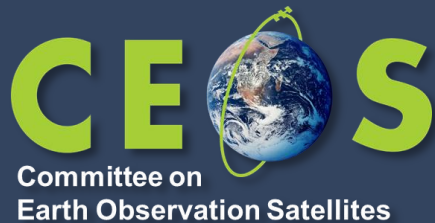


USGS AVHRR Dataset



Longhenry/Sohre, USGS
Agenda Item 8.4
WGISS-61
16-20 March, 2026
Dehradun, India

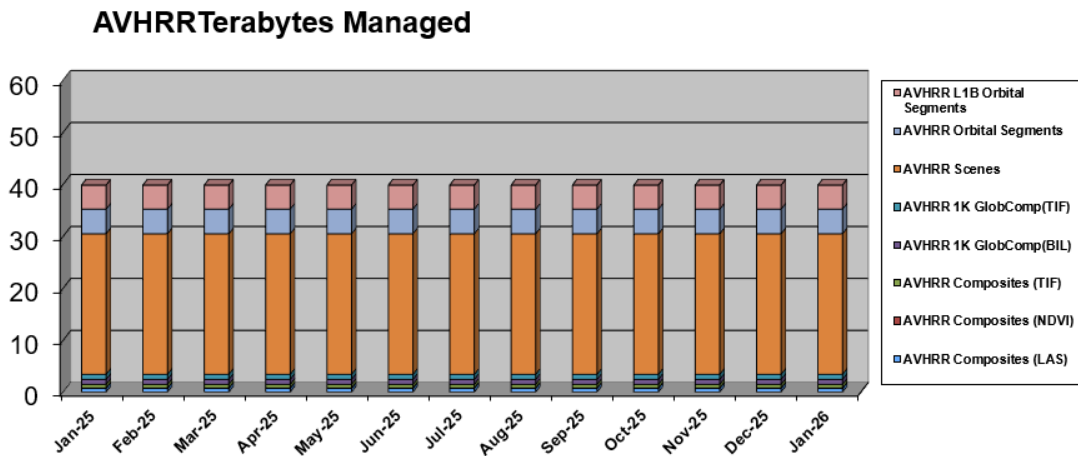
USGS EROS AVHRR Archive



USGS EROS maintains one of the longest continuous AVHRR data records with a near-continuous, 40-year (1979-2019) global record represent by nearly 40 TB of data and over 500,000 acquisitions

Static inventory spans multiple NOAA platforms (TIROS-N through present-day POES) and includes Level-1B (raw radiance) and Global Area Coverage (GAC) products.

This archive complements newer missions by extending time series back to early satellite era.



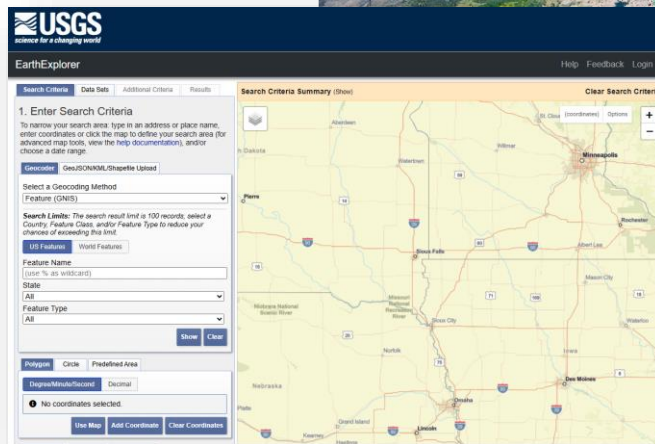
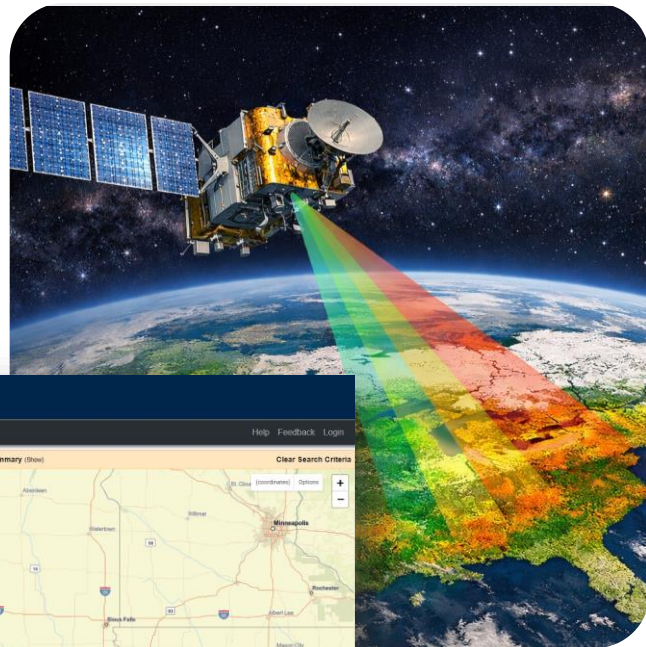
Data Access & Format



AVHRR Global 1K, Composites and Orbital
Segments all available through USGS
EarthExplorer
(<https://earthexplorer.usgs.gov/>)

Products include metadata and
documentation for scientific use.

Publicly available, free-and-open data.



AVHRR Data Products



Daily, weekly, and composite datasets depending on product providing inputs for NDVI, snow/ice monitoring, fire detection, SST, and more.

Available channels include visible, near-IR, thermal IR (varies by satellite generation).

Acquisitions support climate, vegetation, surface temperature, and land-change applications and is critical for long-term monitoring of Earth's surface and atmosphere.

More information can be found at:
<https://doi.org/10.5066/F7K35S5K>

