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Subject: how to write in HDF-EOS format?

Posted by [sbkim](#) on Sat, 08 Nov 2003 00:30:04 GMT

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I am trying to create a HDF-EOS file. Many comments on how to read HDF-EOS, but not on how to write. I did the following but I cannot create the hierarchy, nor add data fields to each level (eg, add 'latitude' to 'Geolocation field').

```
FileID=EOS_SW_OPEN(fhdf, /CREATE)
```

```
sz = size(sst.temp)
SwathID= EOS_SW_CREATE(FileID, 'L2 SST')
; geolocation field
SwathID= EOS_SW_ATTACH(FileID, 'Geolocation Fields')
s1 = EOS_SW_DEFDIM(swathID, "GeoTrack", sz(1))
s2 = EOS_SW_DEFDIM(swathID, "GeoXtrack", sz(2))
s3 = EOS_SW_DEFGEOFIELD(swathID, "latitude","GeoTrack,GeoXtrack", 5)
w1 = EOS_SW_WRITEFIELD(SwathID, 'latitude',float(l1b_ir.alat))
s4 = EOS_SW_DEFDATAFIELD(swathID, "longitude","GeoTrack,GeoXtrack", 5)
W2 = EOS_SW_WRITEFIELD(SwathID, 'longitude',float(l1b_ir.alon))
s5 = EOS_SW_DETACH(SwathID)

; Data. fields
SwathID = EOS_SW_ATTACH(FileID, 'Data Fields')
s4 = EOS_SW_DEFDATAFIELD(swathID, "Sst","GeoTrack,GeoXtrack", 5)
w3 = EOS_SW_WRITEFIELD(SwathID, 'Sst',float(sst.temp))
Result = EOS_SW_DETACH(SwathID)

status = EOS_SW_Close(FileID)
```

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