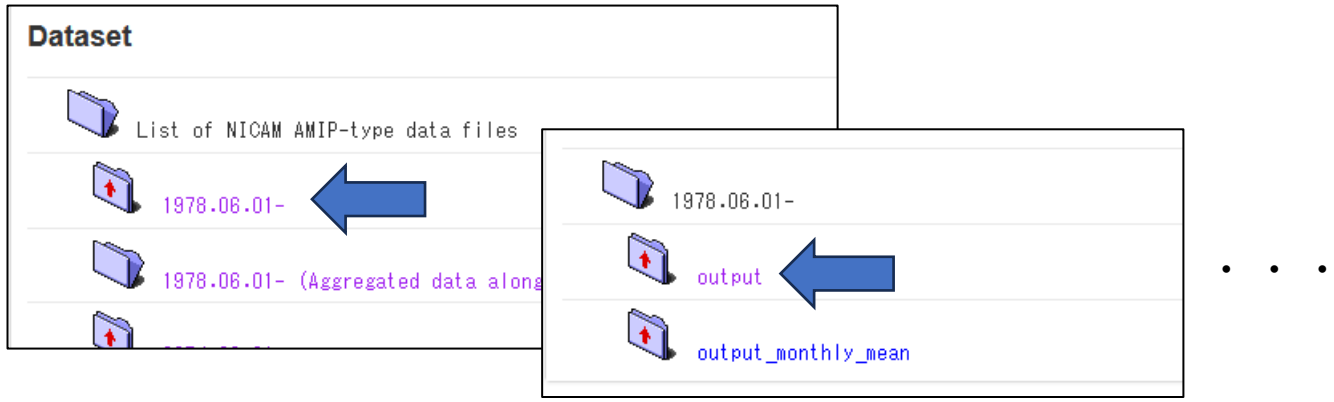
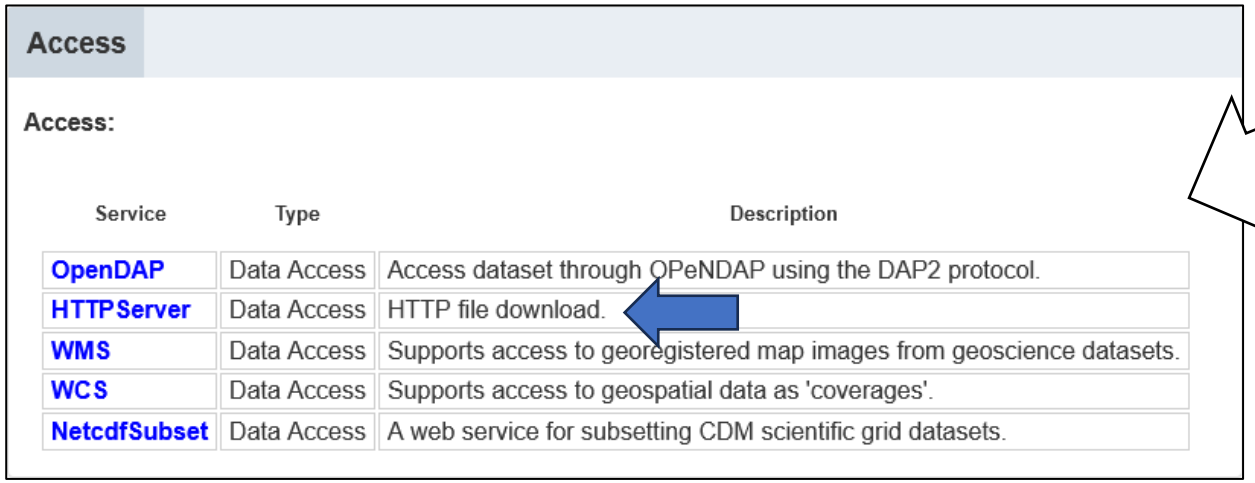
Tips on NICAM Simulation Data Site

Download NetCDF file

- Go to data path and click or wget “HTTPServer” link.



. . .



