
Subject: Re: how can you convert CMIP5 model output time ?

Posted by [siumtesfai](#) on Wed, 23 Jul 2014 21:00:56 GMT

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On Wednesday, July 23, 2014 3:59:49 PM UTC-4, siumt...@gmail.com wrote:

> how can you convert CMIP5 model output time to the Julian day?

Here is example CMIP5 model output

```
netcdf sfcWind_Amon_CSIRO-Mk3-6-0_historical_r10i1p1_185001-200512 {  
dimensions:
```

```
    time = UNLIMITED ; // (1872 currently)
```

```
    lat = 96 ;
```

```
    lon = 192 ;
```

```
    bnds = 2 ;
```

```
variables:
```

```
    double time(time) ;
```

```
        time:bounds = "time_bnds" ;
```

```
        time:units = "days since 1850-01-01 00:00:00" ;
```

```
        time:calendar = "noleap" ;
```

```
        time:axis = "T" ;
```

```
        time:long_name = "time" ;
```

```
        time:standard_name = "time" ;
```

```
    double time_bnds(time, bnds) ;
```

```
    double lat(lat) ;
```

```
        lat:bounds = "lat_bnds" ;
```

```
        lat:units = "degrees_north" ;
```

```
        lat:axis = "Y" ;
```

```
        lat:long_name = "latitude" ;
```

```
        lat:standard_name = "latitude" ;
```

```
    double lat_bnds(lat, bnds) ;
```

```
    double lon(lon) ;
```

```
        lon:bounds = "lon_bnds" ;
```

```
        lon:units = "degrees_east" ;
```

```
        lon:axis = "X" ;
```

```
        lon:long_name = "longitude" ;
```

```
        lon:standard_name = "longitude" ;
```

```
    double lon_bnds(lon, bnds) ;
```

```
    double height ;
```

```
        height:units = "m" ;
```

```
        height:axis = "Z" ;
```

```
        height:positive = "up" ;
```

```
        height:long_name = "height" ;
```

```
        height:standard_name = "height" ;
```

```
    float sfcWind(time, lat, lon) ;
```

```
        sfcWind:standard_name = "wind_speed" ;
```

```
        sfcWind:long_name = "Near-Surface Wind Speed" ;
```