

How to get daily RTOFS data from DODS

For Daily Runs:

For example do:

[http://nomads6.ncdc.noaa.gov:9090/dods/rtofs/daily/rtofs20070626/rtofs_DODS_atl.ascii?wtmpdsl\[0:5\]\[0:39\]\[800:800\]\[700:700\]](http://nomads6.ncdc.noaa.gov:9090/dods/rtofs/daily/rtofs20070626/rtofs_DODS_atl.ascii?wtmpdsl[0:5][0:39][800:800][700:700])

where wtmpdsl[0:5][0:39][800:800][700:700] is
wtmpdsl[time/cast][level][j][i]

For a different date change:
rtofs20070301 to the date you want rtofsyyyymmdd
where yyyy is a 4-digit year, mm-month and dd-day

and the ranges are:

time/cast: 0:5
 { 0: Nowcast, 1: 24 hr forecast, 2: 48-hr forecast, 3: 72-hr forecast, 4:
96-hr forecast, 5: 120-hr forecast}
level: 0:39
 level =39 is the top level
j: 1:1200
i: 1:1684

and for a different field change wtmpdsl to the one you want from the
choices below

Fields available for production run:

Variables:
(total of 13)

dzdtdsl
** (profile) geometric vertical velocity [m/s]

mixhtsfc
** surface mixed layer depth [m]

salinds1
** (profile) salinity [psu]

sshgsfc

** surface sea surface height relative to geoid [m]

uogrddsl

** (profile) u of current [m/s]

vogrddsl

** (profile) v of current [m/s]

wtmpdsl

** (profile) temperature [k]

var188sfc

** surface undefined

var189sfc

** surface undefined

var192sfc

** surface undefined

var193sfc

** surface undefined

var207sfc

** surface undefined

var208sfc

** surface undefined

The last 6 are:

var193sfc: LOUV:sfc:kpds=193,1,0:anl:"Longitude of U wind component of velocity [deg]

var192sfc: LAUV:sfc:kpds=192,1,0:anl:"Latitude of U wind component of velocity [deg]

var189sfc: LOVV:sfc:kpds=189,1,0:anl:"Longitude of V wind component of velocity [deg]

var188sfc: LAVV:sfc:kpds=188,1,0:anl:"Latitude of V wind component of velocity [deg]

var208sfc: LOPP:sfc:kpds=208,1,0:anl:"Longitude of pressure point [deg]

var207sfc: LAPP:sfc:kpds=207,1,0:anl:"Latitude of pressure point [deg]

For more info on the fields check out:

http://nomads6.ncdc.noaa.gov:9090/dods/rtofs/daily/rtofsyyyymmdd/rtofs_DODS_atl.info

replace yyyy with 4-digit year, mm with month and dd with day

If you have wget on your machine then you can use it from a script as:

```
stuff=`wget -O -
```

```
"http://nomads6.ncdc.noaa.gov:9090/dods/rtofs/daily/rtofsyyyyymmdd/rtofs\_DODS\_atl.as  
cii?wtmpdsl\[1:1\]\[0:39\]\[800:800\]\[700:700\]"
```

Right now, wget is not available on mist/dew though. But it is available on polar