

World Trail Orienteering Championships 2025

Bulletin 1

December 31, 2025





1. INVITATION.....	3
2. WELCOME.....	4
3. ORGANIZERS AND SUPPORTERS.....	5
4. PROGRAM OF EVENTS.....	6
5. MAPS AND TERRAIN.....	7
6. EVENT CENTER	12
7. TRANSPORTATION AND ACCOMMODATION	13
8. CLASSES AND PARTICIPATION	14
9. AWARDS	16
10. DESCRIPTION OF PUNCHING SYSTEM AND RESULTS DISPLAY	16
11. WEATHER AND CLIMATE CONDITIONS.....	17
12. LIGHTING.....	21
13. TRAINING POSSIBILITIES AND RELATED EVENTS.....	22
14. RULES	23
15. CONTACTS	24
16. GLOSSARY	25
17. APPENDIX: SAMPLE LIST OF ACTIVITIES IN THE LOS ANGELES AREA.....	26
18. APPENDIX: TRANSPORTATION AND ACCOMMODATION INFORMATION	27



1. Invitation

We invite you to join us in California for the 2027 World Trail Orienteering Championships. Our organizers, partners, sponsors and volunteers are working to bring you the first World Trail Orienteering Championships ever held in North America. Our program comprises 5 high-level and model events, spread across a week in a variety of challenging terrain that is unique to the West Coast of the United States. Our events are designed to appeal to Orienteers of all abilities, ages and genders.

Y'all come!



WTOC 2027 Steering Team

Clare Durand, Leif Eriksson, Libor Forst, Jay Hann, Karen Murphy, Recinda Sherman, Gavin Wyatt-Mair



2. Welcome

Tori Campbell, President of Orienteering USA



Dear athletes, team officials, volunteers, and friends of orienteering,

On behalf of Orienteering USA, it is my pleasure to welcome you to the 2027 World Trail Orienteering Championships in Los Angeles. This championship gathers the best in PreO, TempO, and Relay - including the outstanding P-class athletes who inspire all of us with their skill, determination, and sportsmanship. Trail orienteering is a sport for everyone, and we celebrate the achievements of all competitors who exemplify inclusion and fair play.

Los Angeles is known around the world for its diversity, creativity, and iconic culture, from sun-soaked beaches to its global role in entertainment and sports. The city invites you to explore, enjoy, and experience the energy and vibrancy that make it a truly remarkable destination. The local organizing team, led by the LA Orienteering Club, will share the unique character of this region, the variety of terrains, and the welcoming spirit that make Los Angeles a perfect host for trail orienteering.

Thank you to the local organizers, volunteers, IOF partners, and every delegation for bringing your energy and passion. We look forward to a week of memorable competition, camaraderie, and discovery - both on the trails and in this extraordinary city.



3. Organizers and supporters

Organization	Type	Function
OrienteeringUSA 	National Federation	Sponsor
 Los Angeles Orienteering Club	Club, based in the greater Los Angeles area	Primary Host
 BAOC Bay Area Orienteering Club	Club, based in the San Francisco Bay Area	Support and logistics
	Club, based in the San Diego area	Support
	Club, based in the San Francisco East Bay	Mapping
 Western Race Services	Company, based in the San Francisco East Bay	Equipment and logistics
	Club, based in the San Francisco Bay area	Mapping
	Company, based in the greater Los Angeles area	Mapping
    	Landowners	Arenas, logistics, support and access



