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Subject: How to label a time axes on an image?

Posted by [steven.abel](#) on Mon, 16 May 2016 11:26:44 GMT

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Hi

I am having trouble labeling a time axis on an image. Here is some test code

```
;create a randomn image for testing
```

```
data = RANDOMU(seed,1800,401)
```

```
img = BYTSCL(data)
```

```
;data values that I would like to use for labeling the axes
```

```
xval = FINDGEN(1800)/(60.*60.*24.) + JULDAY(11,24,2014,11,15,00)
```

```
yval = FINDGEN(401)-200.
```

```
;plot the image and label the axes
```

```
im = IMAGE(img, RGB_TABLE=0,MARGIN=0.2)
```

```
yax = AXIS('Y', LOCATION=[0,0], TICKDIR=1, MINOR=0, COORD_TRANSFORM=[yval[0],1])
```

```
xax = AXIS('X', LOCATION=[0,0], TICKDIR=1, MINOR=0, TICKFORMAT='(C(CHI2.2, ":",  
CMI2.2))', COORD_TRANSFORM=[xval[0],1.]
```

I am using COORD\_TRANSFORM in the call to AXIS to try and convert the pixel number of the image to what I would like to display. In the example above this works for the yaxis which simply changes the axis data values. For the xaxis I am also trying to display it in a time format as HH:MM but all of the axes labels display as 00:00.

Any idea how I can label the xaxis correctly?

Thanks

Steve

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