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How to Order a TerraLook Product

A Guide to Searching and Ordering TerraLook Images from the TerraLook Web Site

EROS Training and Education

U.S. Department of the Interior
U.S. Geological Survey

Learning Objectives

- After completing this module the student should be able to
  - Access the TerraLook Web site
  - Select a TerraLook collection from GloVis
  - Order a Terralook collection
  - Download a collection
  - Open a collection in the TerraLook Viewer/Toolkit

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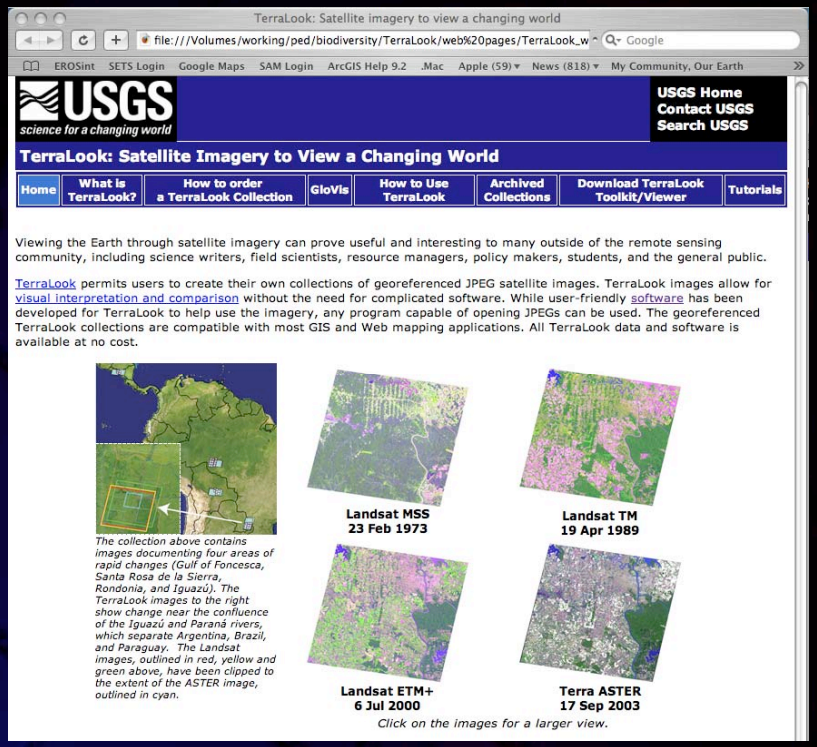
TerraLook Web Site

- General information about TerraLook collections
- Quick guide to searching and ordering TerraLook collections using GloVis
- Archived collections
- TerraLook Viewer/Toolkit
- http://terralook.cr.usgs.gov/



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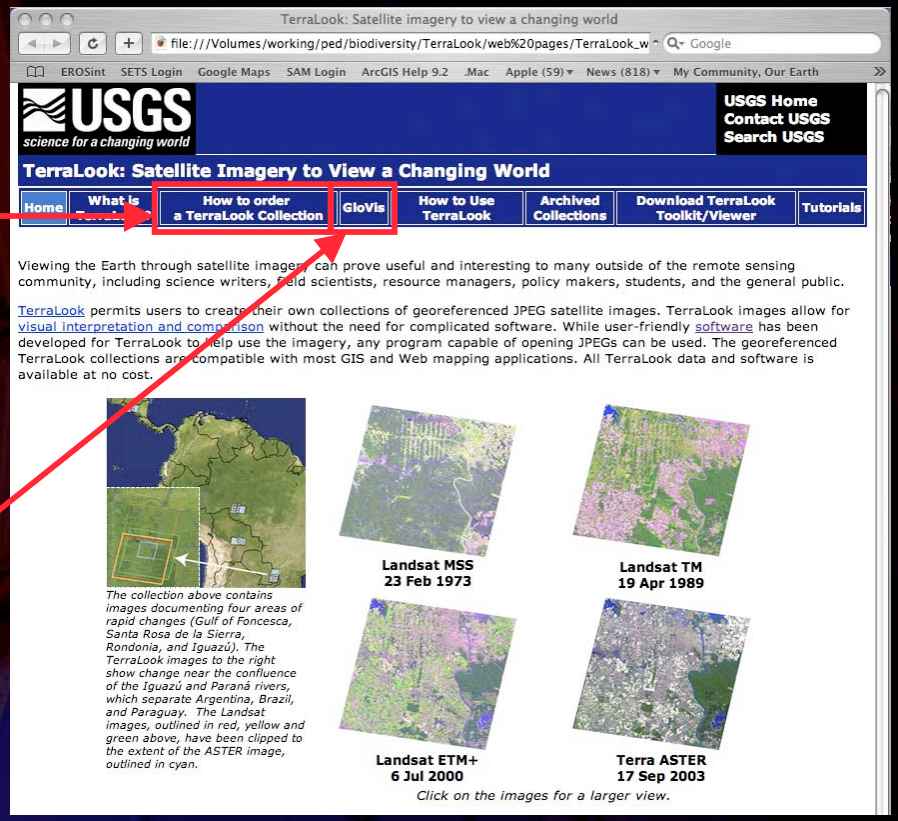
How to Order

- Go to the TerraLook web site
  - Quickly scan "How to order a TerraLook Collection"
  - Go to "Search and Order GloVis" to select a Collection



