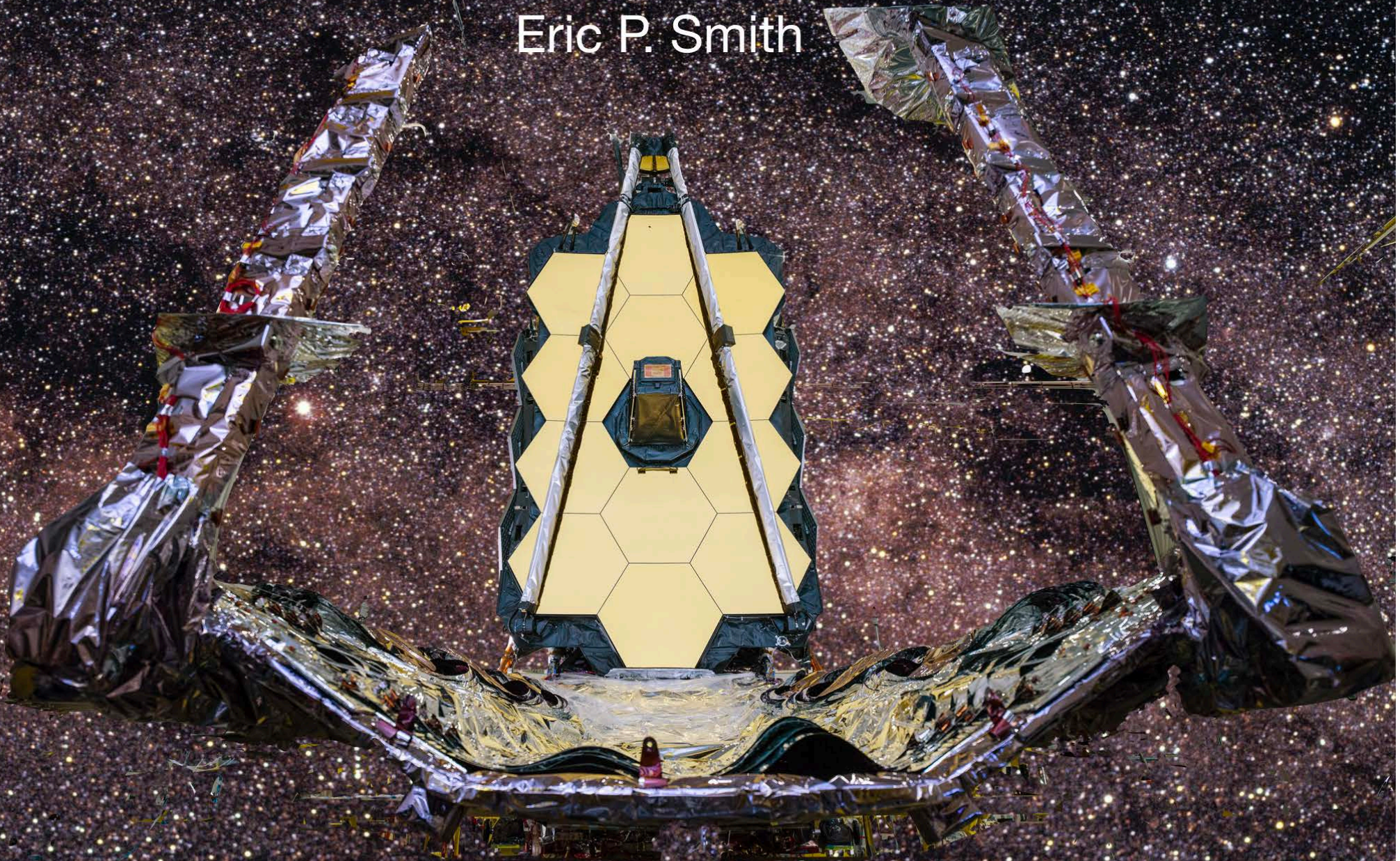


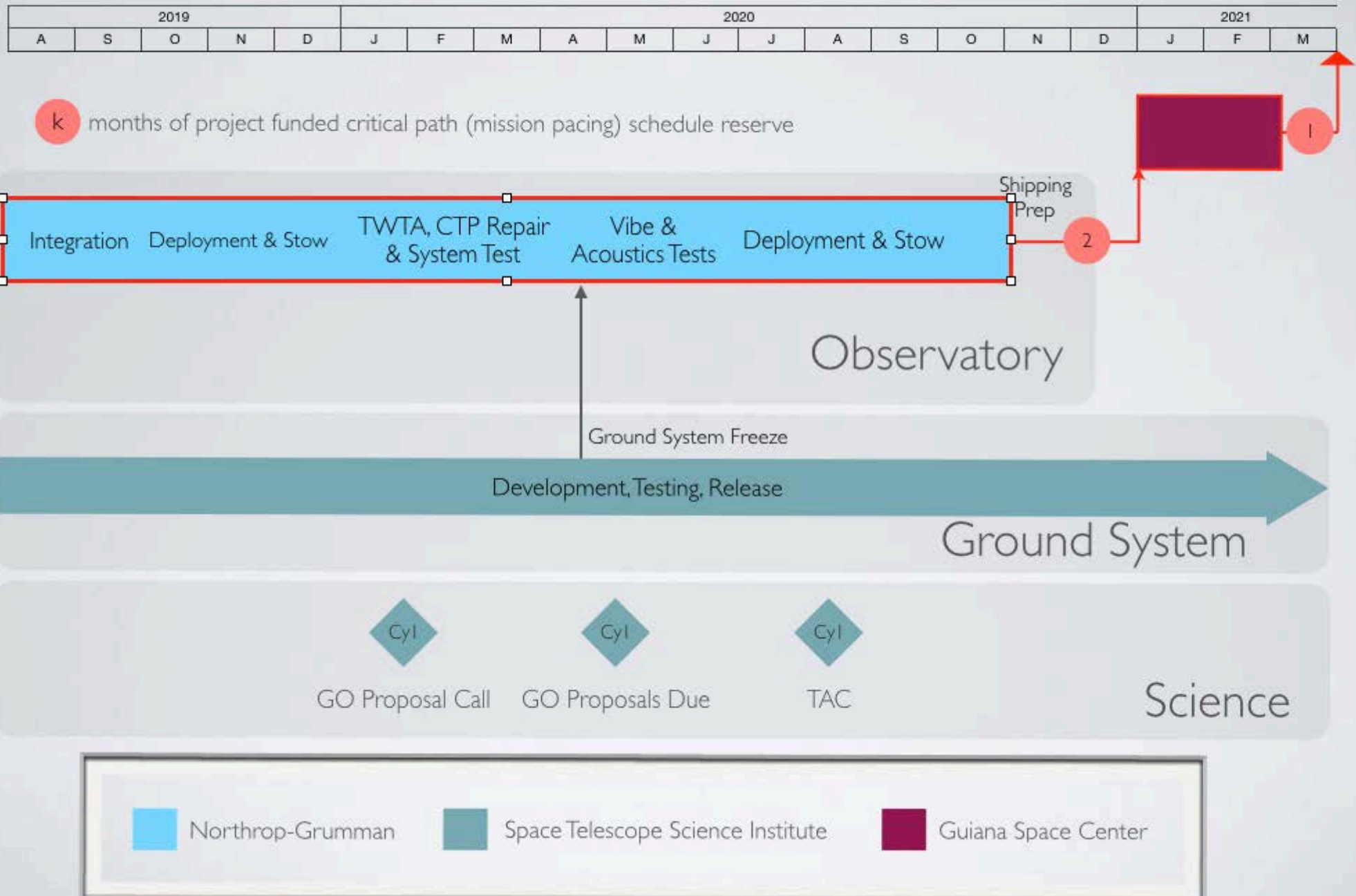
James Webb Space Telescope

Eric P. Smith



JSTUC meeting 9-Sep-2019

SIMPLIFIED SCHEDULE





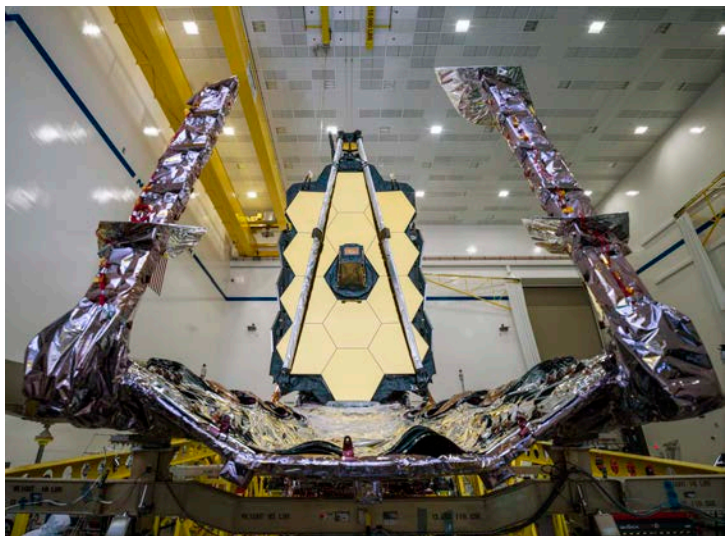
Fiscal Year 2019 JWST HQ Milestones

| Month | Milestone | Comment |
|--------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| Oct-18 | 1 Conduct Wavefront Sensing rehearsal #2 at the Missions Operations Center (MOC) | <u>Completed 10/6/18</u> |
| | 2 Stow the sunshield into launch position following repairs of the membrane covers | <u>Completed 9/28/18</u> |
| | 3 Spacecraft Element (SCE) ready for resumption of environmental testing following MCA repairs | <u>Completed 10/19/18</u> |
| Nov-18 | 4 Complete Spacecraft Element Acoustic Test | <u>Completed 10/28/18</u> |
| | 5 Deliver Observatory Science and Operations software build | <u>Completed 10/19/18</u> |
| Dec-18 | 6 Conduct Science Operations rehearsal #4 at the MOC | <u>Completed 12/21/18</u> |
| | 7 Begin Spacecraft Element vibration testing | <u>Completed 11/15/18</u> |
| | 8 Complete the validation of science payload software | <u>Completed 10/27/18</u> |
| Jan-19 | 9 Conduct a SCE Comprehensive System Test in preparation for thermal vacuum testing | <u>Completed 9/26/18</u> |
| Feb-19 | 10 Deliver final results for SCE environmental testing | Complete 4/5/2019 |
| | 11 Conduct Early Commissioning Exercise #2 at the MOC | Completed 3/6/2019 (Government shutdown delay) |
| Mar-19 | 12 Begin Spacecraft Element thermal vacuum test | Completed 4/7/19 |
