

OFE Omni
Secondary Mirror Support Structure
Frill

Secondary Mirror Assembly
Secondary Mirror
18 Segment Primary Mirror
Aft Optics Subsystem

James Webb Space Telescope

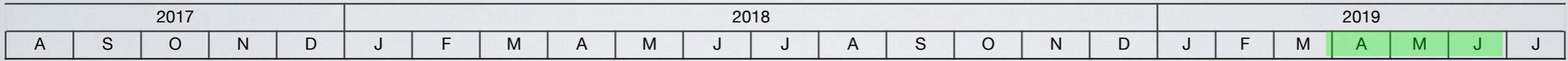
Stationkeeping SCAT Thrusters
Spacecraft Bus Radiation Shades
-J2 Equipment Panel
Star Trackers
Spacecraft Omni
LV Adapter Ring
Gimballed Antenna Assembly

Sunshield Layer 5
Forward Spreader Bars
Sunshield Layer 1
Forward UPS Assembly
Mid Boom
Mid Spreader Bar
Membrane Tensioning System
Spacecraft Bus

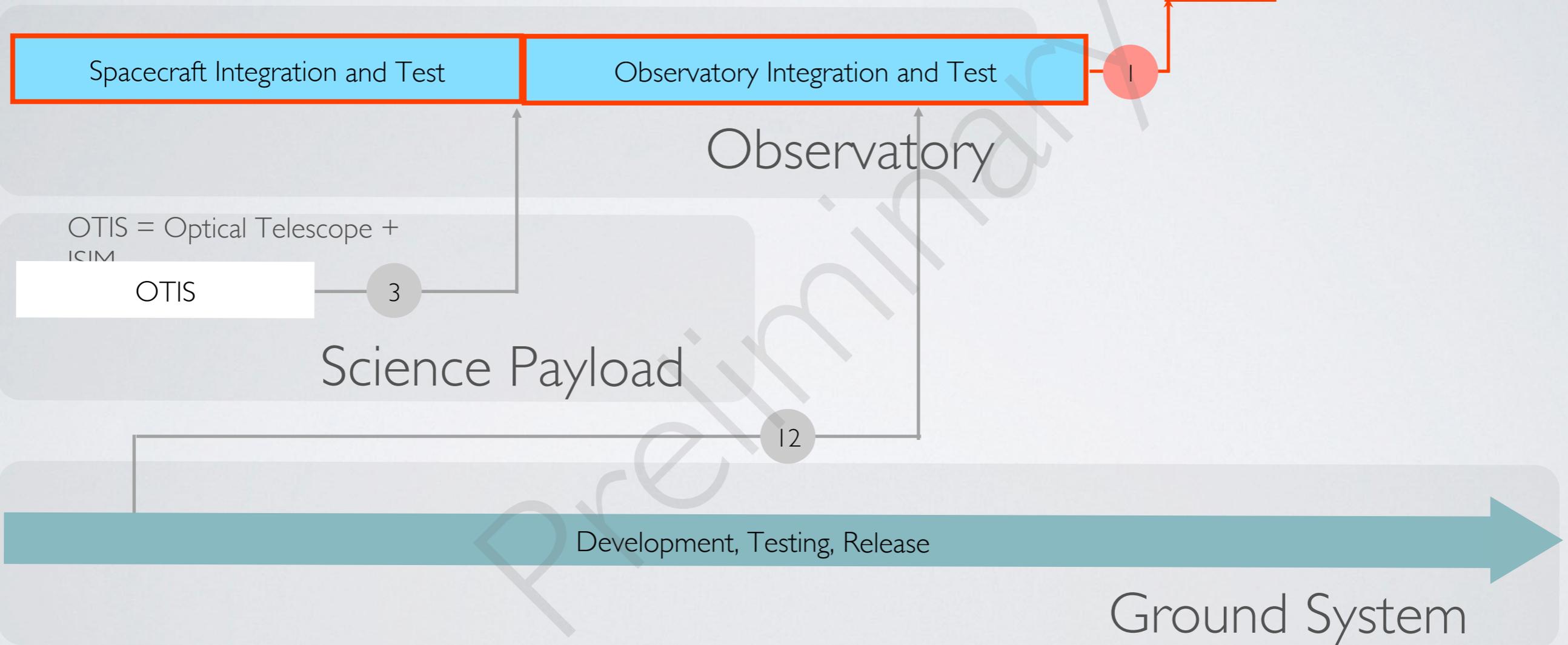
October 18, 2017

Eric P. Smith
JWST Program Director/Program Scientist

SIMPLIFIED SCHEDULE



k months of project funded critical path (mission pacing) schedule reserve



S&OC SUBSYSTEMS

Subsystem	Build	Development completion date	I&T completion date	Status	% of requirements delivered to date	% of requirements verified to date
Data Management Subsystem (DMS)	7	December 2016	June 2017	Completed I&T	89%	80%
	7.1	November 2017	February 2018	In Development		
Proposal Planning Subsystem (PPS)	14	December 2016	June 2017	Completed I&T	97%	91%
	14.1	June 2017	December 2017	Completed Development		
	14.2	November 2017	January 2018	In Development		
Wavefront Sensing & Control (WFS&C) Software Subsystem	6.1	December 2017	February 2018	In Development	97%	97%
Flight Operations Subsystem (FOS)	6.0.5	June 2017	July 2017	Completed I&T	83%	80%
	6.1	November 2017	December 2017	In Development		
Operations Scripts Subsystem (OSS)	6	March 2017	November 2017	In Level 2 Certification Testing	73% Level 2 certified	58% Level 3 certified
	7	October 2017	March 2018	In Development		
Project Reference Database Subsystem (PRDS)	4.13	April 2017	April 2017	Sustaining Engineering Release	100%	100%
	4.14	May 2017	May 2017	Sustaining Engineering Release		

OTIS

2017/10/16 09:52:01 CDT

Chamber Temperature*

65.930°F

18.850°C 292.000 K

Houston Temperature

66.020°F

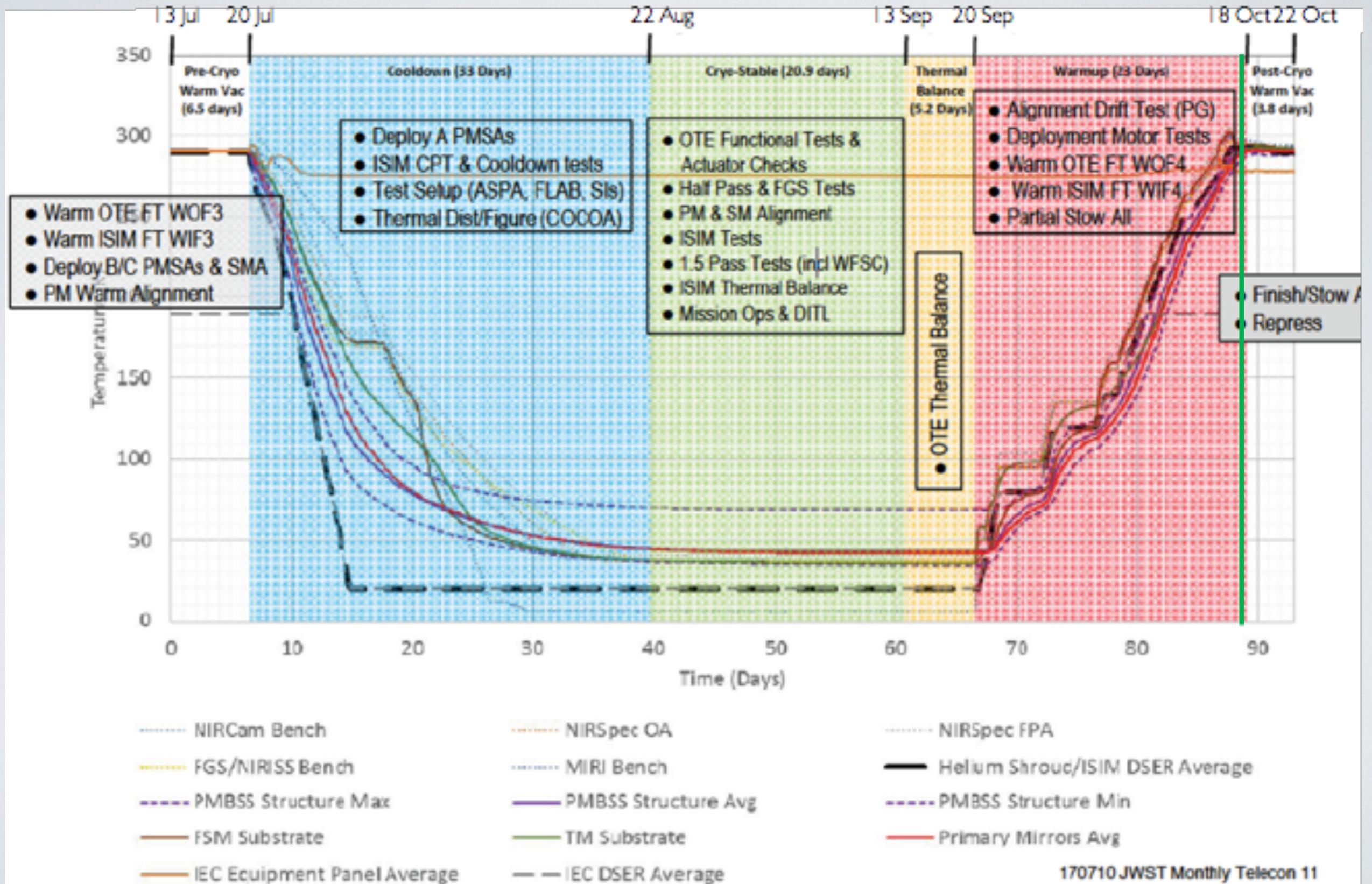
18.900°C 292.050 K

Chamber Temperature is STEADY at 292K.

