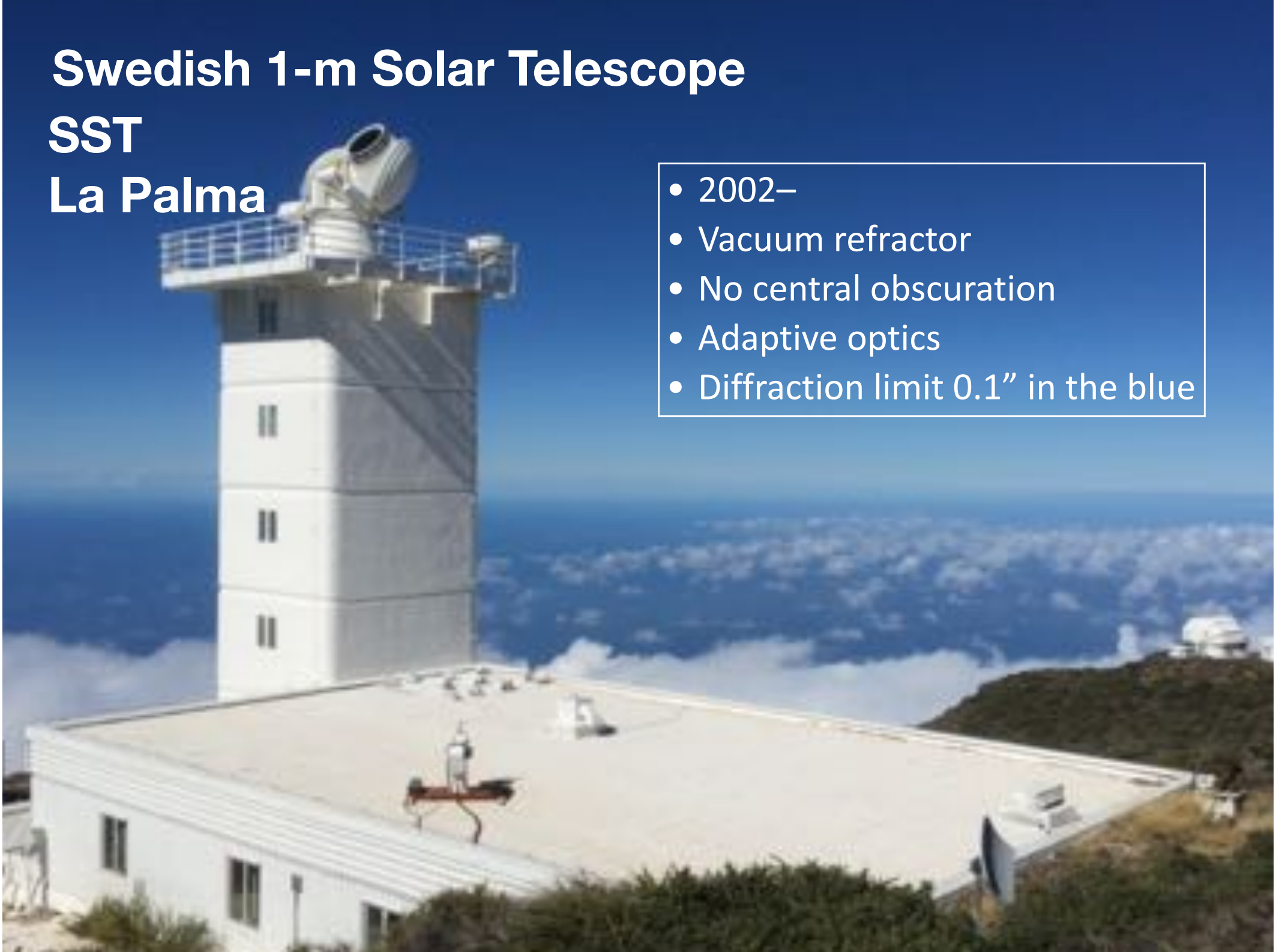
Swedish 1-m Solar Telescope

SST
La Palma



- 2002–
- Vacuum refractor
- No central obscuration
- Adaptive optics
- Diffraction limit 0.1” in the blue


Luc Rouppe van der Voort

Swedish 1-m Solar Telescope
SST
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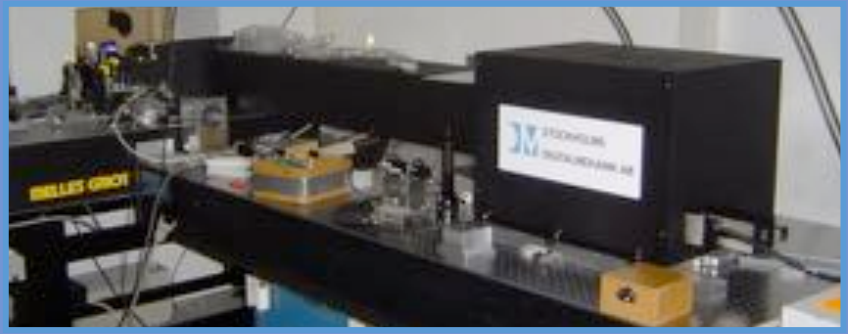
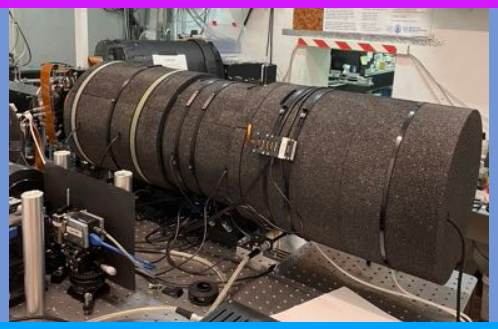
TRIPPEL
slit spectrograph



HeSP
He 10830 spectropolarimetry
Not commissioned!



