



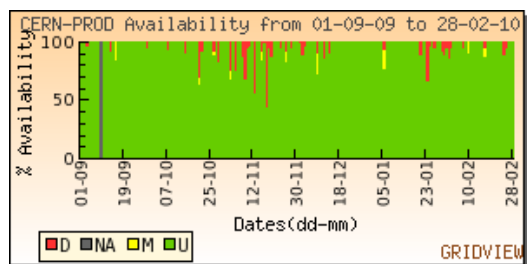
Availability of WLCG Tier-1 Sites + CERN for ATLAS

September 2009 - February 2010

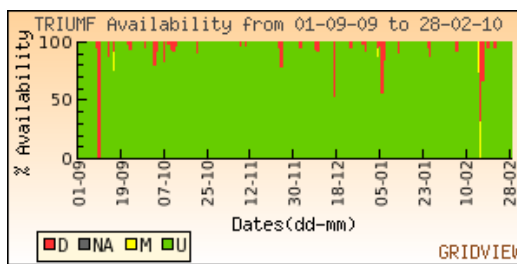
Data from SAM and Gridview Plots show Availability for last 6 Months

Availability is calculated as $\text{uptime} / (\text{total_time} - \text{time_status_was_UNKNOWN})$

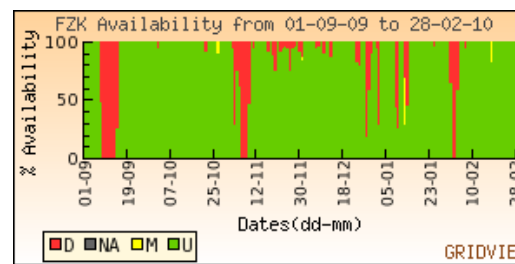
Target reliability for each site is 97 % and Target for 8 best sites is 98 % from January, 2009



