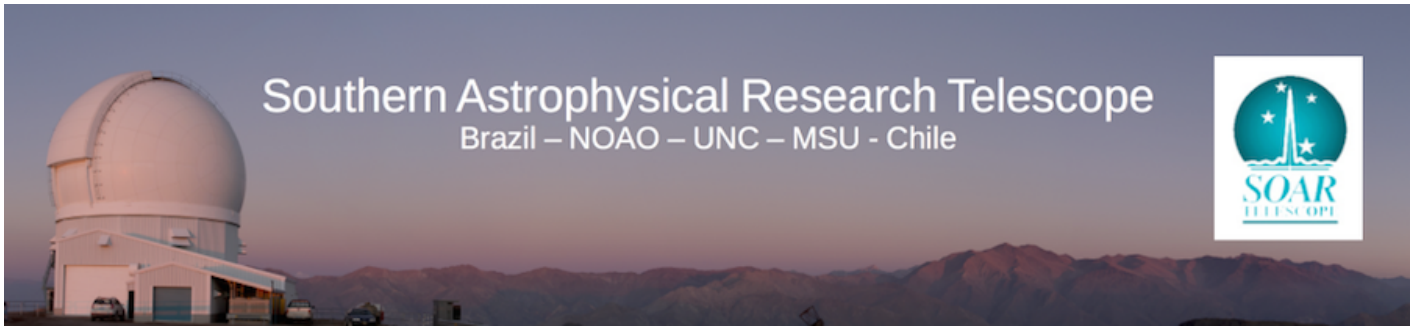

Published on *SOAR* (http://www.ctio.noirlab.edu/soar)

Running on SOAR Server

SOAR has a dedicated machine with the most recent version of the pipeline that can be accessed by observers. This machine can only be accessed via VNC (Virtual Network Computing) from within the observatory's network. The network can be reached using VPN (Virtual Private Network) or accessing any computer within the observatory.

The credentials for the VPN connections must be provided by your support scientist. The same person who supported you during your observing night.

The information to access the SOAR VNC machine will be only provided by audio using Skype or similar. Please, contact us [1] to request the access information.

Once you have access to the VNC machine, you can open a terminal by clicking the proper icon. The terminal will open and the Python Virtual Environment for the pipeline will be activated. You will have to access the home folder of the SOAR partner institute that you are associated with, where you can create a folder for your appropriate observation date(s). Enter that folder and copy your data to it. Once done, run `redccd` to perform the CCD standard corrections (BIAS subtraction, Flat normalization, Cosmic Ray rejection). The reduced data will be stored in the `<path-to-your-data>/RED` folder.

If your data was obtained in imaging mode, you are done. If your data was obtained in spectroscopic mode, you may want to have the spectra extracted and wavelength calibrated. That is done using `redspec`. For now, only a few modes are completely supported (see About [2]). The non-supported modes will not have wavelength calibration. Go to the `<path-to-your-data>/RED` folder and run the `redspec` command.

Please, check the Goodman Data-Reduction Pipeline User Manual [3] or the Run the Pipeline [4] page for more details.

See Also

Before sending any question, make sure you reviewed all the links below.

- SOAR Remote Observer Guide [5]

Source URL: http://www.ctio.noirlab.edu/soar/content/running-soar-server

Links
[1] http://www.ctio.noirlab.edu/soar/content/contact-goodman-drp
[2] http://www.ctio.noirlab.edu/soar/content/about-goodman-data-reduction-pipeline
[3] https://github.com/soar-telescope/goodman/blob/master/user_manual_v1.0.0.pdf
[4] http://www.ctio.noirlab.edu/soar/content/running-pipeline
[5] http://www.ctio.noirlab.edu/soar/content/soar-remote-observers-guide