



NOAA GOES Data Collection System Administrative and Data Distribution System (DADDS)

Troubleshooting

National Environmental Satellite,
Data, and Information Service

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Purpose

- Provide a forum for topics that GOES DCS cannot address directly
- All DCS users to make contacts and collaborate



Agenda

Review All Topics

Proceed Topic by Topic

Open Q & A



Site Setup and DCPs

DCP Transmitter Setup and Operation

- Sensor configurations
- Properly formatting data and managing packet size
- Calculating needed broadcast time
- Data debugging, QA/QC
- Utilizing / Setup of Random Transmission
- Antennas: selecting, installing, pointing, and sources of supply
- Field Testing: how-to and best practices
- Changing station locations and common mistakes
- Assistance with Sutron XConnect

Deploying a Meteorological Station for Fire Prediction

Best Practices or Lessons Learned from DCP/Site Managers



Ingest / Data Management

Open DCS

- General LRGS server operations
- How to connect and download data from a direct readout ground stations (DRGS) or Different DRGSs
- Information on decoding statement logic
- Working with difference format statements
- Working with Decodes and Oracle
- OpenDCS integration and PostgreSQL Database
- DCS Toolkit



Ingest / Data Management

USGS PASS

Pseudobinary app or web

Data debugging, QA/QC

Setting alarms, automated screening, planned decodes, decodes cloud migration



Site Setup and DCPs

- DCP Transmitter Setup and Operation
 - NOAASIS Training Page
 - Training Provided by Richard Pardee, 2019
 - <https://www.noaasis.noaa.gov/pdf/docs/TWG2019/0845%20Best%20Practices%20Things%20to%20Consider%20at%20Your%20DCP%20Sites.pdf>
- Update a PDT for a DCP
 - NOAASIS Training Page
 - [https://www.noaasis.noaa.gov/pdf/docs/TWG2022/Updating%20Platform%20Description%20Table%20\(PDT\)%20Reeves.pdf](https://www.noaasis.noaa.gov/pdf/docs/TWG2022/Updating%20Platform%20Description%20Table%20(PDT)%20Reeves.pdf)
- Random Reporting Guide
 - DCS Systems Website
 - <https://dcs1.noaa.gov/documents/GOES%20DCS%20Random%20Channel%20Users%20Guide.pdf>

Site Setup and DCPs

- Campbell Scientific Hydro-Link
 - NOAASIS Training Page
 - <https://www.noaasis.noaa.gov/pdf/docs/TWG2019/1515%20Hydro-Link%20Training%20for%20NOAA%20V100%20Oct%202019.pdf>
- OTT Hydromet
 - NOAASIS Training Page
 - <https://www.noaasis.noaa.gov/pdf/docs/TWG2019/1400%20OTT%20Hydromet%20DCPs.pdf>
- Microcom
 - <https://www.noaasis.noaa.gov/pdf/docs/TWG2019/XPress-Integrated%20Data%20Collection%20Platform.pdf>
 - https://www.noaasis.noaa.gov/pdf/docs/TWG2022/Setting_up_and_Troubleshooting_a_Microcom_GTX%20Taylor.pdf



Open DCS

- Open DCS
 - Andrew Gilmore - 2024
 - <https://www.noaasis.noaa.gov/pdf/docs/TWG2024/1500%20OpenDCS,%20LRGS%20Gilmore.pdf>
- General LRGS server operations
 - Mike Maloney
 - <https://www.noaasis.noaa.gov/pdf/docs/TWG2019/LRGS%20Overview.pdf>



Open Q & A - Site Setup and DCPs

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