
Web-Enabled Landsat Data (WELD)

**Land Remote Sensing Data Access Workshop
March 13-14, 2012**

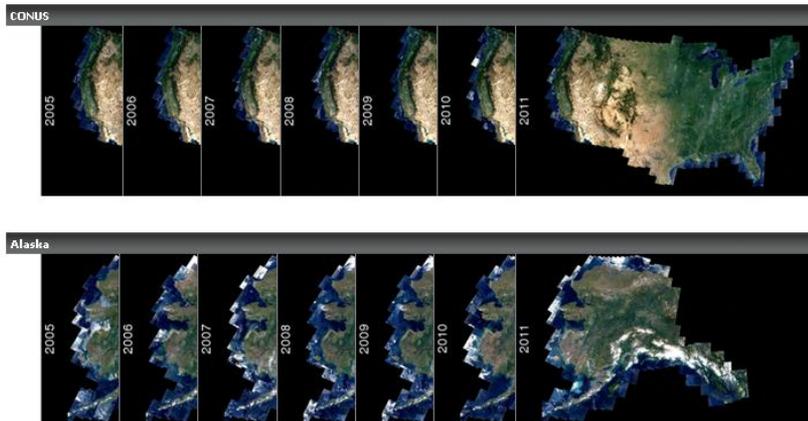
Web-Enabled Landsat Data (WELD)

- **Overview**
- **Available Data**
- **Features and Functions**
- **Use Cases (Handouts)**
- **Feedback (Handout)**

WELD Overview



Available Years:



Interface Help

WELD Product Information

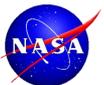
Distribution Metrics

The WELD WYSIWYG interface was developed by South Dakota State University and is operated by USGS EROS.

WELD WYSIWYG

(weld.cr.usgs.gov)

is a What-You-See-Is-What-You-Get interface providing access to Landsat composites developed by South Dakota State University with NASA MEaSUREs funding.

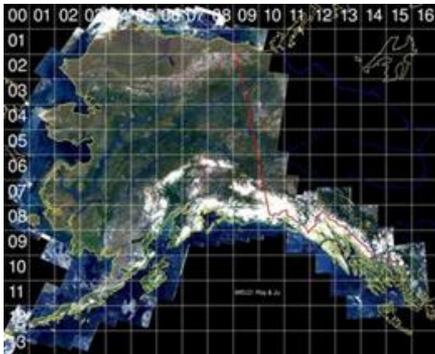
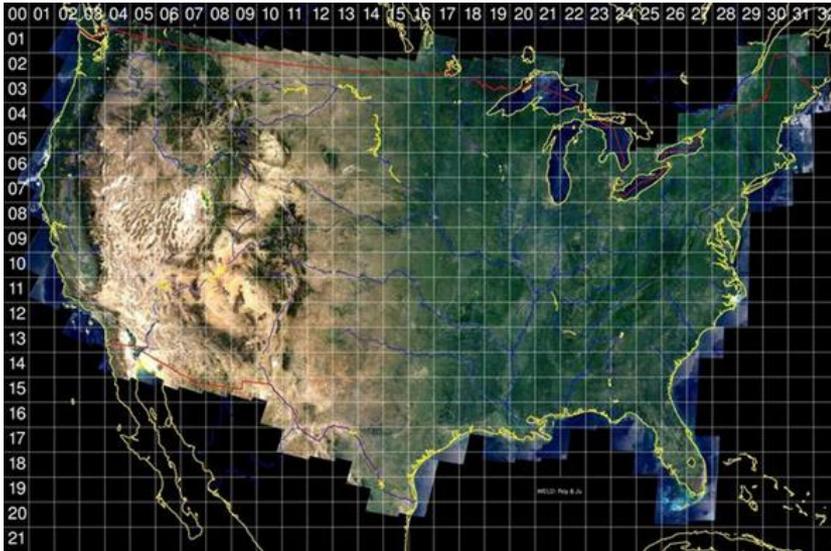


WELD Overview, cont'd

WELD Tile FTP

(<ftp://weldftp.cr.usgs.gov>)

is an FTP site for direct download of the WELD products in native HDF tile format.



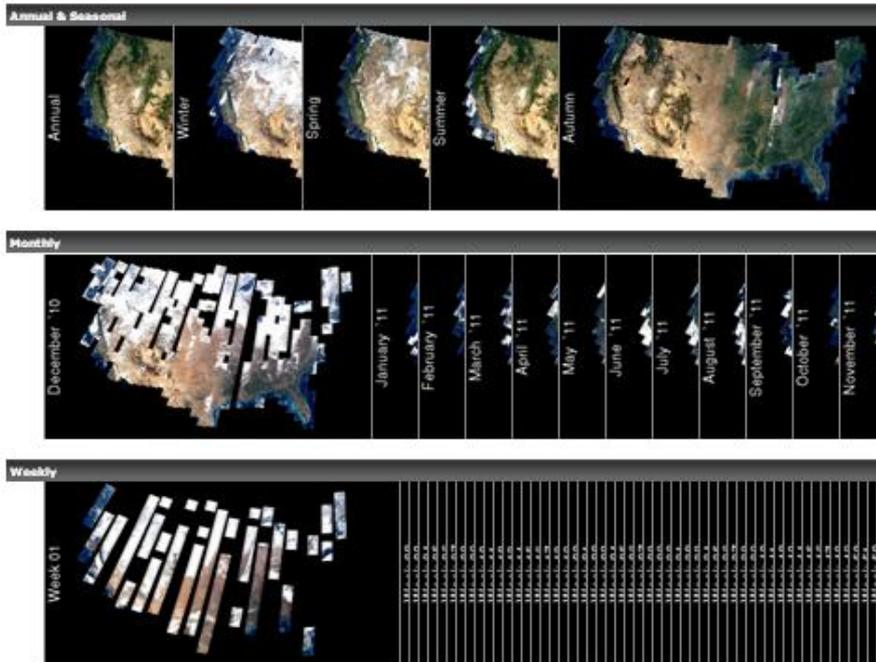
The WELD FTP interface operated by USGS EROS.

WELD Data Availability



CONUS 2011

Home



Landsat ETM+

- CONUS & AK
- 2005 – 2011
- Annual, seasonal, monthly, and weekly composites
- Top-of-atmosphere reflectance and brightness temperature
- Pixel-level quality assurance data

WELD Features and Functions

- **WYSIWYG interface**
 - Visualize data via browse
 - Navigate in space and time
 - Spatial and band subsetting
 - Multidate data extraction
 - GeoTIFF format
 - Single pixel time series extraction to .txt file
 - Less than 89 million pixels at a time

WELD Features and Functions, cont'd

- **FTP**
 - **Navigate directories by year, then location and composite interval**
 - **Files labeled by horizontal and vertical tile location**
 - **HDF format**

Use Case 1

ORDER DATA FOR A ONE-YEAR TIME SERIES WITH SELECTED BANDS



Use Case 2

DIRECTLY DOWNLOAD DATA IN HDF FORMAT



WELD Feedback

- **Tell us what you think! Your opinions and comments are very important. We do appreciate your taking the time to fill out our form.**