
Subject: Convert planetary sinusoidal map image to (lat,lon,value) array

Posted by [wk43](#) on Mon, 29 Jul 2002 17:06:01 GMT

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I have a sinusoidal equal area map projection image in the form of a byte array. The image is rectangular, 1440 pixels (length) X 720 pixels (height). I am able to read the file and store it as an array of dimensions 1440(columns)X720(rows).

I need to convert the planetary portion of the image (all other points have value 0 in the image array) into a table of form (latitude, longitude, value). I am also uncertain which type of array I should construct from the planetary portion of the image in order to apply the conversion.

I am using IDL version 5.5a (Linux OS).

I would really appreciate any help on this matter. I would benefit greatly from a detailed description, since I have been using IDL for only 2 weeks (using Liam Gumley's "practical IDL programming" text).

Sincerely,
Suniti
