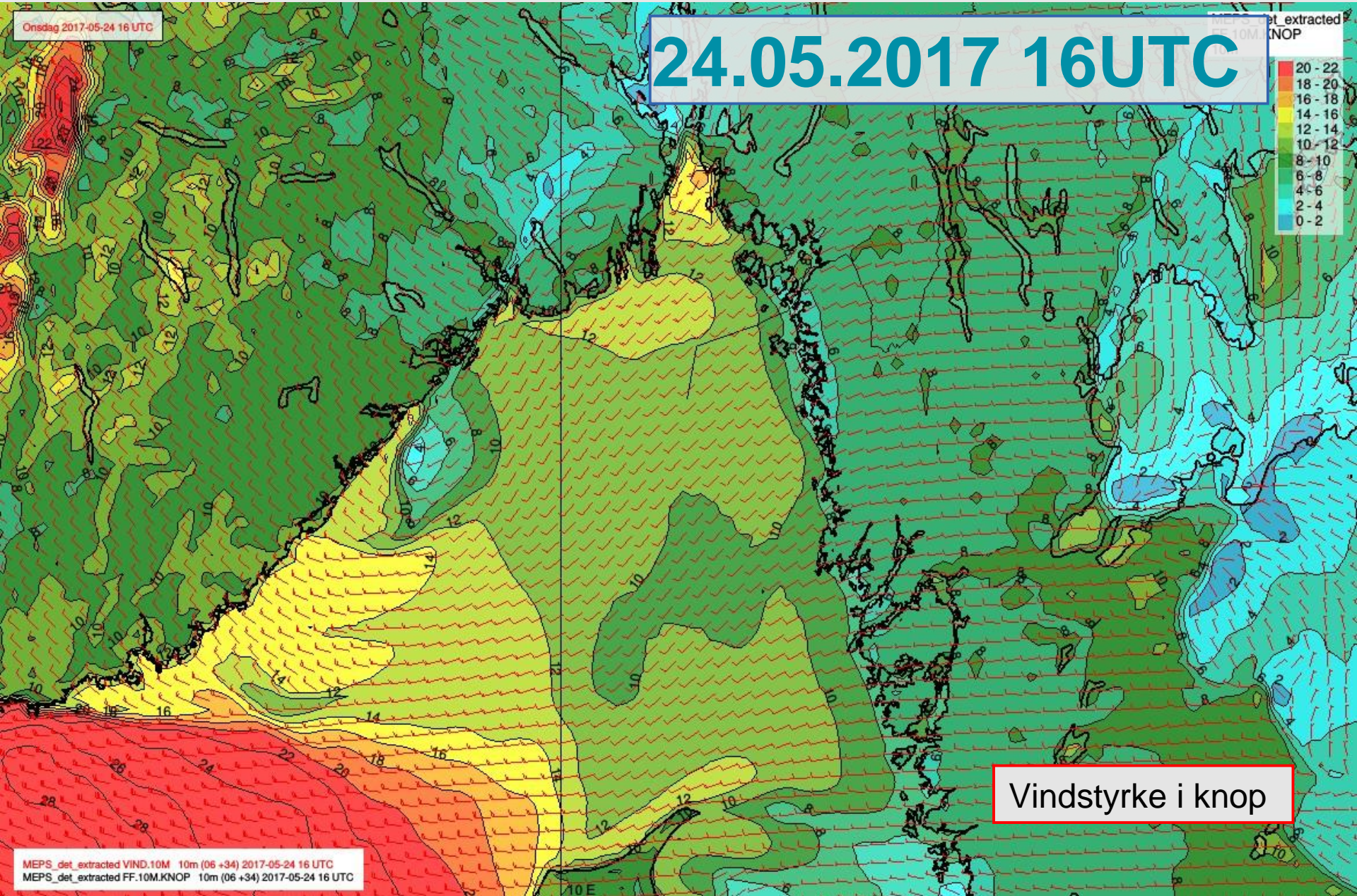
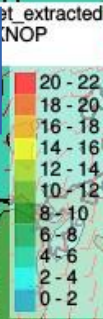
Tue23
May
2017
Wed24
Thu25
Fri26
Sat27
Sun28
Mon29
Tue30
Wed31
Thu 1
Jun
Fri 2