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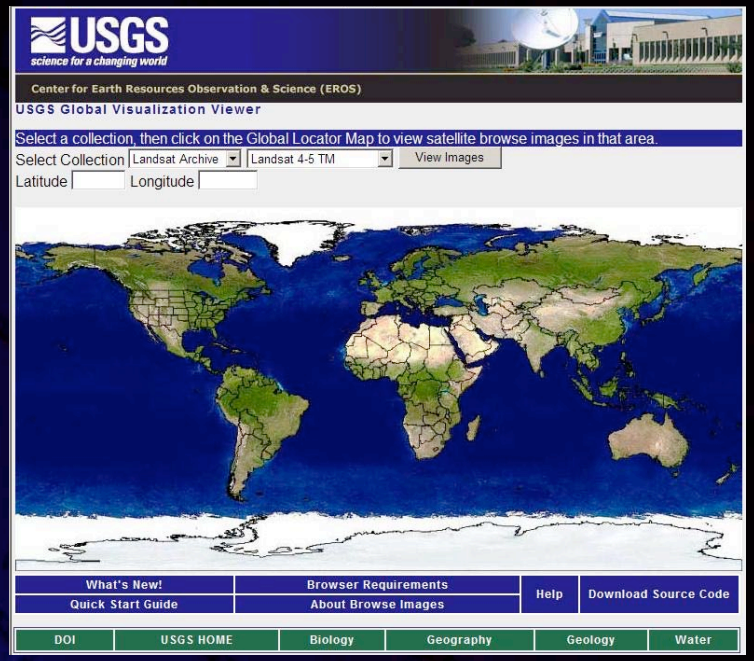
GloVis

- Quick and easy online tool
  - Quick Start Guide
  - About browse images
  - Help
- Search and Order
  - Satellite and aircraft data
  - TerraLook Collections
- Browser Requirements
  - Java 2 (plug-in) and JavaScript support



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Navigation Controls - GloVis

- Location map
- WRS path/row tiles
- Lat/long
- Max cloud
- Arrow buttons
- Scene information
- Date selection
- Previous and next scene
- Scene list
- More info: http://glovis.usgs.gov/ImgViewerHelp.html

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Useful Tools in GloVis

- *Hidden Scene List*: interactively hide and unhide images
- *Scene List*: view an expanded version of the scene list
- *Search for Scene*: search a specific scene using a known scene ID
- *Search Limits*: limit displayed scenes by various metadata fields, scene list, and study area (ASTER only)
- *Swath Mode (ASTER only)*: access images acquired on the same day, along the same path
- *Save and Load Scene List*: write and read the content of all scene lists in a file
- More Info: http://glovis.usgs.gov/ImgViewerHelp.html

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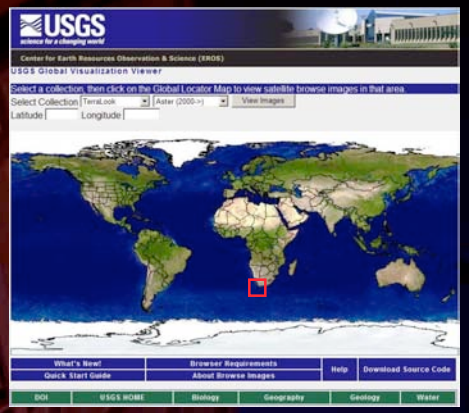
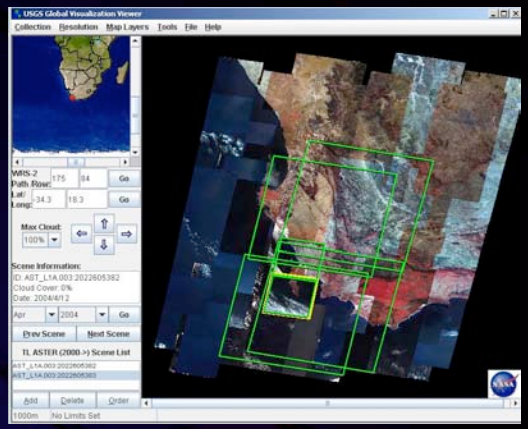
Select a TerraLook Collection

- **Quick Guide to select a TerraLook Collection**



Example: Select a TerraLook Collection for a "fynbos" study area near Cape Town, South Africa, to visualize land use changes over several years and how those changes have affected fynbos.

