

# ADC monitoring tools

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*If I have a grid site how can I monitor site activities?*

**You can use ATLAS Distributed Computing monitoring tools!**

ADC monitoring tools can help sites from smallest to biggest



# Start with the SSB (Site Status Board)

<http://dashb-atlas-ssb.cern.ch/dashboard/request.py/siteview>

- monitor the overall status of the site
- look into the site history

SSB aggregates information from different sources and provides

- 240 different metrics
- 18 production views
- 26 dev views

Specify a view

The screenshot shows the SSB dashboard interface. At the top, there are navigation options like 'Index' and 'Expanded Table'. Below that, there's a 'Show 200 entries' section with 'Copy', 'Print', and 'Save' buttons. A 'view' dropdown menu is open, showing 'Shifter view' selected, with a list of other views including 'Cloud', 'DDM\_subscriptions', 'DxU', 'Frontier\_Squid', 'Frontier\_Squid2', 'Netstat', 'Network Measurements', and 'Pilot efficiency - CE'. The main table displays site information and various metrics. The columns include Site Name, Tier, Cloud, Downtime, DDM 4h [%], and several columns under 'Panda Efficiency' and 'Activity status now: Included-Excluded sites'. The table rows show data for various sites like AGLT2, AM-04-YERPHI, ANLASC, etc., with status indicators like 'ACTIVE', 'DOWN', or 'BLOCKLISTED'.

Site Name	Site Info			DataM...	Panda Efficiency				Activity status now: Included-Excluded sites							
	Tier	Cloud	Downtime		Prod Efficiency 12h [%]	Prod Failed Jobs 12h	Analy Efficiency 12h [%]	Analy Failed Jobs 12h	panda prod status NEW	panda analy status NEW	DDM DA Status	DDM DP Status	DDM DT Status			
AGLT2	T2D	US	ACTIVE	88				online	online	online	online	online				
AM-04-YERPHI	T3	NL	ACTIVE	0				online	brokeroff	online	online	blocklisted				
ANLASC	n/a	n/a	n/a	0				n/a	n/a	n/a	n/a	n/a				
Australia-ATLAS	T2	CA	ACTIVE	100				online	online	online	online	online				
BEIJING-LCG2	T2D	FR	ACTIVE	100	100	no-test	100	100	1	86	2	online	offline	online	online	online
BELLARMINI-ATLAS-T3	n/a	n/a	n/a	0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
BNL-ATLAS	T1	US	ACTIVE	88	100	100	100	88	87	84	2879	online	online	online	online	online
BU-ATLAS-Tier2	T2D	US	ACTIVE	97	100	100	100	91	123	84	379	online	online	online	online	online
CA-ALBERTA-WESTGRID-T2	T2	CA	ACTIVE	80	n/a	no-test	no-test	97	8	86	148	online	online	online	online	online
CA-MCGILL-CLUMEQ-T2	T2	CA	ACTIVE	100	100	no-test	no-test	100	2	84	88	online	online	online	online	online
CA-SCINET-T2	T2D	CA	ACTIVE	100	100	100	100	97	22	83	113	online	online	online	online	blocklisted
CA-VICTORIA-WESTGRID-T2	T2D	CA	ACTIVE	100	100	no-test	no-test	98	3	88	13	online	online	online	online	online
CERN-CMSTEST	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	no data	no data	no data	n/a	n/a	n/a	n/a	n/a
CERN-PROD	T0	CERN	ACTIVE	88	83	100	100	88	317	82	784	online	online	NoDDM	NoDDM	NoDDM
CHARMM	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	no data	no data	no data	n/a	n/a	n/a	n/a	n/a
CSCS-LCG2	T2D	DE	ACTIVE	87	100	100	100	100	0	86	343	online	online	online	online	online
csTCDie	T3	NL	SG-DOWN	0	100	no-test	no-test	no data	no data	no data	no data	offline	offline	blocklisted	blocklisted	blocklisted
CERN-PROD	T0	CERN	ACTIVE	88	83	100	100	88	317	82	784	online	online	NoDDM	NoDDM	NoDDM
DESY-HH	T2D	DE	ACTIVE	86	100	100	100	100	2	80	430	online	online	online	online	online
DESY-ZN	T2D	DE	ACTIVE	86	100	100	100	100	0	89	926	online	online	online	online	online

# Site Status: cloud view

<http://dashb-atlas-ssb.cern.ch/dashboard/request.py/siteview#currentView=Cloud&highlight=false>

Click on the sell to open page with detailed view

Click icon indicates that data is outdated

Click on the header

- left click: history plots
- right click: column info

**Status of Downtime**  
24 Hours from 2012-10-21 11:58:2012-10-21 11:58

**Column Info**  
Column Name: Downtime  
Column Description: List of downtimes by AGIS for COMPT activity  
Column Description Long: List of downtimes by AGIS for COMPT activity  
Column Responsibility: atlas-ssb-operations@cern.ch  
Column Unit: none  
Column Group: none  
Column Critical: none  
Display Type: none  
Legend information:  
- active  
- scheduled downtime  
- downtime  
- downtime