| | 13 Deliver the flight version of launch vehicle coupled loads analysis #2 Observatory model | Completed 5/6/19 |
| Apr-19 | 14 Open thermal vacuum chamber door following testing | Completed 5/19/19 |
| | 15 Conduct Wavefront Sensing rehearsal #3 at the MOC | <u>Completed 4/12/19</u> |
| May-19 | - NONE | |
| Jun-19 | 16 Complete Spacecraft Element post-launch environmental testing deployment | replanned to follow science payload installation (FY20) |
| | 17 Complete the secondary mirror structure deployment driven by the Spacecraft Element | Completed 7/13/19 |
| Jul-19 | 18 Received updated Cycle 1 proposals from the Guaranteed Time Observers | <u>Completed 6/25/19</u> |
| | 19 Conduct Science Operations rehearsal #5 at the MOC | Completed 7/12/19 |
| Aug-19 | 20 Complete Spacecraft Element post-launch environments and thermal vacuum testing folding | replanned to follow science payload installation (FY20) |
| | 21 Observatory System Integration Review (SIR) | Completed 7/25/2019 (Part 1), 10/19 (Part 2) |
| Sep-19 | 22 Install science payload onto the Spacecraft Element | |
| | 23 Deliver the flight version of launch vehicle coupled loads analysis #2 results and detailed assessment | |
| | 24 Spacecraft Element Integration complete | <u>Completed 6/29/19</u> |
| | 25 Conduct Contingency Planning rehearsal #3 at the MOC | |

Blue font(underline) denotes milestones accomplished ahead of schedule, orange font denotes milestones accomplished late.



Remaining I&T Activities*



- Post SCE-Environmental Sunshield Deployments & Repairs
- Observatory Pre-environmental Deployments
