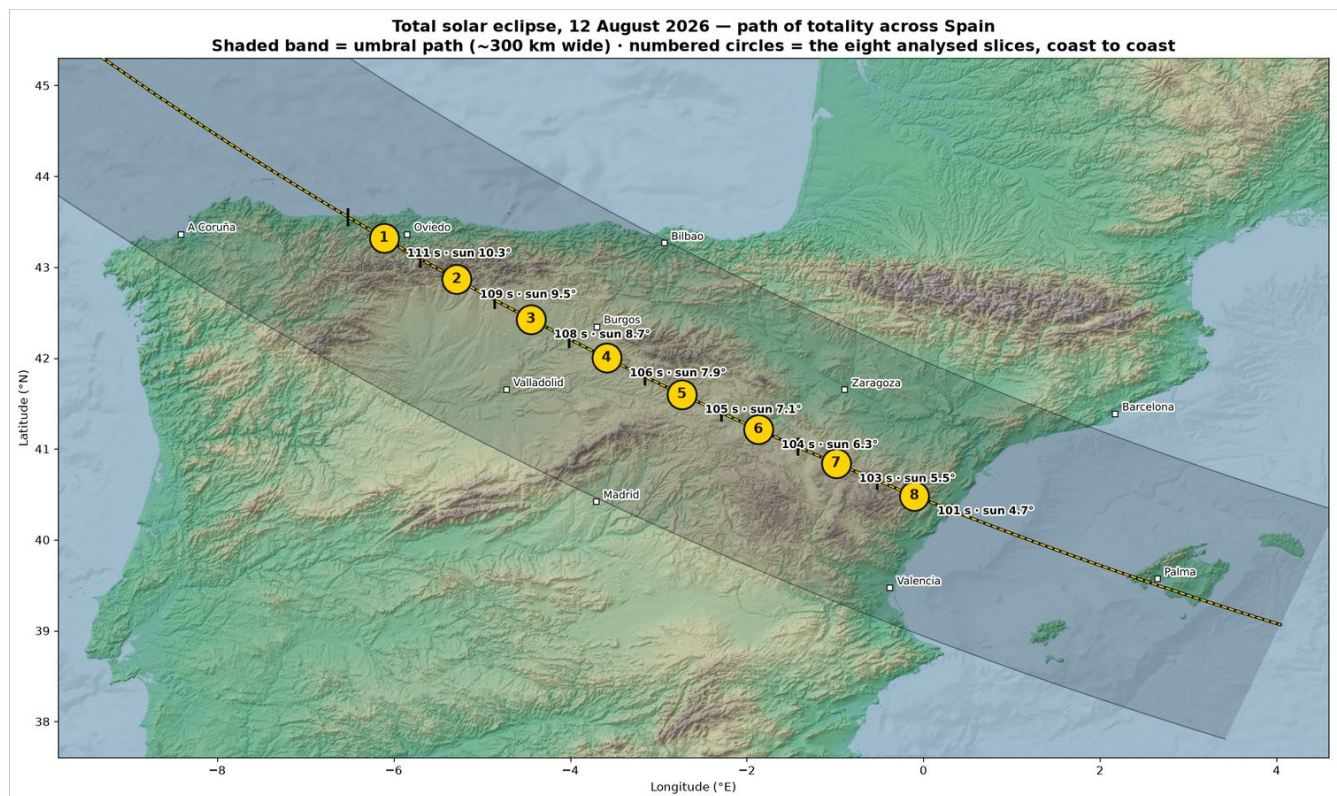


Eight slices of the path of totality, ranked for where to stand

The umbra crosses mainland Spain in about six minutes, from the Asturias coast to the Ebro delta — **676 km** of centreline in a band **~300 km wide**. The sun is low the whole way and gets lower eastward, so terrain decides everything. **93 sites** were individually verified against 5 m LiDAR and tree-canopy heights. Everything is in this one page.

Jump to slice [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [Climate](#) [On the day](#) [Burgos deep dive](#) [Method](#)



The umbral path and the eight slices. Madrid and Barcelona sit outside the band; Oviedo, Burgos and Zaragoza are inside it. Totality falls from 111 s at the Atlantic coast to 101 s at the Mediterranean, and the sun drops from 10.3° to 4.7° over the same stretch.

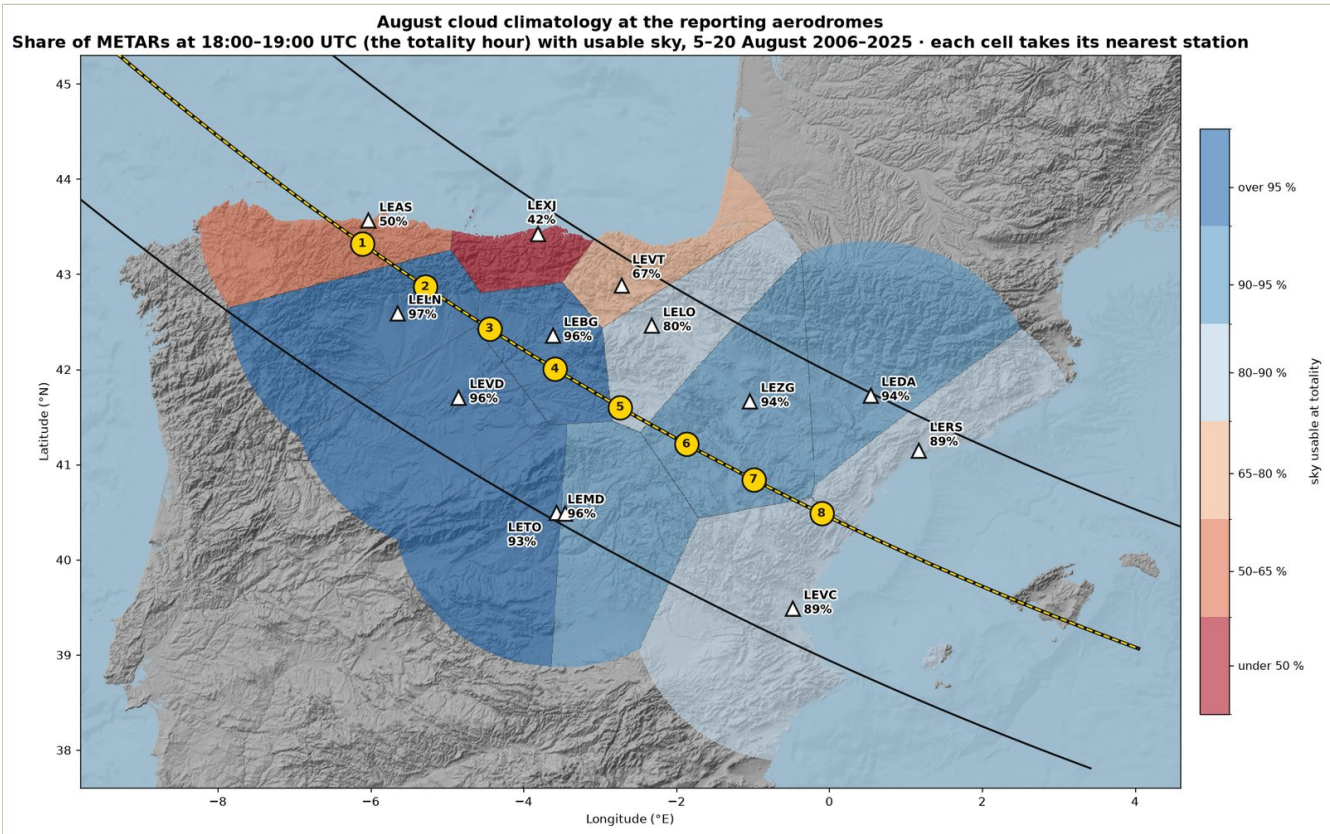
Go west for altitude, east for weather. Slice 1 on the Asturias coast has the longest totality (111 s) and the highest sun (10.3°) — but the Cantabrian coast in August is the cloudiest part of the route. By slice 8 the sun is only 4.7° up, low enough that an ordinary treeline or a 60 m hill four kilometres away ends your eclipse, though the climate is far more reliable. Slices 3 to 5 across the Castilian páramo are the compromise: 105–108 s, sun 7–9°, wide horizons and generally clear August skies.

Everywhere on this path the sun sets while still eclipsed or immediately after. Look west-northwest — azimuth 281° at the Atlantic end swinging to 285° at the Mediterranean. And because Spain is near the end of the track, the umbra runs almost due south at over 4,000 km/h: the shadow arrives from your right as you face the sun.

Where August evenings are actually clear

[↑ contents](#)

Twenty years of the aerodromes' own METARs, counted in the hour totality falls.



Each cell takes the record of its nearest reporting station, so the map shows observation catchments rather than a smooth field — and no cell extends beyond 180 km from its station. Share of METARs at 18:00–19:00 UTC, 5–20 August, 2006–2025, where the sky was clear, few or scattered rather than broken or overcast.

Geometry and climate point in opposite directions. Slice 1 has the longest totality and the highest sun, and **Asturias is clouded out half the time** (Santander, 58 %). Over the mountains onto the meseta it flips — Burgos 96 %, León 97 %, Zaragoza 94 %. Nine extra seconds of totality roughly doubles the chance of seeing nothing.

For the Salinillas plan: the nearest stations are Vitoria at 30 km (67 %) and Logroño at 45 km (80 %) — the upper Ebro still catches Cantabrian cloud. Burgos, nearest both Lerma and Alto de Merendilla, is 96 %. The drive south-west buys better odds as well as more totality.

► Full numbers for all thirteen stations

On the day — live observations and forecasts

[↑ contents](#)

Climatology chooses the region. These choose the spot, in the last 48 hours.

What to watch, and when. T-10 to T-3 days: ECMWF and AEMET medium-range — treat as a regional steer only. **T-30 hours:** the first TAFs covering eclipse evening appear, on the 11th. These are real aviation forecasts of cloud base and amount, and they are the best worded guidance you will get. **T-6 hours and inside:** stop reading forecasts and watch **Meteosat rapid-scan imagery**, refreshed every five minutes, plus the hourly METARs below. That is how the 2024 Texas chasers made their final moves. With totality at 20:28–20:32 local, August convection over the meseta is normally decaying by then.

Every aerodrome within 150 km of the centreline. All fifteen file hourly METARs and issue TAFs, including Castellón and Teruel, which sit closest to the path in slices 7–8.

AERODROME	LIVE OBSERVATIONS & FORECAST
LEAS · Asturias Ranón · 25 km off centre	METAR TAF Windy Yr
LELN · León La Virgen del Camino · 43 km off centre	METAR TAF Windy Yr
LEBG · Burgos Burgos · 32 km off centre	METAR TAF Windy Yr
LEVD · Valladolid Valladolid · 85 km off centre	METAR TAF Windy Yr
LEXJ · Seve Ballesteros-Santander Santander · 120 km off centre	METAR TAF Windy Yr
LEVT · Vitoria Alava · 121 km off centre	METAR TAF Windy Yr
LELO · Logroño-Agoncillo Logroño · 99 km off centre	METAR TAF Windy Yr
LEZG · Zaragoza Zaragoza · 78 km off centre	METAR TAF Windy Yr
LETL · Teruel Teruel · 51 km off centre	METAR TAF Windy Yr
LECH · Castellón-Costa Azahar Castellón de la Plana · 20 km off centre	METAR TAF Windy Yr
LEVC · Valencia Valencia · 114 km off centre	METAR TAF Windy Yr
LEERS · Reus Reus · 115 km off centre	METAR TAF Windy Yr
LEDA · Lleida-Alguaire Lleida · 147 km off centre	METAR TAF Windy Yr
LEMD · Adolfo Suárez Madrid-Barajas Madrid · 142 km off centre	METAR TAF Windy Yr
LETO · Madrid-Torrejón Madrid · 137 km off centre	METAR TAF Windy Yr

SATELLITE NOWCAST

Cloud, as it is now

The only tool that matters in the final hours.
Rapid-scan covers Europe every five minutes.

[EUMETView](#) [AEMET satellite](#) [Sat24 Spain](#)

[Zoom Earth](#)

MODEL FORECASTS

Days out

Prefer high-resolution models near the day:
AROME and ICON-D2 resolve afternoon convection that global models smear.

[Windy \(ECMWF/AROME\)](#), [AEMET forecast](#)

[Ventusky](#)

ECLIPSE-SPECIFIC

Chaser resources

Cloud climatology and prospects written for this particular eclipse, by people who do this for a living.

[Eclipsophile 2026](#) [NASA path data](#)

[Xavier Jubier map](#)

Contents

West to east. Every slice is a full section further down this page — nothing links out.

