Hosting Update for TEMPO Science Team Meeting

Acting PM: Kevin Daugherty
Acting DPM: Crystal Fenn

June 2, 2021
The TEMPO Instrument has been delivered to Maxar!
  - Instrument is ready for integration with IS40e
The TEMPO team is working closely with our commercial host partners, Maxar Technologies and Intelsat General, to successfully integrate the TEMPO Instrument and Ground Systems
NASA contracted with Maxar Technologies (formerly Space Systems Loral) in 2019

Completed multiple reviews including spacecraft and ground system design reviews, a shipment review, and a system integration review

TEMPO was delivered to Maxar Technologies in Palo Alto, CA on May 18, 2021
Integration and Test Schedule

- TEMPO Sensor Integration – October 2021
- Thermal Vacuum Testing – January-February 2022
- Vibration and Acoustics Testing – March-June 2022
- EMI/EMC Testing – June-August 2022
- Shipment to Launch Site – October 2022
- Launch – November 2022
- Nominal Operations Begin – March 2023
TEMPO Operations & Data Flow Update

Spacecraft Location: 91 W

Gateway Antenna
Intelsat General
Riveride, CA

TT&C Station
Intelsat General
Castle Rock, CO

IOC - Instrument Operations Center
Smithsonian Astrophysical Observatory
Cambridge, MA

SDPC - Science Data Processing Center
Smithsonian Astrophysical Observatory
Cambridge, MA

ESOC - East Coast Satellite Operations Center
Intelsat General
McLean, VA

ASDC - Atmospheric Science Data Center
NASA Langley Research Center
Hampton, VA

Legend
Instrument Command and Control
Science Data Handling

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