
Subject: Re: reading and importing EOS-HDF
Posted by [Maarten\[1\]](#) on Tue, 09 Jun 2009 09:08:40 GMT
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On Jun 9, 8:01 am, drgur...@icimod.org wrote:

> I am very new to IDL and trying to read/import EOS-HDF. Any
> references, tutorials and guidance much appreciated.

Which version of HDF-EOS, or from which instrument or dataset?

HDF-EOS-2 (based on HDF-4) is fully supported in IDL, see the documentation for the `eos_pt_*`, `eos_gd_*` and `eos_sw_*` routines in the online help. These routines are fairly high-level, although the calling order can be somewhat odd (especially when writing data to a file).

HDF-EOS-5 (yes, based on HDF-5) has no special routines available in IDL, here you'll need to use the plain HDF-5 routines. Although a little more sanitized when compared to the HDF-4 routines, these are still low level routines. Over at [1] you'll find some instructions for HDF-(EOS-)5, in this case for the OMI (EOS-Aura) project.

I suggest that you at least install HDFView [2]. This tool allows you to inspect all variants of HDF files, and is a great aid in finding which field you actually want to read.

Best,

Maarten

[1] http://www.knmi.nl/omi/research/product/read_tool_omi_level2.php

[2] <http://www.hdfgroup.org/hdf-java-html/hdfview/>
