

plot time series

**Categories:** PNG Climatology AMSU OLR2

**Params:** dataset : *in, required, type='string: AMSU OLR'*  
dataset to plot  
canal : *in, optional, type='string: ax bx'*  
canal of AMSU  
only used if AMSU dataset

**Keywords:**

- Requires SAXO

**Returns:** [pltt](#)

[cm\\_4cal](#)

**Pre:** [varamma\\_profile.sh](#)

for AMSU dataset be sure to have `cx.an*yyyy*.climato.nc` ++ in the directory defined in `${VARAMMA_ID}/`

for OLR dataset be sure to have `olr.day.mean_climato_ng.nc` in the directory defined in `${VARAMMA_ID}/`

**Post:** [varamma\\_profile.sh](#)

PNG file is now present in `${VARAMMA_OD}`

**Todo:** ++ exploitation du champ info des fichiers OLR

++ split read and plot

++ saveimage or openps (for image to provide to publisher)

++ add `_EXTRA` keyword

To plot AMSU a4 climatology

**Examples:** IDL> timeserie, 'AMSU', 'a4'

To plot OLR climatology

IDL> timeserie, 'OLR', 'n.a.'

**History:** • fplod 2008-08-05T14:03:03Z zeus.locean-ipsl.upmc.fr (Linux)

– creation from hovmuller\_latitude.pro

– extract from ananewvaramma3.pro 20080718 :

; series temporelles

**Inconsistent literal block quoting.**

mois=['Jan','Feb','Mar','Apr','May','Jun','Jul','Aug','Sep','Oct','Nov','Dec']

mo\_lon=[31,28,31,30,31,30,31,31,30,31,30,31] canal='a5'

```

file='stagiaire/'+canal+'.climato.nc' initncdf, file, xaxis-
name = 'xlon', yaxisname = 'ylat'
domdef,-10,5,15,25 imo=4 ; no du mois im1=9 j1=total(mo_lon(0:imo-
2)) & J2=total(mo_lon(0:im1-2))+mo_lon(im1-1)-1 ;imo=1
; no du mois ;im1=12 ;j1=0 & j2=364 ;J2=total(mo_lon(0:im1-
2))+mo_lon(im1-1)-1 print,j1,j2 data=read_ncdf('moyenne.tb',
j1,j2,/timestep,timevar = 'jours', file = file) time=julday(imo,1,2000)+lindgen(jpt)
seriea5=(data.arr-min(data.arr))/(max(data.arr)-min(data.arr))
pltt>window=1,seriea5, 't',title='climatology time series',min=0.1,max=0.9
xyouts,max(time)+20,0.1,'a5',color=0,charsize=2

```

**Version:** \$Id: timeserie.pro 2 2008-12-18 16:56:52Z pinsard \$