1 Asturias / Asturias 111 s totality · sun 10.3° · 13 viable sites Best: Roadside nr. Quirós (94)	2 Asturias / Asturias → Palencia 109 s totality · sun 9.5° · 12 viable sites Best: Roadside nr. Cangas de Onís (94)	3 Palencia → Burgos 108 s totality · sun 8.7° · 10 viable sites Best: Redondilla (91)
4 Burgos → Soria 106 s totality · sun 7.9° · 13 viable sites Best: Alto de Merendilla (96)	5 Soria 105 s totality · sun 7.1° · 7 viable sites Best: El Ardal (96)	6 Soria → Teruel 104 s totality · sun 6.3° · 8 viable sites Best: Cerro de Santa Cruz (95)
7 Teruel	8 Teruel → Castelló / Castellón	★ Salinillas / Lerma deep dive

103 s totality · sun 5.5° · 10 viable sites Best: Roadside nr. Cuevas de Almudén (95)	101 s totality · sun 4.7° · 10 viable sites Best: Roadside nr. Fortanete (95)	Straddles slices 3–5 · 33 candidates · your specific points Best: Alto de Merendilla (96)
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At a glance

SLICE	TOTALITY	SUN ALT	AZIMUTH	MAX (CEST)	BEST SITE	RATING
Slice 1 — Asturias / Asturias	111 s	10.3°	281°	20:28	Roadside nr. Quirós 43.1881, -5.9248 · Park at the spot (road)	EXCELLENT 94
Slice 2 — Asturias / Asturias → Palencia	109 s	9.5°	281°	20:28	Roadside nr. Cangas de Onís 43.2755, -5.0025 · Park at the spot (road)	EXCELLENT 94
Slice 3 — Palencia → Burgos	108 s	8.7°	282°	20:29	Redondilla 42.6498, -4.2402 · Short walk 188 m (track)	EXCELLENT 91
Slice 4 — Burgos → Soria	106 s	7.9°	283°	20:29	Alto de Merendilla 41.9847, -3.4125 · Park at the spot (track)	EXCELLENT 96
Slice 5 — Soria	105 s	7.1°	283°	20:30	El Ardal 41.7616, -3.1288 · Park at the spot (track)	EXCELLENT 96
Slice 6 — Soria → Teruel	104 s	6.3°	284°	20:30	Cerro de Santa Cruz 41.1142, -1.5656 · Park at the spot (track)	EXCELLENT 95
Slice 7 — Teruel	103 s	5.5°	285°	20:31	Roadside nr. Cuevas de Almudén 40.7692, -0.8030 · Park at the spot (road)	EXCELLENT 95
Slice 8 — Teruel → Castelló / Castellón	101 s	4.7°	285°	20:31	Roadside nr. Fortanete 40.5432, -0.5240 · Park at the spot (road)	EXCELLENT 95

1

Asturias / Asturias

↑ contents

43.55,-6.52 → 43.09,-5.69 · 85 km of centreline · maximum at 20:28:07 CEST

TOTALITY	SUN ALTITUDE	AZIMUTH	VIABLE SITES	BEST SCORE
111 s on the centreline	10.3° at maximum	281° where to look – WNW	13 of 14 verified	94 Roadside nr. Quirós

BEST OVERALL · 94

Roadside nr. Quirós

EXCELLENT 94 / 100

Coordinates

43.1881, -5.9248

Elevation

1753 m

Access

Park at the spot (road)

Totality

109 s · 20:27:24–20:29:13

Clearance

+10.8°

Sun visible to

+0.2°

imagery

[Google sat](#) [Bing](#) [PNOA photo](#) [Street View](#) [Maps](#)

weather

[Windy](#) [Yr](#) [Ventusky](#)

RUNNER-UP · 93

Pico Cima

EXCELLENT 93 / 100

Coordinates

43.4345, -5.5921

Elevation

733 m

Access

Park at the spot (track)

Totality

105 s · 20:26:58–20:28:43

Clearance

+10.6°

Sun visible to

+0.1°

imagery

[Google sat](#) [Bing](#) [PNOA photo](#) [Street View](#) [Maps](#)

weather

[Windy](#) [Yr](#) [Ventusky](#)



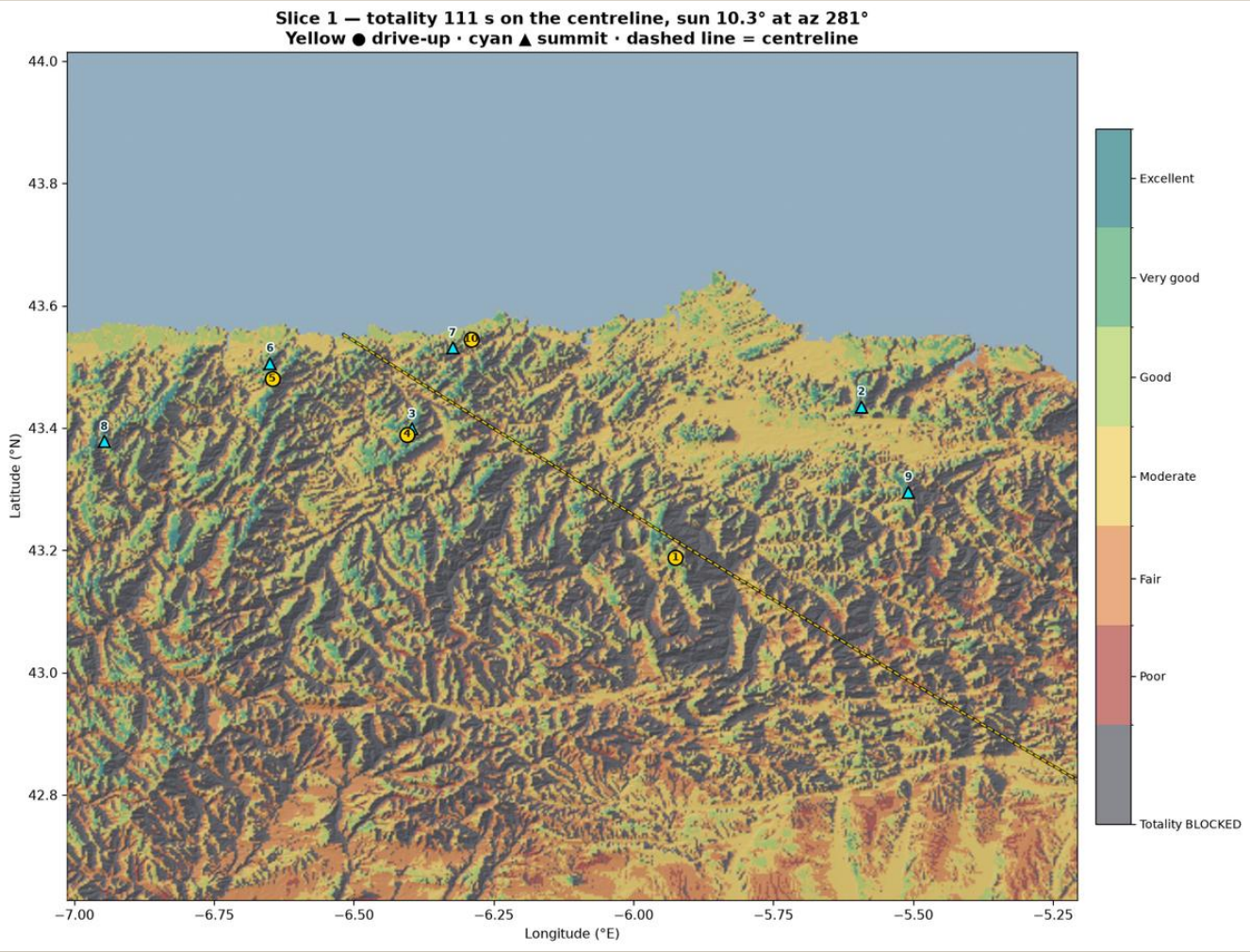
PNOA orthophoto · 420 m across · crosshair = the exact coordinates

Clearance = degrees between sun and skyline at totality. Sun visible to = altitude where the sun is finally lost; negative means you keep it into the sunset.

SITE	ACCESS	CLEARANCE	SUN VISIBLE TO	TOTALITY	AUG SKY (ERA5)	SKYLINE SET BY	RATING
Roadside nr. Quirós 43.1881, -5.9248 · 1753 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road	+10.8°	+0.2°	109 s	42% clear 25% · ovc 58%	TERRAIN grassland · 0 % trees	EXCELLENT 94
Pico Cima 43.4345, -5.5921 · 733 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (TRACK)	+10.6°	+0.1°	105 s	55% clear 30% · ovc 45%	TERRAIN tree cover · 78 % trees	EXCELLENT 93
Pico Gallo 43.3980, -6.3957 · 1014 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK 96 M AWAY (ROAD)	+10.9°	+0.6°	110 s	53% clear 32% · ovc 47%	TERRAIN grassland · 36 % trees	EXCELLENT 92

SITE	ACCESS	CLEARANCE	SUN VISIBLE TO	TOTALITY	AUG SKY (ERA5)	SKYLINE SET BY	RATING
Roadside nr. Tineo 43.3897, -6.4045 · 935 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road, asphalt	+10.6°	+0.6°	109 s	53% clear 31% · ovc 47%	TERRAIN grassland · 25 % trees	EXCELLENT 92 
Roadside nr. Brañúas 43.4806, -6.6461 · 720 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road, asphalt	+11.8°	+0.8°	110 s	56% clear 34% · ovc 44%	TERRAIN grassland · 30 % trees	EXCELLENT 91 
Pico Rebordiabuéis 43.5057, -6.6496 · 628 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK 113 M AWAY (ROAD)	+11.8°	+0.8°	110 s	59% clear 35% · ovc 41%	TERRAIN tree cover · 61 % trees	EXCELLENT 90 
Pico Cabornín 43.5311, -6.3236 · 535 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	SHORT WALK 160 M (TRACK)	+11.5°	+0.6°	109 s	54% clear 30% · ovc 46%	TERRAIN tree cover · 87 % trees	VERY GOOD 90 
Pico el Filso 43.3777, -6.9463 · 1188 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (TRACK)	+11.9°	+1.0°	107 s	58% clear 32% · ovc 42%	TERRAIN shrubland · 47 % trees	VERY GOOD 89 
Pico de los Pozos de Llaviegu 43.2952, -5.5080 · 1195 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	WALK 509 M (TRACK)	+11.5°	-0.0°	106 s	44% clear 26% · ovc 56%	TERRAIN grassland · 21 % trees	VERY GOOD 82 
Roadside nr. Resiellas 43.5453, -6.2905 · 332 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road	+4.1°	+5.5°	109 s	54% clear 30% · ovc 46%	TREES grassland · 85 % trees	GOOD 78 
Penedo Penouta 43.4400, -6.8376 · 809 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK 48 M AWAY (TRACK)	+6.3°	+4.3°	109 s	54% clear 33% · ovc 46%	TREES tree cover · 28 % trees	GOOD 78 
Roadside nr. Brañadesella 43.4167, -6.8700 · 799 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road, asphalt	+10.2°	+3.6°	108 s	54% clear 33% · ovc 46%	TERRAIN grassland · 70 % trees	GOOD 78 

SITE	ACCESS	CLEARANCE	SUN VISIBLE TO	TOTALITY	AUG SKY (ERA5)	SKYLINE SET BY	RATING
Roadside nr. A Mesa 43.2261, -6.8106 · 1038 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road, asphalt	+8.8°	+3.1°	106 s	70% clear 41% · ovc 30%	TERRAIN grassland · 13 % trees	GOOD 77
FAILED VERIFICATION							
Roadside nr. Castropol 43.3858, -6.9452 · 970 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road, asphalt	+1.8°	+8.0°	108 s	58% clear 32% · ovc 42%	TERRAIN shrubland · 14 % trees	BLOCKED 0



Coarse screening layer (30 m terrain). Grey = totality hidden behind terrain, blue = sea, dashed yellow = centreline. Markers are the sites in the table above — yellow circles drive-up, cyan triangles summits.

2

Asturias / Asturias → Palencia

1 contents

43.09,-5.69 → 42.64,-4.85 · 85 km of centreline · maximum at 20:28:44 CEST

TOTALITY	SUN ALTITUDE	AZIMUTH	VIABLE SITES	BEST SCORE
109 s	9.5°	281°	12	94
on the centreline	at maximum	where to look - WNW	of 15 verified	

BEST OVERALL · 94

Roadside nr. Cangas de Onís

EXCELLENT 94 / 100

Coordinates

43.2755, -5.0025

Elevation

1082 m

Access

Park at the spot (road)

Totality

101 s · 20:27:10–20:28:51

Clearance

+9.2°

Sun visible to

-0.4°



PNOA orthophoto · 420 m across · crosshair = the exact coordinates

imagery

[Google sat](#) [Bing](#) [PNOA photo](#) [Street View](#) [Maps](#)

weather

[Windy](#) [Yr](#) [Ventusky](#)

RUNNER-UP · 94

Alto de la Huerta

EXCELLENT 94 / 100

Coordinates

42.8547, -4.9010

Elevation

1667 m

Access

Park at the spot (track)

Totality

106 s · 20:27:48–20:29:35

Clearance

+9.1°

Sun visible to

-0.1°



PNOA orthophoto · 420 m across · crosshair = the exact coordinates

imagery

[Google sat](#) [Bing](#) [PNOA photo](#) [Street View](#) [Maps](#)

weather

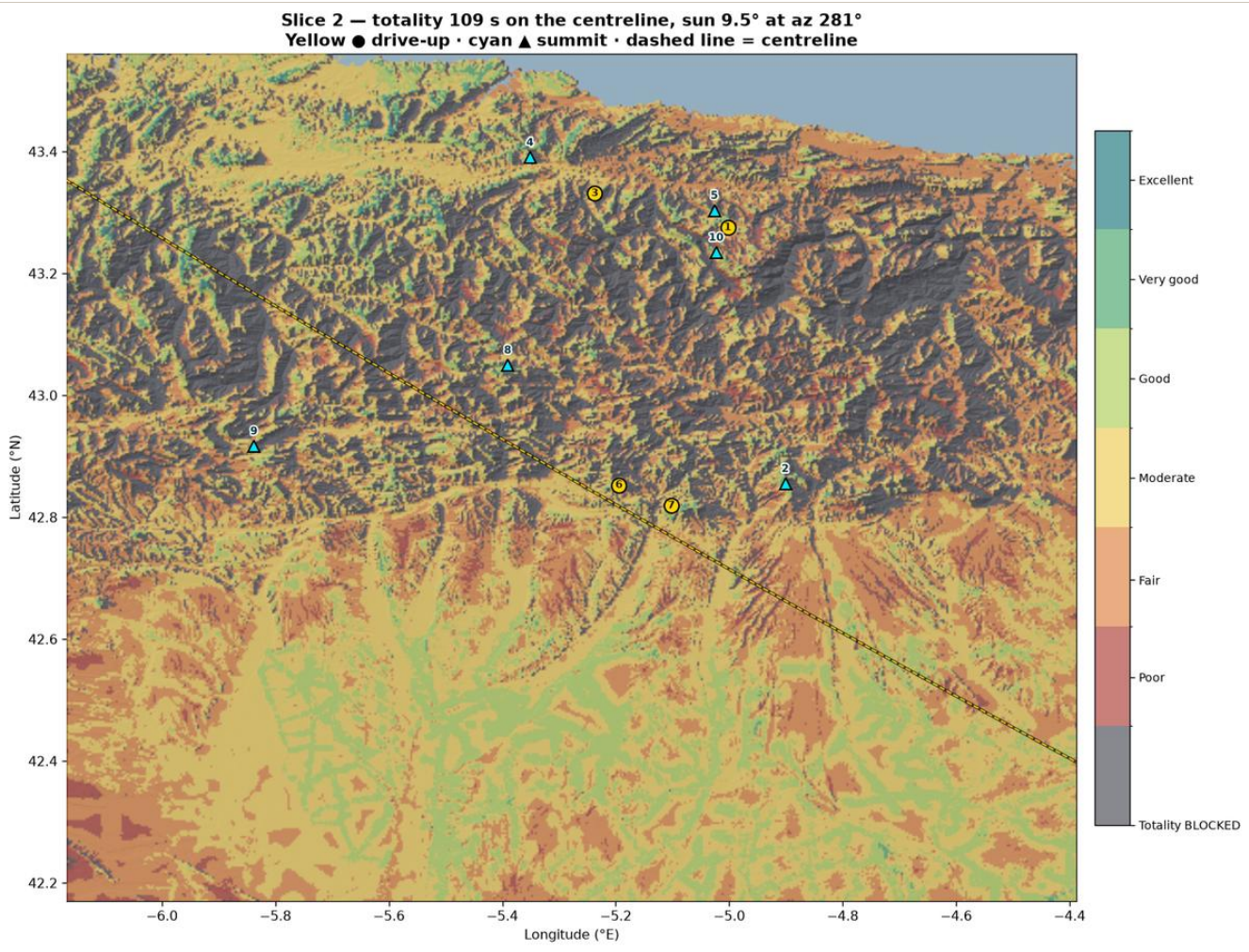
[Windy](#) [Yr](#) [Ventusky](#)

Clearance = degrees between sun and skyline at totality. Sun visible to = altitude where the sun is finally lost; negative means you keep it into the sunset.

