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Gliding Forecast for the Competition Area Lüsse

Valid for the 13th of August 2008 from 11.00 to 18.00 local time

Synoptic Summary: Germany is located In front of a low over U.K. With a strong south-westerly flow a maritime air mass is moving into the competition area. This airmass will be influenced by a small ridge of high pressure.

Warnings: Strong SW wind with gusts up to 25 kt, in connection with showers up to 30 kt

WINDS AND TEMPERATURES

Hight (m)	in the morning	Changes during the day
600 m	230°/20 kt 16°C	230°/20 kt 16°C
1200 m	230°/25 kt 10°C	240°/30 kt 6°C
1800 m	230°/30 kt °C	230°/30 kt 10°C
Surface	230°/12kt gusts 20 kt	230°/12 kt gusts 25 kt
Visibility	>20 km	> 20 km

THERMAL ACTIVITY

Duration of soarable thermals	Starting at 11.00-12.00		with a surface temperature of 20°C
	Ending at 18.00 LT		Sunset at 20.32 LT
	Intensity	moderate, loc good thermals; development of cloud streets	
	When first formed	at 15.00 LT	Maximum
Top of dry thermals			1700 m
Amount of Cu clouds	1-3/8 Cu	1-3/8 Cu	2-4/8 Cu
Base of Cu clouds	800 m	1600 m	2000 m
Other clouds	2-3/8 Ac/Sc	3-5/8 Ac, Sc, Cb	2-4/8 Ac, Sc, Cb
mean rates of climb	1-2 m/s	2-3 m/s	3 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:	2800 m		
QNH:	1007 hPa (02 pm LT)	Tendency:	no significant change
Special phenomena:	Local showers with outspreaded cloud fields		
Outlook:	In front of a low located over the North Sea, no significant change of the present weather situation		
Date/Time of origin:	13 August 2008, 08.30 LT		

