

Tier2 – Monitoring

Status Report

14.11.-27.11.2007

Benedikt Mura

- SAM Tests
- ARDA Dashboard
- MC production
- PhEDEx transfers

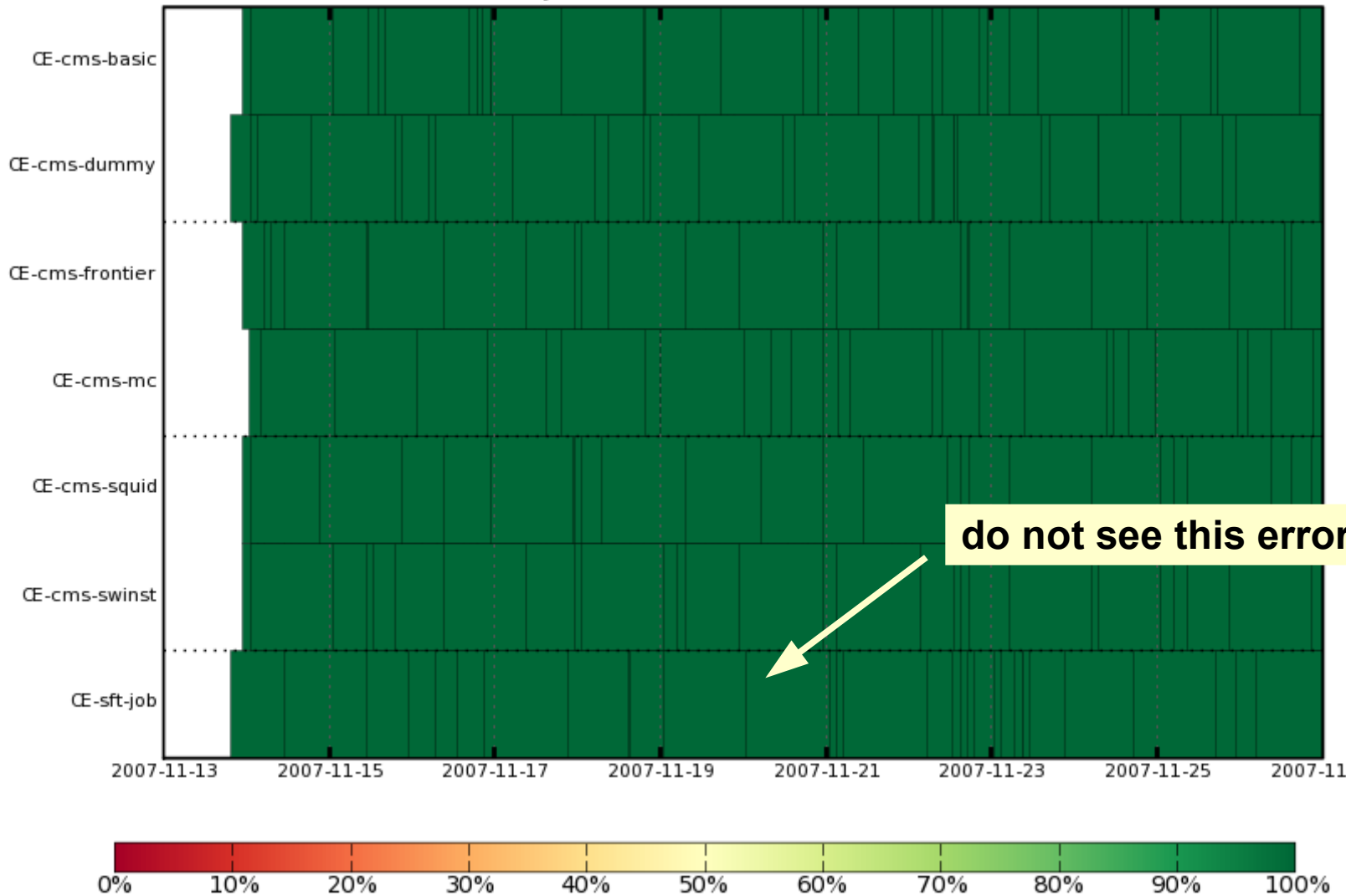
Service Availability Monitoring

- swinst test changed
 - no more warnings
 - now tries CMSSW 1.6.7 & 1.6.6
- observed failures:
 - 20.11. ~ 18:00: **error CE-sft-job**
 - “Got a job held event, reason: Unspecified gridmanager error”