4. Program of events (preliminary)

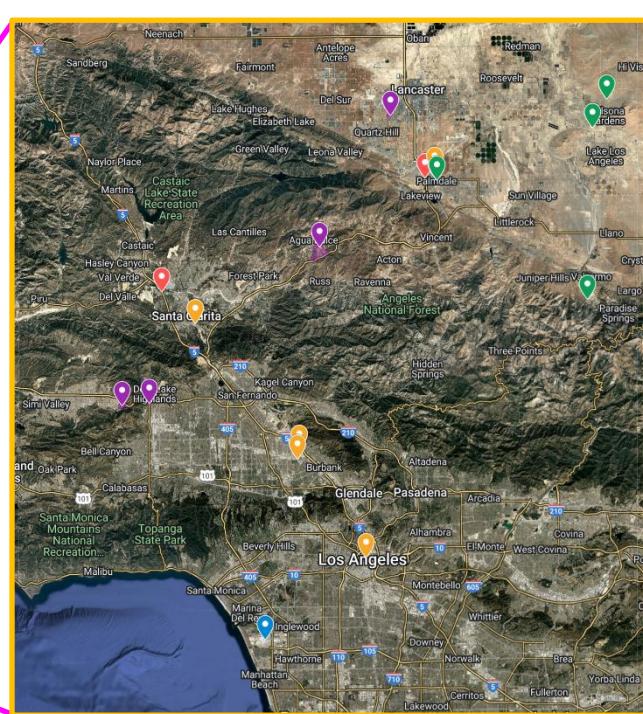
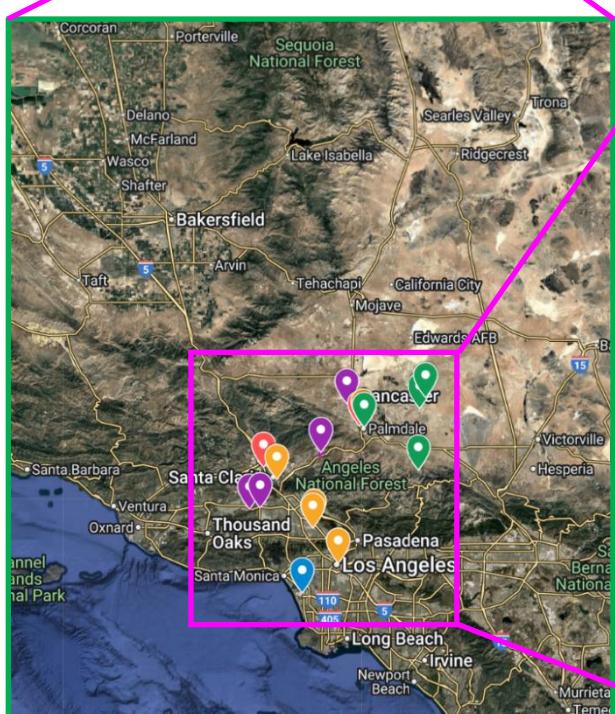
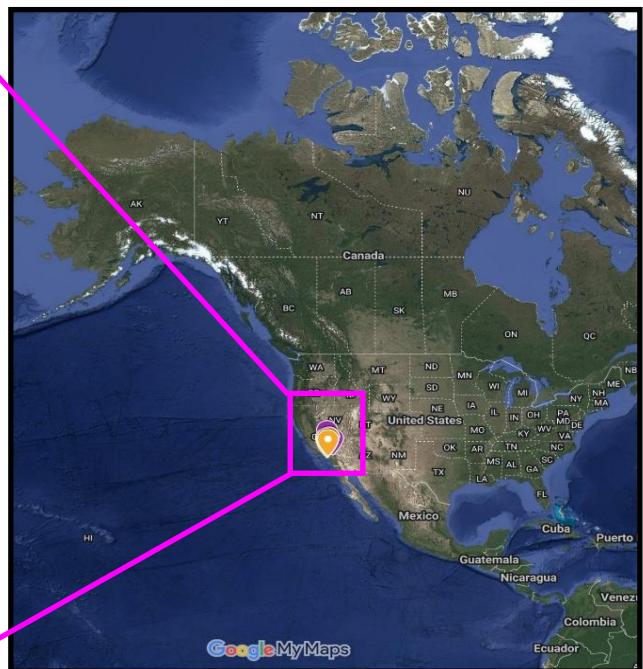
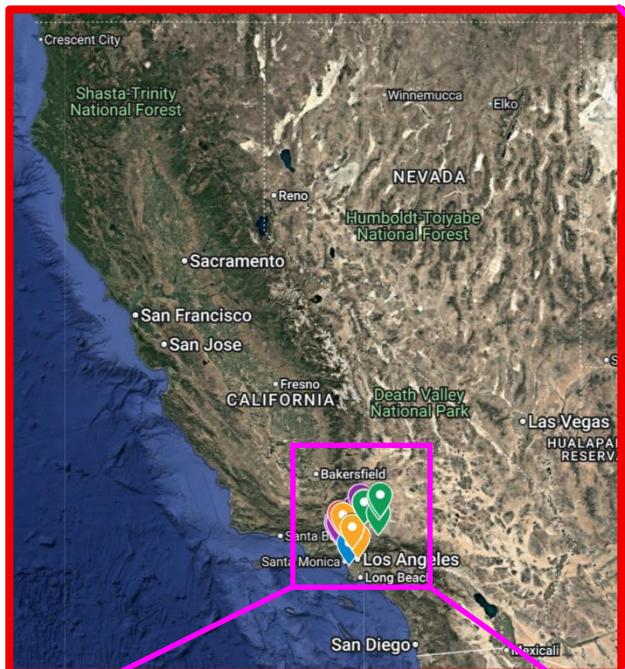
WRE=World ranking event NRE=National Ranking Event WTOC= World Trail Orienteering Championships

Date	Map and location	Event
Tuesday Nov 9	Stoney Point Park Chatsworth	Model
	Palmdale	WTOC opening ceremony
Wednesday Nov 10	Corriganville Park Simi Valley	PreO 1 WTOC, WRE
		Public PreO NRE
Thursday Nov 11	Corriganville Park Simi Valley	TempO Qualifier WTOC, WRE
		Public TempO NRE
Friday Nov 12	Vasquez Rocks Natural Area Agua Dulce	PreO 2 WTOC, WRE
		Public PreO NRE
		Awards Ceremony PreO WTOC
Saturday Nov 13	Vasquez Rocks Natural Area Agua Dulce	TempO Final WTOC, WRE
		Awards ceremony TempO WTOC
Sunday Nov 14	Prime Desert Woodland Preserve Lancaster	Relay Final WTOC
		Awards Ceremony Relay
	Palmdale	Public PreO
		Closing Ceremony WTOC Banquet



