

* **Yellowstone's computing environment**

The default shell is tcsh. The default can be changed through SAM (<https://sam.ucar.edu>), but the tutorial examples assume that you are using tcsh.

Checking your disk quota:

```
> gladequota
```

These are CESM-specific environment variables, set by default:

```
> echo $CESMROOT
> echo $CESMDATAROOT
```

* **The LSF batch system**

Submit script "foo.sh":

```
> bsub <foo.sh
```

Start an interactive session with X forwarding on Caldera:

```
> bsub -Is -P <project #> -W <time limit> -n 1 -q caldera \
>     -m <desired node> <desired shell>
```

Check all of your own jobs:

```
> bjobs
```

Detailed information about your own jobs:

```
> bjobs -l
```

Find a "slot" so that you can run a job that's the right size to fit:

```
> bslots
```

Kill a job (queued or running):

```
> bkill <job #>
```

* **Modules**

Listing the currently loaded modules:

```
> module list
```

Listing all available modules:

```
> module avail
```

Load/unload the nco module:

```
> module load nco
> module unload nco
```

Switch to the PGI compiler:

```
> module swap intel pgi
```

(Note: The compiler in your environment does not affect CESM builds. CESM will build with the compiler that was provided on the command line when you run create_newcase.)