# Zeus User Meeting

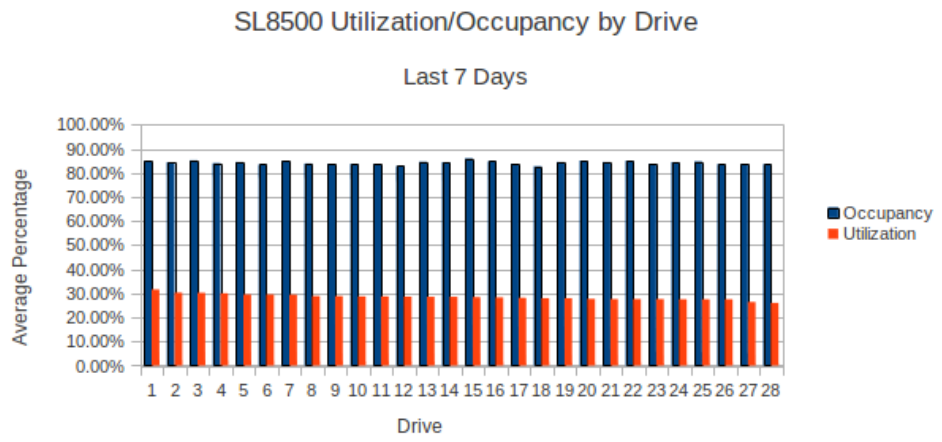
July 11th, 2012

# Agenda

- HPSS Status
- Zeus Status
- Upcoming Events
- User Meeting Schedule
- Known Issues
- Q&A