Service Availability Monitoring

Test results for grid-ce3.desy.de

14 Days from 2007-11-13 to 2007-11-27 UTC



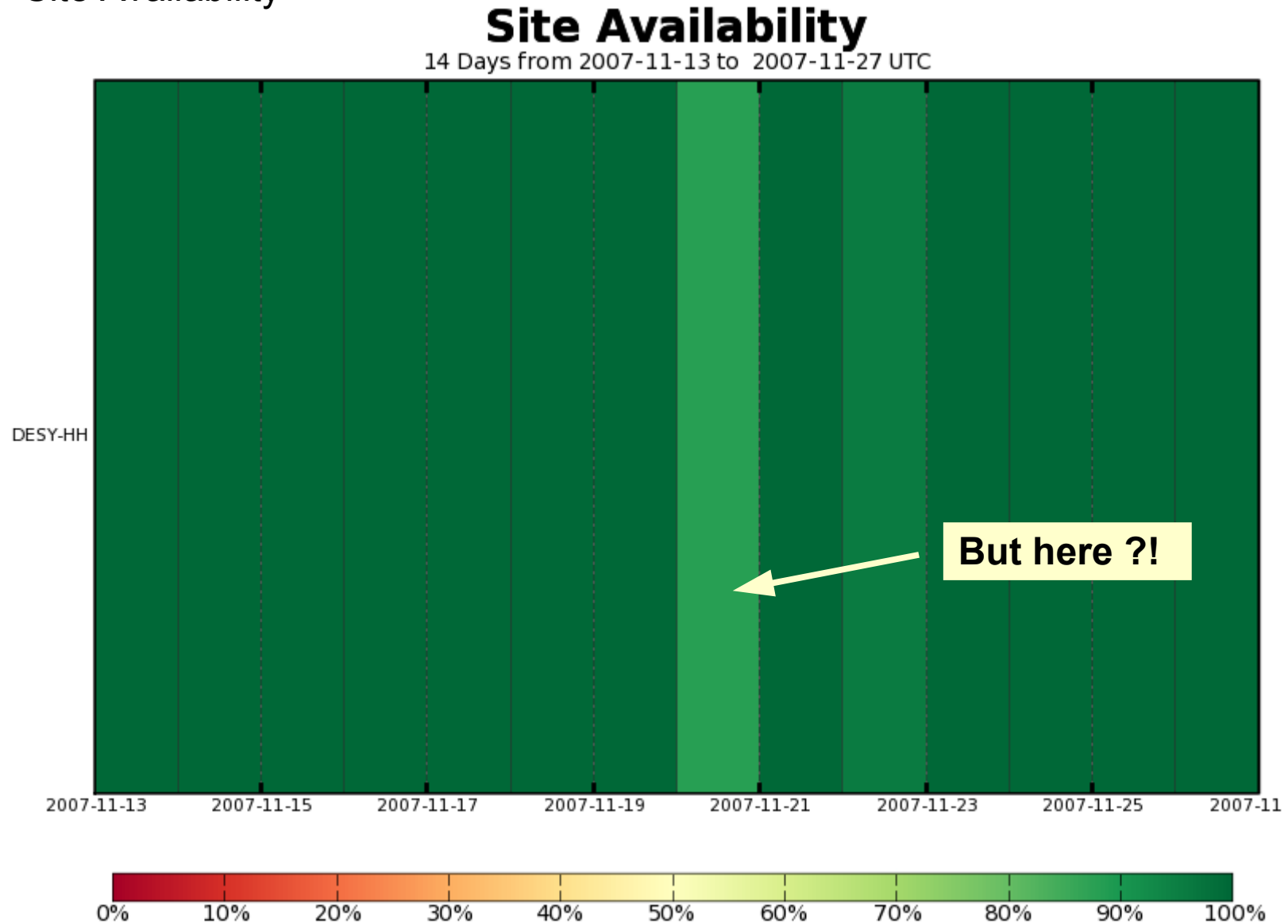
<http://lxarda16.cern.ch/dashboard/request.py/historicalsmyview?>

