

# How to download data from

## GLOVIS

<http://glovis.usgs.gov>

- Determine the following :
  - 1- The type of data you want to download (e.g. Landsat 7 ETM data )
  - 2- The path and row of the scene you want. You can get that from the index map of the ETM scenes distribution.
- Go to the GLOVIS website ( <http://glovis.usgs.gov> ) .
- Follow the following instructions.



# GloVis

## Welcome to GloVis

Since 2001, the USGS Global Visualization Viewer (GloVis) has been available to users for accessing remote sensing data. In 2017, it was redesigned to address changing internet technologies. With easy-to-use navigation tools, users can instantly view and download scenes.

This viewer allows you to:

- Use existing [EROS Registration System \(ERS\)](#) credentials to sign in
- Narrow down results by limiting your parameters on the Interface Control
- View multiple scenes at once and step through time using the controls in the lower right-hand corner
- View metadata and download the full-band source imagery
- Adjust settings to customize the user experience

**New Features**

- Jump directly to a known scene ID within a data set
- Timeline view of results for temporal and co-discovery visualization
- Keyboard shortcuts for more efficient scene and timeline navigation
- Full screen mode for maximum map size

*The [release notes](#) page has a more complete list of new features*



1 Go to the GLOVIS website at: ( <https://glovis.usgs.gov> )  
2- Press on " Login "



## EROS Registration System (ERS)

ERS consolidates user profile and authentication for all EROS web services into a single independent application.

# Sign In

sign in with your existing USGS registered username and password

**3- Fill in Username and Password  
4- Press on " Sign in"**

[forgot password?](#)

Don't have an account?



# GloVis

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[LAUNCH GLOVIS IN FULL SCREEN MODE](#) [LAUNCH GLOVIS](#)

### New Features

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**5- Press on " LAUNCH GLOVIS"**

Interface Controls

Selected Scenes (0)

Choose Your Data Set(s)

Data Set Filter

- Landsat 4-5 TM C1 Level-1
- Landsat 7 ETM+ C1 Level-1
- Landsat 8 OLI/TIRS C1 Level-1
- OrbView-3
- Sentinel-2
- SRTM Void Filled

Metadata Filter

**Date Range**  
 to

**Cloud Cover**  
 to

**Months**

APPLY CLEAR

1- Choose the tata type you want choose "Landsat 7"

Lat: 23.8467, Lon: 36.8156

- Current Location
- Lat/Lng
- Scene ID
- WRS Path/Row

2- Press this icon  
 3- From the dropdown menu choose "WRS path/row"



Landsat 7 ETM+ C1 Level-1 LE07\_L1TP\_173044\_20161220\_20170124\_01\_T1

Timeline View  
 2017 2018  
 ← 2016-12-20 →

Current Scene Opacity [Slider]

Time Scale  
 YEAR MONTH DAY

View Metadata Hide Scene  
 Download Share  
 Previous Next  
 Select

Selected Scenes (0)

Lat: 23.8517, Lon:  
36.5136

4- This window appears, inter the path and raw of the image you want. Take care that there are tow types of WRS data  
WRS-2 = Landsat 7 ETM data  
WRS-1 = Landsat 5 MSS data  
be sure to choose "WRS-2" data

**Jump to WRS Path/Row** [X]

WRS Grid Type  
WRS-2 [v]

Path [ ] Row [ ]

JUMP TO LOCATION CLOSE

5- Press "Jump to location"

Landsat 7 ETM+ C1 Level-1 LE07\_L1TP\_173044\_20161220\_20170124\_01\_T1

Landsat 7 ETM+ C1 Level-1

2017

2018

Timeline View

2016-12-20

Current Scene Opacity

Time Scale

YEAR MONTH DAY

View Metadata Hide Scene  
Download Share  
Previous Next  
Select

Interface Controls

Selected Scenes (0)

Lat: 23.5310, Lon: 33.6389

Choose Your Data Set(s)

Data Set Filter

- Landsat 4-5 TM C1 Level-1
- Landsat 7 ETM+ C1 Level-1
- 281 scenes match your criteria.
- Landsat 8 OLI/TIRS C1 Level-1
- OrbView-3
- Sentinel-2
- SRTM Void Filled

Metadata Filter

Date Range

Scene ID

The full name of the scene

Time graph for the exact date of the scene and the previous and next copies of that scene

The map window will jump to the scene you entered its path/raw and an image of the scene will appear

This is to see the meta data of the scene

To download the scene

To choose the same scene of a previous or next date

Leaflet | Map data © OpenStreetMap contributors, USGS/EROS

Landsat 7 ETM+ C1 Level-1 LE07 L1TP 173044 20161220 20170124 01 T1

View Metadata

Hide Scene

Download

Share

Previous

Next

Select

Timeline View

201

DAY

Start

GloVis - Google Ch...

Microsoft PowerPoint...

Untitled1\* [2:3] : AC...

Untitled2\* [1:2] : AC...

EN

1:03 PM

- If you want to review all the information about your scene, press the “Metadata” icon.
- A window will appear in which these information are listed.
- Among these information is the clouds percent in the image.
- If the cloud percent is greater than 1, it is better to choose another copy of the scene of a different date.

GloVis Page Expires In 1:49:47

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Interface Controls Selected Scenes (0)

Lat: 24.0437, Lon: 33.3917

Choose Your Data Set(s)

Data Set Filter

281 scenes

Download Options for LE07\_L1TP\_173044\_20161220\_20170124...

- DOWNLOAD LandsatLook Natural Color Image (10.65 MB)
- DOWNLOAD LandsatLook Thermal Image (10.98 MB)
- DOWNLOAD LandsatLook Quality Image (1.04 MB)
- DOWNLOAD LandsatLook Images with Geographic Reference (22.67 MB)
- DOWNLOAD Level-1 GeoTIFF Data Product (242.51 MB)

Metadata

Date Range

Cloud Cover

0-100 or empty to 0-100 or empty

Months

Jan

APPLY CLEAR

View Metadata Hide Scene

Download Share

Previous Next

Select

Timeline View

Current Scene Opacity

Time Scale YEAR MONTH DAY

2017 2018

2016-12-20

Start GloVis - Google Ch... ##-COVERAGE (IN... Microsoft PowerPoint... Untitled1\* [2:3] : AC... Untitled2\* [2:3] : AC... EN 2:30 PM

- To download the scene press the "Download" icon
- The download window will appear
- The scene bands data is in the lowest download icon
- Press on that icon to download the scene
- The download will start
- The other download icons contain example images of the scene

If you want to download the other files associated with the scene, you can press on the other download icons one by one.

**###- The downloaded file is a compressed file, you had to uncompress it to get the bands files**

The downloaded file will have a name like this:

**LE07\_L1TP\_173044\_20161220\_20170124\_01\_T1.tar.gz**

**-- Date of the scene**  
**-- Path and raw**  
**-- Level of correction done on the scene**  
**-- Landsat 7**