# sdsc job setup

## trestles.sdsc.edu

The following module changes need to be made in ~/.bash_profile or via the properties->c/c++_build->manage_environment check boxes:

```
module unload mvapich2
module unload pgi
module load intel
module load mvapich2
```

Change these lines in the Makefile to use the Intel compilers with trestles:

```
# gcc compiler:
#LIB = -lgfortran
# intel compiler:
LIB = -lifcore -limf -ldl
```

In the system-monitoring perspective, add a torque resource manager for trestles.sdsc.edu  and start it.

The /phase1 filesystem was phased out a few weeks back so the "basic" pbs script will not work with trestles at this time.
For now, import a script into the run configuration "Import PBS Script" option (you'll need to save a file like this to your c/c++ perspective shallow project area):

```
#!/bin/bash
#PBS -q normal
#PBS -N ptp_job
#PBS -l nodes=1:ppn=5
#PBS -l walltime=00:05:00
#PBS -V

MYSCREXE="${HOME}/shallow/shallow"
cd $HOME/shallow2
COMMAND="mpirun_rsh -np 5 -hostfile ${PBS_NODEFILE} ${MYSCREXE}"
${COMMAND}
```

There's an sdm on trestles here, but the interactive job manager to support debugging is not configured for trestles so it's probably no use right now:

```
/home/ux453915/proxy/org.eclipse.ptp.linux.x86_64_6.0.1.201206292032/bin/sdm
```