
Subject: Re: Has anyone worked with ARF files and brought them into IDL successfully?

Posted by [Vince Hradil](#) on Thu, 05 Feb 2009 17:48:38 GMT

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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
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> all. Whatever help anyone could give would be greatly appreciated.
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> Thanks,
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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

Subject: Re: Has anyone worked with ARF files and brought them into IDL successfully?

Posted by [David Fanning](#) on Thu, 05 Feb 2009 17:51:34 GMT

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Duppy writes:

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> being thrown into programming at my job and I'm not a programmer at
> all. Whatever help anyone could give would be greatly appreciated.

We thought so, from all the hard questions you are asking. ;-)

Cheers,

David

--

David Fanning, Ph.D.

Subject: Re: Has anyone worked with ARF files and brought them into IDL successfully?

Posted by [Vince Hradil](#) on Thu, 05 Feb 2009 17:58:22 GMT

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On Feb 5, 11:48 am, Vince Hradil <vincehra...@gmail.com> wrote:

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I found this: <http://tinyurl.com/ad6kel>

and also found out that xnview can read ARF files - maybe you can convert them?

Subject: Re: Has anyone worked with ARF files and brought them into IDL successfully?

Posted by [Vince Hradil](#) on Thu, 05 Feb 2009 17:59:22 GMT

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On Feb 5, 11:58 am, Vince Hradil <vincehra...@gmail.com> wrote:

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I guess that xnview ARF might be something else...

Subject: Re: Has anyone worked with ARF files and brought them into IDL successfully?

Posted by [ben.bighair](#) on Thu, 05 Feb 2009 19:24:57 GMT

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On Feb 5, 12:59 pm, Vince Hradil <vincehra...@gmail.com> wrote:
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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-image-transport-system-bitmap>

and you can verify that a file is FITS using...

http://fits.gsfc.nasa.gov/fits_verify.html

Cheers,
Ben

Subject: Re: Has anyone worked with ARF files and brought them into IDL successfully?

Posted by [Duppy](#) on Sat, 07 Feb 2009 20:14:38 GMT

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On Feb 5, 2:24 pm, "ben.bighair" <ben.bigh...@gmail.com> wrote:

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> 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.

Subject: Re: Has anyone worked with ARF files and brought them into IDL successfully?

Posted by [Duppy](#) on Sat, 07 Feb 2009 20:16:57 GMT

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On Feb 5, 12:51 pm, David Fanning <n...@dfanning.com> wrote:

> Duppy writes:
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> David
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> --
> David Fanning, Ph.D.
> Coyote's Guide to IDL Programming (www.dfanning.com)
> Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Smarmy, arrogant comments are not necessary.

Subject: Re: Has anyone worked with ARF files and brought them into IDL successfully?

Posted by [David Fanning](#) on Sat, 07 Feb 2009 20:56:06 GMT

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Duppy writes:

> Smarmy, arrogant comments are not necessary.

Sorry, you thought these fell into that category. It's just that after 20 some years of answering IDL questions whenever I get one that I think "I don't have any IDEA how to do that!", it is from an IDL newbie. I don't know why that is, but it is almost always the case. I always feel just about the opposite of arrogant when that happens. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

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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:

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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.
-