
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 means that the float data are in units of
watts/meter²/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
