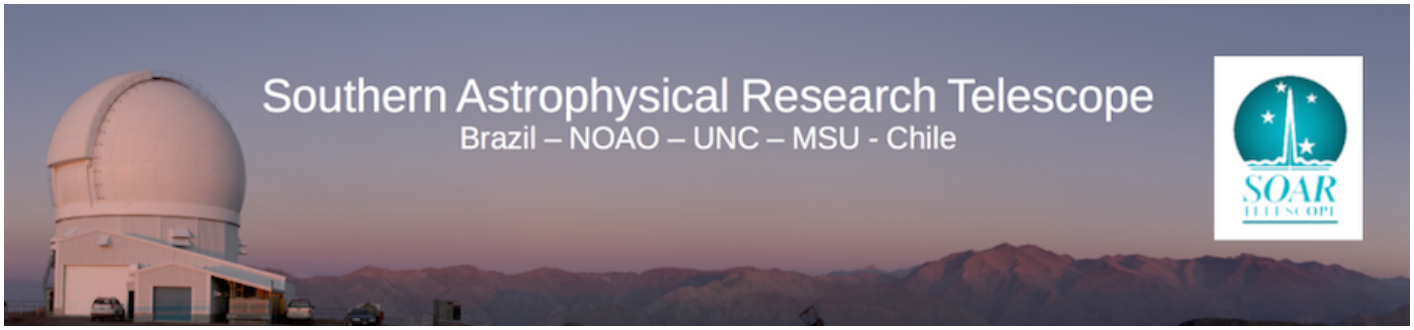
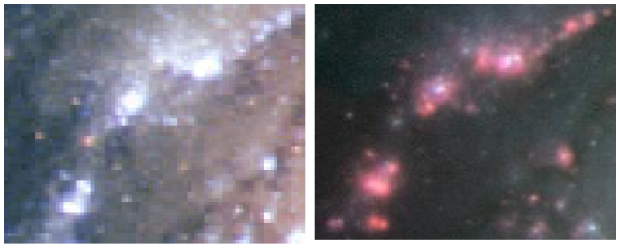


Published on *SOAR* (http://www.ctio.noirlab.edu/soar)

Reducing your SOAR data

- **Imaging/Photometry**
  - Reducing SOI optical images [1]
  - Reducing SAM optical images [2]
  - Reducing Goodman Spectrograph optical imaging data **(NEW - 30 Apr 2018)** [3]
  - Reducing SPARTAN near-IR images



Comparison between color composite images of the NGC 1232 spiral galaxy, obtained with VLT (left) and with SAM (right). The gain in resolution provided by SAM is significant.

