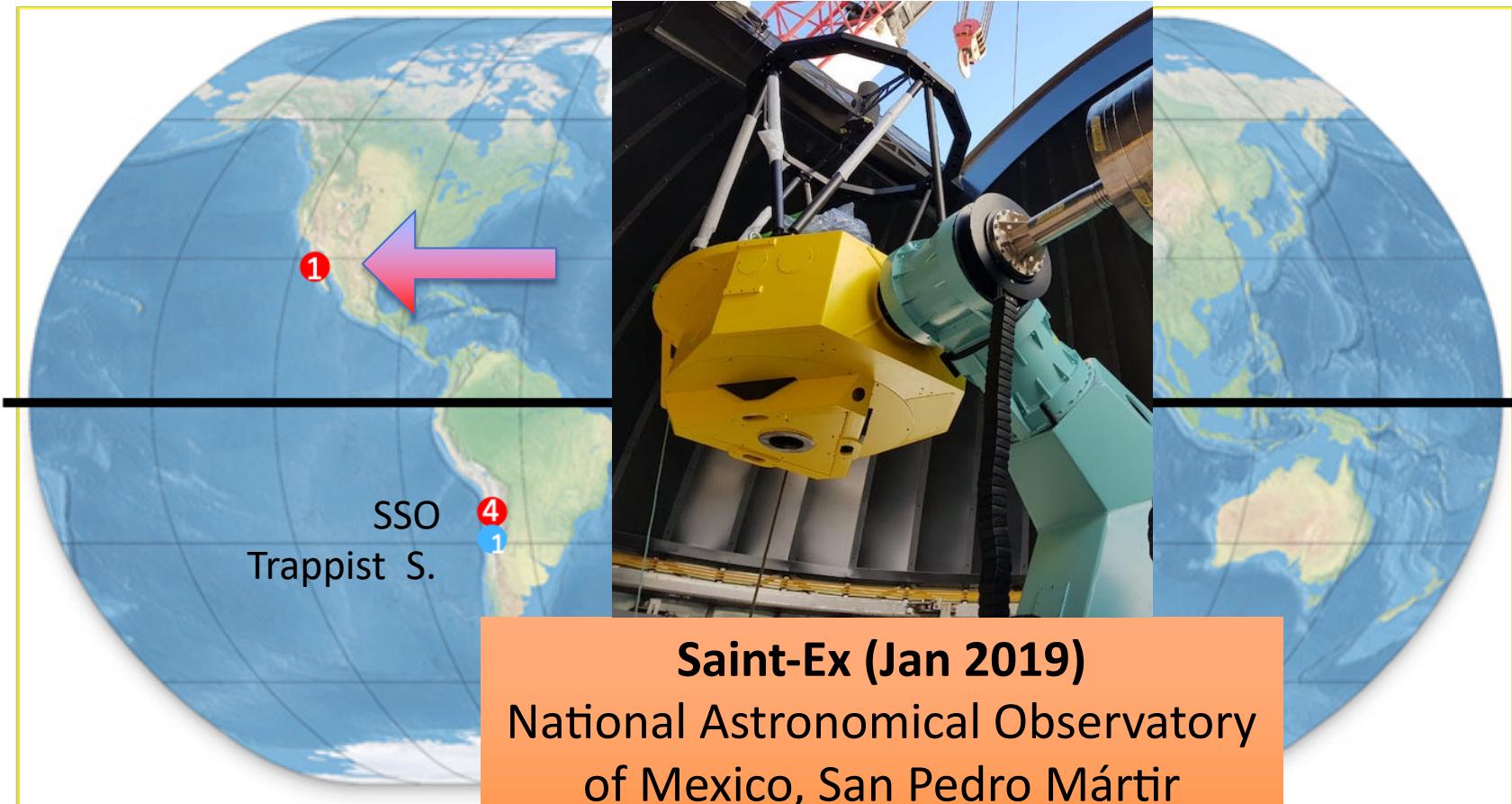
