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Subject: Help Doing HDF(-EOS) to Multi-layer GeoTIFF Conversion with IDL  
Posted by [dlamarhawkins](#) on Tue, 02 Mar 2010 17:19:01 GMT

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I have been tasked to convert HDF and HDF-EOS files to multi-layer GeoTIFF images. My source files are SeaWIFS (HDF) and MODIS L1B (HDF-EOS). HEG might be of some help except that it only runs on 32-bit Linux and we have 64-bit machines. We do, however, have a copy of IDL 6.2 on our Linux machines. Although I've done quite a bit of file conversion in the past, I am completely new to geo-located data.

I am aware of IDL's HDF\_\* and EOS\_SW\_\* routines and IDL's WRITE\_TIFF,...GEOTIFF=struct routine. I just don't know how to translate, for example, MODIS lat/lon data into the information needed in the IDL geotiff structure. Surely someone else here has already solved this problem. Does anyone have example IDL code that performs the necessary translation? Many thanks!

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