



UTAHVIEW 2020 - 2021



UTAHVIEW 2020 - 2021 ACTIVITIES

UtahView is hosted by the Remote Sensing/GIS Laboratory in the Quinney College of Natural Resources at Utah State University in Logan, Utah. Dr. R. Douglas Ramsey is the UtahView Principal Investigator and Ellie Leydsman McGinty is the UtahView State Coordinator. During GY20, UtahView (1) developed a series of introductory Landsat Analysis Ready Data (ARD) videos, (2) created a series of Landsat infographic posters, and (3) continued to expand and exhibit the Utah As Art map collection.

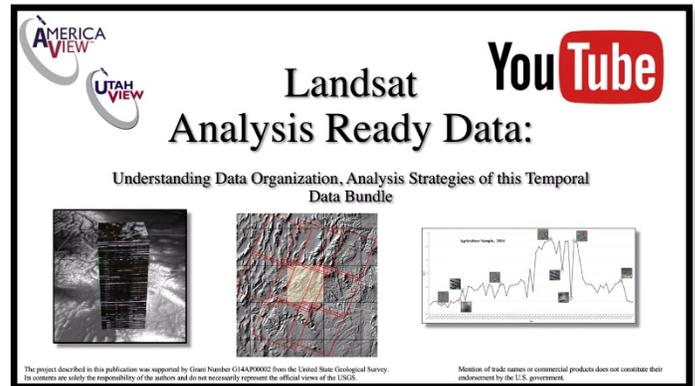
The Landsat ARD videos were developed to provide an overview of Landsat data products and to highlight the use and application of ARD. The videos consist of three parts and are available on YouTube.

- 1) [An Introduction to USGS Landsat ARD Products – Part 1](#)
- 2) [An Introduction to USGS Landsat ARD Products – Part 2](#)
- 3) [An Introduction to USGS Landsat ARD Products – Part 3](#)

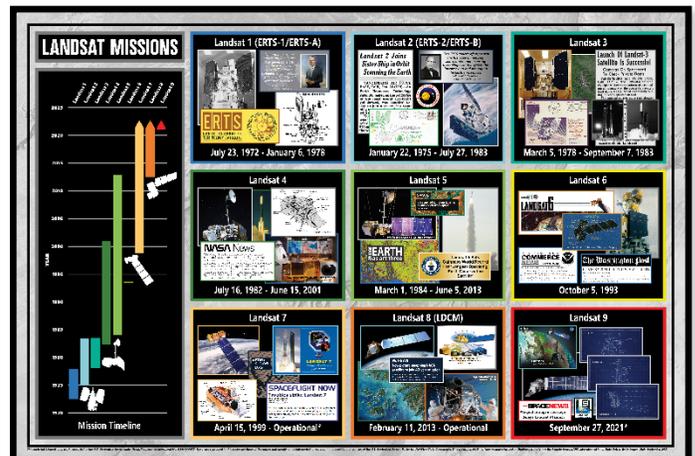
A series of Landsat infographic posters were created in response to a request by the USGS to develop some materials that could be used for education and outreach. Four posters were developed. They are presently hosted on the AmericaView website.

- 1) [Landsat Missions](#)
- 2) [Landsat Collections](#)
- 3) [Landsat Products](#)
- 4) [Landsat Analysis Ready Data](#)

The Utah As Art map collection, a localized version of the [USGS Earth As Art program](#), uses Landsat and Sentinel-2 imagery to create maps that increase geographic awareness and literacy, demonstrate one of the many values of satellite imagery, and display the diverse landscapes of Utah. During GY20, UtahView exhibited this map collection at two locations in Davis County, Utah, for the Davis Arts Council. The Utah As Art map collection was displayed at the Snow Horse Art Gallery at the Davis Conference Center from June 1, 2021 to August 30, 2021 and then at the Snow Horse Art Gallery at the Intermountain Layton Hospital from September 1, 2021 to November 30, 2021.



UtahView Landsat Analysis Ready Data (ARD) videos.



UtahView Landsat infographic poster – Landsat Missions.



Utah As Art exhibit at the Davis Conference Center in Layton, Utah.

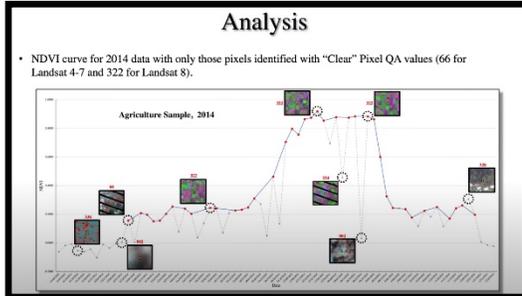
UtahView is a member of the AmericaView Consortium, a nationally coordinated network of academic, agency, non-profit, and industry partners and cooperators that share the vision of promoting and supporting the use of remote sensing data and technology within each state. AmericaView is funded by USGS grant agreement G18AP00077.



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BENEFITS TO UTAH

One of the overarching objectives of UtahView is to develop educational materials and to participate in events that promote and further the understanding of geospatial science and applications. Through these GY20 activities, UtahView has continued to support this objective. The Landsat ARD videos provide an easily accessible resource to students and professionals to learn about the basics of an invaluable Landsat data product. The Landsat infographic posters provide a great deal of information to anyone wanting to learn more about the Landsat missions, Landsat satellites and sensors, Landsat collections and collection tiers, Landsat data and science products, and Landsat ARD products. The Utah As Art map collection serves as a visual and aesthetically pleasing educational resource to a wide audience. The recent Utah As Art exhibits in Davis County, Utah, allowed the map collection to be viewed by conference attendees, participants of public events and private gatherings, healthcare workers, and the general public. In addition to these exhibits, UtahView created a map of Santa Barbara County, California, for the events associated with the Landsat 9 launch. This map was used to print a large-format puzzle which served as an interactive educational activity in Lompoc, California.



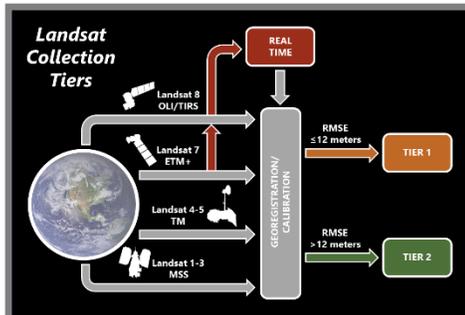
Landsat ARD analysis example from the Part 3 video.



Utah As Art – Flaming Gorge.



Utah As Art – Bonneville Basin and Uinta Mountains.



Landsat collection tiers figure from poster.



Santa Barbara County puzzle in action.



Santa Barbara County puzzle on display.

UTAHVIEW CONSORTIUM MEMBERSHIP

The UtahView consortium membership consists of [Dr. R. Douglas Ramsey](#), Professor in the Quinney College of Natural Resources and Director of the Remote Sensing/GIS Laboratory at Utah State University; [Dr. Phoebe McNeally](#), Research Associate Professor and Director of the [DIGIT Laboratory](#) at the University of Utah; [Dr. Sowmya Selvarajan](#), Assistant Professor of Geomatics at Utah Valley University; [Ellie Leydsman McGinty](#), Researcher III in the Remote Sensing/GIS Laboratory and UtahView State Coordinator; and the [Utah Geographic Information Council \(UGIC\)](#). Collectively, these consortium members bring a wealth of scientific, outreach, and technical experience to the urban, rural, and wildland regions of Utah.



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