Subject: Re: How to read ASTER in ENVI? Posted by Mort Canty on Mon, 27 Aug 2007 11:37:57 GMT

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highstone schrieb:

- > hello, I have a secen ASTER data named as "pg-
- > other files that have the same filename with suffix such as ".met",
- > and so on. When I read it by ENVI from "file----open image file" or
- > "file ----open external file---eos---aster", all the bands can be
- > showed in "available bands", and the DN of VIR band is float type and
- > more than 1, which shows it is not reflectance. I want to know how to
- > get the reflectance for visible or infrared bands and the radiance for
- > Tir of such ASTER data in ENVI or ERDAS? please help me, thank you.

>

From the filename, I believe that you are looking at an ASTER image from 2003 processed to Level 1B: registered radiance at the sensor. See

http://lpdaac.usgs.gov/aster/ast_l1b.asp

That meaans that the float data are in units of watts/meter^2/steradian/micrometer

In order to get ground reflectance you would either have to apply atmospheric correction yourself (e.g. with ENVI's FLAASH Addon) or order the corresponding product from LPDAAC.

-Mort