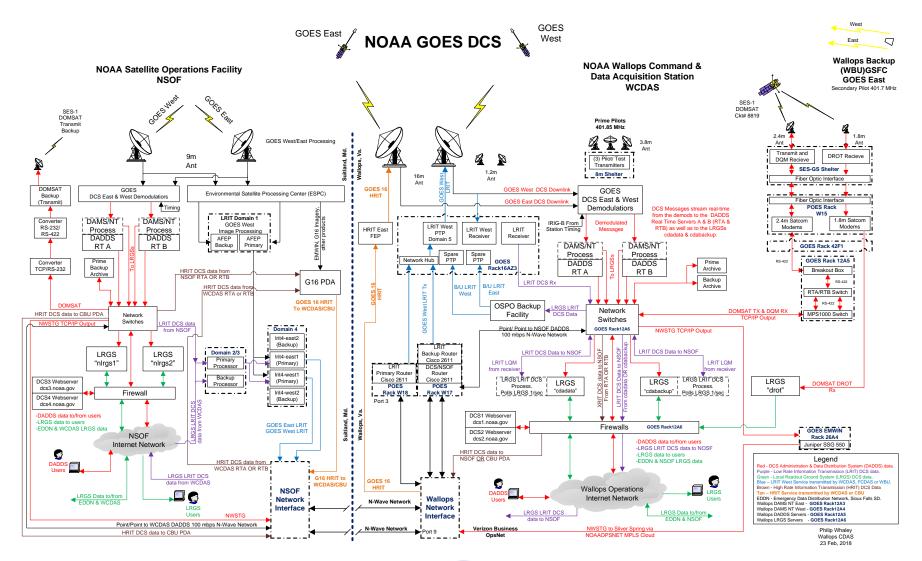
NOAA Command and Data Acquisition Station



The Big Picture





NOAA Satellite and Information Service 🗸 🗸 🗸

National Environmental Satellite, Data, and Information Service (NESDIS)

DCS (GOES Data Collection System)

- DCS receives a combined 34K messages an hour from our GOES-16 (East) and GOES-15 (West) satellites.
- DCS has several different mechanisms for data retrieval provide by NOAA.
 - DADDS (DCS Administration and Data Distribution System)
 - NWSTG feed
 - DOMSAT commercial satellite feed
 - LRGS (Local Readout Ground System)
 - LRIT (GOES-15) and HRIT (GOES-16)



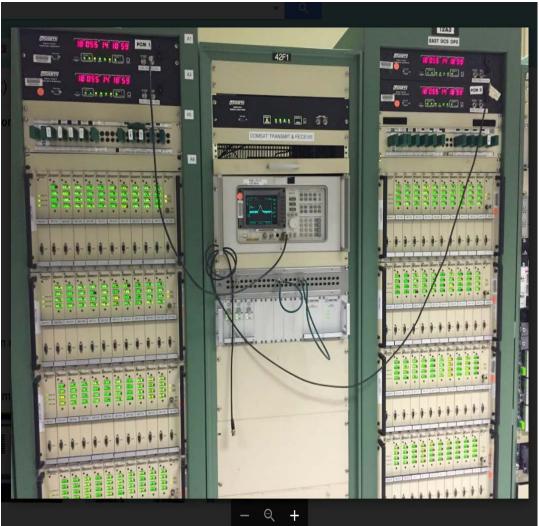
How Do We Get All of the Messages?





