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Subject: How convert the grid size from irregular grid to regrid size using CMIP5 model in IDL?

Posted by [csl.ewha](#) on Fri, 19 Aug 2016 17:51:51 GMT

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Hi,

I want to convert to the grid size.

below is my CMIP5 model information.

```
1 netcdf sic_Olmon_NorESM1-M_historical_r1i1p1_185001-200512 {  
2 dimensions:  
3   time = UNLIMITED ; // (1872 currently)  
4   j = 384 ;  
5   i = 320 ;  
6   bnds = 2 ;  
7   vertices = 4 ;
```

I want to change the below size to lon=144, lat=72 (2.5 by 2.5 grid)

first, i use the congrid function in IDL like below;

```
deg=fltarr(144,72,time)  
deg=congrid(var2,144,72,time,/center)  
but, the output figure is weird.
```

I have to solve this problem; convert the irregular grid size in CMIP5 model to regular grid size.  
please, check this question and anyone knows references above that, reply on me.

Thank you.

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