```
                Step[ FC]      Time         Energy          fmax
*Force-consistent energies used in optimization.
BFGSLineSearch:    0[  0] 11:01:52         5.911243*         1.0430
BFGSLineSearch:    1[  2] 11:01:52         5.581705*         1.1466
BFGSLineSearch:    2[  4] 11:01:52         5.506671*         0.3204
BFGSLineSearch:    3[  5] 11:01:53         5.499464*         0.1797
BFGSLineSearch:    4[  7] 11:01:53         5.465269*         0.8446
BFGSLineSearch:    5[ 10] 11:01:53         5.439846*         0.8006
BFGSLineSearch:    6[ 11] 11:01:53         5.383279*         0.3794
BFGSLineSearch:    7[ 12] 11:01:53         5.366074*         0.2622
BFGSLineSearch:    8[ 13] 11:01:53         5.353435*         0.3095
BFGSLineSearch:    9[ 15] 11:01:53         5.345301*         0.1689
BFGSLineSearch:   10[ 17] 11:01:53         5.337441*         0.1080
the Platium energy before:
5.20297190996
```

```
#PBS -N job1
#PBS -q force
#PBS -o job1.output.$PBS_JOBID
#PBS -j oe
#PBS -l nodes=1:ppn=2
#PBS -l walltime=10:00

cd ./test.py/
source /nv/pace-ice/bcomer3/ug_esp_env.sh
python test.py
```