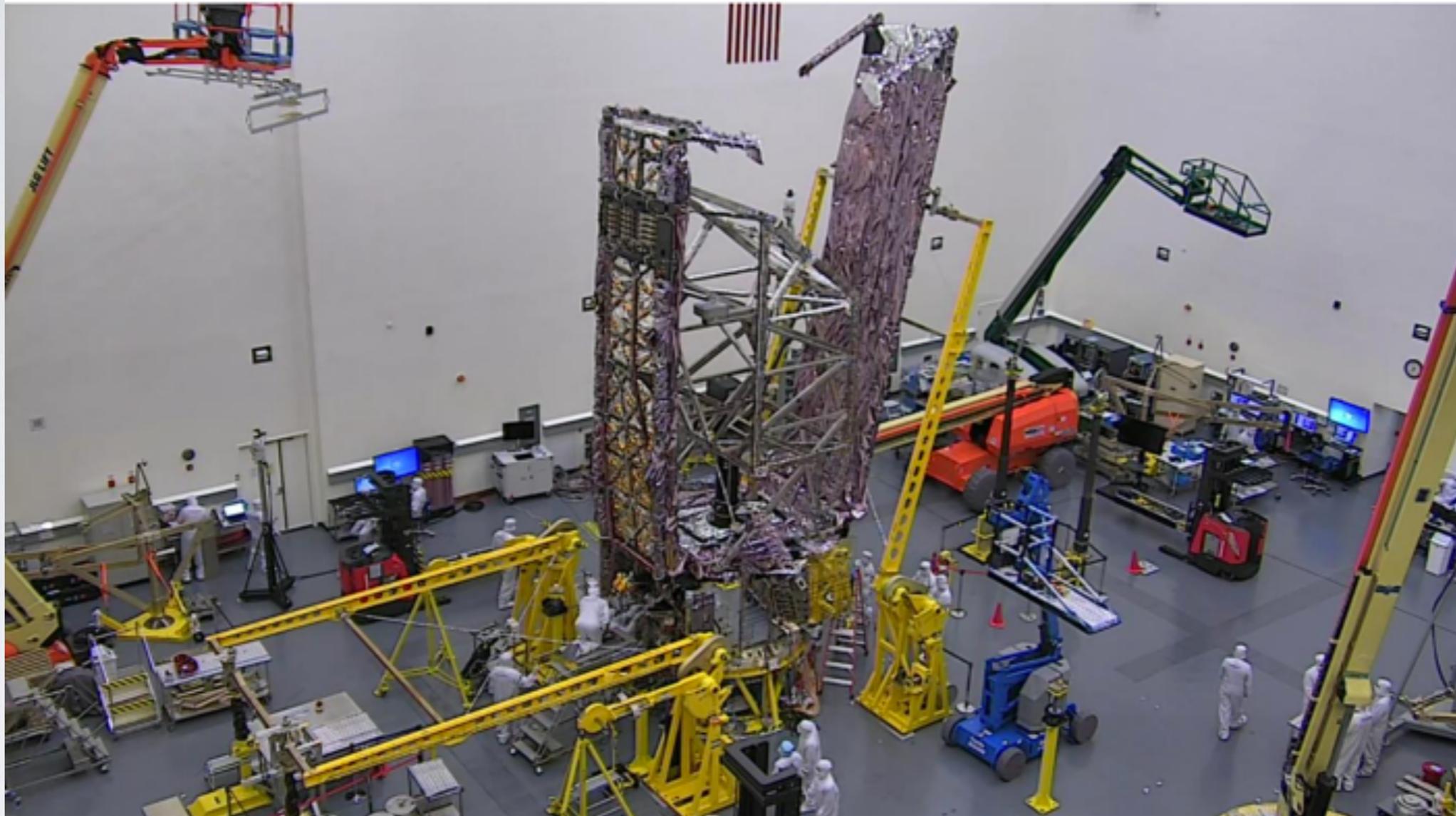
Chamber Temperature is approximated based on chamber test parameters. The temperature displayed is the average helium shroud temp.

[Diagram of JWST in the thermal vacuum Chamber A](#) | [Photos of JWST and the NASA/JSC Chamber A](#)

OTIS TEST TIMELINE



SPACECRAFT ELEMENT



Stowing to launch configuration prior to deployment testing

DEPLOYMENT TESTING

- ☑ Aft and Forward Unitized Pallet Structures
- ☑ All Membrane Release Devices
- ☑ Aft and Forward Membrane Covers
- ☑ Mid-boom deployment
- Core deployment and membrane tensioning

REMAINING ACTIVITIES

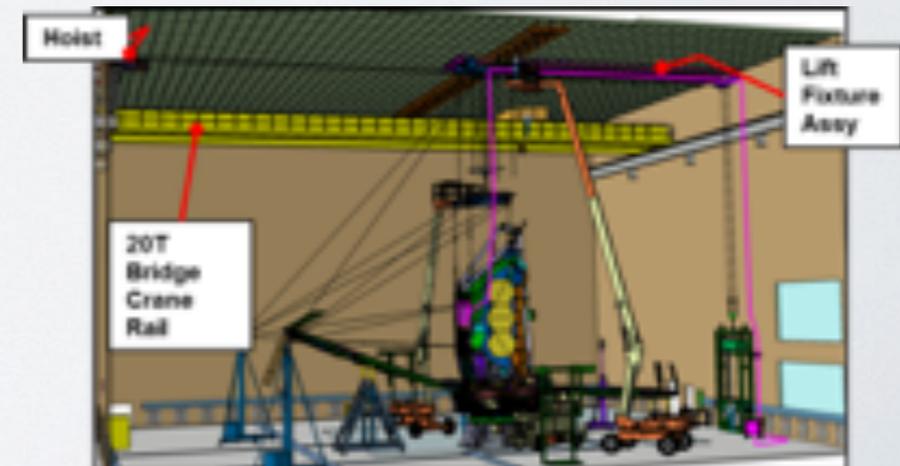
- ☑ OTIS Cryovacuum testing
- OTIS Deployments at NGAS



- ☑ Spacecraft Integration
- ☑ Sunshield (SS) Skeleton Deployments
- ☑ SS Integration
- ☑ Spacecraft Element (SCE) Electrical test
- ☑ SS Fold, Stow, and Configuration for Flight
 - SS Pre-Environmental Deploy, Fold, and Stow
 - SCE Acoustics, Vibe, and Thermal Vacuum test
 - Post-Environmental SS Deploy & Test

Observatory Integration

- Observatory Electrical Test
- Pre-Environmental Observatory Deployment
- Observatory Vibration, Acoustics
- Observatory Deployment (all deployments retested)



HQ WATCH LIST

- FY 18/19 budget reserves
 - FY18 is a year of significant integration and test activities, where UFE likely to be needed to address any issues that arise
 - OTIS cryovac testing proceeding according to cost plan
 - NGAS workforce remains high, not rolling off according to current plan
 - Change in launch window will consume much of FY18/19 budget reserves
- Based on JWST schedule risk assessment, launch readiness date changed from Oct 31, 2018 to a window of March 31
 - June 30, 2019, in coordination with ESA (additional coordination performed by ESA with Arianespace)
 - After change in launch readiness date, and after consumption of schedule reserve due to liens noted in previous FPRs, new critical path schedule reserve is 4 months
 - Schedule is preliminary, pending further schedule information from NGAS, and project assessment of that information.
 - Critical path goes through spacecraft element (spacecraft bus and sunshield) and observatory I&T.
 - Schedule impact of monopropellant thruster valve leakage resolution will be determined after resolution path determined.
- Propulsion subsystem - Leaks in small monopropellant thruster valves, all 16 valves removed from spacecraft, will require replacement or rework. Options for reattachment also being evaluated.
- OTIS 18 Hz mode – Design, manufacturing, installation of particle dampers on aft optics assembly after cryovacuum testing

Fiscal Year 2017 JWST HQ Milestones

Month	Milestone	FY2016 Deferral	Comment
Oct-16	1 Complete portable clean room for Telescope and Science Instruments (OTIS)		<u>Completed 10/13/16</u>
	2 Complete final checkout of new shaker tables at Goddard Space Flight Center		• <u>Completed 10/13/16</u>
	3 Begin making electrical connections between spacecraft panels		<u>Completed 10/7/16</u>
	4 Complete Sunshield Mid-Boom Assembly #2 functional test		• <u>Completed 12/5/16</u>
Nov-16	5 Start optical measurements of OTIS prior to vibration and acoustic tests		<u>Completed 10/24/16</u>
	6 Deliver Science and Operations Center release 1		<u>Completed 9/30/16</u>
	7 Perform Cryocooler installation into the spacecraft bus and begin functional testing		<u>Completed 10/29/16</u>
	8 Complete Aft Unitized Pallet Structure assembly	•	<u>Completed 10/29/16</u>
	9 Deliver Aft Unitized Pallet Structure to Observatory I&T	•	<u>Completed 3/14/17</u>
Dec-16	10 Deliver Forward Sunshield Pallet Structure to Observatory Integration and Test (I&T)	•	<u>Completed 3/28/17</u>
	11 Start OTIS vibration and acoustic testing program		<u>Completed 11/19/16</u>
	12 Complete final test of engineering model of telescope center section at Johnson Space Center (JSC)		<u>Completed 10/31/16</u>
	13 Deliver sunshield flight membranes to Observatory I&T		<u>Completed 12/15/16</u>
Jan-17	14 Complete OTIS vibration and acoustics testing		<u>Completed 3/2/17</u>
	15 Deliver observing proposal and planning subsystem software build that supports launch		<u>Completed 1/12/17</u>
	16 Complete electrical testing of the spacecraft at Northrop-Grumman		<u>Completed 3/7/17</u>
Feb-17	17 Complete OTIS optical measurements after vibration and acoustic tests		<u>Completed 3/31/17</u>
	18 Deliver wavefront and control software that supports launch (controls telescope mirror shape)		<u>Completed 1/20/17</u>
	19 Deliver horizontal deployable radiators to Observatory I&T		<u>Completed 7/13/17</u>
Mar-17	20 Deliver OTIS to the Johnson Space Center		<u>Completed 5/7/17</u>
	21 Deliver the pre-launch Flight Operations System software build		<u>Completed 2/17/17</u>
	22 Delivery of sunshield extension boom #2 membrane attachment assembly to Observatory I&T		<u>Completed 4/24/17</u>

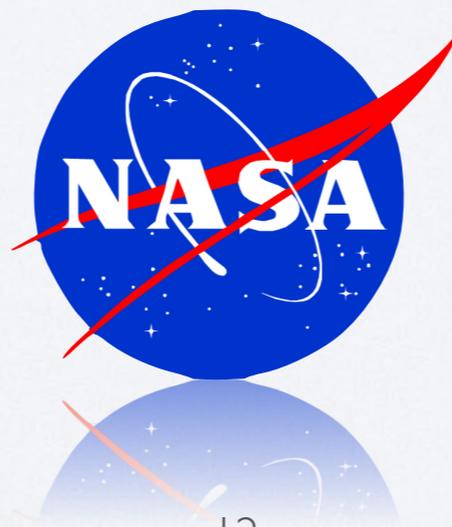
Blue font(underline) denotes milestones accomplished ahead of schedule, orange font denotes milestones accomplished late. "*" denotes 2016 milestones carried forward.