Source: http://www.capetownskies.com/



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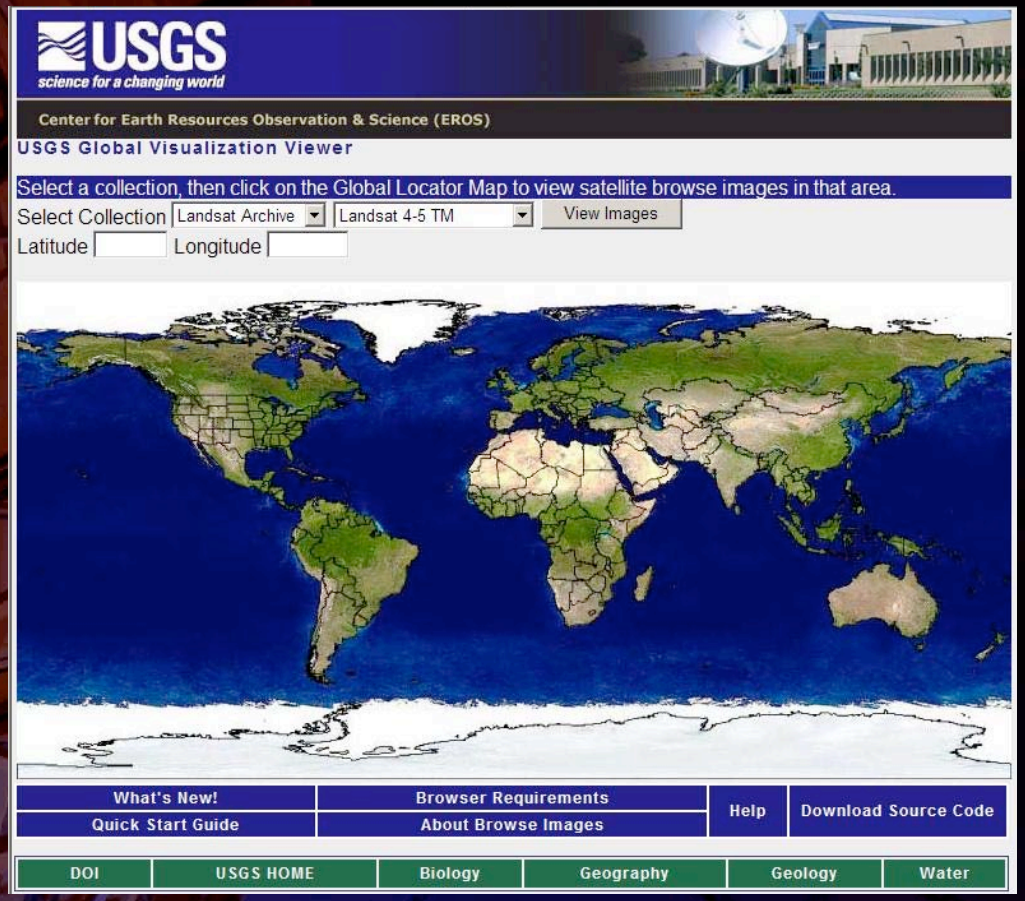
Select a Collection – Step 1

- Start GloVis



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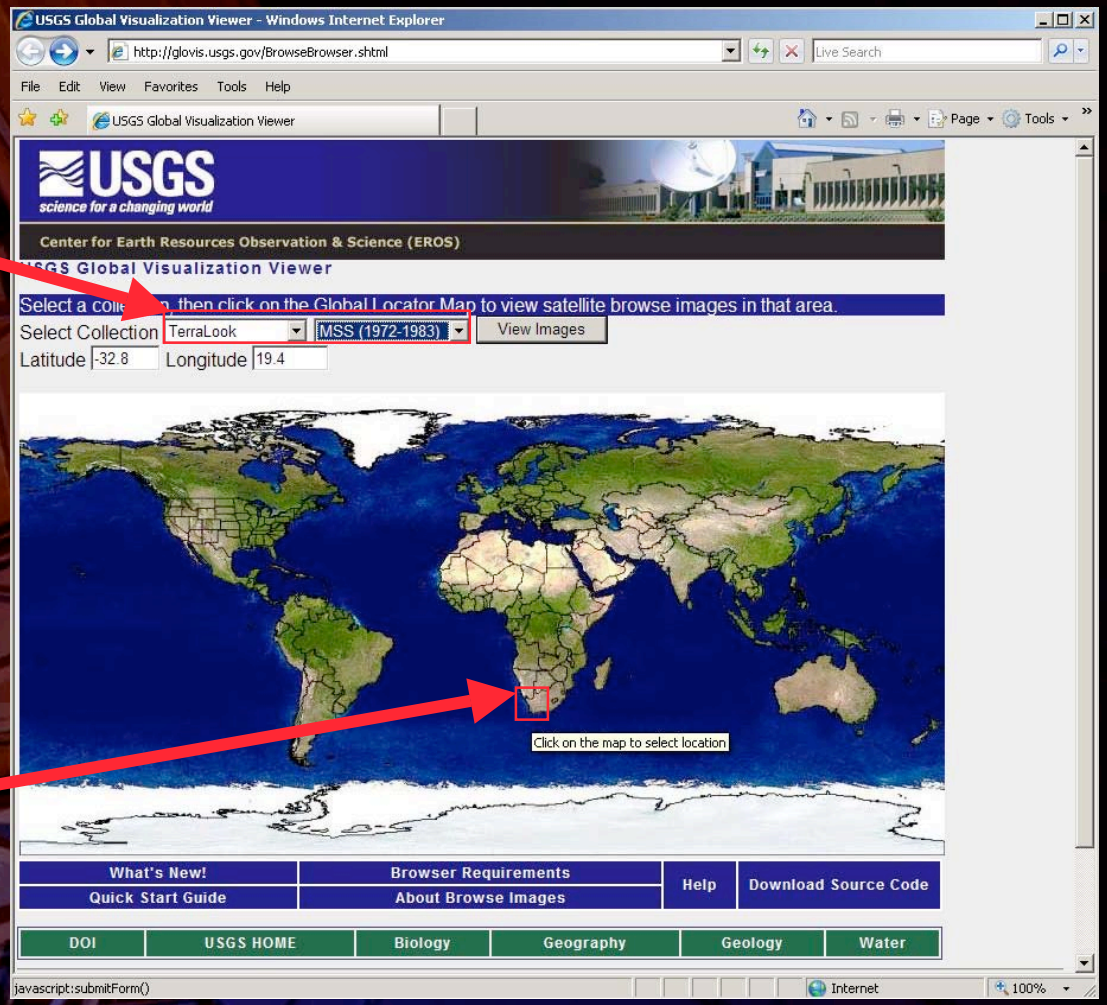
Select a Collection – Step 2

- Select TerraLook Collection and satellite sensor.
- Click on the world map to view satellite images in that area.



