

# Weather



**Date:** Monday, 31/07/2017  
**Issue:** 31/07/2017 07:00 LT  
**Race Area:** Courses Echo, Hotel, India, Juliett  
**Meteorologist:** Dipl.-Met. Meeno Schrader

## SYNOPSIS today 04 UTC (06:00 LT) and development:

- Yesterday's low pressure system over the North sea disappeared to the NE
- Associated cold front cleared us in the night leading to clearing sky and more stability during the night
- Stabilizing and clearing is supported by high pressure over E –Europe sending a weak ridge into Kiel in the early morning
- This ridge is still effective in the morning session
- The influence of the high is weak and has to fight against a large low pressure system centered over Ireland / Scotland
- The low is stationary and is sending some weak troughs moving from the Netherlands towards Hamburg ...they can still have some affect into the race area although the ridge over us tries to ease them
- This leads to some basic good gradient building which is well developed during the day, but can be disturbed inbetween by instabilities due to cumulus clouds...may be temporary by some brief and short shower clouds

## Observations 07:00 LT:

Kiel / Lighthouse:	Kiel - Holtenau	
190° 12 kts	180° 4 kts	

## TODAY

### WIND:

- Wind field is mostly gradient wind today
- It is still lighter in the early morning hours ...it is building through the morning session slowly into a proper breeze ranging between TWS 10 and 14 kts
- Clouds (mainly of the type cumulus) plays also a big role in effecting the local wind field during the day
- Wind is maximum left at the first start...it will go right through the day from TWD 200 → TWD 240
- In mid afternoon we will see the breeze decreasing...there will be still some weak thermal influence to ease the gradient wind

# Weather



## The average wind in detail:

**all Digits are true, not magnetic. Time in Local time. Wind speed in kts!**

### Courses ECHO, INDIA, JULIETT

**09:00** : 200 – 210 9 → 11 G 13  
**10:00** : 210 – 220 11 → 13 G 13  
**11:00** : 220 – 230 12 – 14 G 18  
**12:00** : 220 – 230 12 – 14 G 17  
**13:00** : 220 – 230 11 – 13 G 16  
**14:00** : 230 10 – 12 G 15  
**15:00** : 230 10 – 12 G 15  
**16:00** : 230 – 220 8 – 10 G 14  
**17:00** : 230 – 220 7 – 9 G 13  
**18:00** : 230 – 220 6 – 8 G 12

### HOTEL

190 – 200 9 → 11 G 12  
200 – 210 11 – 13 G 14  
210 – 220 11 – 13 G 16  
220 – 230 11 – 13 G 15  
230 10 – 12 G 14  
230 – 240 9 – 12 G 13  
220 – 240 8 – 10 G 14  
220 – 240 7 – 9 G 12  
230 – 240 6 – 8 G 11  
230 – 250 5 – 8 G 10

**MAX LEFT TWD 200**

**MAX RIGHT TWD 240 (very late 250)**

### COMMENT:

There is some probability in the range of 30 – 40 % that afternoon sees the wind drop faster = + 15:00 LT TWS 9 → 6...5 kts becoming unsteady and very shifty

### GUSTS:

Morning session sees still some weak gusting quickly dropping later the day

### WARNINGS:

None

### WEATHER:

Change of sun and clouds through the day with long sunny periods. But there will be also temporary some stronger cumulus clouds development leading to some darker ones maybe even very shortly with some rain drops. Clearing following quickly. Total sunshine today: 11 hours.

**TEMPERATURES:** Air: 23°C (over land) 21° C (over water) SST: 18°C

## TOMORROW

**Tuesday, 01/08/2017**

Weak high pressure influenced by a warm front sending midlevel clouds with temporary sun shine. Staying dry.

Max temperature 20 – 22° C.

TWD 080 – 100° 5 – 8 kts

## SYNOPSIS

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

