

Gliding Forecast for the Competition Area Lüsse

Valid for 25th of July 2007 from 10.00 to 19.00 local time

Synoptic Summary: The competition area is influenced by a cool and moist airmass coming in with an strong northwesterly airflow. In the afternoon a weak ridge of highpressure will bring a slightly stabilisation. In the western part a new warmfront will bring again cirrus clouds.

Warnings: strong westerly winds with gusts up to about 30 knots.

WINDS AND TEMPERATURES

Hight (m)	in the morning	Changes during the day
600 m	290°25 kt	280°20 kt
1200 m	300°30 kt	290°30 kt
1800 m	300°30 kt	290°30 kt
Surface	280°15 kt	280°12 kt
Visibility	15 km	>20 km

THERMAL ACTIVITY

Duration of soarable thermals	Starting at 12.00 LT	at a surface temperature of 16°C
	Ending at 18.30 LT	Sunset at 21.10 LT
	Intensity	starting weak, at maximum good, reduced by strong winds

	When first formed	at 15.00 LT	Maximum
Top of dry thermals			
Amount of Cu clouds	4-6 oktas	2-4 oktas	2-4 oktas
Base of Cu clouds	800m	1600m	1600m
Other clouds	3-5 oktas SC/AC	1-3 oktas AC	1-3 oktas AC
mean rates of climb	0,5-1 m/s	2-3 m/s	2-3 m/s
Character of thermals	disturbed by wind	cloud streets possible	cloud streets possible

Maximum Temperature: 23°C

Base of significant inversion or stable layer 2900 m

Hight of 0° Isotherm: 2600 m

QNH: 1010 hPa Tendency: slightly increasing

Special phenomena: to the north isolated showers, gusty surface winds up to about 30 kt

Outlook: still strong sothwesterly winds, warm air advection in the west of the area

Date/Time of origin: 25 July 2007, 09.20 LT