
Subject: Re: Reading sequence of HDF files fails after some number of successes
Posted by [Klemen](#) on Wed, 21 Nov 2012 14:22:02 GMT

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I am not sure if it helps, but I think you can delete the first line with:

```
HDF_SD_ENDACCESS, varid & $
```

As long as you work on the same file it works like this as code below(I use it open MODIS albedo Level 3 product). This is how I processed over 1000 files.

Cheers, Klemen

```
FOR y=0,n-1 DO BEGIN
; Open EOS-HDF
i_fid = HDF_ISHDF(s_list[y])
IF i_fid EQ 0 THEN BEGIN
PRINT, ' !!! ' + s_list[y]
PRINT, 'The input file does not exist or is not HDF format!'
CONTINUE
ENDIF
sd_id = HDF_SD_START(s_list[y], /READ)
FOR i=0,6 DO BEGIN
out[i,*,*] = albedo_process_read_HDF(sd_id, 'Albedo_WSA_Band' + STRTRIM(i+1, 1),
extent[*,t], sds_id=sds_id)
ENDFOR
HDF_SD_ENDACCESS, sds_id
HDF_SD_END, sd_id
```

Where the called function "albedo_process_read_HDF" is:

```
FUNCTION albedo_process_read_HDF, sd_id, sd_name, extent, sds_id=sds_id
sd_index = HDF_SD_NAMETOINDEX(sd_id, sd_name)
sds_id = HDF_SD_SELECT(sd_id, sd_index)
HDF_SD_GETDATA, sds_id, tmp, START=extent[0:1], COUNT=extent[2:3]
RETURN, tmp
END
```