5. Maps and Terrain

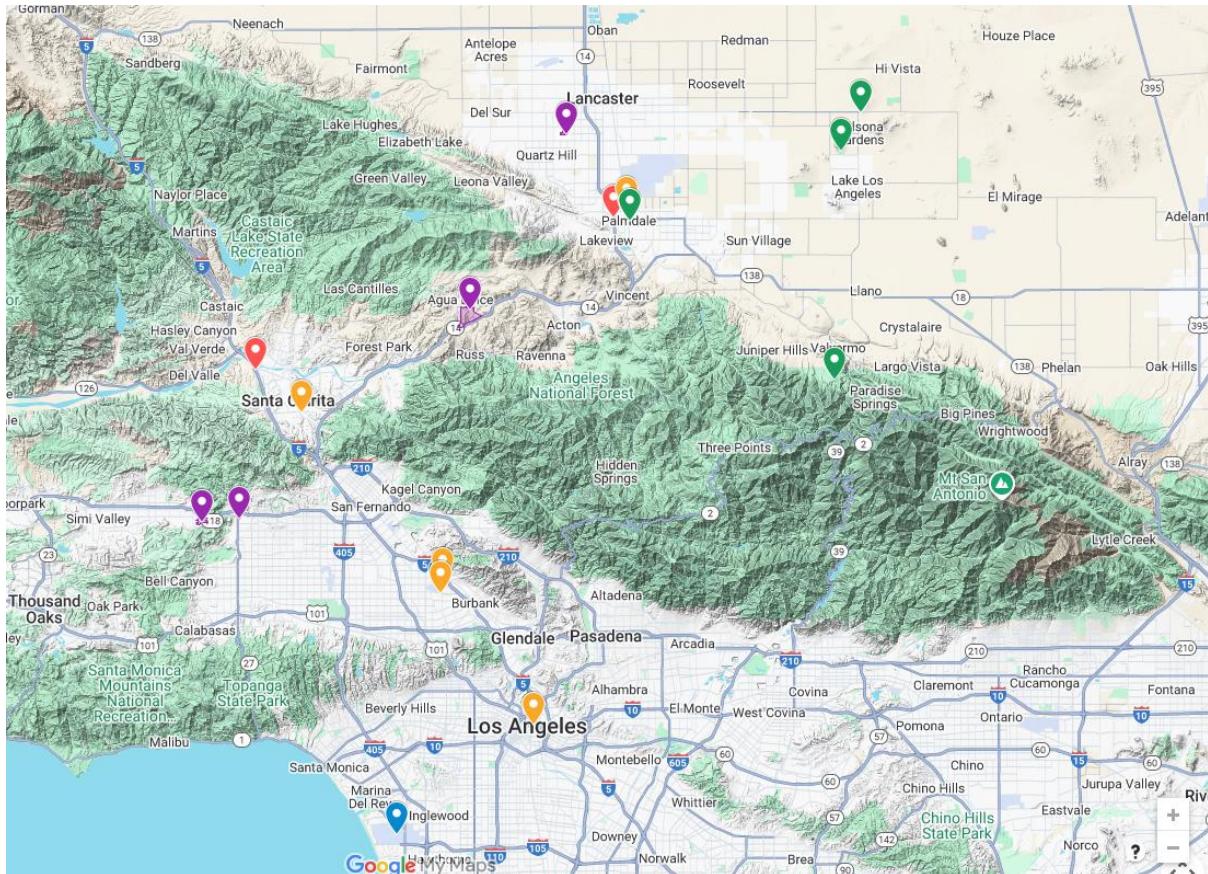
Overview of stage locations





Stage locations and embargoes

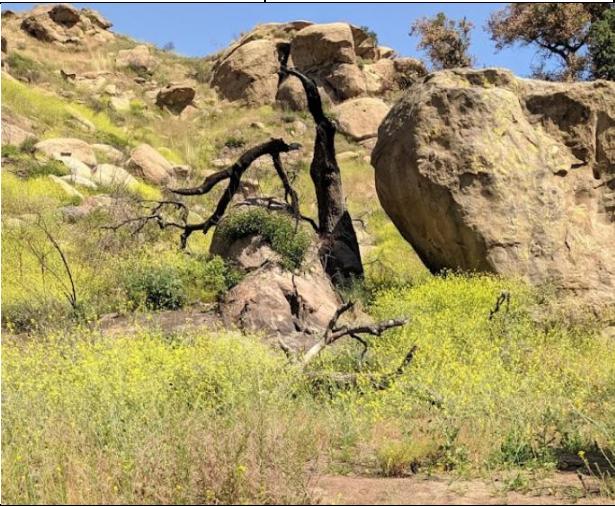
Click [here](#) to access an interactive map showing the stage locations and embargoes:



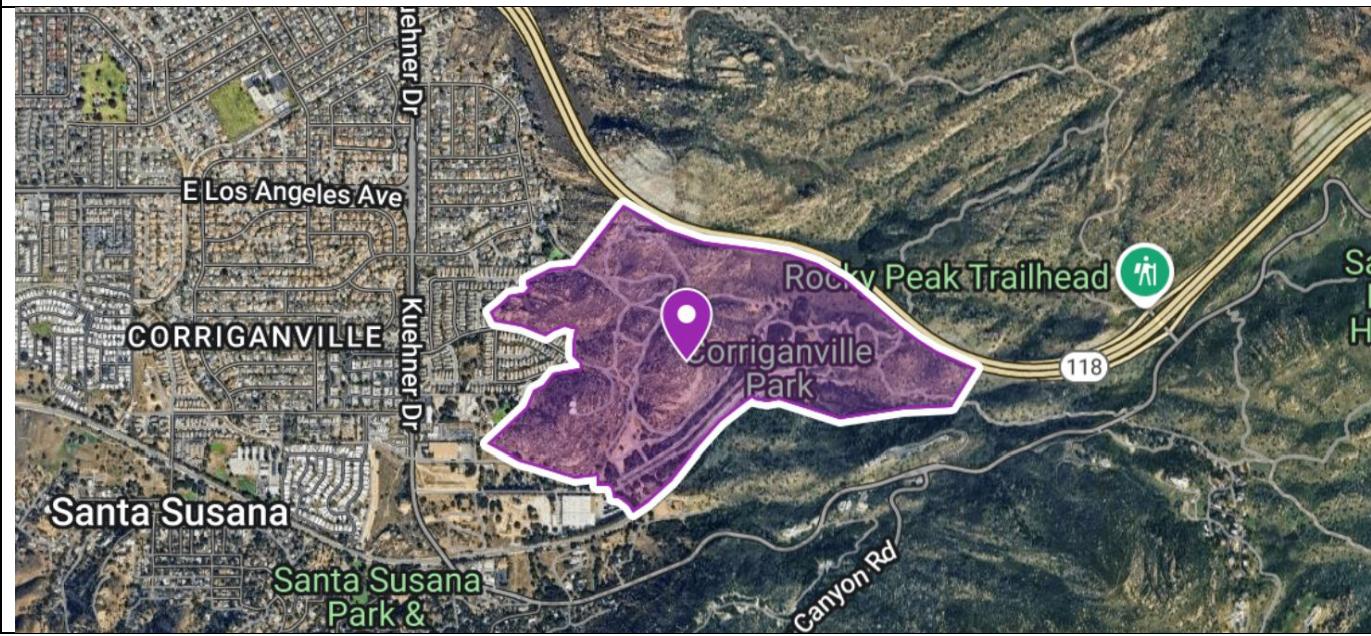
- **Purple** Competition and Model Venues
- **Blue** Airports
- **Yellow** Railway Stations
- **Red** Potential Event Centers
- **Green** Training and other sites of interest



