

WLCG Service Report

4 weeks Jan 20 - Feb 17

WLCG Management Board, 17th Feb 2015

Xavier Espinal
IT/DSS

Selected items from operations

- ALICE: continuing **high activity** (reached 75k concurrent jobs)
- ATLAS: **filling** grid resources with new Prodsys2 and Rucio and undergoing final physics validations
- CMS: **significant activity**. Deletion campaign and tape staging campaign ongoing. Big MC production campaign for Run2.
 - **Cosmic data taking** with magnet off (Cosmic RUn at ZEro Tesla) **started** Tue 10/Feb
- LHCb: **finalising** legacy run1 stripping campaign. Expect MC to ramp up in the following weeks

Operations coordination (1/2)

- dCache 2.6 unsupported after beginning of Run 2
- Xrootd 4 soon in EPEL stable repository
- AFS UI decommissioning successfully completed: few minor issues
- VOMRS to VOMS-Admin migration delayed until Mon 02/Mar
- Problems observed for Argus with the latest Java: easy workaround, fix already prepared by Argus product team

Further details: <http://indico.cern.ch/event/319744/>

Operations coordination (2/2)

- pre-GDB on Data management and Data Preservation (13th/Jan)
 - Discussion on the evolution of storage protocols between storage MW providers, experiments and sites
- WLCG site survey closed
 - The total number of answers received for the WLCG survey is 101 over 162 sites
 - The Ops Coord chairpeople team started results analysis discussions
- WLCG workshop in Okinawa:
 - Draft agenda: <https://indico.cern.ch/event/345619/>

Service incident reports

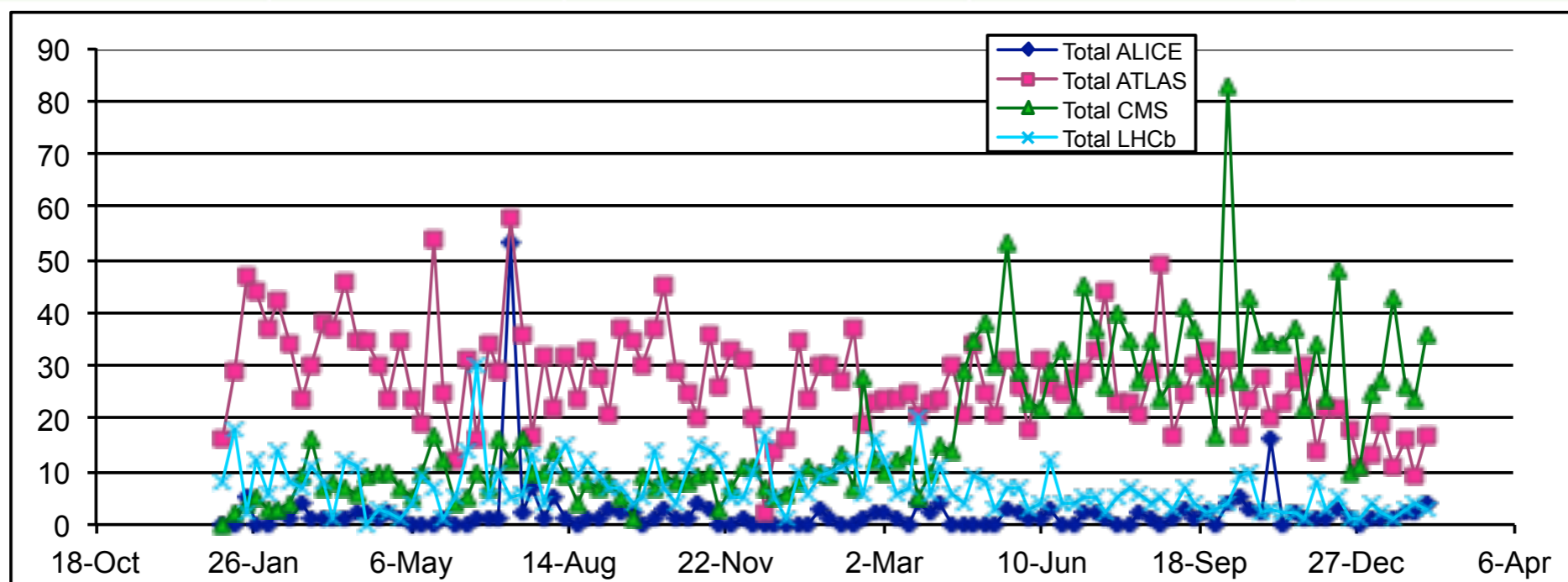
- **NL-T1**: diskserver incident affected 676k and 70TB lost
 - Files: 108k (ALICE), 89k (ATLAS), 96k (LHCb)
 - Bytes: 7TB (ALICE), 33TB (ATLAS), 30TB (LHCb)
 - **Impacted completion** of LHCb Legacy Run1 stripping campaign (lost some 1 % of the data to be processed)
- SIR: <https://twiki.cern.ch/twiki/bin/view/LCG/WLCGServiceIncidents>

