**User Manual – Compilation of MOM6 on Deepthought2 10/14/2020**

1. Cp env.dt2 (your root directory)/MOM6-examples/build/intel
2. Cp dt2-intel.mk (your root directory)/MOM6-examples/src/mkmf/templates
3. Modify mom6\_solo\_compile.csh:
   1. Change “root = ” to your root directory
4. Compile CVMix-src:
   1. Cd (your root directory)/MOM6-examples/src/MOM6/pkg/CVMix-src
   2. Compile according to the README file in <https://github.com/CVMix/CVMix-src/tree/534fc38e759fcb8a2563fa0dc4c0bbf81f758db9>

To check whether you successfully compile the package CVMix-src, you need to ensure the existence of the following files:

* CVMix-src/lib/libcvmix.a;
* CVMix-src/include/\*.mod;
* CVMix-src/bld/obj/\*.o;
* CVMix-src/bin/cvmix

Moduel avail intel/ncl/netcdf……. Then module load ncl/6.2.1

Remember to delete all of .mod .o .d .a when start a new run after failure.

Run ‘make’ in the /lustre/jjd0817/MOM6-examples/src/MOM6/pkg/CVMix-src/src