



Weather Forecast for 31st FAI World Gliding Championship
Valid: 06-08-2010 SE part of Hungary

General forecast:	An upper trough, which will intensify, is placed over W parts of Hungary and slowly move to eastwards. In the foreside of this system very heavy thunderstorms are going to develop due to the unstable air and wind shear factor.
Warnings:	SUPERCELLS AND SQUALL LINE ARE POSSIBLE WITH STORMY GUSTS (90 KPH <) AND LARGE HAIL (2 CM<) HUGE AREA!!!

Thermal activity			
(Every height is in meter, above mean sea level)			
Flyable (at least 600 m) thermals:	Starting at	LOCALLY 10.30-12.00	25-28 °C
	Ending at	AFTERNOON: HEAVY THUNDERSTORMS!	
Maximum temperature:	W: 25-27°C, E: 27-31°C		
First Cu clouds	Starting	10.30-12.00	700-1200 m °C
	At starting of thermals	At 13.00 LT	At time of maximum (VARIABLE)
Top of blue thermals:	-	-	-
Amount of Cu clouds:	1-2/8	1-3/8	1-3/8
Base of Cu clouds (m):	700-900	900-1200	1000-1300
Top of Cu clouds (m):	1000-1500	1500-2500 ISOL 2500<	OCNL 2500<
Average lifting (m/s): (Glide ratio: 20/1-30/1)	0.5-1.0	0.7-1.2	1.2 <
Type of thermals:	bubble	bubble/chimney	chimney
Other clouds:	3-6/8 Ac, Cb	4-7/8 Cb, Ac	4/7/8 Cb, Ac
Base of inversion or stable layer (m):	-	-	-
Height of 0°C isotherm:	3600-3800	3700-4000	3600-3900
Special phenomena:	SUPERCELLS, SQUALL LINE WILL DEVELOP IN THE AFTERNOON!		

Probability of severe weather phenomena (%)			
ISOL TS	HVY/SQL TS, TSRAGR	Gusts > 25 KT/13 MPS	Gusts > 35 KT/18 MPS
100	60	100	80
QNH	09 UTC	12 UTC	15 UTC
(hPa)	1006-1007	1005-1006	1007-1009
Height	09 UTC	SE of Hungary (degree/m/s)	15 UTC
2000 m	140-180/10-15		150-190/7-11
1500 m	130-170/6-12		160-200/6-11
1000 m	120-160/5-10		140-190/4-9
500 m	110-150/4-8		140-180/4-7 ISOL W: 240-290/4-9
Surface	100-140/3-6		140-180/3-6 W: 240-280/4-10
Forecaster:	Tamás Tóth		Date: 06-08-2010