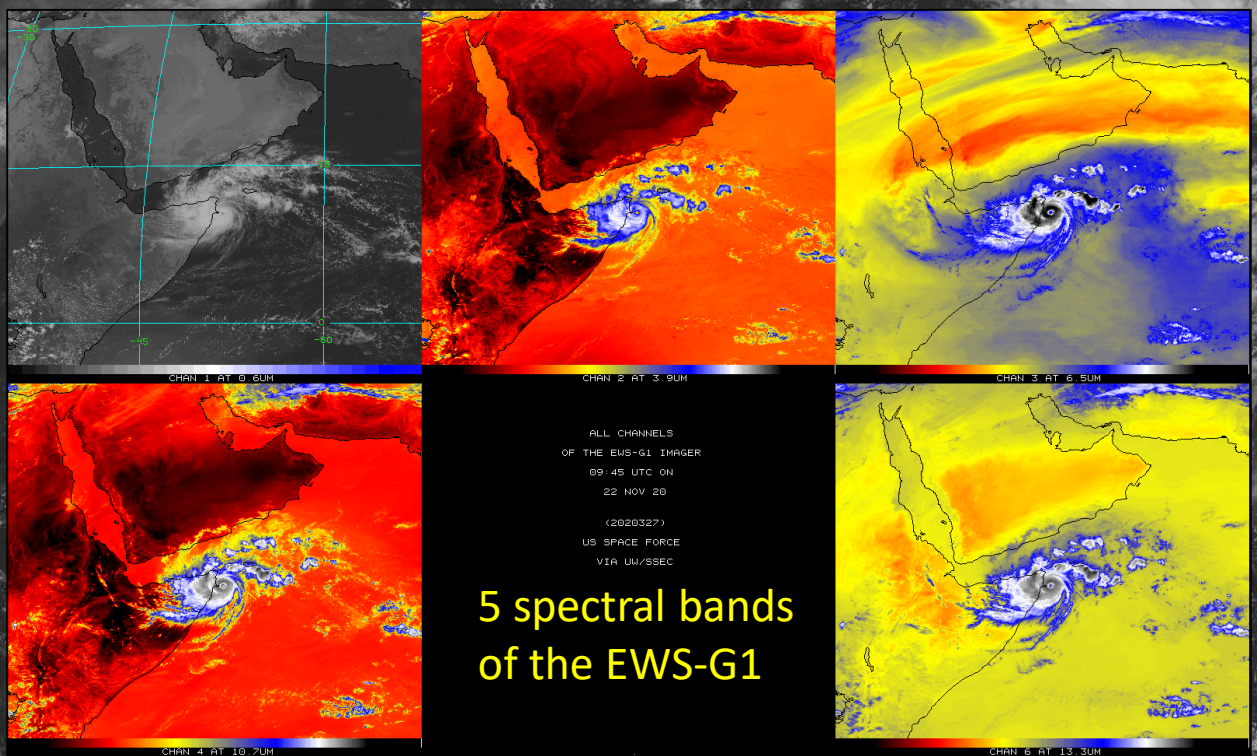


EWS-G1: Electro-optical Infrared Weather System Geostationary

- US Space Force Mission
 - Location: ~ 61.5 East Longitude
- Formerly NOAA's GOES-13 (Launched 2006)
- 5 spectral band imager
 - 1 visible and 4 infrared bands
 - Downlink format: GVAR (GOES Variable)
- Imagery (UW/SSEC Data Services):
 - <https://www.ssec.wisc.edu/data/geo/#/animation?satellite=ews-g1>



CIMSS Satellite Blog:

- <https://cimss.ssec.wisc.edu/satellite-blog/archives/category/ews-g1>

GOES Imager Band	Wavelength Range (μm)	Central Wavelength (μm)	Meteorological Objective
1	0.55 to 0.75	0.65	Cloud cover and surface features during the day
2	3.8 to 4.0	3.9	Low cloud/fog and fire detection
3	6.5 to 7.0 5.8 to 7.3	6.75 (GOES-8/11) 6.48 (GOES-12/13)	Upper-level water vapor
4	10.2 to 11.2	10.7	Surface or cloud top temperature
5	11.5 to 12.5	12.0 (GOES-8/11)	Surface or cloud top temperature and low-level water vapor
6	12.9 to 13.7	13.3 (GOES-12/13)	CO ₂ band: Cloud detection

NOAA Tech memo #125
(Hillger and Schmit, 2006)