
Subject: Re: MAP_SET vs MAP_PROJ *
Posted by [Gadhavi](#) on Thu, 10 Feb 2005 05:15:35 GMT
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Ben Tupper wrote:

> Gadhavi wrote:

>> Dear Friends,

>> I tried to run the program given by Ben that is mapTest. I
found

>> that map_continent and map_grid subroutines are not accepting the

>> keyword map_structure. I am using IDL 5.6. The subroutine shown by
Ben

>> is very useful for my purpose. Any suggestion to overcome this
problem

>> Thanking you

>

> Hi ,

>

> Those routines did not accept the MAP_STRUCTURE until IDL 6.1. Your
alternative

> is to set all of the paramters with the traditional MAP_SET procedure.

>

> Ben

Thank you Ben

I have IDL version 5.6. I have to use GCTP routine which are available through only MAP_PROJ_INIT function. I also tried to modify !MAP system variable by assigning it to the results returned by MAP_PROJ_INIT function but I could not get the work done. Let me tell more details about the work I want to do. I have MODIS satellite data for land reflectance. Which are available on the grid of size 1200 x 1200 on Integerized Sinusoidal projection. Latitudes and Longitudes for four corner points are also given. I can create the image of the size say 400 x 400 from given data using rebin. This image I want to project over map with political boundaries and rivers. First of all Integerized sinusoidal projection is not available in MAP_SET. So I have to use MAP_PROJ_INIT function. It appears to me that this function do not accept keyword "limit" with 8 elements giving 4 corner latitudes and longitudes. Rather it accepts limit keyword with diagonal values of latitude and longitude. This may not be correct for my problem as given image is not rectangular in terms of latitude and longitude. This is one part of my problem. Another problem is that I want to extract the data values for station with known latitude and longitude. For that purpose I want to calculate nearest index number to that station. I will highly appreciate the help in this regard

Thanking you

HG

HG