Site Status for the ATLAS sites, v0.2.0 rc4

Site Name	Tier	Cloud	Downtime	DDM DT - Status	Panda Analysis status	Panda Production status	Panda Efficiency						SRM SAM 12 [%]	CE SAM 12	Squid Functions Tests (SAM)
							Analy Activated Jobs	Analy Running Jobs	Analy Efficiency 12h [%]	Prod Activated Jobs	Prod Running Jobs	Prod Efficiency 12h [%]			
AM-04-YERPHI	T3	NL	ACTIVE	blacklisted	brokeroff	online	no data	no data	no data	0	10	100	0	100	n/a
IL-TAU-HEP	T2	NL	ACTIVE	blacklisted	online	test	5	3	60	no data	no data	no data	72	100	n/a
IPEP	T2	NL	ACTIVE	online	NoQueue	online	no data	no data	no data	0	1	100	100	100	n/a
JINR-LCG2	T2D	NL	ACTIVE	online	online	online	582	75	87	0	9	100	100	100	n/a
NIKHEF-ELPROD	T1	NL	ACTIVE	blacklisted	online	online	121	0	73	2387	1764	100	66	100	n/a
RRC-KI	T2D	NL	ACTIVE	online	online	online	0	110	100	98	42	100	100	100	n/a
ru-PNPI	T2	NL	ACTIVE	online	NoQueue	online	no data	no data	no data	32	62	100	100	100	n/a
SARA-MATRIX	T1	NL	ACTIVE	online	online	online	4398	62	81	778	1211	96	100	100	n/a
TECHNION-HEP	T2	NL	ACTIVE	online	online	online	no data	no data	no data	no data	no data	no data	88	100	n/a
TR-10-ULAKBIM	T2	NL	ACTIVE	online	online	test	3	2	88	6	0	65	100	78	n/a
WEIZMANN-LCG2	T2	NL	ACTIVE	online	online	online	0	32	87	4	7	86	88	100	n/a
ru-Moscow-FIAN-LCG2	T2	NL	ACTIVE	online	NoQueue	online	no data	no data	no data	16	88	100	100	100	n/a
ru-Moscow-SINP-LCG2	T2	NL	ACTIVE	online	NoQueue	test	no data	no data	no data	no data	no data	no data	0	90	n/a
RU-Protvino-IHEP	T2D	NL	ACTIVE	online	online	online	428	126	83	5	120	93	0	100	n/a

Showing 1 to 14 of 14 entries DB query took 0.1009 s

First Previous 1 Next Last



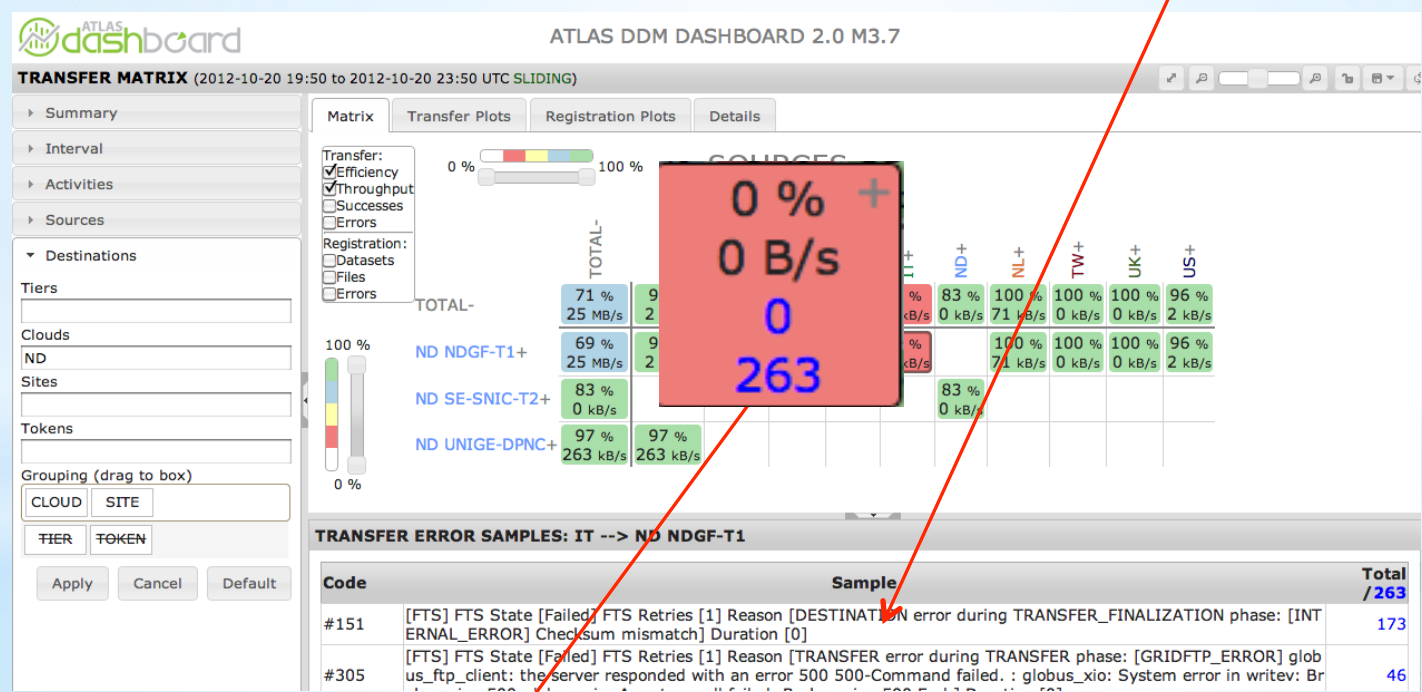
# ✓ Monitor data distribution status and progress with DDM dashboard

