

Hungarian National Hot Air Balloon Championship

LHOY, 5th – 8th October, 2023

Meteorological Information

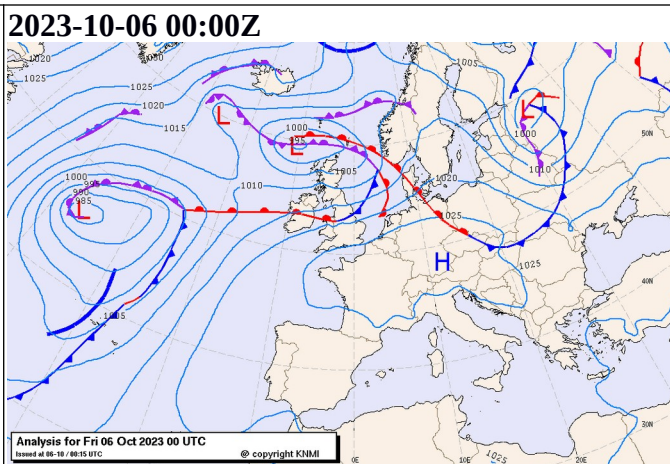
Forecast period: 2023-10-06 am from 06:00 until 10:00 LT

General Synoptic situation:

LHOY is located on the warm side of a stagnating frontal zone, on the East side of a High pressure system, under a warm upper level ridge. From the Alps moist airmass is drifted during the early morning hours.

Weather forecast:

The High pressure system influences the weather during the morning hours. A low level current of air (a weak low level jet at about 20 kt velocity) generates moderate turbulence at 500' AGL. The jet – and the associated turbulence – ceases after sunrise. Drier air is arriving: humidity and cloud amount are decreasing.



Times: UTC, Heights: feet Above Ground Level (AGL), wind speed: knots (kt), wind direction: TO True N

Wind forecast at N46.31;E18.77; init: 18Z05OCT2023

AGL ft	04Z		05Z		06Z		07Z		08Z		Soundings 00Z					
	TO	kt	TO	kt	TO	kt	TO	kt	TO	kt	lhbp		lhud			
											ft	TO	kt	ft	TO	kt
13	156	5	151	5	160	5	162	5	165	5						
69	154	10	148	12	157	7	161	8	165	7						
148	162	14	152	15	157	10	160	9	166	8	0	090	2			
230	172	16	161	17	159	12	159	9	166	8	59	105	3	220	130	10
351	180	19	171	18	166	14	159	10	167	8	233	150	8	249	131	10
515	188	18	180	18	177	14	167	13	169	8	344	150	10	416	135	14
692	192	18	183	17	186	14	175	13	175	10	938	155	15	839	139	15
885	196	17	186	15	191	13	180	13	184	11	1108	156	17	1495	145	17
1105	199	16	186	14	194	12	181	11	186	10	1538	160	21	2587	130	14
1357	198	15	184	13	191	11	179	10	182	10	2390	150	19	2767	130	14
1649	194	14	181	12	184	10	176	10	178	10	3351	130	19	3400	141	15
1990	189	13	177	12	175	10	171	10	173	10	3813	127	20	3889	150	16
2361	183	12	174	11	172	9	167	10	169	9	4689	120	21	4895	135	16
2764	177	10	172	10	170	9	166	9	168	10	4849	118	21	5308	130	16
3216	170	8	170	9	167	8	165	9	170	11	5167	115	19	6092	140	14
3721	160	7	171	9	166	8	165	11	172	12	5587	110	17	6125	139	14
4292	162	9	174	10	164	11	165	14	168	14	6784	135	23	6892	112	14
4948	165	15	171	14	158	15	160	16	160	16	8249	135	27	6961	110	14
5682	156	21	162	17	153	19	152	19	151	18	8430	135	27	7197	113	14
6502	149	25	154	21	148	22	149	21	147	19	9852	135	21	7990	125	17
7410	145	27	152	22	144	21	151	20	146	19				8026	125	17
8413	140	27	146	22	143	20	153	18	146	18				9607	109	17
10085	128	30	132	25	144	21	156	15	153	13				10052	105	17

Horizontal visibility >10km.		Lightning risk: NIL	
Inversion height: 690' AGL		Temp. difference in inversion layer: 3.5 °C	
Convection: not expected before 10am		QNH: 1025 hPa.	
Cloud type :	Cloud cover	Base	Top
CI	3/8	10000'	
AC, SC	2/8 till 08:00LT	1500'	5000'

LHOY, 2023-10-06 03:45 LT

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