GGUS summary

Slides by Pablo Saiz

GGUS summary (4 weeks 19/1/15 - 15/02/15)

VO	User	Team	Alarm	Total
ALICE	6	2	1	9
ATLAS	21	32	0	53
CMS	129	0	0	129
LHCb	1	10	0	11
Totals	157	44	1	202



Significant events

- GGUS release on the 28th of January
 - Change of GGUS certificate subject
 - Internal DB maintenance
 - Replace label 'Problem' by 'Issue'
 - Next release scheduled for 25th February
- 1 real alarm during this period
 - Test alarm to FNAL sent to wrong email!
 - Still under investigation

ALICE ALARM GGUS:111753

CERN-PROD CEs fail job submission

What time UTC	What happened
2015/2/13 20:53	Initial submission. Type of Problem: Middleware Site: CERN-PROD
2015/2/13 21:40	Service manager acknowledges ticket, and keeps investigating with the help of submitter
2015/2/13 21:52	Submitter announces that the issue seems to be with the old gLite VOboxes, while a new WLCG VObox is working fine. Submitter announces that the ticket can be closed
2015/2/14 15:46	Submitter announces that the issue may be due to an update of java 7, that disables SSLv3. Submitter asks if this could be re-enabled temporarily.
2015/2/16 08:10	Service manager enables SSLv3 on one CE, but it did not help
2015/2/16 17:56	Submitter concludes the cause remains unknown, but it should soon no longer matter, as WLCG VOboxes will be used instead

Availability reports

Taken from:

<https://espace2013.cern.ch/WLCG-document-repository/ReliabilityAvailability>



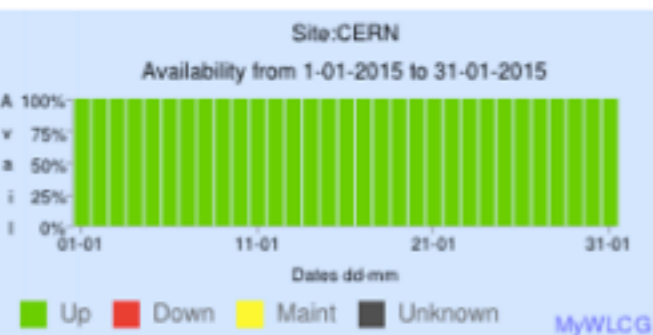
Availability of WLCG Tier-0 + Tier-1 Sites

January 2015

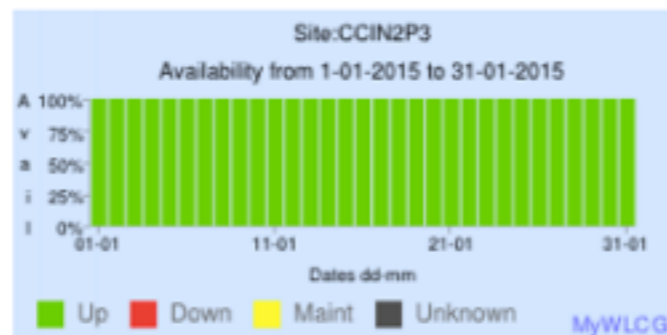
ALICE

Target Availability for each site is 97.0%. Target for 8 best sites is 98.0%

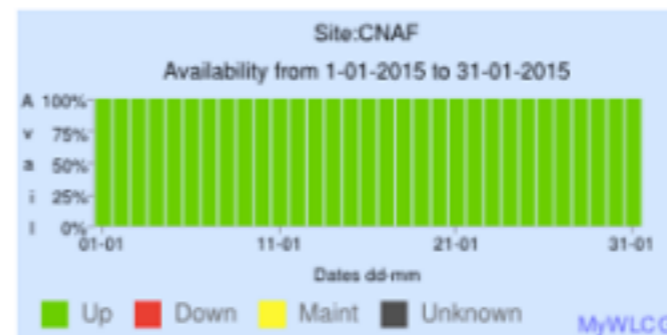
Availability Algorithm: 'And' of all Service Flavours



