Subject: Re: IDL in Scientific Communication and Visualization
Posted by TonyL on Wed, 03 Oct 2012 02:46:15 GMT
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On Wednesday, 3 October 2012 00:22:35 UTC+10, David Fanning wrote:
> Folks,
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>
> I'm giving a talk to some senior executives next week
>
> on how IDL can be used for scientific communication
>
> and visualization. Does anyone have some publicly-
>
> accessible (i.e, Internet) examples of IDL
>
> work they are particularly proud of and/or think might
>
> showcase IDL's role in producing high-quality
>
> science information for the public?
>
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>
> I'd be happy to highlight it and give you a
>
> shout-out in my talk. :-)
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>
> Cheers,
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>
> David
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>
> P.S. Matt, the NSIDC minimum ice image and graphs are
>
> already in my talk!
>
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> --

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

http://www.bom.gov.au/tsunami/history/20110311.shtml
the first image is an IDL graphic showing the max wave amplitude from a tsunami prediction.

http://www.bom.gov.au/tsunami/
this map and all the associated textual products are created by an IDL desktop app. Difficult to show you a current warning map as events are infrequent...but essentially coastal zones are hatched in. If you look at http://www.bom.gov.au/tsunami/about/jatwc.shtml
the picture at the top shows an operator in front of 3 screens, left one is an IDL graph showing predicted wave amplitude for a specific point and a google-earth like sphere that depicts model wave amps (also done in IDL), the middle screen shows the warning preparation tool, an IDL widget app.