-> Test History

Site Availability

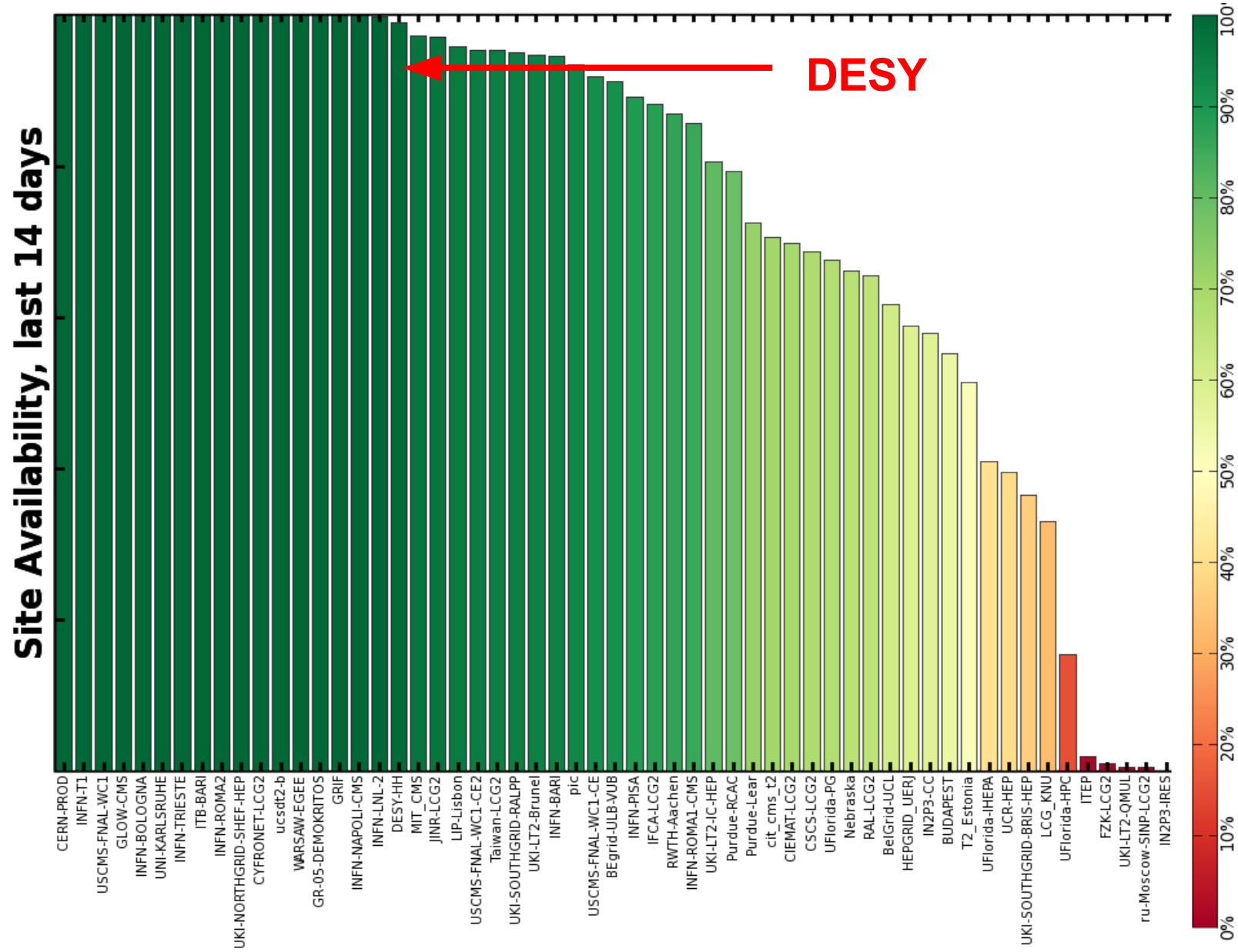
<http://lxarda16.cern.ch/dashboard/request.py/historicalsmyview?>

