
Subject: Re: trivial problem: How do I change the axis scale in an image plot?

Posted by [David Fanning](#) on Wed, 19 Dec 2012 03:12:09 GMT

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Balthasar Indermuehle writes:

> I'm having an off day... I have an image that's plotted using the cgIMAGE function. The Yscale is in seconds, and in log space. That all works beautifully, except I'd like it to be in minutes, not seconds... surely there's a simple way to replace the original Y axis labels with ones that are divided by 60?

I'd try this tick formatting function:

```
FUNCTION DoSeconds, axis, index, number  
  Return, String(number/60., Format='(F7.1)')  
END
```

And set your YTickFormat keyword to it:

```
cgImage, ..., YTICKFORMAT='DoSeconds'
```

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: trivial problem: How do I change the axis scale in an image plot?

Posted by [Balthasar Indermuehle](#) on Wed, 19 Dec 2012 04:41:26 GMT

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Thanks David, your awesomeness scores again! This works indeed. Do you know is there a way to make it put ticks at particular points? My range now goes from 0.2 to 831.9 minutes and the , let's say I want tick marks at 1, 5, 10, 15, 30, 60, 120, 240, 480 minute intervals?

Cheers

- Balt

Subject: Re: trivial problem: How do I change the axis scale in an image plot?
Posted by [Balthasar Indermuehle](#) on Wed, 19 Dec 2012 04:55:21 GMT
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Got that one solved:

Add these axkeywords:

YTICKS: 8, YTICKV: [1*60, 5*60, 10*60, 15*60, 30*60, 60*60, 120*60, 240*60, 480*60]

Note they need to be in the pre-scaled units, hence, the * 60 multiplier.

Cheers

- Balt

Subject: Re: trivial problem: How do I change the axis scale in an image plot?
Posted by [David Fanning](#) on Wed, 19 Dec 2012 05:03:07 GMT
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Balthasar Indermuehle writes:

> Got that one solved:
>
> Add these axkeywords:
>
> YTICKS: 8, YTICKV: [1*60, 5*60, 10*60, 15*60, 30*60, 60*60, 120*60, 240*60, 480*60]
>
> Note they need to be in the pre-scaled units, hence, the * 60 multiplier.

Hooray! Coyote got me drinking margaritas tonight to
celebrate the first snow fall of the season. Don't
believe I could have figured this out by myself! :-)

Cheers,

David

--

David Fanning, Ph.D.
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Subject: Re: trivial problem: How do I change the axis scale in an image plot?

Posted by [Balthasar Indermuehle](#) on Wed, 19 Dec 2012 05:22:41 GMT

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Congratulations! I covet snow, in 30C Sydney at this time of year... one of the things I'll never get used to having been a northern hemispherian until my mid 30's...