SITE	ACCESS	CLEARANCE	SUN VISIBLE TO	TOTALITY	AUG SKY (ERA5)	SKYLINE SET BY	RATING
Roadside nr. Cangas de Onís 43.2755, -5.0025 · 1082 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road, asphalt	+9.2°	-0.4°	101 s	39% clear 23% · ovc 61%	TREES grassland · 17 % trees	EXCELLENT 94
Alto de la Huerta 42.8547, -4.9010 · 1667 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (TRACK)	+9.1°	-0.1°	106 s	88% clear 62% · ovc 12%	TERRAIN tree cover · 36 % trees	EXCELLENT 94

SITE	ACCESS	CLEARANCE	SUN VISIBLE TO	TOTALITY	AUG SKY (ERA5)	SKYLINE SET BY	RATING
Roadside nr. La Frecha 43.3316, -5.2368 · 505 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road	+10.2°	+0.2°	103 s	45% clear 27% · ovc 55%	TERRAIN tree cover · 93 % trees	EXCELLENT 92
Pico Viyao 43.3901, -5.3510 · 572 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	SHORT WALK 191 M (TRACK)	+9.8°	-0.1°	104 s	51% clear 30% · ovc 49%	TERRAIN grassland · 24 % trees	EXCELLENT 90
Cabeza Severa 43.3032, -5.0261 · 773 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	SHORT WALK 295 M (TRACK)	+10.0°	-0.4°	101 s	39% clear 22% · ovc 61%	TERRAIN grassland · 73 % trees	VERY GOOD 88
Roadside nr. Sabero 42.8529, -5.1942 · 1592 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road	+7.8°	+1.6°	108 s	91% clear 66% · ovc 9%	TERRAIN grassland · 36 % trees	VERY GOOD 85
Roadside nr. Cistierna 42.8193, -5.1021 · 1287 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road	+8.9°	+1.7°	107 s	90% clear 64% · ovc 10%	TREES tree cover · 94 % trees	VERY GOOD 85
Pico Tonoio 43.0493, -5.3903 · 2091 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	WALK 605 M (TRACK)	+10.8°	-0.2°	107 s	67% clear 32% · ovc 33%	TERRAIN grassland · 1 % trees	GOOD 82
Meloita 42.9164, -5.8376 · 1829 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	WALK 665 M (ROAD)	+10.1°	+0.5°	108 s	70% clear 36% · ovc 30%	TERRAIN grassland · 3 % trees	GOOD 76
Pico Armada 43.2342, -5.0227 · 1663 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	LONG WALK 1.2 KM (ROAD)	+10.8°	-0.4°	102 s	43% clear 25% · ovc 57%	TERRAIN grassland · 14 % trees	GOOD 75

SITE	ACCESS	CLEARANCE	SUN VISIBLE TO	TOTALITY	AUG SKY (ERA5)	SKYLINE SET BY	RATING
Roadside nr. Gradefes 42.5954, -5.3093 · 952 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road	+6.1°	+3.8°	106 s	91% clear 71% · ovc 9%	TREES grassland · 6 % trees	MODERATE 68
Roadside nr. Valdefresno 42.5787, -5.5339 · 919 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road	+3.2°	+6.4°	105 s	91% clear 71% · ovc 9%	TERRAIN built-up · 10 % trees	MODERATE 66
FAILED VERIFICATION							
Pico Coalnegro 43.1205, -5.5114 · 1199 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	SHORT WALK 363 M (TRACK)	+0.1°	+9.8°	108 s	60% clear 28% · ovc 40%	TERRAIN tree cover · 84 % trees	BLOCKED 0
Roadside nr. Anayo 43.4090, -5.3303 · 514 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road	-3.6°	+10.3°	103 s	51% clear 30% · ovc 49%	TREES tree cover · 80 % trees	BLOCKED 0
Roadside nr. La Mata de Monteagudo 42.8274, -5.0563 · 1293 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road	+1.3°	+8.1°	107 s	90% clear 64% · ovc 10%	TERRAIN grassland · 78 % trees	BLOCKED 0



Coarse screening layer (30 m terrain). Grey = totality hidden behind terrain, blue = sea, dashed yellow = centreline. Markers are the sites in the table above — yellow circles drive-up, cyan triangles summits.

3

Palencia → Burgos

↑ contents

42.64,-4.85 → 42.21,-4.01 · 85 km of centreline · maximum at 20:29:18 CEST

TOTALITY	SUN ALTITUDE	AZIMUTH	VIABLE SITES	BEST SCORE
108 s	8.7°	282°	10	91
on the centreline	at maximum	where to look - WNW	of 10 verified	Redondilla

BEST OVERALL · 91

Redondilla

EXCELLENT 91 / 100

Coordinates

42.6498, -4.2402

Elevation

1152 m

Access

Short walk 188 m (track)

Totality

104 s · 20:28:02–20:29:46

Clearance

+8.9°

Sun visible to

-0.1°



PNOA orthophoto · 420 m across · crosshair = the exact coordinates

imagery [Google sat](#) [Bing](#) [PNOA photo](#)

[Street View](#) [Maps](#)

weather [Windy](#) [Yr](#) [Ventusky](#)

BEST DRIVE-UP · 89

Roadside nr. Pedrosa del Príncipe

VERY GOOD 89 / 100

Coordinates

42.2309, -4.2004

Elevation

891 m

Access

Park at the spot (road)

Totality

106 s · 20:28:42–20:30:28

Clearance

+8.7°

Sun visible to

-0.2°



PNOA orthophoto · 420 m across · crosshair = the exact coordinates

imagery [Google sat](#) [Bing](#) [PNOA photo](#)

[Street View](#) [Maps](#)

weather [Windy](#) [Yr](#) [Ventusky](#)

RUNNER-UP · 89

Roadside nr. Pomar de Valdivia

VERY GOOD 89 / 100

Coordinates

42.7738, -4.1194

Elevation

1151 m

Access

Park at the spot (road)

Totality

100 s · 20:27:50–20:29:31

Clearance

+8.1°

Sun visible to

+0.5°



PNOA orthophoto · 420 m across · crosshair = the exact coordinates

imagery [Google sat](#) [Bing](#) [PNOA photo](#)

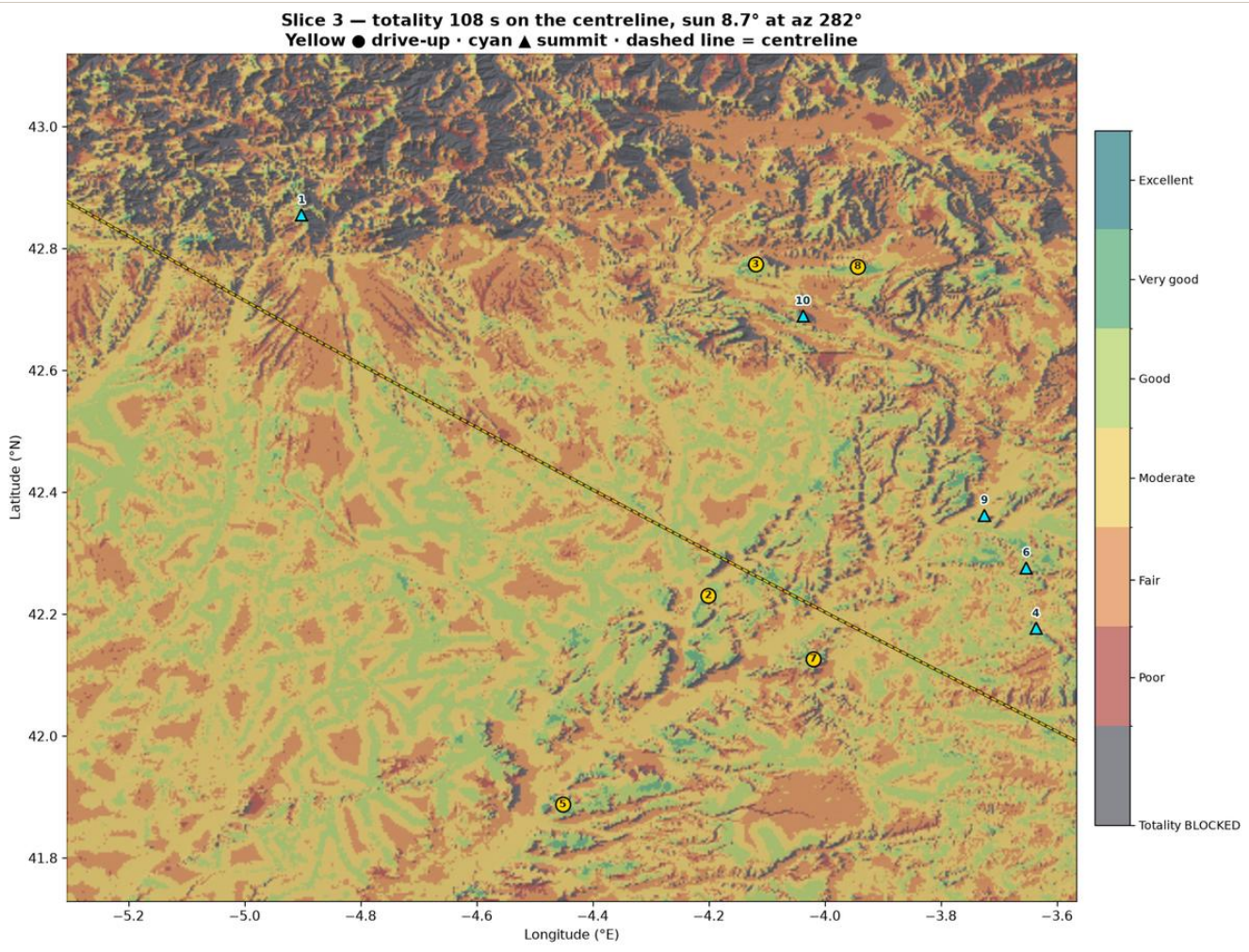
[Street View](#) [Maps](#)

weather [Windy](#) [Yr](#) [Ventusky](#)

Clearance = degrees between sun and skyline at totality. Sun visible to = altitude where the sun is finally lost; negative means you keep it into the sunset.

SITE	ACCESS	CLEARANCE	SUN VISIBLE TO	TOTALITY	AUG SKY (ERA5)	SKYLINE SET BY	RATING
Redondilla 42.6498, -4.2402 · 1152 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	SHORT WALK 188 M (TRACK)	+8.9°	-0.1°	104 s	83% clear 54% · ovc 17%	TERRAIN shrubland · 4 % trees	EXCELLENT 91
Roadside nr. Pedrosa del Príncipe 42.2309, -4.2004 · 891 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road, asphalt	+8.7°	-0.2°	106 s	91% clear 65% · ovc 9%	TERRAIN built-up · 32 % trees	VERY GOOD 89
Roadside nr. Pomar de Valdivia 42.7738, -4.1194 · 1151 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road, asphalt	+8.1°	+0.5°	100 s	75% clear 47% · ovc 25%	TERRAIN grassland · 15 % trees	VERY GOOD 89

SITE	ACCESS	CLEARANCE	SUN VISIBLE TO	TOTALITY	AUG SKY (ERA5)	SKYLINE SET BY	RATING
Roadside nr. Pedrosa del Príncipe 42.2238, -4.2015 · 908 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road, asphalt	+8.6°	-0.2°	106 s	91% clear 65% · ovc 9%	TERRAIN cropland · 2 % trees	VERY GOOD 89
Roadside nr. Quintana del Puente 42.1108, -4.2123 · 897 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road, asphalt	+8.5°	+0.0°	105 s	—	TERRAIN grassland · 8 % trees	VERY GOOD 88
Roadside nr. Tariego de Cerrato 41.8877, -4.4514 · 870 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road, asphalt	+8.6°	+0.1°	100 s	92% clear 69% · ovc 8%	TERRAIN built-up · 17 % trees	VERY GOOD 88
Roadside nr. Polientes 42.7708, -3.9430 · 1065 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road, asphalt	+7.6°	+1.6°	98 s	75% clear 45% · ovc 25%	TERRAIN grassland · 41 % trees	VERY GOOD 82
La Rasa 42.6892, -4.0374 · 1158 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	WALK 593 M (TRACK)	+8.4°	-0.1°	101 s	78% clear 48% · ovc 22%	TERRAIN cropland · 0 % trees	GOOD 79
Pico Cornón 43.0486, -4.3893 · 2122 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	WALK 405 M (ROAD)	+9.6°	+0.4°	97 s	56% clear 27% · ovc 44%	TERRAIN grassland · 8 % trees	GOOD 78
Peña Otero 42.7646, -3.7044 · 1199 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (TRACK)	+5.4°	+3.0°	94 s	74% clear 48% · ovc 26%	TERRAIN grassland · 0 % trees	GOOD 73



Coarse screening layer (30 m terrain). Grey = totality hidden behind terrain, blue = sea, dashed yellow = centreline. Markers are the sites in the table above — yellow circles drive-up, cyan triangles summits.

