

# GOES DCS TWG Introductory Remarks

**Scott Rogerson & Rich Antoine**

NOAA/NESDIS/OSPO/SPSD/DSB

21 March 2018



**GOES-S (17) was launched on  
1 March 2018**



# Outline

- Logistics
- New GOES DCS Program Manager!
- GOES DCS Today: Current challenges & opportunities
- Review Agenda
- Review Actions from Sep 2017



# Logistics

- Restrooms
- Emergency Exits
- Breaks / Lunch
- WebEx and Telecon Line
  - <https://spsd.webex.com/spsd/onstage/g.php?MTID=ea4f05b4f77acc48488fb5b996a652be4> (**Password: GOES**)
  - **1-866-423-6708**
    - Leader passcode of 6657708#
    - **Participant passcode of 1961776#**
- Congrats on great training yesterday!

***Thank you to everyone: Planning Committee, Presenters, Attendees!***

# New GOES DCS Program Manager!

Rich Antoine is on-board as new full-time GOES DCS Program Manager, following a very impressive 22-year career in the U.S. Air Force.



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301-817-4521

# GOES DCS Today: Current Challenges & Opportunities

- Transition(s) to GOES-R series:
  - ✓ GOES-16 = GOES-East
  - GOES-17 = GOES-West (late 2018)
- Complete Transition from LRIT to HRIT (late 2018)
- Continuation of DOMSAT service until May 2019
- DADDS Refresh (hardware & software)
- Frequency (spectrum / interference) management
- Program/system management: Channel assignments, system use agreements, user education & assistance, web site updates, etc.
- Enhanced capabilities & other advances (e.g., 2-way platforms, new file formats, potential use of system by small-sats)

# Agenda for Today

- Session 1 (9 AM to 12 PM):
  - Introductory Remarks; Review Actions from Sep 2017 Meeting
  - User Reports
  - GOES DCS Program Updates (incl. HRIT)
  - Wallops CDAS Updates
  - STIWG Report
- Session 2 (1 PM to 5 PM):
  - Manufacturer Remarks
  - Spectrum Report / Discussion
  - Small-Sat Project Update
  - Two-Way Prototype Update
  - New File Format Proposal Update
  - Any Other Business / Future Plans
  - Draft / Review Action Items
  - Closing Remarks

*Aggressive Schedule:  
Need to try to stay on track*

*WebEx Chat – All Participants*

*Will try to field comments/questions through  
WebEx (audio) & Telecon Line*

*Follow-up if needed:  
[Letecia.Reeves@noaa.gov](mailto:Letecia.Reeves@noaa.gov)*

*Reminder:  
Presenters are Requested to Provide  
Summary Reports for Minutes (ASAP)*

# Review Actions from Sep 2017

- Action 121-1: Letecia Reeves to provide Warren Krug of NOS with a listing of the COOP users.
  - **Closed (Completed)**
- Action 121-2: Letecia Reeves to do a survey or outreach email with a Google Form to assess how DCS users obtain their data with a goal of discovering who is using DOMSAT and what their transition issues are by early November this year.
  - **Closed (Completed: Decision announced to continue DOMSAT service until May 2019)**
  - **See last slide**
- Action 121-3: Include the 3 new DADDS features (Field Test, Netlist Filters and Forgotten Password) in the DADDS user manual.
  - **Open / Pending**
- Action 121-4: Dave Lubar to send a link to the community on the Iridium concerns on the interference from Ligado.
  - **Closed (Completed)**

# Recommendations from Sep 2017

- Recommendation 121-1: NOAA should identify the users or customers for the NWSTG feed.
  - **Closed (Completed: Of 98 Replies to User Assessment, three indicated NWSTG as Primary and five more as Secondary)**
  - **See last slide**
- Recommendation 121-2: NOAA should do an education campaign to let people know the various means to acquire or receive GOES DCS with an emphasis on helping DOMSAT users make a transition.
  - **Closed (Completed)**
- Recommendation 121-3: Do an outreach effort to educate or “tell the story” to spectrum and other regulators of the importance of the GOES DCS system; examples being river and reservoir level gauges during flood events and weather stations during fire events.
  - **Ongoing**
- Recommendation 121-4: The GOES DCS community should monitor the next step related to the 1675 to 1680 MHz bands which would be a “notice for proposed rule-making.”
  - **Open / Pending**



# Recommendations from Sep 2017

- Recommendation 121-5: Stay aware of what is happening in relation to the 401-403 MHz in relation to the very small satellite issue as these could interfere with the DCP uplink transmissions.
  - Ongoing
- Recommendation 121-6: Investigate performing a test to see whether GOES DCS users are seeing any interference on the uplink transmissions to GOES-16 now before we switch to it for operations by doing a test.
  - Closed (OBE / NA)
- Recommendation 121-7: The transition period needs to be coordinated with users so there can be an iterative process over a sufficient time-period. A partial set of the new data could be sent during these interactive periods.
  - Pertains to New HRIT File Format Proposal
  - Open / Pending
- Recommendation 121-8: Determine if GOES DCS could be used by small satellites (as DCS platforms) – to alleviate “competing” with them in the DCS uplink frequency band.
  - Ongoing

# Fall 2017 User Assessment: “What is your data retrieval system currently?” (98 Responses)

## Primary:

LRGS: 29.6%

DADDS: 28.6%

LRIT/HRIT: 19.3%

DOMSAT: 7.1%

DRGS: 5.1%

NWSTG: 3.1%

(Plus 8 other/unique  
(write-in) replies)

## Secondary:

LRGS: 26.5%

DADDS: 26.5%

LRIT/HRIT: 10.2%

DOMSAT: 6.1%

DRGS: 2.1%

NWSTG: 5.1%

(Plus 18 other/unique  
(write-in) replies)