Subject: Re: Completely omit NaNs from line plot
Posted by dg86 on Wed, 25 May 2016 18:48:19 GMT
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On Wednesday, May 25, 2016 at 4:05:33 AM UTC-4, Mats Löfdahl wrote:
> Den onsdag 25 maj 2016 kl. 02:19:40 UTC+2 skrev laura...@gmail.com:
>> Hi,
>>
>> I have some solar irradiance data.  All the nighttime values are set to NaN so that they won't be used in any calculations.  I would like to plot a section of the time series but not include any of the points that are NaNs.  That is, normally plot won't make any mark for the time when there is a NaN, but I want to completely skip these points because they just make the plot twice as long as necessary.  Is there any way to do this other than creating a new array without those points?
>>
>> Thanks,
>>
>> Laura
>
> If you plot with time on the horizontal axis, the plot will be the same length whether you remove the NaNs or not, right? If you don't care about the time axis, you could always do something like
>
> plot, data(where(finite(data)))

plot, data[where(finite(data))]

"modernized" the array notation to emphasize subscripting by where().

TTFN,

David