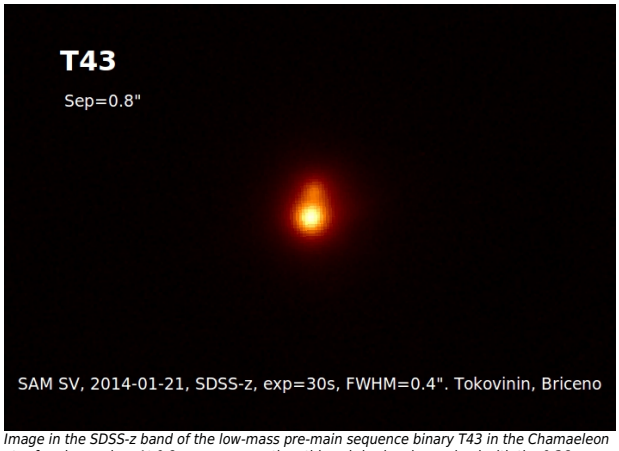
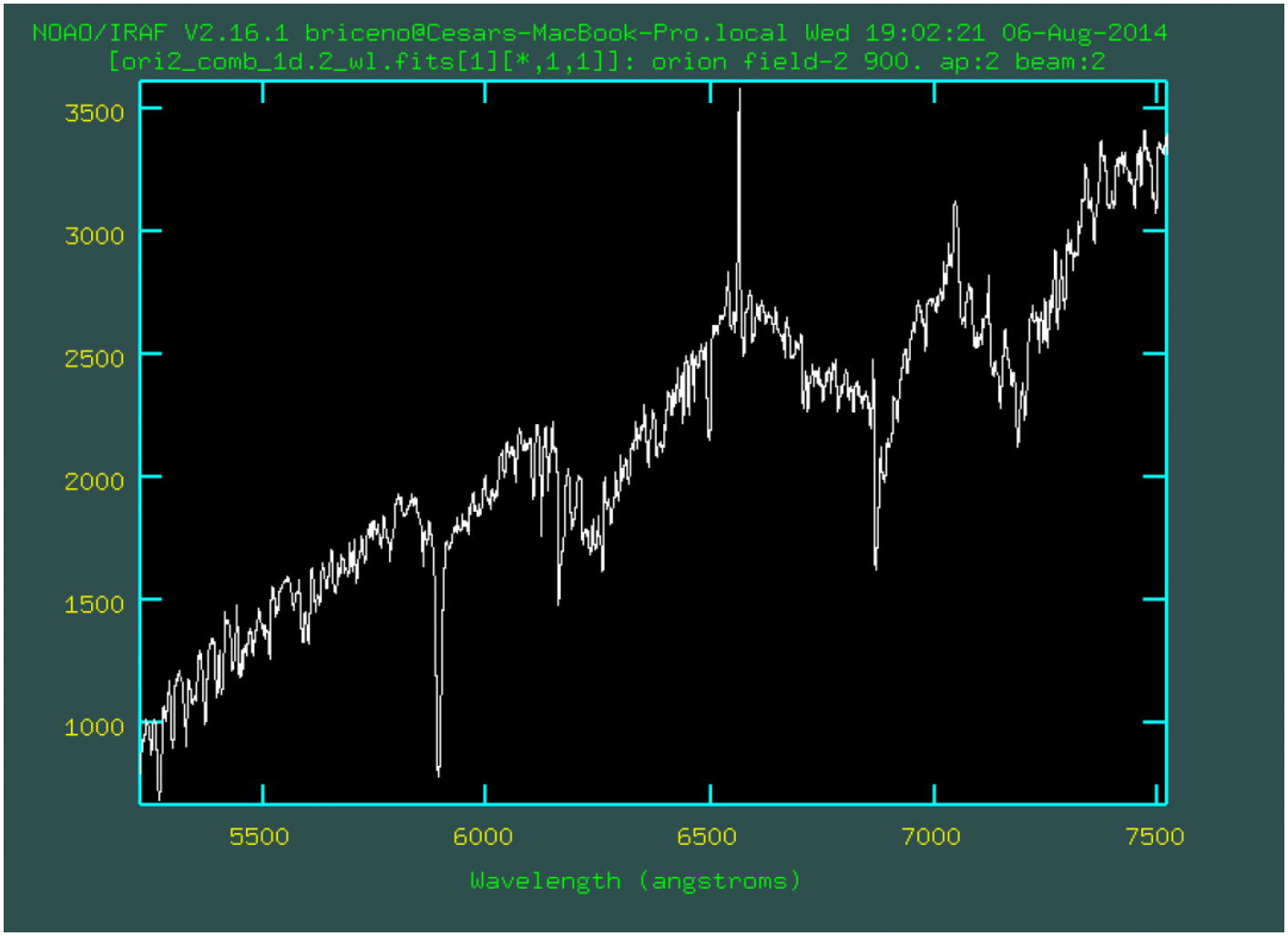


Image in the SDSS-z band of the low-mass pre-main sequence binary T43 in the Chamaeleon star forming region. At 0.8 arcsec separation, this pair is cleanly resolved with the 0.36 arcsec resolution delivered by SAM on that night



[4]

- **Spectroscopy**
  - Reducing Goodman Spectrograph single slit spectra **(NEW - 30 Apr 2018)** [3]
  - Reducing Goodman spectra in Multi-Object Slit (MOS) mode [5]
  - Multi-Object Slit Spectroscopy with the Goodman Spectrograph [4]

Goodman Spectrograph optical spectrum of a weak-lined T Tauri star in the Orion OB1 association. Obtained with the 400 gpm grating in its red setup.

Source URL: http://www.ctio.noirlab.edu/soar/content/reducing-your-soar-data

Links
[1] http://www.ctio.noirlab.edu/soar/content/soi-image-reduction
[2] http://www.ctio.noirlab.edu/soar/content/reducing-your-sam-images
[3] http://www.ctio.noirlab.edu/soar/content/goodman-data-reduction-pipeline
[4] http://www.ctio.noirlab.edu/soar/sites/default/files/images/mos_with_goodman.pdf
[5] http://www.ctio.noirlab.edu/soar/sites/default/files/documents/Instruments/Goodman/mos_data_reduction_with_goodman.pdf