

TIER2 – Monitoring

Shifters report 12.09.-19.09. 2007

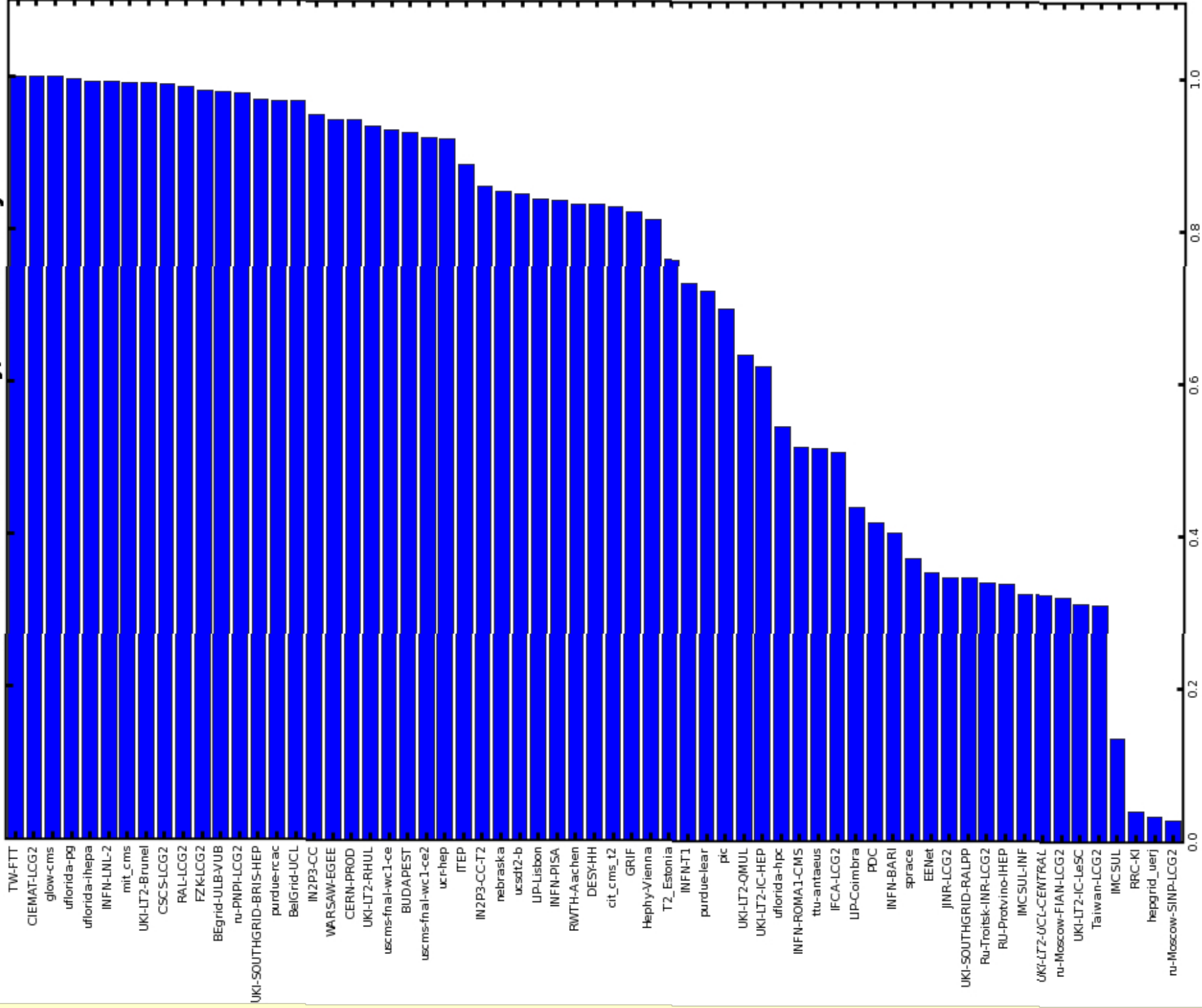
Christian Sander

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

Service Availability Monitoring

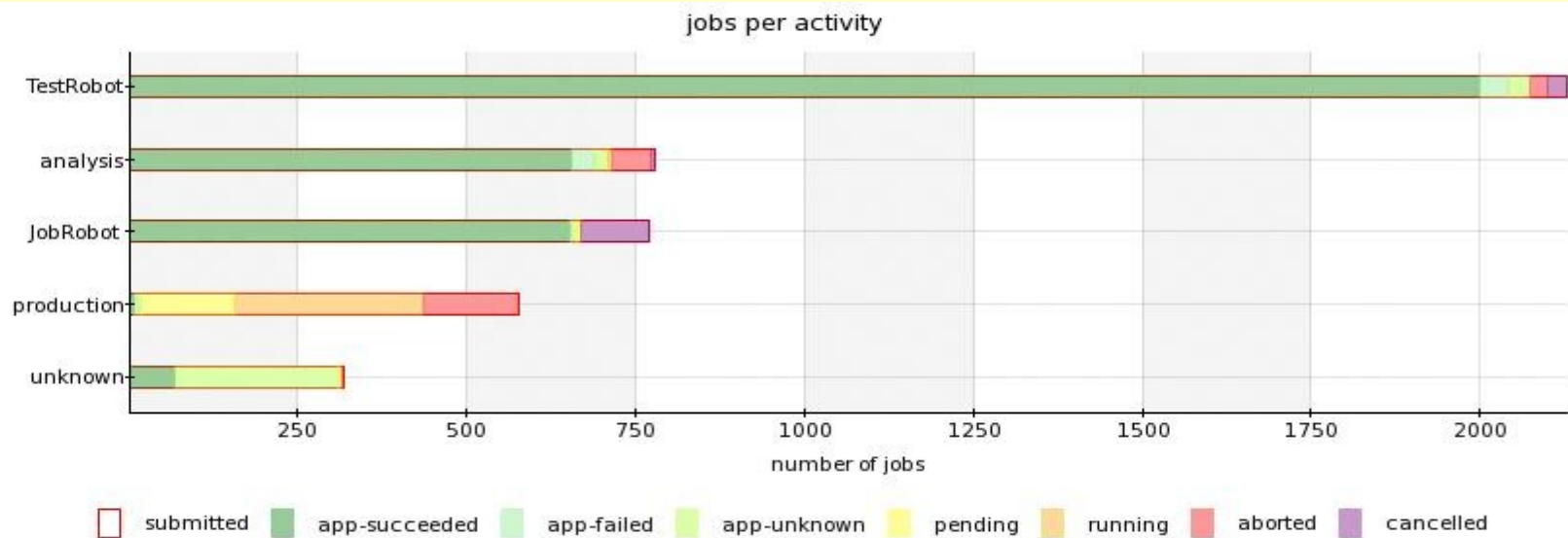
- <http://belforte.home.cern.ch/belforte/samsb/...>); use <https://lcg-sam.cern.ch/...> instead
- grid-ce0.desy.de: only one **job submission (js) error** by expired job proxy
- grid-ce1.desy.de: on maintenance (forever)
- grid-ce2.desy.de: only one **job submission (js) error** by expired job proxy
- grid-ce3.desy.de: **swinst error** due to missing CMSSW version 1_2_3 & 1_3_1

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
 2007-09-12 14:50:56 to
 2007-09-18 14:50:56
 sort by activity ▼
☐ bars in the plot

