Subject: Re: calling MRT Swath from IDL
Posted by lhashemi on Fri, 21 Feb 2014 00:56:59 GMT
View Forum Message <> Reply to Message

> 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
>
> --
>
> David Fanning, Ph.D.
>
> Fanning Software Consulting, Inc.
>
> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
>
> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Gdal read the data correctly, however, the data are raw integer counts , I need to convert the data to floating-point corrected counts for my process. and I don't know how to do it? (this process needs an offset and scale, and I don't know where these data are located).

as I mentioned I got some IDL codes from NASA website for reading the data and converting them to floating-point corrected counts. however the result is an array for each band without any long/lat associated. I am looking for an idl code to re-project this arrays.

MOD02HKM (500 m) contains an array of long/lat (1000 m), I think it doesn't need MOD03 for re-projection (I'm not sure though). It should involve interpolation for generating long/lat for each pixel of data array or for a user defied grid.

I want to read, process and write MOD02HKM. I am looking either for an idl code to re-project the

data (read by some other IDL codes) or for an idl code to convert the raw integer number to floating corrected values (so I can use gdal for re-projection or MRTSwath). Any help would highly appreciated.

Thanks
LH