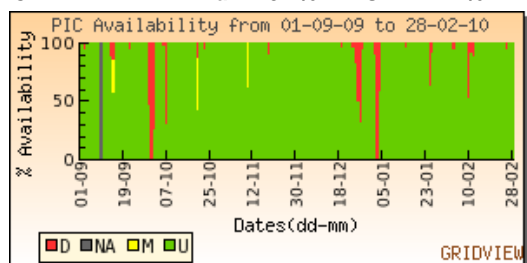
CERN Avail : 97 % Unkn : 2 %



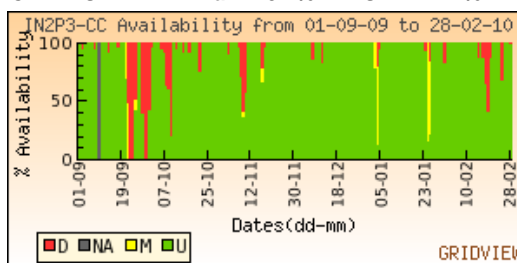
CA-TRIUMF Avail : 97 % Unkn : 2 %



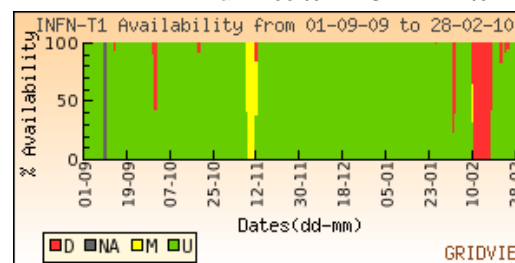
DE-KIT Avail : 88 % Unkn : 1 %



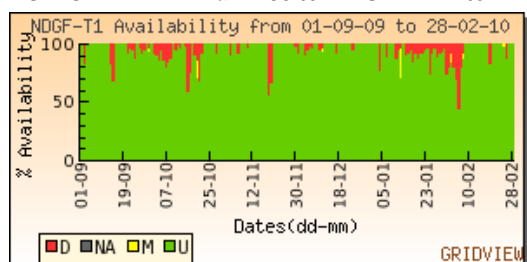
ES-PIC Avail : 95 % Unkn : 2 %



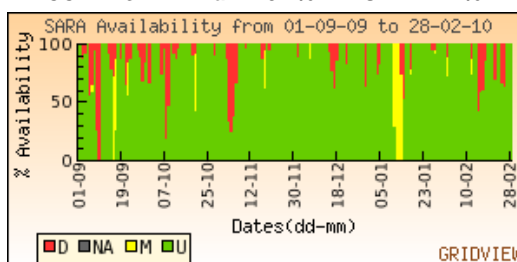
FR-CCIN2P3 Avail : 91 % Unkn : 2 %



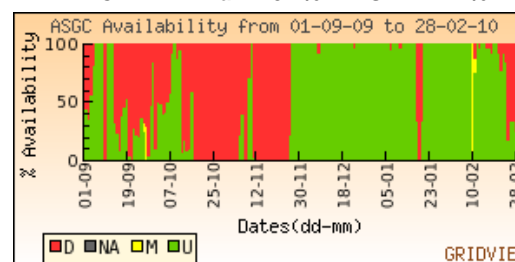
IT-INFN-CNAF Avail : 92 % Unkn : 2 %



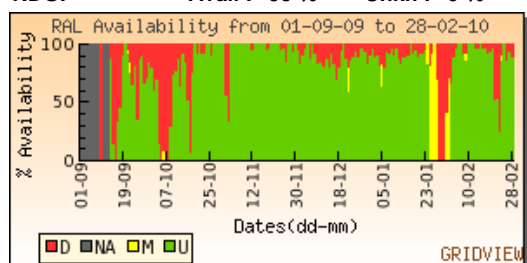
NDGF Avail : 95 % Unkn : 0 %



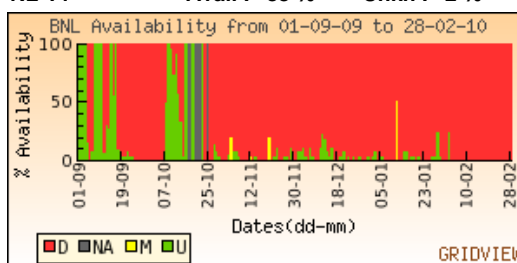
NL-T1 Avail : 88 % Unkn : 2 %



TW-ASGC Avail : 62 % Unkn : 2 %



UK-T1-RAL Avail : 79 % Unkn : 8 %



US-T1-BNL Avail : 7 % Unkn : 15 %



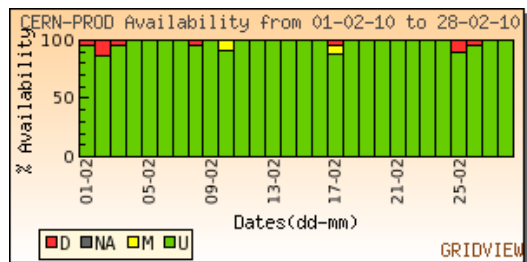
Availability of WLCG Tier-1 Sites + CERN for ATLAS

February 2010

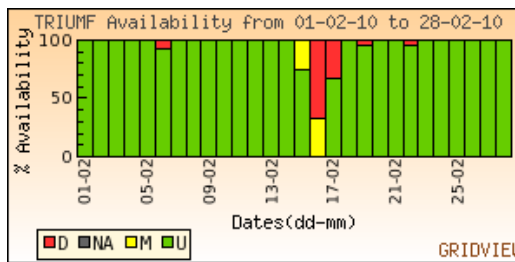
Data from SAM and Gridview

Availability is calculated as $\text{uptime} / (\text{total_time} - \text{time_status_was_UNKNOWN})$

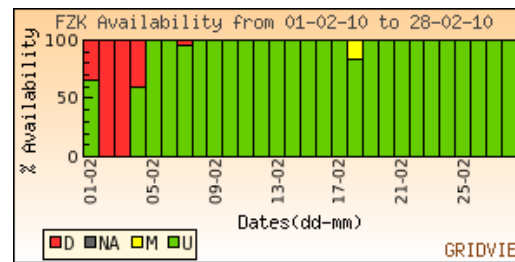
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