->Site Availability



11/27/07

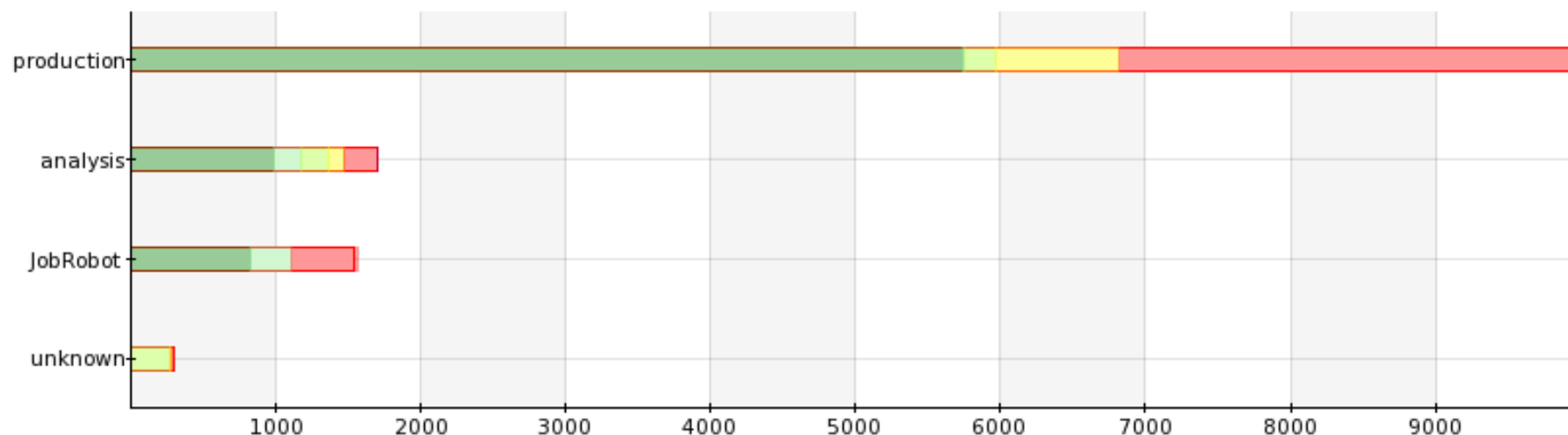
Site Availability Ranking



DESY-HH Dashboard

From 2007-11-13 10:23:08 until 2007-11-27 10:23:08

jobs per activity



number of jobs

submitted app-succeeded app-failed app-unknown pending running aborted cancelled

dashboard

grid

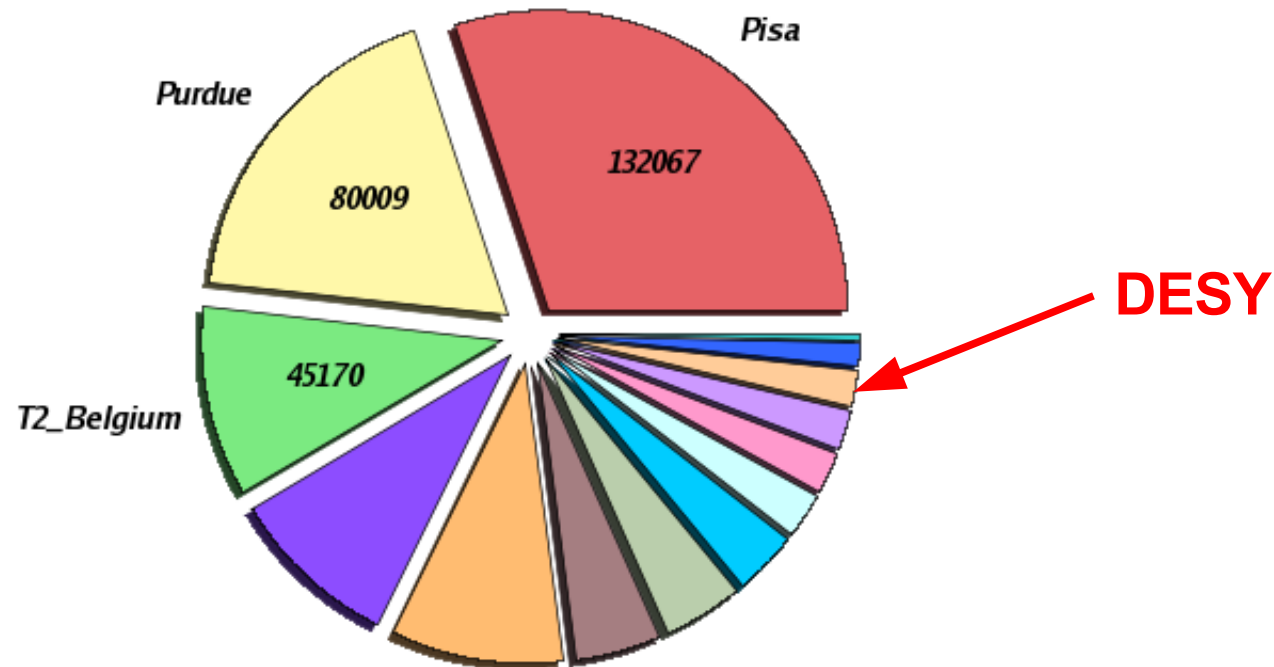
application

overall

activity↓	Sub	Unk	Pend	Run	Term	Done	Canc	Abort	Unk	Grid%	Succ	Fail	Unk	App%	D/S	Overall%
JobRobot	1540	0	0	0	1540	1089	0	449	2	70.81	830	289	421	74.17	807	52.4
analysis	1707	0	114	1	1592	939	3	223	427	80.81	992	193	407	83.71	856	53.77
production	9983	0	840	0	9143	4812	0	3169	1162	60.29	5743	5	3395	99.91	4605	50.37
unknown	305	0	2	5	298	272	0	20	6	93.15	2	1	295	66.67	1	0.34
total	13535	0	956	6	12573	7112	3	3861	1597	64.81	7567	488	4518	93.94	6269	49.86

