

TIER2 – Monitoring

Shifters report 10.10.-17.10. 2007

Christian Sander

- SAM status
- ARDA dashbord
- PhEDEx transfers
- MC Production

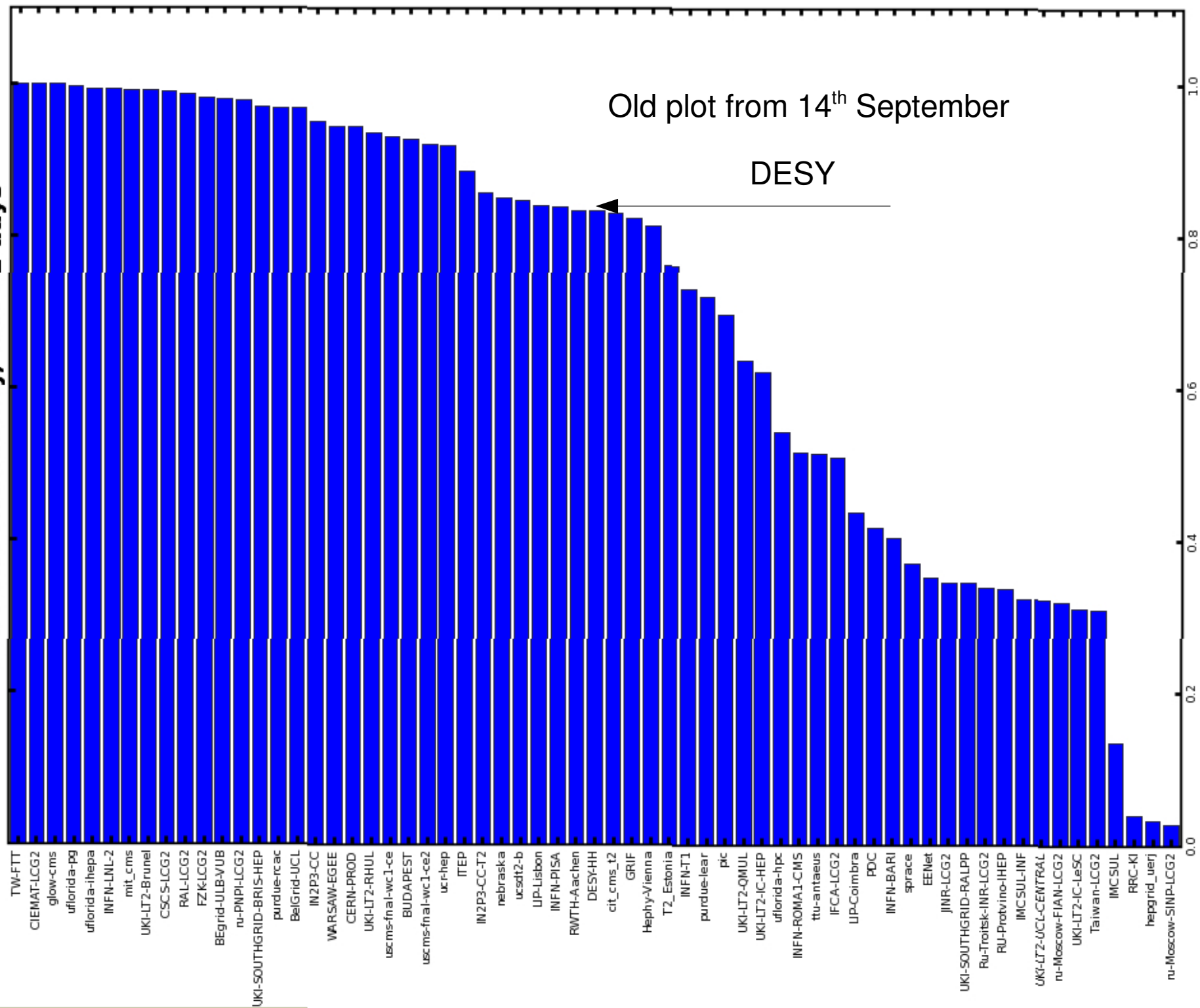
Service Availability Monitoring

- ce0 ... ce1 removed, ce3 status at:

<https://lcg-sam.cern.ch:8443/sam/sam.py?funct=ShowHistory&sensors=CE&vo=cms&nodename=grid-ce3.desy.de>

- **grid-ce3.desy.de: swinst warnings** due to missing CMSSW version 1_2_3 & 1_3_1 & 1_6_0 ...
but 1_4_6 ok → warning only
- Many services “na” (randomly distributed, status of ce still “ok” ... some days ago status was “warn”)
- Only 2 errors for mc: exited with status: 38656; ERROR: Exeption During Stage Out