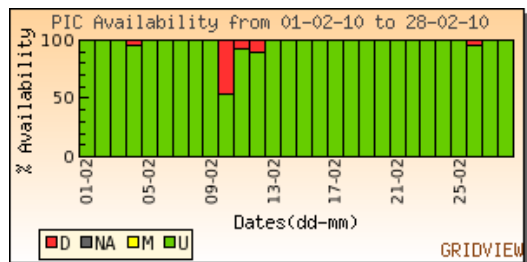
CERN Avail : 98 % Unkn : 0 %



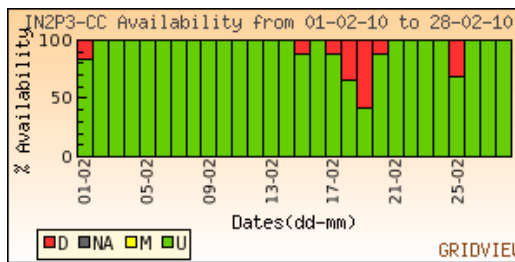
CA-TRIUMF Avail : 94 % Unkn : 0 %



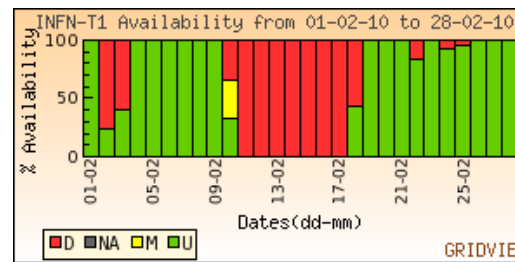
DE-KIT Avail : 89 % Unkn : 0 %



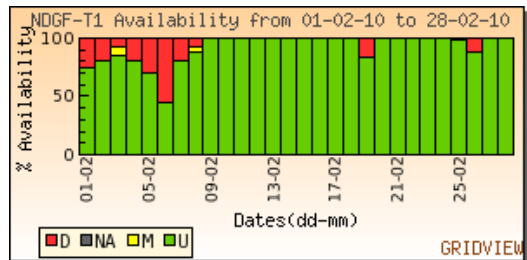
ES-PIC Avail : 97 % Unkn : 0 %



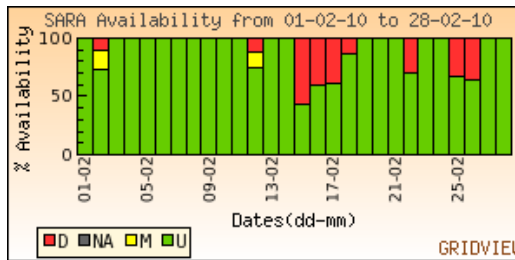
FR-CCIN2P3 Avail : 94 % Unkn : 0 %



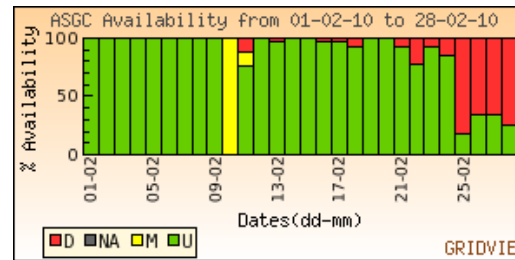
IT-INFN-CNAF Avail : 65 % Unkn : 0 %



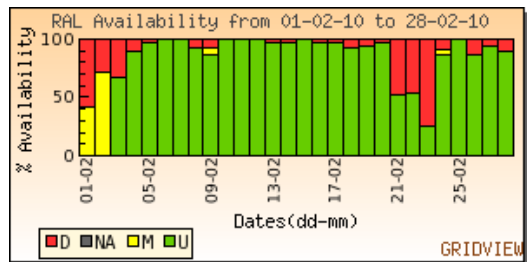
NDGF Avail : 92 % Unkn : 0 %



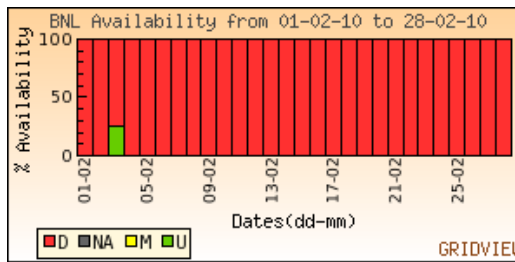
NL-T1 Avail : 89 % Unkn : 0 %



TW-ASGC Avail : 83 % Unkn : 0 %



UK-T1-RAL Avail : 82 % Unkn : 0 %



US-T1-BNL Avail : 1 % Unkn : 0 %



Service Availability Data for WLCG Tier-1s + CERN for ATLAS

February 2010

Data from SAM and Gridview

Reliability = uptime / (total_time - scheduled_downtime - time_status_was_UNKNOWN) **Availability** = uptime / (total_time - time_status_was_UNKNOWN)

Target reliability for each site is 97 % and Target for 8 best sites is 98 %

Availability

Colour Coding Limits :

>= TARGET: 97 %

90% OF TARGET:

