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Gliding Forecast for the Competition Area Lüsse

Valid for the 8th of August 2008 from 11.00 to 18.00 local time

Synoptic Summary: At the south of a low located over the Baltic Sea the weather in the north and middle areas of Germany is characterised by an unstable air mass. A trough of this low connected with showers and thunderstorms is moving into the competition area.

Warnings: In the afternoon frequently showers and short thunderstorms with gusts up to 35 kts

WINDS AND TEMPERATURES

Hight (m)	in the morning	Changes during the day
600 m	240°/20 kt 17°C	250°/20 kt 19°C
1200 m	240°/25 kt 14°C	180°/10 kt 13°C
1800 m	240°/10 kt 8°C	290°/25 kt 7°C
Surface	230°/08 kt	240°/10 kt gusts 25 kt
Visibility	>20 km	>20 km

THERMAL ACTIVITY

Duration of soarable thermals	Starting at 10.00 LT	with surface temperature of 22°C
	Ending at 18.00 LT	Sunset at 20.43 LT
	Intensity	moderate locally good Cu, disturbed by showers and strong wind

	When first formed	at 15.00 LT	Maximum
Top of dry thermals			
Amount of Cu clouds	1-3/ Cu	2-4/8 Cu	3-5/8 Cu
Base of Cu clouds	800 m	1500 m GND	1700 m GND
Other clouds	3-5/8 Cb, Sc	3-5/8 Cb, Sc	4-6/8 Cb, Sc
mean rates of climb	1-2 m/s	2-3 m/s	3 m/s
Character of thermals	Cu	Cu	Cu

Maximum Temperature: 26°C

Base of significant inversion or stable layer no significant inversion

Hight of 0°- Isotherm: 3200 m

QNH: 1003 hPa (02 pm LT) Tendency: no significant change

Special phenomena: In the afternoon showers and loc thunderstorms

Outlook: Influence of a ridge of high pressure betwenn two lows over U.K. and the Baltic Sea

Date/Time of origin: 08 August 2008, 08.45 LT

