

**OBSERVING TIME PROPOSAL FORM 2019A**  
**for the 1.5 m solar telescope GREGOR**  
**at the Observatorio del Teide, Tenerife, Spain**

For the observing season Apr 29, 2019 - Aug 9, 2019. Submit the completed form to:  
`tac@leibniz-kis.de` (KIS time) or `east-tac@astro.su.se` (SOLARNET and CCI time)

**Deadline: 18 January 2019**

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 L. Kleint: `lucia.kleint@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. The relevant GREGOR papers in the special AN issue 'Astronomical Notes, Volume 333, 2012, Number 9' are to be cited 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 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. The report is submitted through the OT blog: <https://blog.tt.iac.es/> :
  - (a) Log in to our Blog: [https://blog.tt.iac.es](https://blog.tt.iac.es/) (if problem, contact `cale@kis`)
  - (b) Pull down: "Logbook" in black bar.
  - (c) Move mouse to "Observer's report" and Click on "Edit/Create Observer's report"
  - (d) Fill out the form. Click on "Yes" when you had 'Problems (with hardware)' to open a text field in which you can describe your problem.

## 1 Title of Project:

## 2 Applicants

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**Principal Investigator:**

**Affiliation:**

**Email address:**

**Co-Investigators(s):**

**Affiliation(s):**

**Email address(es):**

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- We/I want to apply for KIS time (requires a Co-I or PI from KIS).
- We/I want to apply for time under the CCI International Time Program (ITP).
- We/I want to apply for time under SOLARNET.
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- The PI is a PhD student and the proposal is for data for the thesis.

## 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, summarize 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:

(For 2019A, the possible setup is - GRIS: IFU (image slicer) spectropolarimetry at wavelengths 1.0-1.3 or 1.5-1.8 microns - Fast context imaging. Wavelengths below 900 nm (if not using GFPI) or wavelengths below 480 nm (if using GFPI). Specify any required filters. If using wavelengths above 650 nm for context imaging, be aware that the H-alpha SJ channel will not get any light. - GFPI: available in spectroscopic (not polarimetric) mode and only in collaboration with AIP. Please contact them before proposal submission. 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.

### 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.)