Corriganville Park PreO 1, TempO Qualifier

Map Name	Location	Distance from Event Center	Events	Embargo starts
Corriganville (New Map)	Simi Valley	90 km	PreO-1, TempO Qualifier WTOC, WRE	January 1, 2026
No prior map			<p>Semi-open rocky slopes and cliffs with bushes and grass</p> 	

Embargoed area





Vasquez Rocks PreO 2, TempO Final

[Existing Map ISOM 2017-2 1:10,000 5m contours](#) last updated for National Foot-O Champs in 2022 and used annually in January for local Foot-O events. Last used January 11, 2026.

[Existing Map ISSprOM 1:4000 15 foot contours](#) with formlines created for TORUS 2021. Also used for small foot-O courses at Vasquez Rocks public open house event in 2023, 2024, and 2025. Link is to a folder containing the pieces of this map that have been previously published.

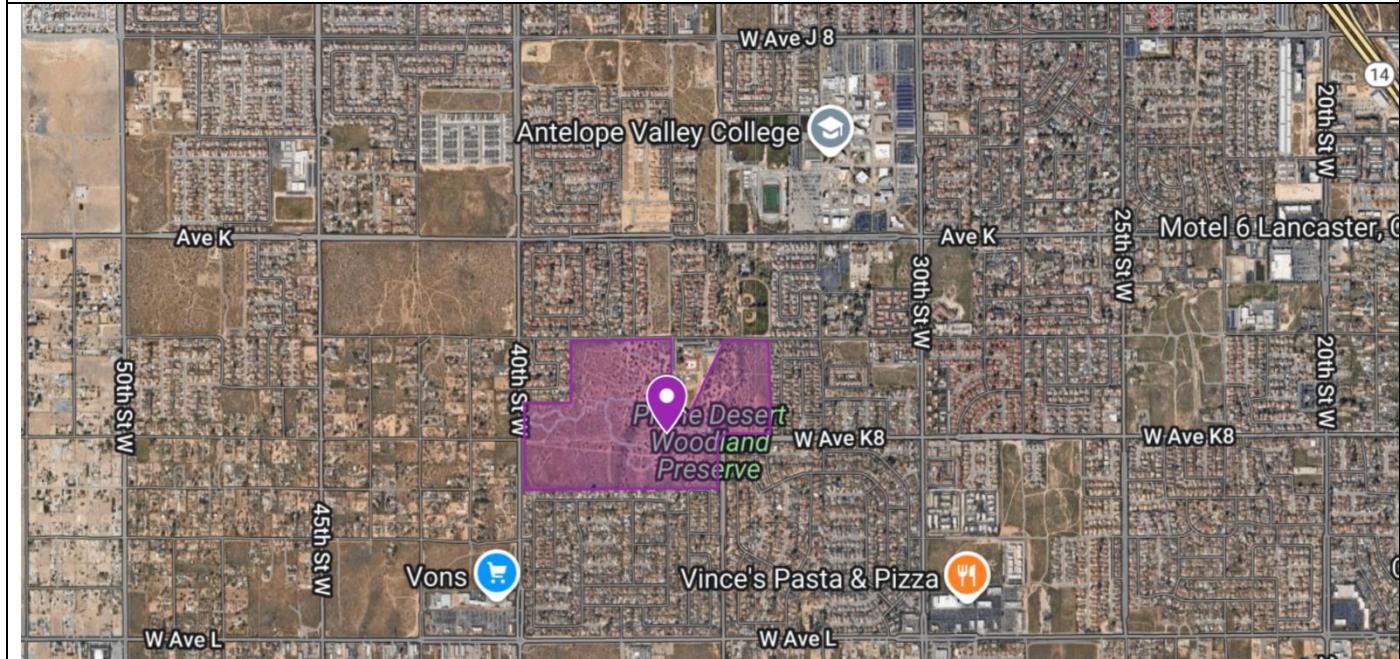
Map Name	Location	Distance from Event Center	Events	Embargo starts		
Vasquez Rocks	Agua Dulce	35 km	PreO 2 TempO Final WRE	January 12, 2026		
		<p>Sandstone cliffs and boulders with Chapparal and Juniper trees</p>				
Embargoed area						
						



Prime Desert Woodland Preserve Relay

Map Name	Location	Distance from Event Center	Events	Embargo starts
Prime Desert Woodland	Lancaster	3 km	Relay	January 1, 2026
New map			Subtle sand dunes with desert shrubs and Joshua trees	

Embargoed area





6. Event Center

The event center will be located near Palmdale, California. The exact event center will be announced in Bulletin 2.



7. Transportation and accommodation

Passports are needed to enter the United States. For visa information, please visit the federal travel website:

<http://travel.state.gov/content/visas/en.html>

Transport to the Event Center is by car or bus from Los Angeles, California. We highly recommend renting a car. All airports have many rental car agencies, and Uber or Lyft (private taxi service) are also available. Amtrak can get you by rail to Los Angeles from US major cities.