Fiscal Year 2017 JWST HQ Milestones

Month	Milestone	FY2016 Deferral	Comment
Apr-17	23 Conduct first test of the Ground System (communications and data handling)		Completed 6/20/17
	24 Install the deployable horizontal radiators onto the Observatory		Delayed to <u>October</u> for delays arising from release device installation
	25 Conduct the Observatory Deployment Review #2		Completed 6/13/17
May-17	26 Complete room temperature integration of OTIS and test equipment at JSC		Completed 7/13/17
	27 Conduct the Mission Operations Review		<u>Completed 4/7/17</u>
	28 Perform Spacecraft Acoustic Testing		Delayed to <u>October</u> for delays in spacecraft and sunshield I&T
Jun-17	29 Start OTIS thermal vacuum test At JSC Chamber A		Completed 7/13/17
	30 Deliver Operations Scripts Subsystem software build that supports launch		<u>Completed 3/30/17</u>
	31 Issue final release of call for proposals for Early Release Science Programs		<u>Completed 5/19/17</u>
	32 Begin spacecraft thermal vacuum test		Delayed to <u>December</u> for delays in spacecraft and sunshield I&T
Jul-17	33 Deliver vibration test results to support the combined analysis of the rocket and the observatory		Delayed to <u>December</u> for delays in spacecraft and sunshield I&T
	34 Conduct second Flight Operations Team Operational Readiness Exercise		<u>Completed 6/29/17</u>
Aug-17	35 Tension sunshield membranes while they are mounted on the spacecraft		Delayed to <u>February</u> for delays in spacecraft and sunshield I&T
	36 Deliver final report describing spacecraft influence on observatory optical alignment		Delayed to <u>October</u> for later OTIS test start
Sep-17	37 Complete OTIS thermal vacuum test		Delayed to <u>October</u> due to post environmental testing
	38 Deliver the results of the combined analysis of the rocket and the observatory		Delayed to <u>October</u> due to later completion of spacecraft element
Blue font(<u>underline</u>) denotes milestones accomplished ahead of schedule, orange font denotes milestones accomplished late. "*" denotes 2016 milestones carried forward.			

SUMMARY

- Program remains within replan budget, now planning for late Spring 2019 launch readiness date
- Science payload testing is almost complete, OTIS shipping to Northrop in December
- Remaining challenges will be in maintaining schedule during complex deployment and environmental testing of spacecraft and Observatory



JAMES WEBB SPACE TELESCOPE

Science and Operations Center (S&OC) Update



STScI



Nikole K. Lewis
STScI JWST Project Scientist
2017 October 18

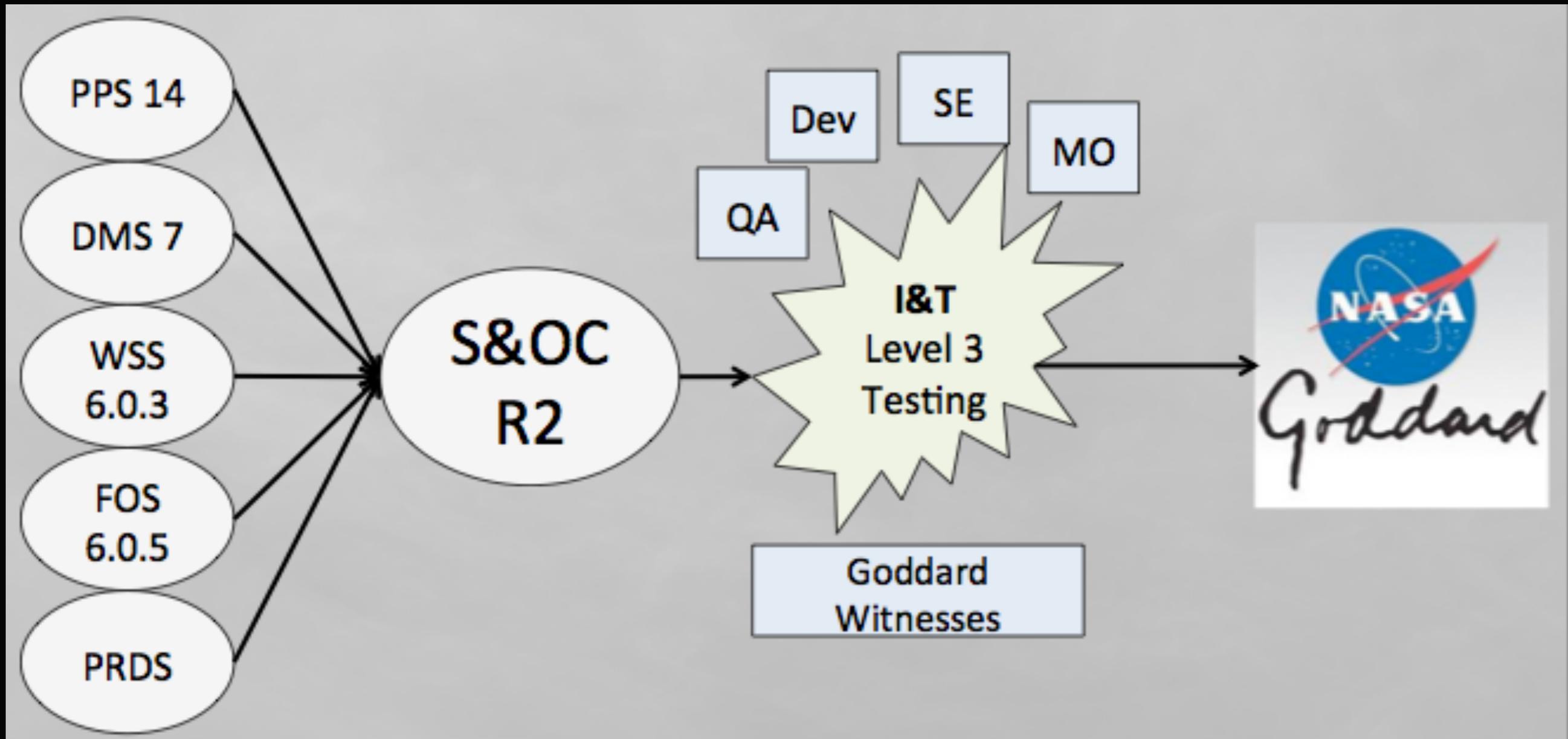
Recent Key JWST S&OC Events

- S&OC Release 2 Verified and Delivered, on track for timely delivery of flight build.
- JWST Cycle 1 Science Program Specifications/Proposals (GTO and DD ERS) solicited and received.
- Continued support of astronomical and public engagement and growth of JWST user support infrastructure



