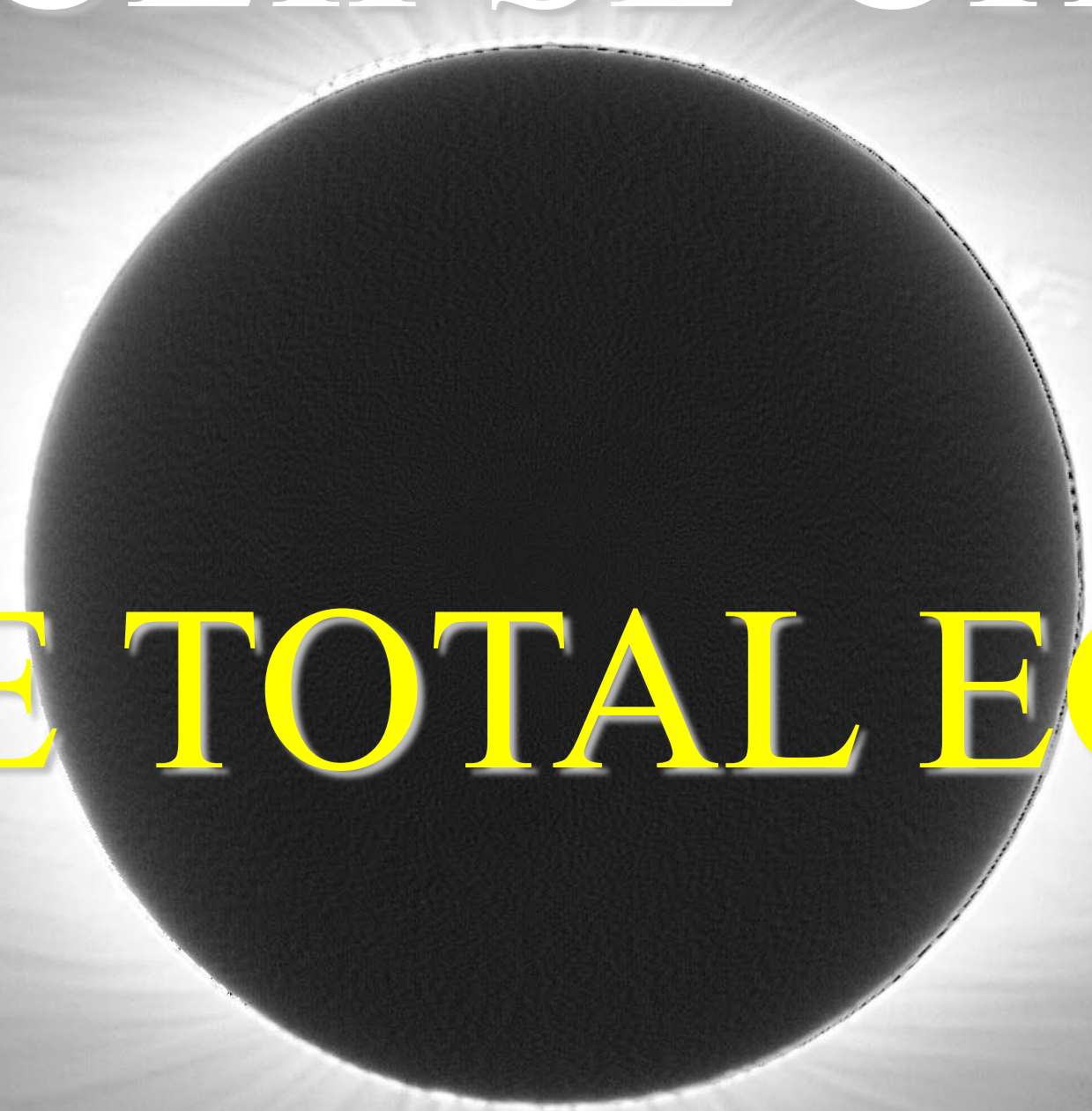
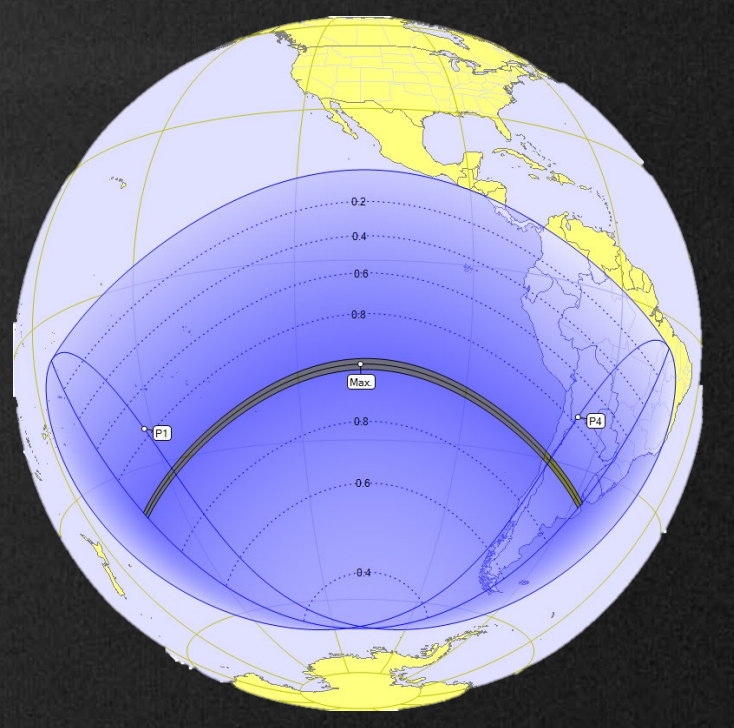