The competition region is about 120 km, or 105 minutes by car, from Los Angeles International Airport (LAX), and about 3 hours by light rail and bus. Uber or Lyft private taxi fare from LAX is about \$150.00.

Your travel agent or airline should be consulted to customize your planning for your travel and vacation time in this popular area for tourists.

Accommodations are plentiful in the area nearby the event center. There are a wide range of different holiday options available, including camping, cabins, private homes, motels, hotels from 1- to 5-star, condominiums, flats, plus Airbnb, VRBO and other rental homes throughout the area.

See Appendix or do internet searches for facilities around Santa Clarita, Palmdale and Lancaster.



8. Classes and Participation

Competition Classes and Participation may be found in the [IOF Rules for Trail Orienteering Events](#), sections 5 and 6. There is a pending change, which is described in the IOF document titled “Junior Competition in Trail orienteering”. An excerpt from this document is shown here:

Proposed implementation

1.1. Competition programme

The junior competition will be integrated in WTOC (and RTOCs) using the same or similar courses as used for the Open and/or P class. There is no intention to make an easier or shorter junior course.

The competition programme remains unchanged.

1.2. Competition classes and entry limits

There will be three classes:

- Open (any competitor)
- P class (only competitors with valid P class eligibility certificate) and
- Junior (any competitor aged 20 years or younger at the end of the calendar year (U20)).

Therefore, a U20 competitor with P class certificate can enter any one of the three classes. All U20 Competitors can enter either O or Junior class. Every competitor is only considered for prizes in the class they entered in that event. It is permitted for a competitor to start in different classes for which they are eligible throughout the championship, e.g. Junior class in individual PreO and Open class in the relay or vice versa.

For WTOC, every federation will be allowed to enter 4 competitors each into Open class, P class and Junior class. This replaces the current two additional junior places. As previously, personal wildcards are allocated for each class to the current champion and the Top 15 competitors in the World Ranking lists (separated for each class and discipline) 3 months before the competition date if amongst the 2 best ranked in their federation. These athletes can be entered in addition to the normal allocation. Each federation can enter one relay team for each class.

1.3. Introduction of separate classes in TempO

There is currently only one class in the TempO competition. Because we observe declined participation of P class eligible competitors in TempO and consider that increased participation of juniors would further exacerbate this trend, we propose to introduce separate classes also in the TempO competition. The entry limits for each class (Open, Junior and P class) as detailed above in section 1.2 will apply to the TempO qualification event. The number of competitors who will qualify for the TempO finals in each class is one third of the participants on the start list for the qualification events rounded up to the nearest even number, but at least 10 and maximally 30. If competitors from the same class start in two or more qualification heats, an equal number of finalists qualify from each heat.



Classes, Eligibility and Teams

This summary table is the organizers' expectation based on IOF documents. If there is any discrepancy between this table and the IOF rules, the IOF rules will apply.

Class abbreviation	Open	P	Junior
Class description	Any competitor	Physically challenged, permanent disability	Junior 20 years old and younger at December 31, 2027
Documentation required for Class eligibility	Athlete license	Eligibility certificate and Athlete license	Passport or birth certificate and Athlete license
Documentation required for Team eligibility	Passport	Passport	Passport
PreO maximum Team size	4	4	4
TempO maximum Team size	4	4	4
Relay maximum Team size per federation	3	3	3
Plus Current World Champion	1	1	1
Plus Current Regional Champion**	1	1	1
Plus 8/8/27 TrailO world ranking list top 15, up to 2 per Federation	2	2	2

** Regional Championship must have been held after 31 August, 2025



9. Awards

World Trail Orienteering Championships

P-class, Open class and Junior class are eligible for awards. Competitors are only considered for awards in the class they entered for the event.

- The top three qualifying athletes in each discipline (PreO and TempO) will receive IOF medals.
- The top six qualifying athletes in each discipline (PreO and TempO) will receive IOF diplomas.
- The top three qualifying National Teams in the Relay will receive IOF medals, one per team member.
- The top six qualifying National Teams in the Relay will receive IOF diplomas.

World Ranking Event

- PreO and TempO participants will automatically receive World Ranking points.

10. Description of Punching system and Results display

The ToePunch electronic punching system will be used.

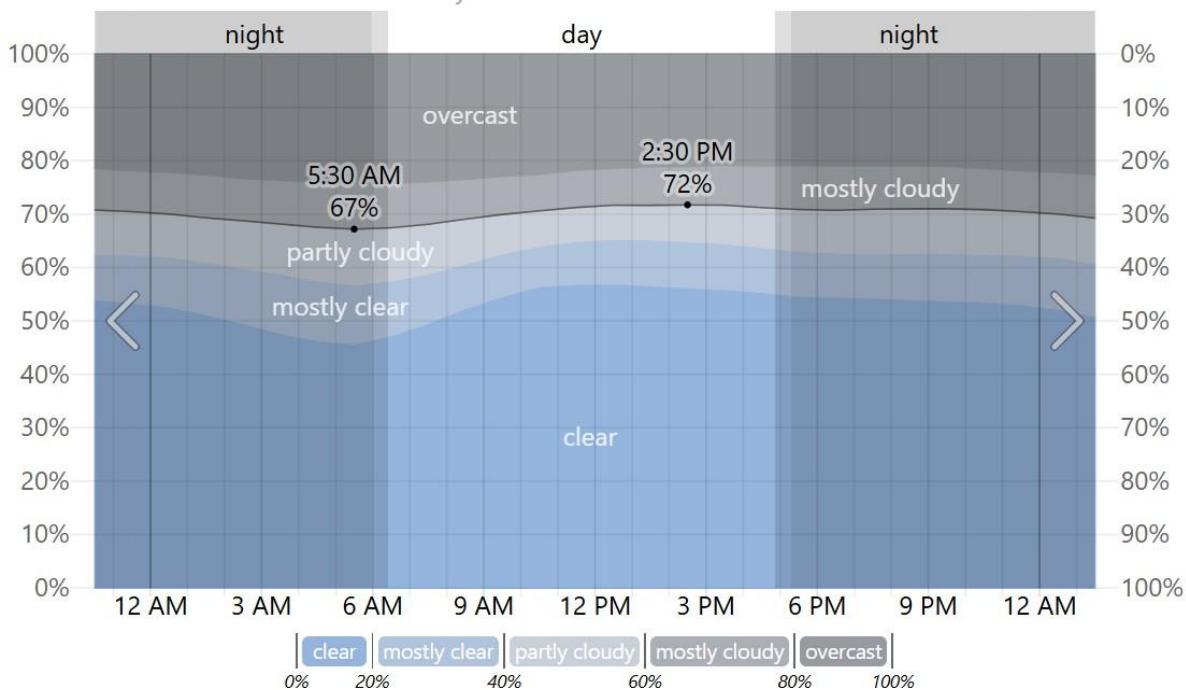
Results will be displayed at each event.



