# HPC (SLAC) cluster tests for OpSim

**STILL IN THE WORKS**

A few simulations were run on the HPC (SLAC) machines to see the speed improvements. Following is the output for the xxl run on bullet.

Job <main.py> was submitted from host <rhel6-64d> by user <schandra> in cluster <slac>.
Job was executed on host(s) <bullet0077>, in queue <xxl>, as user <schandra> in cluster <slac>.
</u/de/schandra> was used as the home directory.
</u/de/schandra/LSST/opsim/src> was used as the working directory.
Started at Fri Apr 25 10:38:19 2014
Results reported on Fri Apr 25 18:52:23 2014

Your job looked like:

```
------------------------------------------------------------
# LSBATCH: User input
main.py
------------------------------------------------------------
```

Successfully completed.

Resource usage summary:

```
  CPU time :            26209.96 sec.
  Max Memory :          913 MB
  Average Memory :      826.23 MB
  Total Requested Memory : -
  Delta Memory :        -
  (Delta: the difference between Total Requested Memory and Max Memory.)
  Max Swap :            1283 MB
  Max Processes :       3
  Max Threads :         4
```

Unfortunately this run finished in the middle.

mysql> select count(*) from ObsHistory where Session_sessionID=1003;

```
+----------+
| count(*) |
+----------+
|   354431 |
+----------+
1 row in set (0.05 sec)
```