

Archive of the Science Data Centre

Leibniz Institute for Solar Physics (KIS)

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KIS Science Data Centre Archive

Brief Intro:

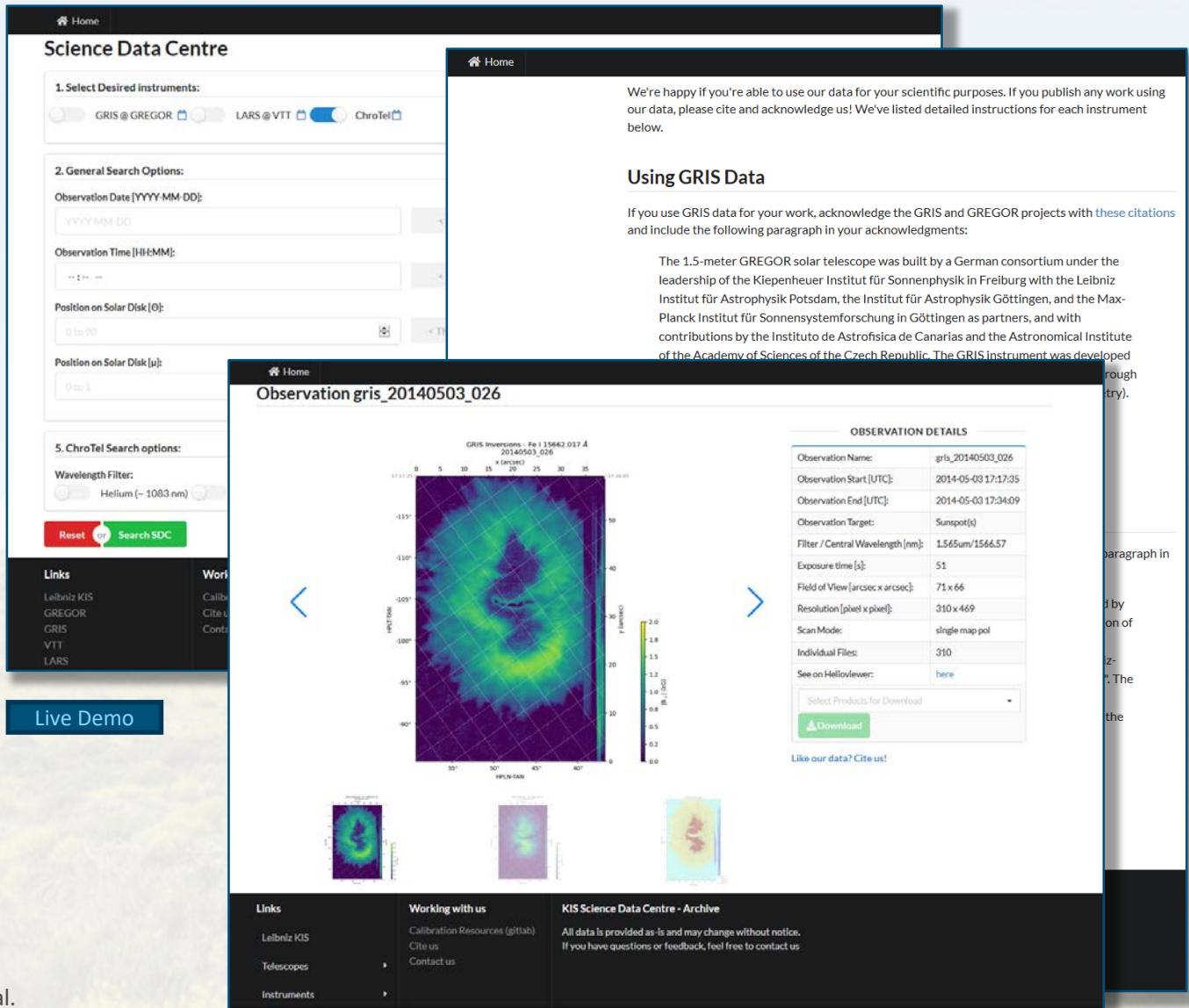
- Central Archive for data from GREGOR and VTT
- 260k datasets
- 4 instruments (GRIS, GRIS-IFU, LARS, ChroTel)
- Oldest data from 2014
- Most FITS data compliant with SOLARNET Metadata Recommendations [1]

Features:

- Data Storage with common data model
- sdc.leibniz-kis.de: web interface for data preview and download

New:

- GRIS-IFU (integrated field unit) data supported now ~400 datasets
- VFISV [2] inversions available for GRIS data ~1k datasets
- Dedicated tool for data inspection developed in-house