MC Production

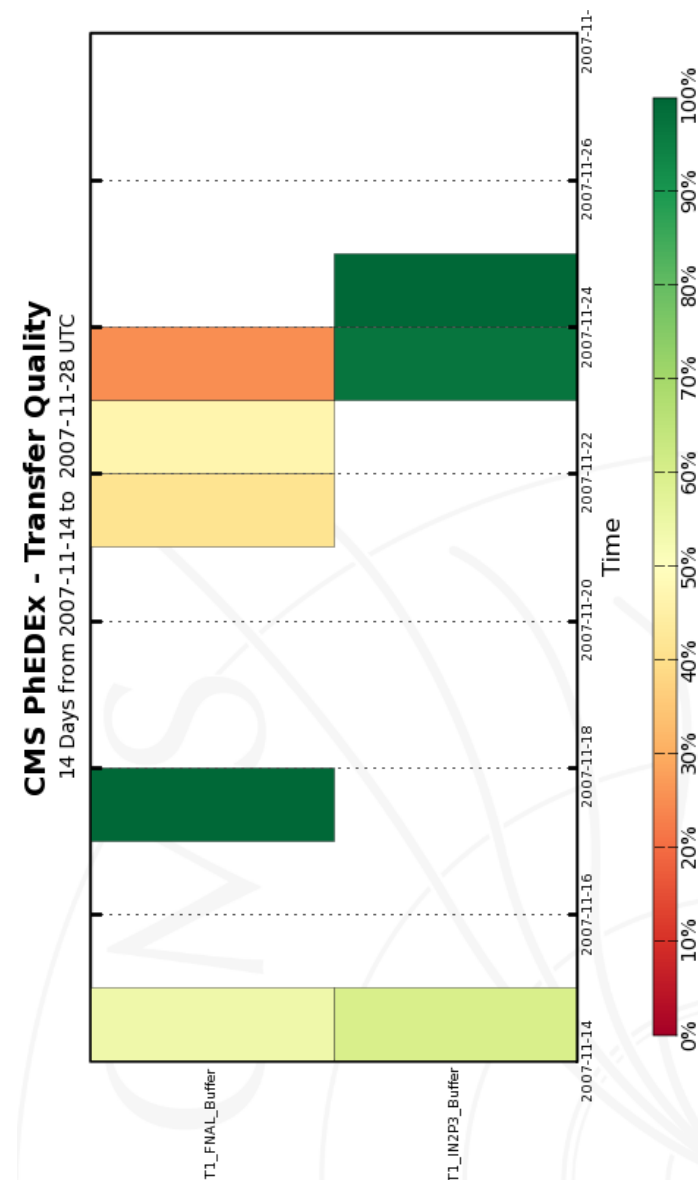
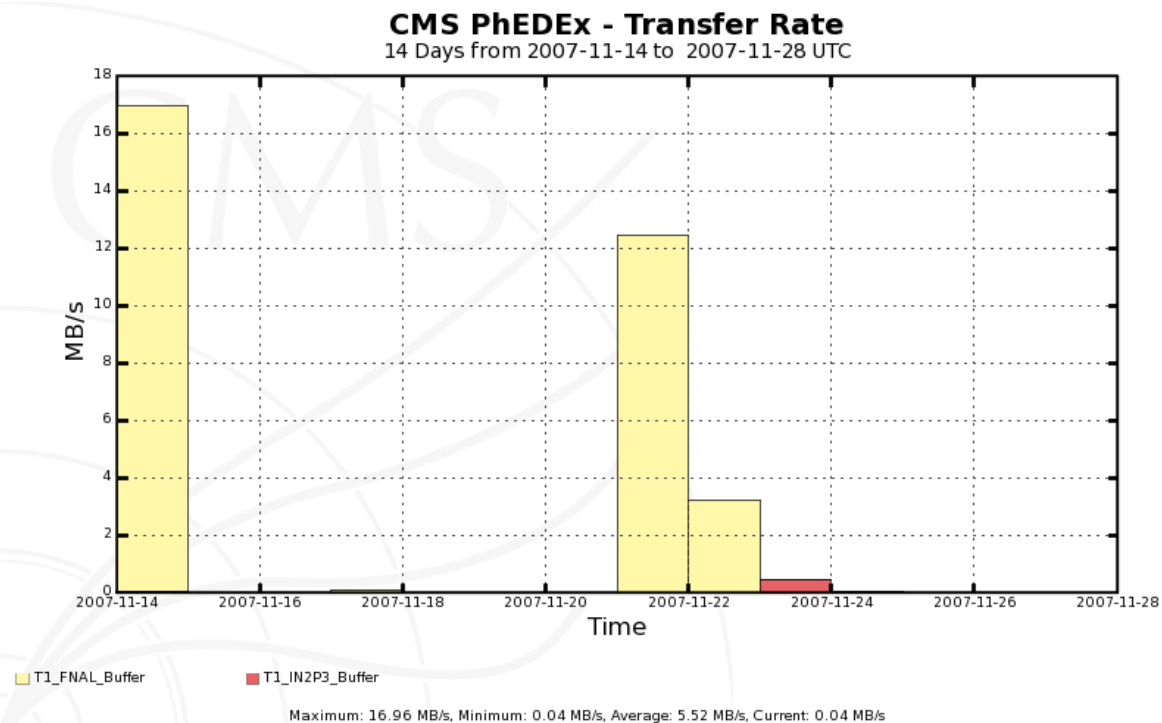
ProdAgent Merge Events Written by Site (Sum: 439722 Events)
48 Hours from 2007-11-24 08:59 to 2007-11-26 08:59 UTC



Pisa (132067)	Purdue (80009)	T2_Belgium (45170)	MIT (40680)	FNAL (40560)
Wisconsin (20660)	Caltech (18840)	Bari (15447)	UCSD (10920)	WARSAW (9978)
BUDAPEST (9610)	<u>T2_DESY (8605)</u>	Belgium_UCL (5632)	IN2P3 (1544)	