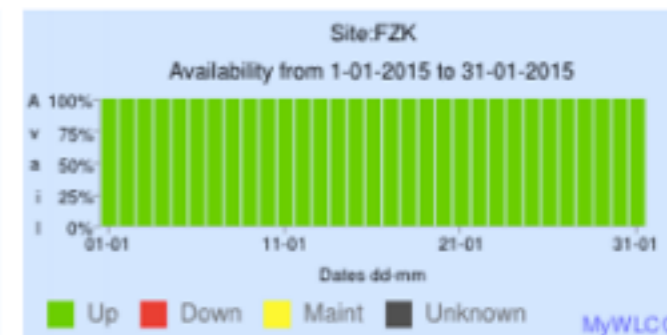
CERN Avail: 100% Unkn: 0%



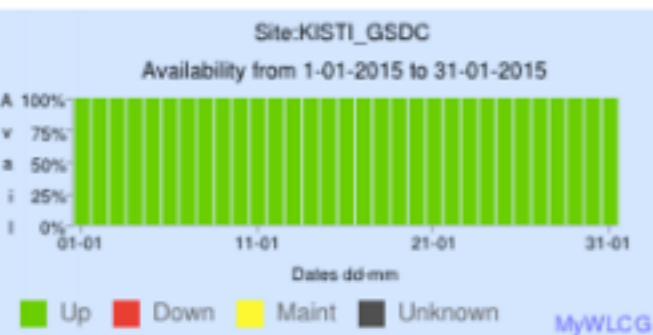
CCIN2P3 Avail: 100% Unkn: 0%



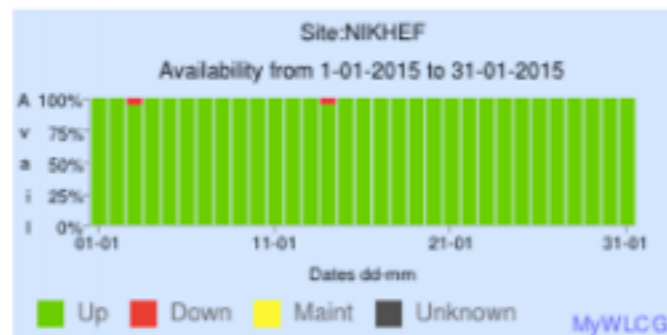
CNAF Avail: 100% Unkn: 0%



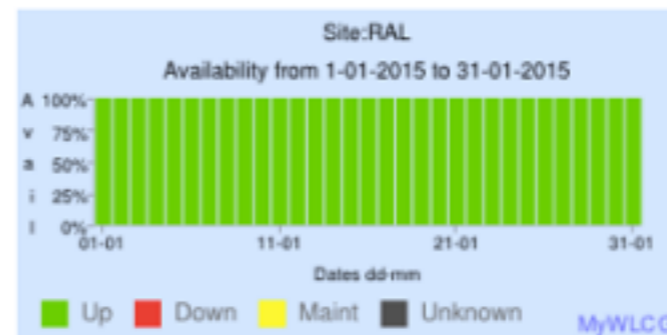
FZK Avail: 100% Unkn: 1%



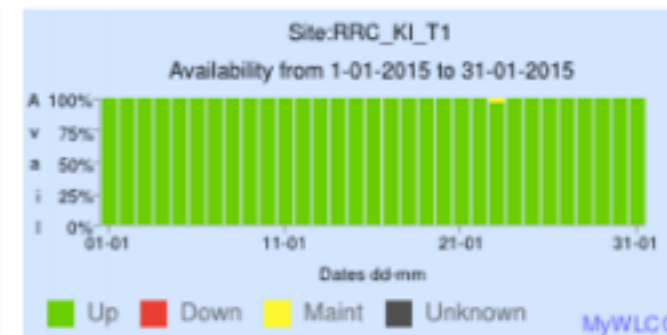
KISTI_GSDC Avail: 100% Unkn: 2%



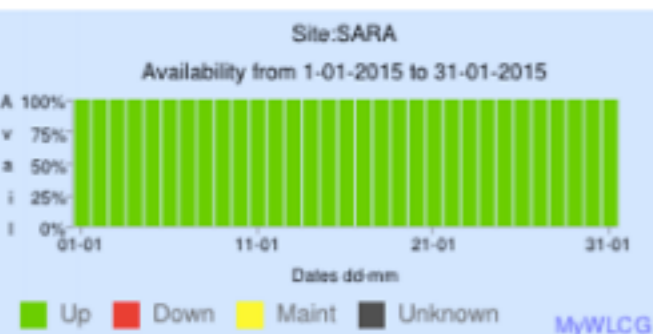
NIKHEF Avail: 100% Unkn: 0%



RAL Avail: 100% Unkn: 1%



RRC_KI_T1 Avail: 100% Unkn: 1%



SARA Avail: 100% Unkn: 0%



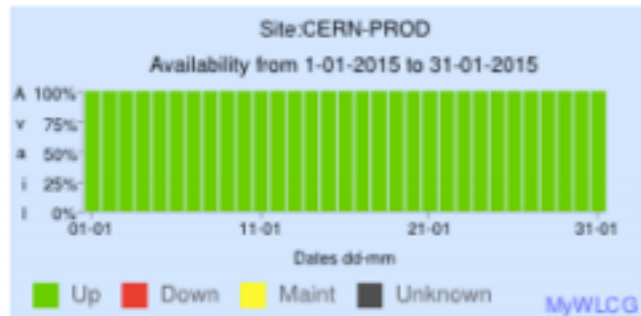
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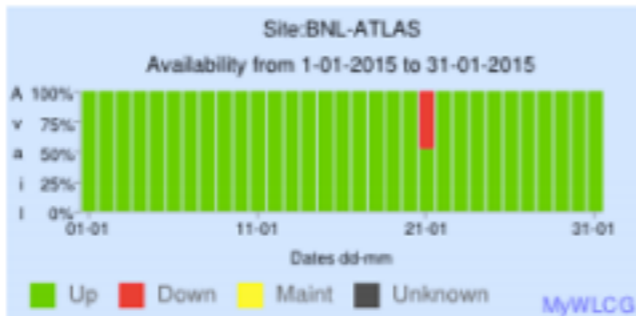
ATLAS

Target Availability for each site is 97.0%. Target for 8 best sites is 98.0%

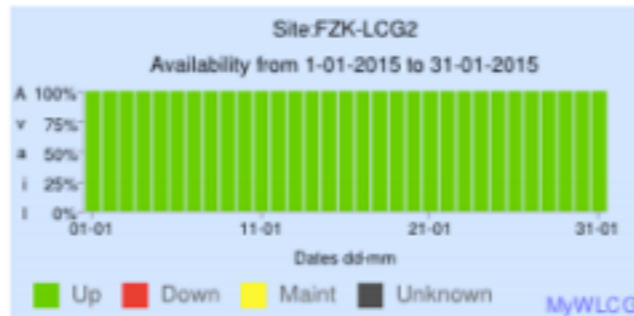
Availability Algorithm: (OSG-CE + CE + CREAM-CE + ARC-CE) * (SRMv2 + OSG-SRMv2)