SAM Site Availability, last 31 days



DESY-HH Dashboard

any user

DESY-HH (Hamburg, Germany)

any ce

any submissiontool

any dataset

any application

any rb

any activity

any grid

☐ unk ☐ pend ☐ run ☐ term

☐ done ☐ canc ☐ abort ☐ g-unk

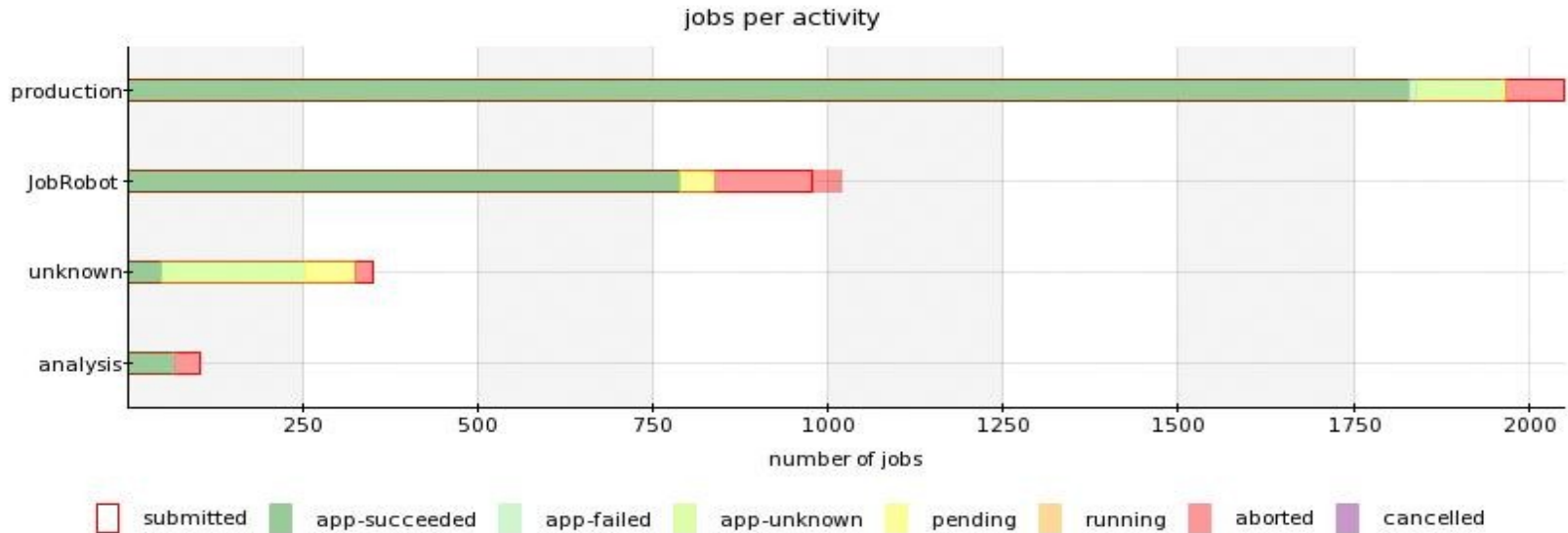
☐ succ ☐ fail ☐ a-unk

☐ donesuccess

2007-10-10 17:16:31 to 2007-10-16 17:16:31

sort by activity

☐ bars in the plot



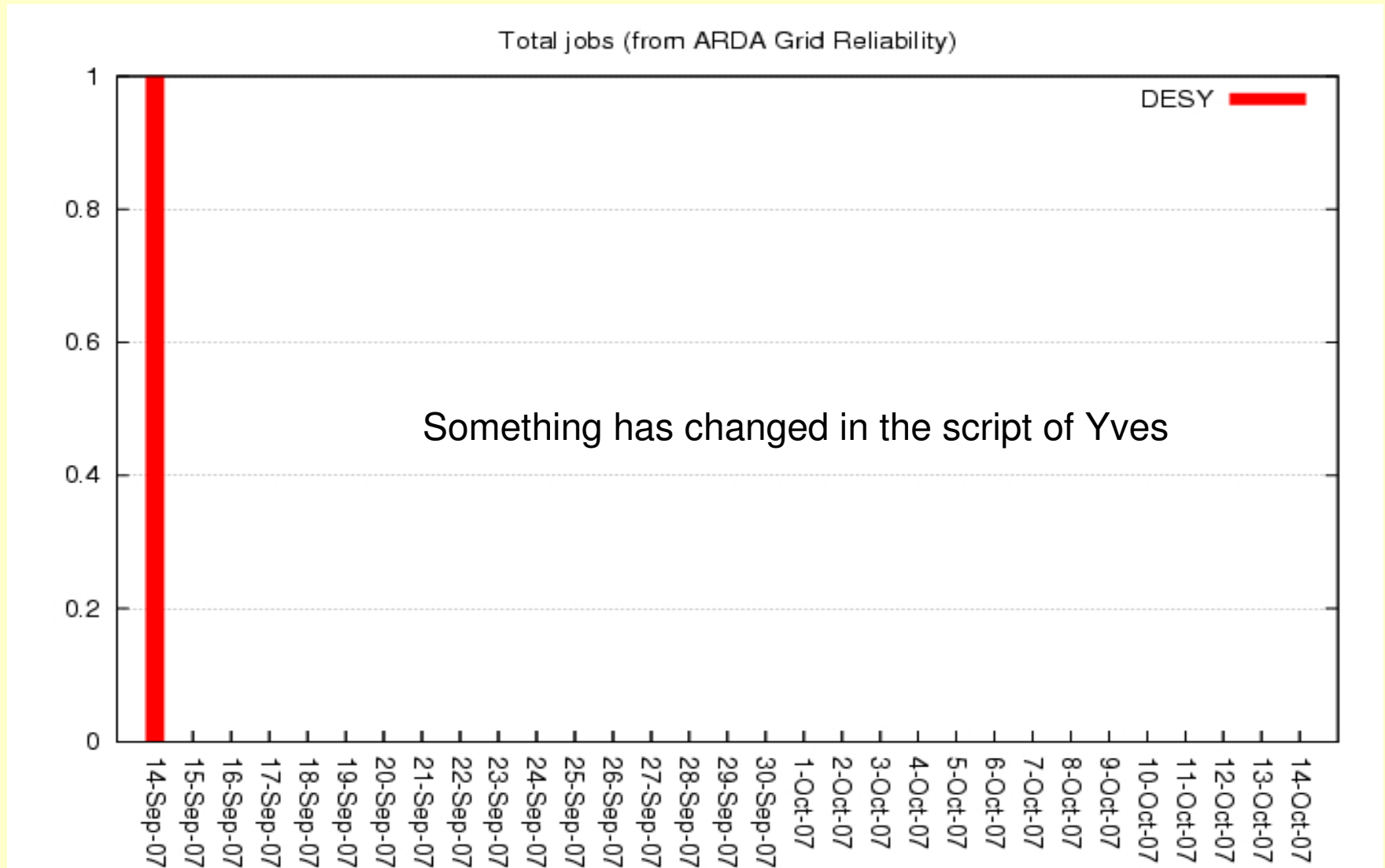
Application	#	Grid	Application				Overall	
		%	Success	Failed	Unknown	%	D/S	%
JobRobot	977	79.31	788	2	138	99.75	644	69.4
analysis	103	64.08	66	1	36	98.51	65	63.11
production	2052	95.55	1829	10	206	99.46	1686	82.44
unknown	351	91.37	48	0	230	100	33	11.87

17.10.2007

Dashboard - cont.

- JobRobot efficiency could be better (~70%)
 - No exit code for 138 jobs out of 788
 - Status ABORTED or DONE
 - IP sometimes unknown
 - Some starting times 1-1-1970 0:00
- Production efficiency good (> 80%)