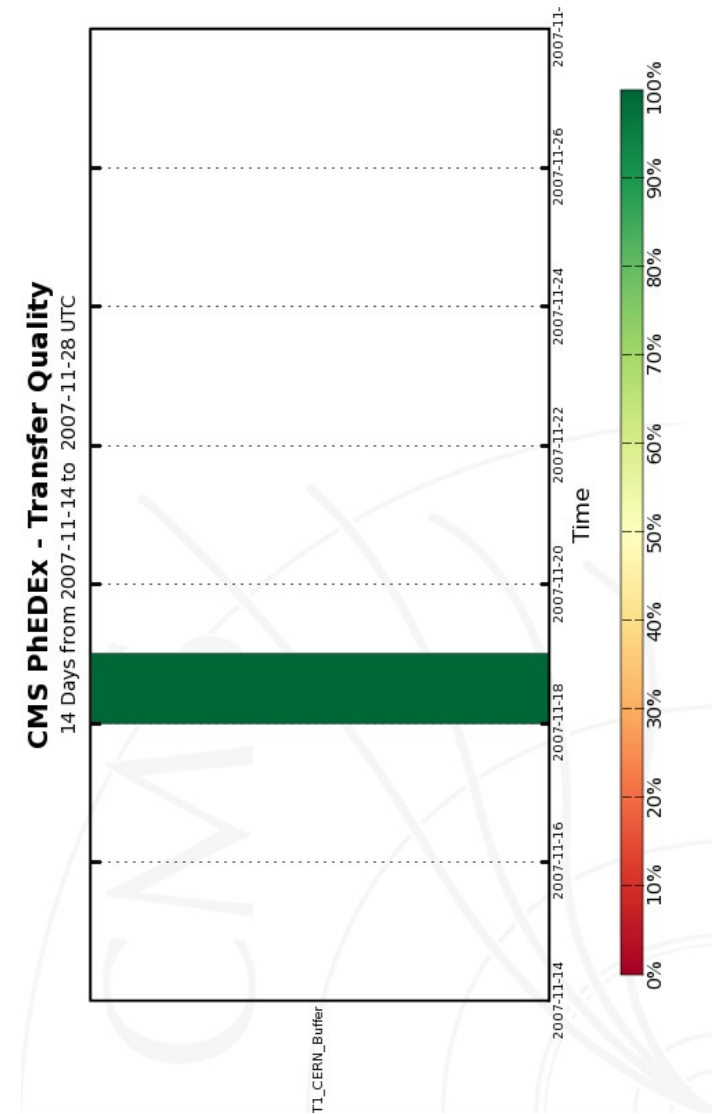
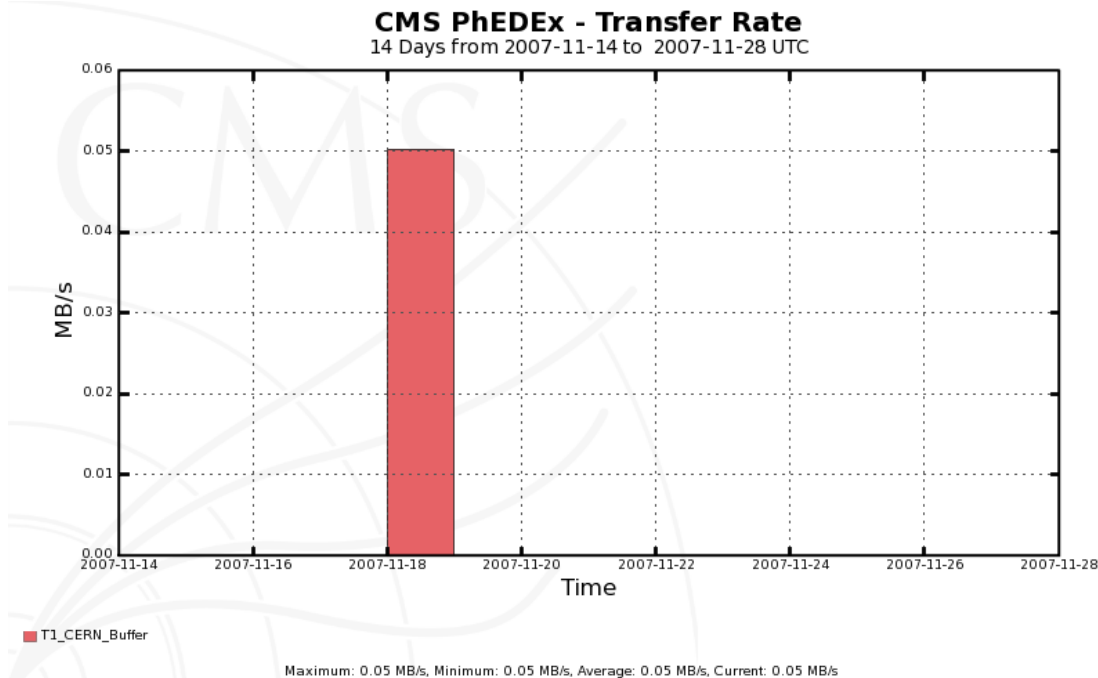
PhEDEx Transfers to DESY (prod)

- Some transfers from FNAL & IN2P3
- Rate is good (up to 17 MB/s)
- Quality ok



PhEDEx Transfers from DESY(prod)