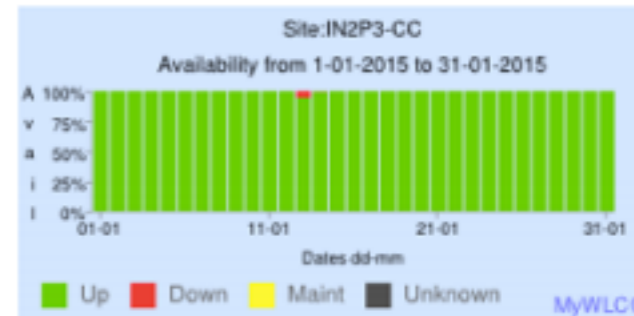
CERN-PROD Avail: 100% Unkn: 0%



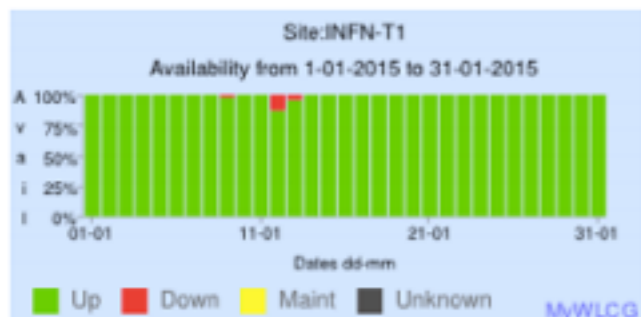
BNL-ATLAS Avail: 98% Unkn: 0%



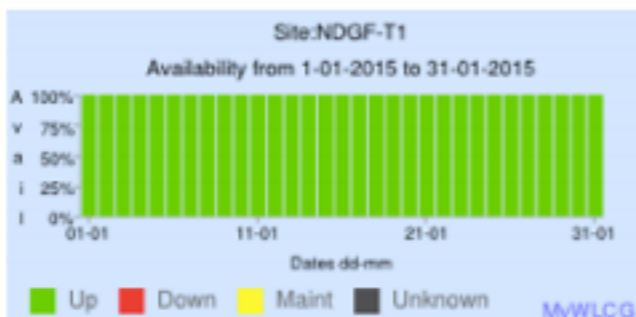
FZK-LCG2 Avail: 100% Unkn: 0%



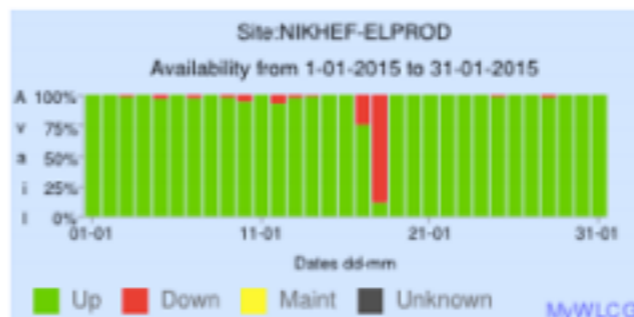
IN2P3-CC Avail: 100% Unkn: 0%



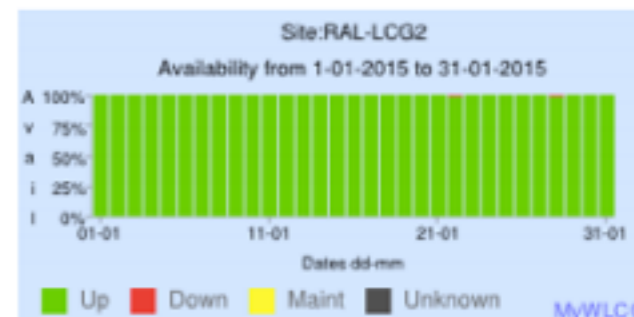
INFN-T1 Avail: 99% Unkn: 0%



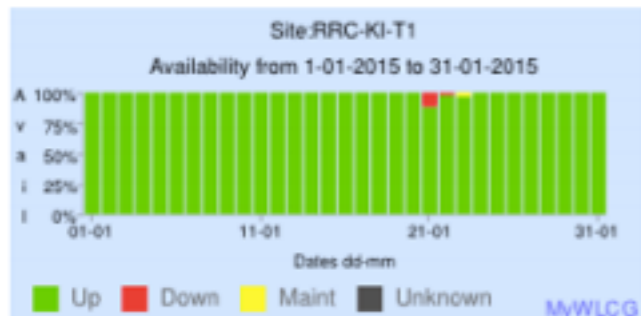
NDGF-T1 Avail: 100% Unkn: 0%



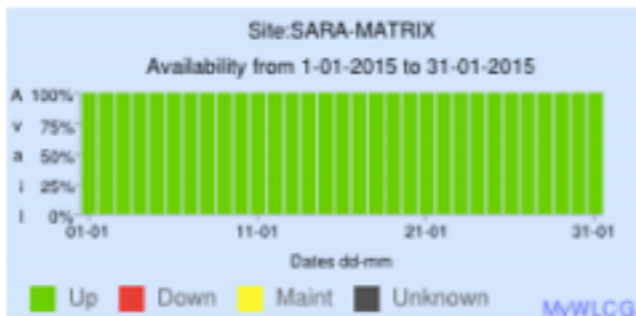
NIKHEF-ELPROD Avail: 96% Unkn: 1%



RAL-LCG2 Avail: 100% Unkn: 0%



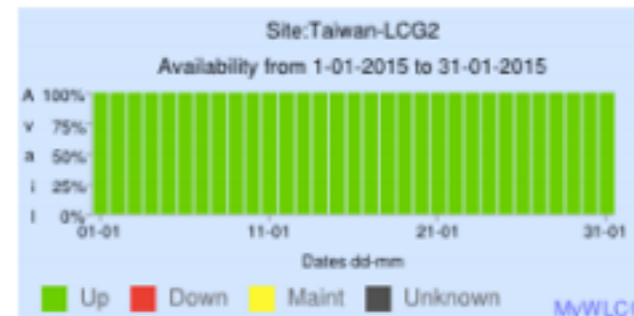
