
Subject: Re: FITS format reader?

Posted by [steve](#) on Wed, 27 May 1992 14:50:22 GMT

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In article <1992May27.133356.16897@constellation.ecn.uoknor.edu>, dwight@geohub.gcn.uoknor.edu (Dwight D. Moore) writes:

> Does any one have a FITS image file reader for PV-WAVE?

I wrote a very Q&D version some time back... hmmm 2 years back, now that I look at it. It's available by anon. ftp from sequoia.lle.rochester.edu (128.151.32.185), in pub, called readfits.pro. Send additions/corrections, etc. to me at the address below. Technically this code is the property of the University of Rochester, but it's not even complex enough to bother with a copyright notice. If you sell it and make millions, you should probably donate some of it to the UofR :-).

-steve

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+-----+-----+-----+-----+
|      | Steve Swales      (716) 275-7730,-3194,-5101 |      |
|      | steve@aldur.lle.rochester.edu      (128.151.32.171) |      |
|      | University of Rochester      250 East River Road |      |
|      | Laboratory for Laser Energetics Rochester, NY 14623 |      |
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Subject: Re: FITS format reader?

Posted by [isaacman](#) on Wed, 27 May 1992 18:20:00 GMT

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In article <27MAY199213524288@stars.gsfc.nasa.gov>, thompson@stars.gsfc.nasa.gov (William Thompson, code 682.1, x2040) writes...

> In article <1992May27.133356.16897@constellation.ecn.uoknor.edu>, dwight@geohub.gcn.uoknor.edu writes...

>> Does any one have a FITS image file reader for PV-WAVE?

>
> A very complete set of IDL utilities for FITS files can be found in the
> Astronomy User's Library maintained by Wayne Landsman at the NASA Goddard Space
> Flight Center. These should be applicable to PV-WAVE as well. A recent
> addition to this library also supports FITS binary tables. The information
> about access to this library is reproduced below

>
> Bill Thompson
>

CAUTION: NASA's Cosmic Background Explorer group is currently having severe problems getting the abovementioned FITS routines to work. The

versions of READFITS and WRITEFITS that are in the Astronomy User's Library as of this posting (27 May 92) are VERY buggy.

Rich Isaacman

Subject: Re: FITS format reader?

Posted by [murthy_j](#) on Wed, 27 May 1992 21:03:26 GMT

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In article <27MAY199214202119@stars.gsfc.nasa.gov> isaacman@stars.gsfc.nasa.gov (Subvert the Dominant Paradigm! (301) 513-7769) writes:

> In article <27MAY199213524288@stars.gsfc.nasa.gov>, thompson@stars.gsfc.nasa.gov (William Thompson, code 682.1, x2040) writes...

>> In article <1992May27.133356.16897@constellation.ecn.uoknor.edu>, dwight@geohub.gcn.uoknor.edu writes...

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>

> Rich Isaacman

I have tried at least the READFITS procedure on the IPAC ISSA files and it works fine. The problem was that one of the procedures called by READFITS had been inadvertently left in. If that procedure (sxaddpar) is removed from the FITS directory (I think) READFITS should work. The correct version is in the SDAS directory.

JAYant Murthy

Johns Hopkins, Dept of Physics

Subject: Re: FITS format reader?

Posted by [landsman](#) on Wed, 27 May 1992 22:57:00 GMT

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Here is what I know about the problems with the IDL FITS I/O procedures in the FTP anonymous directory on [idlastro.gsfc.nasa.gov](ftp://idlastro.gsfc.nasa.gov)
Between May 19 - May 21 the directory contained the following buggy procedures:

1. As mentioned by Jayant Murthy, the procedure SXADDPAR in the /fits directory was obsolete, although the one in the /sdas directory was correct.
2. The procedure WRITEFITS had a couple of typos preventing compilation.

Both of the above problems are now fixed.

The COBE group has had some additional problems writing floating point VMS FITS data under V2.2.1. I would encourage VMS users of floating point FITS data to upgrade to at least V2.2.2 (the current version is V2.3.0) to take advantage of the new XDR keywords to the BYTEORDER function.

I would appreciate hearing about any other problems with the FITS I/O procedures.

Wayne Landsman
landsman@stars.gsfc.nasa.gov
