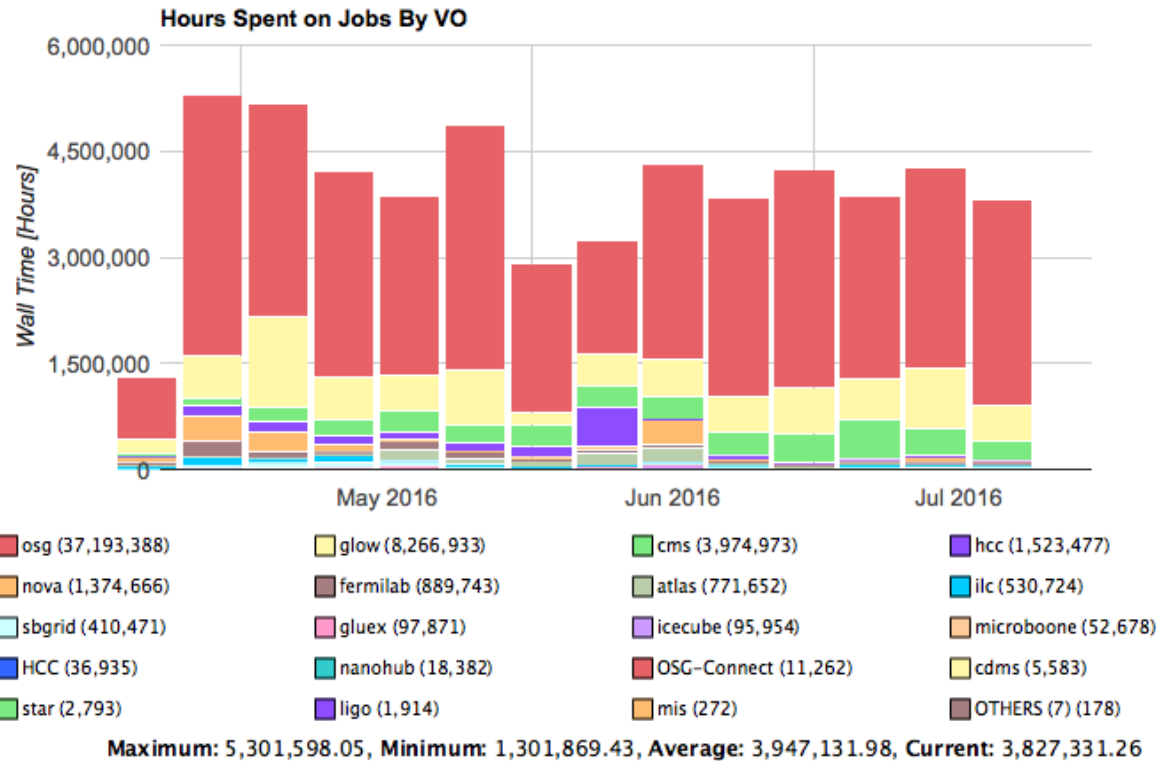




Open Science Grid

Production Support Report

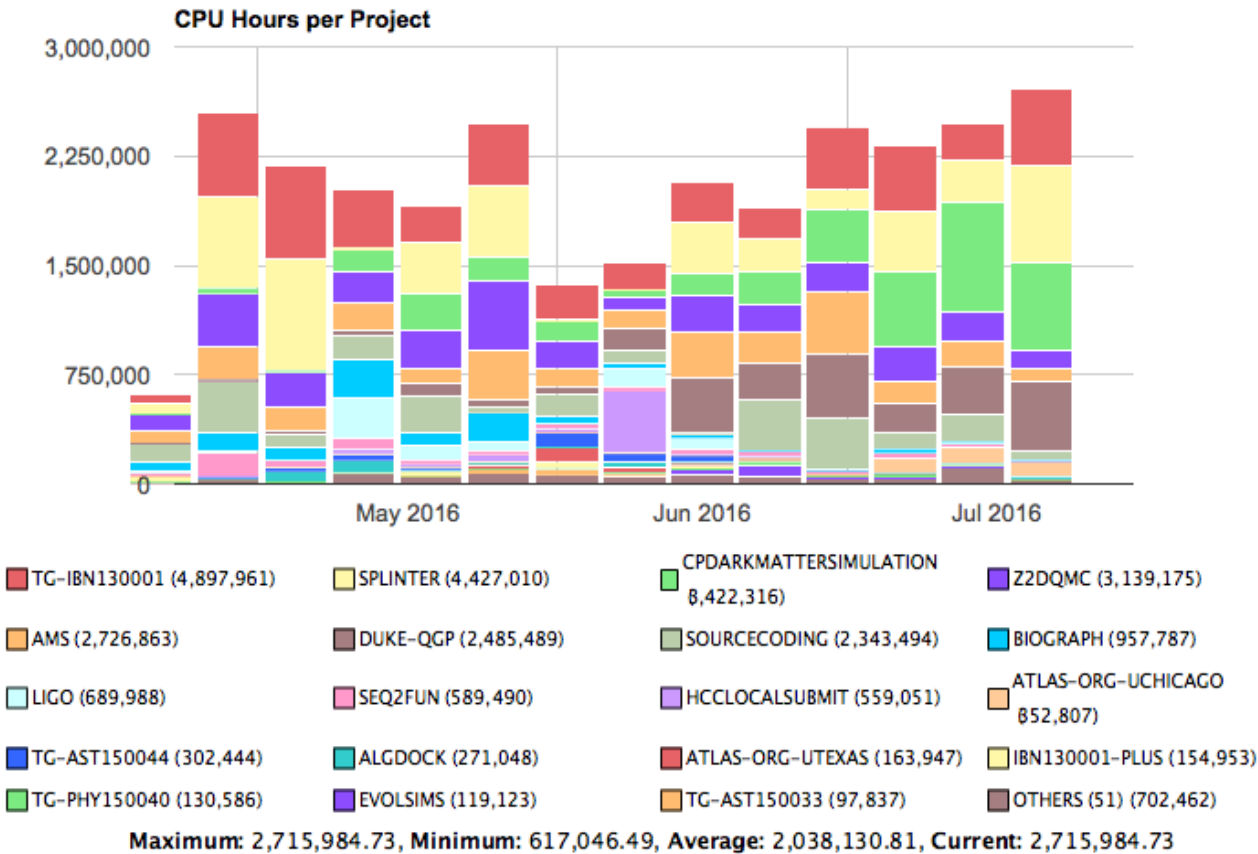
Ken Herner and Bo Jayatilaka
27 July 2016



- 58M hours (compare to 67M from prior 3 months)
- Total “volume” of OSG sites steady at ~23M hours/week



