
Subject: Re: IDL: Extracting Bit values in VIIRS Aerosol product

Posted by [Steve Super](#) on Wed, 29 Jun 2016 18:53:35 GMT

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Ian,

Not sure if you have found the solution to your problem yet or not, but I would refer you to the VIIRS Aerosol Products User's Guide at the following link:

http://www.star.nesdis.noaa.gov/smcd/emb/viirs_aerosol/documents/Aerosol_Product_Users_Guide_V2.0.1.pdf

In the appendix it gives a summary of all the aerosol quality flags and some code examples for extracting the bit values.

Regards,
Steve

On Friday, October 16, 2015 at 5:37:36 PM UTC-4, Ian Chang wrote:

> 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