# TOTAL ECLIPSE CHILE 2019:



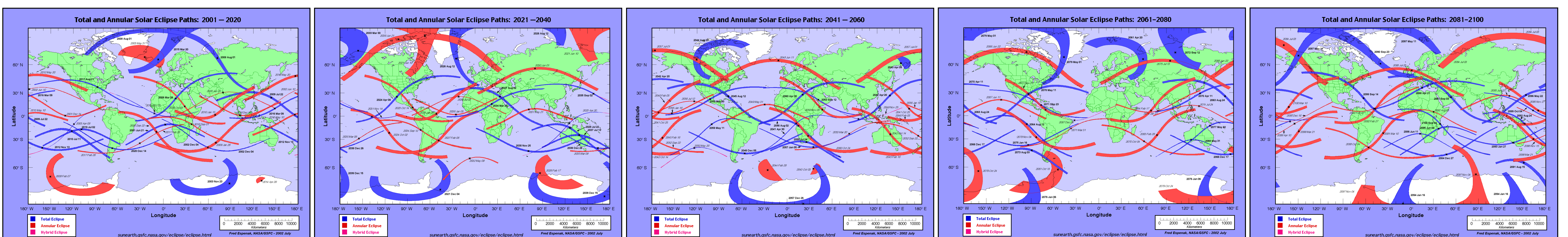
## FUTURE TOTAL ECLIPSES



Miguel Pérez-Ayúcar, Manuel Castillo-Fraile, Joe Zender, Darío Pérez, Michel Breitfellner

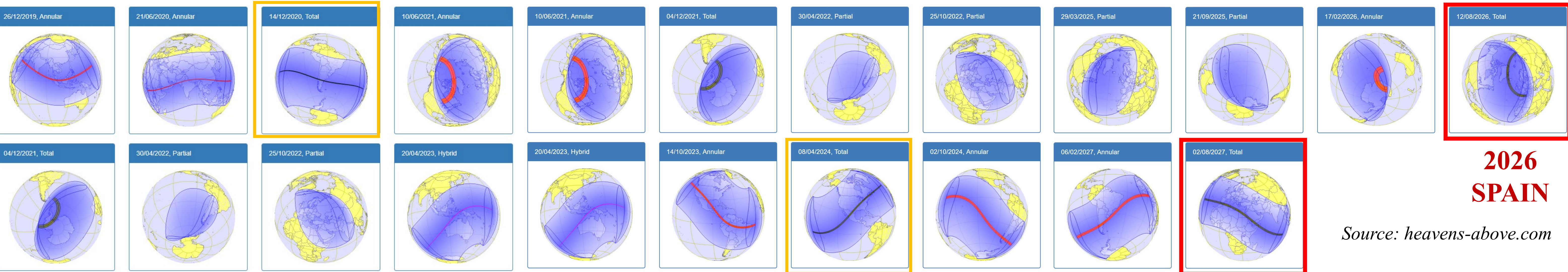
The poster presents the future prospects for Solar Eclipses in the next decade. It highlights possible activities related to Science and Education, especially considering the eclipses on Chile – Argentina 2020, and the only eclipses in continental Europe in the next decades (2026 and 2027, both in Spain)