4

Burgos → Soria

↑ contents

42.21,-4.01 → 41.80,-3.16 · 85 km of centreline · maximum at 20:29:50 CEST

TOTALITY	SUN ALTITUDE	AZIMUTH	VIABLE SITES	BEST SCORE
106 s	7.9°	283°	13	96
on the centreline	at maximum	where to look - WNW	of 13 verified	Alto de Merendilla

BEST OVERALL · 96

Alto de Merendilla

EXCELLENT 96 / 100

Coordinates

41.9847, -3.4125

Elevation

1297 m

Access

Park at the spot (track)

Totality

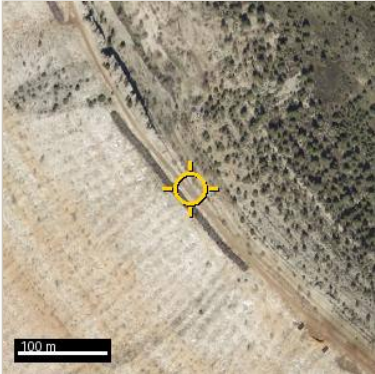
105 s · 20:28:57–20:30:41

Clearance

+8.6°

Sun visible to

-0.8°



PNOA orthophoto · 420 m across · crosshair = the exact coordinates

imagery

[Google sat](#) [Bing](#) [PNOA photo](#)

[Street View](#) [Maps](#)

weather

[Windy](#) [Yr](#) [Ventusky](#)

BEST DRIVE-UP · 96

Roadside nr. Santo Domingo de Silos

EXCELLENT 96 / 100

Coordinates

41.9886, -3.4173

Elevation

1264 m

Access

Park at the spot (road)

Totality

105 s · 20:28:56–20:30:41

Clearance

+8.5°

Sun visible to

-0.8°



PNOA orthophoto · 420 m across · crosshair = the exact coordinates

imagery

[Google sat](#) [Bing](#) [PNOA photo](#)

[Street View](#) [Maps](#)

weather

[Windy](#) [Yr](#) [Ventusky](#)

RUNNER-UP · 93

Roadside nr. Aldeanueva de la Serrezuela

EXCELLENT 93 / 100

Coordinates

41.4442, -3.7733

Elevation

1306 m

Access

Park at the spot (road)

Totality

96 s · 20:29:58–20:31:34

Clearance

+8.3°

Sun visible to

-0.6°



PNOA orthophoto · 420 m across · crosshair = the exact coordinates

imagery

[Google sat](#) [Bing](#) [PNOA photo](#)

[Street View](#) [Maps](#)

weather

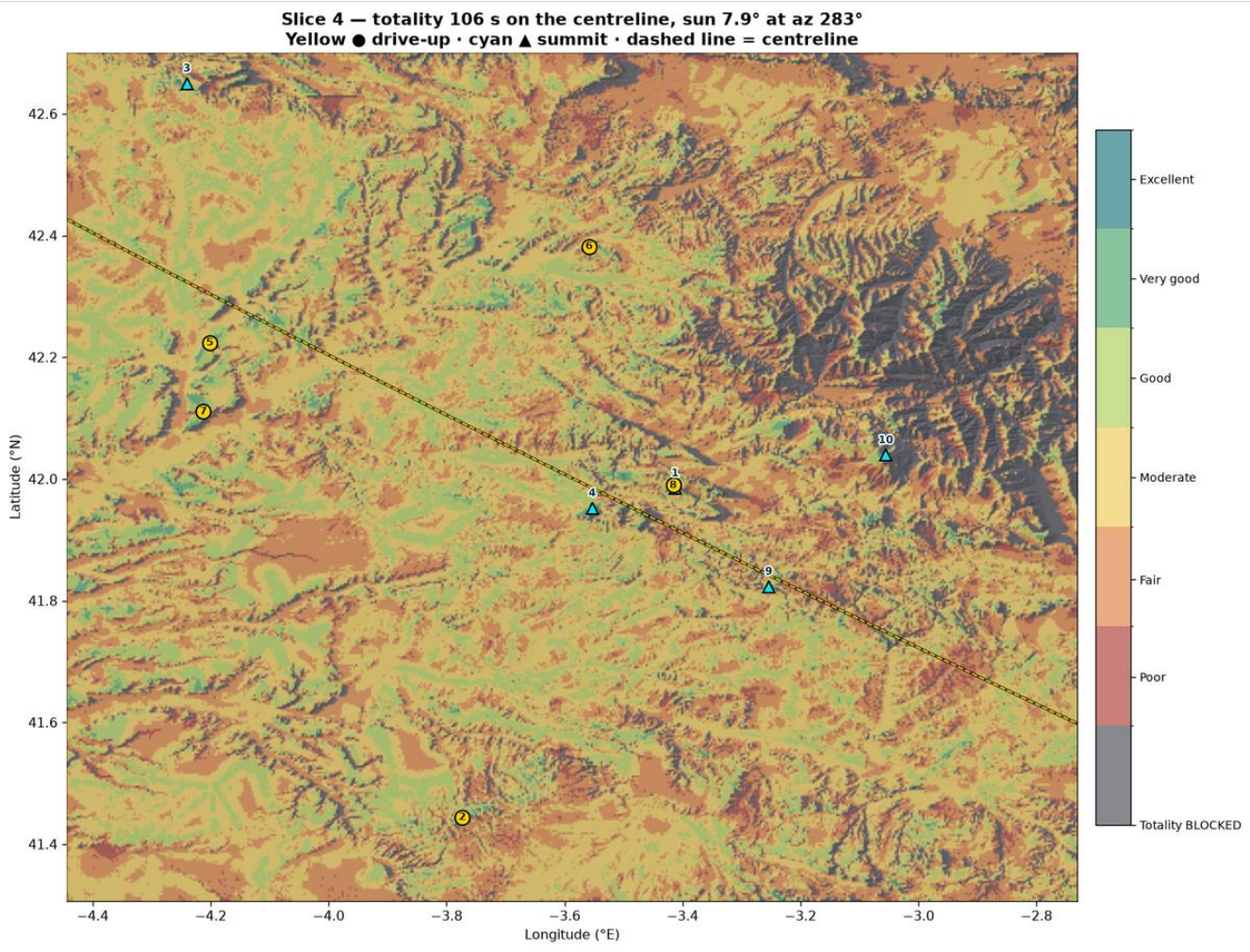
[Windy](#) [Yr](#) [Ventusky](#)

Clearance = degrees between sun and skyline at totality. Sun visible to = altitude where the sun is finally lost; negative means you keep it into the sunset.

SITE	ACCESS	CLEARANCE	SUN VISIBLE TO	TOTALITY	AUG SKY (ERA5)	SKYLINE SET BY	RATING
Alto de Merendilla 41.9847, -3.4125 · 1297 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (TRACK)	+8.6°	-0.8°	105 s	90% clear 68% · ovc 10%	TERRAIN shrubland · 38 % trees	EXCELLENT 96
Roadside nr. Santo Domingo de Silos 41.9886, -3.4173 · 1264 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road, fine gravel	+8.5°	-0.8°	105 s	90% clear 68% · ovc 10%	TERRAIN shrubland · 80 % trees	EXCELLENT 96
Roadside nr. Aldeanueva de la Serrezuela 41.4442, -3.7733 · 1306 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road, asphalt	+8.3°	-0.6°	96 s	93% clear 68% · ovc 7%	TERRAIN grassland · 33 % trees	EXCELLENT 93

SITE	ACCESS	CLEARANCE	SUN VISIBLE TO	TOTALITY	AUG SKY (ERA5)	SKYLINE SET BY	RATING
El Cueto 41.9520, -3.5529 · 1222 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	SHORT WALK 273 M (TRACK)	+8.5°	-0.7°	105 s	91% clear 68% · ovc 9%	TERRAIN shrubland · 63 % trees	EXCELLENT 91
Castillo de San Asenjo 41.8268, -3.2393 · 1248 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK 52 M AWAY (TRACK)	+6.9°	+0.7°	105 s	90% clear 67% · ovc 10%	TERRAIN grassland · 50 % trees	VERY GOOD 90
Grandal 42.1767, -3.6360 · 1040 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK 42 M AWAY (TRACK)	+8.4°	-0.3°	105 s	88% clear 65% · ovc 12%	TERRAIN tree cover · 63 % trees	VERY GOOD 89
Roadside nr. Cardeñuela Riopico 42.3822, -3.5583 · 1009 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (TRACK) minor road	+8.3°	-0.1°	102 s	83% clear 58% · ovc 17%	TERRAIN grassland · 1 % trees	VERY GOOD 88
El Pico 41.8231, -3.2536 · 1227 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	WALK 453 M (ROAD)	+8.2°	-0.5°	105 s	90% clear 67% · ovc 10%	TERRAIN shrubland · 32 % trees	VERY GOOD 85
Campiña 42.0390, -3.0550 · 2047 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	WALK 432 M (TRACK)	+9.2°	-1.6°	102 s	86% clear 59% · ovc 14%	TERRAIN grassland · 0 % trees	VERY GOOD 85
Altotero de Modúbar 42.2762, -3.6525 · 1012 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	SHORT WALK 215 M (TRACK)	+8.4°	-0.3°	104 s	88% clear 66% · ovc 12%	TERRAIN tree cover · 43 % trees	VERY GOOD 84
Roadside nr. Santa María del Campo 42.1265, -4.0196 · 912 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road, asphalt	+7.6°	+0.6°	106 s	89% clear 66% · ovc 11%	TREES cropland · 2 % trees	VERY GOOD 84

SITE	ACCESS	CLEARANCE	SUN VISIBLE TO	TOTALITY	AUG SKY (ERA5)	SKYLINE SET BY	RATING
Cerro de la Galga 42.3622, -3.7245 · 944 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK 42 M AWAY (TRACK)	+7.4°	+0.8°	104 s	89% clear 64% · ovc 11%	TERRAIN cropland · 0 % trees	GOOD 81
Las Cabezas 41.9277, -3.0938 · 1309 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	SHORT WALK 336 M (TRACK)	+6.9°	+2.3°	104 s	88% clear 61% · ovc 12%	TERRAIN tree cover · 100 % trees	MODERATE 72



Coarse screening layer (30 m terrain). Grey = totality hidden behind terrain, blue = sea, dashed yellow = centreline. Markers are the sites in the table above — yellow circles drive-up, cyan triangles summits.

5

Soria

↑ contents

41.80,-3.16 → 41.40,-2.29 · 85 km of centreline · maximum at 20:30:17 CEST

TOTALITY

105 s

on the centreline

SUN ALTITUDE

7.1°

at maximum

AZIMUTH

283°

where to look - WNW

VIABLE SITES

7

of 10 verified

BEST SCORE

96

El Ardal

BEST OVERALL · 96

El Ardal

EXCELLENT 96 / 100

Coordinates

41.7616, -3.1288

Elevation

1215 m

Access

Park at the spot (track)

Totality

104 s · 20:29:15–20:30:59

Clearance

+8.0°

Sun visible to

-0.5°



PNOA orthophoto · 420 m across · crosshair = the exact coordinates

imagery [Google sat](#) [Bing](#) [PNOA photo](#)

[Street View](#) [Maps](#)

weather [Windy](#) [Yr](#) [Ventusky](#)

BEST DRIVE-UP · 74

Roadside nr. Soria

GOOD 74 / 100

Coordinates

41.8864, -3.0137

Elevation

1329 m

Access

Park at the spot (road)

Totality

104 s · 20:29:02–20:30:45

Clearance

+4.5°

Sun visible to

+3.3°



PNOA orthophoto · 420 m across · crosshair = the exact coordinates

imagery [Google sat](#) [Bing](#) [PNOA photo](#)

[Street View](#) [Maps](#)

weather [Windy](#) [Yr](#) [Ventusky](#)

RUNNER-UP · 94

San Cristóbal

EXCELLENT 94 / 100

Coordinates

41.8171, -3.0765

Elevation

1287 m

Access

Park at the spot (track)

Totality

104 s · 20:29:09–20:30:53

Clearance

+7.3°

Sun visible to

-0.2°



PNOA orthophoto · 420 m across · crosshair = the exact coordinates

imagery [Google sat](#) [Bing](#) [PNOA photo](#)

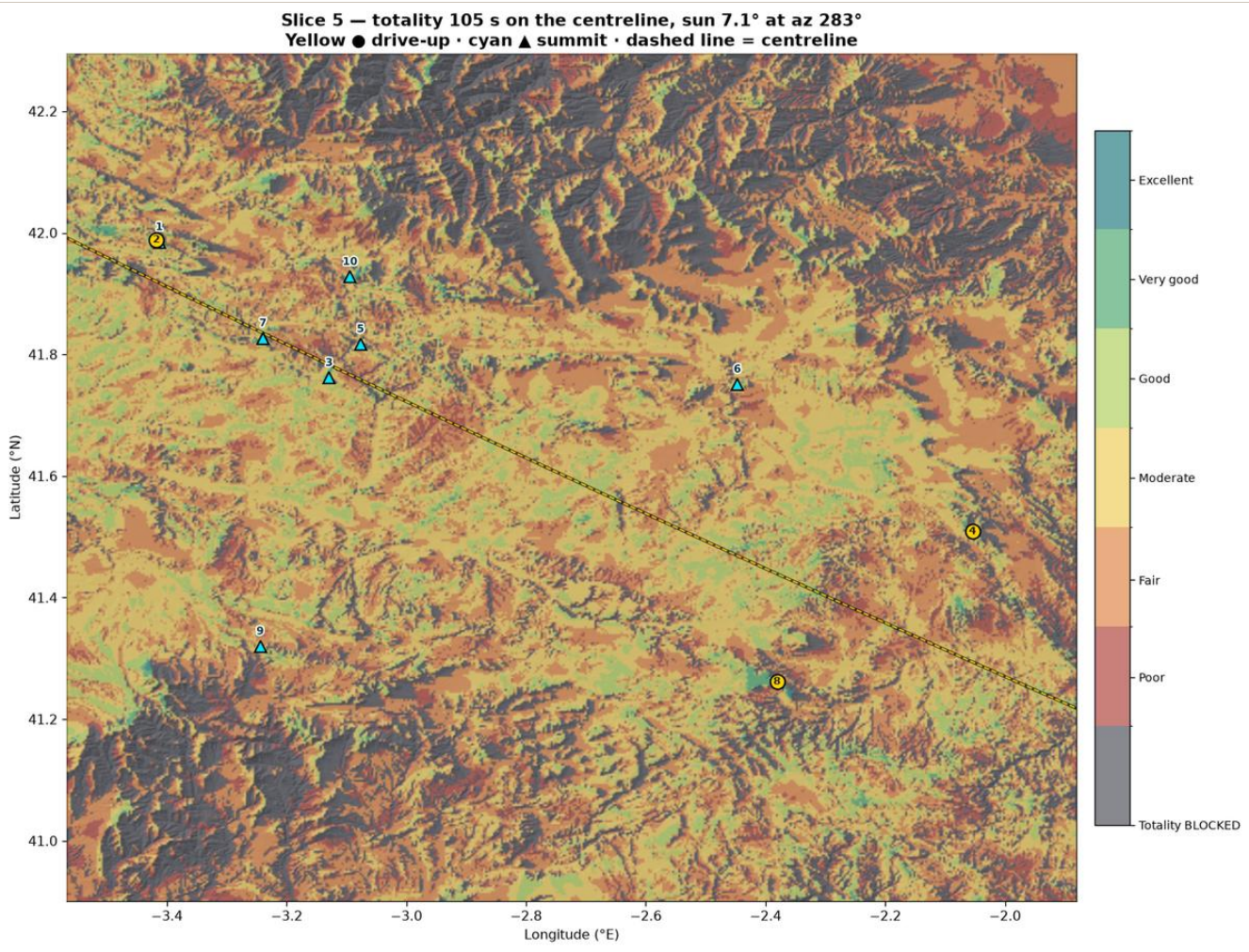
[Street View](#) [Maps](#)

weather [Windy](#) [Yr](#) [Ventusky](#)

Clearance = degrees between sun and skyline at totality. Sun visible to = altitude where the sun is finally lost; negative means you keep it into the sunset.

