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Subject: Re: HDF\_SD\_ADDDATA problem  
Posted by [adfraser](#) on Fri, 02 May 2008 02:05:51 GMT  
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Hello again,

Good news: I've discovered a workaround! Inexplicably, if you use getdata to get the data and adddata to add back the data BETWEEN THE ONE SET OF HDF\_SD\_START and HDF\_SD\_END calls, then this seems to "unlock" the SDS, meaning you can then use the above code (HDFeditSDS) to write to the data as normal (by normal, I mean as if it were an unsubsetted MODIS L1B file).

Here's the code:

```
=====
FUNCTION HDFunlockSDS, filename, sdsname

sdfileid=hdf_sd_start(filename, /rdwr)

index = HDF_SD_NAMETOINDEX(sdFileID, sdsname)

thisSdsID = HDF_SD_SELECT(sdFileID, index)

HDF_SD_GETDATA, thisSdsID, sds

HDF_SD_AddData, thisSdsID, sds

HDF_SD_ENDACCESS, thisSdsID

hdf_sd_end, sdfileid

return, sds

END
=====
```

Any thoughts, James or anyone else? I have no idea why this works, but it does!

Cheers,  
Alex.

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