11. Weather and climate conditions

The greater Los Angeles area has a Mediterranean Climate, with winter rainfall and very warm dry summers. Humidity every day is less than 10%. The Palmdale – Santa Clarita latitude is 34.4 degrees north, and the sun angle at noon on November 12 is 38 degrees. There is a 70% likelihood of clear or partly cloudy conditions. The sunshine and humidity make it important for competitors to hydrate well.

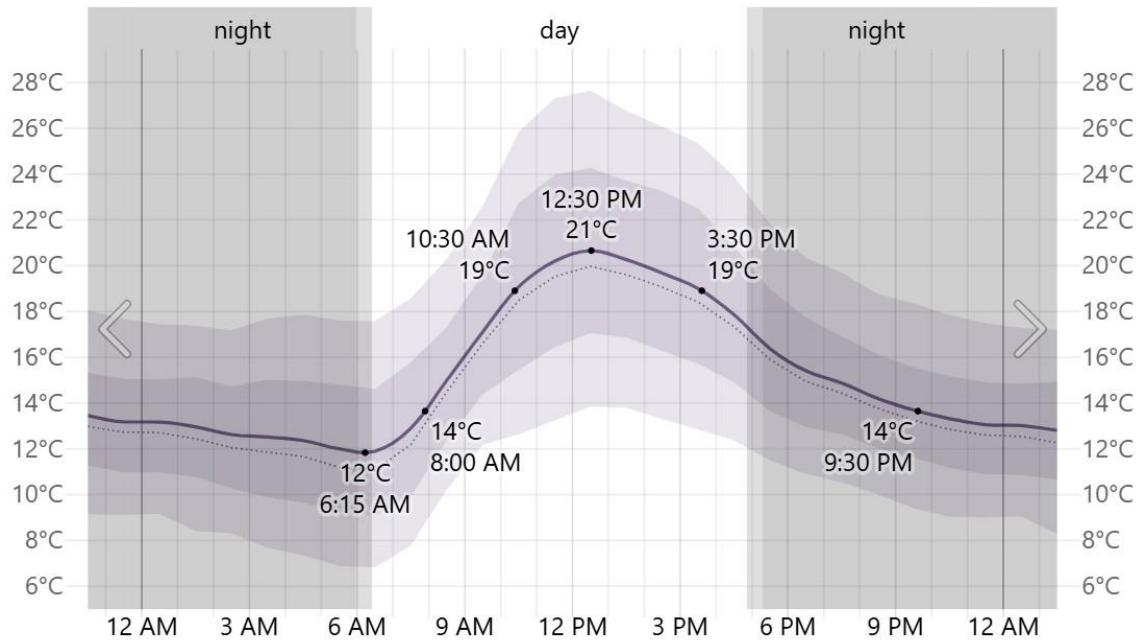
Cloud cover and lighting for Santa Clarita, CA: November 12 ([© WeatherSpark.com](https://www.weatherspark.com))



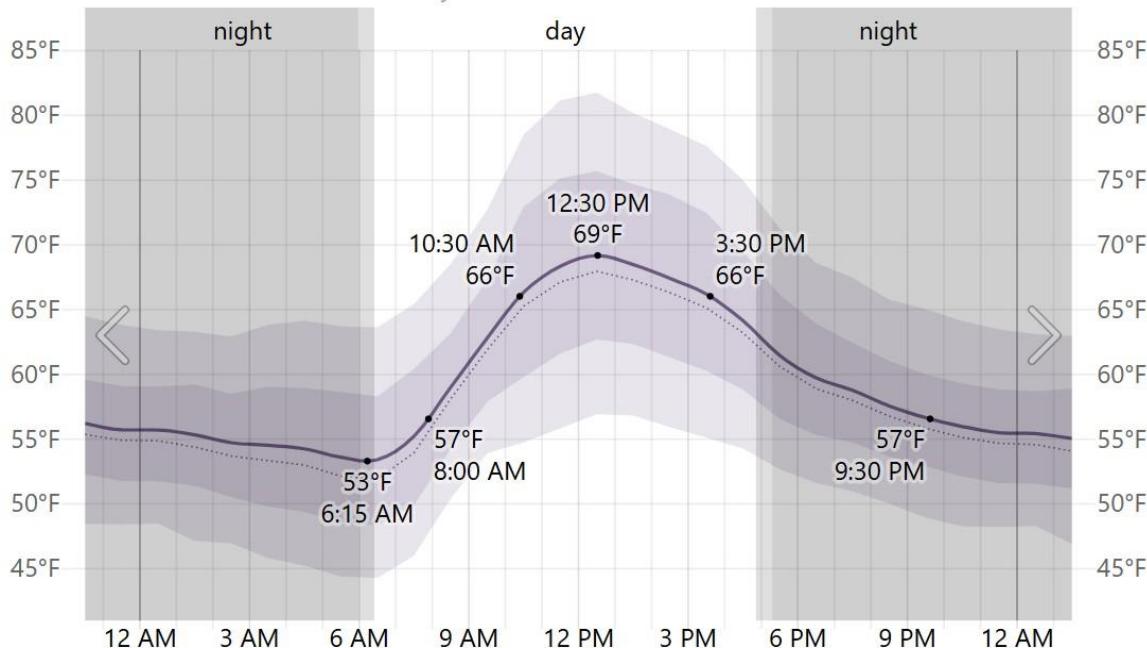
The percentage of time spent in each cloud cover band, categorized by the percentage of the sky covered by clouds. Civil twilight and night are indicated by shaded overlays.



