Subject: Re: AVHRR Image Mapping Problem
Posted by David Fanning on Fri, 15 Dec 2006 18:50:10 GMT

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kuyper@wizard.net writes:

> Actually, yes. I have no idea why the standard parrallels might be
> incorrect, but given the symptoms you describe, it might be worthwile
> to try 19.99999 and -20.00001. IDL doesn't like it when the standard
> parallels add up to exactly zero. That is unfortunate, because a Albers
> projection with standard parallels adding up to zero is a different way
> of describing the cylindrical equal-area projection, one of my favorite
> map projections, and one that IDL doesn't support.

Here are the results. Possibly a bit better.

Here are the results with parallels at "normal"
-19 and 21.

   http://www.dfanning/misc/normal.png

Here are the results with parallels at -19.9999 and 20.0001.

   http://www.dfanning/misc/kuyper.png

The results using parallels of 19.9999 and -20.001 are
identical to that above. As are the results if I switch
the values for STANDARD_PAR1 and STANDARD_PAR2.

If you load these in your browser and hit your back
and forward buttons, you can see a little movie of
these projections switching back and forth. Don't know
what that shows, but it distracts me from the real
problem. :-)

Cheers,

David
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Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")