The Demods and DCPMs'

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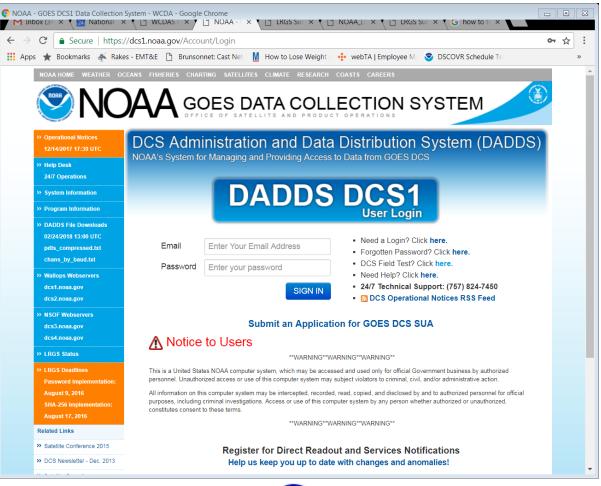


The Servers





LRGS Information





National Environmental Satellite, Data, and Information Service (NESDIS)

LRGS Information



LRGS Summary Status

UTC: February 24, 2018 13:21:09 (Day 055)

Host Name	Status Time	LRGS Status	Primary Downlink Status	Primary Quality Last Hour	Aggregate Quality Last Hour	Msgs This Hour	Num DDS Clients	ILEX LRGS Version
<u>cdadata.wcda.noaa.gov</u>	02/24 13:20:53	OK	DRGS:Active	99.51%	99.51%	12687	98	9.1
cdabackup.wcda.noaa.gov	02/24 13:20:42	OK	DRGS:Active	99.51%	99.51%	12580	40	9.1
cdadrot.wcda.noaa.gov	02/24 13:20:57	OK	DOMSAT:Active	99.59%	99.59%	12708	12	9.1
<u>nlrgs1.noaa.gov</u>	02/24 13:18:13	OK	DRGS:Active	99.5%	99.5%	11230	5	9.1
<u>nlrgs2.noaa.gov</u>	02/24 13:19:00	OK	DRGS:Active	99.49%	99.49%	11730	6	9.1
lrgseddn1.cr.usgs.gov	02/24 13:20:41	OK	DDS:Active	99.5%	99.5%	12570	56	9.1
lrgseddn2.cr.usgs.gov	02/24 13:20:41	OK	DDS:Active	99.51%	99.51%	12665	30	9.1
lrgseddn3.cr.usgs.gov	02/24 13:20:41	OK	DDS:Active	99.5%	99.5%	12572	23	9.1



LRGS Servers

• There are several LRGS Servers. They are at different locations across the country.





LRGS Monitoring GUI

WARNING CDADATA 2018/02/24-	14:17:10 DdsRecv:2 Error making connection to	172.16.102.185:16003: Irgs Irgsmain LrgsInpu	Exception: IO Error on connection to 172.16.1	102.185:16003: Java
Hure Jole		Adoughdae:	reduy	
Server: Texter ISSUIDADUSA U.S.L.COMMONDF U.S.M.		LRGS:DROT	LRIT: CDADATA	LRIT: CDABACKUP
		Den Saurer Downlink	System States Domiant	System State: Runaling
Date Inverse Grants	Data Server Uplink	Taylor Sata Running	Taples Times 02/24 14:20:23	System Tree: 02/24 14/20/223
Spears Status Running	System Times 02/24 14:20:23	System Time 02/24 14:20:24	atts severa localitions	too server localhost
Nan Cherter 53	San Carlos Carlos Carlos	Nan Cleritz 11	Last.Mac 02/22 01:45:32	Last Hug. 02/24 14:20:24
SCHEAT Date MA	DOMAN Savet DUA	SCHOAT SHEE	Hope 04/002 0 / 0 / 0 /	Hope (MM4.): 0/464/11001
Hermann 12274	Menune 12374	Weinager 17245	Hare BHMAI 0/0/0	FRIS 0(MA) 8/20/12
Drapedt NVA	Branet NA	Draceett 0	Quesed BMAL 07070	Queued domAta 0/0/0
Latavited NYA	Ferneret. NIA	Arconnet NA	Genari 24 Holt 440,00,213,48	Conser 14 Find: 140.90.213.48
Acres Distances in the local distances in the	Karre D	Alarma Dana	Darsen 29 Heit \$40,90,213,47	Daman 21 Hatt. 140.90.213.47
			Dollars 20 Hatti 172.25.5.28	Donwn X: Hork 172.26.2.28
			Alarma D	Alarian D.
BARONTHO CDADATA 2018/02/24-14:19:58	8 Trivalid arguments in AnthOello measage 'envious ' 8 Disfive Received AnthNello missing required argu	from aliant (unknown)0205.103.02.247(14-1855252)	01	
MURACING CURANCOM/22018/02/24-14:20:1	19 Invalid arguments in AnthHello message (suvnam	19055141848 - Fram client (unknown) 9205-193-92,247 (id=1149454		



