Subject: Re: calling MRT Swath from IDL
Posted by David Fanning on Thu, 20 Feb 2014 23:11:57 GMT

lhashemi@g.harvard.edu writes:

> another question: using some IDL codes from NASA website I've read MOD02KHM (500 m)
data as an array of reflectance for each band (no longitude and attitude is assigned).using
metadata I generate the long/lat of the bounding box(upper left and lower left, upper right and
lower right long and lat). is there a way to convert the array and bounding box to a Geotiff? the
problem is the pixel size is not fix.
>
> on the other hand, I've read and convert MOD02KHM to Geotiff by Gdal, but the value needs to
convert to reflectance and I don't know how to do it.

I don't understand what you mean. You say the MOD02KHM is an array of
reflectance values. How do they become something else when GDAL puts
them into a different file with a map projection?

And, doesn't GDAL require arrays of latitude and longitude (MOD03 files)
to do the conversion? I can't see how it could possibly work without
these values.

Cheers,

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