



# Weather

## F18 Worlds 2015

**Date:** Wednesday, 15/07/2015  
**Issue:** 15/07/2015 07:00 LT  
**Race Area:** Echo / Juliett  
**Meteorologist:** Dipl.- Met. Meeno Schrader

### SYNOPSIS today 06 UTC (08:00 LT) and development:

- Low pressure continues to be settled over Scandinavia
- A zone of high pressure is starting to build during the morning session from North Germany into the North Sea
- Midday sees us between this small high pressure zone and the low over Sweden / Norway
- Afternoon shows little change to this pattern as both weather systems only move a little bit...they stay mainly stationary
- Both systems build a moderate but reasonable gradient , where the race courses are just sitting in
- All models are showing this gradient staying through ...although there is still a thermal component which has the capability to ease this gradient
- BUT: cooler air filling in from higher levels is continuously helping to rebuild this gradient wind through the day

### Observations 07:00 LT:

Kiel / Lighthouse offshore:	Holtenau
290° 13 kts	280° 4 kts

### TODAY, Wednesday 15/07/2015

#### WIND:

- Morning session sees already a proper breeze on the race courses from WNW with 10 – 13 kts
- There are good chances that this breeze will stay through the day w only little change in speed and directions
- Nevertheless there is some influence onto both, TWS and TWD, due to the shore
- **TWS** range average wind: 10 – 14 kts
- **TWD** range average wind: 270 – 300

**MAX left:** TWD 260      **MAX right:** TWD 300

#### Gusts:

- Pattern of the wind field is pretty gusty
- There are a lot of up and downs in the wind speed
- Gradient wind is fed by gustiness
- Gust potential is 18 – 20 kts



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### WARNINGS:

None

### Scenario 1 ( 80% )

The average wind in detail (LT): all Digits are true, not magnetic

09:00	: 290	10 – 13 kts
10:00	: 280 – 290	10 – 12 kts
11:00	: 280 – 290	10 – 12 kts
12:00	: 280 – 290	12 – 14 kts
13:00	: 280 – 290	11 – 14 kts
14:00	: 280 – 290	11 – 14 kts
15:00	: 280 – 290	11 – 14 kts
16:00	: 280 – 290	10 – 13 kts
17:00	: 280 – 290	10 – 13 kts
18:00	: 280 – 290	9 – 12 kts

### Comment:

#### Scenario 2 (20%)

Breeze has a small risk starting to decrease into < 10 kts w a tendency of going RIGHT into TWD 300 – 330, then becoming unsteady and shifty w 6 – 10 kts. Then sea breeze is fighting the gradient wind.

### WEATHER:

Most of the day sunny. Few cumulus clouds building over land drifting offshore or some higher levels clouds can be seen

**TEMPERATURES:** Air : 21° C                      19° C (on race course)  
Water: 17° C

## TOMORROW, Thursday, 16/07/2015

Low pressure over Scandinavia is pushed to the E. High pressure zone is slowly slipping into N-Germany and Schleswig-Holstein and the race area.

### WEATHER:

Mostly sunny. Temporary clouds drifting through or building over land. Dry.  
Tmax: 21° C over the sea 19° C

### WIND:

TWD 340 – 020      4 – 7 kts

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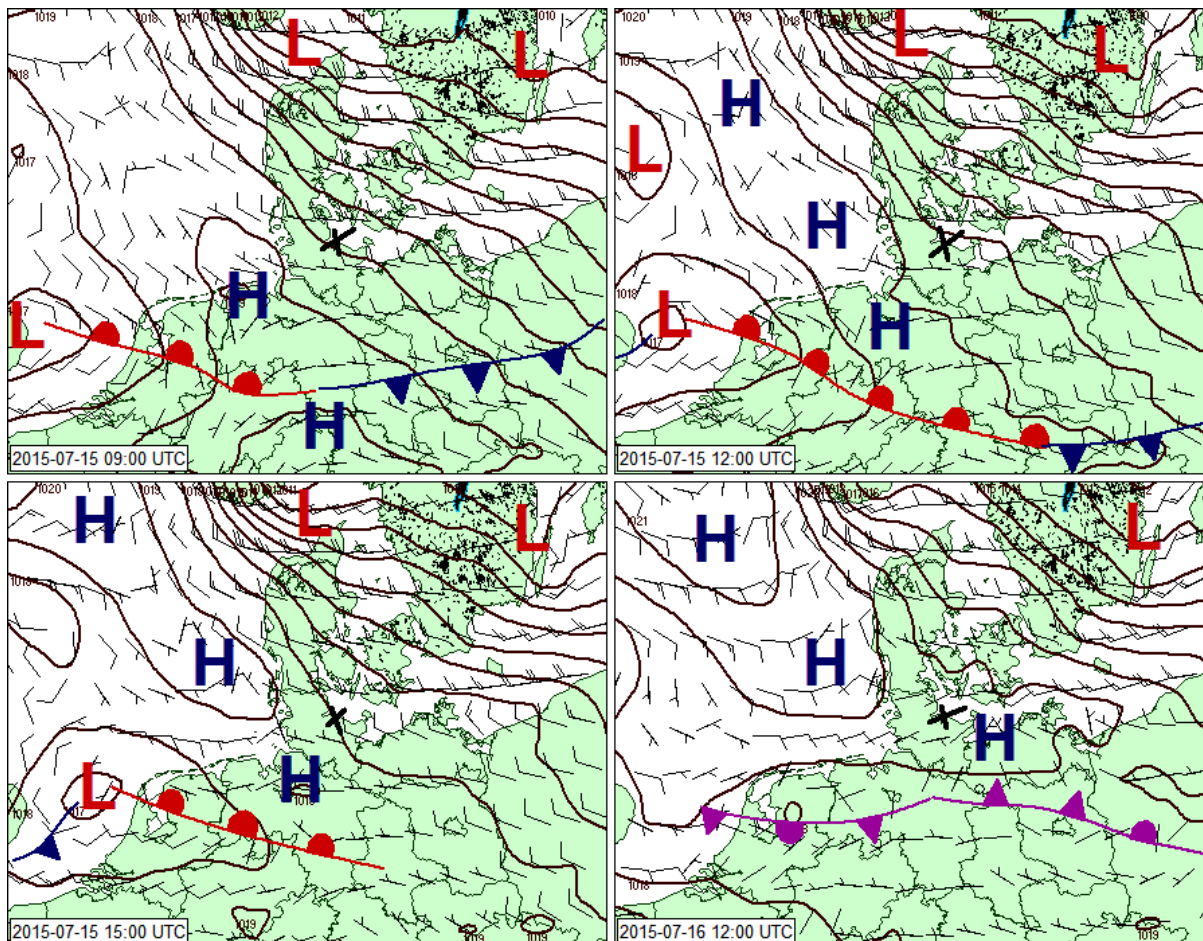
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## SYNOPSIS

TODAY ( 11:00 , 14:00, 17:00 LT and tomorrow 14:00 LT)



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