Average temperatures and lighting for Santa Clarita, CA: November 12 ([© WeatherSpark.com](https://www.weatherspark.com))



The hourly average temperature (purple line), with 25th to 75th and 10th to 90th percentile bands. The thin dotted line is the hourly average perceived temperature. Civil twilight and night are indicated by shaded overlays.



The hourly average temperature (purple line), with 25th to 75th and 10th to 90th percentile bands. The thin dotted line is the hourly average perceived temperature. Civil twilight and night are indicated by shaded overlays.

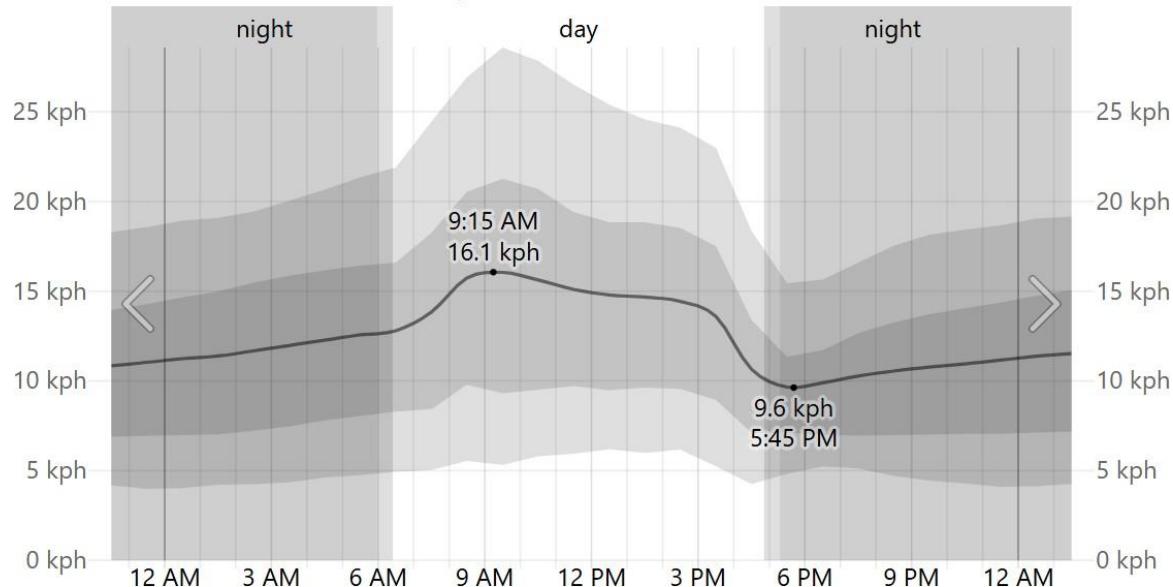


Average weather Santa Clarita, CA – November 12

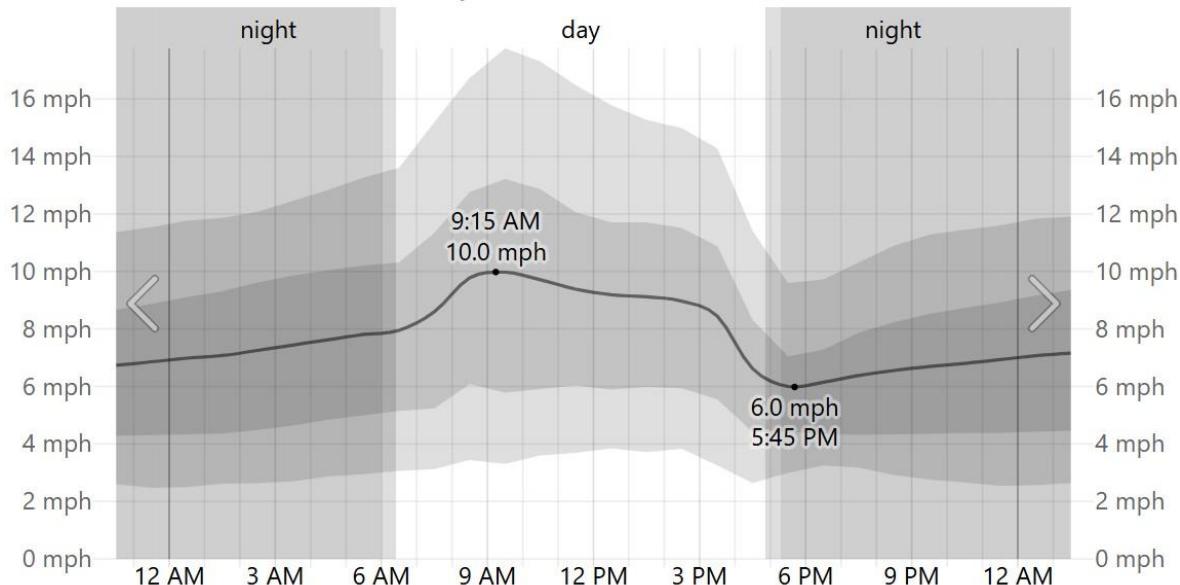
Average high temperature:	69°F	20.6°C
Average low temperature:	53°F	11.7°C
Average precipitation:	0.05 inch/day	1.3 mm/day
Daily precipitation likelihood and type:	9 %, light rain	9 %, light rain
Highest average max temperature:	82°F	27.8°C
Lowest average min temperature:	44°F	6.7°C



Average wind speed for Santa Clarita, CA: November 12 ([© WeatherSpark.com](https://www.weatherspark.com))



The average of mean hourly wind speeds (dark gray line), with 25th to 75th and 10th to 90th percentile bands. Civil twilight and night are indicated by shaded overlays.