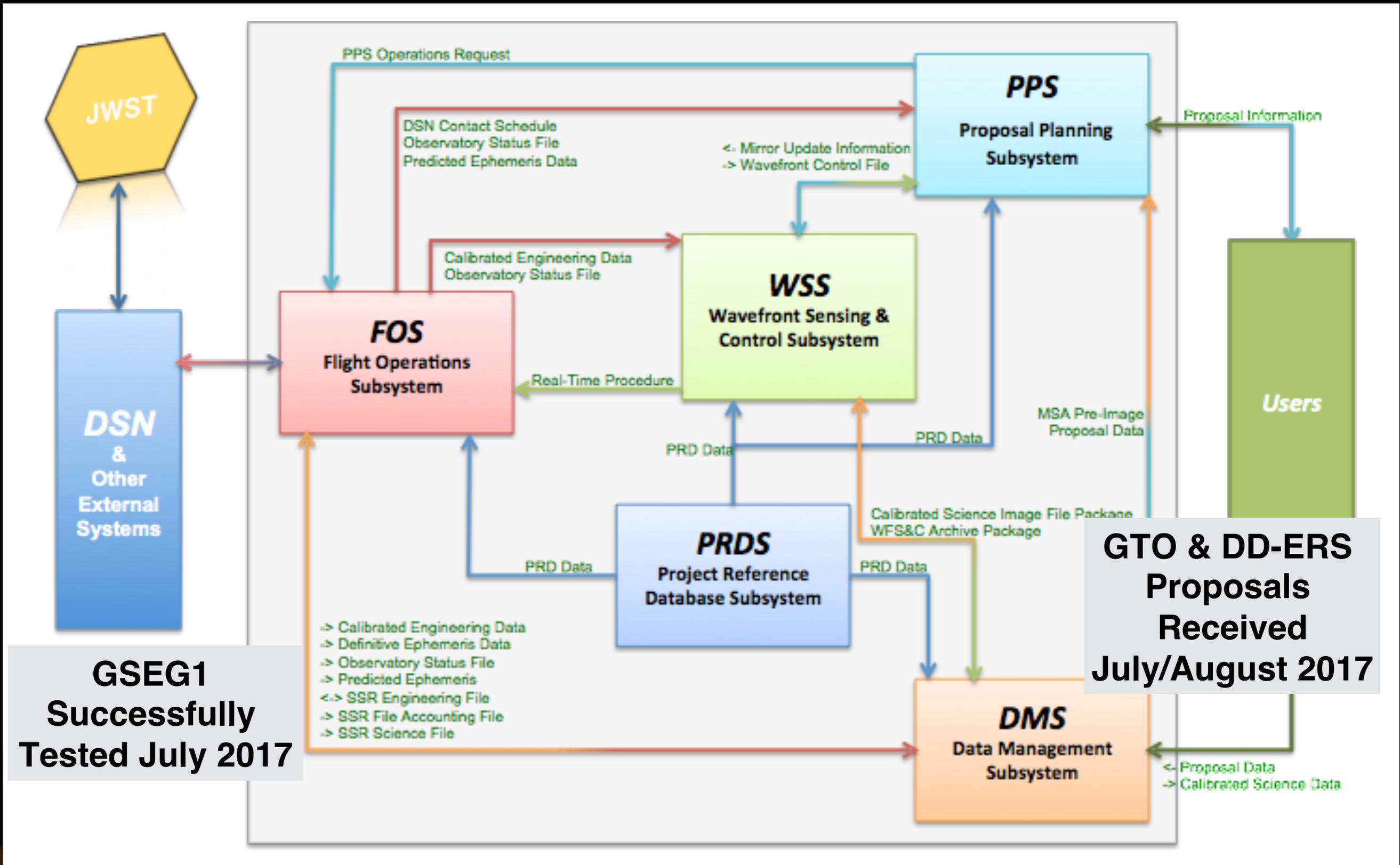
JWST MOC

S&OC Release 2



More than 100 S&OC requirements verified!

S&OC Release 2



The JWST Director's Discretionary Early Release Science (DD ERS) Program

STScI Director Ken Sembach will allocate ~500 hours of Director's Discretionary time for Early Release Science (DD-ERS) to

- accelerate the diffusion of JWST know-how, and*
- expand early opportunities for the community to gain experience with JWST data and scientific analysis.*

Early resources are allocated to support up to 15 teams. Proposals will be selected in research areas spanning the science themes of JWST :



*First Light &
Reionization*



*Assembly of
Galaxies*



*Birth of Stars &
Protoplanetary
Systems*

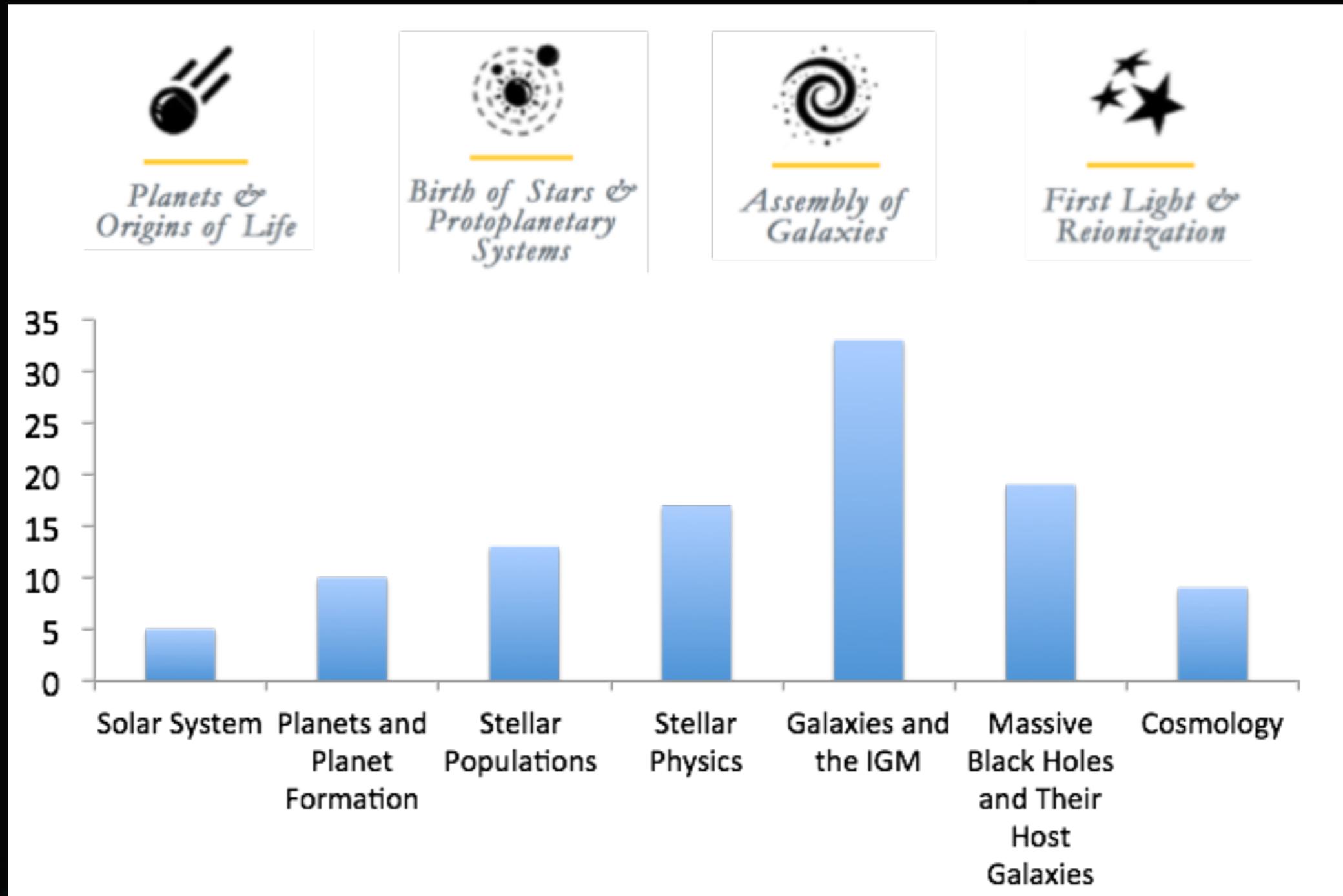


*Planets & Origins
of Life*



106 proposals to Director's Discretionary Early Release Science (DD ERS) program received! TAC met in early October 2017. Results announced November 2017.

The JWST Director's Discretionary Early Release Science (DD ERS) Program



TAC convened as four panels (2 Galactic and 2 Extragalactic)
No fixed quota for proposal selection from each panel

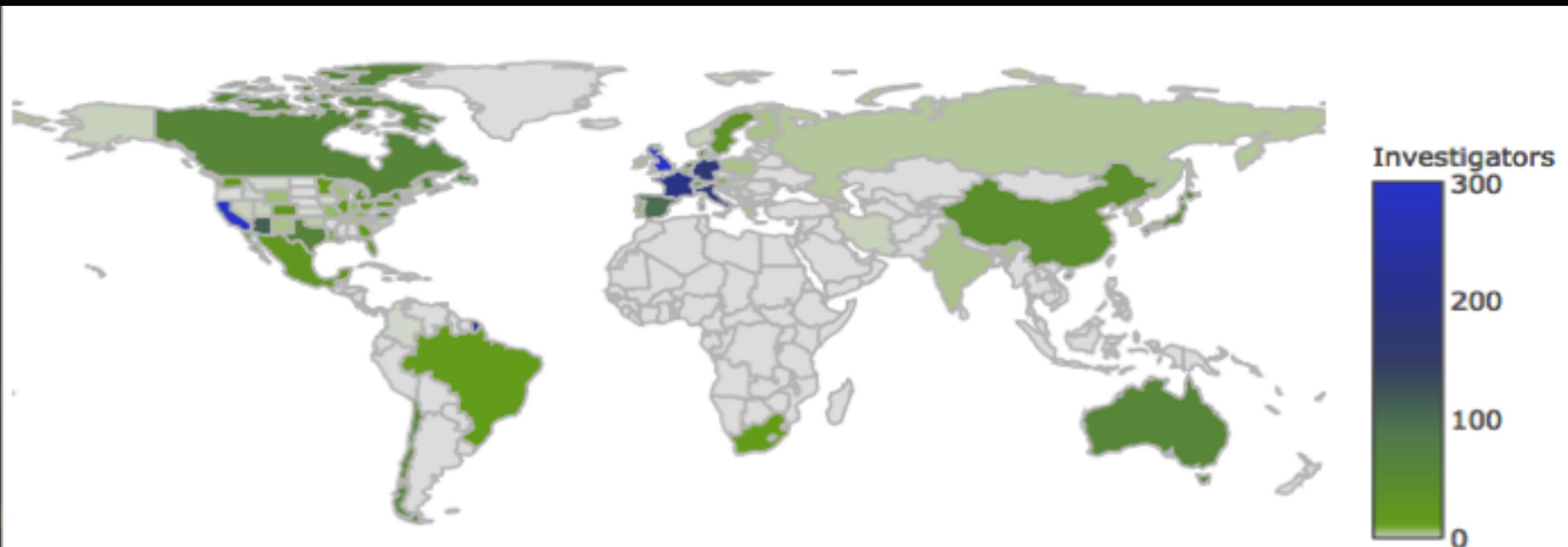
The JWST Director's Discretionary Early Release Science (DD ERS) Program

Instrument	Instrument Prime Usage	Instrument Prime + Coordinated Parallel Usage
MIRI	31.3%	30.0%
NIRCam	29.8%	33.0%
NIRISS	3.8%	5.6%
NIRSpec	35.1%	31.4%
	100%	100%

Wide Range of Observing Modes Requested!

