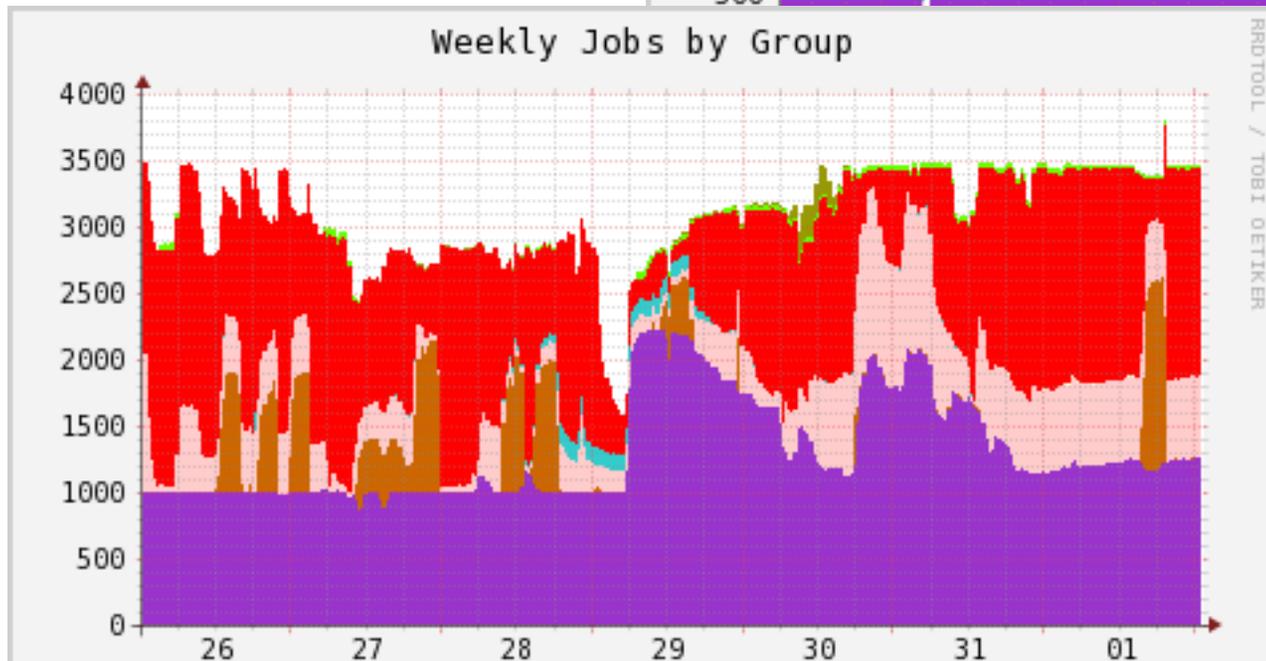
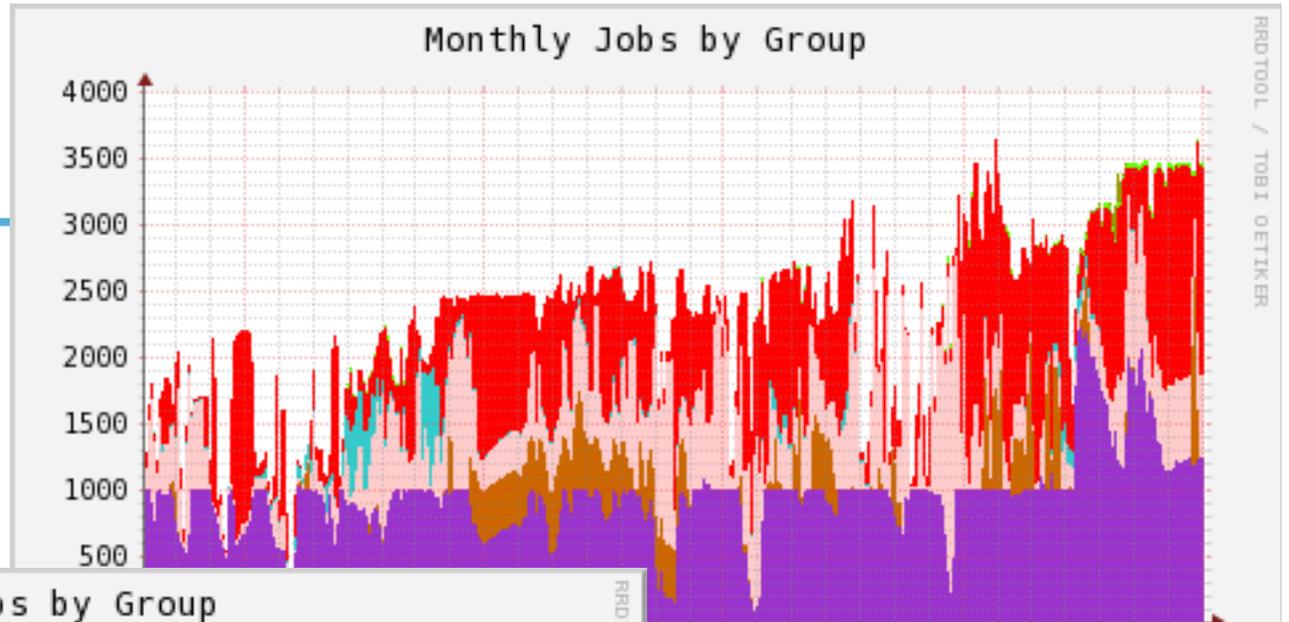


