Intro for episode page: A new Landsat project is adding more images of polar regions so that the rapid changes happening there can be mapped in more detail.

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**Eyes on Earth Episode 116 – Landsat Images the Twilight Zone**

**Summary**: Landsat has documented changes all over the world for over 50 years. Changes in polar regions are happening especially rapidly. But it’s dark in polar regions much of the time. Therefore, a new acquisition scheme is adding more imagery of these dark, polar regions so these changes can be studied in more detail, even in polar twilight. In this episode of Eyes on Earth, we learn about this project, called the Landsat Extended Acquisition of the Poles (LEAP).

**Guest**: Dr. Chris Crawford, USGS Research Physical Scientist

**Host**: Tom Adamson (contractor for USGS EROS)

**Producer**: Tom Adamson (contractor for USGS EROS)

**Release date**: Monday, April 8, 2024

**More about Landsat Acquisitions**:

* [Paper published in Eos](https://eos.org/science-updates/monitoring-polar-ice-change-in-the-twilight-zone)
* [USGS Data Release](https://www.sciencebase.gov/catalog/item/65ca8963d34ef4b119cb3343)
* [Landsat Data Acquisition Request page](https://landsat.usgs.gov/landsat-data-acquisition-request)
* [Landsat Acquisitions](https://www.usgs.gov/landsat-missions/landsat-acquisitions)

**Related Episodes:**

* [Episode 59: Landsat 9 Ground System](https://www.usgs.gov/centers/eros/eyes-earth-episode-59-landsat-9-ground-system)
* [Episode 90: Landsat 8 Turns 10](https://www.usgs.gov/centers/eros/science/eyes-earth-episode-90-landsat-8-turns-10)
* [Episode 85: Landsat 7 Extended Science Mission](https://www.usgs.gov/centers/eros/science/eyes-earth-episode-85-landsat-7-extended-science-mission)
* [Episode 20: Mapping Alaska’s Permafrost](https://www.usgs.gov/centers/eros/eyes-earth-episode-20-mapping-alaskas-permafrost)

**Keywords**: Earth Resources Observation and Science (EROS) Center, Eyes on Earth, Landsat, polar, Arctic, Antarctic, ice shelves, ice sheets, glaciers, calving, sea ice, polynyas, thermal infrared, data acquisitions

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**Homepage descriptor**: This episode of our remote sensing podcast describes the Landsat Extended Acquisition of the Poles (LEAP) project.

**Topics this could go in:** Data, Landsat, Remote Sensing, Water

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