

NuComp News

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October 19, 2011

Outline

- ▶ Maintenance day stuff
- ▶ IF Computing Resource Summary
- ▶ A closer look at GP Grid usage

Maintenance Day: Tomorrow 10/20

- ▶ Memory upgrades for GPWN003–7
 - ▶ These nodes will be out of the GPSN01 pool during the work.
 - ▶ Should be transparent to users.
- ▶ FermiGrid expects to do a VDT upgrade on Grid gatekeepers.
 - ▶ Running jobs won't be disturbed due to this work.
 - ▶ New job submissions may be delayed a few minutes.

Maintenance Day Next Month

Thursday 11/17

- ▶ 5–8AM: /afs software will be upgraded
 - Needed to accommodate compound principals (kcron)
 - Not well tested due to lack of good test platform. Roll back if it does not work.
- ▶ 8AM–NOON: IF/GPCF/MINOS/MB reboots (pending confirmation of new kernel).

SLF4 EoL

- ▶ SLF4 will no longer be supported after Feb. 12, 2012
- ▶ Running SLF 4 Node Report
URL: <http://fefweb.fnal.gov/slf4eol/>
- ▶ IF/GPCF/MINOS/MB NODES:
 - BooNE – 11 nodes
 - BooNE-LANL – 9 nodes
 - IF01-05; MNVNEARLINE1,2,D; MINERVA-OM; MINERVA05,20,21; MNVNEARLINEBCK2
 - MINOS-DB; MINOS25,26,27; MINOS-OFFLINE2,3; EVENT2; MINOSGPVM02
 - NOVADBDEV; NOVADBPROD

IFront Computing Resource Summary

» Central Storage
GP Grid Cluster

Disk Usage Trends (1 / 3)

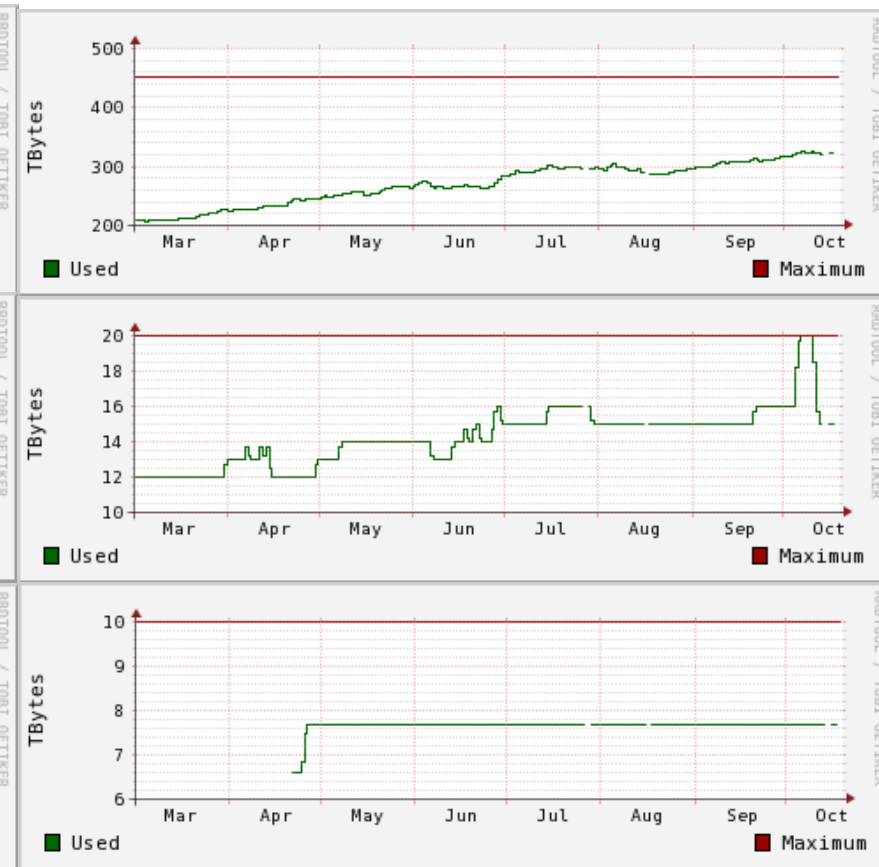
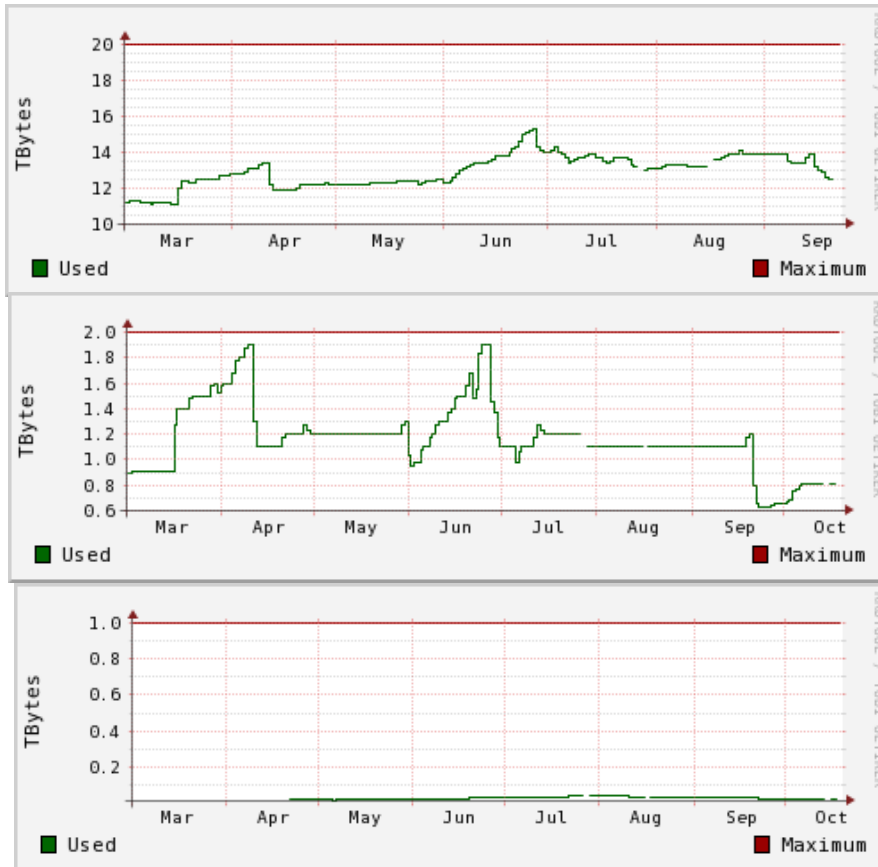
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/data