SITE	ACCESS	CLEARANCE	SUN VISIBLE TO	TOTALITY	AUG SKY (ERA5)	SKYLINE SET BY	RATING
El Ardal 41.7616, -3.1288 · 1215 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (TRACK)	+8.0°	-0.5°	104 s	90% clear 67% · ovc 10%	TERRAIN grassland · 17 % trees	EXCELLENT 96
San Cristóbal 41.8171, -3.0765 · 1287 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (TRACK)	+7.3°	-0.2°	104 s	90% clear 66% · ovc 10%	TERRAIN grassland · 75 % trees	EXCELLENT 94
Santa Ana 41.7509, -2.4469 · 1264 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD)	+6.8°	+0.1°	101 s	89% clear 61% · ovc 11%	TERRAIN tree cover · 56 % trees	EXCELLENT 92

SITE	ACCESS	CLEARANCE	SUN VISIBLE TO	TOTALITY	AUG SKY (ERA5)	SKYLINE SET BY	RATING
Pico de Grado 41.3199, -3.2440 · 1516 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	WALK 404 M (TRACK)	+8.1°	-0.6°	99 s	91% clear 62% · ovc 9%	TERRAIN grassland · 19 % trees	VERY GOOD 84
Alto del Santo 41.7395, -2.5182 · 1295 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	LONG WALK 0.8 KM (TRACK)	+7.1°	-0.0°	102 s	89% clear 61% · ovc 11%	TERRAIN grassland · 90 % trees	GOOD 75
Roadside nr. Soria 41.8864, -3.0137 · 1329 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road, asphalt	+4.5°	+3.3°	104 s	87% clear 61% · ovc 13%	TREES tree cover · 98 % trees	GOOD 74
Morra del Castillo 41.7659, -3.1333 · 1210 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	SHORT WALK 212 M (TRACK)	+4.5°	+3.0°	104 s	90% clear 67% · ovc 10%	TERRAIN grassland · 3 % trees	MODERATE 70
FAILED VERIFICATION							
Roadside nr. Gormaz 41.4920, -3.0096 · 1013 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road, asphalt	-6.7°	+8.3°	103 s	90% clear 63% · ovc 10%	TREES grassland · 12 % trees	BLOCKED 0
Roadside nr. Riaza 41.2912, -3.4312 · 1466 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road, asphalt	+1.3°	+0.8°	96 s	90% clear 66% · ovc 10%	TREES tree cover · 99 % trees	BLOCKED 0
Roadside nr. Soria 41.8995, -2.9334 · 1366 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road	-3.7°	+8.3°	103 s	86% clear 59% · ovc 14%	TREES tree cover · 100 % trees	BLOCKED 0



Coarse screening layer (30 m terrain). Grey = totality hidden behind terrain, blue = sea, dashed yellow = centreline. Markers are the sites in the table above — yellow circles drive-up, cyan triangles summits.

6

Soria → Teruel

↑ contents

41.40,-2.29 → 41.02,-1.42 · 85 km of centreline · maximum at 20:30:42 CEST

TOTALITY	SUN ALTITUDE	AZIMUTH	VIABLE SITES	BEST SCORE
104 s	6.3°	284°	8	95
on the centreline	at maximum	where to look - WNW	of 9 verified	Cerro de Santa Cruz

BEST OVERALL · 95

Cerro de Santa Cruz

EXCELLENT 95 / 100

Coordinates41.1142, -1.5656

Elevation1413 m

AccessPark at the spot (track)

Totality102 s · 20:29:56–20:31:38

Clearance+6.8°

Sun visible to-0.9°



PNOA orthophoto · 420 m across · crosshair = the exact coordinates

imagery [Google sat](#) [Bing](#) [PNOA photo](#)

[Street View](#) [Maps](#)

weather [Windy](#) [Yr](#) [Ventusky](#)

BEST DRIVE-UP · 95

Roadside nr. Deza

EXCELLENT 95 / 100

Coordinates41.5074, -2.0547

Elevation1285 m

AccessPark at the spot (road)

Totality102 s · 20:29:26–20:31:07

Clearance+7.0°

Sun visible to-0.4°



PNOA orthophoto · 420 m across · crosshair = the exact coordinates

imagery [Google sat](#) [Bing](#) [PNOA photo](#)

[Street View](#) [Maps](#)

weather [Windy](#) [Yr](#) [Ventusky](#)

RUNNER-UP · 94

Roadside nr. Sediles

EXCELLENT 94 / 100

Coordinates41.3748, -1.4962

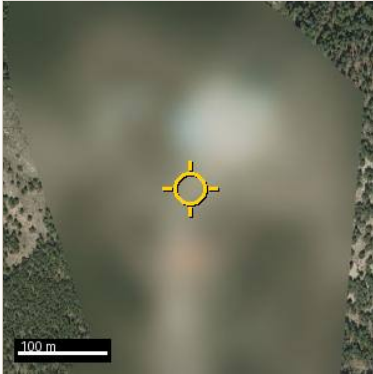
Elevation1409 m

AccessPark at the spot (road)

Totality99 s · 20:29:31–20:31:11

Clearance+7.0°

Sun visible to-0.6°



PNOA orthophoto · 420 m across · crosshair = the exact coordinates

imagery [Google sat](#) [Bing](#) [PNOA photo](#)

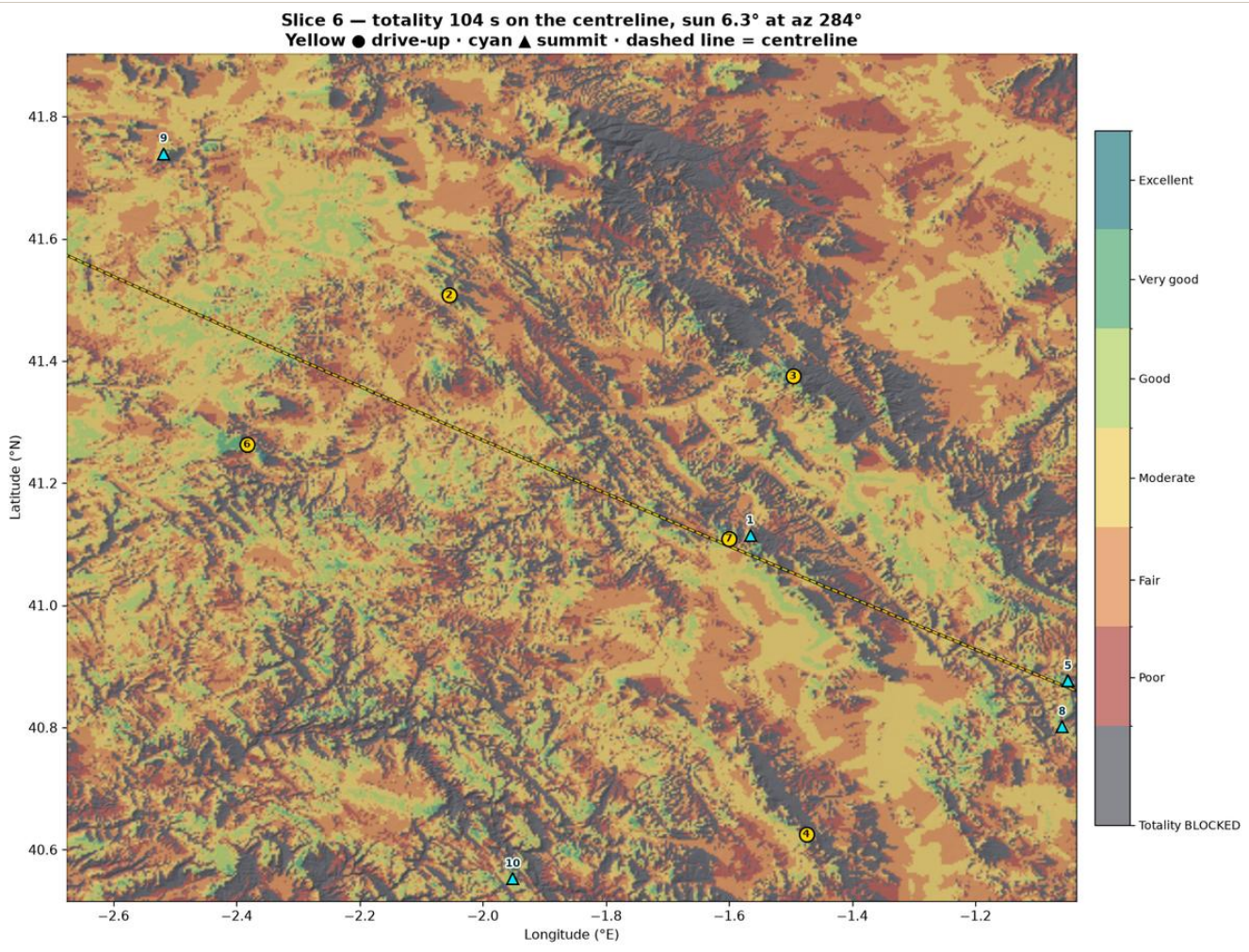
[Street View](#) [Maps](#)

weather [Windy](#) [Yr](#) [Ventusky](#)

Clearance = degrees between sun and skyline at totality. Sun visible to = altitude where the sun is finally lost; negative means you keep it into the sunset.

SITE	ACCESS	CLEARANCE	SUN VISIBLE TO	TOTALITY	AUG SKY (ERA5)	SKYLINE SET BY	RATING
Cerro de Santa Cruz 41.1142, -1.5656 · 1413 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (TRACK)	+6.8°	-0.9°	102 s	91% clear 65% · ovc 9%	TERRAIN grassland · 40 % trees	EXCELLENT 95
Roadside nr. Deza 41.5074, -2.0547 · 1285 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road	+7.0°	-0.4°	102 s	91% clear 65% · ovc 9%	TERRAIN shrubland · 67 % trees	EXCELLENT 95
Roadside nr. Sediles 41.3748, -1.4962 · 1409 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road	+7.0°	-0.6°	99 s	92% clear 68% · ovc 8%	TERRAIN grassland · 75 % trees	EXCELLENT 94

SITE	ACCESS	CLEARANCE	SUN VISIBLE TO	TOTALITY	AUG SKY (ERA5)	SKYLINE SET BY	RATING	
Roadside nr. Sediles 41.3689, -1.4945 · 1365 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road	+6.9°	-0.6°	99 s	92% clear 68% · ovc 8%	TERRAIN grassland · 96 % trees	EXCELLENT 94	
Roadside nr. Almaluez 41.2628, -2.3830 · 1158 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road	+6.1°	+0.6°	103 s	89% clear 61% · ovc 11%	TREES shrubland · 17 % trees	VERY GOOD 89	
Roadside nr. Cubel 41.1087, -1.6002 · 1172 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road	+6.1°	+0.7°	102 s	91% clear 65% · ovc 9%	TREES grassland · 22 % trees	VERY GOOD 89	
Gamonal 40.5524, -1.9511 · 1650 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	SHORT WALK 373 M (TRACK)	+3.5°	+0.8°	92 s	92% clear 65% · ovc 8%	TREES tree cover · 96 % trees	MODERATE 72	
Cerro del Barranco 40.6257, -2.0094 · 1481 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	SHORT WALK 293 M (TRACK)	+5.0°	+2.0°	93 s	93% clear 63% · ovc 7%	TREES tree cover · 98 % trees	MODERATE 72	
FAILED VERIFICATION								
Roadside nr. Ariza 41.3790, -2.0656 · 1030 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road, asphalt	+1.5°	+4.7°	103 s	91% clear 63% · ovc 9%	TREES grassland · 76 % trees	BLOCKED 0	



Coarse screening layer (30 m terrain). Grey = totality hidden behind terrain, blue = sea, dashed yellow = centreline. Markers are the sites in the table above — yellow circles drive-up, cyan triangles summits.

