



## Gliding Forecast for the Competition Area Lüsse

**Valid for the 4th of August 2008 from 11.00 to 18.00 local time**

**Synoptic Summary:** A low located over the North Sea is moving eastward. In the afternoon at the rear of the cold front a small window with high pressure is influencing the competition area. The north part of this area is influenced by cloud fields of the low.

**Warnings:** Strong winds with gusts up to 25 kts

### WINDS AND TEMPERATURES

Hight (m)	in the morning	Changes during the day
600 m	260°/20 kt 14°C	290°/20 kt 16°C
1200 m	270°/30 kt 10°C	260°/25 kt 12°C
1800 m	280°/35 kt 7°C	270°/25 kt 7°C
Surface	260°/15 kt gusts 25 kts	260°/12 kt, gusts 20 kts
Visibility	>20 km	>20 km

### THERMAL ACTIVITY

Duration of soarable thermals	Starting at 11.00 LT		with surface temperature of 22°C
	Ending at 17.00 LT		Sunset at 20.50 LT
	Intensity	moderate, locally good Cu; disturbed by strong wind and cloud fields	
	<b>When first formed</b>	<b>at 15.00 LT</b>	<b>Maximum</b>
Top of dry thermals			
Amount of Cu clouds	1-3/8 Cu	2-3/8 Cu	2-4/8 Cu
Base of Cu clouds	800 m GND	1500 m GND	1800 m GND
Other clouds	2-3/8 Sc/Ac	3-5/8 Sc/Ac	3-4/8 Sc/Ac, locCb
mean rates of climb	1-2 m/s	2-3 m/s	2-3 m/s
Character of thermals	Cu	Cu	Cu
Maximum Temperature:	23°C		
Base of significant inversion or stable layer	weak inversion in 3200 m		
Hight of 0°- Isotherm:	3000 m		
QNH:	1002 hPa	Tendency:	increasing
Special phenomena:	In all levels strong winds, locally cloud fields		
Outlook:	At the rear of a low located over the Baltic Sea, influence of a small area of high pressure		
Date/Time of origin:	04 August 2008, 08.30 LT		