
Subject: Re: Landsat Image weirdness - IDL off topic
Posted by lbuseett@yahoo.it on Tue, 17 Mar 2009 09:11:02 GMT
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On 16 Mar, 21:53, "Jean H." <jghas...@DELTHIS.ucalgary.ANDTHIS.ca> wrote:
> Hi all,
>
> Not too sure where to ask this question... hopefully someone here will know!
>
> Ok, I have downloaded a Landsat 7 ETM+ image from USGS (by the way,
> their new service, with free historical images is awesome!!)
>
> ... but it doesn't look as I hoped it would.. have a look
here:[http://www.environmentalmodelers.com/WP/sat_img_problem .gif](http://www.environmentalmodelers.com/WP/sat_img_problem.gif)
>
> Basically, I have, perpendicular to the fly path, some black lines.
> These lines are not present along the central line of the image, and the
> further you are from this center line, the wider are the black lines.
>
> Also, on the edge of the image, I can see some data extensions, which
> surprises me even more!
>
> So, is there anything I can do about this? (I guess it is not an Endian
> problem as the rest of the image looks good, it's not a data type
> problem either, not a band interleave pb as it is a single band)
>
> Thanks a lot!
> Jean

Hi Jean,

This is a well known problem of ETM+ data acquired after may 2007, and is due to the failure of the SLC (Scan Line Corrector). You find info on the problem here:

http://landsat.usgs.gov/products_slc_off_data_information.php

Unfortunately, I believe that there's no a real way to solve the problem, since in the black areas of your image the sensor did not acquire the data. A possibility is to use different images of the same area to build a single "gap filled" image.

Hope this helps,

Lorenzo