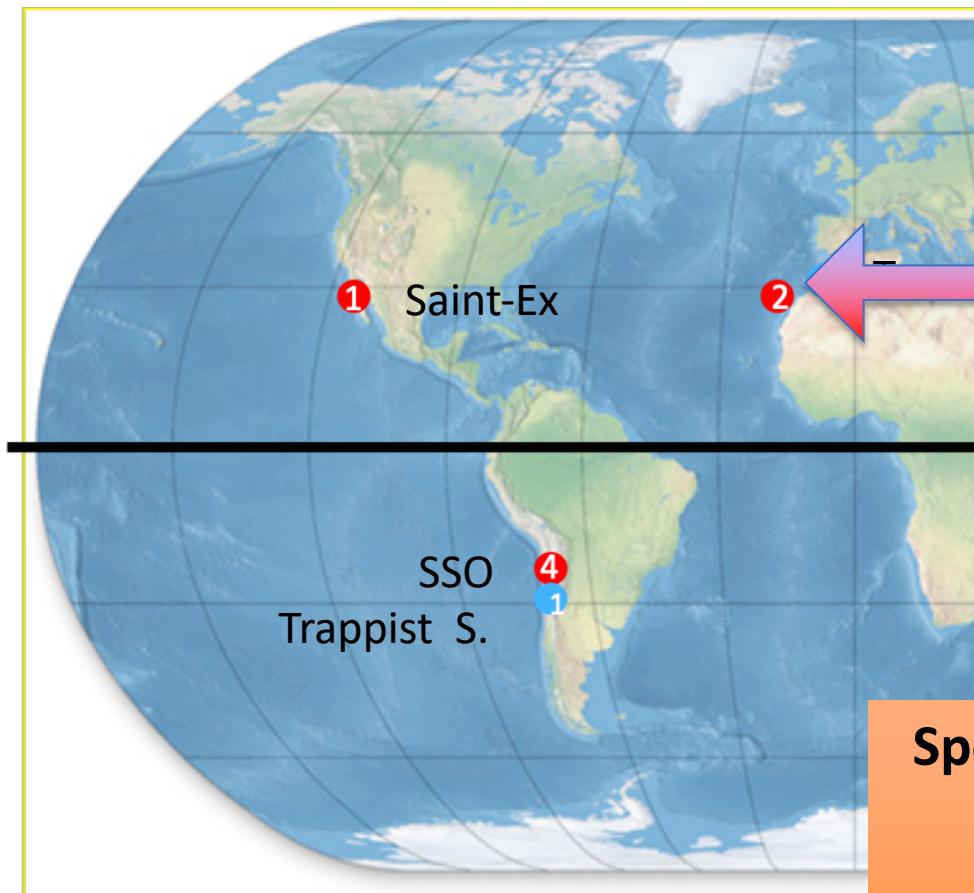


