

CLA 1, Italian HAB Open Championship 2026

Coordinates: 43.3341°N, 11.8581°E | Elevation: 261 m ASL | Forecast period: Thu 01 Oct 19:00-21:00 GMT+2 | Model: Best match (automatic)

Launch window daylight, thermal activity and surface wind combined Thu 01 Oct · limits: wind 4/6 m/s, gust 8 m/s

07	08	09	10	11	12	13	14	15	16	17	18
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Within limits Caution Beyond limits

- Sunrise / sunset**07:10 / 18:55 GMT+2 — the span shown above
- Civil twilight**Begins 06:41, ends 19:24 GMT+2. Outside the strip, but flyable under some rule sets.
- Thermal activity**Rises above 0.8 m/s from about 10:00 and eases after 17:00; peak 1.7 m/s at 14:00.
- Longest window within limits**07:00-10:00 (3 h)

Window classification combines civil twilight, Thermalmap thermal activity and model surface wind against the limits set below. It is planning guidance, not an authorization.

Synoptic situation

Model guidance for the local grid point indicates that overcast to partly cloudy conditions are favoured, with no meaningful hourly precipitation modelled. The 10 m wind is broadly steady from NE at 2.2-1.4 m/s. Mean sea-level pressure rises by 1.1 hPa across the period.

Hourly surface forecast (GMT+2)

Parameter	19:00	20:00	21:00
Air / dew point [°C]	23.0 / 9.0	21.0 / 10.5	19.0 / 11.6
MSL pressure [hPa]	1025	1025	1025
Weather / precip [mm]	Overcast / 0.0	Overcast / 0.0	Partly cloudy / 0.0
Clouds [total; L/M/H %]	100; 0/44/100	100; 0/37/100	77; 0/35/55
Wind from [°]	51 NE	57 NE	48 NE
Speed / gust [m/s]	2.2 / 4.0	1.7 / 4.1	1.4 / 2.8
Visibility [km]	43.5	41.5	40.3

Conditions

- Surface wind**2.2-2.2 m/s from NE; gusts to 4.1 m/s
- Cloud cover**Overcast; peak total cloud cover 100%.
- Solar heating**Limited potential (peak model radiation 31 W/m²). This is not a thermal forecast.
- Freezing level**3650 m above sea level (minimum in period).
- Convection**No meaningful CAPE signal in the selected model period.

- **Morning window closes near 10:00.** Thermal activity crosses 0.8 m/s around then; expect increasing low-level turbulence, less predictable vertical control and firmer landings after that point.
- **Evening window opens after about 17:00**, when activity drops back below the same threshold and the surface layer begins to decouple.
- **Working height reaches about 2297 ft AGL** at its deepest. This is Thermalmap's soaring-usable height and sits below the full mixed layer, so treat it as the lower bound of the turbulent depth rather than its top.
- Peak activity 1.7 m/s near 14:00 local.

Parameter	09 07Z	10 08Z	11 09Z	12 10Z	13 11Z	14 12Z	15 13Z	16 14Z	17 15Z	18 16Z	19 17Z
Thermal strength [m/s]	0.6	1.0	1.3	1.5	1.6	1.7	1.7	1.4	0.4	0.0	0.0
Working height [ft AGL]	0	328	656	984	1312	1969	2297	1640	328	0	0
Cloud, low [/8]	4	3	2	1	1	1	2	2	2	1	1
Cloud, mid [/8]	2	2	2	3	4	2	2	3	3	3	4
Cloud, high [/8]	0	0	0	0	0	0	0	2	2	1	1
Wind 10 m, from [°]	105	100	125	135	125	130	125	105	160	185	170
Wind 10 m [m/s]	1.9	1.9	3.1	1.9	1.9	1.9	1.9	1.1	1.1	1.9	3.1
Temp / dew point [°C]	15/13	17/13	19/12	20/12	22/11	23/11	24/10	24/10	23/10	21/11	19/11

Thermal strength and working height describe the depth and vigour of the convective mixed layer. For a balloon this is a turbulence and control indicator, not a climb forecast. Data from [Thermal Information Map](#) (OGN data under ODbL, non-commercial use only).

