



University of
New Hampshire



Goddard
SPACE FLIGHT CENTER



Raytheon
Technologies



Geostationary Littoral Imaging and Monitoring Radiometer (GLIMR)

International Ocean Colour Science (IOCS)
Meeting



Agenda



- 12:10 Joe Salisbury GLIMR updates
- 12:15 Tim Bennett A view from management (Tim is the mission manager from NASA ESSP)
- 12:25 Dustin Berkovitz (RTX) The present GLIMR instrument
- 12:35 Antonio Mannino Bridging instrument and science capabilities and performance
- 12:45 Maria Tzortziou GLIMR Applications update
- 12:55 Ryan Vandermeulen Updates on NOAA OCX and synergies with GLIMR
- 1:00 GLIMR Team Team discussion



GLIMR updates in last ~year



- Completed Critical Design (CDR) Review in June
- Nearly all actions from the CDR have been addressed
- Instrument requirements and design complete
- Procurements 99% complete
- Presently building and testing instrument subcomponents
- NASA ESSP actively pursuing GLIMR access to space
- Mature concept of operations and image registration strategies in process
(Science operations spinning up at UNH)
- GSFC developing L0-L2 code and science performance modeling
- Community Outreach efforts
 - Applications efforts (workshop 9/22)
 - Several presentations
- Engaging and exploring synergies between NASA TEMPO, NOAA OCX and GLIMR



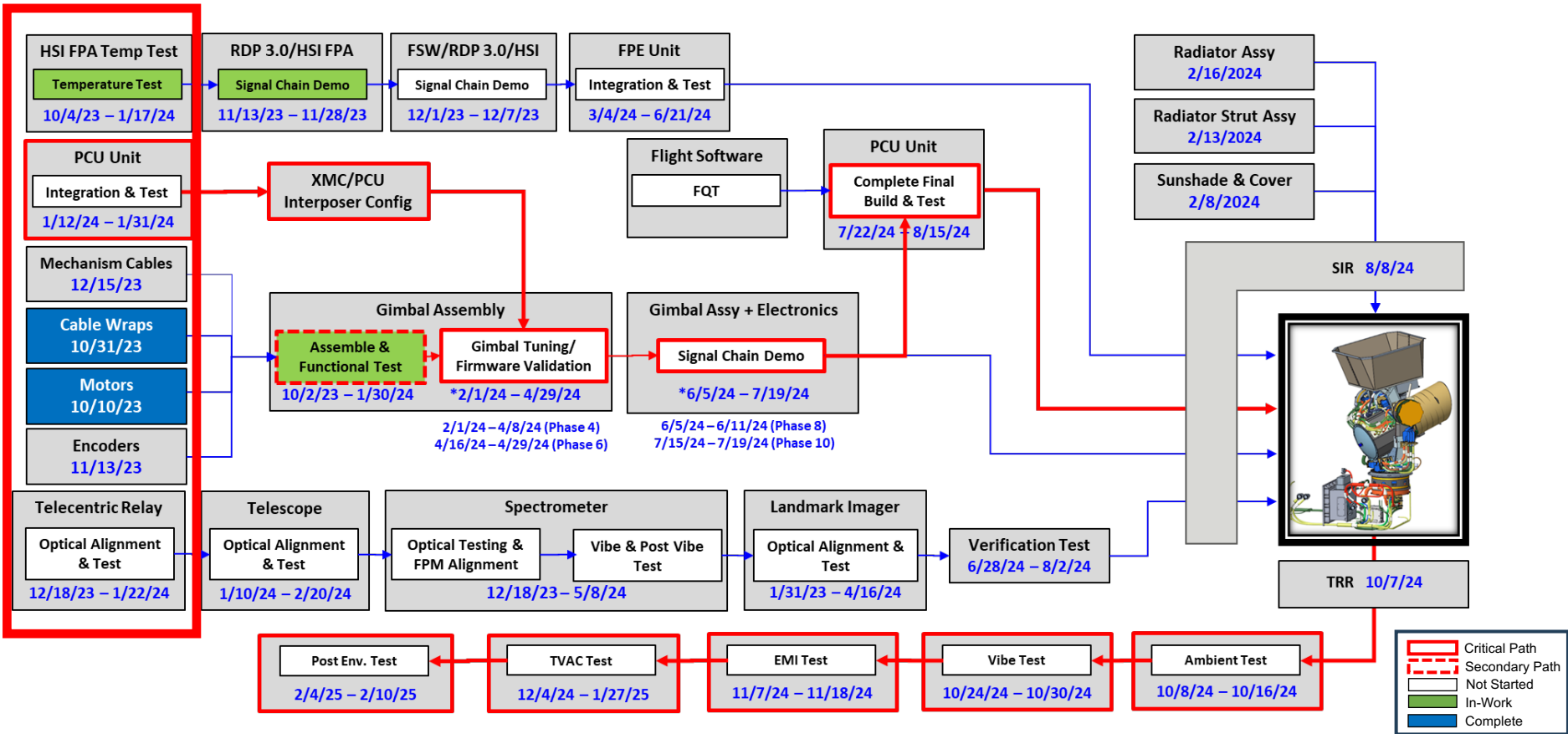
High-level GLIMR Milestones



Milestone	Date	Notes
Contract Award	May 2021	Completed
System Requirements Review (SRR)	December 2021	Completed
Integrated Baseline Review (IBR)	June 2022	Completed
Preliminary Design Review (PDR)	June 2022	Completed
Critical Design Review (CDR)	June 2023	Completed
System Integration Review (SIR)	August 2024	
Pre-Environmental Review (TRR/PER)	October 2024	
Pre-Ship Review (PSR)	March 2025	If instrument schedule margin is used, then it would occur in May 2025
Operational Readiness Review (ORR)	July 2026	<i>Date reflects going immediately into Host AI&T after PSR. This, and the following two entries, might get pushed back up to 2years if the instrument is put into storage while Host is selected.</i>
Instrument Operations (Phase E)	Feb 2027-Jan 2028	
Instrument Decommissioning (Phase F)	Feb 2028-Jan 2029	



Activities leading to Sensor Integration and Test





Discussion Topics



1. Spatial Resolution
2. Other Instrument performance discussion
3. Algorithms development.
 1. Help needed (other than funding)?
 2. Combined or leveraged efforts
 3. Other efforts outside of GLIMR using hyperspectral or Geo Data
4. Outreach/applications/early adopters
5. Science operations