7 Teruel

[↑ contents](#)

41.02,-1.42 → 40.65,-0.52 · 85 km of centreline · maximum at 20:31:03 CEST

TOTALITY	SUN ALTITUDE	AZIMUTH	VIABLE SITES	BEST SCORE
103 s on the centreline	5.5° at maximum	285° where to look - WNW	10 of 11 verified	95 Roadside nr. Cuevas de Alm

BEST OVERALL · 95

Roadside nr. Cuevas de Almudén



Coordinates 40.7692, -0.8030
Elevation 1516 m
Access Park at the spot (road)
Totality 101 s · 20:30:17–20:31:58
Clearance +5.8°
Sun visible to -0.5°



PNOA orthophoto · 420 m across · crosshair = the exact coordinates

imagery [Google sat](#) [Bing](#) [PNOA photo](#) [Street View](#) [Maps](#)
weather [Windy](#) [Yr](#) [Ventusky](#)

RUNNER-UP · 94

Herrera



Coordinates 41.1684, -1.1058
Elevation 1340 m
Access Park at the spot (track)
Totality 99 s · 20:29:45–20:31:24
Clearance +6.6°
Sun visible to -0.7°



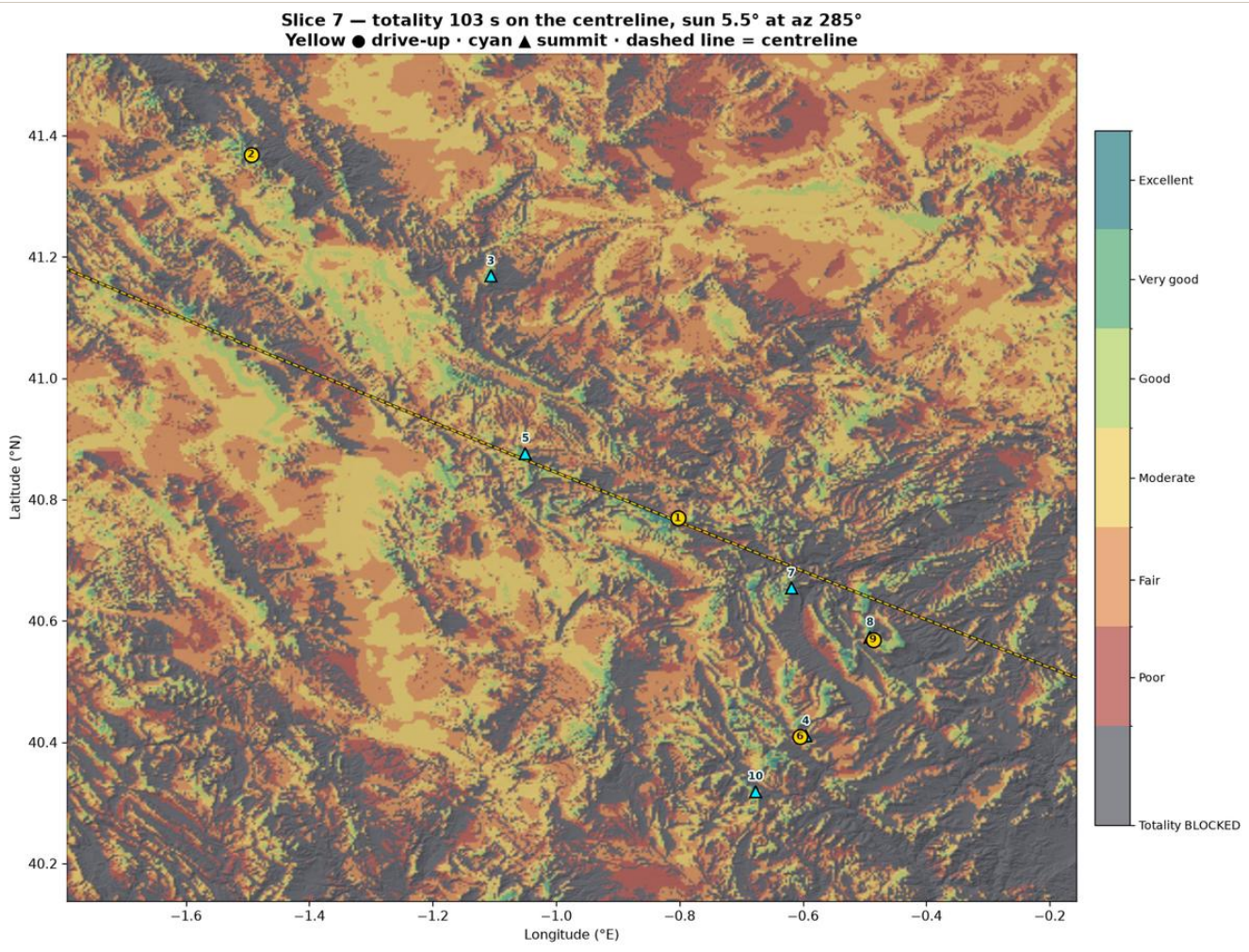
PNOA orthophoto · 420 m across · crosshair = the exact coordinates

imagery [Google sat](#) [Bing](#) [PNOA photo](#) [Street View](#) [Maps](#)
weather [Windy](#) [Yr](#) [Ventusky](#)

Clearance = degrees between sun and skyline at totality. Sun visible to = altitude where the sun is finally lost; negative means you keep it into the sunset.

SITE	ACCESS	CLEARANCE	SUN VISIBLE TO	TOTALITY	AUG SKY (ERA5)	SKYLINE SET BY	RATING
Roadside nr. Cuevas de Almudén 40.7692, -0.8030 · 1516 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) service road, gravel	+5.8°	-0.5°	101 s	92% clear 66% · ovc 8%	TERRAIN grassland · 22 % trees	EXCELLENT 95
Herrera 41.1684, -1.1058 · 1340 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (TRACK)	+6.6°	-0.7°	99 s	92% clear 71% · ovc 8%	TERRAIN built-up · 94 % trees	EXCELLENT 94
Peña Verna 40.4375, -0.7072 · 1750 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK 55 M AWAY (TRACK)	+5.6°	-0.5°	99 s	91% clear 67% · ovc 9%	TERRAIN grassland · 33 % trees	EXCELLENT 94

SITE	ACCESS	CLEARANCE	SUN VISIBLE TO	TOTALITY	AUG SKY (ERA5)	SKYLINE SET BY	RATING
Roadside nr. Ródenas 40.6248, -1.4746 · 1580 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road	+6.1°	-0.5°	98 s	88% clear 61% · ovc 12%	TERRAIN grassland · 74 % trees	EXCELLENT 94
Mas de Teller 40.8762, -1.0495 · 1300 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (TRACK)	+6.1°	-0.3°	101 s	90% clear 68% · ovc 10%	TERRAIN grassland · 0 % trees	EXCELLENT 92
Cabezo de la Corona 40.7810, -0.6499 · 1457 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	SHORT WALK 214 M (TRACK)	+5.7°	-0.6°	100 s	93% clear 67% · ovc 7%	TERRAIN tree cover · 50 % trees	EXCELLENT 91
Alto de San Cristóbal 40.6540, -0.6186 · 1548 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	SHORT WALK 259 M (TRACK)	+5.6°	-0.4°	101 s	94% clear 68% · ovc 6%	TERRAIN grassland · 1 % trees	VERY GOOD 89
Morrón del Manzano 40.8015, -1.0590 · 1341 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	SHORT WALK 372 M (TRACK)	+5.9°	-0.4°	101 s	91% clear 65% · ovc 9%	TERRAIN grassland · 2 % trees	VERY GOOD 84
Alto del Tremedal 40.5176, -1.6521 · 1892 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	WALK 548 M (TRACK)	+5.6°	+1.4°	94 s	89% clear 61% · ovc 11%	TREES tree cover · 100 % trees	MODERATE 69
Roadside nr. Aliaga 40.6532, -0.6801 · 1407 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road, asphalt	+2.5°	+3.1°	101 s	93% clear 67% · ovc 7%	TERRAIN grassland · 1 % trees	MODERATE 64
FAILED VERIFICATION							
Roadside nr. Jiloca 40.9976, -1.1273 · 1425 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road	-31.0°	+6.8°	101 s	92% clear 67% · ovc 8%	TREES tree cover · 94 % trees	BLOCKED 0



Coarse screening layer (30 m terrain). Grey = totality hidden behind terrain, blue = sea, dashed yellow = centreline. Markers are the sites in the table above — yellow circles drive-up, cyan triangles summits.

8

Teruel → Castelló / Castellón

↑ contents

40.65,-0.52 → 40.31,0.36 · 85 km of centreline · maximum at 20:31:22 CEST

TOTALITY	SUN ALTITUDE	AZIMUTH	VIABLE SITES	BEST SCORE
101 s	4.7°	285°	10	95
on the centreline	at maximum	where to look - WNW	of 11 verified	Roadside nr. Fortanete

BEST OVERALL · 95

Roadside nr. Fortanete

EXCELLENT

95 / 100

Coordinates

40.5432, -0.5240

Elevation

1753 m

Access

Park at the spot (road)

Totality

100 s · 20:30:34–20:32:14

Clearance

+5.9°

Sun visible to

-0.8°



PNOA orthophoto · 420 m across · crosshair = the exact coordinates

imagery [Google sat](#) [Bing](#) [PNOA photo](#) [Street View](#) [Maps](#)

weather [Windy](#) [Yr](#) [Ventusky](#)

RUNNER-UP · 94

Alto del Hornillo

EXCELLENT

94 / 100

Coordinates

40.4103, -0.5952

Elevation

1998 m

Access

Park at the spot (track)

Totality

99 s · 20:30:48–20:32:27

Clearance

+5.8°

Sun visible to

-0.9°



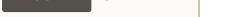
PNOA orthophoto · 420 m across · crosshair = the exact coordinates

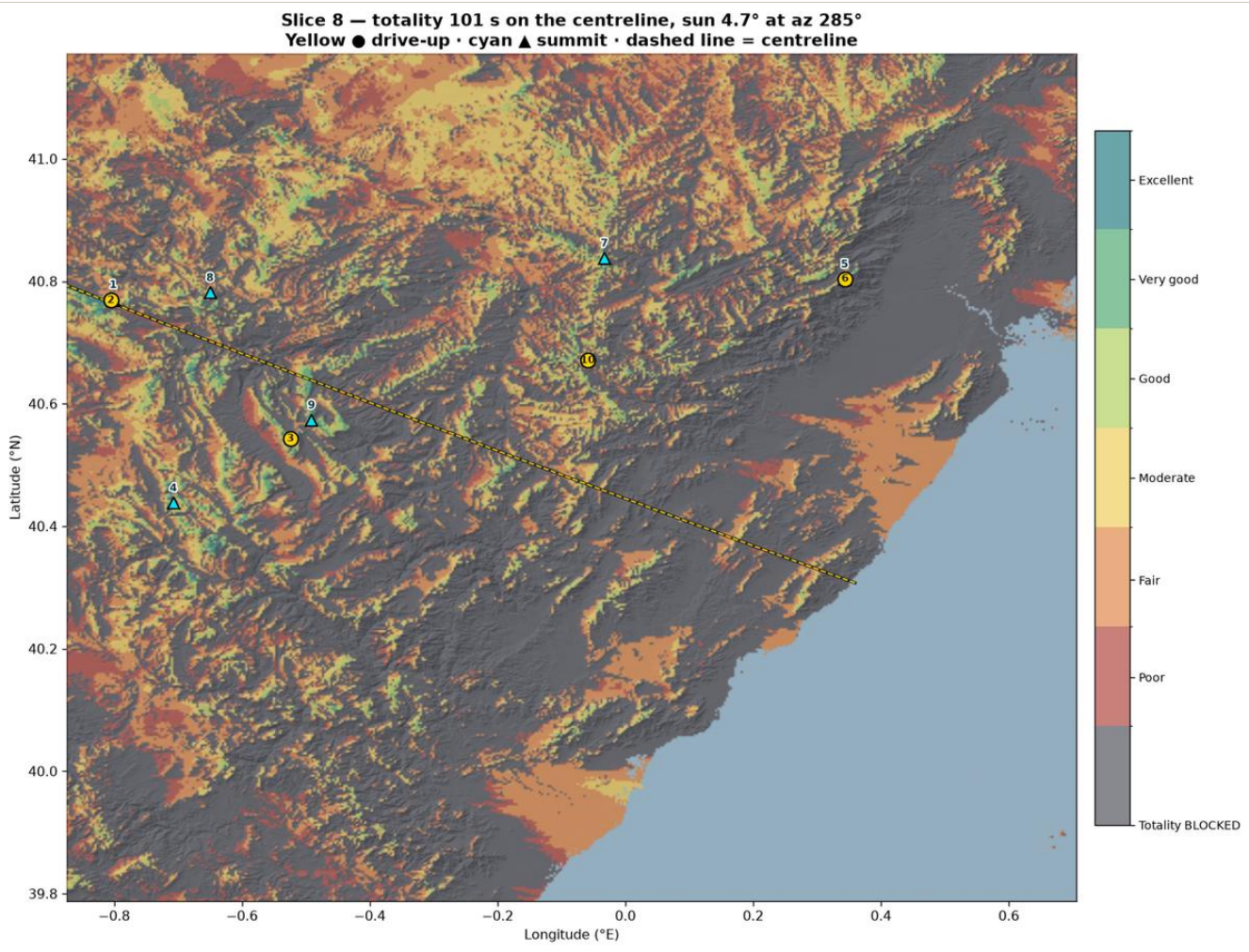
imagery [Google sat](#) [Bing](#) [PNOA photo](#) [Street View](#) [Maps](#)

weather [Windy](#) [Yr](#) [Ventusky](#)

Clearance = degrees between sun and skyline at totality. Sun visible to = altitude where the sun is finally lost; negative means you keep it into the sunset.