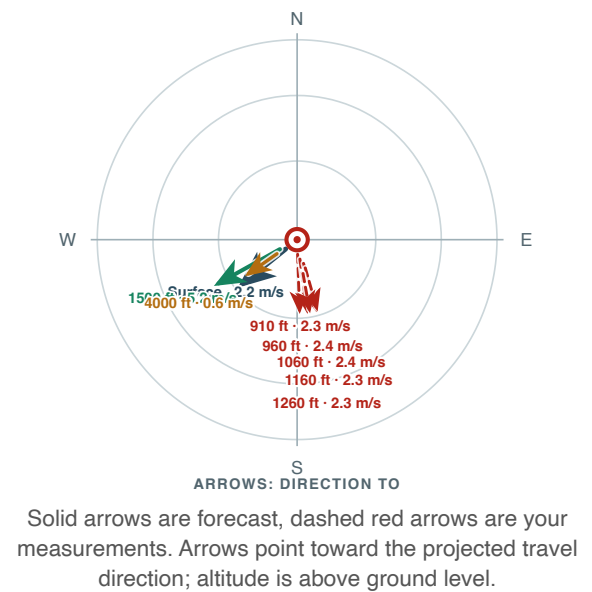
Nearby airport observations latest METAR							
Airport	Observed (UTC)	Temp / Td	Wind from	Visibility	Clouds	QNH	Raw METAR
Perugia/Egidio Arpt, PG, IT LIRZ · 59 km SE (116°)	01 Oct 14:00Z	28 / 11 °C	350° N / 7 kt (3.6 m/s)	6+	CLR	1023 hPa	METAR LIRZ 011350Z AUTO 35007KT 320V030 9999 NCD 28/11 Q1023
Florence/Peretola Arpt, FI, IT LIRQ · 75 km NW (315°)	01 Oct 14:00Z	29 / 10 °C	Not reported	6+	FEW	1022 hPa	METAR LIRQ 011350Z VRB03KT 9999 FEW080 29/10 Q1022
Grosseto, GR, IT LIRS · 90 km SW (225°)	01 Oct 14:00Z	25 / 18 °C	230° SW / 9 kt (4.6 m/s)	6+	SCT	1022 hPa	METAR LIRS 011355Z 23009KT 9999 FEW025TCU SCT030 25/18 Q1022
Forli/Ridolfi Arpt, FC, IT LIPK · 97 km N (10°)	01 Oct 14:00Z	27 / 11 °C	Not reported	6+	CAVOK	1024 hPa	METAR LIPK 011350Z VRB03KT CAVOK 27/11 Q1024

Airport observations are useful local checks, but their elevation and exposure can differ substantially from the launch field.

Directions shown as DIRECTION TO — navigational, the way the balloon travels. Speeds in m/s.

Height AGL	Forecast		Measured		Δ dir
	Dir to	Speed	Dir to	Speed	
Surface	231° SW	2.2 m/s	—	—	—
250 ft	234° SW	2.9 m/s	—	—	—
500 ft	237° SW	3.6 m/s	—	—	—
750 ft	238° SW	4.2 m/s	—	—	—
1000 ft	239° SW	4.8 m/s	172° S	2.4 m/s	67°
1500 ft	241° SW	5.2 m/s	171° S	2.1 m/s	70°
2000 ft	243° SW	5.0 m/s	152° SE	2.0 m/s	91°
2500 ft	242° SW	3.6 m/s	158° S	2.1 m/s	84°
3000 ft	240° SW	2.4 m/s	134° SE	1.5 m/s	106°
4000 ft	235° SW	0.6 m/s	127° SE	1.5 m/s	108°

Wind summary — selected time



Measured wind readings manual entry · observed 2026-09-30 14:34

12 readings · 910–4060 ft

Height AGL	AGL	AMSL	Dir to	Speed
910 ft	277 m	477 m	178° S	2.3 m/s
960 ft	293 m	493 m	172° S	2.4 m/s
1360 ft	415 m	615 m	175° S	2.2 m/s
1660 ft	506 m	706 m	167° S	1.9 m/s
1960 ft	597 m	797 m	152° SE	2.0 m/s
2260 ft	689 m	889 m	156° SE	2.3 m/s
2660 ft	811 m	1011 m	140° SE	2.0 m/s
2960 ft	902 m	1102 m	134° SE	1.5 m/s
3260 ft	994 m	1194 m	140° SE	1.7 m/s
3560 ft	1085 m	1285 m	146° SE	1.9 m/s
3960 ft	1207 m	1407 m	127° SE	1.5 m/s
4060 ft	1237 m	1437 m	140° SE	1.3 m/s

Showing one reading per 100 m — the measurement nearest each step, out of 33 recorded. Lowest and highest readings are always kept. AMSL heights use a site elevation of 200 m.