



Show Camera Image

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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.

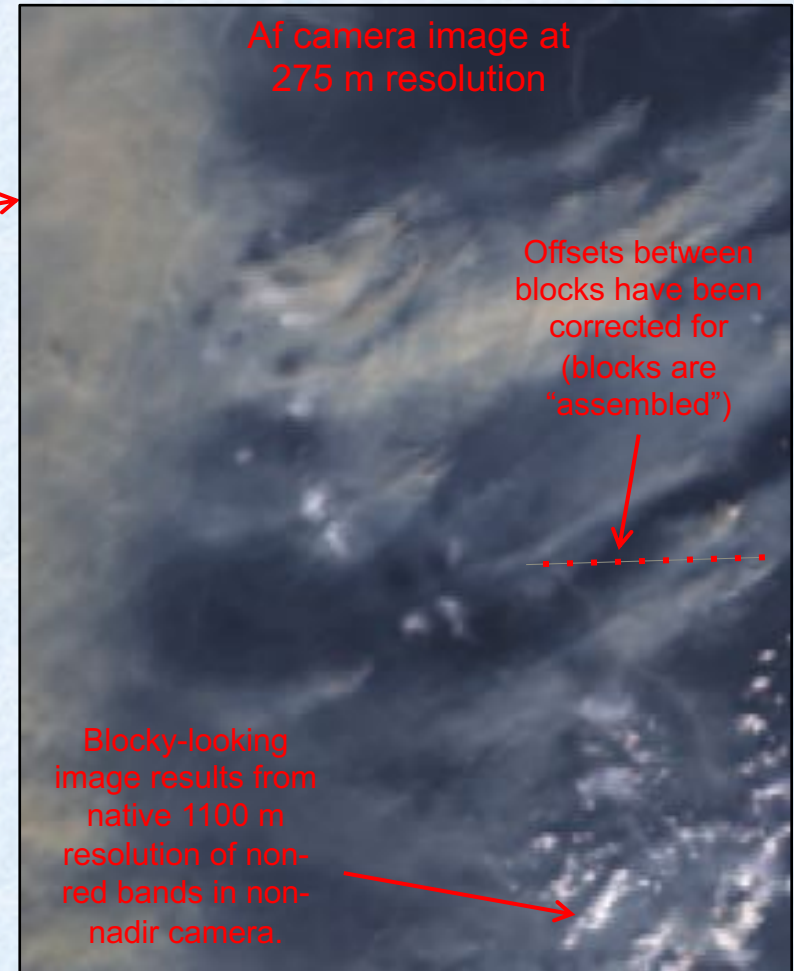
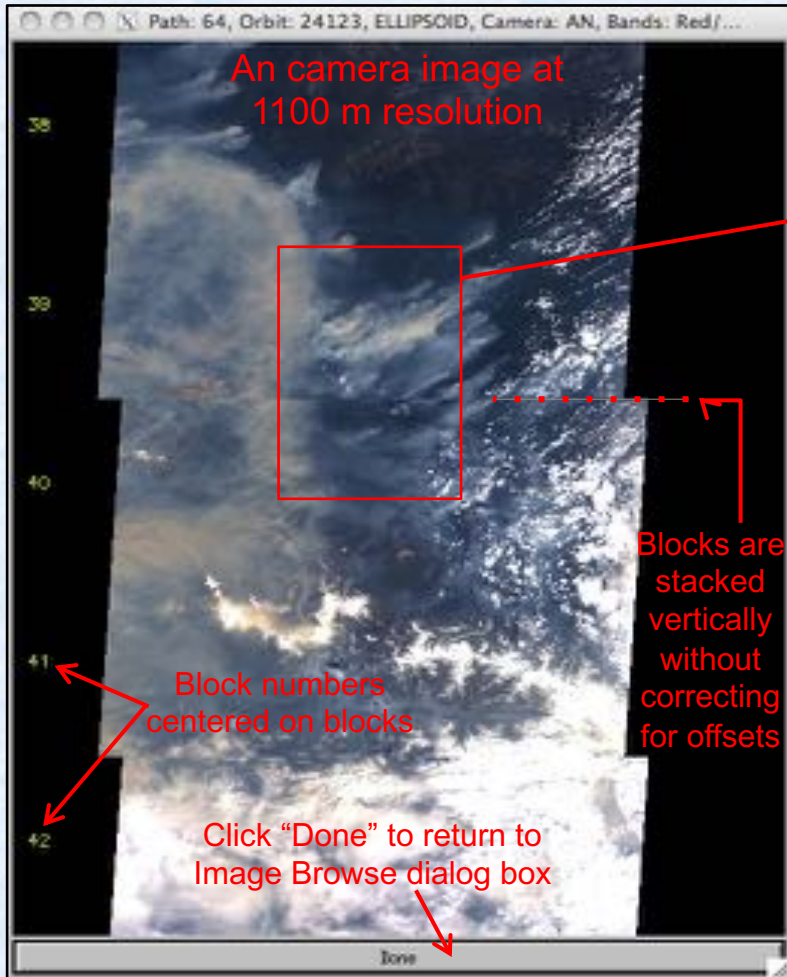
The image shows three screenshots of the MINX V4.0 software interface, illustrating the steps to display a camera image. Red arrows and text provide instructions for each step.

First Screenshot (MINX V4.0 - MISR Interactive Explorer): The "Show Camera Image" option is highlighted in the "Program Options" list. A red arrow points to this option with the text: "Clicking 'NIR/Green/Blue' substitutes the NIR band for Red which is smaller and faster for cameras. It also shows other vegetation very clearly as red."

Second Screenshot (MINX V4.0 : MISR Image Browse): This dialog box shows the "Show Camera Image Options". A red arrow points to the "Select MISR Level 1 Terrain or Ellipsoid File" button with the text: "Click this button first." Below this, the "Directory" is set to "/Users/dinelson/MISRdata/GRP_ELLIPSOID/" and the "File Name" is "MISR_AHI_GRP_ELLIPSOID_GH_P064_0024123_A". A red arrow points to the "Select Block Range" section, which shows "First Block: 38" and "Last Block: 43", with the text: "Blocks available in file". The "Select Resolution" section shows "512x128 (Faster)" selected. The "Select RGB Bands" section shows "NIR/Green/Blue (Faster)" selected. A red arrow points to this selection with the text: "Clicking 'NIR/Green/Blue' substitutes the NIR band for Red which is smaller and faster for cameras. It also shows other vegetation very clearly as red." A blue arrow points from the "OK" button to the text: "Display image".

Third Screenshot (Select GRP Camera File): This dialog box shows the "Filters" set to "MISR*ELLIPSOID*.hdf" and the "Directory" set to "/Users/dinelson/MISRdata/GRP_ELLIPSOID/". A red arrow points to the "Filters" field with the text: "Select Ellipsoid-referenced or Terrain-referenced level 1 file". A red arrow points to the "Selected level 1 file type must be in this directory" text. The "Files" list shows several files, with "MISR_AHI_GRP_ELLIPSOID_GH_P064_0024123_AH_F03_0024_b32-50.hdf" selected. A blue arrow points from the "OK" button to the text: "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.