
Subject: Re: Need GOES Image Expert

Posted by [Kenneth P. Bowman](#) on Mon, 17 Mar 2008 21:01:18 GMT

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

> 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/goesfaq.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

If you want to plot GOES data on maps, I suggest getting files from the NOAA CLASS
archive

<http://www.nsfc.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. :-)

Ken Bowman