## (Distributed Data Management)

<http://dashb-atlas-data.cern.ch/dashboard/ddm2/>

- ❑ Monitor transfers, find failures
- ❑ Go from global view to more detailed

problem in NDGF-T1

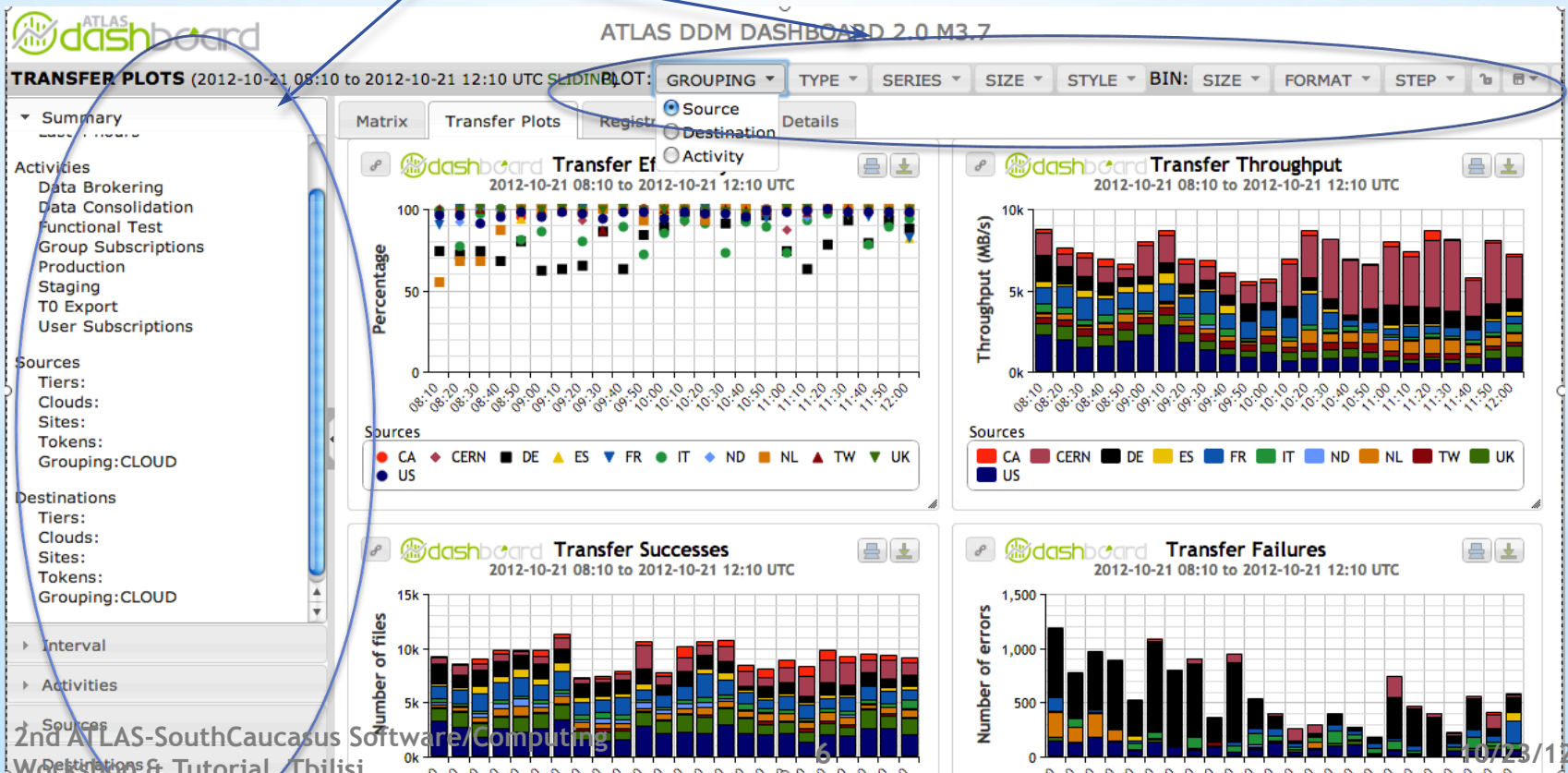


Click on the error number to open the error logs

# DDM transfer plots

[http://dashb-atlas-data.cern.ch/dashboard/ddm2/#tab=transfer\\_plots](http://dashb-atlas-data.cern.ch/dashboard/ddm2/#tab=transfer_plots)

filtering, grouping ... possibilities



# ✓ Check how Functional tests (FT) are going on

[http://atladcops.cern.ch/drmon/ftmon\\_T1-T2\\_matrix\\_day.html](http://atladcops.cern.ch/drmon/ftmon_T1-T2_matrix_day.html)

## Functional Tests monitoring page (generated on 2012-10-21 15:00:08 CERN)

[TIER1S](#) [TIER2S](#) [T1-T1](#) [TiersInfo](#) [T1-T2 \(last 24h\)](#) [T1-T2 \(all period\)](#) see also: [ [FT](#) | [MC](#) | [DATA](#) | [REPRO](#) | [FT:time stats](#) | [MC:time stats](#) | [DATA:time stats](#) | [ReproDS:time stats](#) ]

This page shows datasets files transfer statistics from **TIER1** to **TIER2/TIER3** for last 24 hours (20 Oct 13:00 - 21 Oct 13:00).