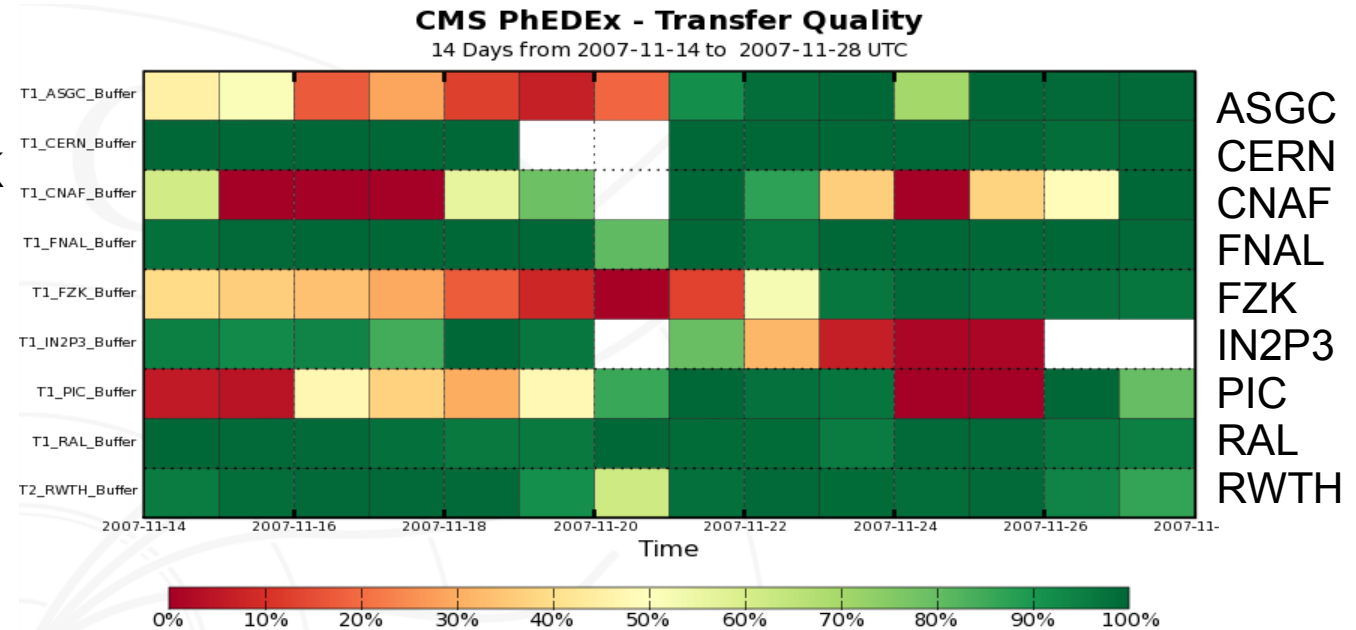
- Only few transfers to CERN
- Rate & Quality good



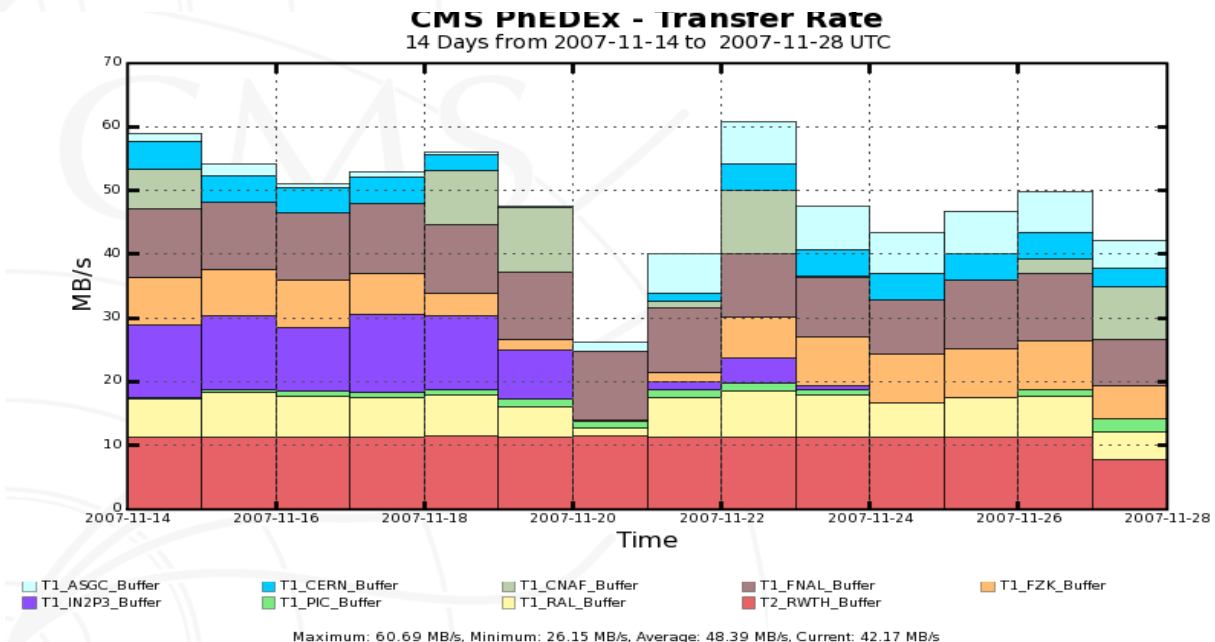
PhEDEx Transfers to DESY (debug)

- Some problems at FZK after dCache upgrade. Now working again.

