Subject: convert byte array [48,1221] to float
Posted by neb59 on Tue, 18 Jun 2013 20:50:12 GMT
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I used readfits to read in data and it produced a 48 by 1221 byte array. I tried using
 "ieee_to_host, data, IDLTYPE=4"
but I am having no luck converting it to a float array. Help would be appreciated !! Thanks !

Subject: Re: convert byte array [48,1221] to float
Posted by David Fanning on Tue, 18 Jun 2013 20:57:32 GMT
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neb59@cornell.edu writes:

> I used readfits to read in data and it produced a 48 by 1221 byte array. I tried using
>   "ieee_to_host, data, IDLTYPE=4"
> but I am having no luck converting it to a float array. Help would be appreciated !!

I'd try this:

   array = Float(data)

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")

Subject: Re: convert byte array [48,1221] to float
Posted by neb59 on Wed, 19 Jun 2013 01:37:11 GMT
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On Tuesday, June 18, 2013 4:57:32 PM UTC-4, David Fanning wrote:
> neb59@cornell.edu writes:
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>
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> David Fanning, Ph.D.
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> Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
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> Sepore ma de ni thue. ("Perhaps thou speakest truth.")

I tried that but it converts it to a 48 by 1221 float array and it is supposed to be a 12 by 1221 array. Any other ideas? Thank you !

Subject: Re: convert byte array [48,1221] to float
Posted by David Fanning on Wed, 19 Jun 2013 02:33:48 GMT
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neb59@cornell.edu writes:

> I tried that but it converts it to a 48 by 1221 float array and it is supposed to be a 12 by 1221 array. Any other ideas? Thank you !

Oh, I see. Try this, then:

  array = Float(data, 0, 12, 1221)

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.idlcoyote.com/
Sepore ma de ni thue. ("Perhaps thou speakest truth.")