- subscribed \* subscription only, no one files transferred
- transfer \* < 50% files successfully transferred
- 50% transfer \* from 50% to 90% files successfully transferred
- 90% transfer \* from 90% to 95% files successfully transferred
- 95% transfer \* more than 95% files successfully transferred
- complete \* all files successfully transferred
- suspect \* number of transferred files more than total subscribed one

Last subscription: 21 Oct 12:30:26 | Last FC checked: 21 Oct 12:52:04 | Last transfer: 21 Oct 12:45:42

<b>CA</b>	ANASALIA-ATLAS (30/30)	CA-ALBERTA-WESTGRID-IT (85/85)	CA-MCGILL-CLUMACS-T2 (30/30)	CA-SCHNITZER (250/250)	CA-VICTORIA-WESTGRID-IT (115/115)	SFU-LCG2 (110/110)														
<b>DE</b>	CMS-LCG2 (70/70)	CYTHRINE-LCG2 (70/70)	DESY-HI (280/280)	DESY-ZN (300/300)	GoGrid (70/69)	BIBBY-LIBIC (55/55)	LRZ-LMU (70/70)	MPEMU (70/70)	PSNC (5/4)	TUDwuecke-ZIH (5/5)	UNI-ROSN (5/0)	UNI-FREIBURG (70/69)	manche2 (25/25)	wupperland (70/70)						
<b>ES</b>	IFA-UITSM (5/5)	IPC-LCG2 (230/230)	IFU-Legoo (35/35)	ICC-INSTITUT-PT (30/30)	UAM-LCG2 (120/120)	ife (120/120)														
<b>FR</b>	BEHANG-LCG2 (55/55)	GRID-JRNU (145/145)	GRID-LAL (135/135)	GRID-EPHE (140/140)	IN2P3-CERN (55/55)	IN2P3-LAP (80/80)	IN2P3-LAC (80/80)	IN2P3-LPSC (25/25)	IO-02-NIPHE (25/25)	IO-07-NIPHE (20/0)	IO-16-TUM (5/5)	IO-16-UAMC (5/5)	TOKYO-LCG2 (140/135)							
<b>IT</b>	GR-01-AUIF (5/5)	INFN-BOLOGNA-IB (3/5)	INFN-COSENZA (3/5)	INFN-FRANCATI (55/55)	INFN-GENOVA (5/5)	INFN-LICC2 (5/5)	INFN-MILANO-ATLAS (160/160)	INFN-MARQUE-ATLAS (160/160)	INFN-PAVIA (5/5)	INFN-ROMA1 (160/159)	INFN-ROMA3 (3/5)	INFN-TRENTE (5/5)	ZA-LI (5/0)	ZA-WTS-COBE (5/5)						
<b>ND</b>	SE-SNIC-IT (60/44)																			
<b>NL</b>	AM-04-HEPH (5/5)	IL-TAU-HEP (35/0)	UUP (5/5)	JINR-LCG2 (150/150)	RBC-RI (370/370)	RU-Preon-HEP (135/135)	TECHNION-HEP (35/15)	TB-02-UL-ATLAS (35/35)	WEIZMANN-LCG2 (35/0)	ru-Moscow-TAN-LCG2 (75/75)	ru-Moscow-SMP-LCG2 (5/5)	ru-JINR (110/110)								
<b>UK</b>	UK-LATZ-Binnar (5/5)	UK-LATZ-OMU (95/95)	UK-LATZ-RBUL (5/5)	UK-LATZ-UCS-HEP (25/25)	UK-NORTHGRID-LANC-HEP (165/165)	UK-NORTHGRID-LIV-HEP (70/70)	UK-NORTHGRID-MAN-HEP (90/90)	UK-NORTHGRID-SHEP-HEP (25/25)	UK-SCOTTGRID-DURHAM (5/5)	UK-SCOTTGRID-BCCP (30/30)	UK-SCOTTGRID-GLASGOW (240/240)	UK-SOUTHGRID-BHAM-HEP (25/25)	UK-SOUTHGRID-CAM-HEP (25/25)	UK-SOUTHGRID-OX-HEP (70/70)	UK-SOUTHGRID-RALPP (120/120)					
<b>US</b>	AGL-IT (140/140)	RU-ATLAS-Tier2 (185/185)	Imon-HEP (140/140)	MVIT2 (140/0)	OU-OCHEP-SWP2 (25/25)	SWP2-CPS (185/185)	WISC-ATLAS (5/5)	WT2 (190/190)												

created by [Alexey Anisyonkov](#). Any comments or suggestions? please send to [email](#)

### 2nd ATLAS-SouthCaucasus Software/Computing

- Validate the site capability of successfully executing user and production jobs
- FT results are collected and used to evaluate site performances (problematic sites are excluded from the PanDA brokerage system)

# ✓ Look on Software installation validation monitor

Could be accessed from "SW\_critical" view of SSB

- [http://dashb-atlas-sb.cern.ch/dashboard/request.py/siteview#currentView=SW\\_critical&highlight=false](http://dashb-atlas-sb.cern.ch/dashboard/request.py/siteview#currentView=SW_critical&highlight=false)

The screenshot shows the ATLAS software deployment status dashboard. The top navigation bar includes "Help", "Login", and "Register for site notifications". The main content area displays a table of sites with columns for "Site Name" and "SW releases - critical". The table lists various sites such as AGLT2, AM-04-YERPHI, Australia-ATLAS, BEIJING-CG2, BINL-ATLAS, BU\_ATLAS\_Tier2, CA-ALBERTA-WESTGRID-T2, CA-MCGILL-CLUMEQ-T2, CA-SCINET-T2, CA-VICTORIA-WESTGRID-T2, CERN-PROD, CSCS-CG2, CYFRONET-CG2, DESY-HH, DESY-ZN, EELA-UTFSM, FZK-CG2, GoGhd, GR-01-AUTH, GRIF-IRFU, GRIF-LAL, and GRIF-LPWE. The release dates range from 1901/08 to 2172/10. The bottom of the dashboard features a footer with the text "2nd ATLAS SouthCaucasus Software/Computing Workshop & Tutorial. Tbilisi".