[1] Stein Vidar Hafnar Haugan, Terje Fredrik

SOLARNET Metadata Recommendations for Solar Observations

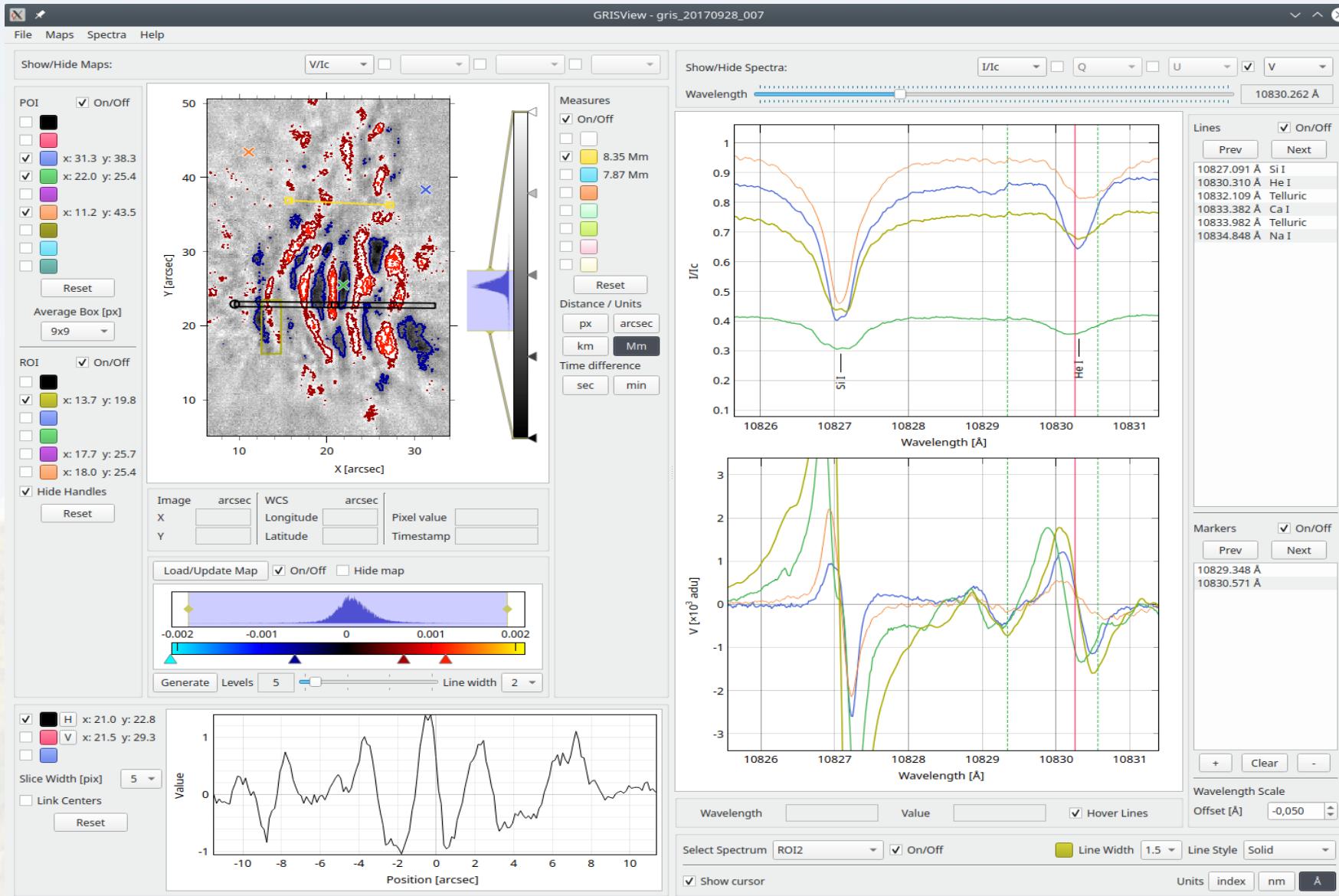
<https://arxiv.org/abs/2011.12139>

[2] Juan Manuel Borrero et al.

