

OBSERVING TIME PROPOSAL FORM 2021B

for the 1.5 m solar telescope GREGOR

at the Observatorio del Teide, Tenerife, Spain

For observing phase from 9 August - 3 December 2021

Submit the completed form to: east-tac@astro.su.se (SOLARNET and CCI/ITP time, must be accompanied by a SOLARNET or ITP application form), tac@leibniz-kis.de (German time AIP/MPS) or at solar CAT pages: <http://research.iac.es/00CC/solar-cat/> (Spanish time)

Deadline: 24 May 2021, 23:59 UT

For more information consult:

<http://www.leibniz-kis.de/en/observatories/gregor/observing-with-gregor/>
and

<http://www.leibniz-kis.de/en/observatories/gregor/scientific-instruments/>

For questions please contact KIS info mail:

ot-info@leibniz-kis.de

GREGOR observing time is allocated in 'open' PI mode. The applicant is requested to adhere to the following rules:

1. The PI is committed to cooperate archiving the raw data, and to make Quick Looks available as soon as possible, typically in less than 1 month after recording the data;
2. The PI agrees to follow the rules in the instructions for observers, which include safety precautions to avoid endangering the telescope and the requirement to read manuals before the observations.
3. 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.
4. The PI is strongly encouraged to share the data with consortium members and with external scientists on a collaborative basis.
5. All publications based on GREGOR data have to acknowledge GREGOR according to the template on our website. The GREGOR papers to be cited are Kleint et al. A&A 641, A27 (2020) and the relevant papers from the special AN issue 'Astronomical Notes, Volume 333, 2012, Number 9' including Schmidt et al. 2012, AN 333, p796 (DOI: 10.1002/asna.201211725) and the instrumentation papers.
6. In selecting the observing target and observing sequence the PI is engaged to efficiently use the telescope time. This implies to take data for other proposals in case the PI has accomplished her/his scientific goals or in case the proposed observing target is not available.
7. The PI commits her/himself to submit an observing report according to a given template 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.

1 Title of Project:

2 Applicants

Principal Investigator:

Affiliation:

Email address:

Co-Investigators(s):

Affiliation(s):

Email address(es):

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- [] We/I want to apply for time under the German Time (AIP/MPS). Send to tac@leibniz-kis.de
 - [] We/I want to apply for time under the CCI International Time. Send to east-tac@astro.su.se
 - [] We/I want to apply for time under SOLARNET. Send to east-tac@astro.su.se
 - [] We/I want to apply for Spanish time. <http://research.iac.es/00CC/solar-cat/>

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- [] 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 ot-info@leibniz-kis.de and in case of using M-lite imager or 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.)

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:

Setup requested:

(- GRIS: IFU (Image slicer) spectropolarimetry at wavelengths 1.0-1.3 or 1.5-1.8 microns. **GRIS will not be available after October, thus please either include a backup program without GRIS (i.e. only BBI or HiFi/MLite), or justify the scientific impossibility of carrying out your observation without the use of GRIS. Note that a strong competition for time in Aug-Sep is expected.**

- Fast context imaging below 900 nm (below 650 nm if using H-alpha Slitjaw). Specify any required filters.

- Please state whether you plan to use the 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, ...))

Amount of days requested:

Please justify your choice (Solarnet usually grants 10 days).

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.)