PDSF User Meeting

November 3, 2015

Lisa Gerhardt

Utilization



Generated 11/02/2015 00:10:03

alice	378 (avg 274)	dayabay	613
atlas	21 (avg 24)	majorana	1 (avg 54)
captain	1	captain	1 (avg 33)

Generated 11/02/2015 00:05:03

alice	1258 (avg 1306)	atlas	13 (avg 288)	dayabay	616
deepsrch	1 (avg 3)	majorana	1 (avg 44)		
star	1561 (avg 1155)	lux	21 (avg 28)	captain	2
lz	1				(avg 33)



Past Outages



- None

Planned Outages

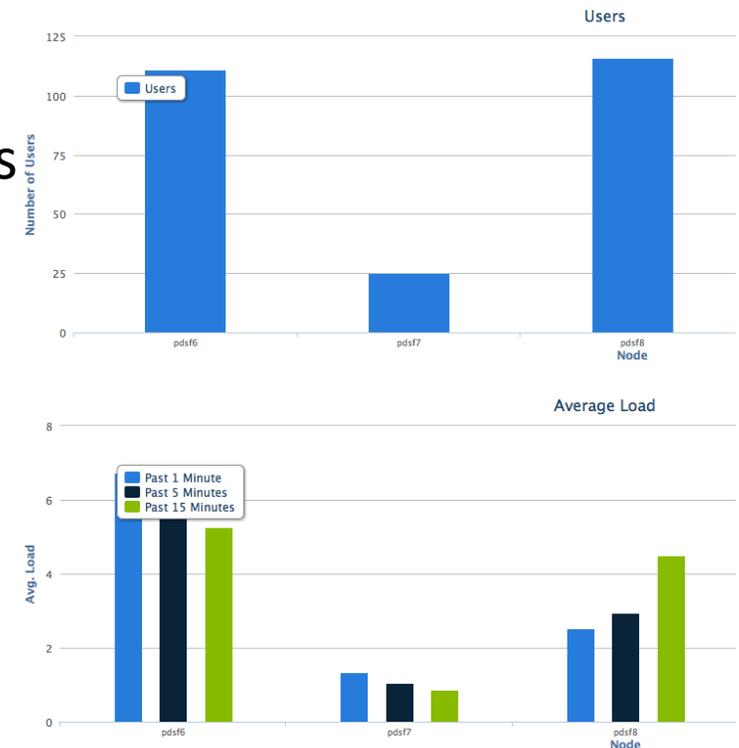


- **Today, 1 – 2 pm: load balancer switch may terminate connections to PDSF (even NX and screen connections).**

Changes to Login Nodes



- **Three interactive nodes accessed via pdsf.nersc.gov**
- **Load balancer that tried to place users on nodes they had used in the past**
 - Tended to result in pile ups of users
- **New scheme will put users on node with least number of connections**
 - Hopefully should spread out load a little better and improve performance
- **Will also be adding a fourth login node shortly**



Several PDSF Nodes Moved to CRT



- **About 300 cores work of computes have been moved to the new NERSC site in the CRT building**
 - Needed to form the core for the new procurement
- **About 30 newly purchased nodes are also running**
- **Brings number of available cores to ~3000**
 - Jobs that connect to project / projecta may see reduced efficiency

NERSC moves that may effect you



- **Project, projecta, and global homes will not have an outage, only a short period of reduced performance when the data is synced to the new hardware at CRT**
 - projecta: 11/9 - 11/11
 - project: 11/24 - 12/2
 - /global/homes, /global/common: 12/14 - 12/16
- **Edison will be offline for 6 weeks in late November – early December**
- **HPSS will stay at NERSC connected through 400 Gb/s link**

Topics from the Users