- No space left at our loadtest pool for some hours on 11/20



Maximum: 60.69 MB/s
Minimum: 26.15 MB/s
Average: 48.39 MB/s



PhEDEx Transfers from DESY(debug)

- Some problems at FZK after dCache upgrade. Now working again.
- some T1 seem to start transfers only when links are in danger

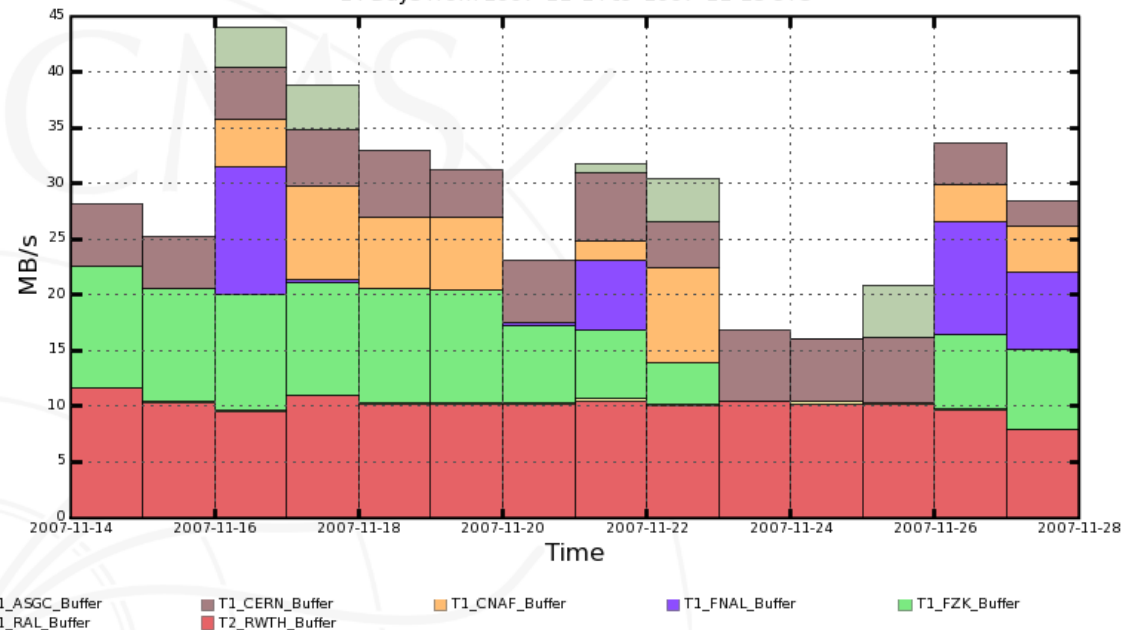
CMS PhEDEx - Transfer Quality

14 Days from 2007-11-14 to 2007-11-28 UTC



CMS PhEDEx - Transfer Rate

14 Days from 2007-11-14 to 2007-11-28 UTC



Maximum: 43.96 MB/s, Minimum: 16.08 MB/s, Average: 28.66 MB/s, Current: 28.38 MB/s

Link Status

	ASGC	CERN	CNAF	FNAL	FZK	IN2P3	PIC	RAL
DESY	From: ?, ?, ?, 64, 318, ?, 4, 387, ?, ? To: 35, 22, 112, 510, 533, 559, 520, 535, 536, 354	From: 503, 352, 451, 513, 333, 523, 463, 475, 306, 187 To: 209, ?, ?, 102, 344, 346, 341, 341, 341, 236	From: 523, 532, ?, 140, 708, ?, ?, 275, 328 To: 693, 834, ?, 82, 812, 26, ?, 7, 183, 690	From: ?, ?, 23, 509, ?, ?, ?, ?, 835, 573 To: 884, 876, 896, 1872, 1099, 760, 699, 891, 873, 586	From: 844, 834, 573, 513, 306, ?, ?, ?, 552, 578 To: 298, 132, 6, 112, 525, 626, 631, 629, 628, 429	From: ?, ?, ?, ?, ?, ?, ?, ?, ?, ? To: 957, 624, ?, 105, 314, 83, 9, 2, ?, ?	From: ?, ?, ?, ?, ?, ?, ?, ?, ?, ? To: 58, 107, 87, 102, 112, 78, ?, ?, 78, 173	From: 7, 11, 4, 16, 2, 9, 11, 11, 9, 4 To: 540, 403, 111, 503, 599, 549, 447, 513, 538, 359

- 5/8 T1 up-links commissioned (DESY is the only T2 having this)
- 7/8 T1 down-links commissioned
 - will loose IN2P3 which has a downtime scheduled
 - Transfers from PIC improving recently ...
- Loadtest Pool filled up twice because deleted files were not removed
 - Birgit had to start cleanup script
 - shifters should keep an eye on the available space in this pool