

## How to get hourly RTOFS data from DODS

For Hourly files:

[http://nomads6.ncdc.noaa.gov:9090/dods/rtofs/hourly/rtofs20070626/rtofs\\_fore\\_DODS\\_atl.ascii?wtmpchg1\\_2\[0:30\]\[800:800\]\[700:700\]](http://nomads6.ncdc.noaa.gov:9090/dods/rtofs/hourly/rtofs20070626/rtofs_fore_DODS_atl.ascii?wtmpchg1_2[0:30][800:800][700:700])

where

wtmpchg1\_2[0:30][800:800][700:700]

is

wtmpchg1\_2[time = 0..119][lat = 0..1683][lon = 0..1199] for forecast

and

wtmpchg1\_2[time = 0..24][lat = 0..1683][lon = 0..1199] for nowcast

and fields available are:

Variables:

(total of 15)

mixhtsfc

\*\* surface mixed layer depth [m]

mntsfsfc

\*\* surface montgomery stream function [ $m^2/s^2$ ]

salinhg1\_2

\*\* hybrid=1-2 layer salinity [psu]

sshgsfc

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

ubaroclm

\*\* ocean column barotropic u velocity [m/s]

uogrdhg1\_2

\*\* hybrid=1-2 layer u of current [m/s]

vbaroclm

\*\* ocean column barotropic v velocity [m/s]

vogrdhg1\_2

\*\* hybrid=1-2 layer v of current [m/s]

wtmpchg1\_2

\*\* hybrid=1-2 layer temperature [k]

var188sfc

\*\* surface undefined

var189sfc

\*\* surface undefined

var192sfc

\*\* surface undefined

var193sfc

\*\* surface undefined

var207sfc

\*\* surface undefined

var208sfc

\*\* surface undefined

And 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 fields:

[http://nomads6.ncdc.noaa.gov:9090/dods/rtofs/hourly/rtofsyyyymmdd/rtofs\\_fore\\_DODS\\_atl.info](http://nomads6.ncdc.noaa.gov:9090/dods/rtofs/hourly/rtofsyyyymmdd/rtofs_fore_DODS_atl.info)

where yyyy-4-digit year, mm-month and dd-day

and hourly fields are surface only