The JWST Director's Discretionary Early Release Science (DD ERS) Program

Principal Investigators (PI) and Co-Principal Investigators (Co-PI) are based in 15 countries, with representation including Co-Investigators (Co-I) and Collaborators from 38 countries, 43 U.S. states, and 1 U.S. territory. Average 28 scientists per team (largest team had 138 members)



JWST Calls for Proposals

<https://jwst-docs.stsci.edu/display/JSP/JWST+Cycle+1+Proposal+Opportunities>

JWST Opportunities and Policies

JWST Cycle 1 Proposal Opportunities

The James Webb Space Telescope will offer proposal opportunities for General Observers (GTO), and Early Release Science Programs (DD ERS) during JWST Cycle 1 observations will commence in Spring 2019, with Cycle 1 proposals due in 2017/2018.

We invite scientists to participate in the first cycle of investigations with the James Webb Space Telescope (JWST). JWST is an international collaboration between NASA, the European Space Agency (ESA), and the Canadian Space Agency (CSA). JWST is operated and managed by the Space Telescope Science Institute (STScI). The links below provide information, policies and instructions for proposing opportunities with JWST in Cycle 1.

- [General Observer \(GO\) and Archival Research \(AR\) Program \[PDF\]](#)
- [Director's Discretionary Early Release Science \(DD ERS\) Program](#)
 - [Call for Notices of Intent to propose](#)
 - [Call for Proposals \[PDF\]](#)
- [Guaranteed Time Observation \(GTO\) Program \[PDF\]](#)

Important Dates

Rows are color coded by opportunity, where red = GTO, green = DD ERS, and white = Cycle 1 GO

Release of the Cycle 1 Call for GTO Proposals	January 6, 2017
Release of the Cycle 1 Call for DD ERS Notices of Intent	January 6, 2017
DD ERS Letters of Intent due	March 3, 2017, 8pm ET
Cycle 1 GTO Science Descriptions and Observation Specifications due	April 1, 2017, 8pm ET
Release of the Cycle 1 Call for DD ERS Proposals	May 19, 2017
APT version 25.1 Released (with updated Cycle 1 overhead calculations)	June 1, 2017
GTO Observation Specifications Published (public)	June 15, 2017
APT version 25.2 Released (primarily HST updates)	June 21, 2017
GTO APT Technical Reviews and Revisions Begin	July 28, 2017
DD ERS Proposal Deadline	August 18, 2017, 8pm ET
DD ERS Results Released	November 2017
GTO APT Technical Reviews and Revisions Completed	November 15, 2017
APT version 25.4 Released (further updates for Cycle 1 GO Call)	November 20, 2017
Submissions of GTO APT proposals completed	November 30, 2017
Release of the Cycle 1 Call for GO Proposals	November 30, 2017
Formal DD ERS Budget Proposals	Early December 2017
GTO APT Files advertised (public)	December 15, 2017
DD ERS APT Files advertised (public)	December 2017
Cycle 1 GO Proposal Deadline	March 2, 2018

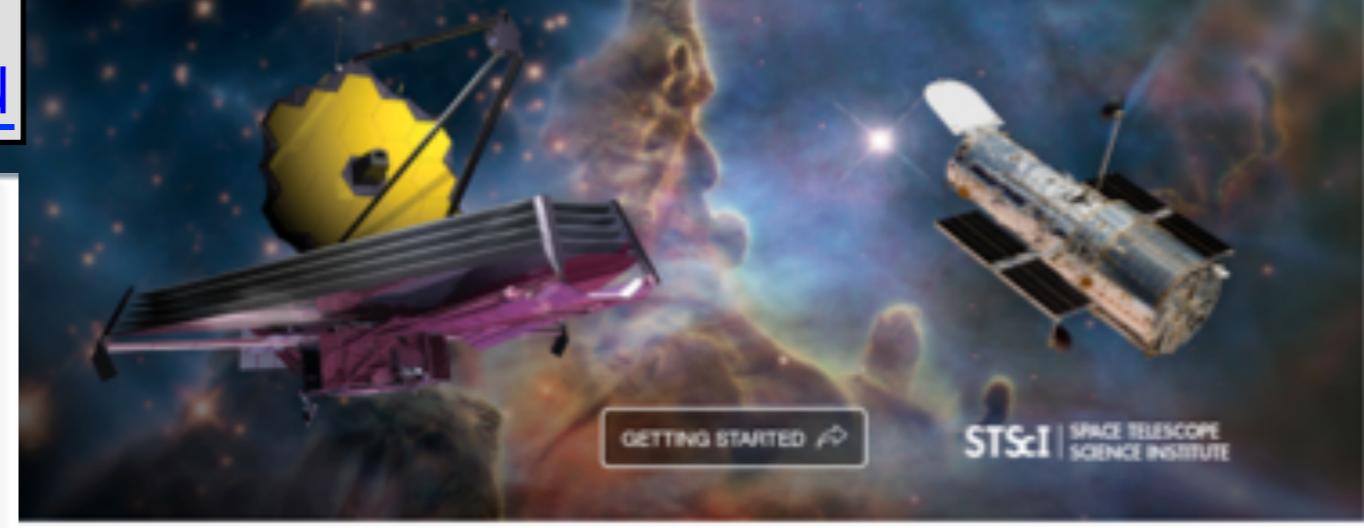
jwst-docs.stsci.edu -> More than 500 articles published!

User Tools Supporting DD ERS

APT 25.2

<http://apt.stsci.edu>

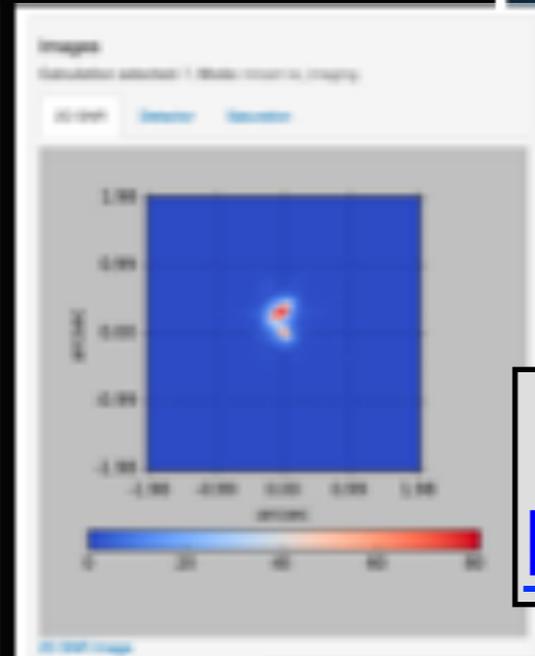
Astronomer's Proposal Tools
version 25



ETC WebApp

<https://jwst.etc.stsci.edu>

JWST ETC



STScI | JWST Help Desk

JWST Help Desk Portal

<https://jwsthelp.stsci.edu>

Welcome to the James Webb
Space Telescope Help Desk



Request a MyST Account

Please register to gain full access to the James Webb Space Telescope Help Desk. Without an account you may still search the knowledge base but you will not be able to submit requests or questions.



NASA's James Webb Space Telescope

Developed in partnership with ESA and CSA. Operated by AURA's Space Telescope Science Institute