All

/argoneut

/gm2

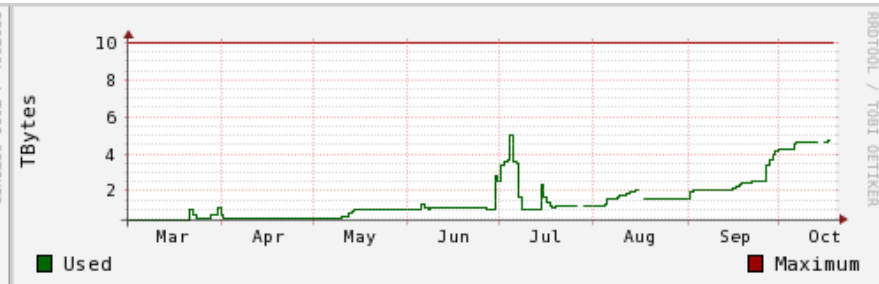
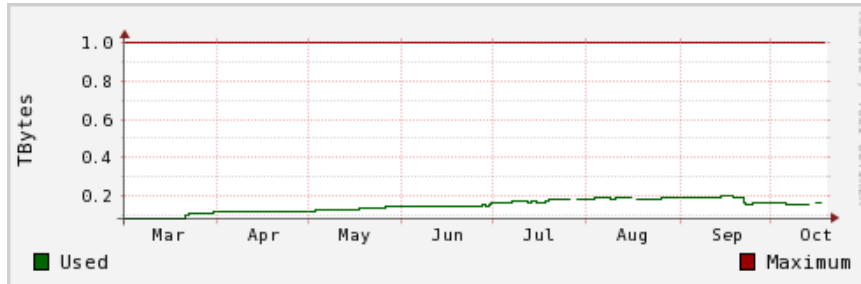


Disk Usage Trends (2 / 3)