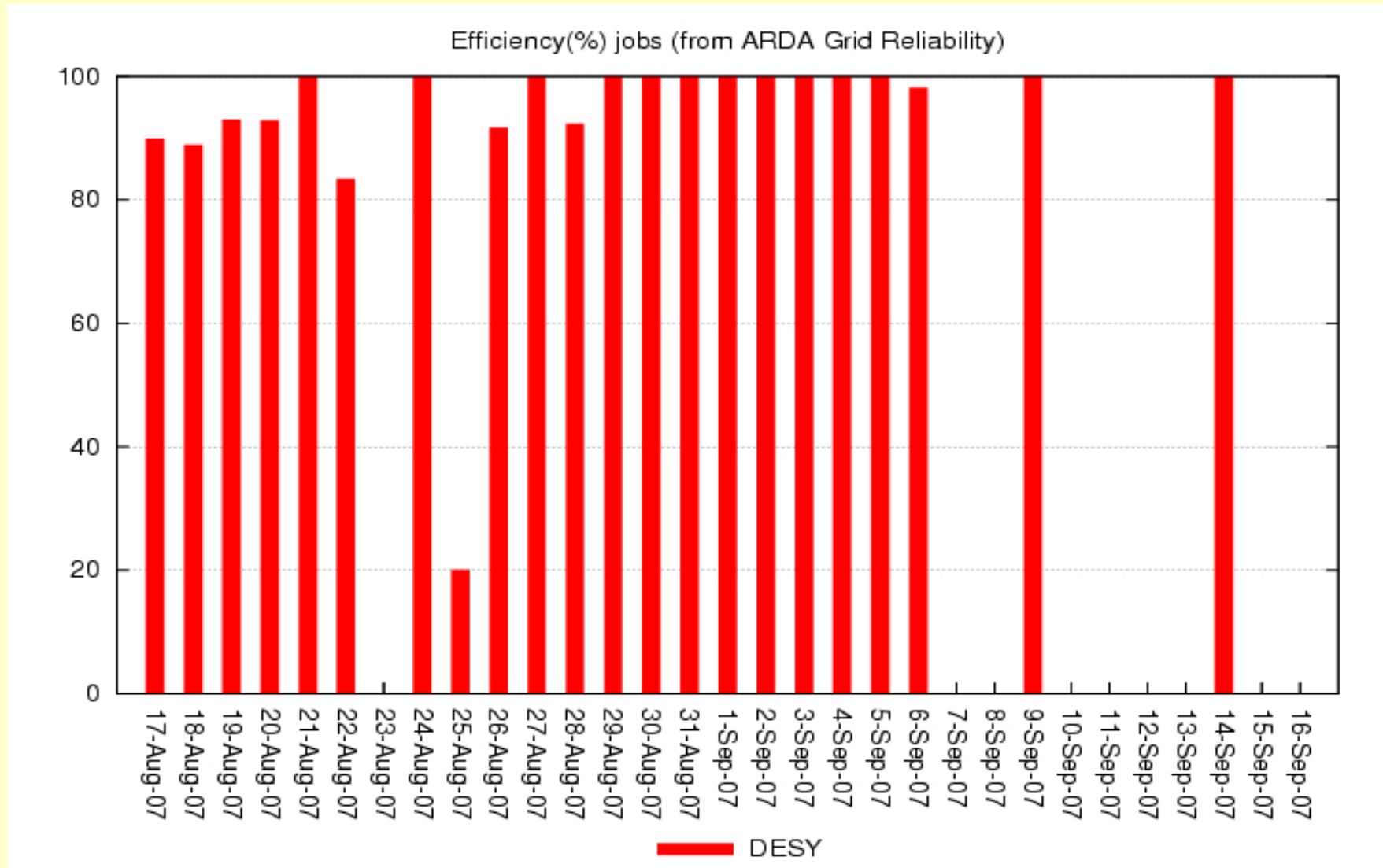


Application	#	Grid	Application				Overall	
		%	Success	Failed	Unknown	%	D/S	%
JobRobot	770	100	653	2	109	99.7	653	85.5
TestRobot	2130	98.9	2000	42	88	97.9	1967	92.4
analysis	780	92.3	656	32	85	95.4	640	82.8
production	576	12	7	5	146	58.3	7	4.43
unknown	317	99.4	67	0	245	100	67	21.47

Dashboard - cont.

- JobRobot efficiency is reasonable (>80%)
- Bad grid-eff. For production jobs (<15%); 158 aborted production jobs (few are “Cleared” with Exit Code 0 or with Exit Code 10032 (problems to source cmsset_default.sh, but most jobs are “Aborted” with no Exit Code)