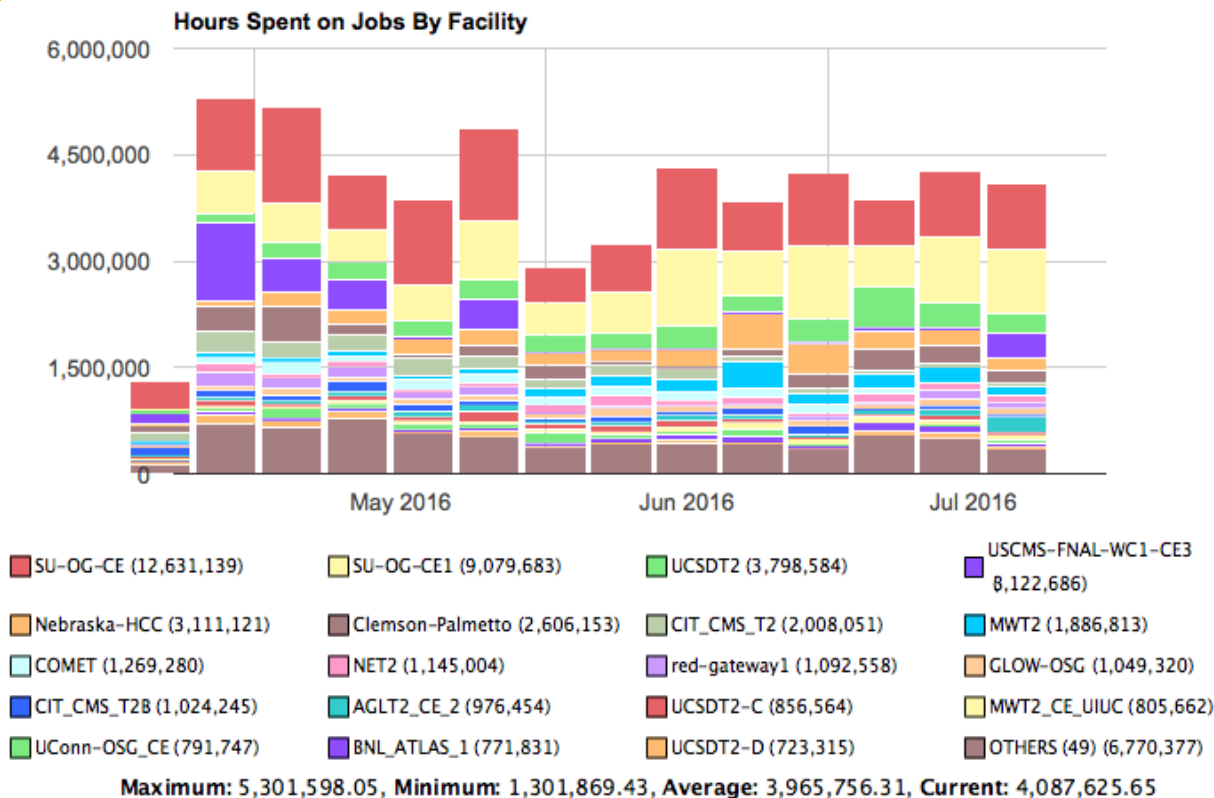
OSG VO at the project level



- Large experiments are present: CMS (3.4M hours), AMS (2.7M hours), and LIGO (0.7M hours)
- Accounting challenge: may of the CMS jobs are running on CMS pilots



Top opportunistic sites



- Syracuse continues to dominate
- 3 out of top 5 non-LHC sites (SU, HCC, Clemson)
- Note that Comet is now separate from UCSD



HPC

- Not much new since last AC presentation
- MINOS finally added Fermilab pilot DN to their institutional allocation for Stampede
 - Can proceed to testing with pilots
- Still running into authentication issues for CMS (CRL related?)
 - Lapse while key people were on vacation, resuming now
- Opportunistic running on Comet continues
 - still not yet with allocations
- Progress reported on XSEDE/OSG ticketing system, reported in Production meeting last week