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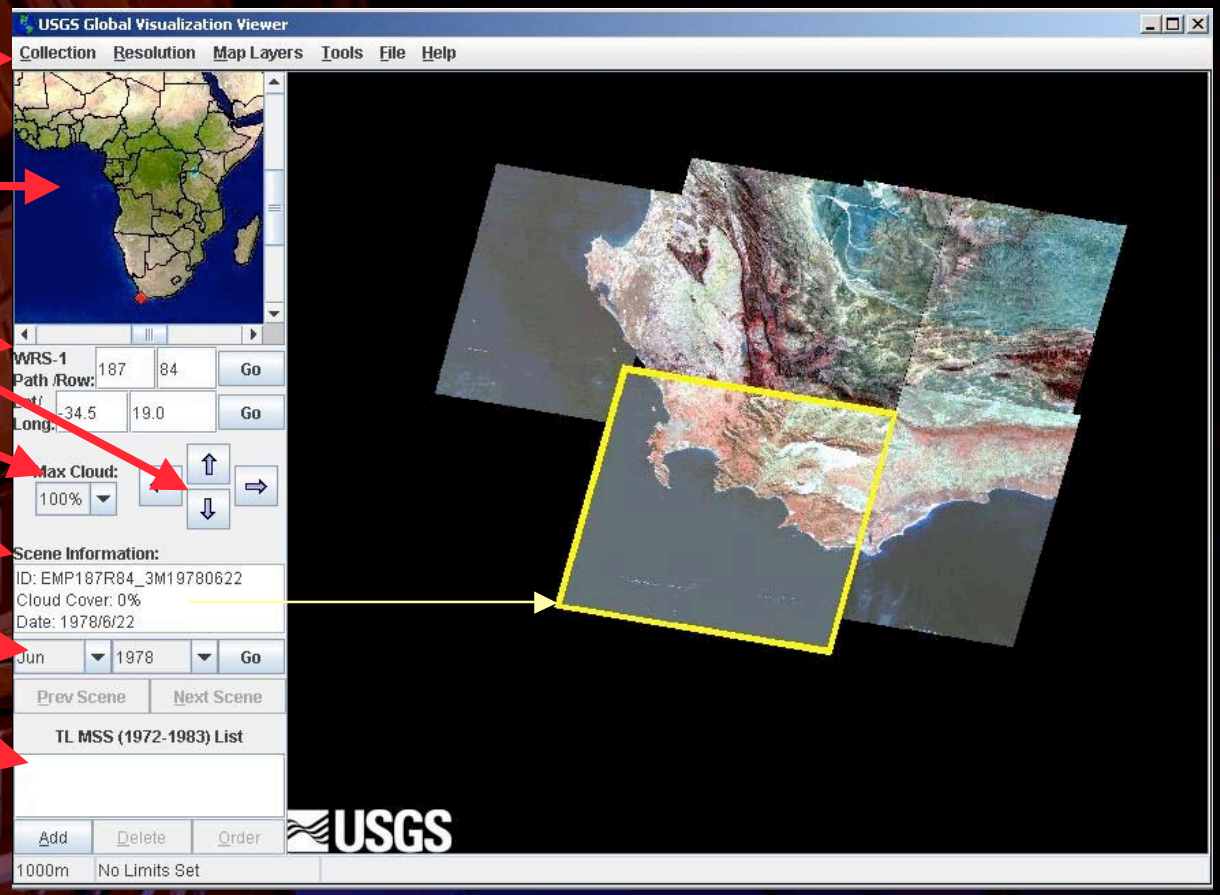
Select a Collection – Step 3

- **The Visualization Viewer appears.**



Menu Bar

Locator Map

Navigation tools

Maximum Cloud Percent

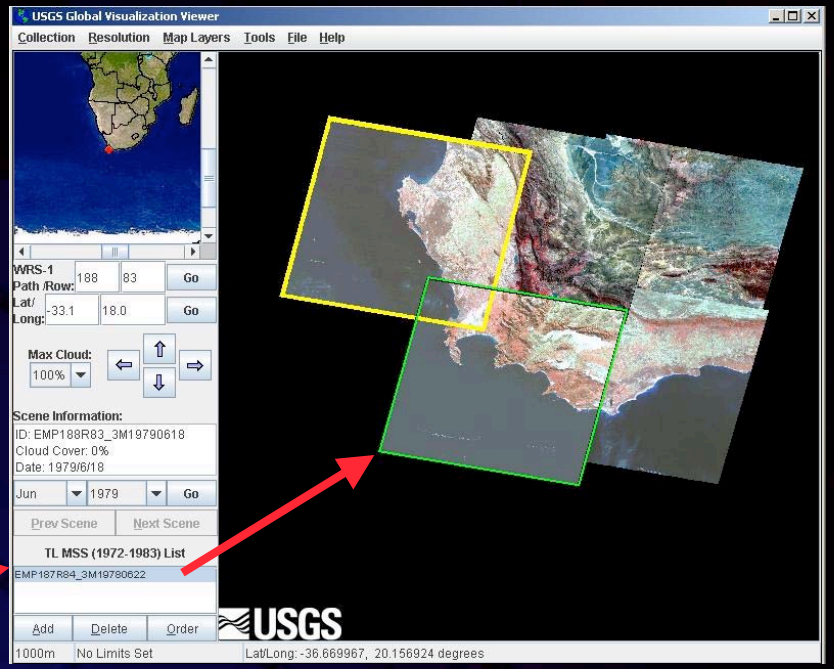
Highlighted Scene Information

Acquisition Date

Images List to Order

Select a Collection – Step 4

- Navigate to a specific image.
- Click the "Add" button to include selected image in the Scene List.
- All images in Scene Lists are outlined in green in the Image Display Area.
- Can include one or several images.



