

GeoXO User Readiness

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User Readiness Activities



GeoXO & NESDIS Activities

Service Delivery

- Provide precursor mission partner data
- Develop GeoXO instrument proxy (sim.) data
- Generate/distribute L1b and L2 data via NCCF and High Rate, Low Rate, DCS data streams via comsat
- Cal/Val

Infrastructure

- Development of NESDIS Common Cloud Framework
- Pre-launch data flow exercises
- Pre launch innovation to select/develop L2 and apps
- Support critical apps (ie AWIPS) to ensure data use

Customer Service

- Training on GeoXO data products, NCCF, RF services
- Provide Satellite Liaisons to work at LO Centers
- Support Proving Grounds to test/evaluate products
- Prepared to assist NOAA LOs



Line Office Activities

Service Delivery

- Evolve forecast products to use GeoXO capabilities
- Visualization systems tailored to GeoXO for LO apps

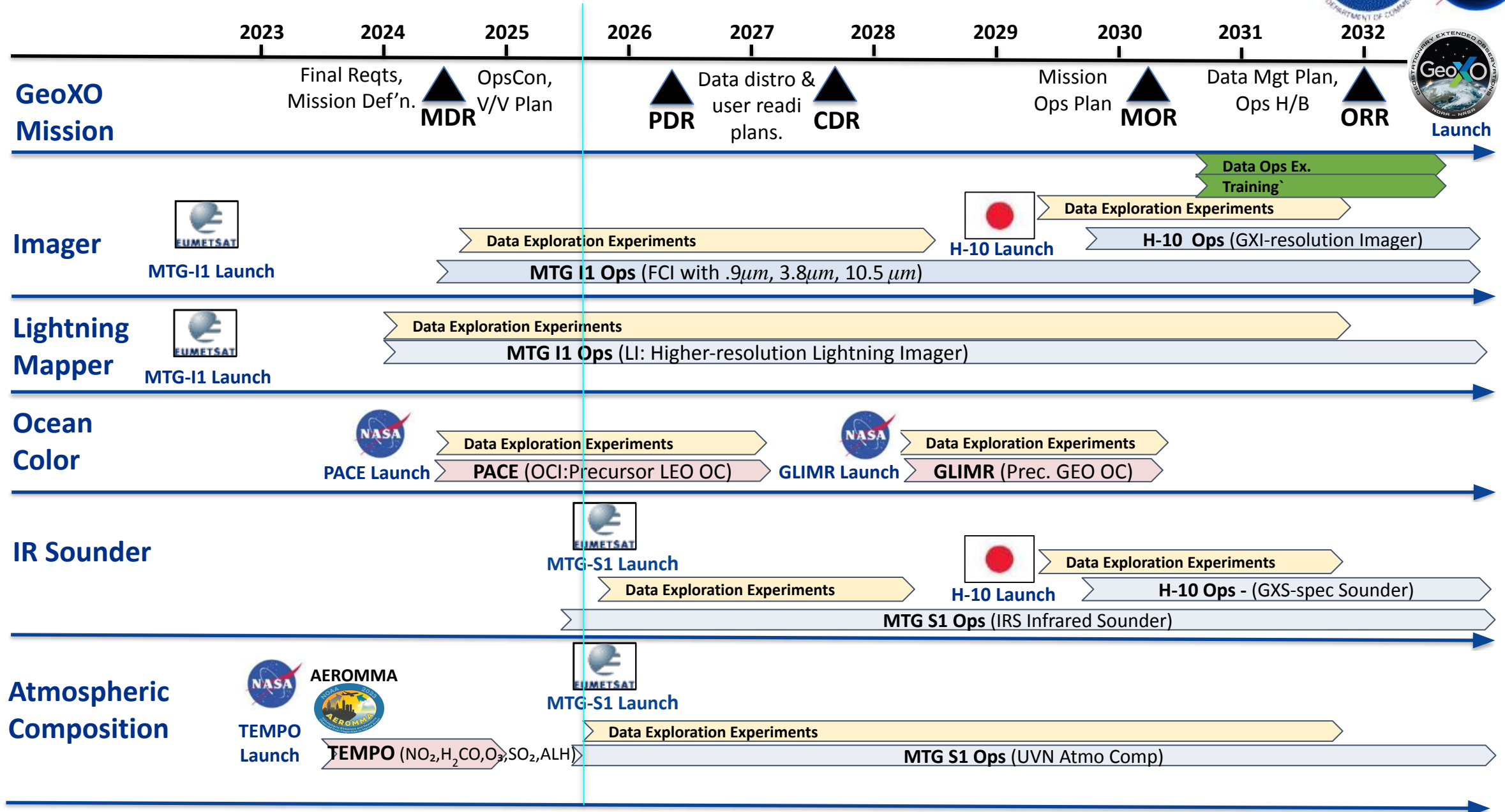
Infrastructure

- Processing and network bandwidth upgrades
- Interface to NCCF and intra-LO data distribution
- New antennas/Rx system upgrades for RF streams
- Pre-launch data flow exercises
- Data assimilation for Weather, Climate and Ocean Models

Customer Service

- Internal LO training
- Training for LO customers
- Host Satellite Liaisons at LO Centers
- Test/evaluate products in Proving Ground
- Identify areas where support is needed

User Readiness Timelines



TOWR-S Activities

Primary Objective: Complete the “Last Mile” in GOES-R data integration into the NWS mission

Service Delivery

- Ensure GOES-R satellite data products are an effective resource for NWS forecasters
- Provide system engineering and working-level integration support for GOES imagery and L2 products in NWS mission operations
- Provide technical solutions, assistance, and outreach on behalf of the GEO Program Office

Infrastructure

- Supported pre-launch data flow exercises
- Innovation - deployment of RGBs, AWIPS analytics, deployment of algorithms to NCCF and NWS’ OSTI cloud
- Support critical apps (i.e., AWIPS) to ensure data use

Customer Service

- Works closely with GOES-R users at the NWS WFOs and National Centers

XORRO Activities

Primary Objective: Complete the “Last Mile” in GeoXO data integration into the missions of NWS, NOS, NMFS, etc.

Service Delivery

- Ensure GeoXO L1b/imagery products are an effective resource for NWS, NOS, NMFS and other operational users
- Provide system engineering and working-level integration support for GeoXO L1b/imagery and available to support L2 products in NWS mission operations
- Provide technical solutions, assistance, and outreach on behalf of the GEO Program Office

Infrastructure

- Explore new data distribution possibilities
- Innovation - expand AWIPS analytics capabilities, AI/ML, data fusion

Customer Service

- Host Satellite Liaisons at LO Centers
- Test/evaluate products in Proving Ground
- Identify areas where support is needed