## Extending the project to the North



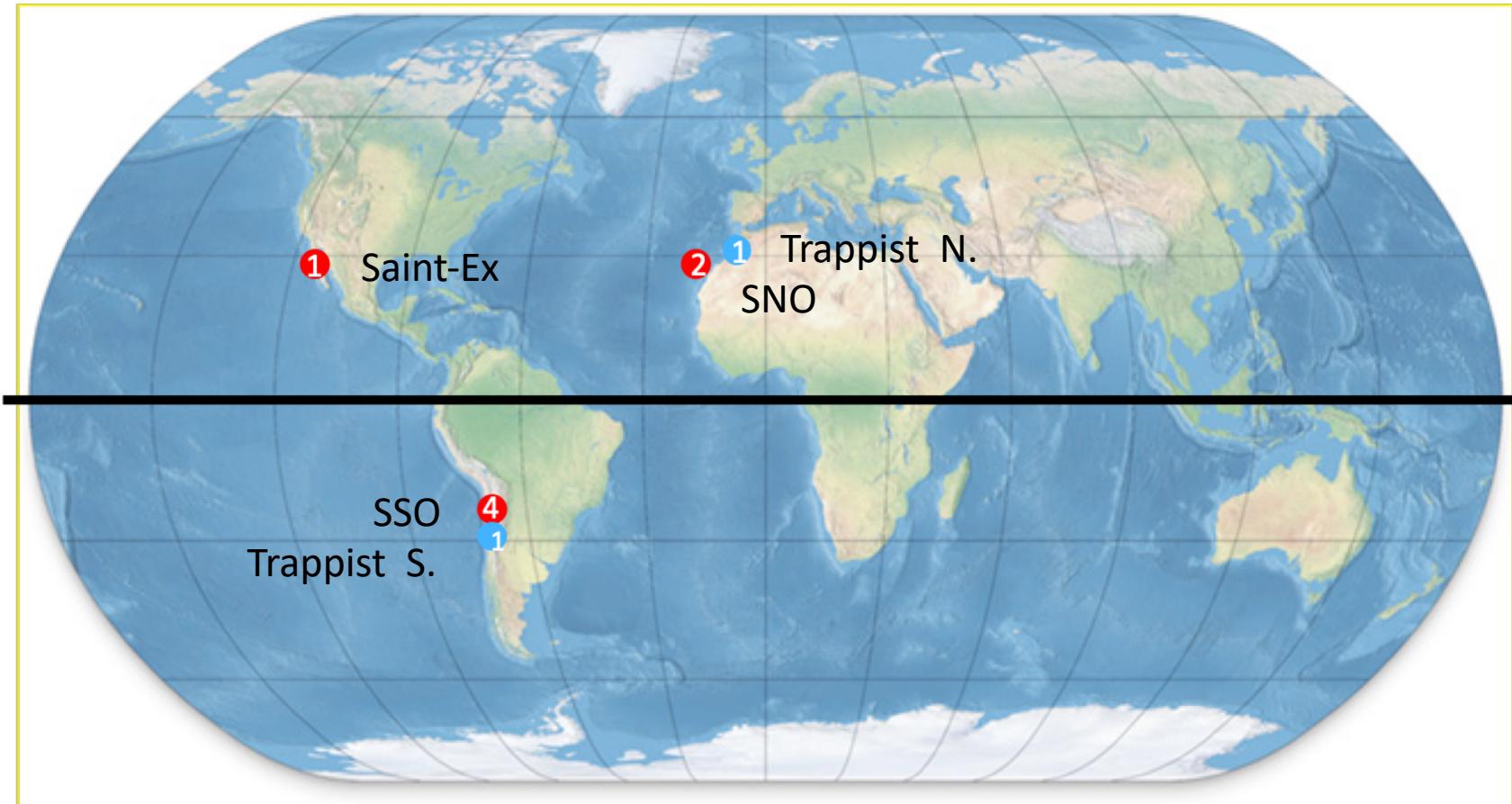
## Extending the project to the North



**Speculoos-Northern