
Subject: IDL: Extracting Bit values in VIIRS Aerosol product

Posted by [Ian C.](#) on Fri, 16 Oct 2015 21:37:30 GMT

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I want to extract the fire QC value for this VIIRS file in IDL:

GAERO-VAOOO_npp_d20120803_t1243401_e1249205_b03974_c20140312
203414016823_noaa_ops.h5

I can access the raw value using the path:

/All_Data/VIIRS-Aeros-EDR-GEO_All/'GAERO-VAOOO_npp_d20120803
_t1243401_e1249205_b03974_c20140312203414016823_noaa_ops.h5/ QF2_VIIRSAEROEDR'

Now, I would like to extract the 8th element of this dataset (Fire detected in cell-valid over land and ocean). According to the pg 151 of the documentation (Joint Polar Satellite System (JPSS) Common Data Format Control Book - External (CDFCB-X) Volume IV- Part II - Imagery, Atmospheric, and Cloud EDRs)

Is there a code to decipher each element in QF2_VIIRSAEROEDR ?

Thanks,
-Ian