RRC-KI-T1 Avail: 99% Unkn: 1%



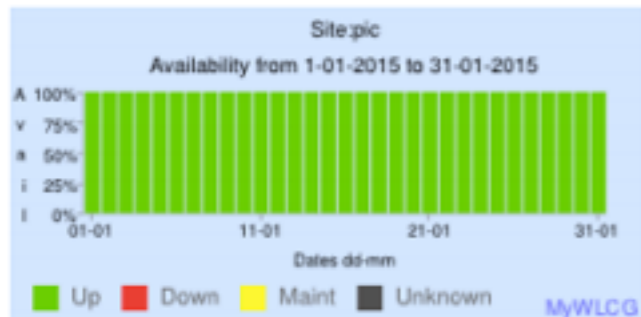
SARA-MATRIX Avail: 100% Unkn: 0%



TRIUMF-LCG2 Avail: 100% Unkn: 1%



Taiwan-LCG2 Avail: 100% Unkn: 0%



pic Avail: 100% Unkn: 0%





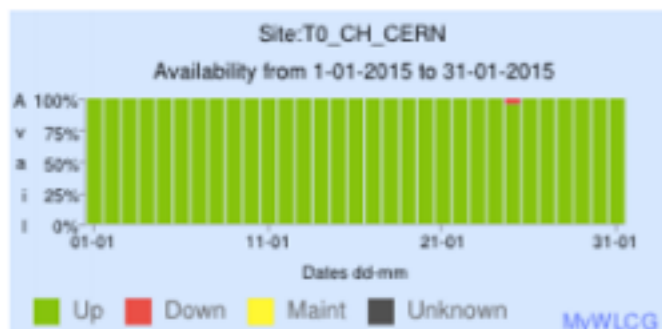
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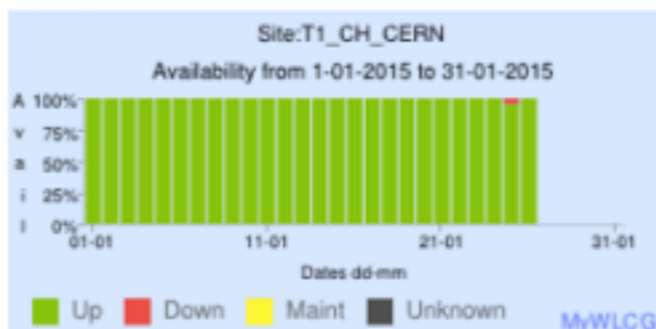
CMS

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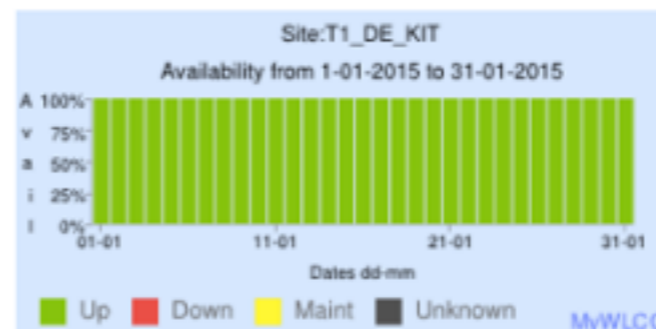
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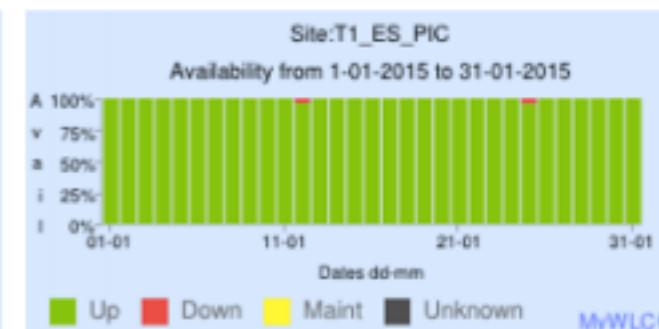
T0_CH_CERN Avail: 100% Unkn: 0%



