
Subject: time series plot, second x-axis
Posted by [sh](#) on Mon, 18 Apr 2011 20:45:06 GMT
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Hi,

Can somebody tell me why 2009 and 2011 isn't visible? What is missing in the code?

Cheers,
Sebastian

```
function myticks, axis, index, value, level
```

```
if n_elements(level) eq 0 then level = 0
```

```
case level of
```

```
0: begin ; months
   return, string(value, FORMAT='(C(CMOA))')
end
```

```
1: begin ; years
   return, string(value, FORMAT='(C(CYI))')
end
```

```
endcase
```

```
end
```

```
pro ts_plot
```

```
begin_date=julday(9,1,2009,0,0,0)
end_date=julday(4,1,2011,0,0,0)
```

```
min_y=0
max_y=100
symsize=0.1
charsize=1.4
ythick = 1
xthick = 1
linethick = 1
xmargin=[8,8]
ymargin=[8,8]
```

```
dummy = label_date(DATE_FORMAT=['%M','%Y'], $
```

```
MONTHS=['JAN','FEB','MAR','APR','MAY','JUN','JUL','AUG','SEP ','OCT','NOV','DEC'])
```

```
xtv = timegen(20, UNITS="Months", START=begin_date)

window, /FREE, xsize=1200, ysize=400, xpos=100, ypos=100
```

```
plot, [ begin_date, end_date], [0., 100.], $
  /NODATA, YTICKLEN=1, YGRIDSTYLE=1, $
  YTHICK=ythick, XTHICK=xthick, $
  POSITION=[0.1,0.25,0.9,0.85], $
  YSTYLE=1, XSTYLE=1, $
  YTICKS=5, $
  COLOR=cgColor('black'), $
  XTICKLEN = 0.005, $
  XTICKS = n_elements(xtv)-1, $
  XTICKV = xtv, $
  XTICKFORMAT = 'MYTICKS', $
  XTITLE="", YTITLE='Soil Moisture (%)', $
  TITLE=title, $
  XTICKUNITS = ['Months','Years'], $
  XTICKLAYOUT = 2, $
  BACKGROUND = cgColor('white'), $
  CHARSIZE=charsize
```

```
for i=0, n_elements(xtv)-1 do begin
  oplot, [xtv[i], xtv[i]], [0.,100.], COLOR=cgColor('black'),
  THICK=0.5, LINESTYLE=1
endfor
```

```
end
```
