ALION
SCIENCE AND TECHNOLOGY

Aligned with your needs.

DCS TWG User Survey
March 21, 2018

Background

- Spectrum access essential for NOAA's products
  - Weather forecasts, storm warnings, climate monitoring – all data from satellite downlinks
- Pressure on NOAA frequency bands for commercial use
  - AWS Auctions, Ligado Networks, and DISH
- Commercial users must coordinate to deploy assets in NOAA Spectrum
  - Prevent harmful interference and degradation to NESDIS RF spectrum assignments
- NOAA must determine impact of adjacent and in-band spectrum

Spectrum Pipeline Reallocation Engineering Study (SPRES)

- SPRES will specifically address possible reallocation of the 1675 – 1680 MHz band (5 MHz of spectrum) for sharing between the Met-Sat service and AWS nationwide

- Quantify potential impact to NOAAs direct readout users and identify possible techniques to facilitate successful spectrum sharing
  - While ensuring the integrity of the GOES DCPR downlink data

DCS User Survey – Protect your end users

1) Email address *

Your answer

2) Name *

Your answer

3) Date *

Date

mm/dd/yyyy

4) Phone number *

Your answer

5) Work Address

Your answer

6) What federal or non-federal agency do you support? *
(ex: NOAA, USGS, NWS, Weather Channel, Weather Underground, Microcom)

Your answer

7) Do you have a Direct Readout Ground Station (DRGS)? *

☐ Yes

☐ No

8) If you answered yes to the previous question, please specify each direct readout system you have. (ex: DCS, GRB)

Your answer

9) If you do not have a DRGS, what is your primary method for collecting GOES DCS data? *

○ DCS Administration and Data Distribution System (DADDS)

○ High Rate Information Transmission (HRIT)

○ Local Readout Ground Systems (LRGS) via DOMSAT

○ Local Readout Ground Systems (LRGS) via Internet

○ DCS Automated Processing System (DAPS) via DOMSAT

○ Other: _____

10) What type(s) of GOES receiver systems do you have? *

○ DRGS

○ HRIT/EMWIN

○ MDL

○ GRB

○ GVAR

○ Other: _____

11) Who benefits from your GOES DCS data collections? (the end-users or beneficiaries of your data) *

Your answer

12) What is the impact to your end-users if your data is missing? *

Your answer

13) What are your operational availability requirements? *
(ex. 24/7, only during storms, once a day)

Your answer

14) What are your latency requirements? *

☐ Low (< 1 minute)

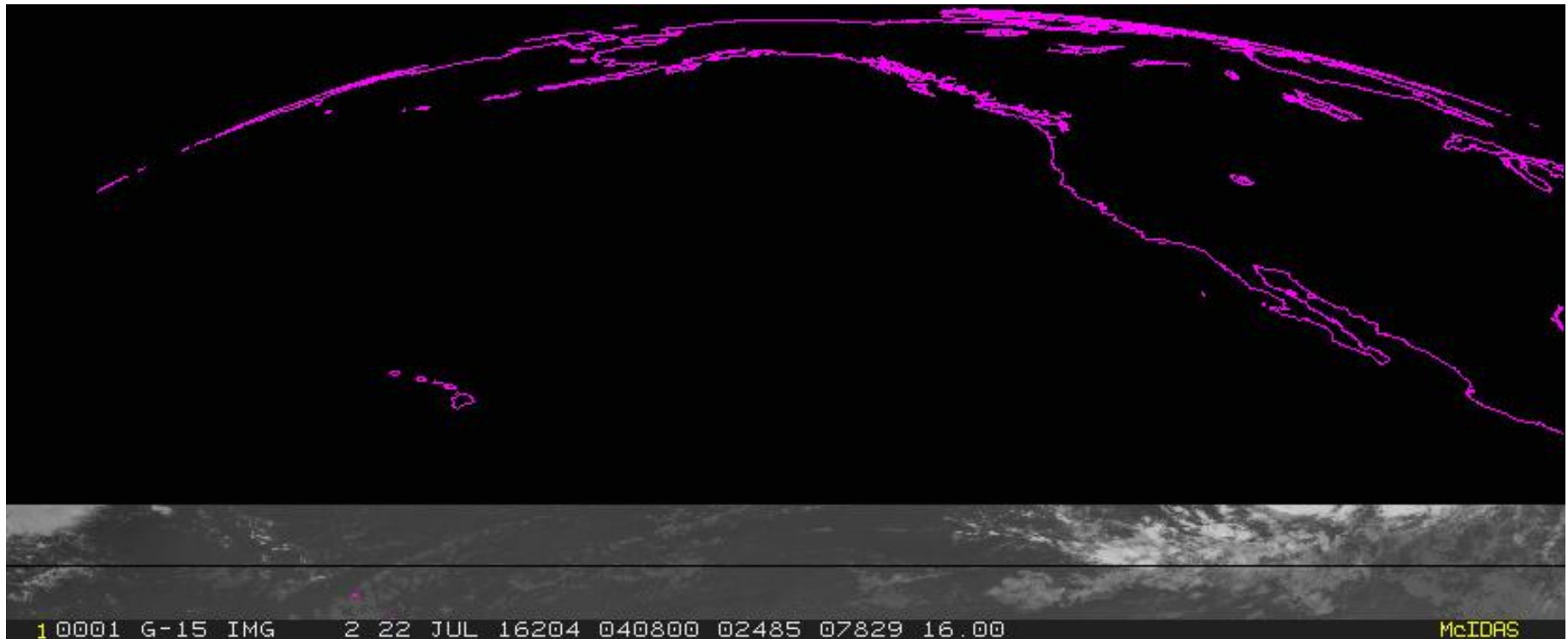☐ Moderate (1 - 10 minutes)

☐ High (10 > minutes)

Due Diligence Prevents Interference

Please help us protect this band by completing the DCS user survey.
Instructions on where to complete this survey will be provided to you soon.
We would like to have all surveys submitted by May 31, 2018.

[Click Here to complete the DCS user survey](#)

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Questions?