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## Gliding Forecast for the Competition Area Lüsse

Valid for the 11th of August 2008 from 10.00 to 19.00 local time

**Synoptic Summary:** At the south-east part of a low located over Scotland and Scandinavia warm and humid air with cloud fields is moving into the competition area. At the cold front passed our area last night a frontal wave is developing. During the afternoon this wave will influence Lüsse area with outspreaded Ci clouds.

**Warnings:** no warnings

### WINDS AND TEMPERATURES

Hight (m)	in the morning	Changes during the day
600 m	240°/15 kt 17°C	240°/10 kt 19°C
1200 m	240°/20 kt 12°C	240°/15 kt 13°C
1800 m	240°/25 kt 7°C	240°/20 kt 8°C
Surface	220°/08 kt gusts 15 kt	210°/08 kt gusts 15 kt
Visibility	>20 km	> 20 km

### THERMAL ACTIVITY

Duration of soarable thermals	Starting at 11.00-11.30		with a surface temperature of 19°C
	Ending at 18.00 LT		Sunset at 20.36 LT
	Intensity	Cu thermals disturbed by cloud fields	
	<b>When first formed</b>	<b>at 15.00 LT</b>	<b>Maximum</b>
Top of dry thermals			
Amount of Cu clouds	1-2/8 Cu	2-4/8 Cu	2-4/8 Cu
Base of Cu clouds	800 m	1400 m	1600 m
Other clouds	2-4/8 Ci, Ac	3-5/8 Ci/As	5-7/8 Ci
mean rates of climb	1-2 m/s	2 m/s	2-3 m/s
Character of thermals	Cu	Cu	Cu
Maximum Temperature:	24°C		
Base of significant inversion or stable layer	1900-2300 m		
Hight of 0°- Isotherm:	3300 m		
QNH:	1006 hPa (02 pm LT)	Tendency:	no significant change
Special phenomena:	In the afternoon fields of Ci and Ac clouds		
Outlook:	Influence of a low located over the North Sea and Denmark		
Date/Time of origin:	11 August 2008, 08.30 LT		