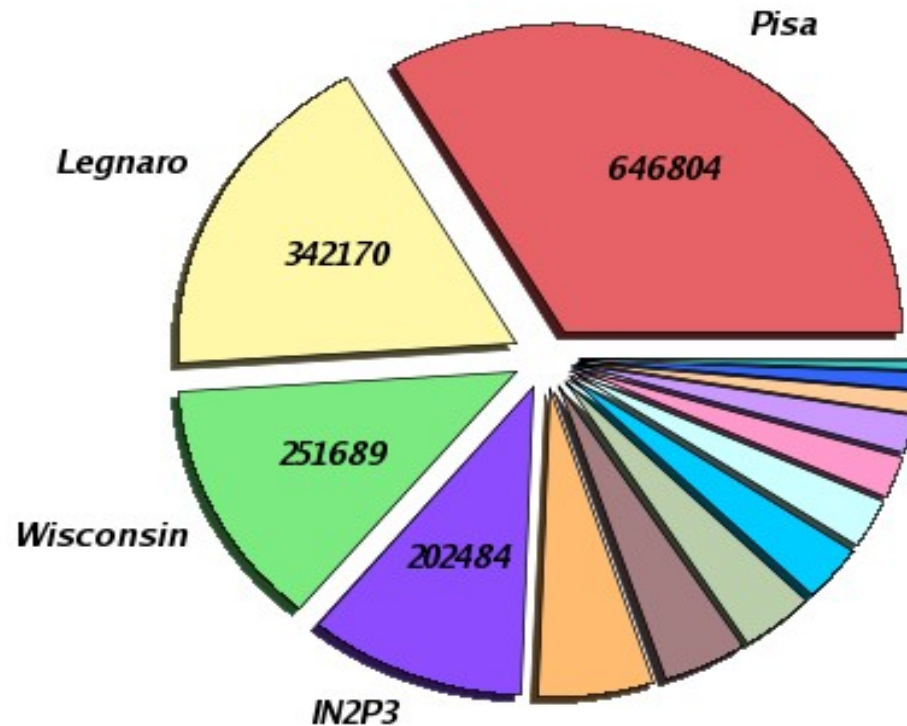
ARDA Grid Reliability



MC Production

ProdAgent Merge Events Written by Site (Sum: 1939658 Events)

48 Hours from 2007-10-14 15:51 to 2007-10-16 15:51 UTC



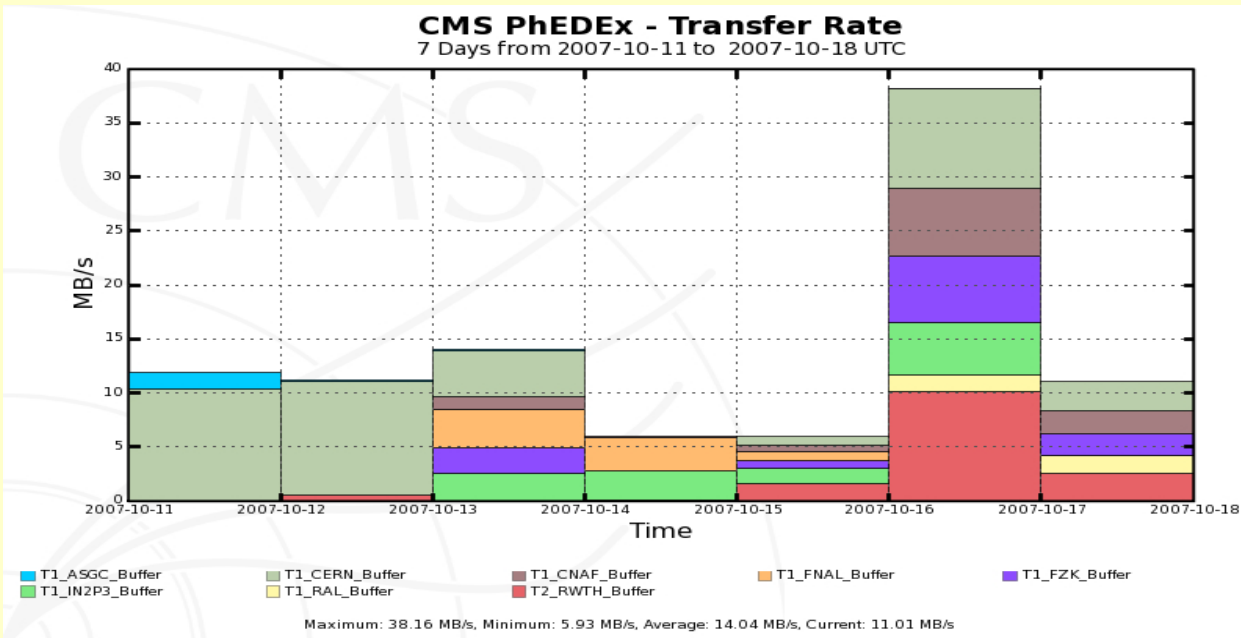
No MC production due to no jobs in last 48 h