- System (electrical) test
- Vibration and acoustics tests
- Observatory Post-environmental deployments
- Final system test
- Observatory fold and stow for launch

NOTE: *Top-level tasks to go. Many activities are associated with each of these steps



JWST Data Exclusive Use Period

- Current default period for exclusive use of JWST data is 12 months
- NASA and the US government are moving towards open access to taxpayer funded scientific research (and data)
- Governing language for Webb, NASA ESA/CSA Memorandum of Understanding language (Article 10.3)

“Selected Investigators shall have an exclusive first-publication right. The duration of the exclusive right shall be 12 months (hereinafter referred to as the "Restricted Period") from receipt by the Selected Investigators of the JWST data in a form suitable for analysis. The Restricted Period may be reduced by the Director of the S&OC facility with concurrence by NASA, ESA, and CSA based upon experience gained by the international scientific community in the initial years of JWST operations.”

- Question: Are there criteria the JSTUC can help develop that will assist the Director in determining the readiness of the community to move towards a reduced, or eliminated exclusive use period?



Details (some of them)

- When would such criteria be met?
- Are there any experiences with Cycle 1 and Cycle 2 data that would preclude exclusive use period reduction?
- Should individual instruments be treated separately?
- Should proposers retain the ability to request exclusive use for their data after any changes?