Subject: Re: IDL code to read MSU and HIRS in Level1b
Posted by Yamout on Thu, 19 Aug 2004 08:26:24 GMT
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Dear Mark,

thank you for your reply. As I said, I have ENVI with full version of
IDL unfortunately in PC (windows) platform. As you have written there
are some differences between the before and after 1995 formats. I have
asked SAA people and they can only send me such "helps" which I knew
already.

In response to your SAA Help Desk inquiry

E-Mail : Dear Hossein Yamout,

   The only difference between the data from before and after January
1, 1995 is the record length. For data from prior to 1995, there were
additional spare bytes at the end of each data record, effectively
increasing the overall record length. In particular, for the line item
you referenced, L5409101, which was for MSU data, you will want to look
at section 4.3 of the POD Guide
http://www2.ncdc.noaa.gov/docs/podug/html/c4/sec4-3.htm

   If you look at table 4.3.2.1-1. titled Format of MSU data, you will
see that pre-1995 data had spare bytes in byte locations 401 to 440
while the data starting in 1995 had spare bytes in byte locations 401 to
437. Otherwise, the formats are identical. If you are interested in the
other TOVS data types, they too had a record length change starting in
1995. The appropriate section of the POD Guide spells out the record
length change for these data types as well. For SSU data, see
http://www2.ncdc.noaa.gov/docs/podug/html/c4/sec4-2.htm
   and for HIRS data see
http://www2.ncdc.noaa.gov/docs/podug/html/c4/sec4-1.htm

   I hope this clarifies this matter for you.

   Sincerely,
   CLASS Help Desk

So I am looking around to find a kind human being help me discovering
the real differences or get an IDL code to read or at leat convert them
in a for me readable format (BIL, BIP, BSQ, or just ACII). I have
attached a sample data in my previous posting, but if you have cannot
access it any more, just let me know.
Regards
Hossein
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Mark Hadfield wrote:
> Do you have any software (in any language) that *does* read these data
> files? Or the post-1995 files?
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