The screenshot shows a detailed view of the ATLAS software deployment status dashboard. The title is "ATLAS software deployment status". The table has columns for "Num", "Release number", "Site name", "Release arch", "FS type", "Site CE", "Status", "Comments", "Date", and "Installer". The table lists various sites and their software releases, with columns for "Num", "Release number", "Site name", "Release arch", "FS type", "Site CE", "Status", "Comments", "Date", and "Installer". The table is filtered to show "SW\_critical" releases. The status column indicates the deployment status of each release, with green indicating successful deployment and red indicating failure. The table is sorted by "Date" in descending order.

Num	Release number	Site name	Release arch	FS type	Site CE	Status	Comments	Date	Installer
1	1901-08	AGLT2	amd64_gnu4	tar.gz	cern.ch	Success		2011-08-14 14:14:00	atlas@cern.ch
2	1901-08	AM-04-YERPHI	amd64_gnu4	tar.gz	cern.ch	Success		2011-08-14 14:14:00	atlas@cern.ch
3	1901-08	Australia-ATLAS	amd64_gnu4	tar.gz	cern.ch	Success		2011-08-14 14:14:00	atlas@cern.ch
4	1901-08	BEIJING-CG2	amd64_gnu4	tar.gz	cern.ch	Success		2011-08-14 14:14:00	atlas@cern.ch
5	1901-08	BINL-ATLAS	amd64_gnu4	tar.gz	cern.ch	Success		2011-08-14 14:14:00	atlas@cern.ch
6	1901-08	BU_ATLAS_Tier2	amd64_gnu4	tar.gz	cern.ch	Success		2011-08-14 14:14:00	atlas@cern.ch
7	1901-08	CA-ALBERTA-WESTGRID-T2	amd64_gnu4	tar.gz	cern.ch	Success		2011-08-14 14:14:00	atlas@cern.ch
8	1901-08	CA-MCGILL-CLUMEQ-T2	amd64_gnu4	tar.gz	cern.ch	Success		2011-08-14 14:14:00	atlas@cern.ch
9	1901-08	CA-SCINET-T2	amd64_gnu4	tar.gz	cern.ch	Success		2011-08-14 14:14:00	atlas@cern.ch
10	1901-08	CA-VICTORIA-WESTGRID-T2	amd64_gnu4	tar.gz	cern.ch	Success		2011-08-14 14:14:00	atlas@cern.ch
11	1901-08	CERN-PROD	amd64_gnu4	tar.gz	cern.ch	Success		2011-08-14 14:14:00	atlas@cern.ch
12	1901-08	CSCS-CG2	amd64_gnu4	tar.gz	cern.ch	Success		2011-08-14 14:14:00	atlas@cern.ch
13	1901-08	CYFRONET-CG2	amd64_gnu4	tar.gz	cern.ch	Success		2011-08-14 14:14:00	atlas@cern.ch
14	1901-08	DESY-HH	amd64_gnu4	tar.gz	cern.ch	Success		2011-08-14 14:14:00	atlas@cern.ch
15	1901-08	DESY-ZN	amd64_gnu4	tar.gz	cern.ch	Success		2011-08-14 14:14:00	atlas@cern.ch
16	1901-08	EELA-UTFSM	amd64_gnu4	tar.gz	cern.ch	Success		2011-08-14 14:14:00	atlas@cern.ch
17	1901-08	FZK-CG2	amd64_gnu4	tar.gz	cern.ch	Success		2011-08-14 14:14:00	atlas@cern.ch
18	1901-08	GoGhd	amd64_gnu4	tar.gz	cern.ch	Success		2011-08-14 14:14:00	atlas@cern.ch
19	1901-08	GR-01-AUTH	amd64_gnu4	tar.gz	cern.ch	Success		2011-08-14 14:14:00	atlas@cern.ch
20	1901-08	GRIF-IRFU	amd64_gnu4	tar.gz	cern.ch	Success		2011-08-14 14:14:00	atlas@cern.ch
21	1901-08	GRIF-LAL	amd64_gnu4	tar.gz	cern.ch	Success		2011-08-14 14:14:00	atlas@cern.ch
22	1901-08	GRIF-LPWE	amd64_gnu4	tar.gz	cern.ch	Success		2011-08-14 14:14:00	atlas@cern.ch

