To: Jeff Kargel, GLIMS Regional Centers and Stewards
From: John Dwyer, LP DAAC

As part of the Global Land Ice Measurements from Space (GLIMS), we have established a suite of FTP directories containing the following data and information:

(1) Winzip files (i.e. 0002to0040.zip) containing JPEG images of ASTER VNIR bands 3b, 2, and 1 as red, green, blue.
(2) An Excel workbook (L1BfromL1A_GLIMS_list_mmddyr.xls) containing results from quality assessment of ASTER scenes.
(3) README file (README.txt or README.pdf).
(4) Regional Center subdirectories (RC1 through RC24, and UNKNOWN_Antarctica)

The GLIMS FTP directories are set-up with an over-arching GLIMS directory, under which exists a subdirectory for each RC. Under the RC subdirectories will be an ASTER, Landsat7 (ETM+), and/or and MRLC (Landsat 7 ETM+) subdirectory, depending on which data are available.

```
GLIMS
  RC__
      ASTER
      Landsat7
      MRLC
```

The reason for two different subdirectories for Landsat 7 ETM+ data is to distinguish between the two different product generation systems at EDC. Data under the Landsat7 subdirectory were ordered through the EOS Data Gateway and created on the Level-1 Product Generation system (LPGS). The file naming convention using a band 7 file as an example is:
> L7201703_01320000812_b70.tif.gz

Data under the MRLC subdirectory were ordered through Earth Explorer and created on the National Landsat Archive Production system (NLAPS). The file naming convention using a band 7 file as an example, is:
> LE7074018000019351.l7.gz

All ETM+ scenes are in the UTM projection, and each band is stored as a separate file that has been Gzip-compressed. ASTER data are provided in the HDF-EOS format.

The data may be accessed as follows:

1. ftp edcsgs16.cr.usgs.gov
2. User=anonymous, Password=Your_email_address
3. cd /orders/glims   (to retrieve ETM+ or ASTER data files)
    a. The spreadsheet is L1BfromL1A_GLIMS_list_*date*.xls
    b. The JPEG images are grouped in .zip files named according to their respective range of records (row numbers) in the Excel spreadsheet.
    c. AST_L1B_dbID - same as Data Granule ID in the EOS Data Gateway (EDG)
    d. FileName – name of the ASTER HDF-EOS file that is online under /orders/glims//RC/ASTER
    e. RegionNumber – indexed to the Regional Center number on http://www.glims.org/MapsAndDocs/icecheck.html
    f. AcquisitionDate – self-explanatory
    g. AcquisitionTime – self-explanatory
    h. Center Lat (degrees) – self-explanatory
    i. Center Long (degrees) – self-explanatory

      j.   Cloud Cover(%) – visual assessment performed by EDC
      k.   Comments – general observations on scene/data quality

4. 'ls' to list the Regional Center subdirectories from which to retrieve ETM+ or ASTER data)
5. The Select the desired RC and data subdirectories from which to download
      i.   Regional Center subdirectory naming convention is RCnn (Region Number), or scenes that were not easily tied to a RC (i.e. Unknown_Antarctica).
      ii. See http://www.glims.org/MapsAndDocs/icecheck.html for a map of GLIMS Regional Center Geographic Areas of Responsibility

6. 'cd' RC__ (to the RC of interest)
7. 'cd' to ASTER, Landsat7, or MRLC
   i. Landsat7 (ETM+)
      The files are 1 band per scene, with the scene-id as the root of the filename, and these are Gzip compressed (*.tif.gz).
      There is also a Readme.GTF file for each scene.

      ii. MRLC (Landsat 7 ETM+)
      The files are 1 band per scene, with the scene-id as the root of the filename, and these are Gzip compressed (*.gz).
      There is also a Readme.TXT file for each scene.
      iii. ASTER
      For each ASTER scene, there is an .hdf and .met file, both of which are Gzip compressed (*.hdf.gz and *.hdf.met.gz)

8. 'binary' (set to binary for transfer)
9. 'get' or 'mget' desired file(s)

Please consult the GLIMS web site (http://www.glims.org/) or the LP DAAC web site (http://edcdaac.usgs.gov/main.html) for further information.

Geographic Coverage of GLIMS Regional Centers
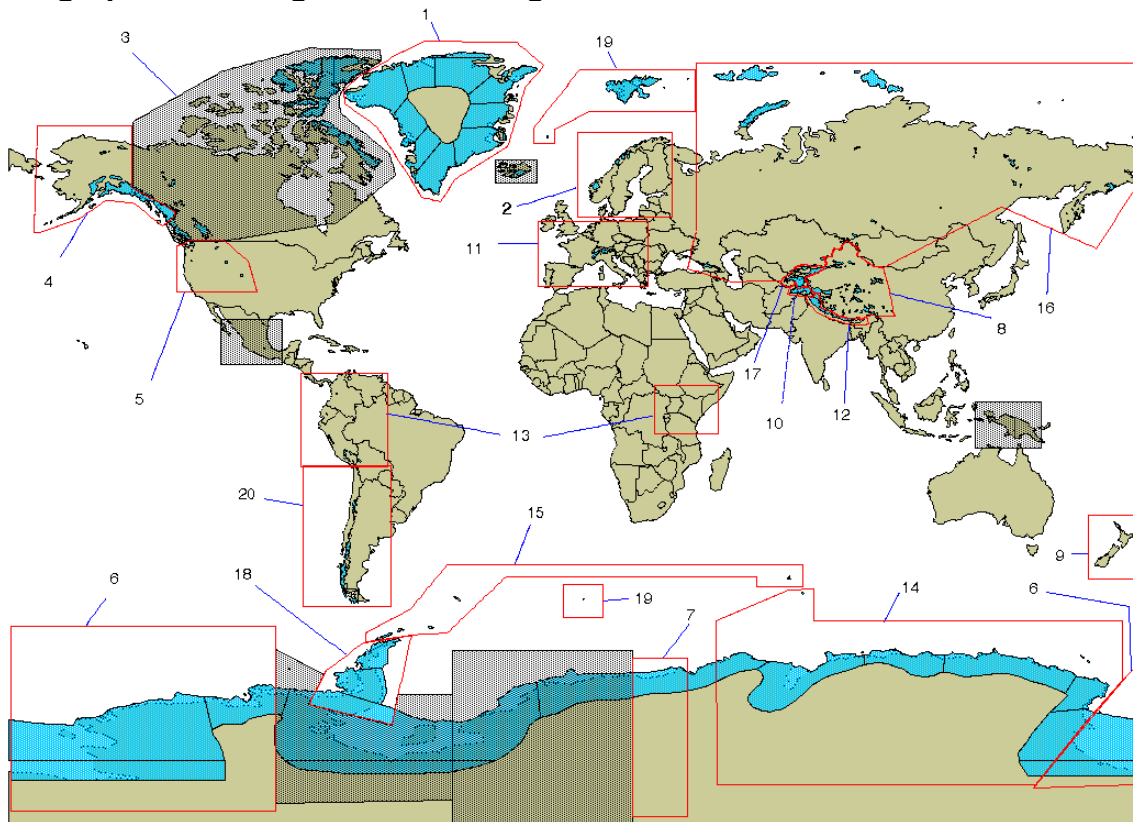
Outlines of GLIMS Regions.
As of 1999-04-23