Vinddetaljer

Onsdag 2017-05-24 16 UTC

24.05.2017 16UTC

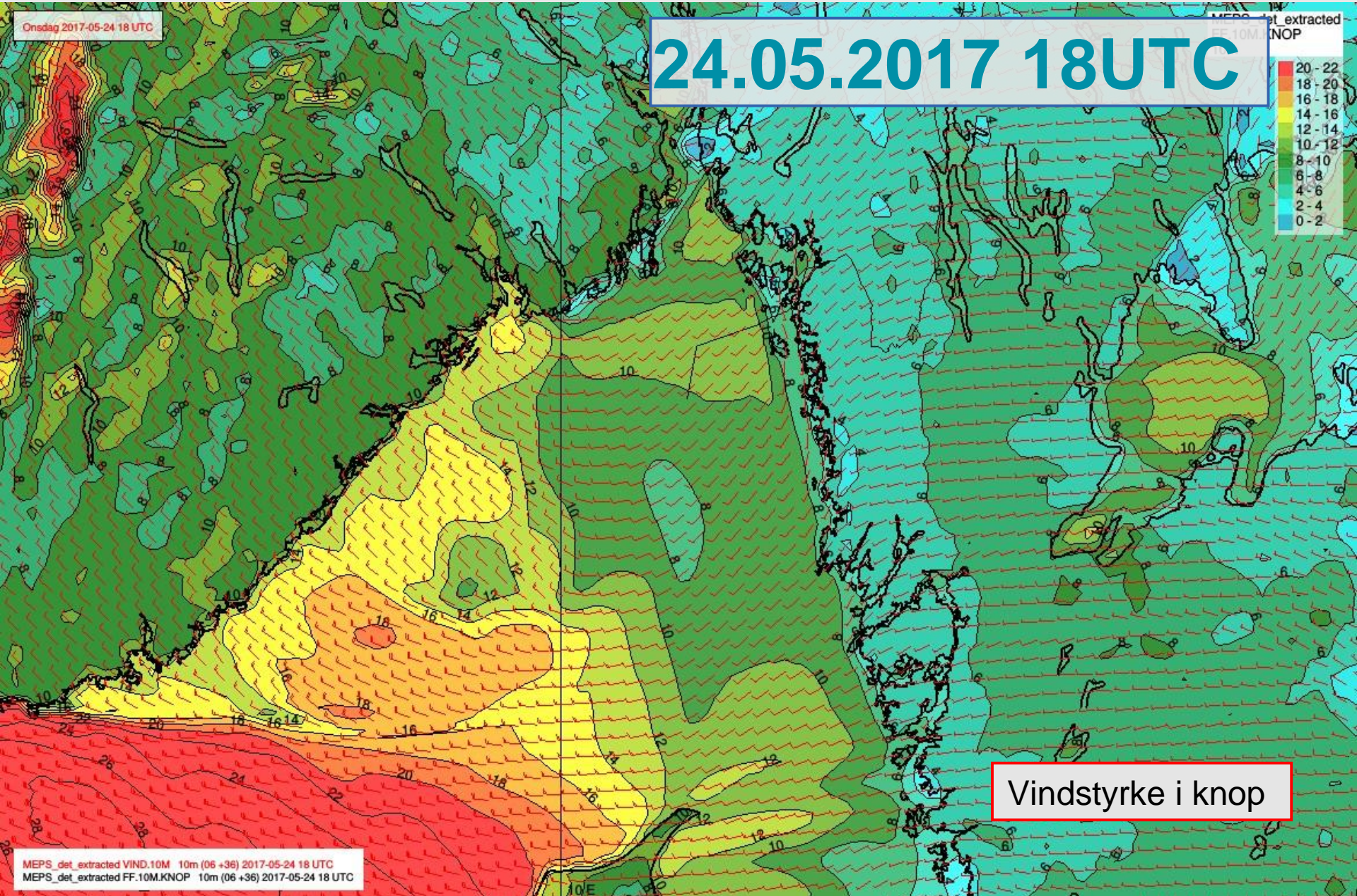
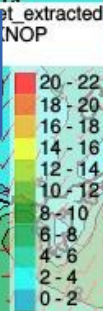


Vindstyrke i knop

MEPS_det_extracted VIND.10M 10m (06 +34) 2017-05-24 16 UTC
MEPS_det_extracted FF.10M.KNOP 10m (06 +34) 2017-05-24 16 UTC

