

CLA 1, Italian HAB Open Championship 2026

Coordinates: 43.3341°N, 11.8581°E | Elevation: 261 m ASL | Forecast period: Thu 01 Oct 07:00-09:00 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
----	----	----	----	----	----	----	----	----	----	----	----

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 13:00.
- 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 fog to partly cloudy conditions are favoured, with no meaningful hourly precipitation modelled. The 10 m wind changes from NE (51°) to W (252°), a 159° directional shift. Mean sea-level pressure is nearly steady near 1024 hPa.

Hourly surface forecast (GMT+2)

Parameter	07:00	08:00	09:00
Air / dew point [°C]	13.3 / 13.3	13.9 / 13.4	16.2 / 14.5
MSL pressure [hPa]	1025	1025	1025
Weather / precip [mm]	Fog / 0.0	Fog / 0.0	Partly cloudy / 0.0
Clouds [total; L/M/H %]	32; 28/4/0	25; 16/10/0	40; 0/40/0
Wind from [°]	51 NE	74 E	252 W
Speed / gust [m/s]	0.6 / 1.0	0.7 / 1.5	0.6 / 2.1
Visibility [km]	0.4	2.7	9.9

Conditions

- Surface wind

0.6-0.7 m/s from NE; gusts to 2.1 m/s
- Cloud cover

Scattered cloud; peak total cloud cover 40%.
- Solar heating

Limited potential (peak model radiation 142 W/m²). This is not a thermal forecast.
- Freezing level

3620 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 13:00 local.
- Low cloud reaches 6/8 — expect a lower, more variable cloud base and reduced solar drive.

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	1.2	1.3	1.6	1.7	1.6	1.7	1.4	0.7	0.0	0.0
Working height [ft AGL]	0	328	656	1312	1640	1969	2297	1969	328	0	0
Cloud, low [/8]	5	3	3	3	3	5	4	5	6	6	6
Cloud, mid [/8]	6	4	2	3	3	5	3	3	5	5	4
Cloud, high [/8]	0	0	0	0	0	0	1	3	1	1	1
Wind 10 m, from [°]	90	110	120	130	125	130	120	140	175	190	145
Wind 10 m [m/s]	1.9	3.1	1.9	1.9	1.9	1.9	1.9	1.1	1.1	1.9	3.1
Temp / dew point [°C]	16/12	18/13	19/13	21/13	22/13	23/13	24/13	24/12	24/12	22/13	19/12

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

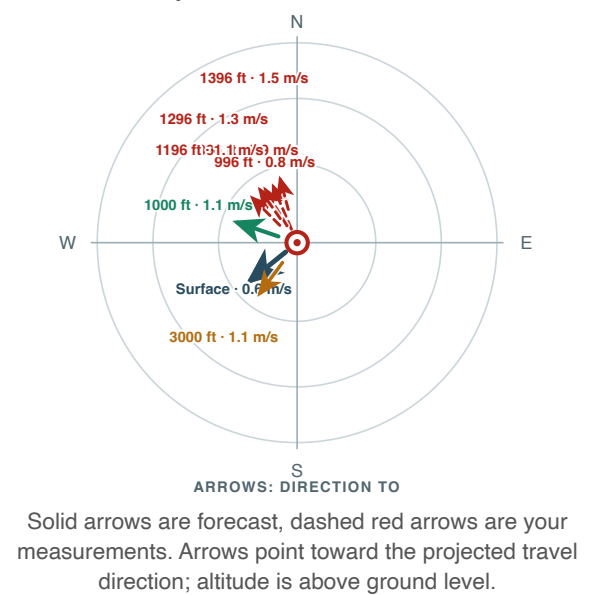
Airport	Observed (UTC)	Temp / Td	Wind from	Visibility	Clouds	QNH	Raw METAR
Perugia/Egidio Arpt, PG, IT LIRZ · 59 km SE (116°)	01 Oct 04:00Z	13 / 11 °C	20° N / 5 kt (2.6 m/s)	6+	CLR	1024 hPa	METAR LIRZ 010350Z AUTO 02005KT 9999 NCD 13/11 Q1024
Florence/Peretola Arpt, FI, IT LIRQ · 75 km NW (315°)	01 Oct 04:00Z	14 / 14 °C	50° NE / 2 kt (1.0 m/s)	6+	CAVOK	1023 hPa	METAR LIRQ 010350Z 05002KT CAVOK 14/14 Q1023
Grosseto, GR, IT LIRS · 90 km SW (225°)	01 Oct 04:00Z	17 / 13 °C	40° NE / 4 kt (2.1 m/s)	6+	CAVOK	1023 hPa	METAR LIRS 010355Z 04004KT CAVOK 17/13 Q1023
Rimini/Miramare Arpt, RN, IT LIPR · 97 km NE (38°)	01 Oct 04:00Z	15 / 14 °C	0° N / 0 kt (0.0 m/s)	6+	BKN	1024 hPa	METAR LIPR 010350Z AUTO 00000KT 9999 BKN130/// 15/14 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.

Height AGL	Forecast		Measured		Δ dir
	Dir to	Speed	Dir to	Speed	
Surface	231° SW	0.6 m/s	—	—	—
250 ft	252° W	0.7 m/s	—	—	—
500 ft	270° W	0.8 m/s	—	—	—
750 ft	281° W	1.0 m/s	—	—	—
1000 ft	289° W	1.1 m/s	337° NW	0.8 m/s	48°
1500 ft	276° W	1.4 m/s	351° N	1.4 m/s	75°
2000 ft	252° W	1.8 m/s	275° W	1.4 m/s	23°
2500 ft	239° SW	1.3 m/s	274° W	1.0 m/s	35°
3000 ft	216° SW	1.1 m/s	274° W	0.8 m/s	58°

Wind summary — selected time



Measured wind readings

manual entry · observed 2026-09-30 14:34

8 readings · 996–3196 ft

Height AGL	AGL	AMSL	Dir to	Speed
996 ft	304 m	754 m	337° NW	0.8 m/s
1296 ft	395 m	845 m	325° NW	1.3 m/s
1596 ft	486 m	936 m	349° N	1.3 m/s
1996 ft	608 m	1058 m	275° W	1.4 m/s
2296 ft	700 m	1150 m	274° W	1.2 m/s
2596 ft	791 m	1241 m	273° W	0.9 m/s
2996 ft	913 m	1363 m	274° W	0.8 m/s
3196 ft	974 m	1424 m	266° W	0.6 m/s

Limited to 3200 ft AGL. Showing one reading per 100 m — the measurement nearest each step, out of 23 recorded. Lowest and highest readings are always kept. AMSL heights use a site elevation of 450 m.