OBSERVING TIME PROPOSAL FORM 2026A
for the 1.5 m solar telescope GREGOR
at the Observatorio del Teide, Tenerife, Spain

For the GREGOR observing phase from April 14 until August 4, 2026 you can apply for KIS time, Spanish time, and ITP time. For KIS time submit your proposal to `kis_tac@leibniz-kis.de`. For Spanish time access the web page at: `http://research.iac.es/OOCC/solar-cat/`.

For more information consult:

`https://www.leibniz-kis.de/en/observatories/gregor/observations-with-gregor/`

For questions please contact KIS info mail: `kis_tac@leibniz-kis.de`

Proposal Deadline: 30 January 2026

The applicant acknowledges the following notes:

1. The GREGOR TAC will allocate observing days including weekends. The observer team will be able to conduct observations **on-site or remotely** with the support of observing assistants present at GREGOR.
2. The PI is committed to cooperate archiving the raw data.
3. The PI agrees to follow the instructions for observers, which include safety precautions and to read manuals before the observations.
4. The PI commits her/himself to submit an observing report within two weeks after the campaign focusing on the telescope and instrument performance. For efficient use of telescope time, the technical staff needs feedback about the performance of the telescope and instruments.
5. The PI agrees that the data are openly available after a proprietary phase of 12 months. For PhD theses, the proprietary phase is prolonged to 2 years. The PI is encouraged to share the data with consortium members and with external scientists on a collaborative basis.
6. All publications based on GREGOR data have to acknowledge GREGOR according to the template on our website.

1 Title of Project:

2 Applicants

Principal Investigator:

Affiliation:

Email address:

Co–Investigators(s):

Affiliation(s):

Email address(es):

[-] We/I apply for time under the KIS Time. Send to `kis_tac@leibniz-kis.de`
[-] We/I apply for time under the German Time (AIP/MPS). Send to `tac@leibniz-kis.de`
[-] We/I apply for Spanish time. `http://research.iac.es/OOCC/solar-cat/`

[ ] The PI is a PhD student and the proposal is for data for the thesis.

[ ] I require a computer account at OT.
[ ] I already have a computer account at OT.

[ ] I am a first time or inexperienced user. (Please contact `kis_tac@leibniz-kis.de` in case of questions, and in case of using HiFI+ also cdenker@aip.de before submitting the proposal.)

3 Justification

Scientific Objectives of Observing Time

3.1 Scientific Relevance

(Please give a statement of the scientific objectives and relevance of the requested observing campaign and describe your observing plan in some detail (instrument, spectral line, other instrument specific details). Please make sure that all necessary information is provided and that no identifying information about the PI/team is included.)

3.2 Previous data

(If you were awarded observing time for a similar topic previously, summarise previous results or show the progress of your current analysis and justify why you need more observing time. If archive data are available, please justify why they cannot be used for your study.)

4 Observing requests:

4.1 Setup requested:

(Please include the required instrument setup description and fill the checklist table based on available instruments (see below)

GRIS slit-scanner modes of operation:

-One spectral arm at any arbitrary wavelength between 0.75-1.30 μm or 1.55-1.80 μm.

-Two simultaneous spectral arms at 1083 and 854.2 nm, with spectral lines of interest centered on the detectors.

-Two simultaneous spectral arms at 1281.8 and 854.2 nm, with spectral lines of interest centered on the detectors.

-Three simultaneous spectral arms at 1083, 854.2, and 770 nm, with spectral lines of interest not centered on the detectors.

All configurations support full-Stokes polarimetric measurements across the selected wavelengths.

GRIS IFU: Not available in 2026A. Will be available in 2026B.

HiFIplus: Fast context imaging below 740 nm (below 650 nm if using H-alpha Slitjaw): blue continuum, G-band, Hα narrow/broad, TiO, Ca II H

Off-limb AO: GREGOR has a new AO mode (H-alpha-AO) which allows to lock the AO off-limb on prominences (if the prominence shape permits). This mode is offered on a shared-risk basis and allows to use of HiFI H-alpha 656 narrowband and GRIS in the slit or IFU mode.

SJ: Please state whether you plan to use the slit jaw (SJ) imaging system.

If applicable, describe any non-standard setup. Please also list the foreseen observing mode (FOV, exposure times, duration of raster, required S/N, targets, ...))

	0.75-1.30 μm	1.55-1.80 μm	1083.0 + 854.2 nm	1282.0 + 854.2 nm	1083.0 + 854.2 + 770 nm
GRIS/Slit					

	with Hα & TiO	no Hα & TiO	
HiFIplus			beamsplitter at 650nm or 740nm

Slitjaw imaging	

Mark with an X in the box based on the required instrumentation.

Amount of days requested:

Please justify your choice

Coordinated observations

Please list foreseen observing coordination with other telescopes.

Impossible Dates:

(An attempt will be made to accommodate your "impossible time" in the schedule. Please also specify if coordinated observations are planned. There is absolutely no guarantee for success of this attempt.)