Observatory  
(May 2019)**

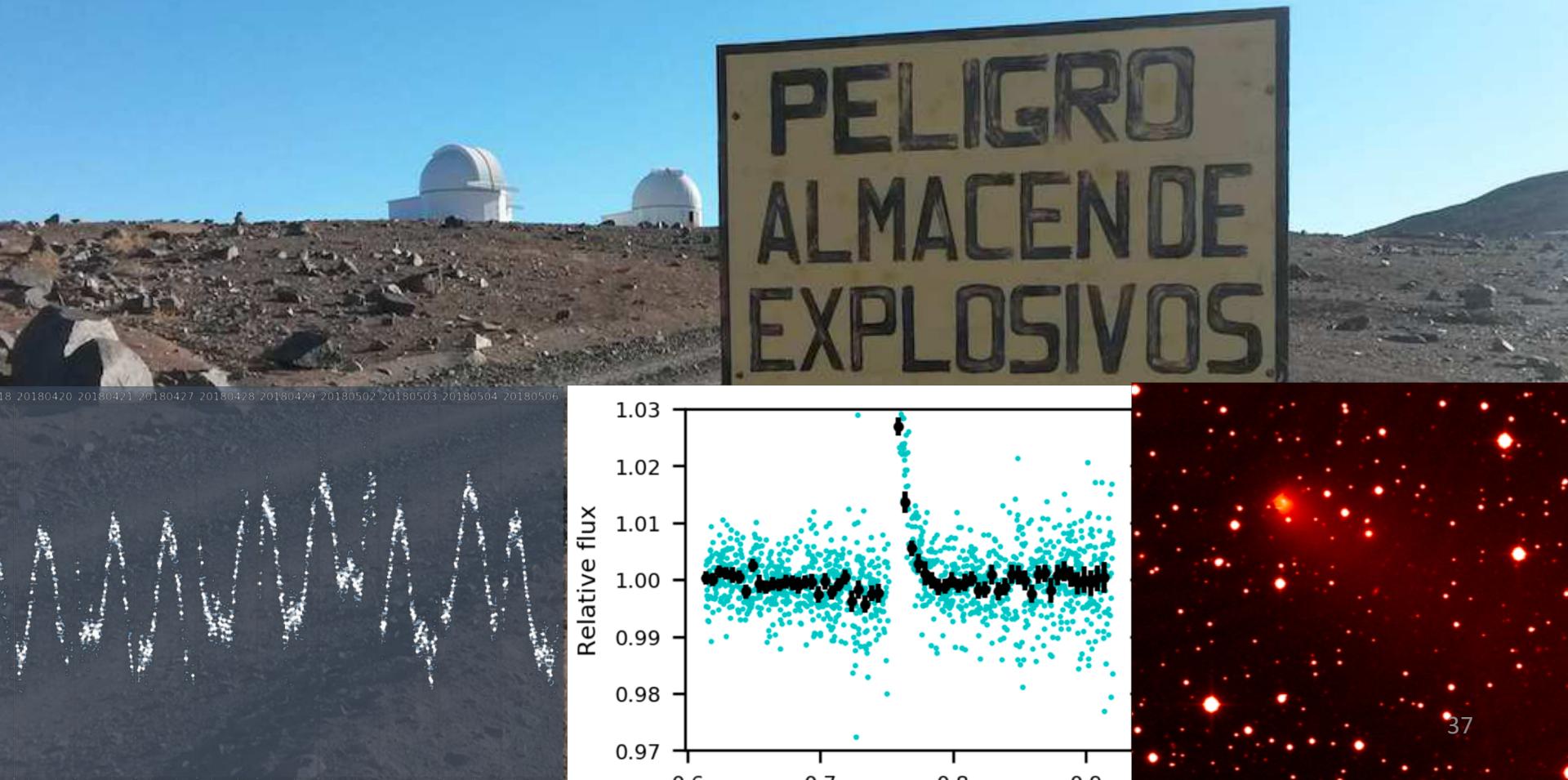
Teide Observatory, Tenerife  
Consortium: Liège, MIT, IAC