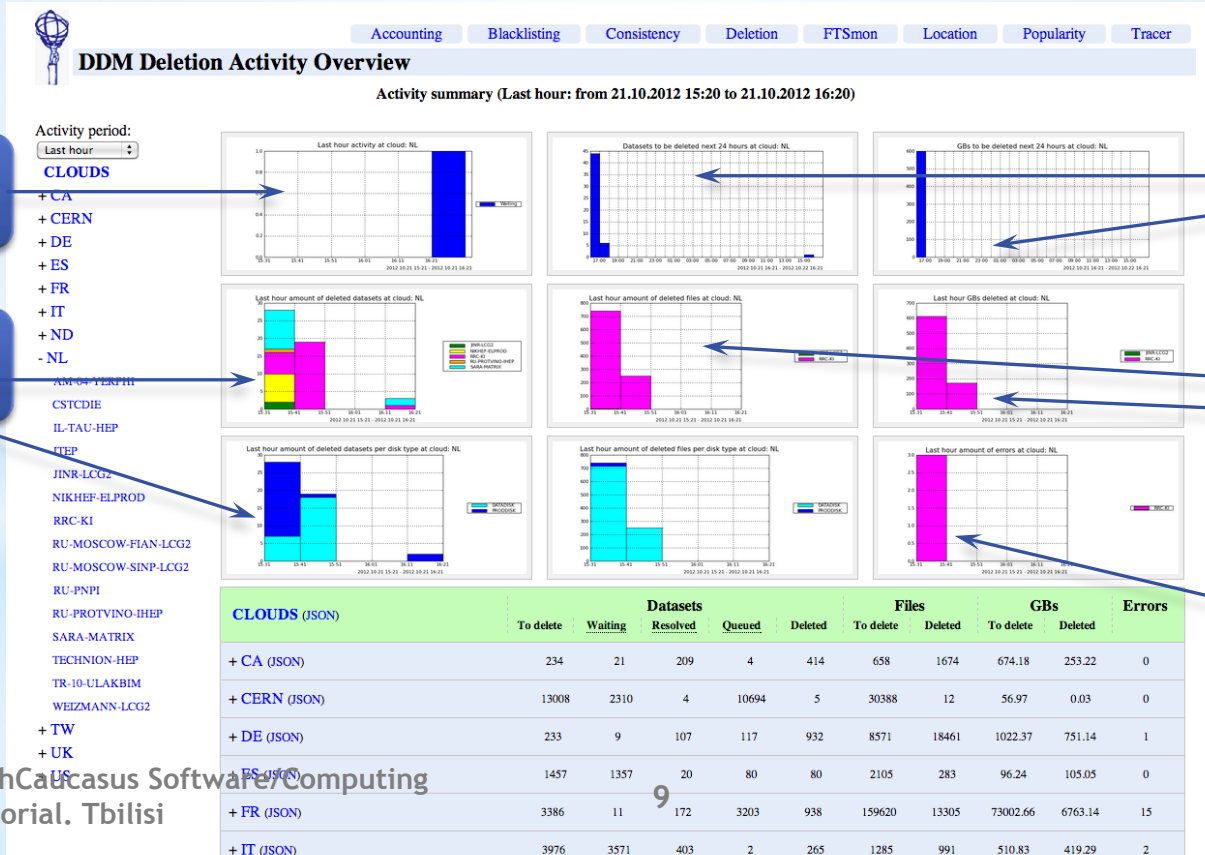


# ✓ Check data deletion on your storage using DDM deletion services UI

<http://bourricot.cern.ch/dq2/deletion/>

DDM deletion service provides live graphical statistical reports about deletion process

## Deletion activity overview (NL cloud)





# ✓ Use PanDA monitor (Production and Distributed Analysis)

<http://panda.cern.ch>

[Production](#) [Clouds](#) [Incidents](#) [DDM](#) [PandaMover](#) [AutoPilot](#) [Sites](#) [Releases](#) [Analysis](#) [Stats](#) [Users](#) [Physics data](#) [ProdDash](#) [DDMDash](#) [SSB](#)

## Quick guide to the Panda monitor

For Panda documentation and information on support and problem reporting see the [Panda info and user support](#) page.

### Monitor instances

[CERN](#): Primary production monitor at CERN

[NEW](#): Experimental monitor at CERN

[CLOUD](#): Experimental monitor at [EC2](#)

### Top bar

**Production:** Panda Production Operations Dashboard. Summary of Panda production status

**Clouds:** Organization and task assignment of clouds (Tier 1 + Tier 2/3s) processing Panda jobs

**DDM:** Summary of DDM systems information and tools

**PandaMover:** Panda DQ2 dataset mover status. Monitors Panda jobs that replicate datasets using dq2-cr.

**AutoPilot:** Pilot submission system serving all of OSG and LCG

**Sites:** Collection of grid-wide and site-level monitoring links

**Analysis:** Information on Panda-based analysis using pathena

**Physics data:** ATLAS data discovery and access info and tools for physicists

**Usage:** CPU usage by user

**ProdDash:** Link to the ARDA ATLAS production dashboard

**DDMDash:** Link to the ARDA ATLAS DDM dashboard

**List users:** On extreme right, lists Panda users and gives access to 'your' Panda page



# Dashboard Production monitor (task centric monitoring)

http://dashb-atlas-task.cern.ch/templates/task-prod/

- Define time/time range
- Select site
- click to submit

The result page:  
List of all tasks running on the selected site during defined time

Graphical representation of job statuses

Click to open Summary plots

The dashboard interface includes a top navigation bar with 'Filters', 'Setups', and 'Help' menus. Below this is a 'Time Range' section with 'From' and 'Till' fields, and a 'Task properties' section with dropdowns for 'Task status', 'Task type', 'Working group', and 'Activity'. A 'Location' section shows 'Site' as '1 of 451 selected' and 'Destination cloud' as 'Off'. A 'Submit' button is located below these sections.

The main content area features a 'Task level information' table with columns: Graphical, TaskName, TaskID, Activity, TaskType, WorkingGroup, DestCloud, TASKPRIORITY, Duration, Status, JMaxAttReach, HATNr, ProcTime, NEvents, PFail, PDone, NExp, NTotal, Done, and Aborted. The table lists several tasks, all with a 'FINISHED' status.

Below the table, a detailed view for a specific task is shown, including metadata like 'TaskName', 'TaskMonitorId', and 'TaskCreatedTimeStamp'. It also contains two charts: 'Job Evolution Daily' (a bar chart showing job counts over time) and 'Job Evolution Cumulative Plot' (a line chart showing the cumulative number of jobs over time).

At the bottom, there are sections for 'Distribution of attempt number by jobs', 'Current Error Summary', 'Distribution of processing time per event', and 'Total Error Summary', each with a 'Click to load chart' button. A summary table at the very bottom shows metrics for 'TaskBuffer', 'Supervisor', 'JobDispatcher', 'Transformation', 'Pilot', 'DDM', 'BrokerAge', and 'Execution'.