Added Image (green box)

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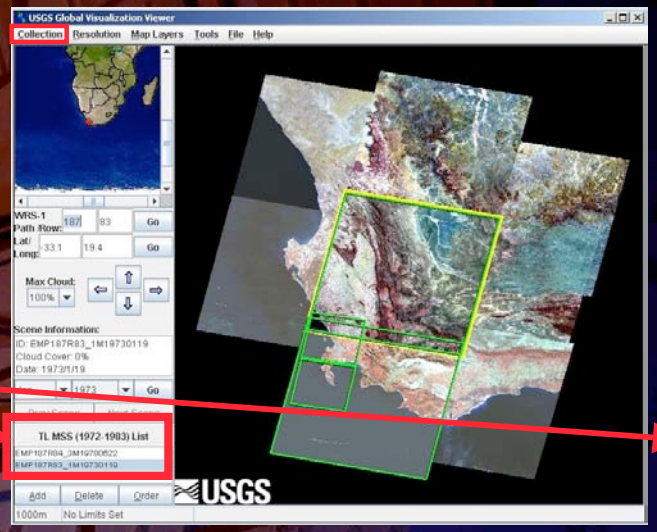
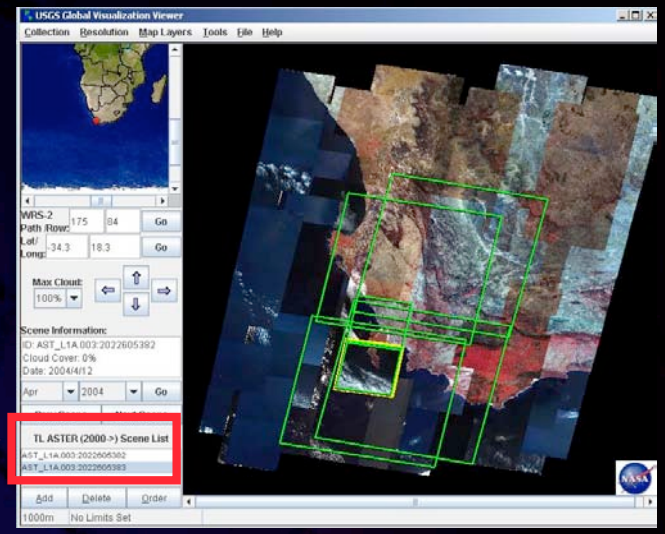
Select a Collection – Step 5

- Go to Collection > TerraLook > … to select images from another TerraLook Sensor.
- A Scene List is created for each TerraLook Sensor.
- Example:

Different Scene Lists



TL MSS Collection



TL ASTER Collection

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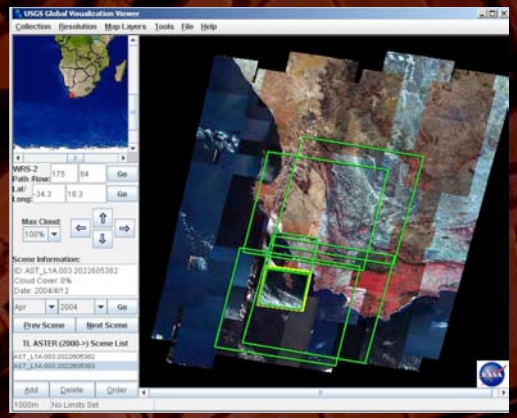
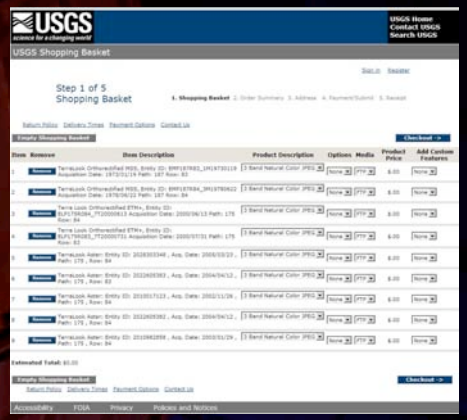
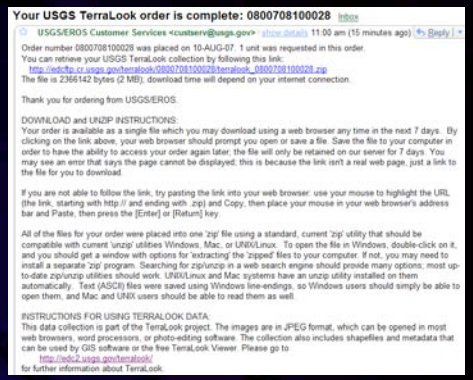
Order a TerraLook Collection

