

## Gliding Forecast for the Competition Area Lüsse

**Valid for 27th of July 2007 from 10.00 to 19.00 local time**

**Synoptic Summary:**

A weak coldfront of a low located between Scotland and Norway passed Lüsse during the last 2 hours. At the rear of this cold front more moist and unstable air is entering the competition area. At the afternoon by increasing pressure this air mass will be influenced by a weak ridge of high pressure.

**Warnings:**

In the late evening rain and rain showers are moving from west towards the Lüsse area.

### WINDS AND TEMPERATURES

Hight (m)	in the morning	Changes during the day
600 m	260°/20 kt	260°/20 kt
1200 m	260°/20 kt	260°/20 kt
1800 m	260°/30 kt	260°/25 kt
Surface	260°/12 kt	260°/12 kt
Visibility	>20 km	>20 km

### THERMAL ACTIVITY

Duration of soarable thermals	Starting at 11.30 LT		with surface temperature of 19°C
	Ending at 17.30 LT		Sunset at 21.13 LT
	Intensity	moderate/good Cu thermals, in the afternoon reduced by cloud fields	

	When first formed	at 15.00 LT	Maximum
Top of dry thermals			1500 GND
Amount of Cu clouds	1-3/8 Cu	2-5/8 Cu	2-3/8 Cu
Base of Cu clouds	600 m GND	1300 m GND	1500 m GND
Other clouds	2-3/8 Ac/Ci	2-5/8 Ac/Ci	2-5/8 Ac/Ci
mean rates of climb	1 m/s	1-2 m/s	2-3 m/s
Character of thermals	Cu	Cu	Cu

Maximum Temperature: 22°C

Base of significant inversion or stable layer 2600 m

Hight of 0° Isotherm: 2500 m

QNH: 1010 hPa Tendency: increasing

Special phenomena: In the afternoon influence by cloud fields

Outlook: Cyclonal influence with rain or rain showers

Date/Time of origin: 27 July 2007, 09.00 LT