



# CSA Perspective

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# Programmatic activities at CSA

- Extension of science support contract with science team (U de Montréal) for new launch date (done).
- IMOU with CADC to be extended including support for a mirror archive (Canadian Astronomy Data Center).
- OPS-JPIP approved in December.
- Extension for Memorandum of Understanding (MOU) with the National Research Council (NRC) (funding of CSA scientists at STScl) done (now working on extension during the mission phase).
- CSA Cycle 1 grant funding moving forward with grants to be issued before end of March 2022.
- Ongoing preparation for final approval of operations support plan (including science & engineering support and grant funding beyond cycle 1).

# Science / Commissioning activities

- Science team coordination (monthly meeting, planning for GTO projects).
- Development of software tools for NIRISS SOSS and AMI modes (image simulator, spectral trace/closure phase extraction, light curve analysis).
- Publications about the FGS and NIRISS in preparation for the general community (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 support with a continual presence (24/7) (NASA/STScI Honeywell, CSA & U de Montréal).

# Support during mission

- Working on approval of Phase E plan.
- Plan is
  - To maintain CSA-funded astronomers at STScI during mission
  - To maintain engineering support
  - To continue supporting the Canadian science team to maximize science return of JWST
  - To establish a JWST grants program for the duration of the mission

# JWST Canadian mirror archive

- CSA is funding CADC to establish a JWST mirror archive in Canada.
  - The Canadian mirror has been tested and commissioning metadata is now flowing into the archive.
  - Only non-exclusive access data to be hosted.
  - No commissioning files transferred to Canada.
- 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 with more to come soon.



**Thank you!**

# Canadian Space Agency



# Agence spatiale canadienne