Subject: Re: Has anyone worked with ARF files and brought them into IDL successfully?
Posted by Vince Hradil on Mon, 09 Feb 2009 16:09:04 GMT
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On Feb 7, 2:14 pm, Duppy <richsuza...@gmail.com> wrote:
> On Feb 5, 2:24 pm, "ben.bighair" <ben.bigh...@gmail.com> wrote:
>
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>
>> On Feb 5, 12:59 pm, Vince Hradil <vincehra...@gmail.com> wrote:
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>>> On Feb 5, 11:58 am, Vince Hradil <vincehra...@gmail.com> wrote:
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>>>> On Feb 5, 11:48 am, Vince Hradil <vincehra...@gmail.com> wrote:
>
>>>> > On Feb 5, 10:36 am, Duppy <richsuza...@gmail.com> wrote:
>
>>>> > > I'm looking to write a program in IDL to parse a header so I can read
>>>> > > an ARF file into IDL.   I'd also like to create an ENVI header
>>>> > > somehow. I was told I could use the Data Viewer in ENVI to see the
>>>> > > code, but I did it....wasn't sure exactly what I was supposed to look
>>>> > > for.
>
>>>> > > I'm very new at this and need a layman's perspective. I'm sort of
>>>> > > being thrown into programming at my job and I'm not a programmer at
>>>> > > all. Whatever help anyone could give would be greatly appreciated.
>
>>>> > > Thanks,
>
>>>> > > D.
>
>>>> > Can you describe a little bit about what an ARF file is? Is it an
>>>> > image format? What type of program writes the ARF file? I've written
>>>> > several custom routines for reading all kinds of raw data formats -
>>>> > first you have to know exactly how the data are "packed".
>
>>>> > Thanks,
>>>> > Vince
>
>>>> I found this:http://tinyurl.com/ad6kel
>>>> and also found out that xnview can read ARF files - maybe you can
>>>> convert them?
>
>>> I guess that xnview ARF might be something else...
>
>> I think that Duppy might provide a little more detail, but since this
>> is likely to be imagery (given the ENVI reference) then these two

>> links might help. Or at least they can reduce the universe of
>> possibilities by determining if ARF is related to FITS...
>
>> http://www.file-extensions.org/arf-file-extension-flexible-i mage-tran...
>
>> and you can verify that a file is FITS using...
>
>> http://fits.gsfc.nasa.gov/fits_verify.html
>
>> Cheers,
>> Ben
>
> Sorry. Yesterday was a very busy day at work. I have never worked
> with .arf files before. I ordered some panchromatic imagery from a
> company called Sensiac. The data was all sent in movie files in
> this .arf file format using a program called ImageJ made from NIH---
> it's a free viewer comparable to IDL and ENVI apparently. Anyway, I'm
> used to not having problems bringing in files into ENVI. Now I have to
> do it via IDL and I'm not sure how to do it. Funny how you'd think
> attending the IDL courses I'd know how to bring in a simple file into
> ENVI after converting it in IDL, but they never taught that crap. I
> guess they figure teaching things like addition and subtraction of
> variables like 2+2 is more valuable than bringing in data.

Here's what you can try:
1- download and install xnview and see if it will read the .arf
files. Then convert them to something that can be read into IDL, e.g.
TIFF, JPG, PNG, etc.
2- download and install ImageJ and read the files back in, then save
as something IDL can read.
3- figure out the file format of the .arf files (perhaps by contacting
Sensiac?) and write your own parser.