Example: 1-deg temperature at standard pressure levels on 1st June 1978

```
$ https://www.jamstec.go.jp/nicam_data/fileServer/19780601/output/1978/19780601-19780601/data_nc/00360x00181.p26.torg/ms_tem.nc
```

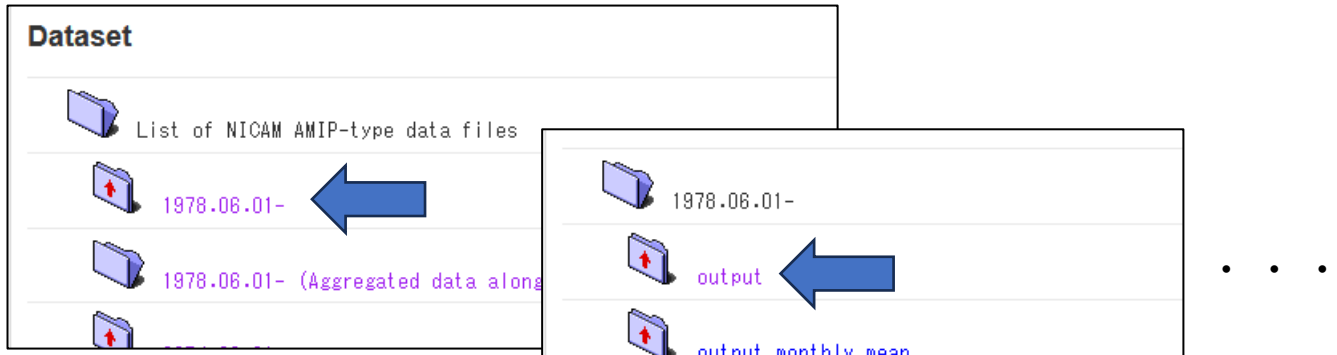
Download multiple NetCDF files

- Bash script example:

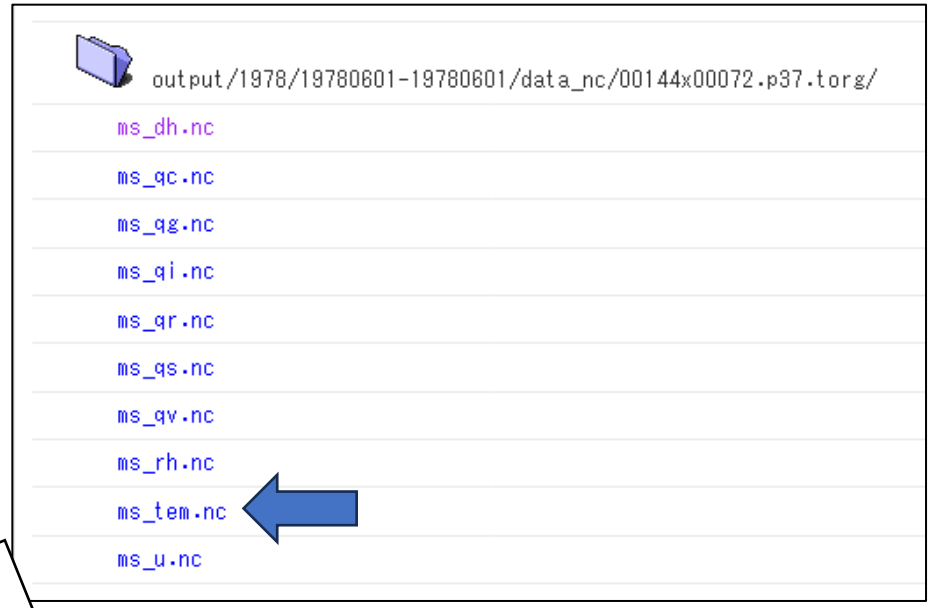
```
#!/bin/bash
export LC_ALL=C
url=https://www.jamstec.go.jp/nicam_data

#----- Edit below -----#
resol=00360x00181.p26.torg
var_list=( ms_tem ms_u )
ymd_start=19780601
ymd_endpp=19780611
#----- Edit above -----#

ymd_list=()
ymd=${ymd_start}
while (( ${ymd} < ${ymd_endpp} )) ; do
    ymd_list+=( ${ymd} )
    ymd=$( date --date "${ymd} 1 day" +%Y%m%d )
done

for var in ${var_list[@]} ; do
    wget -x ${url}/fileServer/19780601/output/ctl_nc/${resol}/${var}.ctl
    for ymd in ${ymd_list[@]} ; do
           wget -x ${url}/fileServer/19780601/output/${ymd:0:4}/${ymd}-${ymd}/data_nc/${resol}/${var}.nc
           sleep 1s
    done
done
```