### SOLAR ECLIPSES in the next 100 YEARS



Source: <https://eclipse.gsfc.nasa.gov/solar.html>

### SOLAR ECLIPSES (individual paths) in the next 10 YEARS



2020  
CHILE, ARG

2024  
USA, MEX

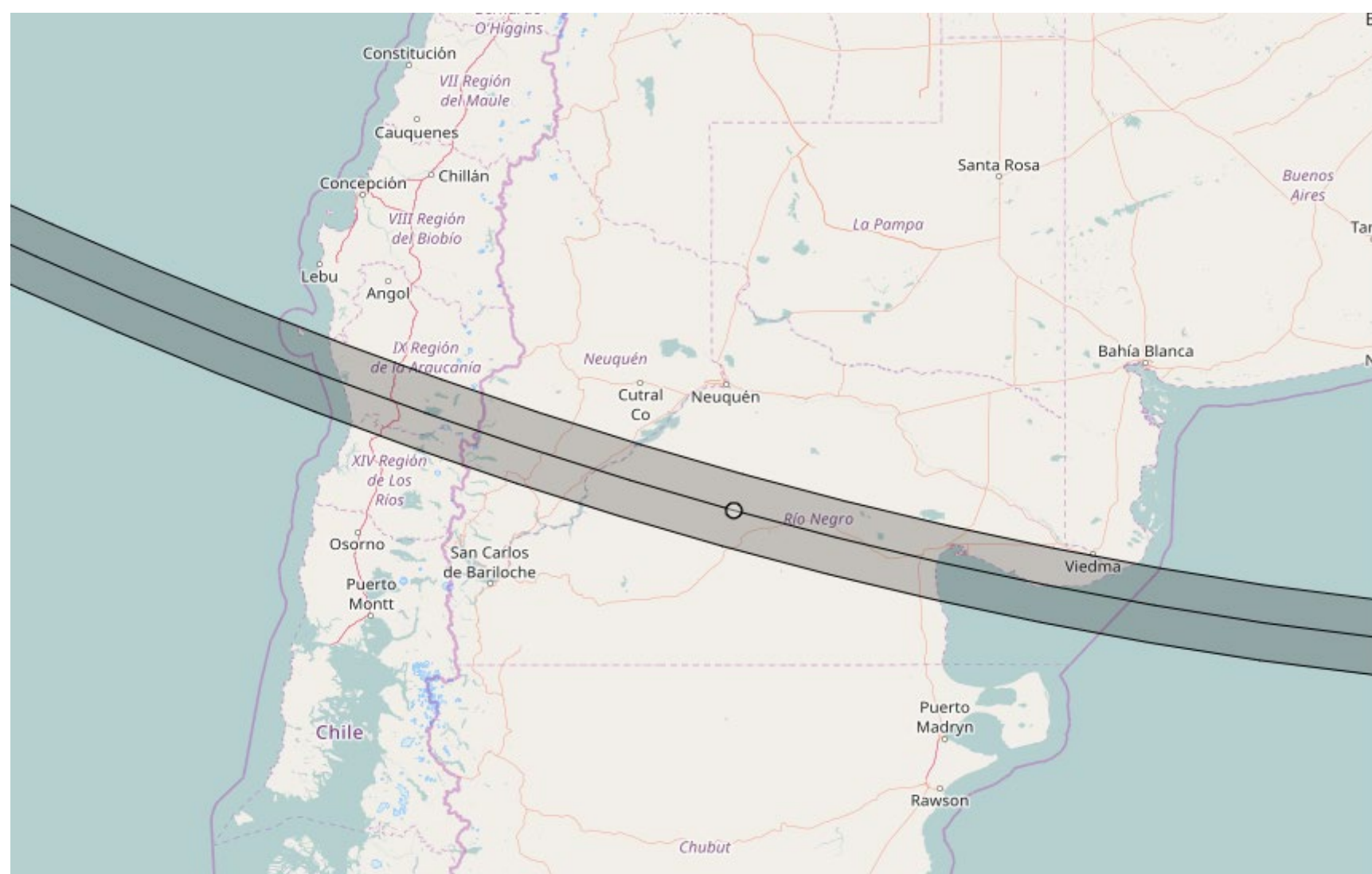
2026  
2027  
SPAIN

Source: [heavens-above.com](https://heavens-above.com)