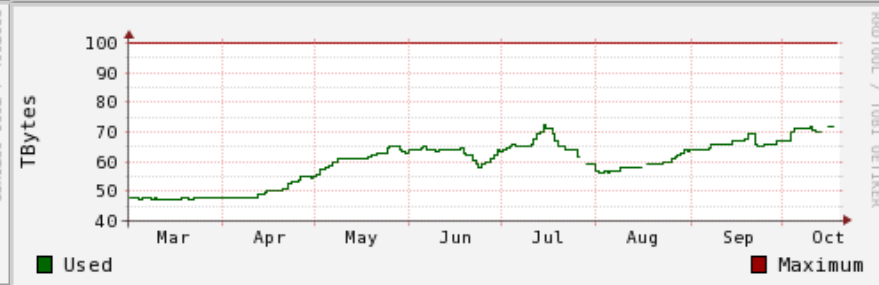
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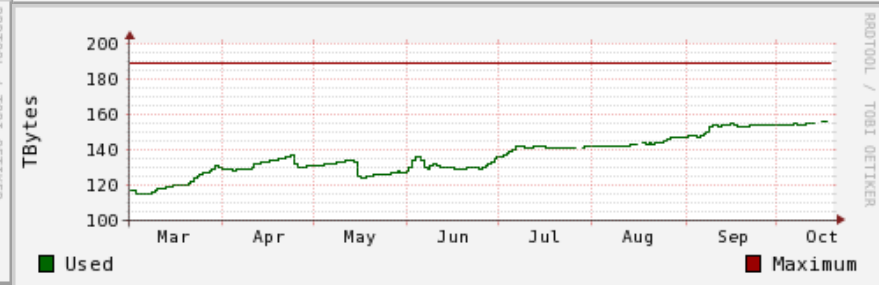
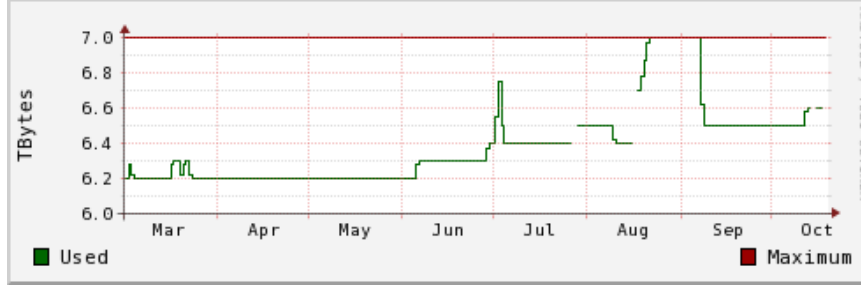
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/minerva



/minos

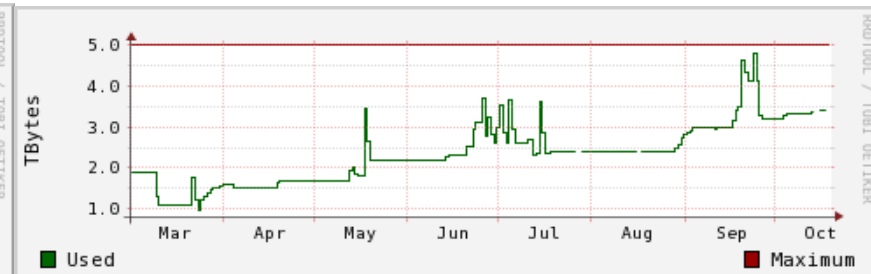
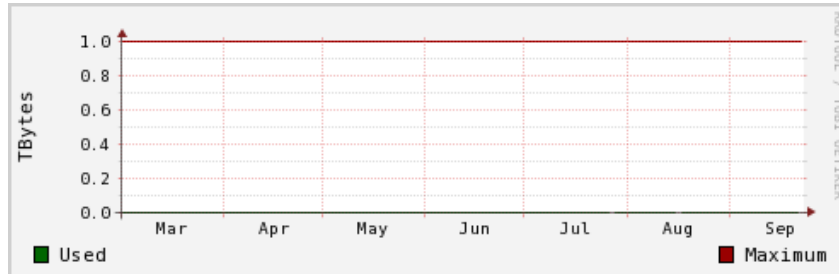


Disk Usage Trends (3 / 3)