- Quick Guide to Ordering a TerraLook Collection







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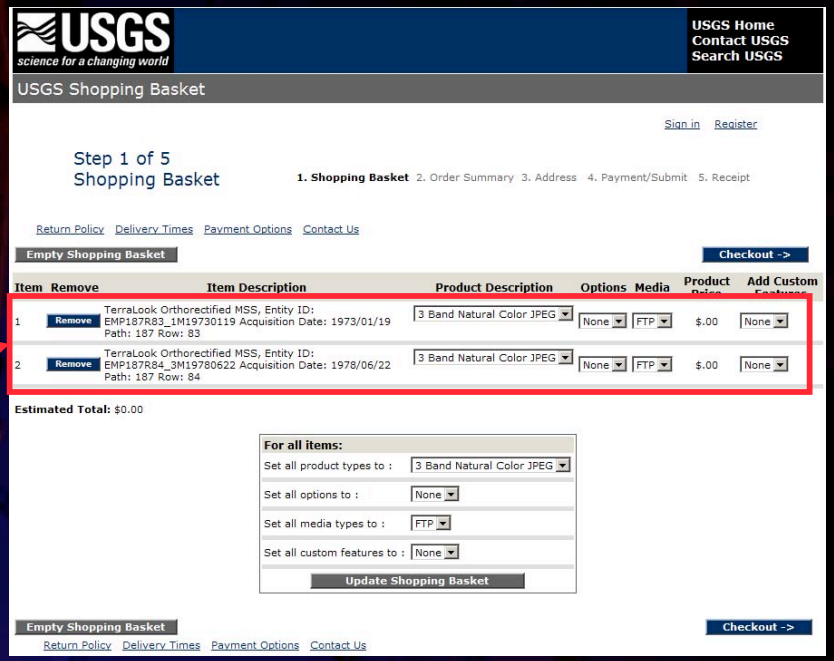
Order a Collection – Step 1

- The first time the "Order" button is clicked in the Viewer:
  - Register as a Guest or Registered User.
  - The images from the first sensor will be moved to the Shopping Basket.

Add Selected TL MSS Images in the Shopping Basket



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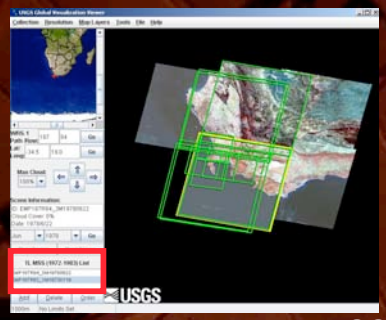
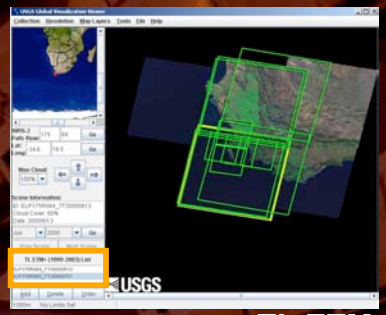
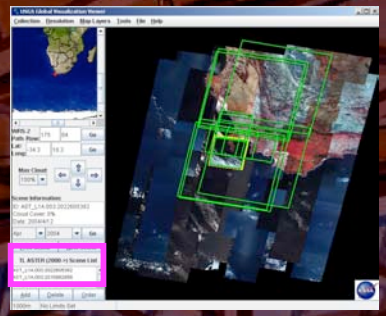
Order a Collection – Step 2