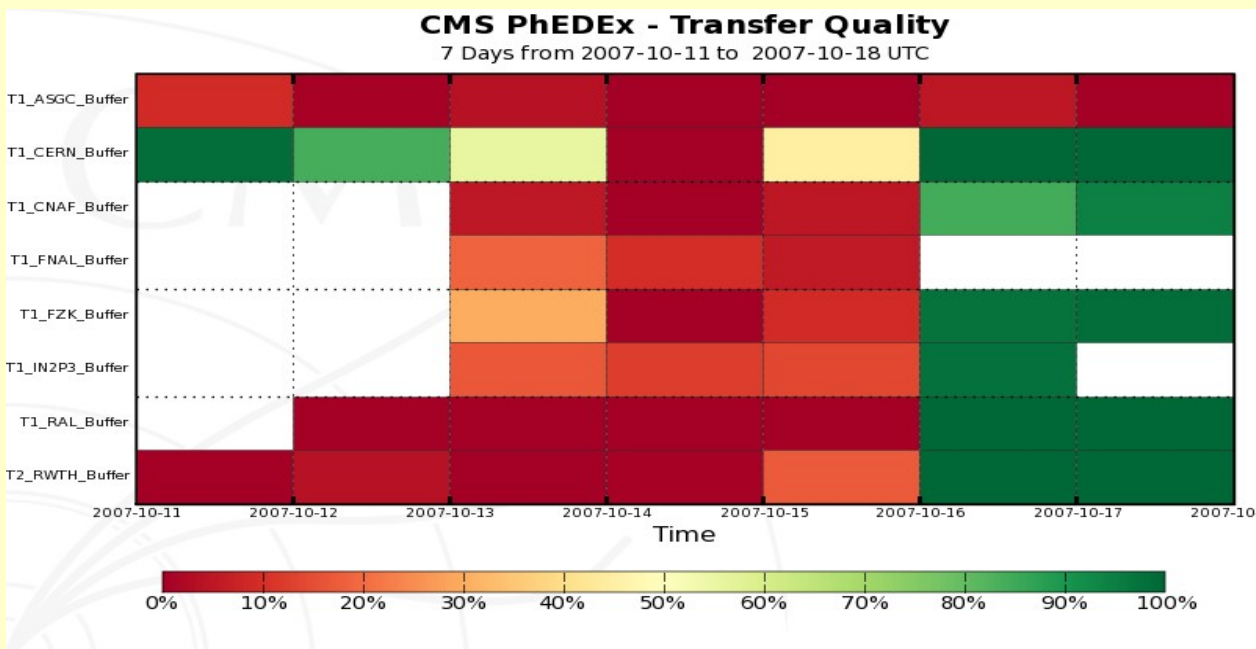
DES Y

Pisa (646804)	Legnaro (342170)	Wisconsin (251690)	IN2P3 (202484)	Florida (107845)
WARSAW (78204)	Caltech (67800)	London_JC_HEP (59600)	Belgium_UCL (50267)	T2_Belgium (43561)
Vienna (38746)	CSCS (21000)	Estonia (18300)	Bari (10183)	INFN (1004)

PhEDEx – Transfer to DESY (debug)

