NAME

olr_split.sh - split OLR mean daily file

SYNOPSYS

```
olr_split.sh [-g] [-r] [-f] [-y year]
```

DESCRIPTION

Split OLR mean daily file by year and reduce geographical domain to [60 ° W, 50 ° E] [30 ° S, 45 ° N].

If `-g` option is set, there will be no geographical domain reduction.

If `-f` option is set, previously output files will be overwritten.

If `-r` option is set, output files will be concatenated in one (might be usefull, combinated with `-g` option to check).

If `-y` option is set with a year, only this year will be splitted.

EXAMPLES

To split ${VARAMMA_ID}/olr.day.mean.nc between [2000,2007] and between [60 ° W, 50 ° E] [30 ° S, 45 ° N]

```
$ olr_split.sh
```

To split ${VARAMMA_ID}/olr.day.mean.nc in 2006 between [60 ° W, 50 ° E] [30 ° S, 45 ° N]

```
$ olr_split.sh -y 2006
```

To split globaly and build a recomposed file

```
$ olr_split.sh -g -r
```

one might compare original and rebuild file

```
$ cdo diffv ${VARAMMA_ID}/olr.day.mean.nc ${VARAMMA_OD}/olr.day.mean_rebuild.nc
```

diff should only show differences in global attributes

CAUTIONS

Does'nt work on zeus because of UDUnits library problems

++++ GROS DOUTE SUR LES LONGITUDES DANS CES FICHIERS +++++++

FILES

original location

/usr/home/fplod/incas/varamma/varamma_ws/olr_split.sh sur aedon.locean-ipsl.upmc.fr

TODO

++ unset
   ++ option debug/verbose
   ++ gestion log
   ++ vérification accès filein
   ++ found none interactive actionof ncks if output file exists

EVOLUTIONS

$Id: olr_split.sh 2 2008-12-18 16:56:52Z pinsard $

- fplod 2008-08-14T14:53:04Z aedon.locean-ipsl.upmc.fr (Darwin)
  - modify West longitude conversion according to http://en.wikipedia.org/wiki/Longitude
- fplod 2008-08-13T14:26:41Z aedon.locean-ipsl.upmc.fr (Darwin)
  - add -f option
  - add -y option
  - add 180 degre to longitude centered on meridien 0 (<0 =W , >0=E)
- fplod 2008-07-24T15:02:12Z aedon.locean-ipsl.upmc.fr (Darwin)
  - creation