SITE	ACCESS	CLEARANCE	SUN VISIBLE TO	TOTALITY	AUG SKY (ERA5)	SKYLINE SET BY	RATING
Roadside nr. Fortanete 40.5432, -0.5240 · 1753 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road	+5.9°	-0.8°	100 s	92% clear 63% · ovc 8%	TERRAIN tree cover · 35 % trees	EXCELLENT 95
Alto del Hornillo 40.4103, -0.5952 · 1998 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (TRACK)	+5.8°	-0.9°	99 s	91% clear 63% · ovc 9%	TERRAIN grassland · 0 % trees	EXCELLENT 94
Caro 40.8031, 0.3431 · 1438 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK 78 M AWAY (ROAD)	+5.9°	-1.3°	93 s	94% clear 72% · ovc 6%	TERRAIN tree cover · 97 % trees	EXCELLENT 92

SITE	ACCESS	CLEARANCE	SUN VISIBLE TO	TOTALITY	AUG SKY (ERA5)	SKYLINE SET BY	RATING
Llobatera 40.8374, -0.0328 · 960 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK 130 M AWAY (TRACK)	+5.2°	-0.3°	96 s	95% clear 71% · ovc 5%	TERRAIN tree cover · 82 % trees	EXCELLENT 91 
Roadside nr. Valdelinares 40.4092, -0.6048 · 1905 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road	+5.1°	+0.1°	99 s	91% clear 63% · ovc 9%	TERRAIN grassland · 0 % trees	EXCELLENT 91 
Loma de Torre Villorres 40.5730, -0.4911 · 1722 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	SHORT WALK 320 M (ROAD)	+5.8°	-0.7°	100 s	92% clear 63% · ovc 8%	TERRAIN shrubland · 10 % trees	VERY GOOD 88 
Roadside nr. Morella 40.6709, -0.0587 · 1251 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road	+3.6°	+0.4°	99 s	94% clear 71% · ovc 6%	TREES grassland · 0 % trees	VERY GOOD 86 
Roadside nr. Cañada de Benatanduz 40.5693, -0.4864 · 1697 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road	+4.8°	+1.3°	100 s	92% clear 63% · ovc 8%	TERRAIN grassland · 4 % trees	VERY GOOD 85 
Bandera 40.3188, -0.6765 · 1802 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	SHORT WALK 396 M (TRACK)	+5.9°	-0.8°	97 s	90% clear 63% · ovc 10%	TERRAIN tree cover · 81 % trees	VERY GOOD 84 
Roadside nr. Alcalá de la Selva 40.3776, -0.6491 · 1927 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road	+2.5°	+0.7°	99 s	90% clear 66% · ovc 10%	TREES built-up · 94 % trees	GOOD 77 
FAILED VERIFICATION							
Roadside nr. Monroyo / Montroig 40.8290, -0.0274 · 938 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road, asphalt	+1.1°	+3.8°	96 s	95% clear 71% · ovc 5%	TERRAIN grassland · 87 % trees	BLOCKED 0 



Coarse screening layer (30 m terrain). Grey = totality hidden behind terrain, blue = sea, dashed yellow = centreline. Markers are the sites in the table above — yellow circles drive-up, cyan triangles summits.

Deep dive — the Salinillas / Lerma corridor

[↑ contents](#)

Straddles slices 3–5. Analysed in more depth because this is the stretch actually being travelled to, including specific candidate points.

The eclipse and the sunset finish together here. C1 is 19:34 with the sun due west at 18.2°; totality runs **20:28:56–20:30:43** at 8° up, azimuth 282.6°; fourth contact is 21:22 and the sun sets at 21:20 with only ~2 % of the disc still covered. With a clear horizon you get nearly two hours of continuous eclipse ending in a sunset.

The shadow arrives from your right. The umbra runs almost due south at ~4,240 km/h, so facing the sun in the WNW it comes over your right shoulder. Salinillas goes dark 59 seconds before Lerma.

BEST OVERALL · 96

Alto de Merendilla

EXCELLENT 96 / 100

Coordinates

41.9847, -3.4125

Elevation

1297 m

Access

Park at the spot (track)

Totality

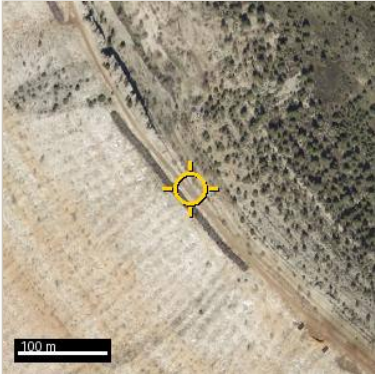
105 s · 20:28:57–20:30:41

Clearance

+8.6°

Sun visible to

-0.8°



PNOA orthophoto · 420 m across · crosshair = the exact coordinates

imagery

[Google sat](#) [Bing](#) [PNOA photo](#)

[Street View](#) [Maps](#)

weather

[Windy](#) [Yr](#) [Ventusky](#)

BEST DRIVE-UP

Roadside nr. Santo Domingo de Silos

EXCELLENT 94 / 100

Coordinates

41.9864, -3.4184

Elevation

1243 m

Access

Park at the spot (road)

Totality

105 s · 20:28:57–20:30:41

Clearance

+8.5°

Sun visible to

-0.7°



PNOA orthophoto · 420 m across · crosshair = the exact coordinates

imagery

[Google sat](#) [Bing](#) [PNOA photo](#)

[Street View](#) [Maps](#)

weather

[Windy](#) [Yr](#) [Ventusky](#)

YOUR CANDIDATE · 83

YOUR CANDIDATE

VERY GOOD 83 / 100

Coordinates

42.0064, -3.6229

Elevation

953 m

Access

Park at the spot (track)

Totality

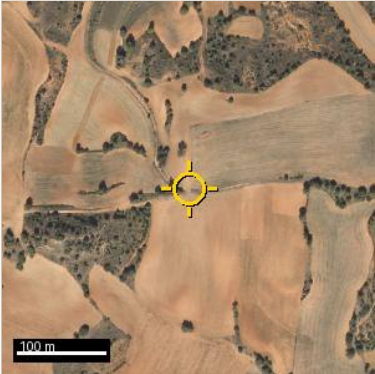
105 s · 20:28:57–20:30:42

Clearance

+8.2°

Sun visible to

-0.2°



PNOA orthophoto · 420 m across · crosshair = the exact coordinates

imagery

[Google sat](#) [Bing](#) [PNOA photo](#)

[Street View](#) [Maps](#)

weather

[Windy](#) [Yr](#) [Ventusky](#)

All 33 candidates in the corridor, verified identically to the slices above. Salinillas de Buradón scores 68: totality clears by +6.5°, but the Sierra de Toloño walls off the west-southwest.

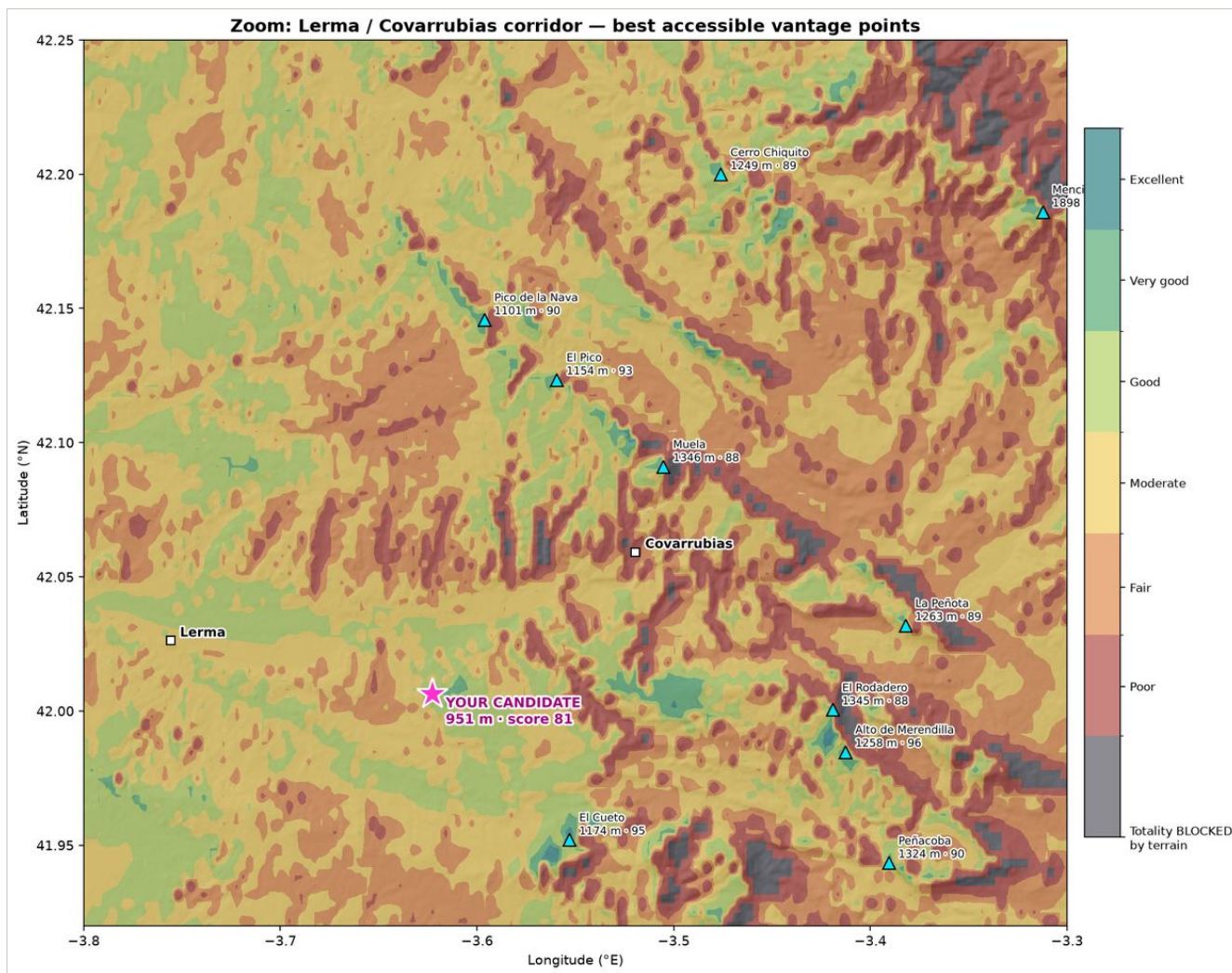
SITE	ACCESS	CLEARANCE	SUN VISIBLE TO	TOTALITY	AUG SKY (ERA5)	SKYLINE SET BY	RATING
Alto de Merendilla 41.9847, -3.4125 · 1297 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (TRACK)	+8.6°	-0.8°	105 s	90% clear 68% · ovc 10%	TERRAIN shrubland · 37 % trees	EXCELLENT 96
Cerro Chiquito 42.1998, -3.4760 · 1257 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (TRACK)	+8.7°	-0.7°	104 s	87% clear 62% · ovc 13%	TERRAIN grassland · 80 % trees	EXCELLENT 96
Mencilla 42.1859, -3.3123 · 1932 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (TRACK)	+9.6°	-1.7°	102 s	83% clear 59% · ovc 17%	TERRAIN grassland · 11 % trees	EXCELLENT 95

SITE	ACCESS	CLEARANCE	SUN VISIBLE TO	TOTALITY	AUG SKY (ERA5)	SKYLINE SET BY	RATING
Roadside nr. Santo Domingo de Silos 41.9864, -3.4184 · 1243 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road, fine gravel	+8.5°	-0.7°	105 s	90% clear 68% · ovc 10%	TERRAIN shrubland · 93 % trees	EXCELLENT 94
El Pico 42.1234, -3.5594 · 1161 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (TRACK)	+8.6°	-0.5°	105 s	90% clear 67% · ovc 10%	TERRAIN grassland · 87 % trees	EXCELLENT 93
la Mojolla 42.6761, -3.5334 · 1174 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (TRACK)	+8.6°	-0.3°	94 s	75% clear 51% · ovc 25%	TERRAIN grassland · 0 % trees	EXCELLENT 92
El Cueto 41.9520, -3.5529 · 1222 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	SHORT WALK 273 M (TRACK)	+8.5°	-0.7°	105 s	91% clear 68% · ovc 9%	TERRAIN shrubland · 64 % trees	EXCELLENT 91
Roadside nr. Ezcaray 42.2134, -2.9843 · 1978 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (TRACK) unpaved track, compacted gravel	+7.5°	+0.2°	98 s	77% clear 53% · ovc 23%	TERRAIN grassland · 60 % trees	EXCELLENT 90
Roadside nr. Ezcaray 42.2134, -2.9843 · 1976 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (TRACK) unpaved track, compacted gravel	+7.5°	+0.2°	98 s	77% clear 53% · ovc 23%	TERRAIN grassland · 64 % trees	EXCELLENT 90
Roadside nr. Sargentés de la Lora 42.7691, -3.9381 · 1067 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road, asphalt	+8.0°	+0.2°	98 s	75% clear 45% · ovc 25%	TREES grassland · 5 % trees	EXCELLENT 90
Roadside nr. Páramo del Arroyo 42.3881, -3.7570 · 960 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road, asphalt	+8.4°	-0.1°	103 s	85% clear 61% · ovc 15%	TERRAIN built-up · 0 % trees	VERY GOOD 87