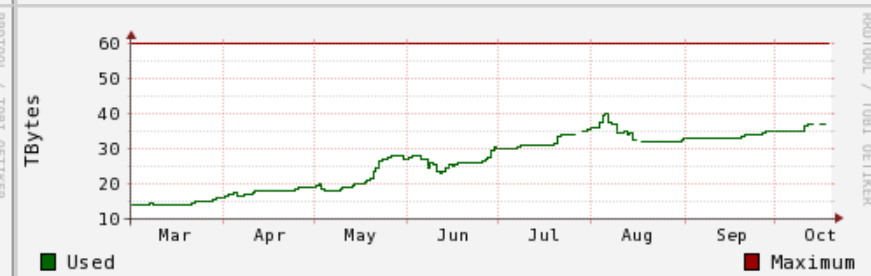
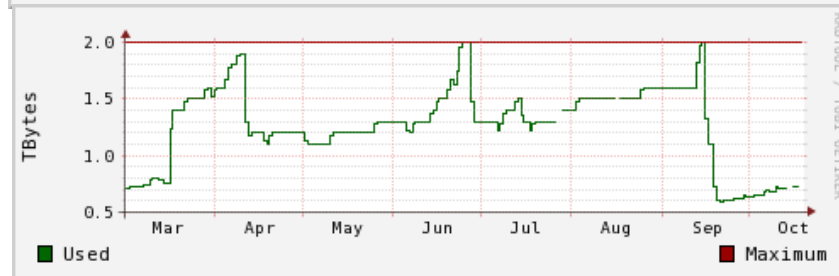
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/data

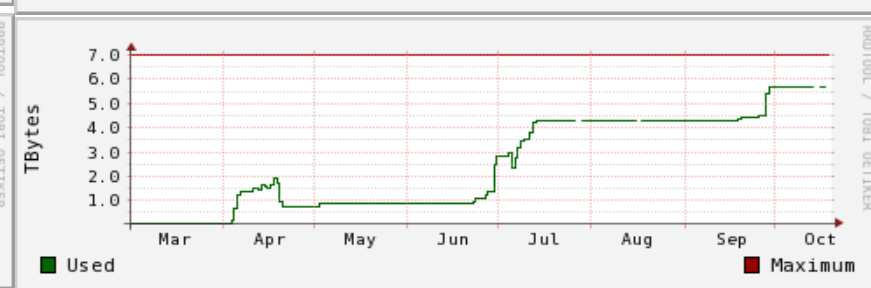
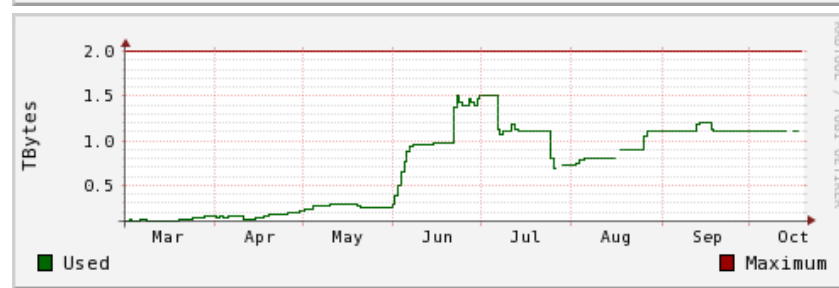
/mu2e



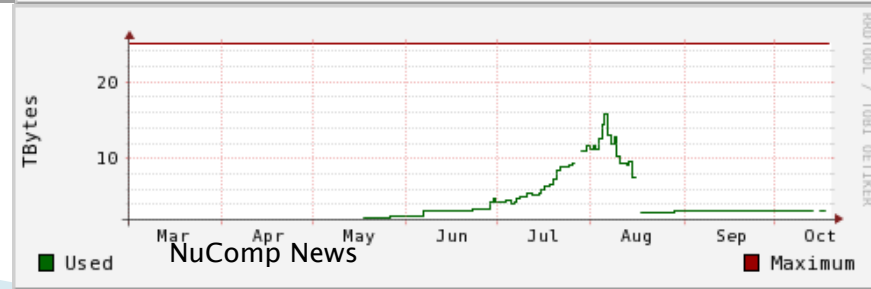
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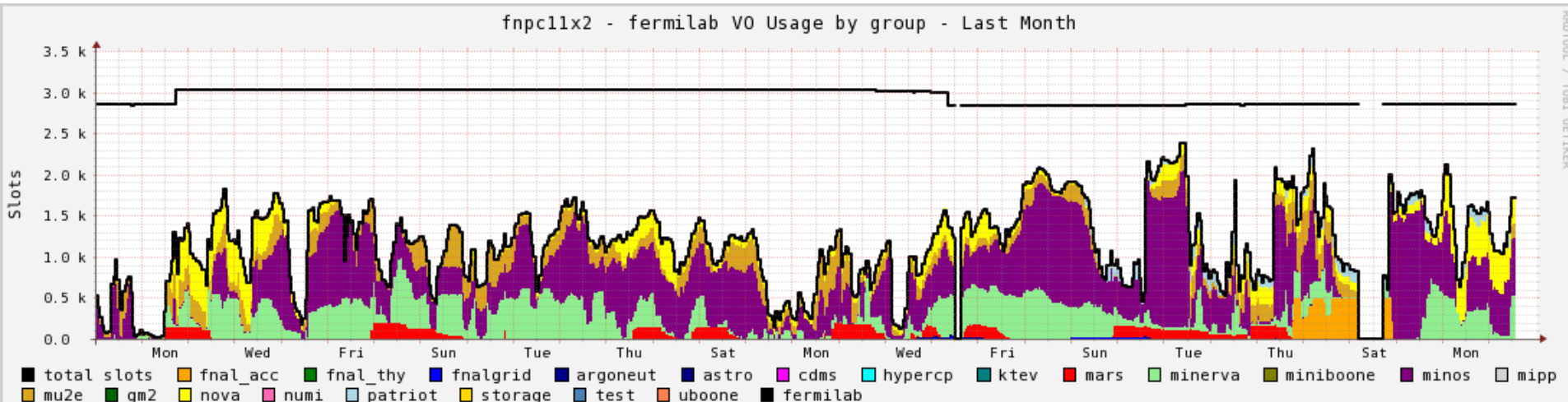
/microboone



