

USGS LandsatLook Viewer: Past, Present, and Future

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Abstract:

The LandsatLook Viewer is a prototype interface that was developed to allow rapid visualization and access to the Landsat 1-8 archive. The Viewer allows the user to: (1) interactively explore the complete Landsat 1-8 archive at up to full resolution from a common web browser; (2) search for specific Landsat images based on area of interest, date, and/or cloud cover; (3) step through time using a time slider capability ; (4) display configurable map information in combination with the Landsat imagery; (5) export a graphic based on the selected image area; and (6) view metadata and download the full-band source imagery if needed.

This presentation will provide a brief overview and demonstration of the LandsatLook Viewer, highlighting some recent and near-term planned improvements to the system. The presentation will then be followed by an interactive discussion to obtain user input and feedback on potential longer-term developments for the LandsatLook Viewer.

Keywords: Landsat, data discovery, data access, visualization