Subject: Re: Need GOES Image Expert Posted by Kenneth P. Bowman on Mon, 17 Mar 2008 21:01:18 GMT View Forum Message <> Reply to Message

In article <frmIdh\$au4\$1@news.nems.noaa.gov>, Paul van Delst <Paul.vanDelst@noaa.gov> wrote:

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> David Fanning wrote:
>> Folks,
>>
>> A quick question for a GOES image expert. Are the GOES
>> satellite images, such as can be found here:
>>
     http://goes.gsfc.nasa.gov/goeseast-lzw/peru/
>>
>> in some kind of map projection? Where can I learn about
>> these images? The GOES folks don't seem to be making this
>> information obvious. :-(
  From the same spot:
    http://goes.gsfc.nasa.gov/text/goesfag.html#goesnav
>
>
  and
    http://goes.gsfc.nasa.gov/text/goesfaq.html#tiffcomment
>
  The former presents more nav info via a link:
    http://goes.gsfc.nasa.gov/text/goestechnotes.html#navigation
>
  From my experience, the GOES data is typically delivered as a "flat" file that replicates
  how the instruments actual record the data (e.g. raster scan of the earth disk).
> What that translates into wrt a map projection, I have no idea. I don't think GOES data
> works in that sort or realm (but I haven't used GOES data directly for about a decade, so
> what the hell would I know! :o)
>
> cheers.
> paulv
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If you want to plot GOES data on maps, I suggest getting files from the NOAA CLASS archive

http://www.nsof.class.noaa.gov/saa/products/welcome

You can order them in a variety of file formats, including my favorite, netCDF.

These files are "navigated", which means that they have a longitude and latitude attached to each pixel, so they can be mapped with MAP PATCH.

I might even be willing to part with some code to display the files if suitably persuaded. :-)