THEMIS Controlled Mosaic Document Description

Individual documents included in the release of each region include:

Controlled mosaic
Generic file format: THEMIS_Day|NightIR_ControlledMosaic_SiteName_XXSXXE_100mpp.tif
THEMIS infrared controlled mosaic available in GeoTiff and JPG formats.

Image label files
ISIS label file format:
THEMIS_Day|NightIR_ControlledMosaic_SiteName_XXSXXE_100mpp.lbl
PDS3 label file format:
THEMIS_Day|NightIR_ControlledMosaic_SiteName_XXSXXE_100mpp_pds3.lbl

These label files allow one to load the GeoTiff as an ISIS cub or as a PDS-compliant file. To utilize the image label files, one must download both the GeoTiff and the desired label file, as the label file is simply a header that points to the GeoTiff.

One can either use the ISIS3 label directly (e.g. qview) or convert to a normal ISIS3 cub file using the ISIS3 program "cubeatt." Both the GeoTiff and the desired label file must be in the same directory, as the label file is simply a header that points to the GeoTiff. An example "cubeatt" command is:

cubeatt from=THEMIS_Day_ControlledMosaic_SiteName_XXSXXE_100mpp.lbl to=THEMIS_Day_ControlledMosaic_SiteName_XXSXXE_100mpp.cub

Metadata
Generic file format:
THEMIS_Day|NightIR_ControlledMosaic_SiteName_XXSXXE_100mpp.tif.xml
Includes a description of how the control network and resulting mosaic was generated and any processing issues encountered.

File list for images included in the mosaic
Generic file format: THEMIS_Day|NightIR_ControlledMosaic_SiteName_Mosaic_filelist.txt
Some images in the kernel were excluded from the mosaic due to post-calibration image processing problems.

Source File List
The source file list (see below for download) contains all THEMIS images that are in the control network and have updated SPICE information and the tile that the image is located within. This

file is helpful to identify if a desired THEMIS image is in the daytime IR or night time IR control network and what tile(s) contains the image.

themis_dayir_mcquad_source_rdr.lis

themis_nightir_mcquad_source_rdr.lis