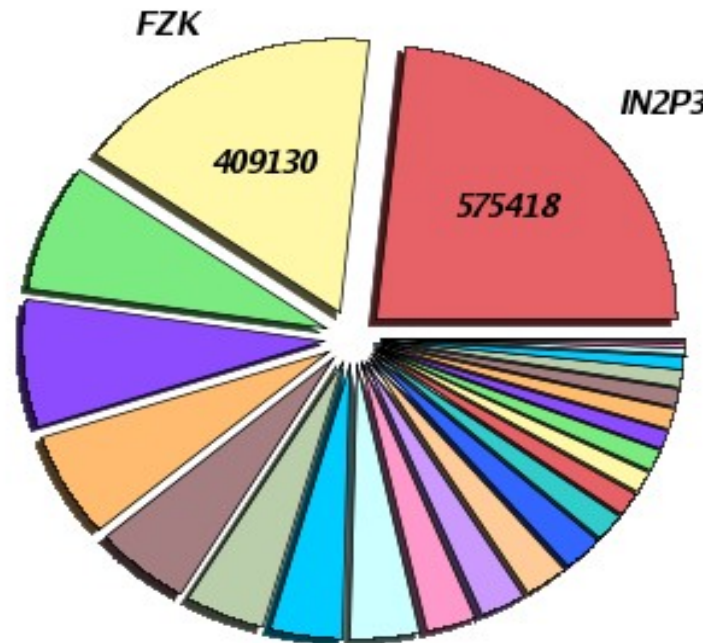
ARDA Grid Reliability



MC Production

ProdAgent Merge Events Written by Site (Sum: 2451416 Events)