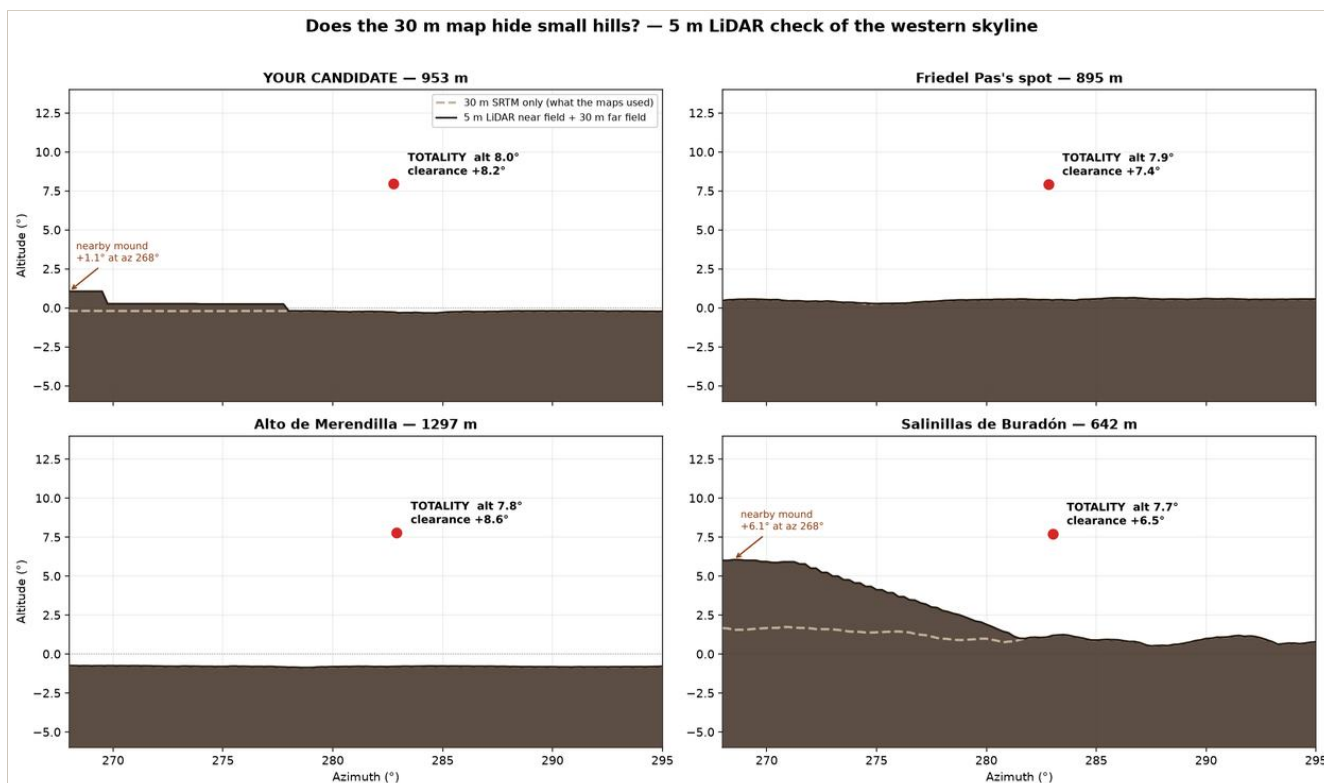
SITE	ACCESS	CLEARANCE	SUN VISIBLE TO	TOTALITY	AUG SKY (ERA5)	SKYLINE SET BY	RATING
Chilizarrias 42.2839, -2.9528 · 1823 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	SHORT WALK 293 M (TRACK)	+8.8°	-1.3°	96 s	77% clear 53% · ovc 23%	TERRAIN grassland · 61 % trees	VERY GOOD 87
Peña Mocha 42.4996, -3.5740 · 1010 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	SHORT WALK 172 M (TRACK)	+8.2°	+0.2°	100 s	81% clear 55% · ovc 19%	TERRAIN grassland · 30 % trees	VERY GOOD 86
Aguila 41.9357, -3.3703 · 1376 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	WALK 463 M (TRACK)	+8.6°	-0.9°	105 s	90% clear 66% · ovc 10%	TERRAIN grassland · 30 % trees	VERY GOOD 85
Campiña 42.0390, -3.0550 · 2047 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	WALK 432 M (TRACK)	+9.2°	-1.6°	102 s	86% clear 59% · ovc 14%	TERRAIN grassland · 0 % trees	VERY GOOD 85
YOUR CANDIDATE 42.0064, -3.6229 · 953 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (TRACK)	+8.2°	-0.2°	105 s	91% clear 67% · ovc 9%	TERRAIN cropland · 1 % trees	VERY GOOD 83
Roadside nr. Villagonzalo Pedernales 42.2876, -3.7061 · 958 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road, asphalt	+7.5°	+0.7°	104 s	88% clear 66% · ovc 12%	TERRAIN built-up · 0 % trees	GOOD 81
Roadside nr. Cardeñuela Riopico 42.3810, -3.5526 · 1026 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road	+8.3°	+0.7°	102 s	83% clear 58% · ovc 17%	TERRAIN grassland · 0 % trees	GOOD 80
Roadside nr. Burgos 42.3490, -3.7049 · 950 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road, asphalt	+5.4°	+1.0°	104 s	89% clear 64% · ovc 11%	TREES grassland · 15 % trees	GOOD 79

SITE	ACCESS	CLEARANCE	SUN VISIBLE TO	TOTALITY	AUG SKY (ERA5)	SKYLINE SET BY	RATING
Lerma (town) 42.0270, -3.7563 · 859 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD)	+8.0°	+0.0°	105 s	—	TERRAIN built-up · 10 % trees	GOOD 78
Friedel Pas's spot (Belorado) 42.4620, -3.2480 · 895 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD)	+7.4°	+0.6°	96 s	74% clear 52% · ovc 26%	TERRAIN built-up · 0 % trees	GOOD 76
Roadside nr. Duruelo de la Sierra 41.9144, -2.9448 · 1403 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor road	+4.0°	+4.6°	103 s	86% clear 59% · ovc 14%	TREES tree cover · 89 % trees	GOOD 76
Pico Usera 41.9051, -2.9366 · 1456 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	WALK 437 M (ROAD)	+6.1°	+1.4°	103 s	86% clear 59% · ovc 14%	TREES tree cover · 98 % trees	GOOD 74
Roadside nr. Viniegra de Arriba 42.0478, -2.8028 · 1848 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (TRACK) unpaved track, paved	+4.0°	+3.3°	100 s	80% clear 54% · ovc 20%	TREES grassland · 62 % trees	GOOD 74
Salinillas de Buradón 42.6266, -2.8208 · 642 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK 85 M AWAY (TRACK)	+6.5°	+0.9°	82 s	80% clear 54% · ovc 20%	TERRAIN tree cover · 80 % trees	MODERATE 68
Briviesca 42.5509, -3.3196 · 718 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD)	+4.3°	+3.9°	95 s	—	TERRAIN built-up · 10 % trees	FAIR 57
Burgos (city) 42.3436, -3.6963 · 859 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD)	+2.8°	+5.9°	104 s	—	TREES built-up · 41 % trees	FAIR 51
FAIL THE GATE – TOTALITY IS BEHIND SOMETHING							

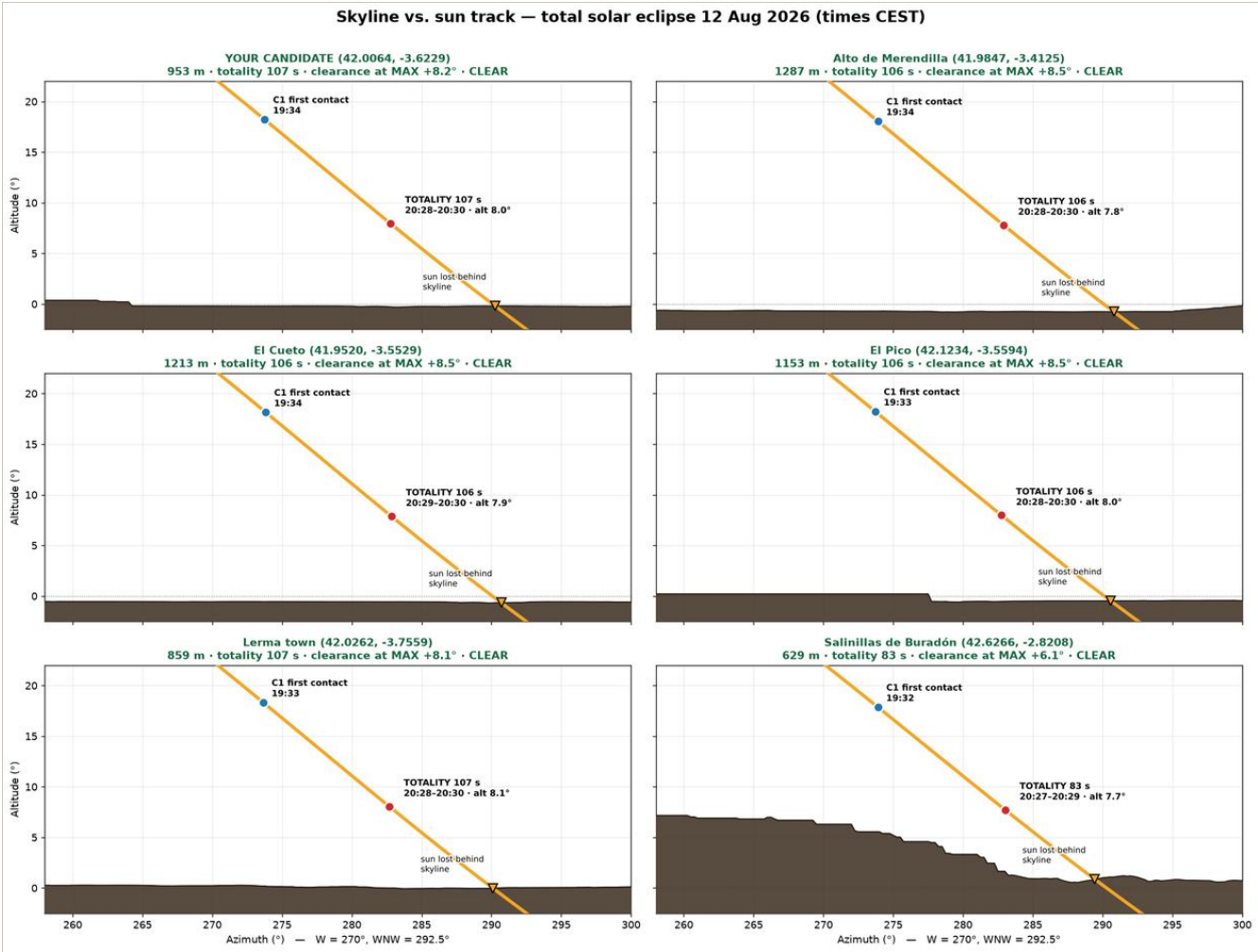
SITE	ACCESS	CLEARANCE	SUN VISIBLE TO	TOTALITY	AUG SKY (ERA5)	SKYLINE SET BY	RATING
Valbuena 42.3762, -3.3394 · 1163 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK 137 M AWAY (TRACK)	-5.2°	+8.7°	99 s	74% clear 51% · ovc 26%	TREES tree cover · 98 % trees	BLOCKED 0
Covarrubias 42.0594, -3.5182 · 890 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK 41 M AWAY (ROAD)	-0.9°	+8.7°	105 s	—	TERRAIN built-up · 8 % trees	BLOCKED 0
Pancorbo 42.6354, -3.1110 · 630 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD)	-15.3°	+8.6°	88 s	77% clear 52% · ovc 23%	TREES built-up · 1 % trees	BLOCKED 0
Roadside nr. Canicosa de la Sierra 41.9051, -3.0246 · 1320 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (ROAD) minor asphalt road, asphalt	-13.0°	+8.4°	104 s	87% clear 61% · ovc 13%	TREES tree cover · 100 % trees	BLOCKED 0
Roadside nr. Huerta de Abajo 42.0809, -3.1656 · 1593 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (TRACK) unpaved track, compacted gravel	-2.7°	+8.5°	102 s	90% clear 65% · ovc 10%	TERRAIN tree cover · 74 % trees	BLOCKED 0
Roadside nr. Huerta de Arriba 42.0782, -3.0828 · 1670 m imagery Google sat Bing PNOA photo Street View Maps weather Windy Yr Ventusky	PARK AT THE SPOT (TRACK) unpaved track, compacted gravel	+1.9°	+5.8°	102 s	86% clear 59% · ovc 14%	TREES tree cover · 100 % trees	BLOCKED 0



The Lerma / Covarrubias corridor. Red-brown ribbons are east-facing slopes — they have their own hill standing behind them in exactly the wrong direction.



What the resolution buys you. Dashed pale = 30 m terrain model; solid dark = 5 m LiDAR in the near field. The gap between them is small-scale ground — the low mounds you can see in Street View. At Salinillas it reaches 4°; at the other three it stays under a degree.



The sun's track from first contact to sunset over the western skyline.

Method, and what it does not know

[↑ contents](#)

Contact times and sun positions from Skyfield against the DE440s ephemeris, solving where the apparent Sun–Moon separation equals the sum and difference of their apparent radii. The umbral centreline is computed by intersecting the Sun–Moon shadow axis with the WGS84 ellipsoid. Regional screening uses the 1-arcsec AWS terrarium DEM, ray-traced from every grid cell along 62 azimuths out to 40 km with Earth curvature and standard refraction. Every shortlisted site is then re-traced individually against the **IGN 5 m LIDAR DTM** over the inner 2.5 km, with the Meta/WRI 1 m canopy-height model applied per azimuth on top. Land cover from ESA WorldCover 10 m; roads, buildings and peak names from OpenStreetMap. Every featured site carries an **IGN PNOA orthophoto** (25-50 cm national aerial survey) with the exact coordinates crosshaired, and every row links out to Google satellite, Bing aerial and the PNOA image itself, plus Windy, Yr and Ventusky for that exact spot. Street View is listed last because it frequently has no coverage on a farm track. Drive-up spots come from scoring points on the road network itself, so parking is guaranteed by construction.

Access is exact point-to-segment distance from the site to the nearest drivable way, roads and farm tracks alike, and the curve is steep: full marks inside 100 m, falling to nothing by 800 m, because carrying chairs and camera gear across open country is not a real option. Tracks are labelled as such so you can tell a lane from a ploughed headland.

Buildings are ray-cast per azimuth from OSM footprints, using the tagged height where there is one and an inferred height by building type otherwise. They are treated like a lone tree: anything within 50 m is ignored, since you step aside, and where a cluster does sit in the way the search looks for a spot within 250 m that clears it. On this path no site's verdict rests on a building — the town-centre pins clear within 60–100 m, and everything else is decided by terrain or trees.

Contact times use the standard two-radius lunar convention, $k_1 = 0.2725076$ for the exterior contacts C1 and C4 and $k_2 = 0.2722810$ for the interior contacts C2 and C3, so totality is not overstated by lunar terrain.

Scoring is one gate then five weighted components out of 100: clearance at totality (28), how far down the sun can be followed toward sunset (20), local relief (16), totality duration (16), access (20). The gate: if the sun is less than 2° above the skyline at totality, the site scores zero regardless of everything else.

- **Access ratings are geometric.** "Park at the spot" means a drivable way in OSM passes within 40 m — not that there is a passing place, an open gate, or a surface your car will like.
- **Many of the tracks come from bulk cartography imports, not survey.** In Castilla y León most carry `source=ITACyL`, were added in a single 2022 edit and have never been revisited, with no surface or access tag. The aerial photo on each card is the check that matters: look for wheel ruts, and for whether the track actually reaches the pin.
- **Land access is not checked;** some summits will be fenced, private or inside protected areas.
- **Canopy and building heights are models.** The canopy is a 2020–2024 snapshot that catches isolated trees unreliably, and most building heights are inferred from type rather than tagged. Obstructions closer than 50 m are ignored by design, so a continuous wall or hedge right at the parking spot would not be caught.
- **ERA5 cloud figures are a 25 km reanalysis**, calibrated here against the airports' own METARs — correlation 0.91, typical error 6 points, but roughly 25 points too optimistic on the Cantabrian coast, where it cannot resolve low stratus. Trust it inland; distrust it within sight of the north coast.
- **Weather outranks everything else here.** An 8° sun looks through roughly six air masses; haze and distant cloud on the western horizon will matter more than any ranking on this page.
- **Slice boundaries are arbitrary** — eight equal lengths of centreline. A site near a boundary is equally valid from either side.