JWST SCIENCE

NEWS & EVENTS

INSTRUMENTATION

SCIENCE PLANNING

DOCUMENTATION



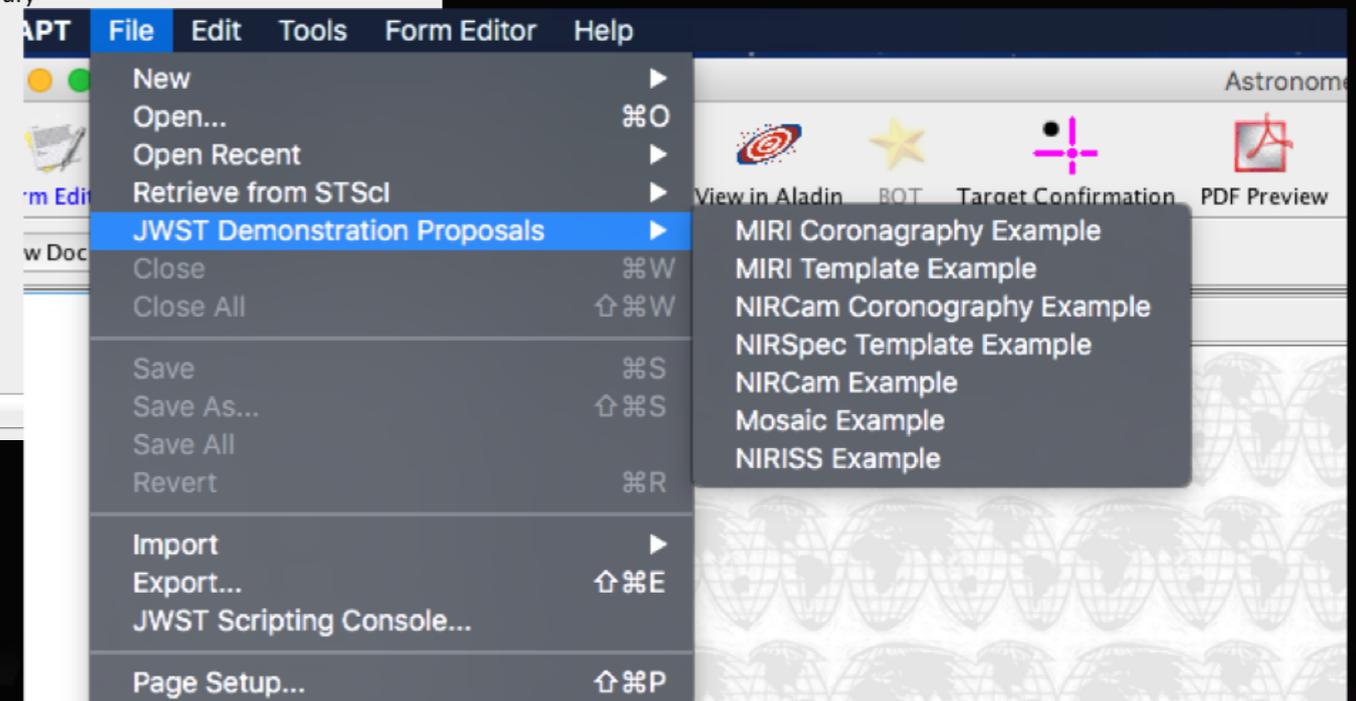
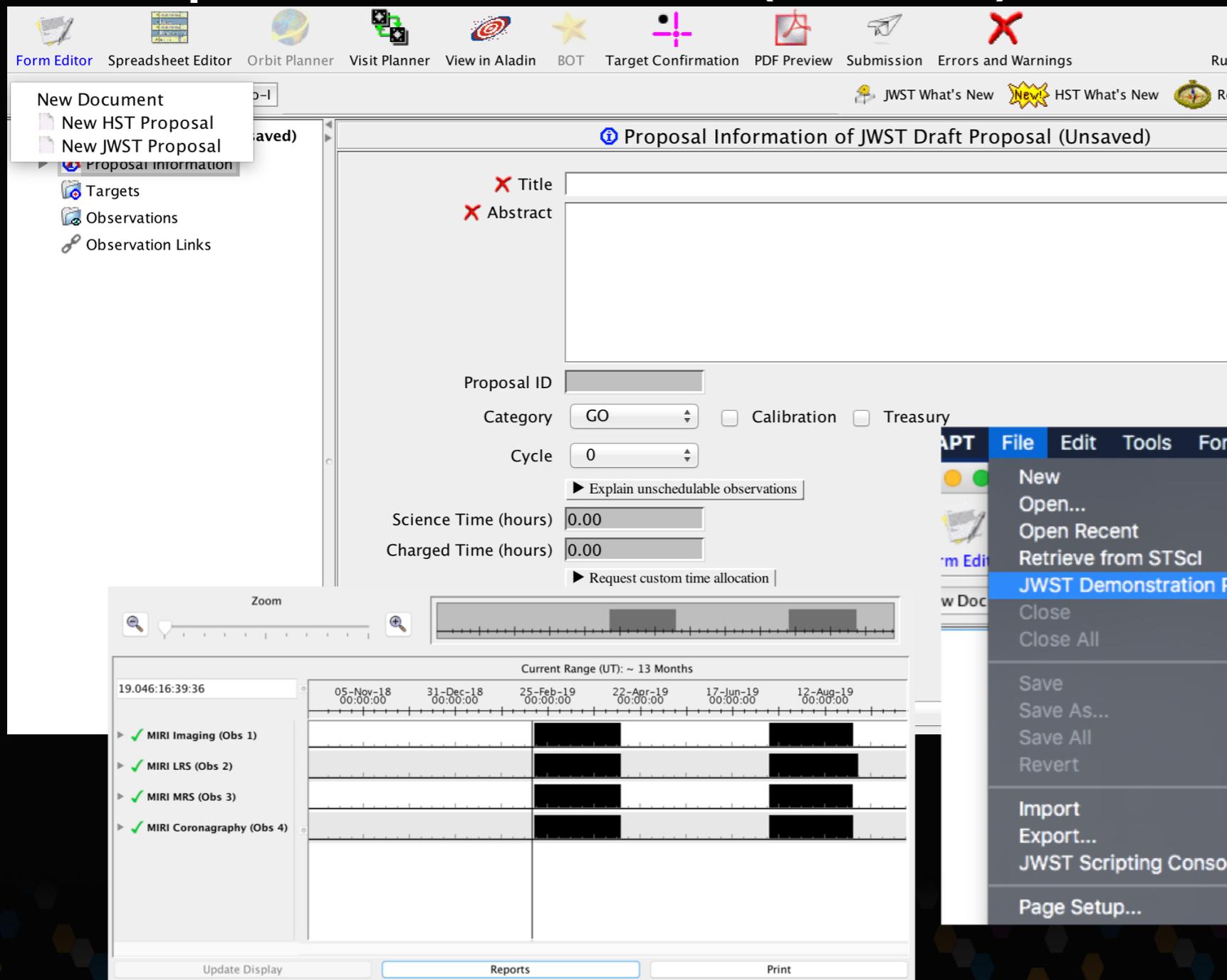
JWST Observer Website

<https://jwst.stsci.edu/>

The JWST Astronomer's Proposal Tool (APT)

Included in APT 25.2:

- All science observing modes
- NIRSpec MSA Planner
- Coordinated Parallel Observations
- Demonstration Proposals
- Target visibility and guide star availability
- and more!



Download Latest Version at <http://apt.stsci.edu>

JWST Exposure Time Calculator

Exposure Time Calculator Edit Expand Klaus Pontoppidan Help

Version 1.1

Calculation	Instrument	Filter/Dispenser	Wavelength (microns)	Exposure Time (seconds)	SNR	Status
9	niriss wfss		425.20	123.13		Warning
8	miri mrs		2497.50	240.46		Success
7	nirspec fixed_slit		1528.00	46.00		Success
4	nircam w/grism		1934.66	97.75		Success
3	niriss wfss		425.20	116.46		Success
2	miri lrsslitless		6.55	2.96		Success
1	miri mrs		3330.00	28.15		Warning

2: Normalize at wavelength
10 mJy Normalize in bandpass
0.00001 flam at

JWST HST Other

MIRI/IMAGING F560W
WFC3/IR F098M
Bessel H

Calculation selected: 1, Mode: miri mrs Reset Calculate

Images
Calculation selected: 1, Mode: miri mrs
2D SNR Detector Saturation

Cube Slice at Display Wavelength

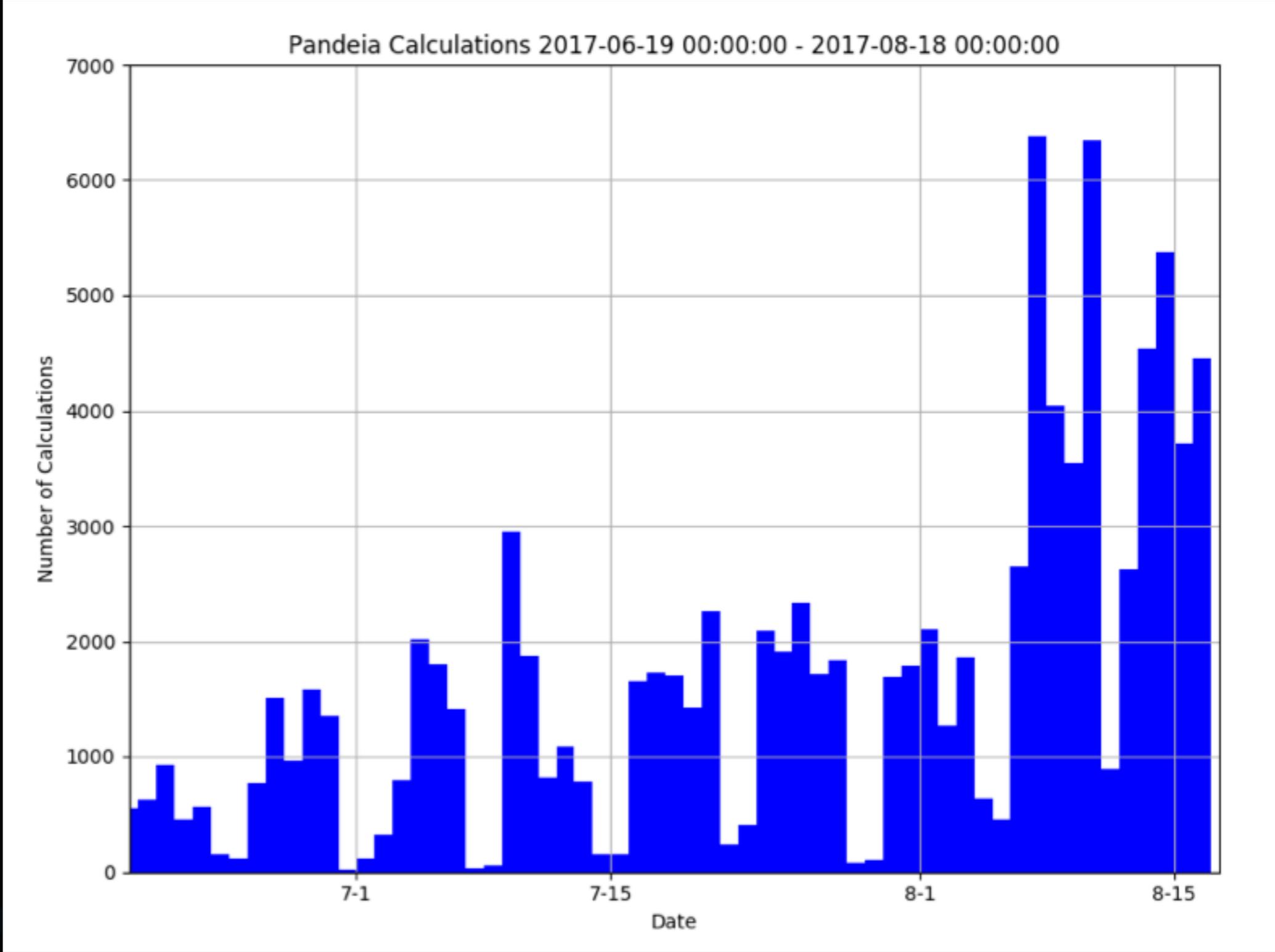
Signal to Noise

Reports
Calculation selected: 1, Mode: miri mrs
Report Warnings Errors Downloads

Instrument Filter/Dispenser:	null/long
Extraction Aperture Position (arcsec):	[0.00, 0.00]
Wavelength of Interest used to Calculate Scalar Values (microns):	26.00
Size of Extraction Aperture (arcsec):	1
Total Time Required for Observation (seconds):	6660.00
Total On-Source Time (seconds):	3330.00
Extracted Flux (e-/sec):	15.14
Variance in Extracted Flux (e-/sec):	0.54
Extracted Signal-to-Noise ratio:	28.15
Input Background Surface Brightness (MJy/sr):	1737.12
Total Background Flux in Extraction Aperture (e-/sec):	262.47
Sky Background Flux in Extraction Aperture (e-/sec):	262.47
Fraction of Total Background due to Signal From Scene:	0.00
Average Number of Cosmic Rays per Ramp:	0.04