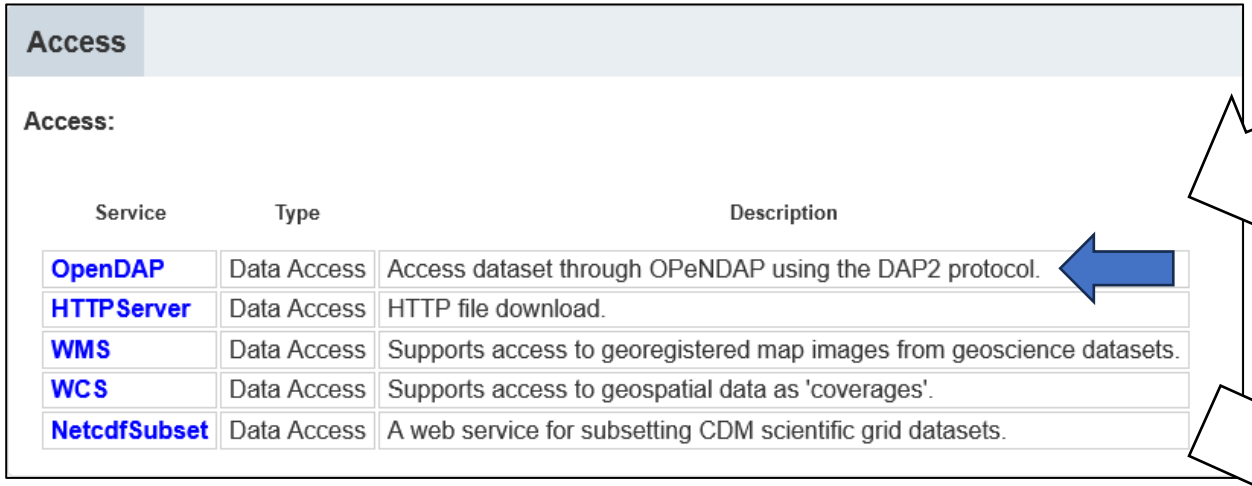
Plot with single file via OpenDAP (1/2)

- Go to data path, click “OpenDAP”, and check “Data URL”

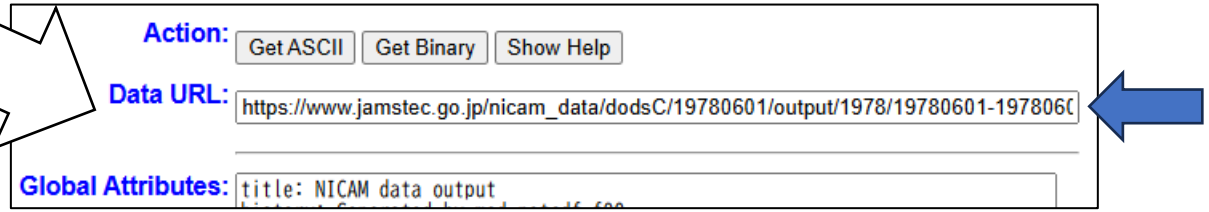


. . .





Example: 1-deg temperature at standard pressure levels on 1st June 1978



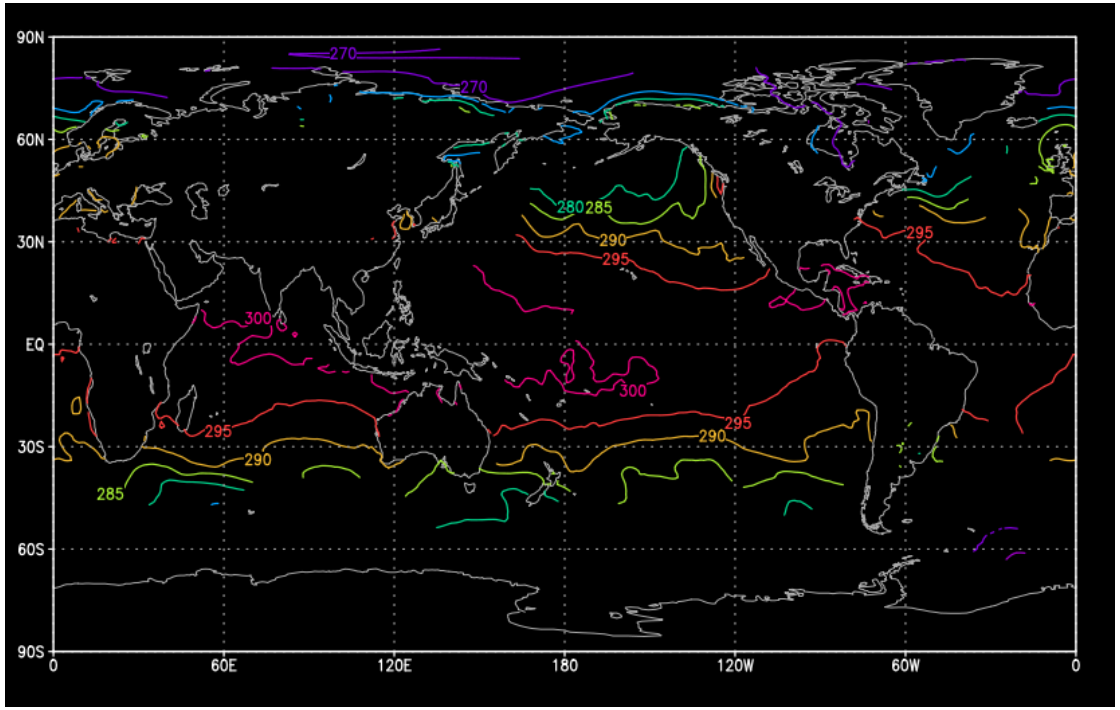
Plot with single file via OpenDAP (2/2)

