



CSA Perspective

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News/updates

- Happy about FGS and NIRISS performance!
 - Excellent guiding performance and FGS ops team working hard at improving guiding statistics.
- NIRISS
 - Great results are coming out from ERS, GTO and GO projects!
 - Congratulations to the ops team for recovery from recent anomaly in January.
- Good participation of Canadian community in Cycle 2
 - Statistics could be improved but proposals from all over Canada.

Programmatic activities at CSA

- Science support contribution agreement with science team (U de Montréal) in place.
 - Community support
 - NIRISS pipeline improvements
 - Public outreach
- CSA staffing at STScI in process (with NRC).
- CSA AOs for JWST grant funding (Cycles 2 through 5).
- Engineering support contract in place.
- Lessons learned / phase D closure meetings

Science team

- Science team coordination (monthly meeting, planning and execution of GTO projects).
 - Several papers in preparation for NEAT and CANUCS projects.
- Continuing improvements of software tools for NIRISS SOSS and AMI modes (image simulator, spectral trace/closure phase extraction, light curve analysis).
- NIRISS instruments papers submitted publication (modes descriptions, simulations).
 - One publication for each mode, SOSS, AMI, WFSS, one NIRISS overview, and one FGS overview (target date for publication before start of operations)
- Commissioning / wrapping up analysis and various reports
- Public outreach, media exposure
 - FGS/NIRISS PI, René Doyon: Scientifique de l'année (Radio-Canada)!

Mission Support

- To maintain CSA-funded astronomers at STScI during mission.
- To provide long-term provide engineering support.
 - Bad pixel maps updates, ID parameters optimization, anomaly resolution, FSW maintenance.
- To continue supporting the Canadian science team to maximize science return of JWST.
- JWST grants program.

JWST Canadian mirror archive

- CSA is funding CADC to establish a JWST mirror archive in Canada.
 - Synchronization of metadata and public data files successfully operating since ERO release.
- A JWST Science Platform on CANFAR cloud infrastructure allows JWST users to process and analyze datasets with Jupyter notebooks and visualization tools.
 - The platform is operational and in use by a several JWST teams
 - Over 30 JWST users of CANFAR Science Portal.



Thank you!

Canadian Space Agency



Agence spatiale canadienne