
Subject: How to shift 1 year forward in time

Posted by [Ahmed Salahuddin](#) on Tue, 19 Jul 2011 22:27:55 GMT

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Hi IDL Group,

It would be greatly appreciated if someone out there can help me on how to shift 1 year forward in time. Here is the details.

Here is what I have from the file of

hadam3p_pnw_zes_1999_1_006983552_0_1 Folder

zezsga.pdj9dec.pnw.nc

zezsga.pdk0jan.pnw.nc

zezsga.pdk0feb.pnw.nc

zezsga.pdk0mar.pnw.nc

zezsga.pdk0apr.pnw.nc

zezsga.pdk0may.pnw.nc

zezsga.pdk0jun.pnw.nc

zezsga.pdk0jul.pnw.nc

zezsga.pdk0aug.pnw.nc

zezsga.pdk0sep.pnw.nc

zezsga.pdk0oct.pnw.nc

zezsga.pdk0nov.pnw.nc

From the above file structure it means only the first file

(zezsga.pdj9dec.pnw.nc) for dec of 1999 and the remaining files for 2000.

Originally, our understanding of the file structure is as follows

dec1998

jan1999

feb1999

mar1999

apr1999

may1999

jun1999

jul1999

aug1999

sep1999

oct1999

nov1999

Thus, the dates are shifted by a full year in the original IDL program and I need to have it be consistent. Where can I change this in the idl program?

for i=12,334 do begin ; I have 27 years starting from 1980

```
if imo gt 11 then begin
  imo=0
endif
vararr=tavg(*,*,i) ; I calculated temp avg
for iarea=0,nareas-1 do begin ; I have 8 areas
  domain=c_area(iarea)
  inarr=vararr(*,*)

  regcpdn_area_avg,domain,WOCmask,WOMmask,WOEmask,WOImask,CAsk,
  CVmask,WUSmask,WVmask,lon,lat,inarr,outval
  obsarr(iyear,imo,iarea)=outval
  if finite(outval) eq 0 then stop
endfor
print,1979+iyear,imo
if imo eq 0 then iyear=iyear+1
imo=imo+1
endfor
```

Regards,
salahud