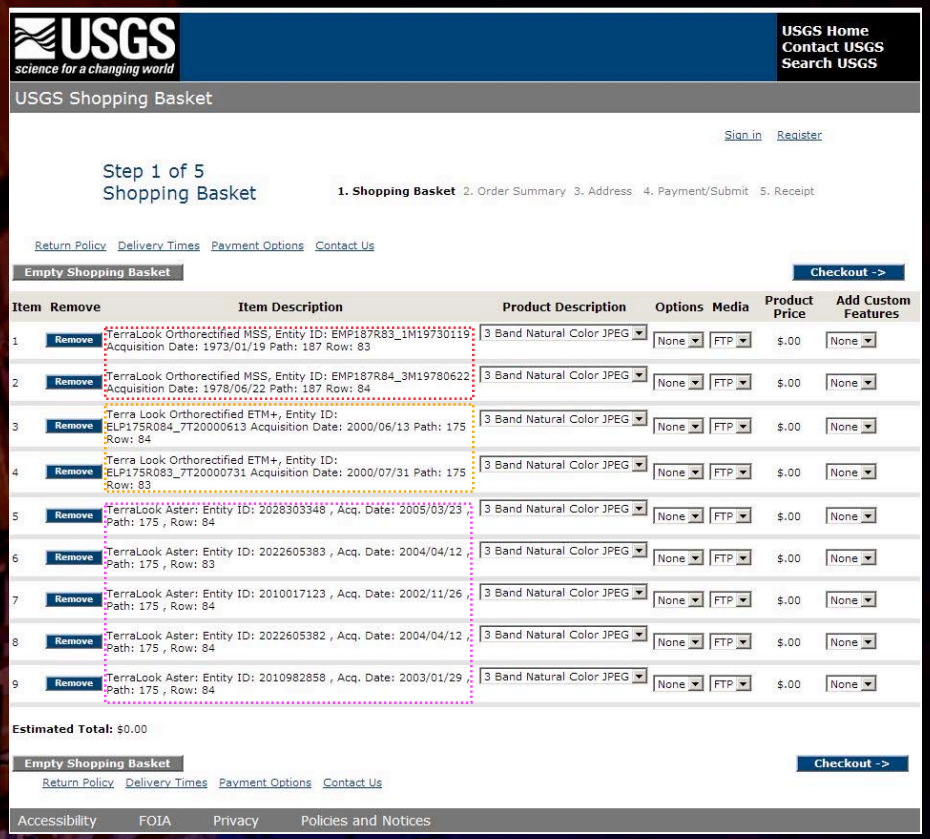
TL MSS



TL ETM+



TL ASTER



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USGS Shopping Basket

Sign in Register

Step 1 of 5
Shopping Basket

1. Shopping Basket 2. Order Summary 3. Address 4. Payment/Submit 5. Receipt

Return Policy Delivery Times Payment Options Contact Us

Empty Shopping Basket | Checkout ->

Item	Remove	Item Description	Product Description	Options	Media	Product Price	Add Custom Features
1	Remove	TerraLook Orthorectified MSS, Entity ID: EMP187R83_1M19730119 Acquisition Date: 1973/01/19 Path: 187 Row: 83	3 Band Natural Color JPEG	None	FTP	$.00	None
2	Remove	TerraLook Orthorectified MSS, Entity ID: EMP187R84_3M19780622 Acquisition Date: 1978/06/22 Path: 187 Row: 84	3 Band Natural Color JPEG	None	FTP	$.00	None
3	Remove	Terra Look Orthorectified ETM+, Entity ID: ELP175R084_7T20000613 Acquisition Date: 2000/06/13 Path: 175 Row: 84	3 Band Natural Color JPEG	None	FTP	$.00	None
4	Remove	Terra Look Orthorectified ETM+, Entity ID: ELP175R083_7T20000731 Acquisition Date: 2000/07/31 Path: 175 Row: 83	3 Band Natural Color JPEG	None	FTP	$.00	None
5	Remove	TerraLook Aster: Entity ID: 2028303348 , Acq. Date: 2005/03/23 , Path: 175 , Row: 84	3 Band Natural Color JPEG	None	FTP	$.00	None
6	Remove	TerraLook Aster: Entity ID: 2022605383 , Acq. Date: 2004/04/12 , Path: 175 , Row: 83	3 Band Natural Color JPEG	None	FTP	$.00	None
7	Remove	TerraLook Aster: Entity ID: 2010017123 , Acq. Date: 2002/11/26 , Path: 175 , Row: 84	3 Band Natural Color JPEG	None	FTP	$.00	None
8	Remove	TerraLook Aster: Entity ID: 2022605382 , Acq. Date: 2004/04/12 , Path: 175 , Row: 84	3 Band Natural Color JPEG	None	FTP	$.00	None
9	Remove	TerraLook Aster: Entity ID: 2010982858 , Acq. Date: 2003/01/29 , Path: 175 , Row: 84	3 Band Natural Color JPEG	None	FTP	$.00	None

Estimated Total: $0.00

Empty Shopping Basket | Checkout ->

Return Policy Delivery Times Payment Options Contact Us

Accessibility FOIA Privacy Policies and Notices

Go to each TL Sensor Scene List and click on "Order" button to move all to the Shopping basket

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Order a Collection – Step 3

- Checkout
- Fill in the Contact Form (mandatory fields)
- E-mail Confirmation
- Delivery is 3-5 business day

USGS On-line Order Confirmation - 0800708150018 Inbox

USGS/EROS <earthexplorer@usgs.gov> to m show details Aug 15 (1 day ago) Reply

Your order number 0800708150018 has been received.

Customer Services
U.S. Geological Survey
Center for Earth Resources Observation & Science (EROS)
47914 252nd Street
Sioux Falls, SD 57198-0001

Tel: 800-252-4547
Tel: 605-594-6151
TDD: 605-594-6933
Fax: 605-594-6589
Email: custserv@usgs.gov

Business Hours: Monday thru Friday, 8:00 a.m. to 4:00 p.m., central time

Please note that your TerraLook items will be compressed within a single zip file on the ftp download site.
TerraLook orders may take 3-5 business days for delivery.

Item | Product Description | Item Description | Options | Media | Custom Features | Product Price
1 | 3 Band Natural Color JPEG | TerraLook Aster: Entity ID: 2022605382 , Acq. Date: 2004/04/12 , Path: 175 , Row: 84 | None | FTP | None | .00

2 | 3 Band Natural Color JPEG | Terra Look Orthorectified ETM+, Entity ID: ELP175R084_7T20000613 Acquisition Date: 2000/06/13 Path: 175 Row: 84 | None | FTP | None | .00

3 | 3 Band Natural Color JPEG | TerraLook Orthorectified TM, Entity ID: ETP175R84_5T19910629 Acquisition Date: 1991/06/29 Path: 175 Row: 84 | None | FTP | None | .00

4 | 3 Band Natural Color JPEG | TerraLook Orthorectified MSS, Entity ID: EMP187R84_3M19780622 Acquisition Date: 1978/06/22 Path: 187 Row: 84 | None | FTP | None | .00

Handling fee .00
Surcharge amount .00
Discount amount .00
Total price .00

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Download a Collection

- E-mail – Completed Order
- Location where TerraLook Collection can be retrieved
- Zip File
- Size of file may vary
- Typical TerraLook image sizes are:
  - Landsat MSS: 4 MB
  - Landsat TM: 14 MB
  - Landsat ETM+: 14 MB
  - ASTER: 5.5 MB

Your USGS TerraLook order is complete: 0800708150018 Inbox

USGS/EROS Customer Services <custserv@usgs.gov> show details Aug 15 (22 hours ago) Reply

Order number 0800708150018 was placed on 15-AUG-07. 4 units were requested in this order.
You can retrieve your USGS TerraLook collection by following this link:
http://edcftp.cr.usgs.gov/terralook/0800708150018/terralook_0800708150018.zip
The file is 22400388 bytes (21 MB); download time will depend on your internet connection.