48 Hours from 2007-09-16 14:31 to 2007-09-18 14:31 UTC

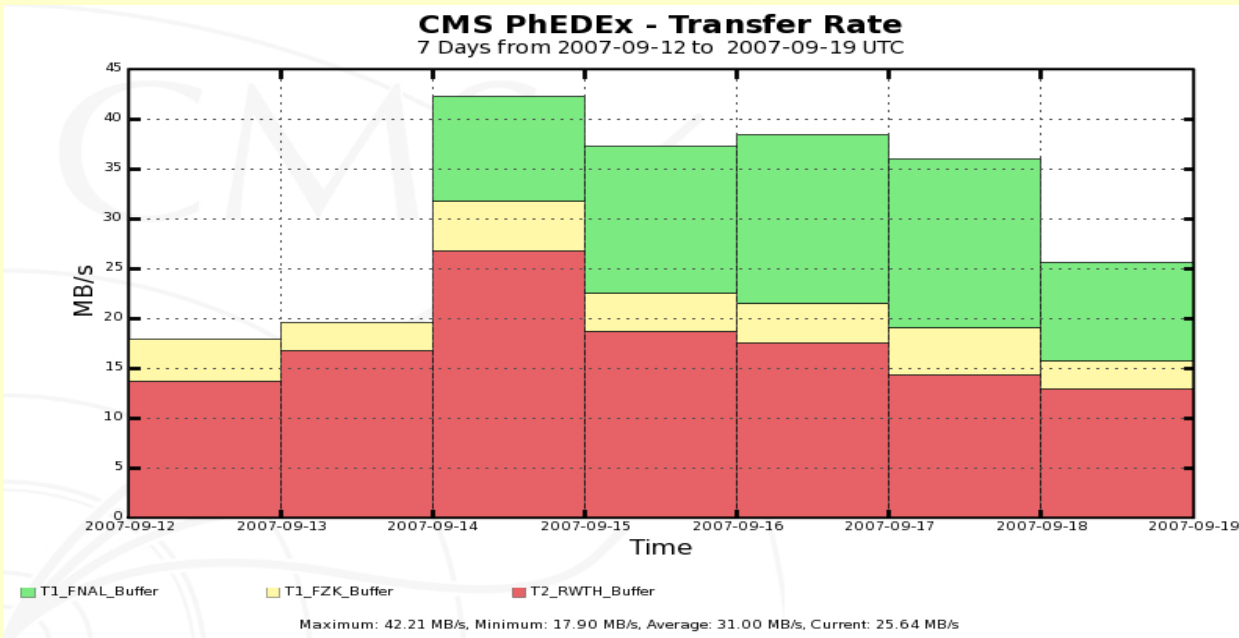


No MC production due to se rearrangement

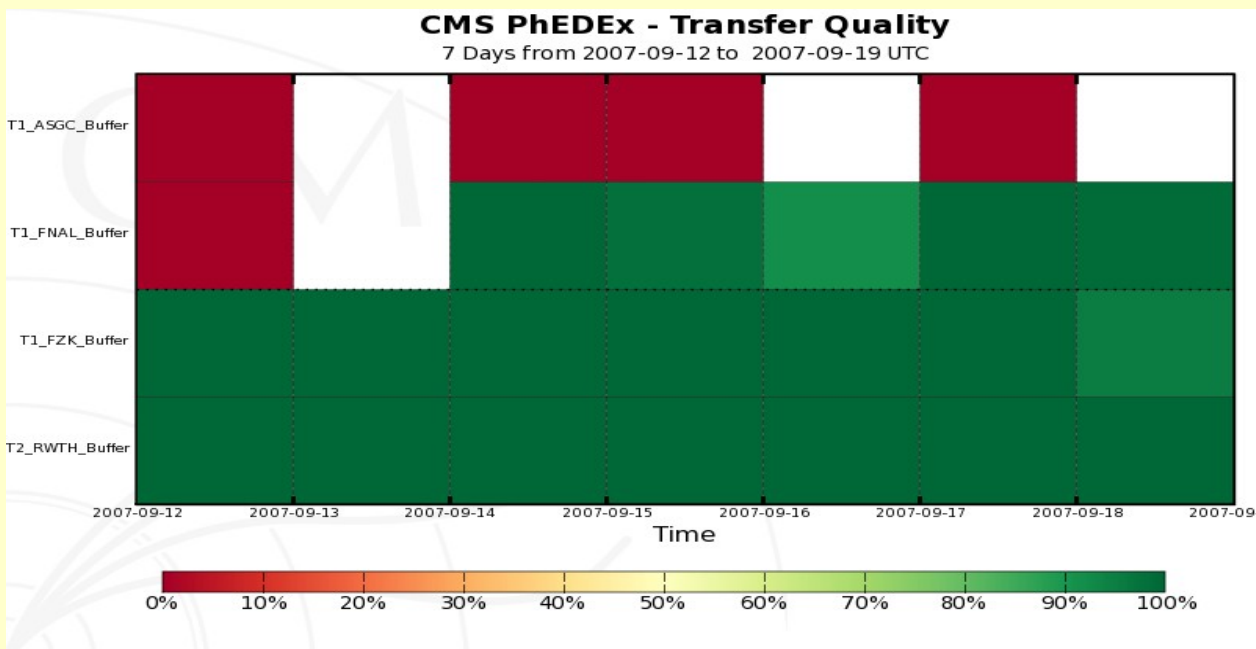
DESY

IN2P3 (575418)	FZK (409130)	Wisconsin (184022)	Florida (182083)	Legnaro (151695)
T2_Belgium (126634)	WARSAW (105231)	PIC (97066)	Nebraska (91215)	CERN (68000)
FNAL (62158)	Pisa (60293)	Caltech (51279)	Purdue (41619)	UCSD (35006)
BUDAPEST (31499)	London_RHUL (29598)	RWTH (28513)	London_IC_HEP (27998)	Estonia (27372)
Vienna (24800)	London_Brunel (17850)	CSCS (10600)	LIP-Lisbon (7017)	Spain_CIEMAT (4131)
Bari (1189)				

