

A composite image featuring a satellite in the foreground on the left, with its solar panels and instruments visible. In the background, a large, detailed view of the Earth is shown, highlighting the Western Hemisphere. The text "GOES DCS Program Updates" is overlaid in large white font across the center.

GOES DCS Program Updates

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Program Updates

- Extension of Final Microcom DCS Contract from 12 May 2021 until 12 Jul 2021
- Continued support to be provided via the GOES DCS Maintenance & Sustainment Contract
- Released DADDS NExt RFI in support of expected DADDS NExt acquisition moving forward next year 2022
- Back Up Pilot Antenna Replacement at CBU Fairmount, VA replanned for a TBD Mar 2022 start
 - Replace temp Omni-directional antenna w/ two 3.8M antennas
 - Risk that dependence on back up may lead to 25% data loss
 - Civil works efforts starting under GSA
 - Anticipate completion of civil work Dec 2021

What we are doing today?

- Legacy DCS Contract & follow-on DCS M & S Contract
 - Continue sustaining engineering support for GOES DCS
 - System engineering support
 - System hardware and software sustainment
 - System operations support
 - Integration and installation
 - Acceptance testing and evaluation
 - Integrated logistics support
 - Training and documentation.
 - Engineering & support for RF infrastructure
 - DCS Demodulators (DAMS-NT)
 - DCS Pilot/ Test Transmitters (P/TT)

Where to next?

- Questions for the future
 - How will RF infrastructure be supported?
 - OMS contract alignment for support....
 - How does DCS fit into the NESDIS Cloud architecture?
 - Engament with NESDIS Cloud Red Team....
 - Do users need Two Way Communication through DCS?
 - Ongoing working assignment pursuing Two Way capabilty?
 - How will DCS project support the Small Sat Validation Demo moving forward?
 - Work assignment in place to support modification of demodulater to mitigate doppler effect while in comms with a small sat...
 - What is DCS future with Geo_XO?

DADDS NExt

- An updated data ingest and dissemination system to replace DADDS
- Software and hardware that will be inserted into current GOES DCS architecture (DAMS-NT, Pilot/Test Transmitter, Dual Pilot Control Module, DCS Platform Radio Certification support)
- Interfaces with HRIT, NWSTG, LRGS and web/ internet
- Enables system support by the government w/minimum contractor support
- Meets Enterprise IT security requirements
- New & flexible coding for ease of modernization and enterprise level security (NESDIS requirements)
- DCS message format

In closing....

- Keeping up with change...
 - Legacy GOES DCS Contract
 - GOES DCS Maintenance & Sustainment Contract
 - DADDS NExt
 - Geo_XO in the future
- Keeping in step.....
 - Align with OMS contract and NESDIS Cloud
- Questions for now....
 - Commitment to Two Way!!!
 - Keeping the system up to date; SUAs & PDTs but, we'll talk about that next...