- Launch GrADS and open the “Data URL” with sdfopen

```
ga-> sdfopen
https://www.jamstec.go.jp/nicam_data/dodsC/19780601/output/1978/19780601-
19780601/data_nc/00360x00181.p26.torg/ms_tem.nc
```

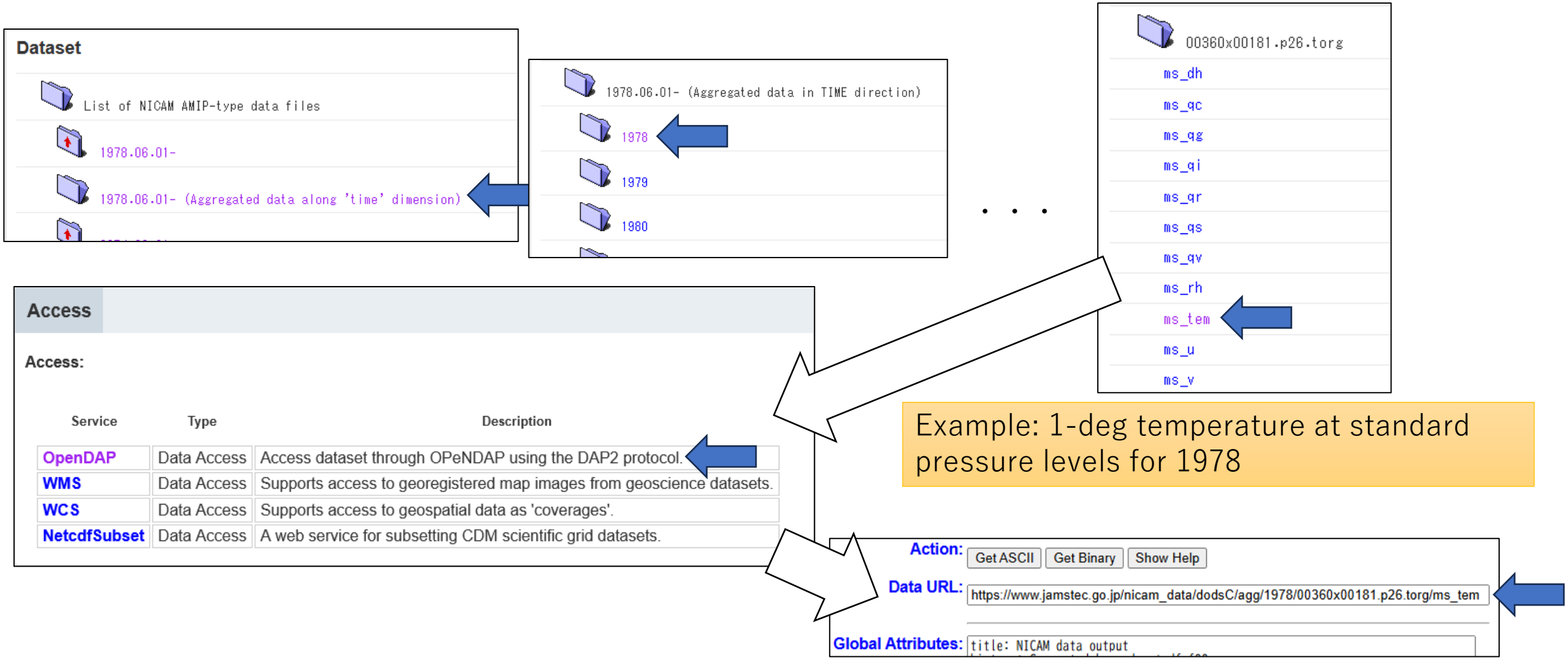
- Just plot!

```
ga-> d ms_tem
```



Plot with aggregated files via OpenDAP (1/2)

- Go to data path, click “OpenDAP”, and check “Data URL”



Plot with aggregated files via OpenDAP (2/2)

- Launch GrADS and open the “Data URL” with sdfopen

```
ga-> sdfopen
https://www.jamstec.go.jp/nicam_data/dodsC/agg/1978/00360x00181.p26.torg/ms_tem
```

- Just plot!

```
ga-> d ms_tem
```