VFISV: Very Fast Inversion of the Stokes Vector for the Helioseismic and Magnetic Imager

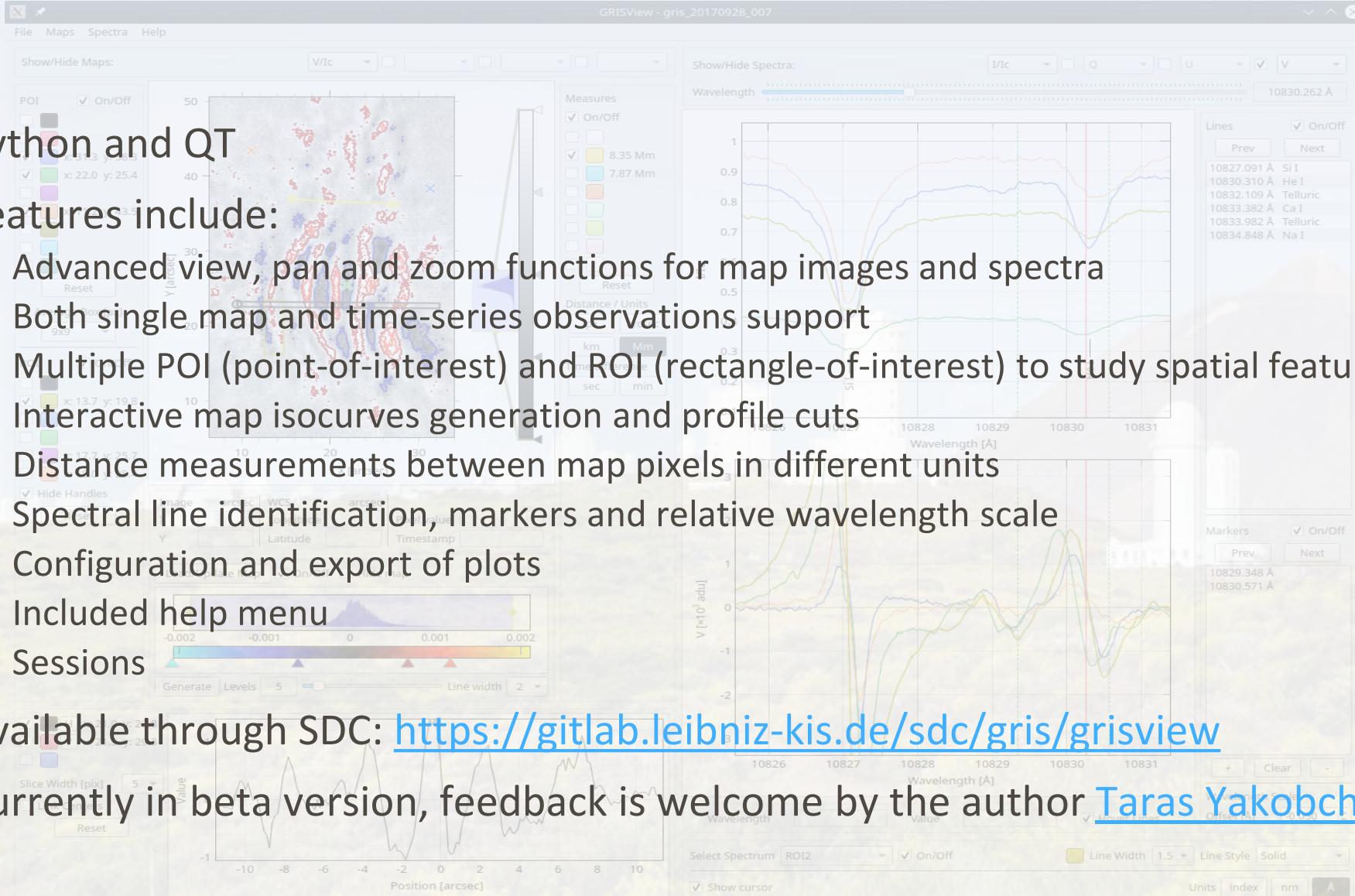
<https://ui.adsabs.harvard.edu/abs/2011SoPh..273..267B/abstract>

grisview – inspect spectropolarimetric data



grisview – inspect spectropolarimetric data

- Python and QT
- Features include:
 - Advanced view, pan and zoom functions for map images and spectra
 - Both single map and time-series observations support
 - Multiple POI (point-of-interest) and ROI (rectangle-of-interest) to study spatial features
 - Interactive map isocurves generation and profile cuts
 - Distance measurements between map pixels in different units
 - Spectral line identification, markers and relative wavelength scale
 - Configuration and export of plots
 - Included help menu
 - Sessions
- Available through SDC: <https://gitlab.leibniz-kis.de/sdc/gris/grisview>
- Currently in beta version, feedback is welcome by the author [Taras Yakobchuk](#)



Resources

Feel free to be one of the first to browse our freshly launched Data Center resources:

- SDC landing page: <https://sdc.leibniz-kis.de>
- Web archive: <https://archive.sdc.leibniz-kis.de>
- Helpdesk link: <https://leibniz-kis.atlassian.net/servicedesk/customer/portal/3>
- Public tools: <https://gitlab.leibniz-kis.de/sdc>
- Data inspection tool grisview: <https://gitlab.leibniz-kis.de/sdc/gris/grisview>