GPUs

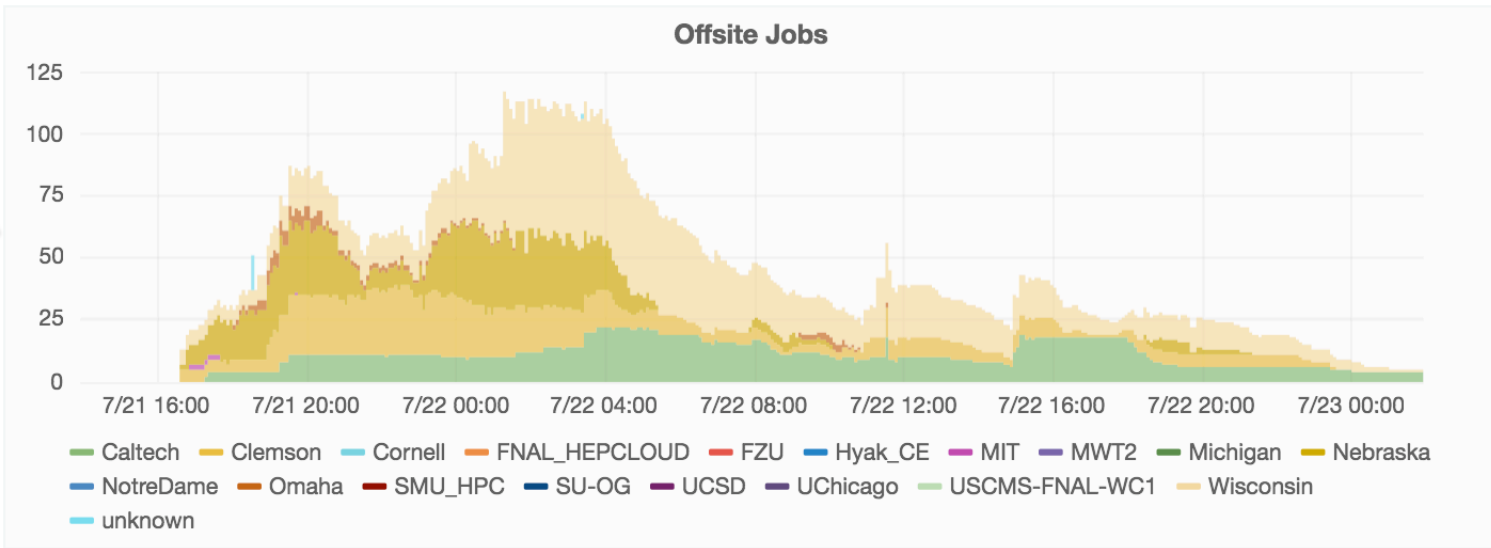
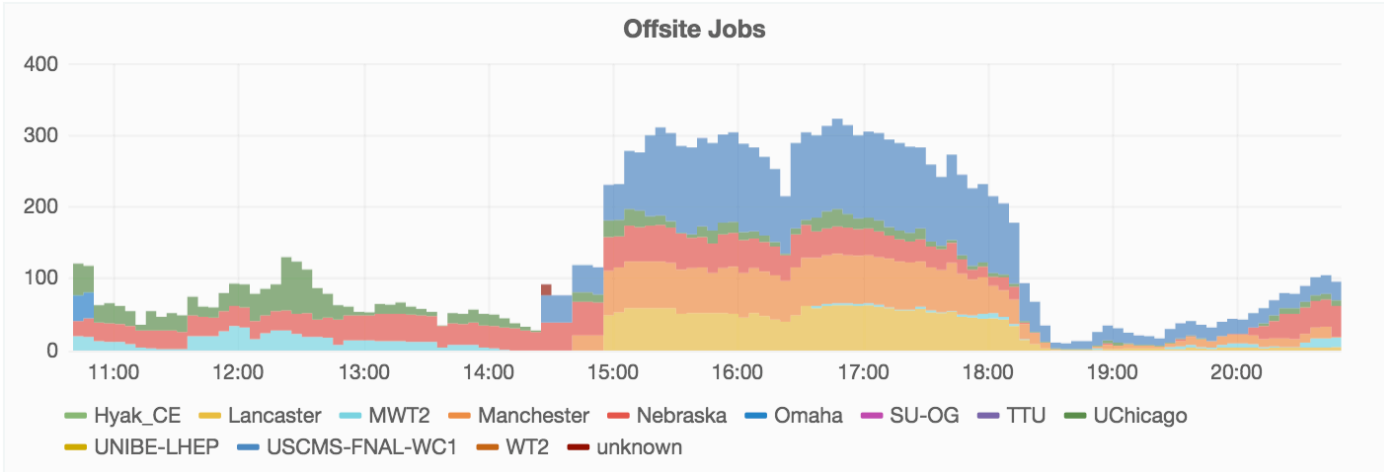
- Tusker (HCC) has nodes with GPUs on OSG
 - accessible via dedicated factory entry
- Currently in use by IceCube (GLOW) and OSG VOs
- Would like to make this an option for all VOs that want to use GPUs opportunistically
 - Using OSG VO configuration as template
 - Enabled Fermilab VO last week to use this entry
 - Several experiments getting very interested in testing; want to get working before the end of summer
- Would like to encourage communities who want to use GPUs to try this approach (e.g., SBGrid)
- We should also express openness to sites that are willing to share GPUs
 - e.g., new BNL institutional cluster (non-ATLAS) with ~200 GPUs



FIFE Updates

- EGI sites
(Manchester, Lancaster) working well for uboone