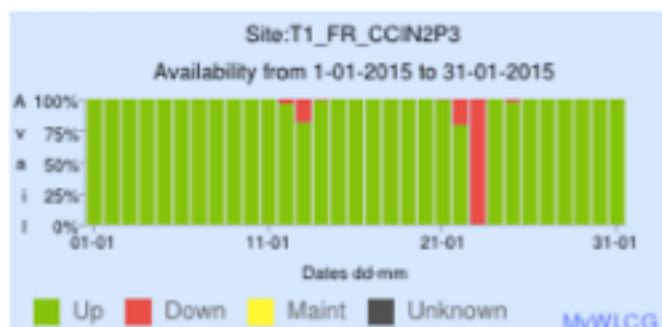
T1_CH_CERN Avail: 100% Unkn: 0%



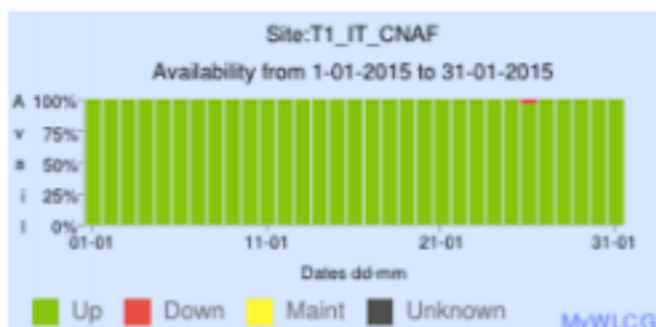
T1_DE_KIT Avail: 100% Unkn: 0%



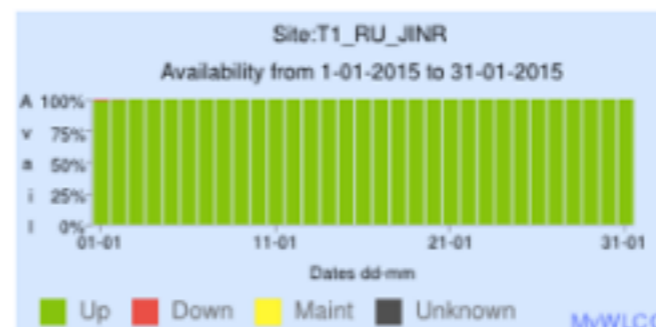
T1_ES_PIC Avail: 100% Unkn: 0%



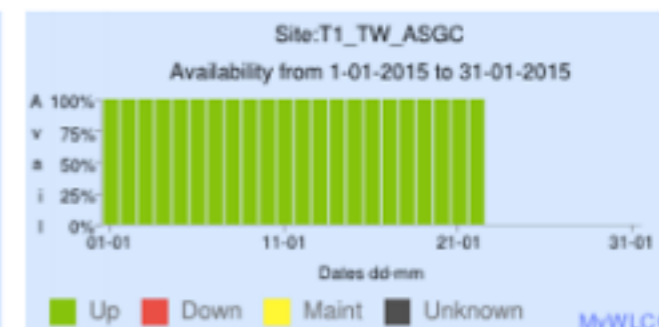
T1_FR_CCIN2P3 Avail: 98% Unkn: 6%



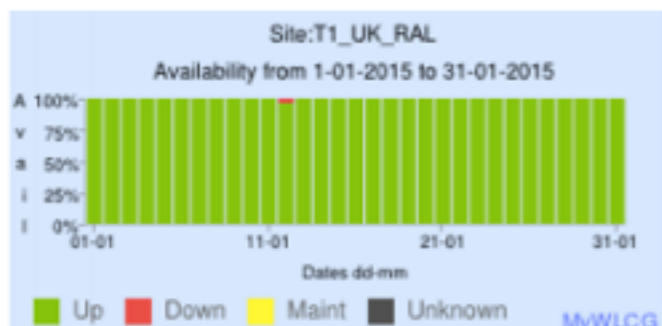
T1_IT_CNAF Avail: 100% Unkn: 0%



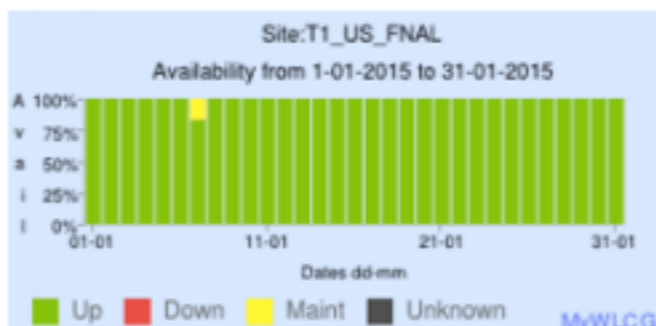