## Extending the project to the North



## A world of possibilities

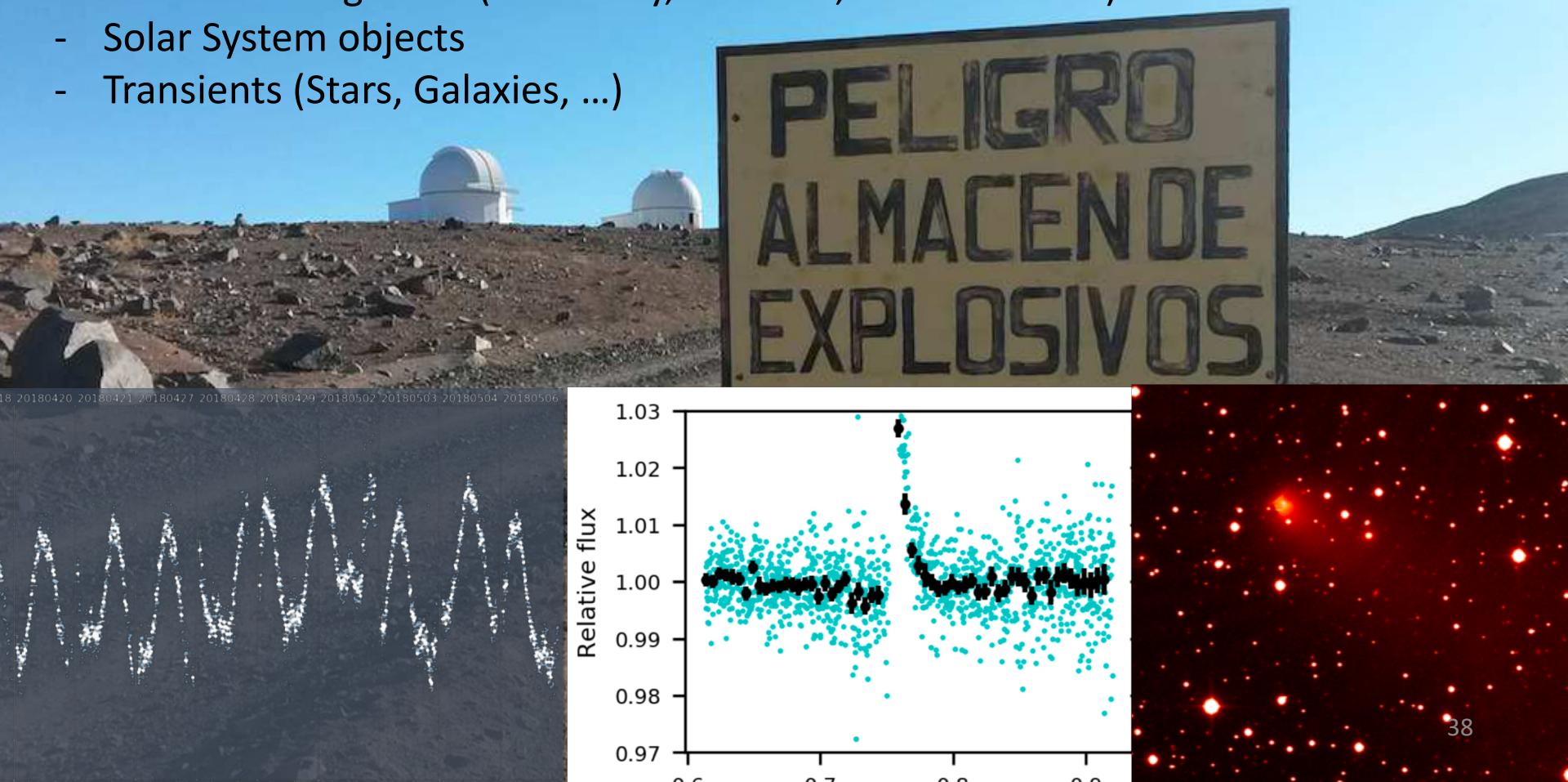
Time series (<1min cadence) – high resolution



## A world of possibilities

Time series (<1min cadence) – high resolution

- Understanding UCDs (Variability, Rotation, Flare statistics)
- Solar System objects
- Transients (Stars, Galaxies, ...)



## Summary

- UCDs excellent opportunity to study planetary atmospheres
- SPECULOOS – transit survey to detect temperate earth size planets
  - Suitable for atmosphere analysis (JWST, ELT)
- Pointed survey with robotic telescopes
- Prototype Survey – one planetary system detected
- SPECULOOS Southern and Northern observatories fully devoted to the survey
  - SPECULOOS South in regular operations
- 5 Observatories (7+ telescopes)
- About 20 to 40 new planets and planetary systems expected

*Thank you for your attention!*

Project website:

[www.speculoos.uliege.be](http://www.speculoos.uliege.be)