DES-GW sent some 4-CPU 3000 MB RAM jobs last week; peaked around 110 such jobs running outside of FNAL





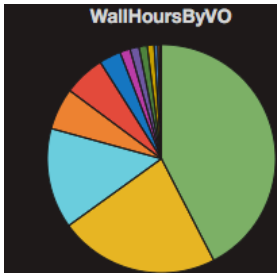
FIFE Updates (2)

- Trying to get NOvA running again at OSC: <https://ticket.opensciencegrid.org/30192>
 - Last piece is a change to FIFE frontend
- NOvA testing StashCache over CVMFS (requires CVMFS 2.2)
 - Focusing on FZU (Prague) in the short term
 - Seeing quite a few sites that report the Stash repos as available, but only have CVMFS 2.1.x. Should we start a push to get sites to upgrade faster?



Monitoring/GRACC

- Good progress on GRACC
- Check out gracc.opensciencegrid.org
- Kevin will give a more detailed overview today



osg	4288517
GLOW	2287670
fermilab	1436956
Duke-Connect	597488
OSG-Connect	590048
ATLAS-Connect	311429
cms	146765
icecube	130604
dune	118722
des	97430
SBBGrid	52409
cdf	33963
ligo	16477
atlas	315
UChicago-Connect	299
bitp	120