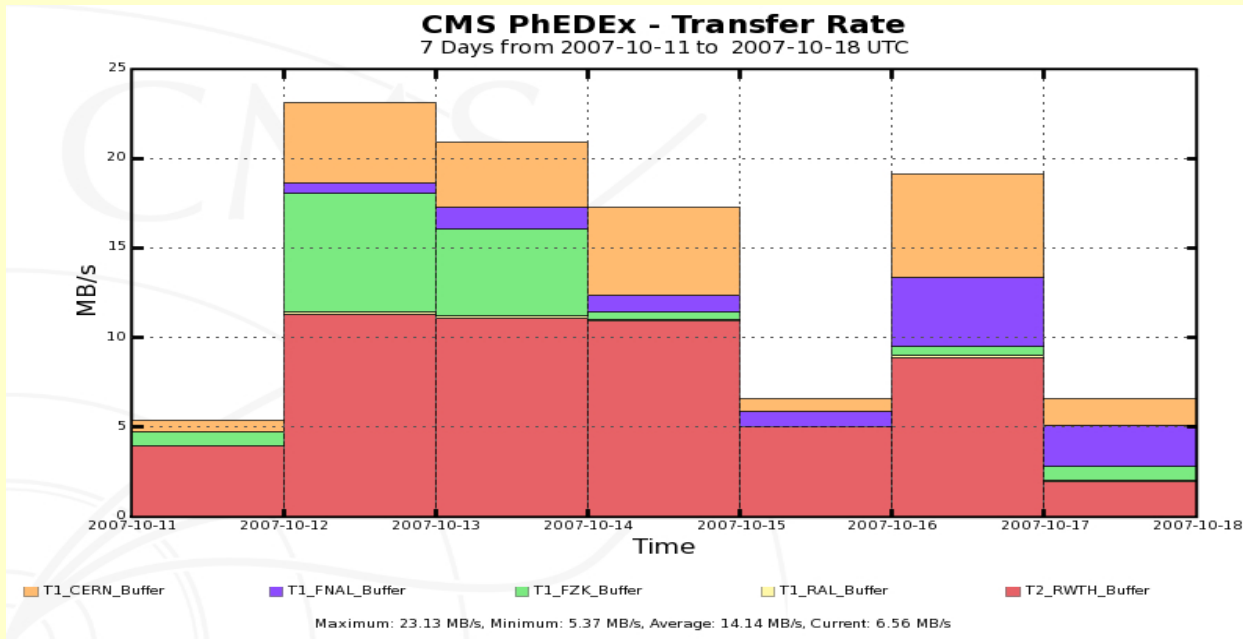


- Average transfer rate ~15 MB/s

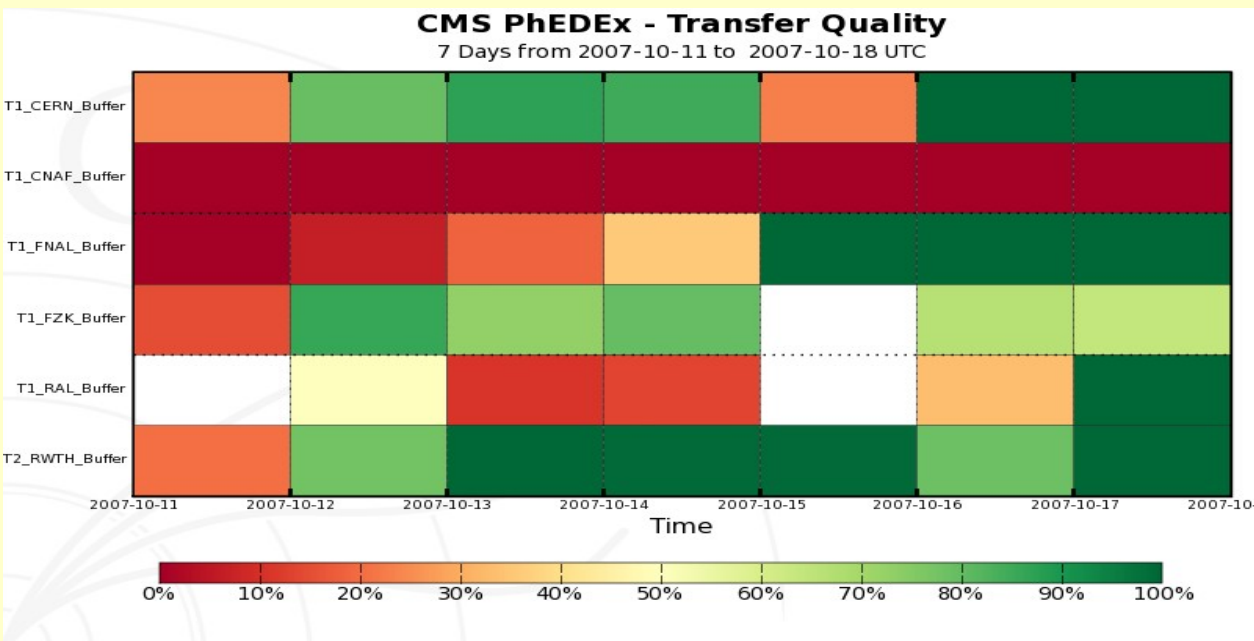


- Quality is good since two days (full pool was not cleaned up automatically)

PhEDEx – Transfers from DESY (debug)

