

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 \$