Intro for episode page: The same as the Landsat satellite, only smaller—that’s a fair description of the field spectrometer used at the EROS test site for validating Landsat’s accuracy.

***ADD LINK:*** Download and Transcript Access

**Eyes on Earth Episode 136 – The EROS Test Site**

**Summary**:

Landsat has been accurate and reliable for over 50 years because of the diligent calibration and validation work done by the team at EROS. One of the ways the team validates what they have so carefully calibrated is to take measurements on the ground while Landsat passes by overhead. For this Eyes on Earth podcast episode, we go out to the EROS test site during a Landsat pass to get a sense of what that work is like. Learn about the instruments used for this work and why it’s important to keeping Landsat as the gold standard for Earth observations.

**Guests:**

Jeff Irwin, USGS EROS

Travis Kropuenske, KBR, contractor for USGS EROS

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

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

**Release date:** Tuesday, June 10, 2025

**More about Calibration and Validation at EROS**:

* [EROS CalVal Center of Excellence (ECCOE)](https://www.usgs.gov/calval)
* [ECCOE Test Sites Catalog](https://www.usgs.gov/tools/test-sites-catalog)
* [Landsat Missions](https://www.usgs.gov/landsat-missions)
* [Landsat Acquisition Tool](https://landsat.usgs.gov/landsat_acq)
* [USGS Uncrewed Aircraft Team Visits USGS EROS](https://www.usgs.gov/centers/eros/news/usgs-uncrewed-aircraft-team-visits-usgs-eros)

**Related Episodes:**

* [Episode 134 – Data Accuracy: The Calibration and Validation of Landsat](https://www.usgs.gov/centers/eros/science/eyes-earth-episode-134-data-accuracy-calibration-and-validation-landsat)
* [Episode 94 – EROS 50th: Collaborations with SDSU](https://www.usgs.gov/centers/eros/science/eyes-earth-episode-94-eros-50th-collaborations-sdsu)
* [Episode 32 – Lunar Calibration](https://www.usgs.gov/centers/eros/eyes-earth-episode-32-lunar-calibration)

**Keywords**: Earth Resources Observation and Science (EROS) Center, Eyes on Earth, Landsat, Cal/Val, calibration, validation, spectrometers

<https://cms.usgs.gov/media/images/thumbnail-image-eoe-episode-136-eros-test-site>

<https://cms.usgs.gov/media/images/homepage-image-eoe-episode-136-eros-test-site>

**Homepage descriptor**: For this episode of our remote sensing podcast, we go to the field test site at EROS to see how the calibration/validation team validates the accuracy of the Landsat data.

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

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