User Account Setup

- Call a DCS operator at 757-824-7450 to begin the process for account set up.
- Have available the following:
 - Name
 - Email Address
 - Organization
 - Telephone Number
 - Preferred 6-character user name



Important Note

- Your DADDS account and your LRGS account are different.
- DADDS and LRGS are two separate systems and the usernames are not interchangeable.



User Account Set Up

- Must be a unique username.
 - We will check to see if you username is available.
 - Currently, once you establish your password there is no requirement to change it.
 - Once your account is established, it will be immediately available on CDADATA. Your credentials will propagate to the other LRGS machines within 24 hours.



Password Convention

- An initial password is generated by a GUI interface located at Wallops.
- The DCS operator will provide your new password over the phone.
- You may choose to keep this password or change it at you leisure.
- IT security requirements will not let us email you the password at this time.



Password Convention

NOAA CITR-021 Password Requirements

- Passwords must contain at least 12 non-blank characters
- Password must contain 3 of the following four character classes: upper case letters, lower case letters, digits, special characters.
- Passwords cannot contain the user name or any dictionary word or acronym that is 5 characters or longer
- When changing a password, you cannot reuse any of the last 8 passwords, or any password that was set in the past 2 years.



Password Convention

- Users can change their passwords if so desired.
- The instructions are found in the Client User Guide provided on the download page.
- Additionally, we cannot see your password once it has been initially created. If you forget, you will have to call the Wallops DCS help desk to have a new one created.

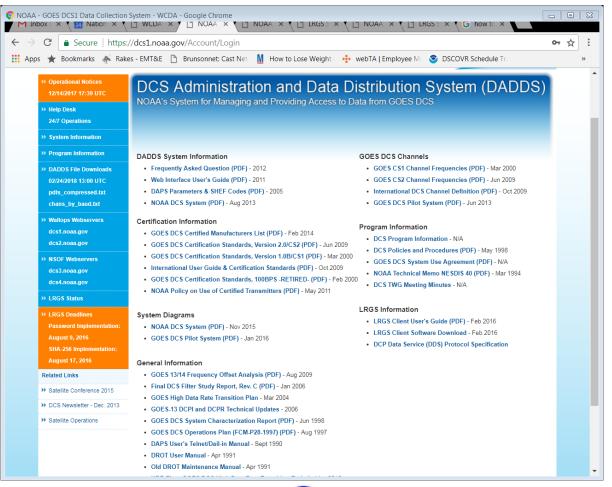


Downloads

- You do not need to login to your DADDS account to download the client
- Go to our web page for the download link
- DCS1.NOAA.gov, DCS2.NOAA.gov
- Download the user manual first and read the particulars for your particular application
- Download the client software



LRGS Downloads





NOAA Satellite and Information Service

LRGS Downloads

Imbox X WDAr X INDAA X Index Index	© NOAA - GOES DCS1 Data Collection Sy	stem - WCDA - Google Chrome
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LRGS Support

- Wallops has very limited support for LRGS
- It's a free OpenDCS suite developed several years ago to give users another option for data retrieval.
- At Wallops we issue passwords for the system, keep the interface servers running and ensure DCS data is flowing to the LRGS's.



LRGS Support

 Wallops staff does not help with installation of the client software. We provide a secure download of the latest client and user guides.



LRGS Support

 If you have detailed LrgsClient questions, contact Cove Software, LLC for specific application support. Cove's phone number is listed in the last page of the user manual.