The average of mean hourly wind speeds (dark gray line), with 25th to 75th and 10th to 90th percentile bands. Civil twilight and night are indicated by shaded overlays.



12. Lighting

At Santa Clarita	Friday, November 12	Saturday, November 13
Civil twilight* starts	5:57 am	5:58 am
Sunrise	6:24 am	6:25 am
Sunset	4:51 pm	4:51 pm
Civil twilight* ends	5:18 pm	5:17 pm
Day length (hours:minute)	10:27	10:25

* the sun is 6° below the horizon; maps can be read without lighting assistance

Because of short days, expect events to start early in the day.



13. Training Possibilities and Related Events

Date	Event	Type	Location	Contact / comment
November 6-8, 2026	2026 Golden State Orienteering Championships	TrailO plus Sprint, Middle, Long footO	Central California	www.terraloco.com Mappers, Course Setters and terrain type may be different from WTOC 2027 This event is tentative
November 6-8, 2027	2027 Golden State Orienteering Championships	TrailO, potential WRE In conjunction with Sprint, Middle, Long footO	Lake Isabella, California	www.terraloco.com Mappers and Course Setters are different from WTOC 2027 This event is tentative
November 8-11, 2027		Visit on your own schedule	Devil's Punchbowl	This area is an example of Vasquez Rocks terrain
November 8-11, 2027		Visit on your own schedule	Saddleback Butte	This area is an example of desert terrain and Joshua trees
November 8-11, 2027		Visit on your own schedule	Indian Museum	This area is an example of desert rocky terrain



14. Rules

The World Trail Orienteering Championships 2027 will follow the COMPETITION RULES FOR INTERNATIONAL ORIENTEERING FEDERATION (IOF) TRAIL ORIENTEERING EVENTS (Rules for the World Trail Orienteering Championships).

The IOF Rules are available for download from the Rules section in the official IOF website at <https://orienteering.sport/trailo/competition-rules/>

Orienteering USA Rules of Competition, Section D “Rules for Trail Orienteering Events” will be used for USA National Ranking events.

The Orienteering USA Rules of Competition may be found in the OUSA website at <https://orienteeringusa.org/about/rules/>

Anti-doping

Please refer to the IOF anti-doping rules at <https://orienteering.sport/iof/anti-doping/>

Indemnity

All participants will be required to sign a release of liability.

Insurance

Participants are expected to provide their own medical insurance.



15. Contacts

Web site www.WTOC2027.com
Email info@WTOC2027.com
Telephone +1 775 691 6384

Organizers:	National Controller:	Clare Durand (LAOC)
	Director:	Gavin Wyatt-Mair (BAOC)
	Registrars:	Alan and Jen Perez (LAOC)
	Infrastructure:	Jay Hann (BAOC, Western Race Services)
	Results:	Rich Hoesly (LAOC)
	Volunteers:	Recinda Sherman (LAOC)
	Mapping:	Clare Durand (Run Wild Navigation Sports)
	Mapping:	Rex Winterbottom (BAOC, TerraLoco)
	Mapping:	Bill Cusworth (Nav-X)
	Course Design:	Mika Latva-Kokko (NEOC)
	Course Design:	Mike Poulsen (CROC)
	Treasurer:	Karen Murphy (LAOC)
	IOF Senior Event Advisor:	Libor Forst (Czechia)
	IOF Assistant Event Advisor:	Leif Eriksson (Sweden)



16. Glossary

WTOC	World Trail Orienteering Championships
IOF	International Orienteering Federation
NRE	National Ranking Event (applies to the United States only)
OUSA	Orienteering USA
PreO	Precision Trail Orienteering
TempO	Timed (Speed) Trail Orienteering
USA	United States of America
WRE	World Ranking Event



17. Appendix: Sample list of activities in the Los Angeles area

Amusement Parks / Entertainment:

[Disneyland](#)

[Knott's Berry Farm](#)

[Magic Mountain](#)

[Universal Studios Hollywood](#)

[San Diego SeaWorld](#)

Natural Parks:

[Griffith Park](#)

[Sequoia and Kings Canyon National Park](#)

[Death Valley National Park](#)

[Yosemite National Park](#)





18. Appendix: Transportation and accommodation information

California visitors guide: <http://www.visitcalifornia.com/visitors-guide-request>

Free guidebook and map: <http://www.visitcalifornia.com/visitors-guide-request>

Representative air fares: At 2025's rates a round-trip flight from Europe to Los Angeles, CA is about \$1200, and 14 hours nonstop. www.expedia.com

Forest Service: <https://www.fs.usda.gov/main/lrbmu/home>

Trip Advisor map and guide: <https://www.tripadvisor.com/LocalMaps>

Guidebooks: Fodor and Lonely Planet among others have guidebooks on California. Some guides can be downloaded to book readers like Kindle for convenient carrying.

Amtrak train service: <https://www.amtrak.com/find-train-bus-stations-train-routes>

Metrolink light rail service: <https://metrolinktrains.com/>