# ✓ Check job accounting data using Historical Views

<http://dashb-atlas-job.cern.ch/dashboard/request.py/dailysummary>

**ATLAS dashboard** HISTORICAL VIEWS v2.2.0\_rc166

**DEFINE PARAMETERS**

Select T3s: [dropdown] Select Countries: [dropdown] Select Groups: [dropdown] Select Datatypes: [dropdown] Select Projects: [dropdown] Select Destination Clouds: [dropdown] Select Activities: [dropdown] Last Month: [dropdown] Daily: [dropdown] All: [dropdown] Group by Sites: [dropdown]

**PLOTTING CATEGORY**

- Completed, Submitted, Pending, Running Jobs
- CPU Consumption
- CPU Efficiency
- Processed Data
- Success/Failures**
- Activities at the Site
- Parallel Running Jobs
- Resource Utilisation

**CHOSEN PARAMETERS**

Sites: AM-04-YERPHI  
 Category of Sites: All Countries  
 Groups: all  
 Datatypes: all  
 Projects: all  
 Destination Clouds: all  
 Activities: all  
 Time Range: Last Month  
 Granularity: Daily  
 Series: All  
 Group by: Sites

[Report a bug or a suggestion](#)

**Number of Successful and Failed Jobs - Time Stacked Bar Graph** (links to data in different formats)

**Number of Successful and Failed Jobs - Pie Graph** (links to data in different formats)

**Efficiency based on success/all accomplished jobs** (links to data in different formats)

**Efficiency over time based on success/all accomplished jobs** (links to data in different formats)

**WallClock Consumption of Successful and Failed Jobs - Time Stacked Bar Graph** (links to data in different formats)

**WallClock Consumption of Successful and Failed Jobs - Pie Graph** (links to data in different formats)

**WallClock Efficiency based on success/all accomplished jobs** (links to data in different formats)

**WallClock Efficiency over time based on success/all accomplished jobs** (links to data in different formats)

**Average Efficiency based on success/all accomplished jobs**

**Average WallClock Efficiency based on success/all accomplished jobs**

**Panda Failures by Category - Time Stacked Bar Graph**

**Panda Failures by Category - Pie Graph**

Check how much your jobs succeed or failed using 'Success/Failure' plotting

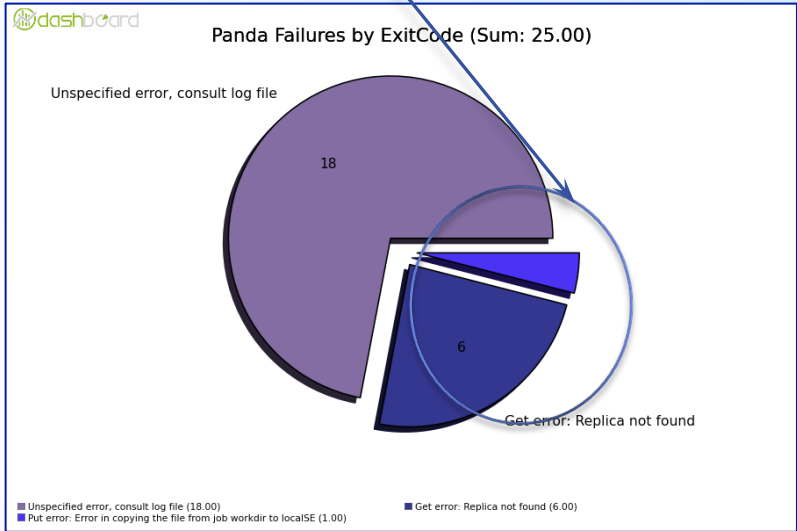
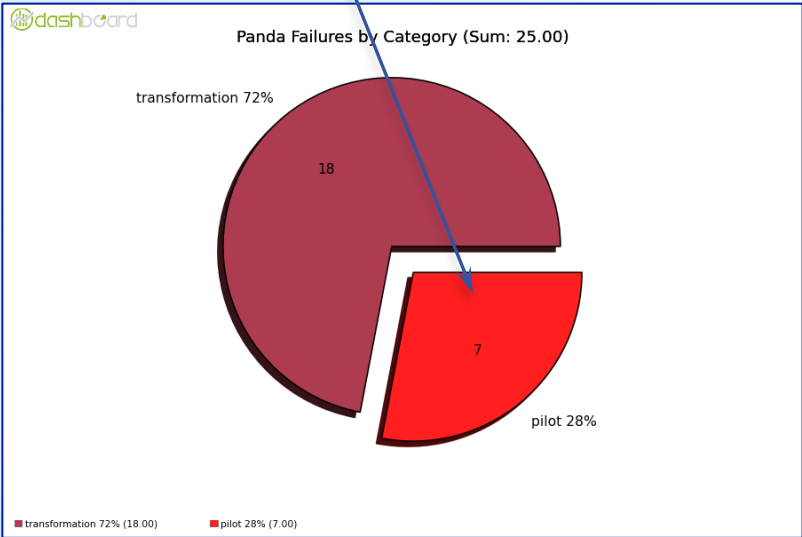
Data is available in machine readable format via direct links  
Click on the header and choose a link



# ✓ Check why jobs were failed (Historical Views web UI)

Check transfer errors details from DDM dashboard to find a reason of this failure

