

CLA 1, Italian HAB Open Championship 2026

Coordinates: 43.3341°N, 11.8581°E | Elevation: 261 m ASL | Forecast period: Sat 03 Oct 07:00-09:00 GMT+2 | Model: Best match (automatic)

Launch window daylight, thermal activity and surface wind combined Sat 03 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**07:12 / 18:52 GMT+2 — the span shown above
- Civil twilight**Begins 06:43, ends 19:20 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 18:00; peak 1.9 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 fog to clear sky conditions are favoured, with no meaningful hourly precipitation modelled. The 10 m wind changes from NE (63°) to SW (243°), a 180° directional shift. Mean sea-level pressure is nearly steady near 1029 hPa.

Hourly surface forecast (GMT+2)

Parameter	07:00	08:00	09:00
Air / dew point [°C]	10.5 / 9.6	10.8 / 10.3	14.0 / 11.3
MSL pressure [hPa]	1025	1025	1025
Weather / precip [mm]	Fog / 0.0	Fog / 0.0	Clear sky / 0.0
Clouds [total; L/M/H %]	14; 10/0/5	15; 14/0/2	0; 0/0/0
Wind from [°]	63 NE	67 NE	243 SW
Speed / gust [m/s]	0.9 / 1.0	0.8 / 1.1	0.2 / 1.8
Visibility [km]	5.6	0.5	27.2

Conditions

- Surface wind**0.9-0.9 m/s from NE; gusts to 1.8 m/s
- Cloud cover**Few clouds; peak total cloud cover 15%.
- Solar heating**Limited potential (peak model radiation 154 W/m²). This is not a thermal forecast.
- Freezing level**3770 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 18:00,** when activity drops back below the same threshold and the surface layer begins to decouple.
- **Working height reaches about 2625 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 1.9 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	1.6	1.8	1.9	1.8	1.6	0.9	0.1	0.0
Working height [ft AGL]	0	0	656	1312	1640	2297	2625	2297	656	0	0
Cloud, low [/8]	0	0	0	0	0	1	1	2	2	2	1
Cloud, mid [/8]	0	0	0	1	1	1	1	0	0	0	0
Cloud, high [/8]	0	0	1	1	1	1	0	0	0	0	0
Wind 10 m, from [°]	90	65	85	95	100	100	105	100	95	80	80
Wind 10 m [m/s]	1.9	1.9	3.1	3.1	3.1	3.1	3.1	3.1	3.9	3.9	3.9
Temp / dew point [°C]	14/7	16/7	18/8	20/10	22/10	23/10	23/11	23/10	23/10	20/11	17/10

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).

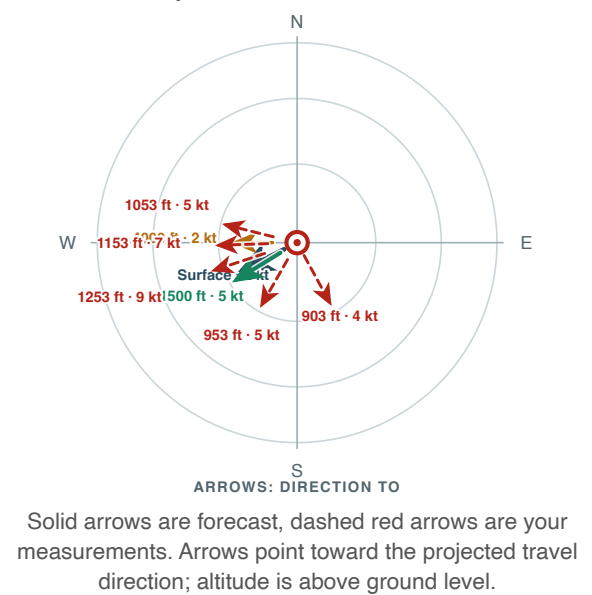
Nearby airport observations latest METAR							
Airport	Observed (UTC)	Temp / Td	Wind from	Visibility	Clouds	QNH	Raw METAR
Perugia/Egidio Arpt, PG, IT LIRZ · 59 km SE (116°)	03 Oct 04:00Z	13 / 11 °C	Not reported	6+	CLR	1028 hPa	METAR LIRZ 030350Z AUTO VRB03KT 9999 NCD 13/11 Q1028
Florence/Peretola Arpt, FI, IT LIRQ · 75 km NW (315°)	03 Oct 04:00Z	14 / 10 °C	200° S / 3 kt (1.5 m/s)	6+	CAVOK	1027 hPa	METAR LIRQ 030350Z 20003KT 070V240 CAVOK 14/10 Q1027
Grosseto, GR, IT LIRS · 90 km SW (225°)	03 Oct 03:00Z	16 / 13 °C	30° NE / 4 kt (2.1 m/s)	6+	FEW	1026 hPa	METAR LIRS 030255Z 03004KT 9999 FEW060 16/13 Q1026
Rimini/Miramare Arpt, RN, IT LIPR · 97 km NE (38°)	03 Oct 04:00Z	13 / 10 °C	240° SW / 2 kt (1.0 m/s)	6+	CLR	1028 hPa	METAR LIPR 030350Z AUTO 24002KT 9999 NCD 13/10 Q1028

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 knots.

Height AGL	Forecast		Measured		Δ dir
	Dir to	Speed	Dir to	Speed	
Surface	243° SW	2 kt	—	—	—
250 ft	239° SW	2 kt	—	—	—
500 ft	237° SW	3 kt	—	—	—
750 ft	235° SW	3 kt	—	—	—
1000 ft	234° SW	4 kt	210° SW	5 kt	25°
1500 ft	239° SW	5 kt	257° W	13 kt	18°
2000 ft	251° W	6 kt	246° SW	11 kt	5°
2500 ft	261° W	5 kt	262° W	14 kt	1°
3000 ft	270° W	4 kt	270° W	5 kt	0°
4000 ft	270° W	2 kt	230° SW	3 kt	40°

Wind summary — selected time



Measured wind readings

2026-10-03_0528_15824.SERRISTORI.csv · observed 2026-09-30

13 readings · 903–4353 ft

14:34

Height AGL	AGL	AMSL	Dir to	Speed
903 ft	275 m	475 m	152° SE	4 kt
953 ft	290 m	490 m	210° SW	5 kt
1353 ft	412 m	612 m	256° W	12 kt
1653 ft	504 m	704 m	256° W	13 kt
1953 ft	595 m	795 m	246° SW	11 kt
2253 ft	687 m	887 m	258° W	14 kt
2653 ft	809 m	1009 m	269° W	11 kt
2953 ft	900 m	1100 m	270° W	5 kt
3253 ft	992 m	1192 m	298° NW	2 kt
3653 ft	1113 m	1313 m	246° SW	3 kt
3953 ft	1205 m	1405 m	230° SW	3 kt
4253 ft	1296 m	1496 m	189° S	2 kt
4353 ft	1327 m	1527 m	168° S	2 kt

Showing one reading per 100 m — the measurement nearest each step, out of 36 recorded. Lowest and highest readings are always kept. AMSL heights use a site elevation of 200 m.