T1_RU_JINR Avail: 100% Unkn: 0%



T1_TW_ASGC Avail: 100% Unkn: 0%



T1_UK_RAL Avail: 100% Unkn: 0%



T1_US_FNAL Avail: 99% Unkn: 10%



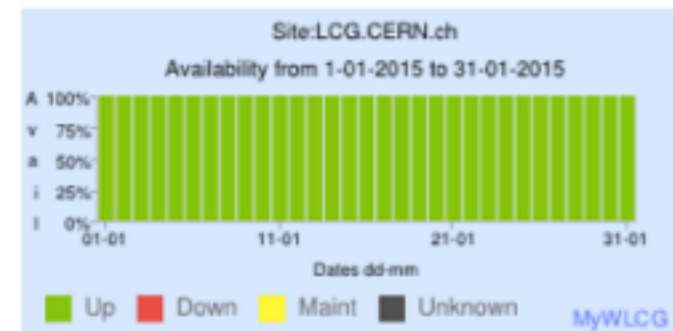
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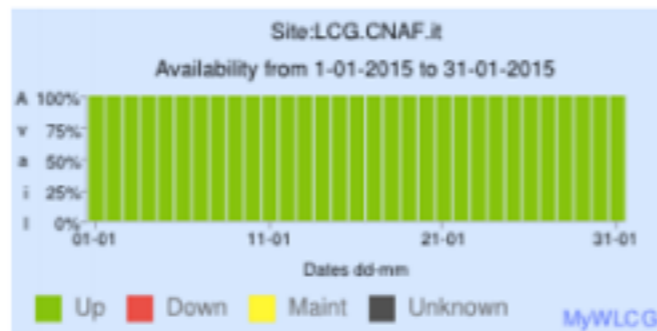
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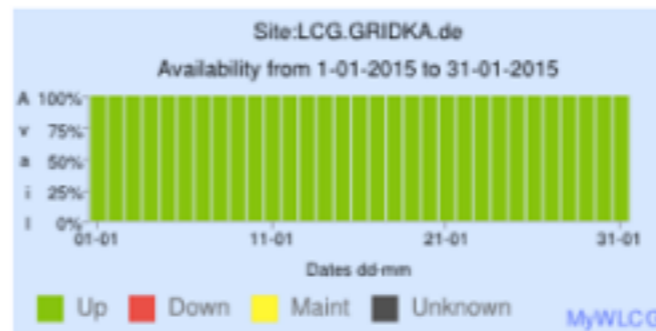
Availability Algorithm: (CE + CREAM-CE + ARC-CE) * SRMv2



