

CLA 1, Italian HAB Open Championship 2026

Coordinates: 43.3341°N, 11.8581°E | Elevation: 261 m ASL | Forecast period: Fri 02 Oct 09:00-11:00 GMT+2 | Model: Best match (automatic)

Launch window daylight, thermal activity and surface wind combined Fri 02 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**07:11 / 18:53 GMT+2 — the span shown above
- Civil twilight**Begins 06:42, ends 19:22 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 overcast conditions are favoured, with no meaningful hourly precipitation modelled. The 10 m wind changes from NE (45°) to NW (321°), a 84° directional shift. Mean sea-level pressure rises by 0.7 hPa across the period.

Hourly surface forecast (GMT+2)

Parameter	09:00	10:00	11:00
Air / dew point [°C]	16.9 / 11.4	19.7 / 10.7	22.2 / 9.3
MSL pressure [hPa]	1025	1025	1025
Weather / precip [mm]	Overcast / 0.0	Overcast / 0.0	Overcast / 0.0
Clouds [total; L/M/H %]	95; 0/72/82	94; 0/66/77	98; 0/60/93
Wind from [°]	45 NE	270 W	321 NW
Speed / gust [m/s]	0.1 / 1.1	0.4 / 1.7	0.6 / 2.1
Visibility [km]	36.9	40.3	41.9

Conditions

- Surface wind**0.1-0.6 m/s from NE; gusts to 2.1 m/s
- Cloud cover**Overcast; peak total cloud cover 98%.
- Solar heating**Moderate potential (peak model radiation 352 W/m²). This is not a thermal forecast.
- Freezing level**3580 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	1.6	1.6	1.7	1.6	1.5	0.7	0.1	0.0
Working height [ft AGL]	0	328	984	1312	1969	2297	2297	1969	328	0	0
Cloud, low [/8]	2	2	1	2	2	2	2	2	2	1	1
Cloud, mid [/8]	4	3	3	4	5	4	5	5	5	5	5
Cloud, high [/8]	2	3	2	2	2	2	3	2	3	2	2
Wind 10 m, from [°]	85	85	95	90	75	70	75	70	60	60	75
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	3.1
Temp / dew point [°C]	16/11	18/10	20/10	21/10	22/10	23/10	23/10	23/11	22/12	20/13	17/12

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).

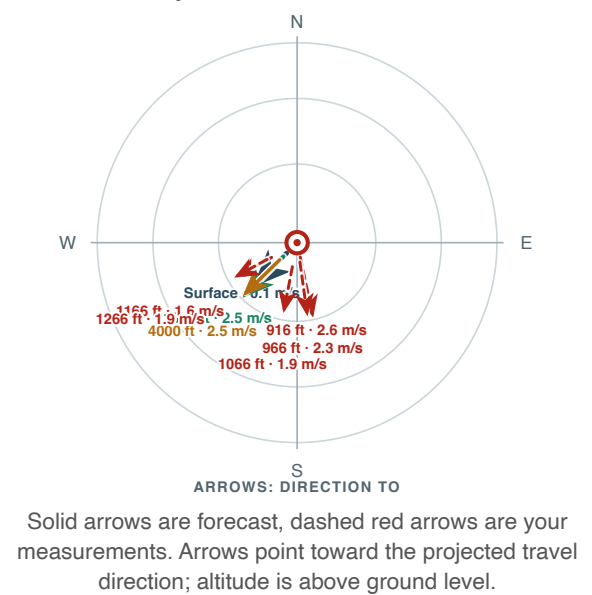
Nearby airport observations latest METAR							
Airport	Observed (UTC)	Temp / Td	Wind from	Visibility	Clouds	QNH	Raw METAR
Perugia/Egidio Arpt, PG, IT LIRZ · 59 km SE (116°)	02 Oct 04:00Z	13 / 9 °C	50° NE / 4 kt (2.1 m/s)	6+	CLR	1026 hPa	METAR LIRZ 020350Z AUTO 05004KT 9999 NCD 13/09 Q1026
Florence/Peretola Arpt, FI, IT LIRQ · 75 km NW (315°)	02 Oct 04:00Z	17 / 12 °C	Not reported	6+	CAVOK	1026 hPa	METAR LIRQ 020350Z VRB02KT CAVOK 17/12 Q1026
Grosseto, GR, IT LIRS · 90 km SW (225°)	02 Oct 03:00Z	17 / 14 °C	40° NE / 3 kt (1.5 m/s)	6+	FEW	1024 hPa	METAR LIRS 020255Z 04003KT 9999 FEW030 17/14 Q1024
Rimini/Miramare Arpt, RN, IT LIPR · 97 km NE (38°)	02 Oct 04:00Z	12 / 8 °C	240° SW / 2 kt (1.0 m/s)	6+	CLR	1026 hPa	METAR LIPR 020350Z AUTO 24002KT 9999 NCD 12/08 Q1026

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	225° SW	0.1 m/s	—	—	—
250 ft	219° SW	0.5 m/s	—	—	—
500 ft	218° SW	1.0 m/s	—	—	—
750 ft	218° SW	1.4 m/s	—	—	—
1000 ft	219° SW	1.7 m/s	172° S	2.3 m/s	47°
1500 ft	225° SW	2.5 m/s	231° SW	2.3 m/s	6°
2000 ft	236° SW	3.5 m/s	234° SW	4.2 m/s	2°
2500 ft	239° SW	3.8 m/s	231° SW	4.0 m/s	8°
3000 ft	239° SW	3.7 m/s	234° SW	5.6 m/s	5°
4000 ft	226° SW	2.5 m/s	225° SW	3.3 m/s	1°

Wind summary — selected time



Measured wind readings

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

12 readings · 916–4066 ft

Height AGL	AGL	AMSL	Dir to	Speed
916 ft	279 m	479 m	168° S	2.6 m/s
966 ft	294 m	494 m	172° S	2.3 m/s
1266 ft	386 m	586 m	241° SW	1.9 m/s
1666 ft	508 m	708 m	224° SW	3.1 m/s
1966 ft	599 m	799 m	234° SW	4.2 m/s
2266 ft	691 m	891 m	231° SW	4.4 m/s
2666 ft	813 m	1013 m	238° SW	4.2 m/s
2966 ft	904 m	1104 m	234° SW	5.6 m/s
3266 ft	995 m	1195 m	226° SW	5.5 m/s
3566 ft	1087 m	1287 m	223° SW	4.7 m/s
3966 ft	1209 m	1409 m	225° SW	3.3 m/s
4066 ft	1239 m	1439 m	224° SW	3.1 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.