Onsdag 2017-05-24 18 UTC

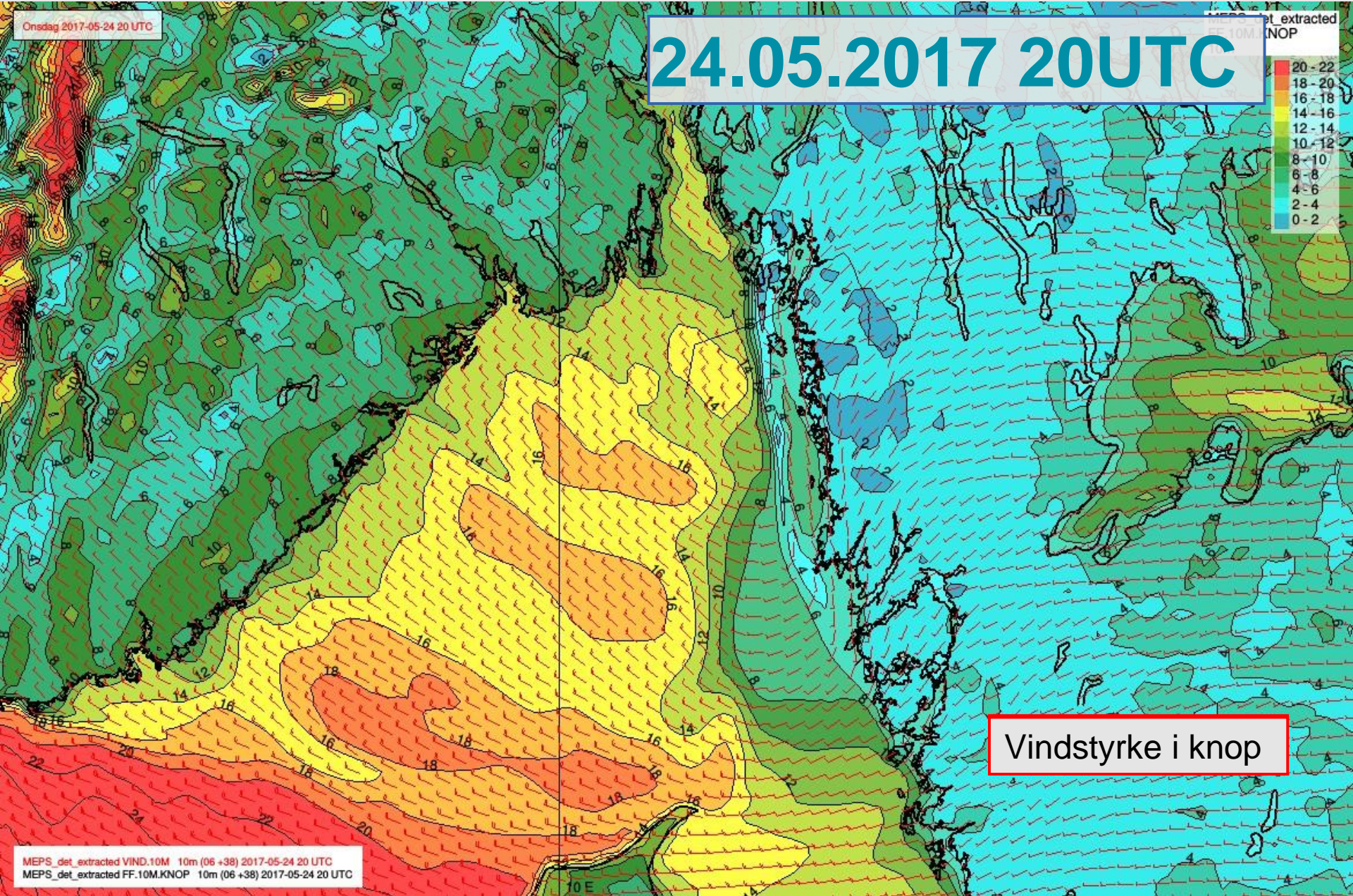
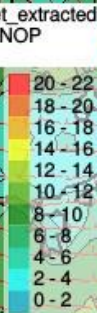
24.05.2017 18UTC



Vindstyrke i knop

MEPS det extracted VIND.10M 10m (06 +36) 2017-05-24 18 UTC
MEPS det extracted FF.10M.KNOP 10m (06 +36) 2017-05-24 18 UTC

24.05.2017 20UTC



Vindstyrke i knop

MEPS_det_extracted VIND.10M 10m (06 +38) 2017-05-24 20 UTC
MEPS_det_extracted FF.10M.KNOP 10m (06 +38) 2017-05-24 20 UTC