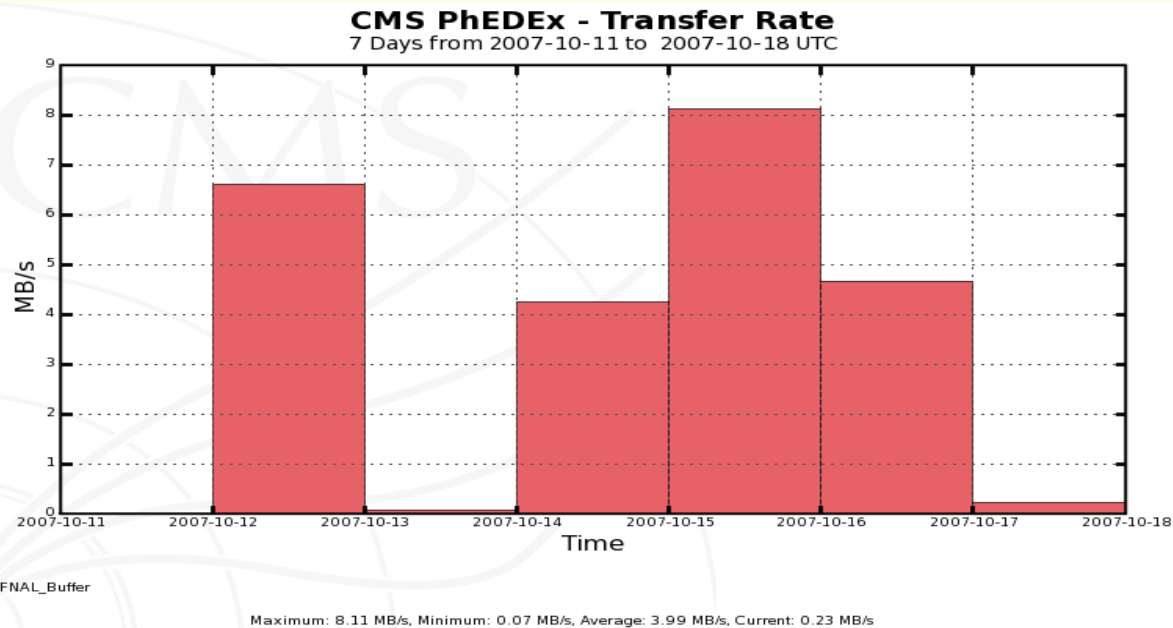


- Average transfer rate ~ 15 MB/s

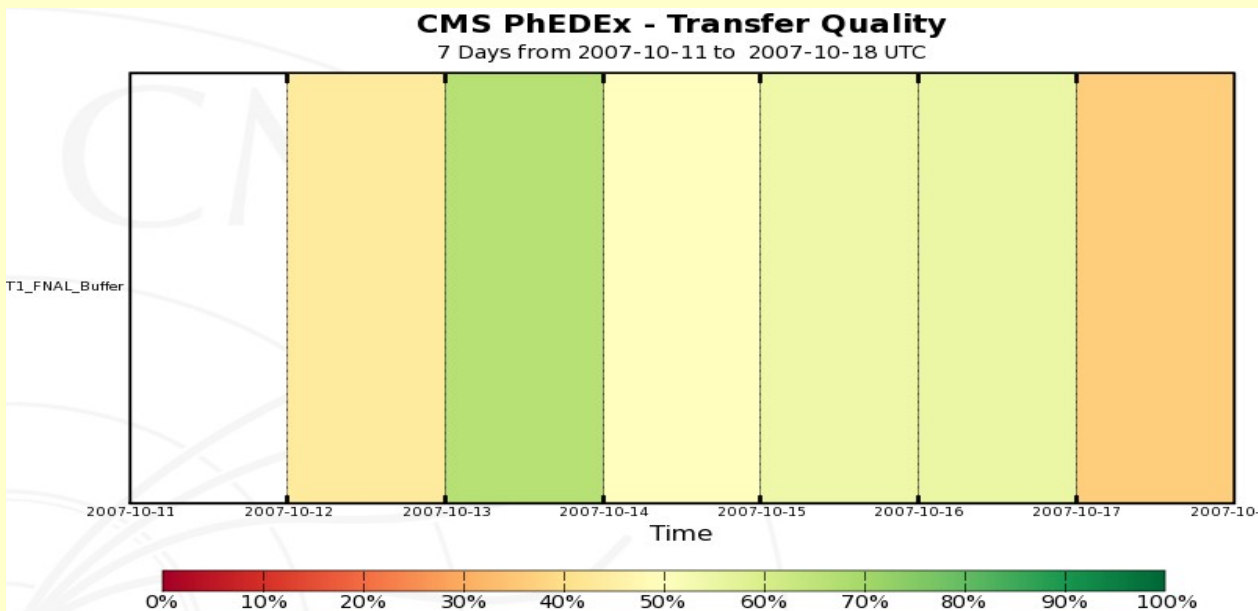


- Quality ... improved in last days

PhEDEx – Transfer to DESY (prod)