Thank you for ordering from USGS/EROS.

DOWNLOAD and UNZIP INSTRUCTIONS:
Your order is available as a single file which you may download using a web browser any time in the next 7 days. By clicking on the link above, your web browser should prompt you open or save a file. Save the file to your computer in order to have the ability to access your order again later; the file will only be retained on our server for 7 days. You may see an error that says the page cannot be displayed; this is because the link isn't a real web page, just a link to the file for you to download.

If you are not able to follow the link, try pasting the link into your web browser: use your mouse to highlight the URL (the link, starting with http:// and ending with .zip) and Copy, then place your mouse in your web browser's address bar and Paste, then press the [Enter] or [Return] key.

All of the files for your order were placed into one 'zip' file using a standard, current 'zip' utility that should be compatible with current 'unzip' utilities Windows, Mac, or UNIX/Linux. To open the file in Windows, double-click on it, and you should get a window with options for 'extracting' the 'zipped' files to your computer. If not, you may need to install a separate 'zip' program. Searching for zip/unzip in a web search engine should provide many options; most up-to-date zip/unzip utilities should work. UNIX/Linux and Mac systems have an unzip utility installed on them automatically. Text (ASCII) files were saved using Windows line-endings, so Windows users should simply be able to open them, and Mac and UNIX users should be able to read them as well.

INSTRUCTIONS FOR USING TERRALOOK DATA:
This data collection is part of the TerraLook project. The images are in JPEG format, which can be opened in most web browsers, word processors, or photo-editing software. The collection also includes shapefiles and metadata that can be used by GIS software or the free TerraLook Viewer. Please go to
http://edc2.usgs.gov/terralook/
for further information about TerraLook.

DISCLAIMER:
No warranty is expressed or implied regarding the utility of this product. If the format of the product is not compatible with your software, you may need a conversion or import utility to facilitate your use of this product.

CONTACT INFORMATION:
If you need further assistance, please contact our Customer Services department.

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Collection Format

- /Collection Name
  - /Data → Multiple shapefiles and text files that describe the footprints of the scenes in the collection
  - /Images → JPG images, plus their world files to provide geocoding, and XML metadata
  - parameters.txt → Parameters used to generate the images
  - TerraLook-Collection.xml → Collection level metadata in XML

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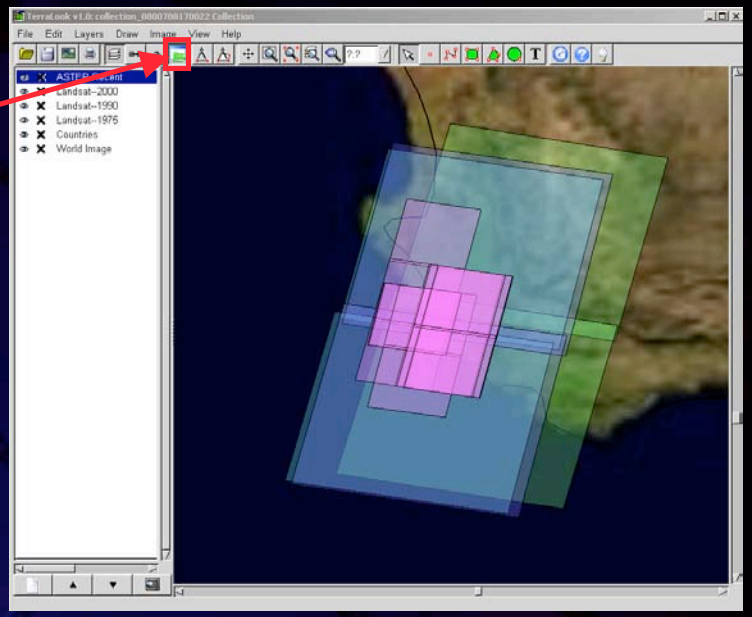
Opening a Collection

- Unzip the downloaded zip file
- Open TerraLook Viewer/Toolkit
- File > Open > Open Collection
- Navigate to the folder containing the Collection
- Click “OK”
- Display the Layer Manager to see footprint layers for each sensor



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Exercises

- Select a TerraLook Collection (15 Minutes)
- Order a TerraLook Collection (10 Minutes)
- Open a TerraLook Collection (10 Minutes)

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Select a TerraLook Collection

- Open GloVis and select an area of interest
- Choose the TerraLook Collection
- Choose one of the Tri-Decadal Landsat options to start
- Use Navigation Controls to find a particular image
- View Metadata for more information about the selected TerraLook image
- View Browse Image
- Add to the Scene List

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Order a TerraLook Collection

- Following the previous exercise, click on the "Order"
- Click on "Guest User"
- Check the shopping basket
- Click "Checkout"
- Fill in mandatory fields in the form and submit form
- Download the TerraLook Collection
- Extract files from zip file and check each one

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Open a TerraLook Collection

- Following the previous exercise, open the TerraLook Viewer/Toolkit
- File > Open > Open Collection
- Navigate to the folder containing the Collection
- Click “OK”
- Display the Layer Manager to see footprint layers for each sensor
- Click “Open Satellite Images” icon and click anywhere inside the footprints to see the list of images grouped by the sensor and acquired dates

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