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Subject: Re: HDF object/tag retrieval  
Posted by [liamgumley](#) on Tue, 18 Sep 2007 14:26:59 GMT  
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Dear Jelle,

The following IDL function is designed to extract a single PVL object from a PVL formatted string, such as the CoreMetadata.0 global attribute in MODIS HDF files.

[ftp://ftp.ssec.wisc.edu/pub/incoming/get\\_metadata.pro](ftp://ftp.ssec.wisc.edu/pub/incoming/get_metadata.pro)

Here's an example. Note that `hdf_sd_attinfo.pro` is available from [http://gumley.com/PIP/Free\\_Software.html](http://gumley.com/PIP/Free_Software.html).

```
; Read a global attribute containing global metadata
file = 'MOD021KM.A2000115.1710.002.2000119195542.hdf'
hdfid = hdf_sd_start(file)
info = hdf_sd_attinfo(hdfid, ', 'CoreMetadata.0', /global)
hdf_sd_end, hdfid
```

```
; Extract a PVL object
pvlstring = info.data
objstring = 'RANGEBEGINNINGDATE'
result = get_metadata(pvlstring, objstring)
print, result
```

On a final note, you might be able to find a better tool for creating GeoTIFF files from the MYD09A1 product. Here are a few options.

HDFLook  
[http://www-loa.univ-lille1.fr/Hdflook/hdflook\\_gb.html](http://www-loa.univ-lille1.fr/Hdflook/hdflook_gb.html)

MRTSwath  
<http://edcdaac.usgs.gov/landdaac/tools/mrtswath/>

HEG  
<http://newsroom.gsfc.nasa.gov/sdptoolkit/HEG/HEGHome.html>

Cheers,  
Liam.  
Practical IDL Programming  
<http://www.gumley.com/>

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