Replica files were deleted after storage upgrade



# ✓ Look SAM/Nagios test results on **SUM** (Site Usability Monitor)

<http://dashb-atlas-sum.cern.ch/>

The screenshot shows the SUM visualization interface. At the top, it says 'ATLAS dash board' and 'SUM VISUALIZATION | ATLAS Site Usability Monitor v0.3.0\_rc40'. Below this are navigation tabs: 'VO view' (with sub-tabs 'Latest Results' and 'Historical View'), 'Feedback', 'Help', and 'Bugs'. The main content area is divided into three columns: 'Site-Groups' (showing 'ATLAS\_Cloud\_NL'), 'Profiles' (showing 'ATLAS\_CRITICAL'), and 'Metric Exit Status' (with a legend for OK, WARNING, CRITICAL, UNKNOWN, MISSING, REMOVED, NA). Below these are three lists: 'Sites' (including AM-04-YERPHI, csTCDie, etc.), 'Service Flavours' (including All Service Flavours, All CE flavours, etc.), and 'Metrics' (including org.atlas.WN-swspace, org.atlas.WN-swtag, etc.). There are checkboxes for 'Show Disabled Flavours' and 'Show Disabled Metrics'.

## Algorithm for calculating the Site and Service Availability

### Legends for Metric Result Status

Status:	NA	OK	WARNING	CRITICAL	UNKNOWN	MISSING	MAINTENANCE	REMOVED
Legend:	NA	OK	W	C	U	M	MT	RM

Note: brightest colors: test is 0 - 12 hours old, ... lightest colors: test is more than 12 hours old

### Legends for Metric Names

Legend	Metric Name	Legend	Metric Name	Legend	Metric Name	Legend	Metric Name	Legend	Metric Name
1	org.atlas.SRM-VODEl	2	org.atlas.SRM-VODEl	3	org.atlas.SRM-VOGet	4	org.atlas.SRM-VOGet	5	org.atlas.SRM-VOPut
6	org.atlas.SRM-VOPut	7	org.atlas.WN-swspace	8	org.atlas.WN-swspace	9	org.atlas.WN-swtag	10	org.atlas.WN-swtag
11	org.sam.CE-JobSubmit	12	org.sam.CE-JobSubmit	13	org.sam.CREAMCE-JobSubmit				

### Link to data

Sitename	Flavour	Hosts	7	9	13
AM-04-YERPHI	CREAM-CE	ce.yerphi-cluster.grid.am	OK	OK	OK
			1	3	5
	SRMv2	se.yerphi-cluster.grid.am	U	OK	OK

# ✓ Check Frontier/Squid using SSB

[http://dashb-atlas-ssb.com.ch/dashboard/request.py/siteview/currentView=Frontier\\_Squid&highlight=false](http://dashb-atlas-ssb.com.ch/dashboard/request.py/siteview/currentView=Frontier_Squid&highlight=false)

Help Login Register for site notifications Site Status for the ATLAS sites, v0.2.0\_rc4

ATLAS dashboard Index Expanded Table

Show 200 entries Copy Print Save view: Frontier\_Squid Search...

Site Name	Frontier	frontier-squid
AGLT2	n/a	OK
AM-04-YERPHI	n/a	OK
Australia-ATLAS	n/a	OK
BEIJING-LCG2	n/a	OK
BNL-ATLAS	100	OK
BU_ATLAS_Tier2	n/a	OK
CA-ALBERTA-WESTGRID-T2	n/a	OK
CA-MCGILL-CLUMEQ-T2	n/a	OK
CA-SCINET-T2	n/a	OK
CA-VICTORIA-WESTGRID-T2	n/a	OK
CERN-PROD	100	OK
CERN-T0	100	n/a
CSCS-LCG2	n/a	OK
csTCDie	n/a	OK
CYFRONET-LCG2	n/a	OK
DESY-HH	n/a	OK
DESY-ZN	n/a	OK
EELA-UTFSM	n/a	OK
FZK-LCG2	100	OK
GoeGrid	n/a	NotAvailable
GR-01-AUTH	n/a	NotAvailable
HEPHY-UIBK	n/a	OK

Showing 1 to 87 of 87 entries DB query took 0.0078 s First Previous 1 Next Last



# ADC Monitoring

## Data Management

 Central Deletion Monitoring	 Data Replication	 Data Replication Details	 Dataset Popularity	 Dataset Recovery Service	 DDM Accounting Prototype	 DDM Dashboard	 DDM Dashboard 2.0	 WLCG Transfers Dashboard	 Functional Tests
 Functional Tests Details	 Single File Transfer Monitoring	 Storage Accounting	 Storage Monitoring	 T1 Storage Space					

## Data Processing

 AKTR	 Historical Views Dashboard	 Historical Views (BETA)	 Job Summary Dashboard	 PAnDA Monitor Analysis	 PAnDA Monitor Production	 ProdSys Dashboard	 ProdSys Dashboard (BETA)	 User Task Dashboard
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## Databases

 DB dashboard	 Frontier AWSTAT	 Frontier SLS	 Squid
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## Point 1

 contZole Tier-0	 Detector Operation
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## Sites and Services

 AGIS	 Hammercloud	 Pilot factory	 SLS Central Services	 SLS Services for ATLAS	 Site Status Board	 SUM Visualization
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## Miscellaneous

 Savannah	 TWiki
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Contact:atlas-adc-monitoring(at)cern.ch Features/Bugs:Savannah

# Documentation

SquadHowTo TWiki

- <https://twiki.cern.ch/twiki/bin/view/Atlas/SquadHowTo>

ADCoS Twiki

- <https://twiki.cern.ch/twiki/bin/viewauth/Atlas/ADCoS>



# Acknowledgement

Many thanks to D.Barberis, D. Benjamin, J. Schovancova, I. Ueda, for help, comments, suggestions during making this presentation.