Show Camera Image

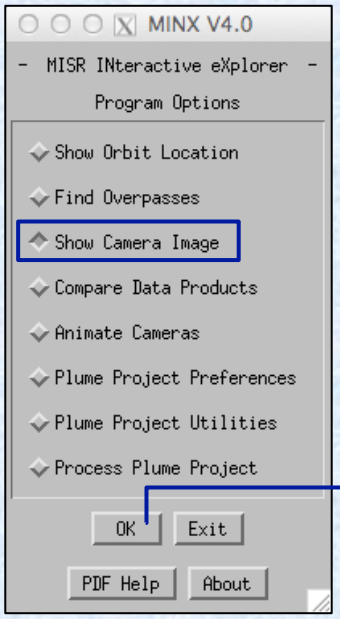
David Nelson, Sebastian Val, Michael Tosca

Columbus Technologies and Services, Inc.
Raytheon Company
Jet Propulsion Laboratory, NASA
California Institute of Technology

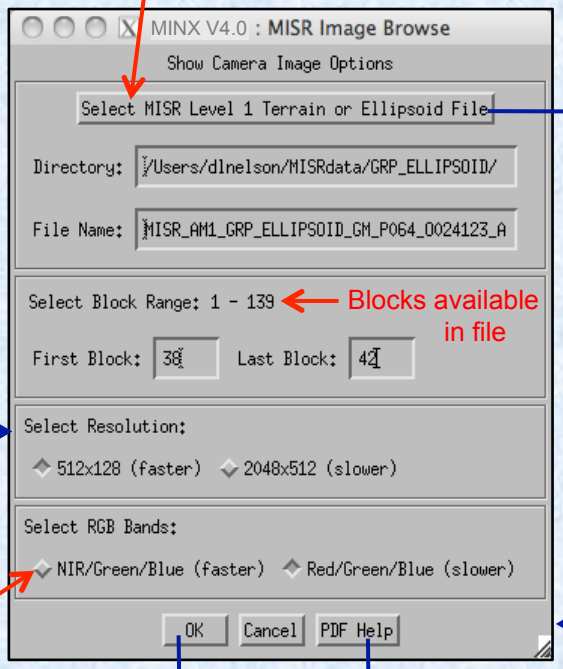
Show Camera Image - 1

Objective: To display a static, color image of all or part of a swath for a single MISR camera. Useful for rapidly browsing orbit imagery at higher resolution than the online Browse Tool, but requires MISR level 1 radiance data.

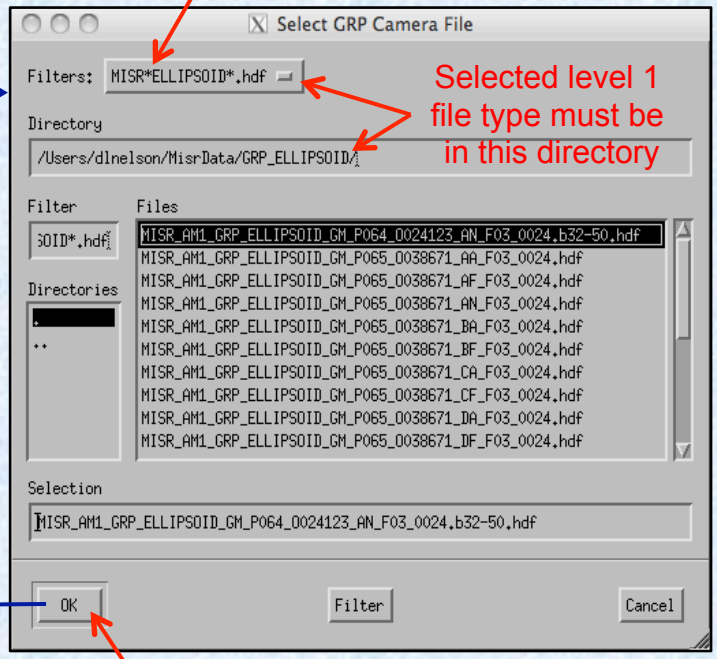
- **512x128 resolution (1100 m pixels) may allow displaying an entire orbit for any camera; blocks are not "assembled" to correct for between-block offsets.**
- **2048x512 resolution (275 m pixels) may allow displaying as many as 10 to 40 + blocks before you run out of memory. Blocks are "assembled" into continuous images.**



Click this button first.