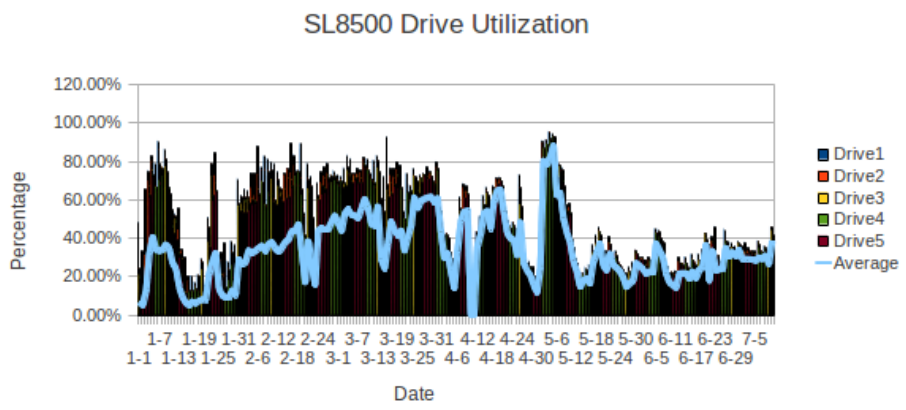
# HPSS Status

## Drive Occupancy



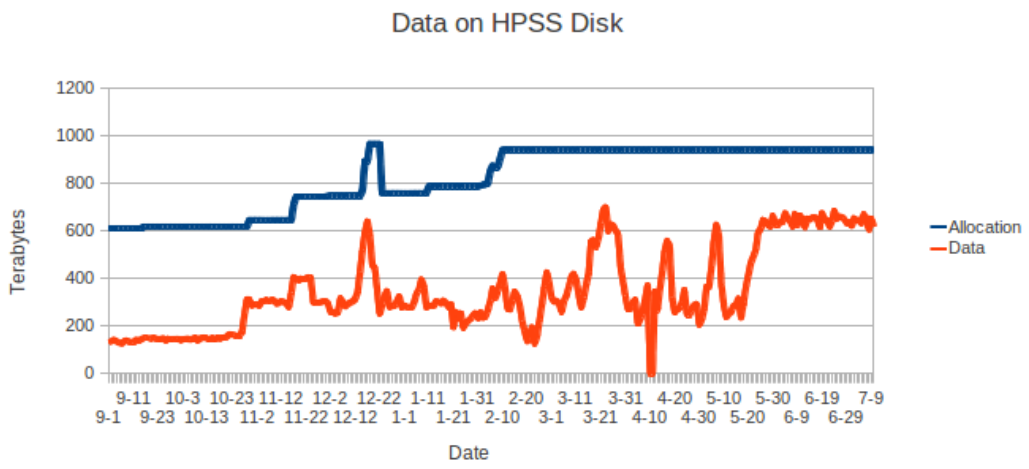
# HPSS Status

## Drive Utilization (top 5)



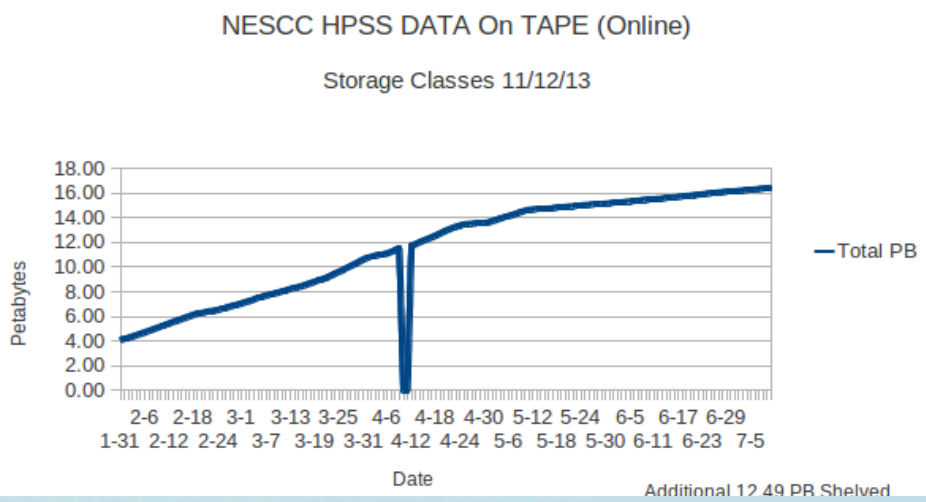
# HPSS Status

## Data on Cache



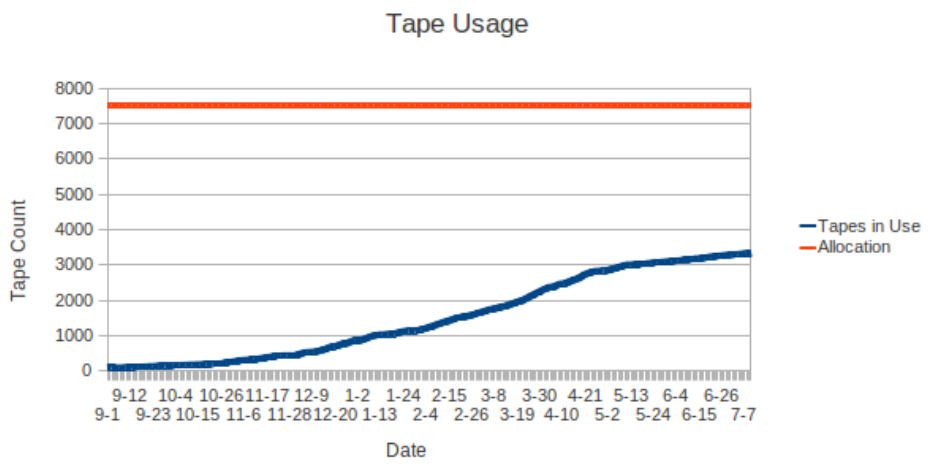
# HPSS Status

## Data on Tape



# HPSS Status

## Tapes in Use



# Zeus Status

Daily Utilization Rates:

| 6/26 | 6/27 | 6/28 | 6/29 | 6/30 | 7/1 | 7/2 | 7/3 | 7/4 | 7/5 | 7/6 | 7/7 | 7/8 | 7/9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 94.3 | 98.4 | 98.9 | 107.3 | 96.1 | 73.2 | 56.9 | 80.5 | 81.0 | 79.5 | 71.9 | 97.9 | 95.3 | 95.9 |

** Utilization Rates based on 2304 nodes

# Zeus Stats (project)

| Project | JobCount | HoursUsed | PCT |
|---|---|---|---|
| cmp | 10419 | 2001040.0 | 21.5 |
| ada | 40577 | 1342290.0 | 14.4 |
| gfdloceans | 8271 | 1270500.0 | 13.7 |
| gm | 27392 | 1253770.0 | 13.5 |
| gefs | 19692 | 412820.0 | 4.4 |
| wrfruc | 47758 | 305710.0 | 3.3 |
| futextrm | 40 | 298664.5 | 3.2 |
| rtfim | 9392 | 254530.0 | 2.7 |
| rcc21 | 2241 | 240398.3 | 2.6 |
| rm | 59334 | 194410.0 | 2.1 |
| nrtrr | 108072 | 150150.0 | 1.6 |
| cfsstrat | 1186 | 71910.0 | 0.8 |

- Totaljobs: 451196
- Totalhours: 8142565.5
- Max Hours: 9289728.0
- Utilization: 87.7

# Upcoming Events

- Power work at Fairmont TBD
  - NO Effect on Zeus and HPSS
- Subsequent power work TBD
  - NO Effect on Zeus and HPSS

# Specifying Memory Usage for Serial Jobs

- The original documentation was wrong
- The correct option to use is vmem. Ex:

**-lvmem=4G**

- For full details, please see:

https://nesccdocs.rdhpcs.noaa.gov/wiki/index.php/Running_and_Monitoring_Jobs#Submitting_a_serial_job

# Outstanding Issues

- Details of issues and current status can be found at:
  - https://nesccdocs.rdhpcs.noaa.gov/wiki/index.php/Known_Issues
  - We'll take a look at this site...

# Any Questions?