Next Total Eclipses in EUROPE: 2026 and 2027 (both in Spain). After, ONLY on Sep 3, 2081

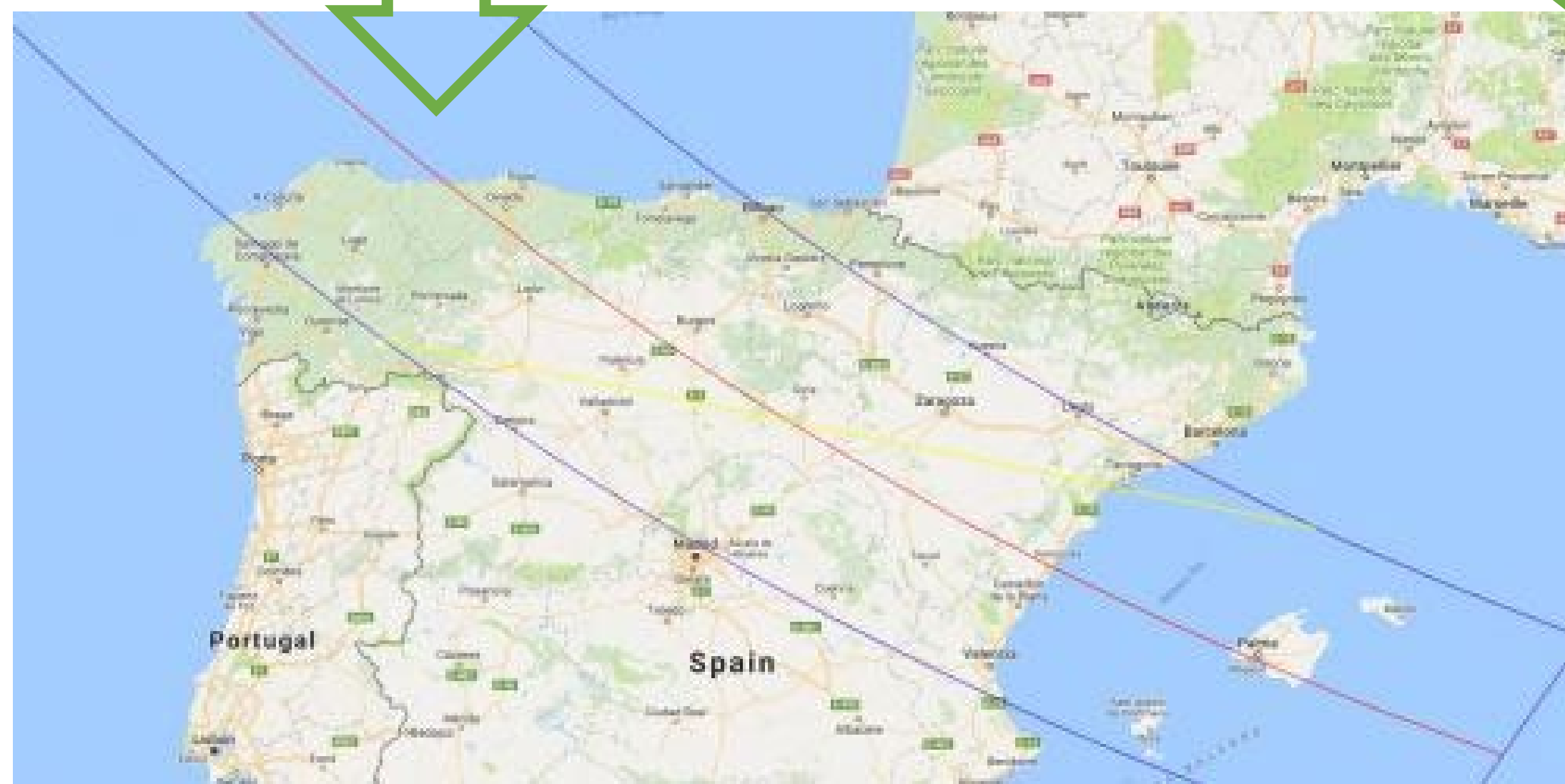


### ECLIPSES with envisaged CESAR-ESA activities



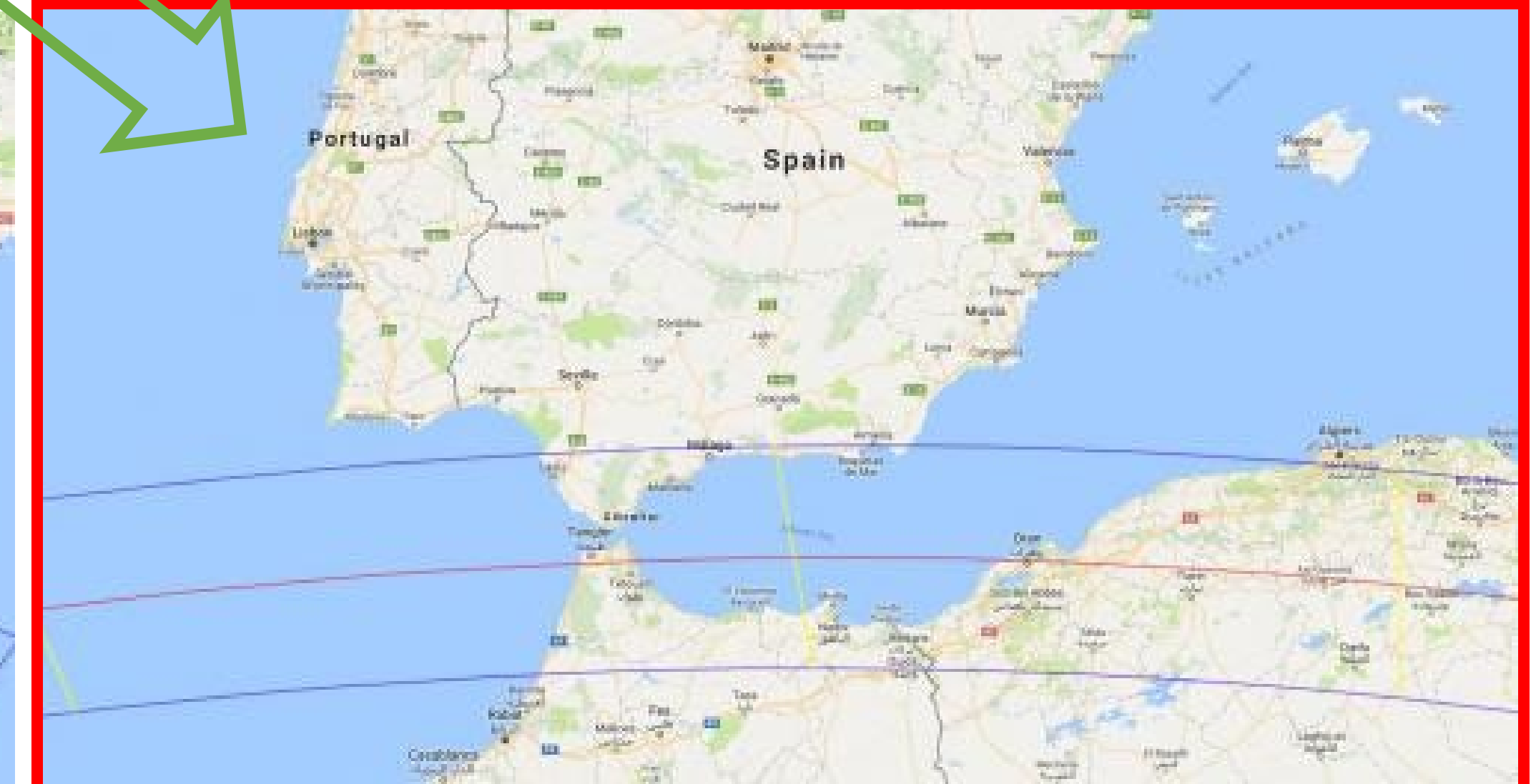
CHILE-ARGENTINA 2020, 14 DEC, 2min 10sec, Alt=72deg MIDDAY

High Sun elevation



SPAIN 2026, 12 AUG, GALICIA? 1min 50sec, (max 2min 18sec) Alt=10deg EVENING

AT SUNSET OVER THE SEA



SPAIN 2027, 2 AUG, CADIZ? 4min 30sec, (max 6min 22sec) Alt=38deg MORNING

BEST GEOMETRY and DURATION!

[http://cesar.esa.int/index.php?Section=Total\\_Eclipse\\_2019](http://cesar.esa.int/index.php?Section=Total_Eclipse_2019)