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## Gliding Forecast for the Competition Area Lüsse

Valid for the 12th of August 2008 from 11.00 to 19.00 local time

**Synoptic Summary:** In front of a low located over U.K. warm and humid air with cloud fields is moving into the competition area. The cold front will pass Lüsse between 2 and 4 pm LT.

**Warnings:** In connection with the cold front showers and (locally) thunderstorms mit gusts up to 25 kts can be expected

### WINDS AND TEMPERATURES

Hight (m)	in the morning	Changes during the day
600 m	230°/25 kt 17°C	230°/25 kt 19°C
1200 m	230°/25 kt 12°C	230°/25 kt 14°C
1800 m	230°/30 kt 11°C	230°/30 kt 10°C
Surface	150°/08 kt gusts 15 kt	230°/12 kt gusts 25 kt
Visibility	>20 km	> 20 km

### THERMAL ACTIVITY

Duration of soarable thermals	Starting at 11.30-12.30	with a surface temperature of 20°C
	Ending at 15.00-16.00 LT	Sunset at 20.35 LT
	Intensity	weak thermals disturbed by cloud fields and strong winds

	When first formed	at 15.00 LT	Maximum
Top of dry thermals	1000-1200 m		
Amount of Cu clouds	0-1/8 Cu	1-3/8 Cu	
Base of Cu clouds	800 m	1400 m	
Other clouds	3-6/8 Ci, Ac/As	5-7/8 Ac/As, Ci	6-8/8 Ac/As, Cb, Ci
mean rates of climb	1 m/s	0-1 m/s	loc 1-2 m/s m/s
Character of thermals	Cu	Cu	Cu

Maximum Temperature: 24°C

Base of significant inversion or stable layer no significant inversion

Hight of 0°- Isotherm: 3700 m

QNH: 998 hPa (02 pm LT) Tendency: no significant change

Special phenomena: Especially in the afternoon influence of fields of multilayered clouds

Outlook: Between a low over U.K. and the passed coldfront a small ridge of high pressure can be expected

Date/Time of origin: 12 August 2008, 08.30 LT