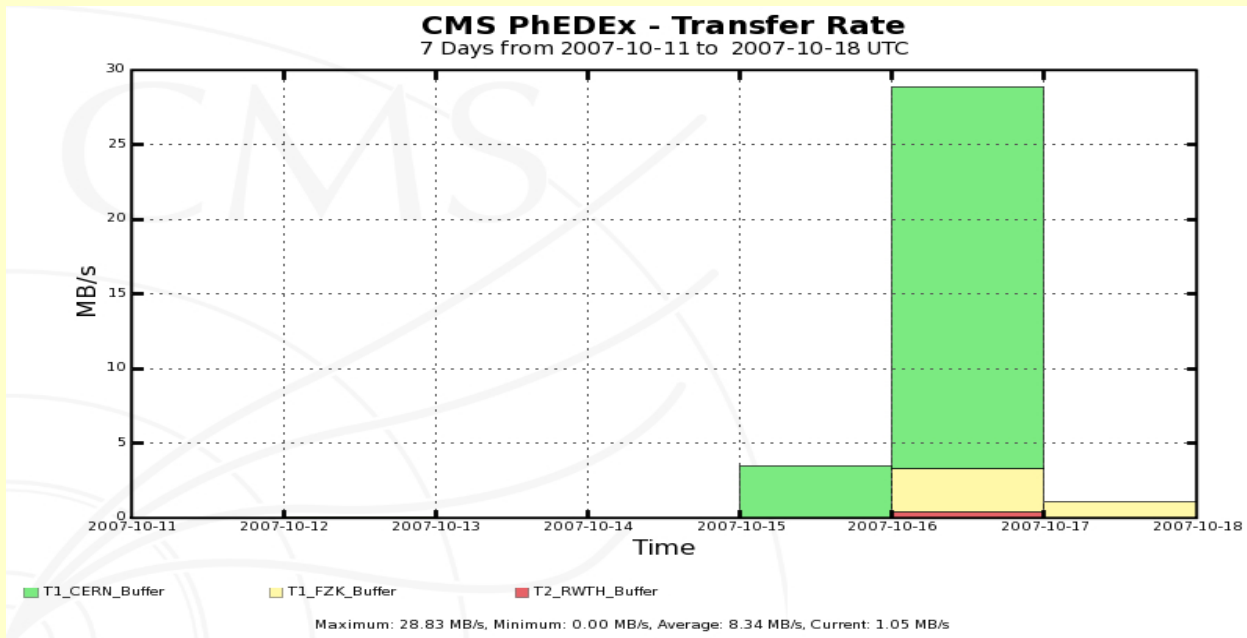


- Average transfer rate ~3 MB/s

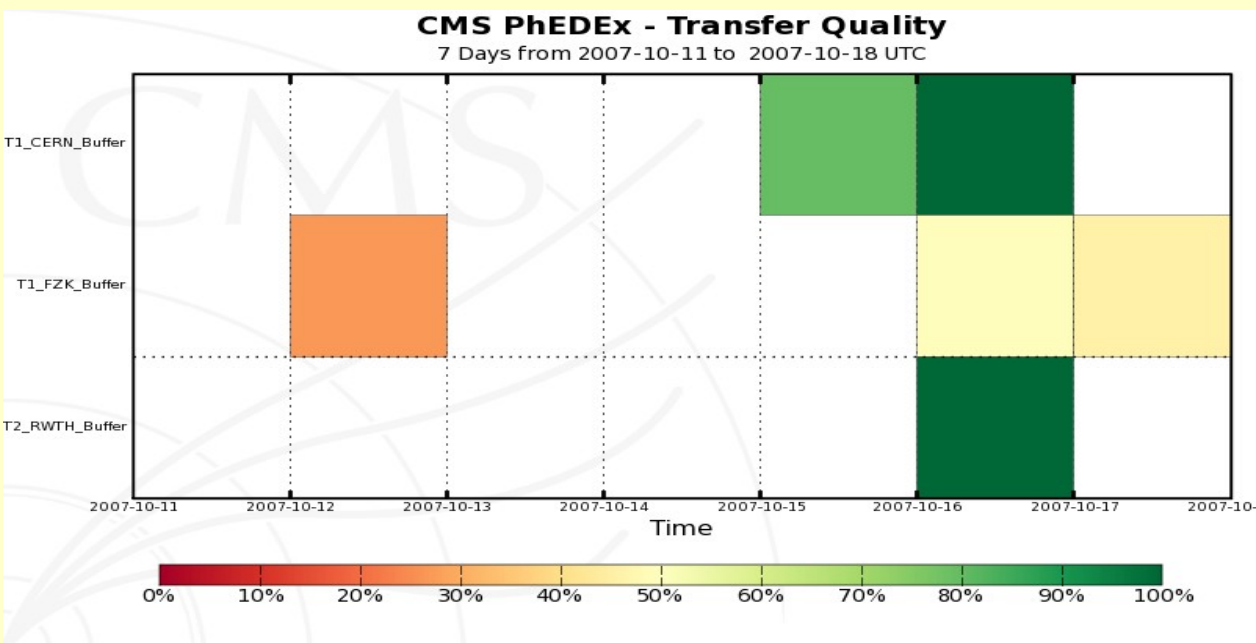


- Quality is ... around 50%

PhEDEx – Transfers from DESY (prod)



- Average transfer rate ~ 6 MB/s
- Peak performance much better (~30 MB/s)



- Quality is ok!