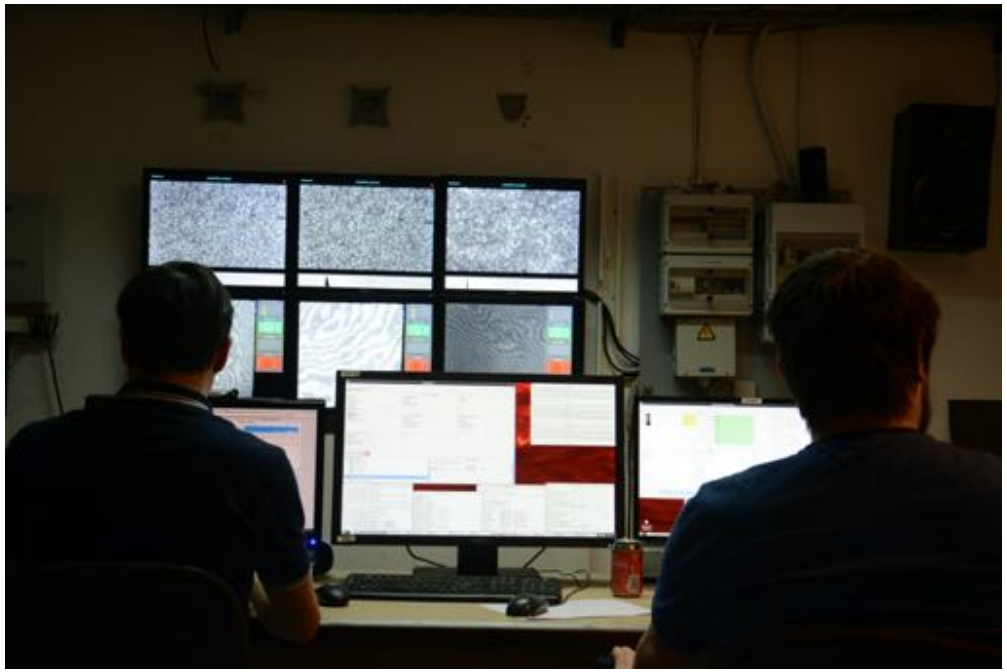
Prefilters determine what lines are observable!
https://dubshen.astro.su.se

CHROMIS
imaging spectrometry
390 nm – 500 nm

CRISP
imaging
spectropolarimetry
520 nm – 860 nm

This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 824135.

SST in SOLARNET



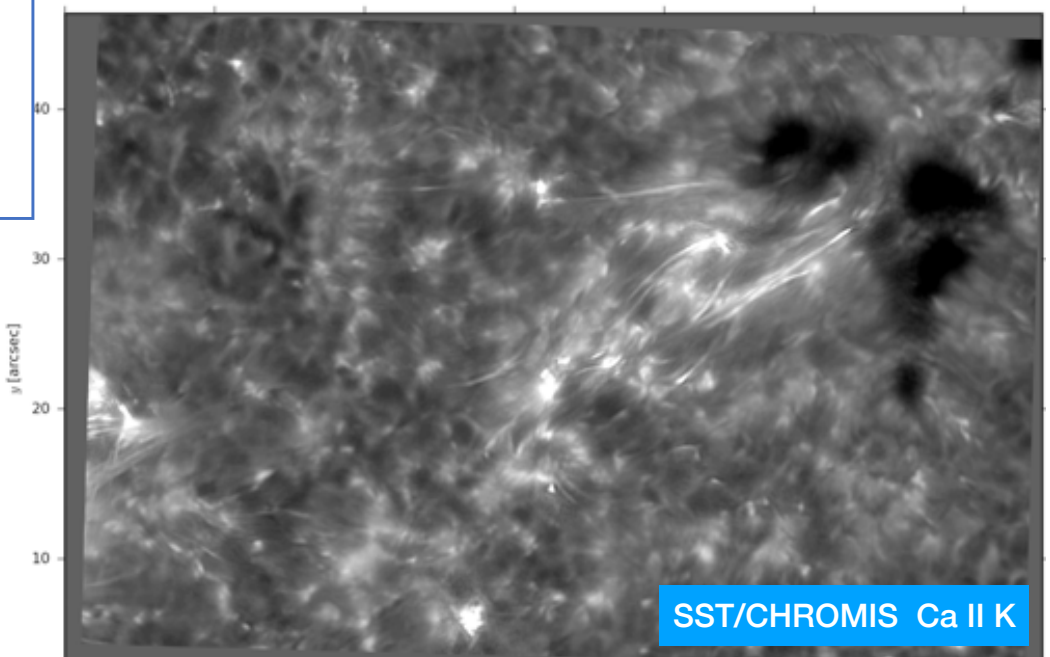
Mainly **PI visitor mode:** 2 observers on site. Typically 10-d campaigns.

Limited & experimental **Service queue mode:** Telescope staff perform the observations given a list of projects.

In proposal state whether service mode is:

1. possible
2. impossible,
3. only possibility.

Reductions with standard pipelines & MOFBD included. PI will be provided with reduced data. **Takes time!**



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SST in 2022

- Plan for normal operations.
- Aim at using using up the whole remaining SOLARNET budget.
- Hope to have one long service campaign.

- **CRISP** + **CHROMIS**: maybe new detectors.
- **TRIPPEL** will be prepared if needed. No polarimetry.
- **HeSP** will not be a common user instrument in 2022.

- During the flight of **SUNRISE III**, SST will be on Swedish time. But we will be open for collaborations.