Select Ellipsoid-referenced or Terrain-referenced level 1 file



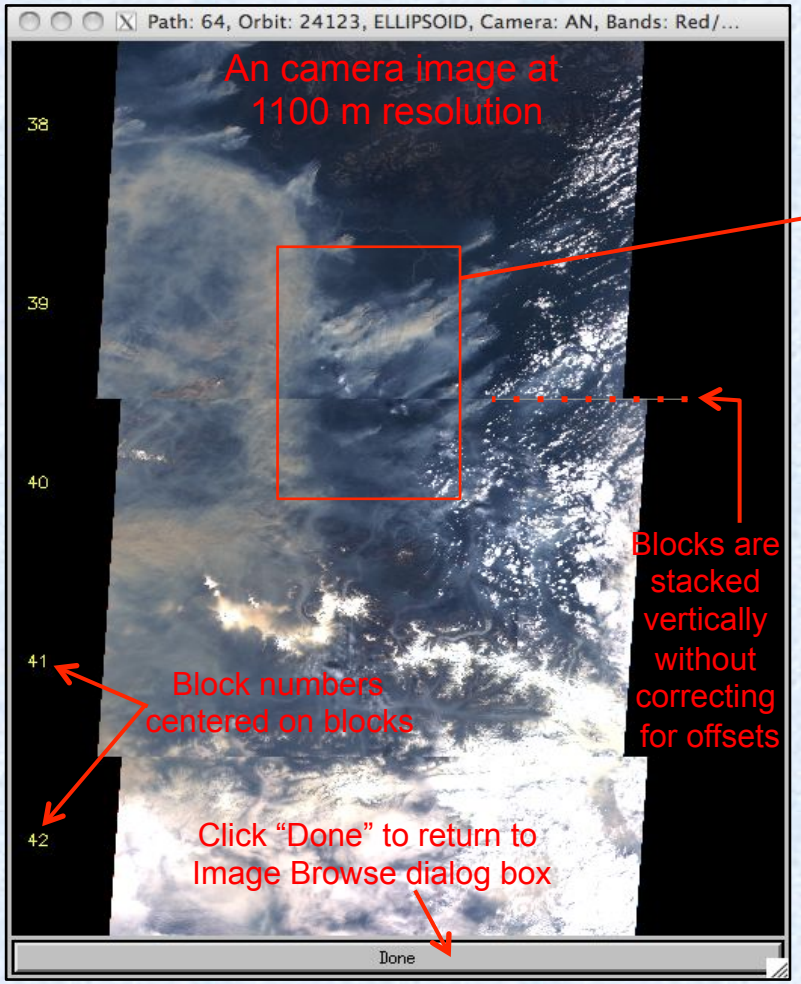
Clicking "NIR/Green/Blue" substitutes the NIR band for Red which is smaller and faster for cameras other than An. It also shows vegetation very clearly as red.

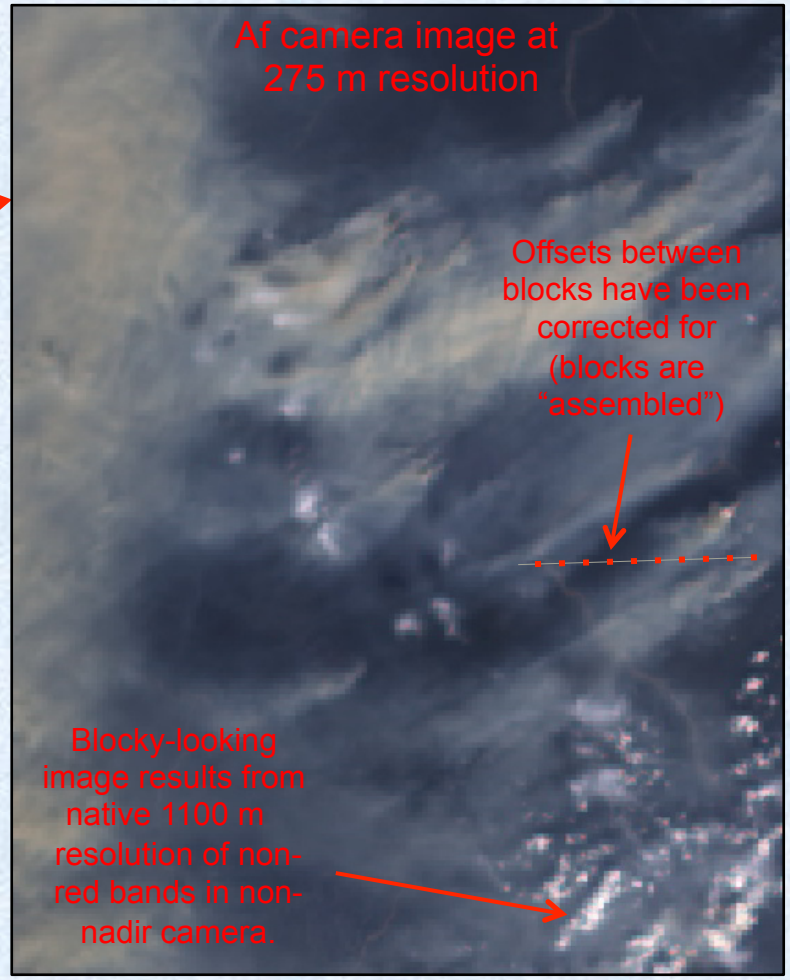
Display image

Display these instructions

Clicking "OK" populates the "MISR Image Browse" dialog box with file name and block range information.

Show Camera Image - 2





- In An product file, all bands are stored at 275 m resolution.
- In image above, RGB is displayed at 1100 m.
- MISR blocks are not "assembled" (offsets are not applied).

- In Af product file, Red band is stored at 275 m resolution, Green and Blue at 1100 m.
- In image above, RGB is displayed at 275 m.
- MISR blocks are "assembled" smoothly.