Subject: Re: IDL 8.2.2 and PLOT with NaN values

Posted by chris_torrence@NOSPAM on Fri, 29 Mar 2013 15:36:02 GMT

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On Tuesday, March 26, 2013 9:59:36 AM UTC-6, Karlo Janos wrote:
> Hi group,
>
>
>
> can somebody confirm, that the PLOT function in IDL 8.2.2 produces the
>
> "arithmetic error: Floating illegal operand" when plotting a vector
>
> which contains NaN values?
>
>
>
> Example:
>
> p = PLOT([1,2,3,4,!VALUES.F_NAN,6,7,8,9])
>
>
>
> If I remember correctly, the former versions of IDL just skipped the
>
> NaNs without any error message.
>
>
>
> I am frustrated...
>
>
>
> Thanks
>
>
>
> Karlo

Hi Karlo,

This bug has now been fixed, and will be in the next IDL release. Thanks for reporting it!

In case you're interested, we added code to compute the maximum value of the plot, so that we could adjust the plot margins in case the Y range was huge. We just needed to use /NAN when computing the maximum, so that NaN values would be skipped.

Cheers,

Chris
ExelisVIS