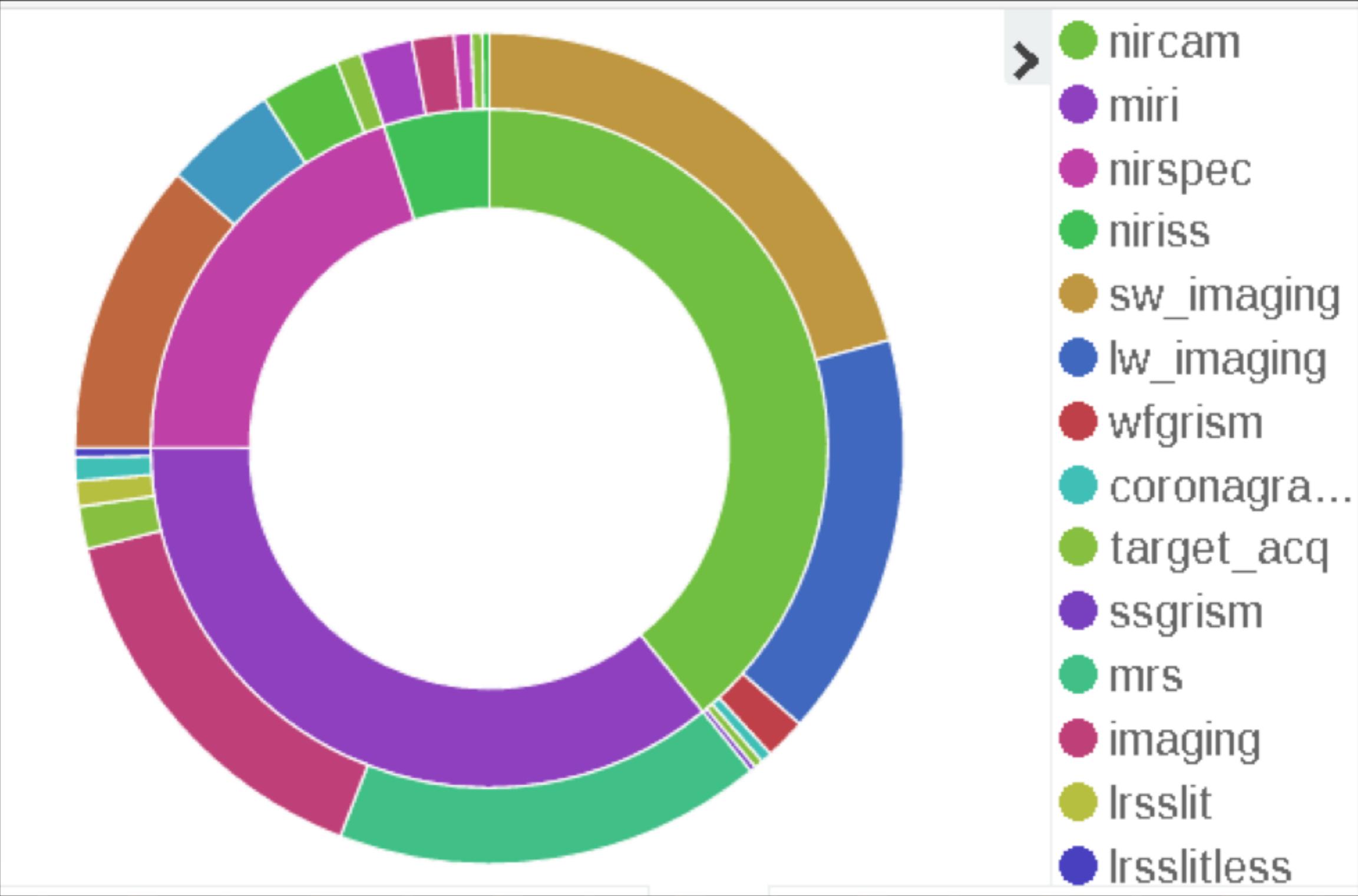
ETC engine also available:
<http://ssb.stsci.edu/pandeia/engine/1.1.1/>

JWST Exposure Time Calculator



JWST ETC usage in lead up to DD ERS proposal deadline

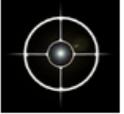
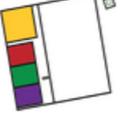
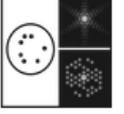
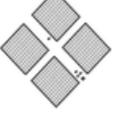
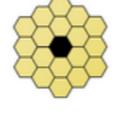
JWST Exposure Time Calculator



JWST ETC usage in lead up to DD ERS proposal deadline

JWST Help Desk

James Webb Help Desk

APT Support  Request assistance with the Astronomer's Proposal Tool (APT) View Details	ETC Support  Request assistance with the Exposure Time Calculator (ETC) View Details	JWST Science Policies  Request assistance for Science Policy Issues. View Details
MAST Services  Information about the MAST Archive View Details	MIRI Support  Request assistance with the Mid-Infrared Instrument (MIRI) View Details	NIRCam Support  Request assistance with the Near-Infrared Camera (NIRCam) View Details
NIRISS Support  Request assistance with the Near-Infrared Imager and Slitless Spectrograph (NIRISS) View Details	NIRSpec Support  Request assistance with the Near-Infrared Spectrograph (NIRSpec) View Details	Office of Public Outreach  Contact the STScI Office of Public Outreach about JWST View Details
Operations and Scheduling  Ask questions about scheduling and operations with JWST. View Details	Pipeline Support  Request assistance with the JWST pipeline View Details	WebbPSF / JWST Telescope  Request assistance with the WebbPSF tool or the Telescope optical system. View Details
JWST General Support  Request general JWST support for issues not covered by another category. View Details		

Welcome to the James Webb Space Telescope Help Desk

jwsthelphelp.stsci.edu

100+ help tickets received and resolved in week before DD ERS deadline

How can we help?

Search JWST Knowledge Base and Documentation System (JDOX)

 **Knowledge Base**
Browse and search JWST Knowledge Base and Documentation (JDOX)

 **Get Help**
Contact support to make a request, or report a problem

 **Community Forum**
Community-sourced answers to your questions

Online Resources

NASA's James Webb Space Telescope

Developed in partnership with ESA and CSA. Operated by AURA's Space Telescope Science Institute

PUBLIC

EDUCATORS

JWST SCIENCE

NEWS & EVENTS

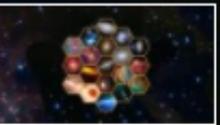
INSTRUMENTATION

SCIENCE PLANNING

DOCUMENTATION



For the astronomical community



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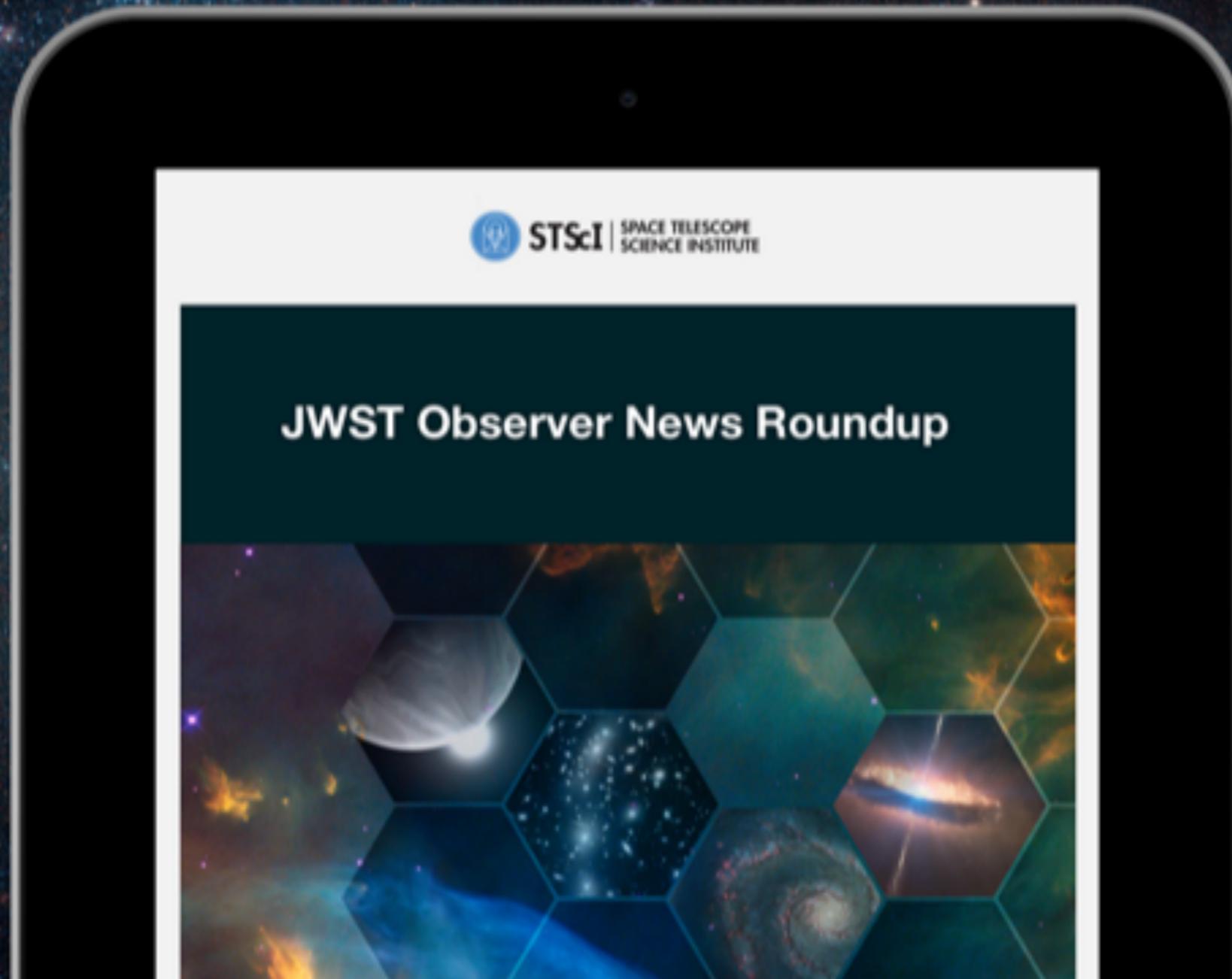


