

HOT AIR BALLOON WEATHER BRIEFING

Location: Birstonas (54.60N, 24.03E) | Mag Decl: 7.7E | Valid: 2026-07-03 (Forecast period 03-05 UTC) | Forecaster: Virmantas

SYNOPTIC SITUATION

The surface ridge is moving out of Lithuania and the remnants of it will impact the area for slower cloudiness. The upcoming occlusion front will lead to light rain from 08:00 local and surface wind shift from south to southwest with speed increase in the lowest levels

HOURLY SURFACE FORECAST (UTC)

Param	03	04	05
Temp/Td [C]	16.0/13.0	16.0/14.0	16.0/15.0
QNH [hPa]	1008.0	1008.0	1008.0
Cloud/Wx	-/	-/	-/RA
Dir [deg]	180	200	220
Spd/Gust	2.0/4.0	3.0/5.0	4.0/7.0

HAZARDS & WARNINGS

WARNING: Strong gusts at 05Z: 7.0 m/s
WARNING: Thermal timing uncertain: +/-60 min
Light Rain from 08:00 local
Gusts from 08:00 local

CONDITIONS

Thermal: 08:30-16:31 UTC | Strength: Weak (<0.5 m/s) | Uncertainty: +/-60min
Inversion: Base 0ft, Top 500ft
Clouds: SCT SC 4000-5000ft, OVC NS 5000-22000ft

WIND PROFILE (Dir TO, Spd m/s)

MEPS						
Ht	D03	S03	D04	S04	D05	S05
0	348	1	264	1	45	2
500	4	10	52	4	69	8
1000	9	10	86	6	83	10
1500	17	10	59	7	91	11
2000	23	10	38	10	83	10
2500	28	9	30	10	75	9
3000	36	9	29	10	55	9
3500	39	9	31	10	40	9
4000	41	9	34	10	34	9
4500	42	8	35	10	37	8
5000	44	8	36	10	34	9

OBSERVED DATA

Ht(ft)	Dir	Spd
339	351	0
503	17	2
667	18	4
831	21	4
995	28	4
1159	29	4
1323	33	5
1487	38	5
1651	49	5
1815	56	5
1979	64	3

WIND SUMMARY MAP