PhEDEx – Transfer to DESY

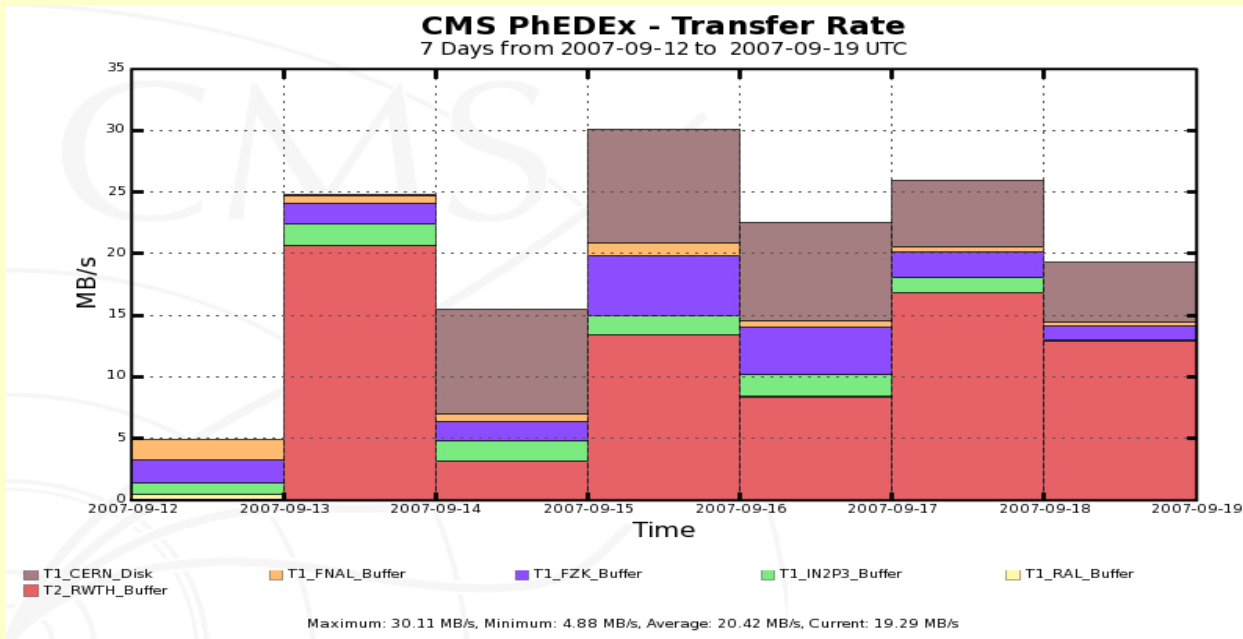


- Average transfer rate >30 MB/s

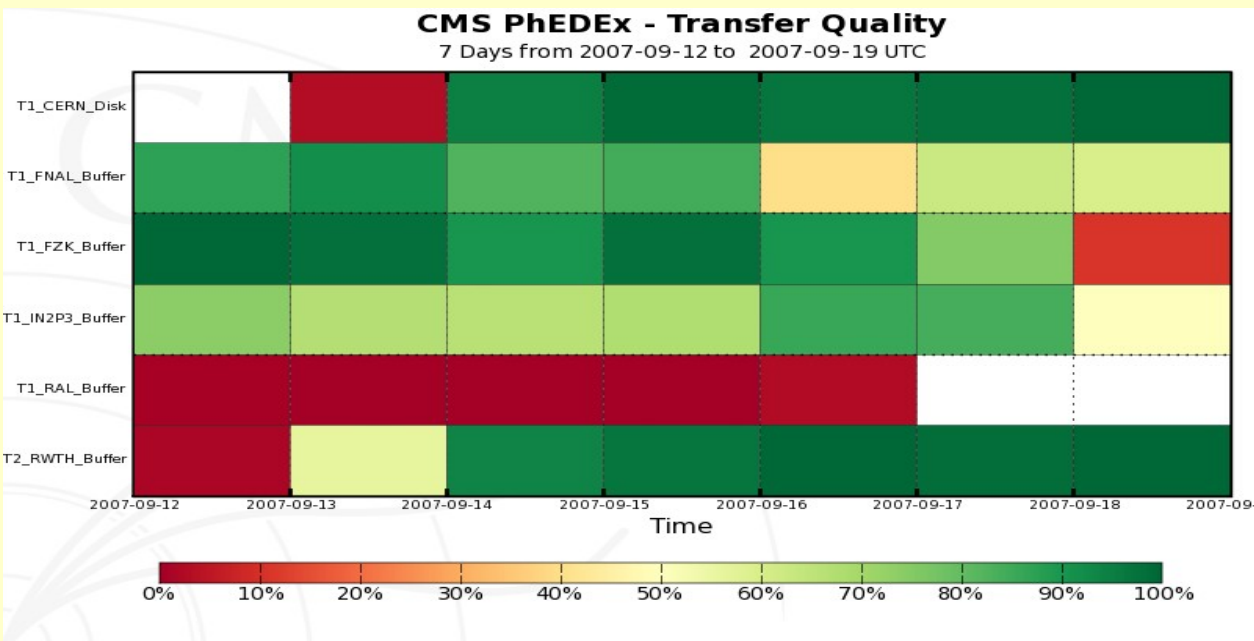


- Quality is good

PhEDEx – Transfers from DESY



- Average transfer rate > 20 MB/s



- Quality ok!