



# 42<sup>nd</sup> Hungarian National Hot Air Balloon Championship

## LHOY, 5<sup>th</sup> – 8<sup>th</sup> October, 2023

### Meteorological Information

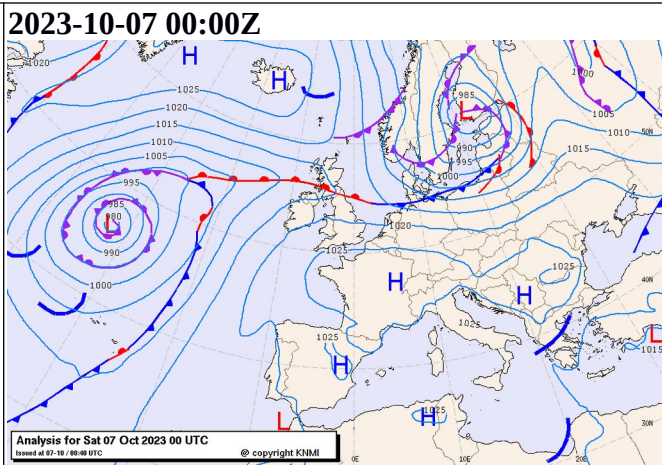
Forecast period: 2023-10-07 am from 06:00 until 10:00 LT

**General Synoptic situation:**

Decreasing anti-cyclonic influence, South side of a Low pressure system, approaching front from the North, zonality.

**Weather forecast:**

The East part of the High pressure system decays, pressure gradually decreases. In the zonal current – on the South edge of the cyclone over Northern Europe, before the approaching frontal system – thin layer of high level clouds (CI) is arriving. The air mass still dry and warm in the lower troposphere.



**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: 18Z06OCT2023

AGL ft	Soundings 00Z															
	04Z		05Z		06Z		07Z		08Z		lhbp		lhud			
	TO	kt	TO	kt	TO	kt	TO	kt	TO	kt	ft	TO	kt	ft	TO	kt
13	008	4	024	2	054	1	035	2	057	3	0	000	0	0	10	4
69	020	5	069	4	086	5	040	3	059	5	141	108	4	131	16	6
151	039	6	078	6	088	9	046	4	062	5	170	094	4	426	30	10
230	049	7	081	8	088	11	052	4	063	5	226	065	6	2590	95	8
354	054	8	080	11	087	14	065	6	065	6	505	075	10	4075	150	8
518	055	10	078	12	084	15	074	9	068	6	761	074	11	4548	167	8
695	055	11	075	13	079	15	074	12	070	6	2390	065	17	4895	180	8
889	054	11	073	13	075	14	071	13	072	7	2449	065	17	5089	175	8
1111	056	11	070	13	071	14	069	13	074	8	2508	065	17	5282	170	8
1364	059	11	069	13	070	14	070	13	075	9	3508	070	12	5315	169	9
1659	064	11	069	13	071	14	073	13	079	12	3541	071	11	6000	150	10
2000	068	11	070	13	074	13	078	13	084	15	4128	095	8	8525	141	12
2374	072	11	072	12	079	12	086	12	089	15	4508	115	10	10108	135	14
2777	078	10	076	11	086	12	094	12	094	15	4636	115	11	6125	139	14
3233	092	10	088	11	094	11	102	11	101	14	4698	115	12	6892	112	14
3738	104	10	101	10	104	10	108	10	108	13	4987	115	13	6961	110	14
4315	113	11	115	11	113	10	112	11	112	13	7118	115	19	7197	113	14
4977	125	12	125	12	119	11	116	12	109	14	7679	128	14	7990	125	17
5721	135	12	129	13	121	12	118	14	102	15	7961	135	12	8026	125	17
6548	138	12	133	13	124	13	117	16	102	16	8643	135	12	9607	109	17
7462	137	11	135	12	127	12	117	15	110	16	9567	175	12	10052	105	17
8472	136	10	134	10	128	11	122	13	123	15	9607	176	12			
10151	137	11	136	11	132	12	130	13	129	13	9908	180	12			

Horizontal visibility >10km.

Inversion height: 780' AGL

Temp. difference in inversion layer: 8.4 °C

Convection: dry thermals after 11:45LT

QNH: 1024 hPa.

Cloud type :	Cloud cover	Base	Top
CI	3/8	10000'	
AC, ST, CU	NIL	--	--

LHOY, 2023-10-07 03:25 LT

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