Folks,

The typical sequence of events when you are contemplating
asking a question that requires remotely sensed data, say
from a satellite, is to start with some region you are
interested in. At the National Snow and Ice Data Center,
for example, this region is described as a rectangular
area in an XY or Cartesian coordinate system, with a
particular spatial resolution, say 25km. AT NSIDC, this
area is described by a "gpd" (grid parameter definition)
file. A map projection, of course, is a required element
in setting up the Cartesian coordinate system.

The next step is to gather satellite data for the various
instruments (e.g., MODIS, MISR, etc) that happen to fly
over this area, and to grid the data into this rectangular
study area. At NSIDC, for example, a C program named mapx is
used to do this gridding. Mapx allows you to do the gridding
in several different ways, with different types of pixel
weighting, etc.

This part of the process I have never been able to do
successfully in IDL.

So, here is my question. What sort of software do YOU
use to perform this operation of taking available
satellite data and preparing it for a remote sensing
study?

I am looking for what I hope will be a machine-independent
solution to this problem. In other words, I am hoping
for a solution I can run on a Windows machine. :-)

Cheers,

David

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David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")