The NASA James Webb Space Telescope, developed in partnership with ESA and CSA, is operated by AURA's Space Telescope Science Institute.

jwst.stsci.edu

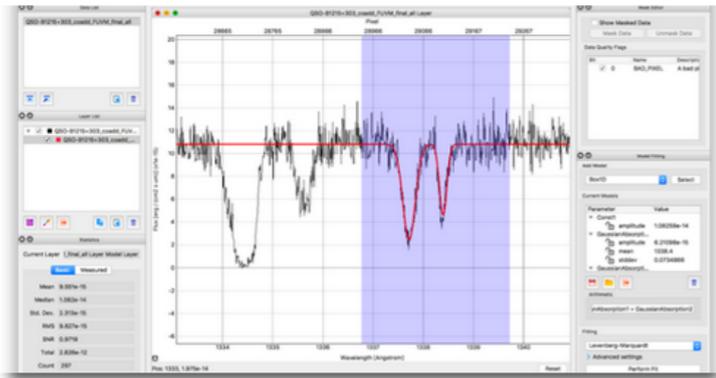
JWST Observer News & Events

Manage Subscription Options: profile.stsci.edu



Distributed via e-mail. Overview of JWST Observer News and Events (jwst.stsci.edu/news-events/news)

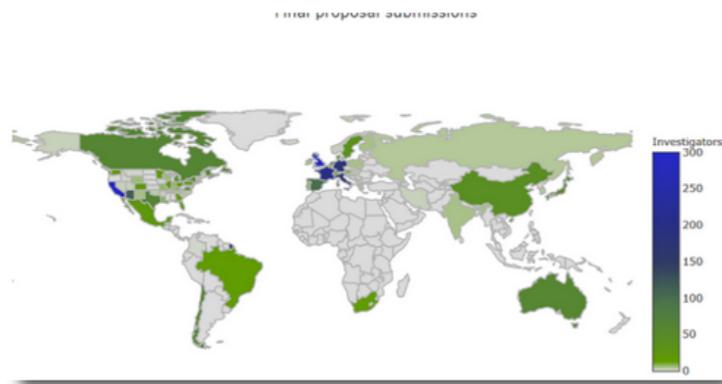
JWST Observer News



James Webb Data Analysis Development Forum Releases SpecViz Version 0.4.0

News Feature • August 29, 2017

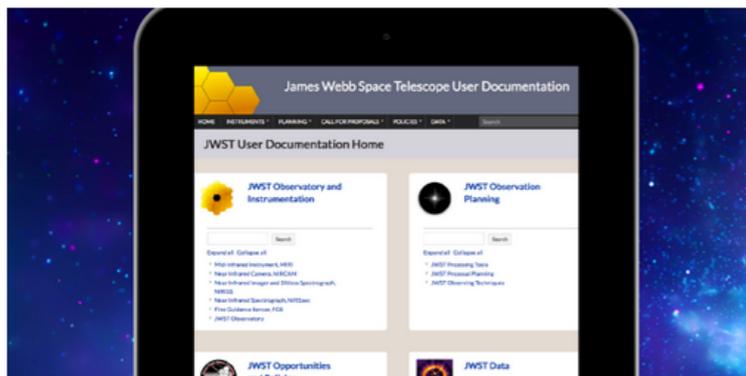
STScI is developing SpecViz, a one-dimensional astronomical spectral visualization and analysis suite, to support all types of astronomical spectral data.



DD-ERS Proposal Submission Statistics Are Now Available

News Feature • August 28, 2017

With the submission of the final proposals for the Director's Discretionary Early Release Science (DD-ERS) Program, we're ready to get started planning for the early observation cycle.



JWST User Documentation Keeps the Community Well-informed

News Feature • August 14, 2017

JWST User Documentation (JDox) provides the astronomical community with a Wikipedia-styled site to keep users informed about JWST instruments, proposals, and more.

jwst.stsci.edu/news-events/news



JWST Observer Workshops & Webinars

Subscribe to Events: [RSS](#) [ICS](#) [UPCOMING](#) [PAST](#)

This Month (October)

4						
Oct 2017						
Su	Mo	Tu	We	Th	Fr	Sa
1	2	3	4	5	6	7

JWST ESAC Workshop - Mastering the Science Instruments and the Observing Modes of JWST: Get Set

Training Workshop • October 4 - 6, 2017 • ESAC, Madrid, Spain

The European Space Agency is sponsoring this JWST proposal preparation workshop, which will be held at ESAC, near Madrid, Spain. The 2.5 day workshop is scheduled to take place a few weeks before the JWST Cycle 1 call for General Observer (GO) proposals. Prospective JWST users will gain hands-on experience with various tools that support the development and submission of proposals. Tools include, but...

15						
Oct 2017						
Su	Mo	Tu	We	Th	Fr	Sa
15	16	17	18	19	20	21

JWST at the 49th Annual Division for Planetary Sciences Meeting

Science Meeting • October 15 - 20, 2017 • Provo, UT

The James Webb Space Telescope will be a major topic at the 49th Annual Division for Planetary Sciences Meeting, which is going to be held at the Utah Valley Convention Center in Provo, UT. The meeting will help potential JWST observers of Science and Technology.

More than a dozen in person workshops and two dozen webinars supported in 2017!

Workshops & Lectures

Use the links below to learn about JWST workshops and lectures to prepare you for the ERS and GO Cycle 1 proposal deadlines and the overall JWST mission.

WORKSHOPS ↗

COMMUNITY LECTURE SERIES ↗

Workshops and Webinar Recordings and Materials Archived Online

JWST User Committees

SCIENCE PLANNING > User Committees

User Committees

In this area, you can find information about various JWST committees.

**JWST ADVISORY COMMITTEE
(JSTAC) ☉**

JWST USERS COMMITTEE (JSTUC) ☉

**JWST SCIENCE WORKING GROUP
(SWG) ☉**

Final Meeting of
JSTAC took place in
July 2017

SWG continues
regular activities

First Meeting of
JSTUC took place in
September 2017

JWST User Committee (JSTUC)

Event Assets

[Agenda](#)

Add to Calendar: [ICS](#)

The 1st Meeting of the JWST Users Committee (JSTUC)

September 14 - 15, 2017
STScI Baltimore, MD

The 1st meeting of the JSTUC was held at STScI on September 14-15, 2017. The committee was welcomed by the STScI Director, the JWST Senior Project Scientist, and representatives of the three space agencies. The committee received briefings on all aspects of the JWST program, including progress on the testing being completed at Johnson Space Center and the ongoing preparations at STScI and GSFC to support community science. The JSTUC will meet semi-annually to provide user advice to the observatory. More information is available on the [JSTUC](#) page.

Meeting Agenda

The JSTUC members met on Wednesday evening for a reception and tour of the JWST Mission Operations Center.

Thursday, September 14, 2017

Time	Topic	Presenter
8:15-8:30	Breakfast @ Rotunda	
8:30-9:00	Welcome & STScI Status	K. Sembach
9:00-9:30	<u>Welcome & GSFC Status</u> - SWG update	J. Mather
9:30-10:15	<u>JWST Project Report</u> - JWST test updates	W. Ochs
10:15-11:00	<u>JWST Mission Office Report</u> - SOC status	M. Stiavelli/N. Lewis

Name	Institution
James Bullock <input checked="" type="checkbox"/>	University of California, Irvine
Kat Barger <input checked="" type="checkbox"/>	Texas Christian University
Natalie Batalha <input checked="" type="checkbox"/>	NASA-Ames
Saida Caballero-Nieves <input checked="" type="checkbox"/>	Florida Institute of Technology
Stephane Charlot <input checked="" type="checkbox"/>	Institute d'Astrophysics, Paris
Duncan Farrah <input checked="" type="checkbox"/>	Virginia Polytechnic Institute and State University
Tom Greene <input checked="" type="checkbox"/>	NASA-Ames
Amanda Hendrix <input checked="" type="checkbox"/>	Planetary Science Institute
Kelsey Johnson <input checked="" type="checkbox"/>	University of Virginia
Heather Knutson <input checked="" type="checkbox"/>	California Institute of Technology
David Lafreniere <input checked="" type="checkbox"/>	Universite de Montreal
Mario Mateo <input checked="" type="checkbox"/>	University of Michigan
Els Peeters <input checked="" type="checkbox"/>	University of Western Ontario
Laura Pentericci <input checked="" type="checkbox"/>	INAF, Osservatorio Astronomica di Roma
Mike Ressler <input checked="" type="checkbox"/>	NASA-JPL
Johan Richard <input checked="" type="checkbox"/>	Universite de Lyon
Tommaso Treu <input checked="" type="checkbox"/>	University of California, Los Angeles

<https://jwst.stsci.edu/science-planning/user-committees/jwst-users-committee-jstuc>