Subject: Re: FLAASH Atmospheric Module
Posted by devin.white on Sun, 04 Nov 2007 19:06:14 GMT
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You should only use FLAASH if you are interested in converting your MASTER radiance data to apparent reflectance. This is only applicable for the first 25 bands (0.4621-2.3955 microns). If you are looking to convert the thermal bands to some sort of temperature estimates, you'll have to use another method.

For FLAASH to work correctly with MASTER data, you would need to supply a filter function file by choosing UNKNOWN-MSI as the Sensor Type and then clicking on the Multispectral Settings button. The filter function file would have to be built from scratch using the calibration report for your particular flight line(s). This is not a trivial process and cannot be done interactively in ENVI. An appropriate FLAASH scale factor for MASTER data is 10.

On Nov 3, 8:10 pm, Marsh...@gmu.edu wrote:
> Hi Dears,
>
> Its a good place to get advice. I am working on MASTER Airborne
> Simulator data. I have georeferenced various Scenes using GLT
> technique. The scenes has moderate haze with clear weather. Turbulence
> is (Winds from 320 degrees at 19 knots). I don't want to lose the
> radiance of pixels as I am interested in converting pixels radiance to
> pixel temperatures.
>
> My concern are:
>
> 1. Does I need to apply FLAASH module for Atmospheric correction of
> scenes given the above conditions?
>
> 2. If yes. Does Radiance values will be affected. As I mentioned, I
> don't want to loose the Radiance values.
>
> 3. While doing ENVI's FLAASH tutorial for correcting AVIRIS data, on
> step number 4 it is mentioned to select AVIRIS_1998_scale.txt file.
> Where can I find similar file for my MASTER data?
>
> AND Lastly,
>
> 4. Following step 6 of the same tutorial AVIRIS scale factors between
> 1995 and 2003 are said to 500 for the first 160 bands and 1000 for the
> remainder. Where can I find the Scale Factors for my MASTER scenes?
>
> Thank you for your earlist respose.

>
> Best Regards,
>
> Muhammad Arshad