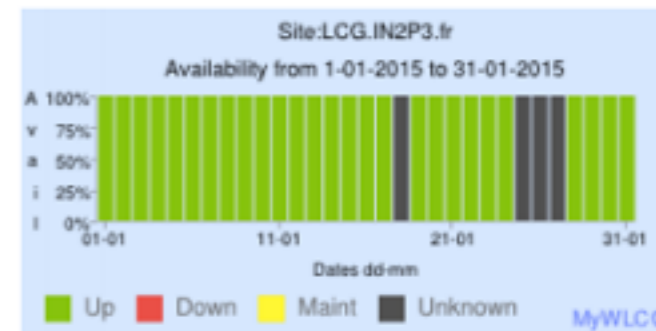
LCG.CERN.ch Avail: 100% Unkn: 0%



LCG.CNAF.it Avail: 100% Unkn: 0%



LCG.GRIDKA.de Avail: 100% Unkn: 0%



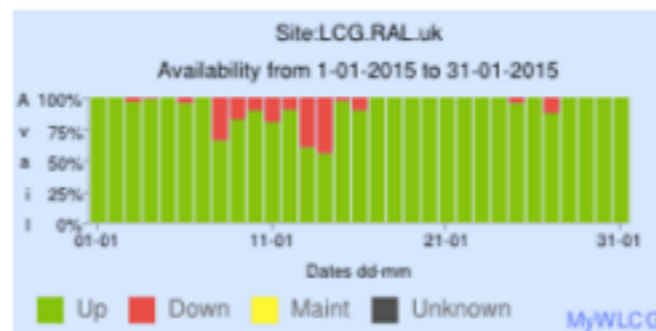
LCG.IN2P3.fr Avail: 100% Unkn: 25%



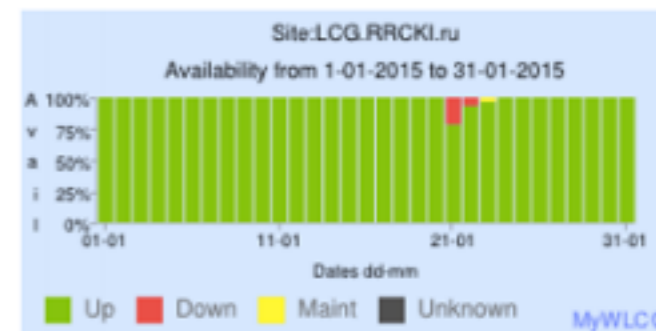
LCG.NIKHEF.nl Avail: 100% Unkn: 0%



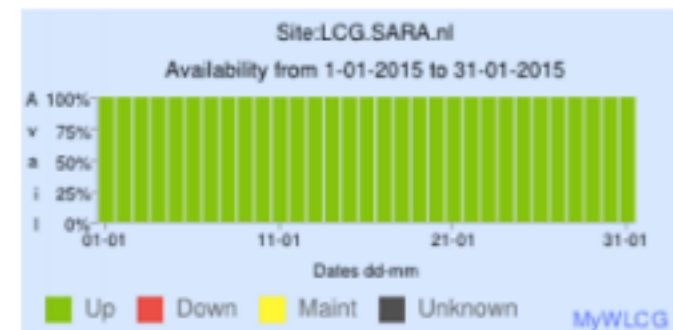
LCG.PIC.es Avail: 100% Unkn: 0%



LCG.RAL.uk Avail: 94% Unkn: 4%



LCG.RRCKI.ru Avail: 99% Unkn: 1%



LCG.SARA.nl Avail: 100% Unkn: 0%