/miniboone



GP Grid Cluster Use, Last Month



ROOT / TONI OETIKER

	Maximum	Average	Minimum	LastVal
total slots	3034	2950.52	2829	2857
fermilab	2384	1149.75	0	1716
fml_acc	500	23.18	0	0
fml_thy	0	0.00	0	0
fmlgrid	27	1.45	0	0
argoneut	28	1.92	0	1
astro	0	0.00	0	0
cdms	0	0.00	0	0
hypercp	0	0.00	0	0
ktey	0	0.00	0	0
mars	198	45.01	0	0
minerva	810	238.79	0	528
miniboone	0	0.00	0	0
minos	1897	537.57	0	697
mipp	0	0.00	0	0
mu2e	500	140.99	0	185
gm2	0	0.00	0	0
nova	591	139.48	0	306
numi	0	0.00	0	0
patriot	204	23.27	0	0
storage	0	0.00	0	0
test	0	0.00	0	0
uboone	0	0.00	0	0

Data for fnpc11x2 between 18-Sep-2011 and 18-Oct-2011

Plot generated at 18-Oct-2011 12:26:42 on fermigrid0.fnal.gov

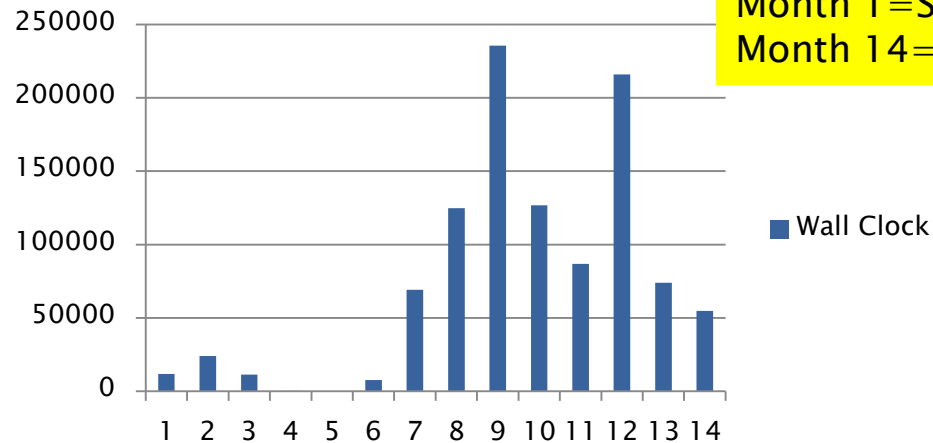
NuComp News

GP GRID Usage

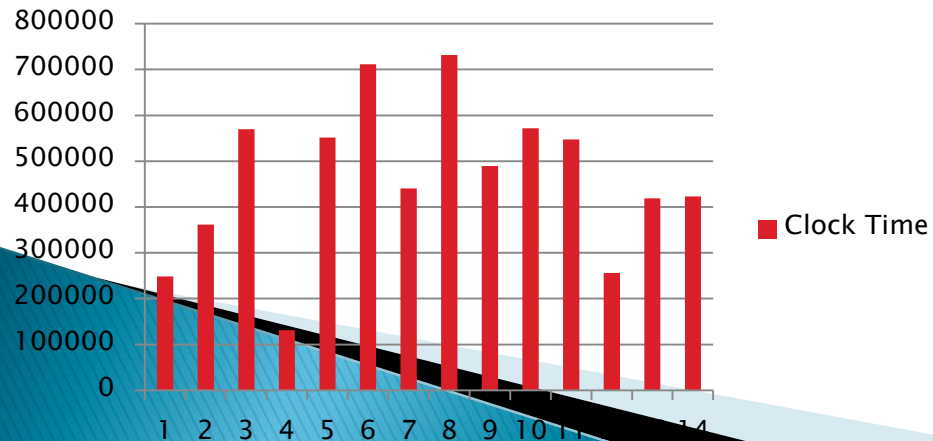
Monthly wall clock time (hrs)

NOvA: Wall Clock

Month 1=Sep. 2010
Month 14=Oct. 2011

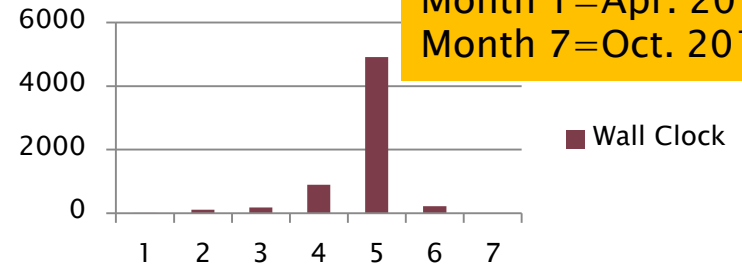


MINOS: Wall Clock

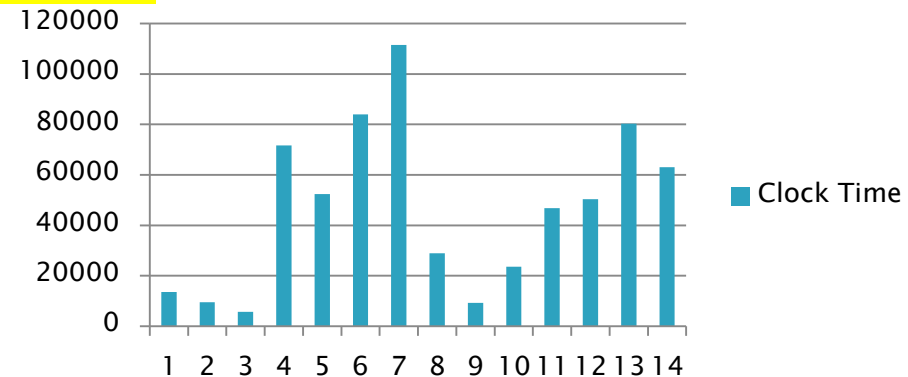


LBNE: Wall Clock

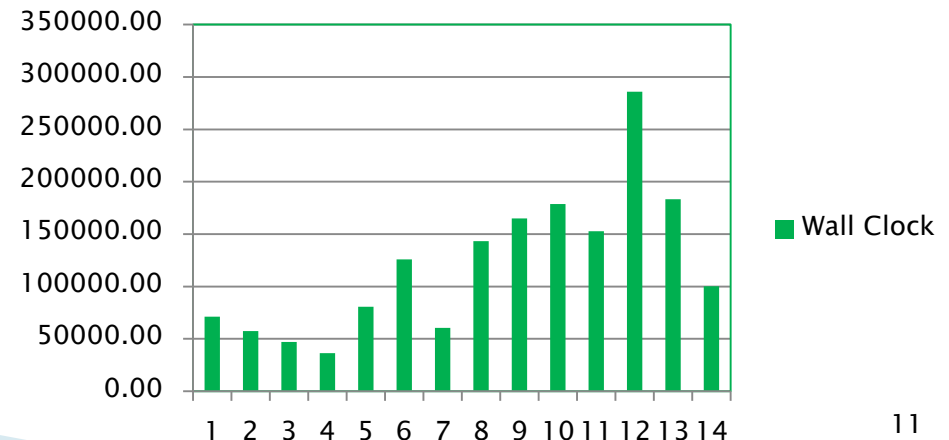
Month 1=Apr. 2011
Month 7=Oct. 2011



Mu2e: Wall Clock



MINERvA: Wall Clock



November & December NuComp

- » No Plans!
Let me know if there are
topics that need to be
discussed.

finish