



P 1.1 User Interaction with GOES-R Series

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Abstract: The users of GOES-R data require several categories of services and data types provided by the Ground System. This poster addresses the services and data available in several categories: real-time data products, archived data, rebroadcast data, services and data, and supported data (DCS, EMWIN, LRIT, SARSAT).

Service	Sat Rx (Uplink, MHz)			Sat Tx (Downlink, MHz)			
	Band	Center Freq	Bandwidth	Band	Center Freq	Bandwidth	Rate
GRB	X	7219.000	12.000	L	1689.000	12.000	>24 Mbps
LRIT	S	2028.400	0.600	L	1694.400	0.600	256 kbps
EMWIN	S	2037.700	0.160	L	1695.700	0.160	128 kbps
DCPR	UHF	401.900	0.200	L	1697.650	0.700	1200 bps
DCPI	S	2034.838	0.100	UHF	468.835	0.800	2400 bps
SARSAT	UHF	406.050	0.100	L	1544.500	0.100	400 bps
Sensor Data				X	8120.000	180.000	160 Mbps

Unique Payload Services

- Relay between DAPS and 1000s of DCPs
- Relay of EMWIN from NWS
- Relay of LRIT
- Relay of SARSAT

GOES-R Rebroadcast (GRB)

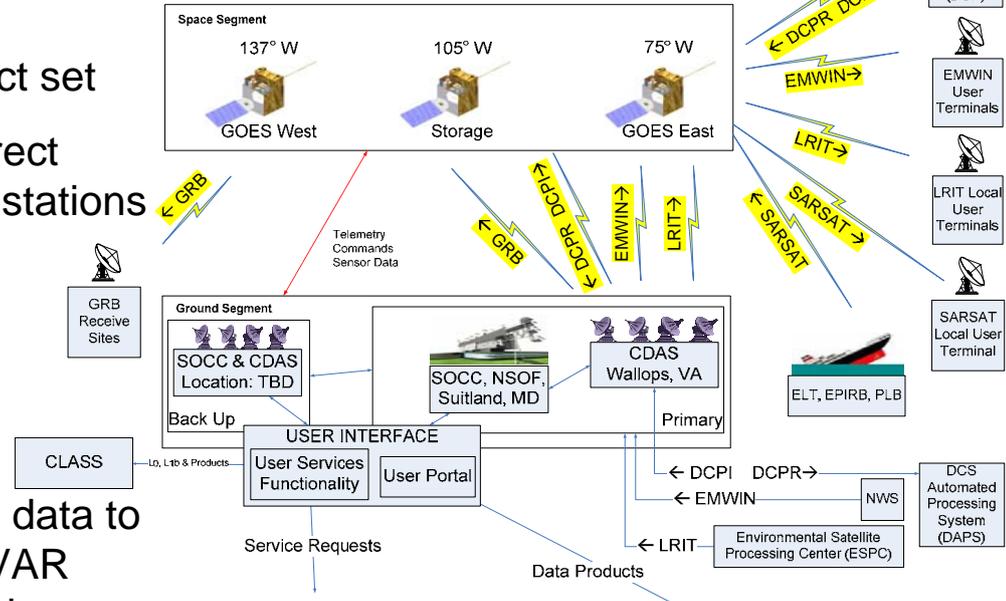
- Full L1b product set
- Available to direct receive ground stations (DRGS)

GVAR Rebroadcast

- Provide GVAR data to GOES-N for GVAR rebroadcast during transition to GRB

Data Archive

- Access for Retrospective Users
- Long-term storage provided by CLASS



User Service Requests

- Rapid Scans
- Product Retransmit
- Satellite Status
- Ground System Status

Data Products

- Access for Operational Users
- Subscription (push/pull) service
- 70 basic products (no HES)
- Multiple formats