Subject: Help with EOS_GD_INTERPOLATE
Posted by rodneyhoffman on Mon, 18 Aug 2003 22:06:04 GMT

I'm having trouble understanding EOS_GD_INTERPOLATE. The terse Help
isn't sufficient, and no demo procedures use it. Does anyone have more
verbose help, or complete code examples?

I'm dealing with large (30 and 180 MB) HDFEOS_V4.2 files, gridded data,
GCTP_GEO projection. I'm not so much interested in viewing the data,
or even in reading specific values for various data fields (which I can
do). Rather, I need to calculate a value for a given data field for a
specified latitude, longitude, and date/time, using interpolation.

EOS_GD_INTERPOLATE sounds perfect, but:

 - I don't know exactly how to use the ninterp parameter
   (When I use 1, I get some possibly-correct values, but
   when I try 2, I get an error.)

 - When I do get results, I get an enormous array, with a
   handful of possibly-correct values at the beginning, and
   endless zeros after that. Why is it so large?

etc.

Any help or pointers to help would be greatly appreciated!

Thanks,

  -- Rodney