87 %

Unkn : Unknown

Date	CA-TRIUMF		CERN		DE-KIT		ES-PIC		FR-CCIN2P3		IT-INFN-CNAF		NDGF		NL-T1		TW-ASGC		UK-T1-RAL		US-T1-BNL		Average	
	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn
01/02/2010	100	0	96	0	66	0	100	0	83	0	100	0	75	0	100	0	100	0	0	0	0	0	75	0
02/02/2010	100	0	87	0	0	0	100	0	100	0	24	0	81	0	73	0	100	0	0	0	0	0	60	0
03/02/2010	100	0	96	0	0	0	100	0	100	0	40	0	85	0	100	0	100	0	68	0	25	0	74	0
04/02/2010	100	0	100	0	59	0	96	0	100	0	100	0	80	0	100	0	100	0	90	0	0	0	84	0
05/02/2010	100	0	100	0	100	0	100	0	100	0	100	0	71	0	100	0	100	0	98	0	0	0	88	0
06/02/2010	92	0	100	0	100	0	100	0	100	0	100	0	44	0	100	0	100	0	100	0	0	0	85	0
07/02/2010	100	0	100	0	95	0	100	0	100	0	100	0	80	0	100	0	100	0	100	0	0	0	89	0
08/02/2010	100	0	96	0	100	0	100	0	100	0	100	0	89	0	100	0	100	0	93	0	0	0	89	0
09/02/2010	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	86	0	0	0	90	0
10/02/2010	100	0	92	0	100	0	53	0	100	0	33	0	100	0	100	0	0	0	100	0	0	0	71	0
11/02/2010	100	0	100	0	100	0	93	0	100	0	0	0	100	0	100	0	76	0	100	0	0	0	79	0
12/02/2010	100	0	100	0	100	0	90	0	100	0	0	0	100	0	74	0	100	0	100	0	0	0	79	0
13/02/2010	100	0	100	0	100	0	100	0	100	0	0	0	100	0	100	0	97	0	96	0	0	0	81	0
14/02/2010	100	0	100	0	100	0	100	0	100	0	0	0	100	0	100	0	100	0	97	0	0	0	82	0
15/02/2010	75	0	100	0	100	0	100	0	88	0	0	0	100	0	44	0	100	0	100	0	0	0	73	0
16/02/2010	0	0	100	0	100	0	100	0	100	0	0	0	100	0	60	0	96	0	97	0	0	0	68	0
17/02/2010	68	0	88	0	100	0	100	0	88	0	0	0	100	0	61	0	96	0	97	0	0	0	73	0
18/02/2010	100	0	100	0	83	0	100	0	66	0	43	0	100	0	86	0	92	0	93	0	0	0	78	0
19/02/2010	95	0	100	0	100	0	100	0	41	0	100	0	84	0	100	0	100	0	94	0	0	0	83	0
20/02/2010	100	0	100	0	100	0	100	0	87	0	100	0	100	0	100	0	100	0	97	0	0	0	90	0
21/02/2010	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	93	0	53	0	0	0	86	0
22/02/2010	96	0	100	0	100	0	100	0	100	0	84	0	100	0	70	0	77	0	54	0	0	0	80	0
23/02/2010	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	92	0	25	0	0	0	83	0
24/02/2010	100	0	100	0	100	0	100	0	100	0	92	0	100	0	100	0	85	0	86	0	0	0	88	0
25/02/2010	100	0	89	0	100	0	100	0	69	0	96	0	98	0	67	0	18	0	100	0	0	0	76	0
26/02/2010	100	0	95	0	100	0	96	0	100	0	100	0	87	0	64	0	35	0	87	0	0	0	79	0
27/02/2010	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	35	0	93	0	0	0	84	0
28/02/2010	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	25	0	90	0	0	0	83	0
Average	94	0	98	0	89	0	97	0	94	0	65	0	92	0	89	0	83	0	82	0	1	0	80	0

Average Availability for all sites: 80 %

Average Availability for 8 best sites : 92 %



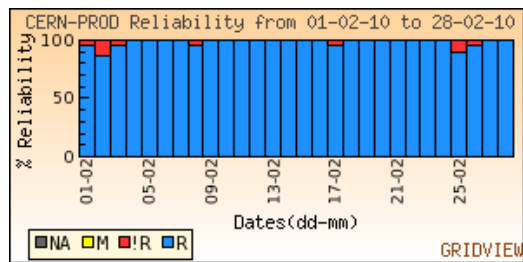
Reliability of WLCG Tier-1 Sites + CERN for ATLAS

February 2010

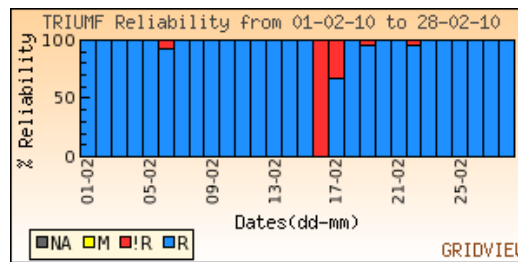
Data from SAM and Gridview

Reliability is calculated as $\text{uptime} / (\text{total_time} - \text{scheduled_downtime} - \text{time_status_was_UNKNOWN})$

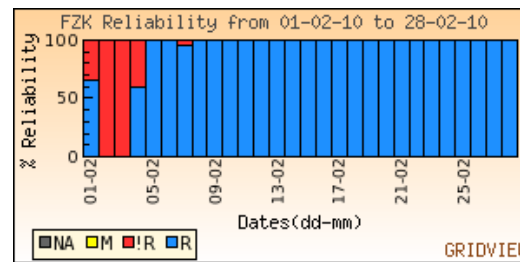
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



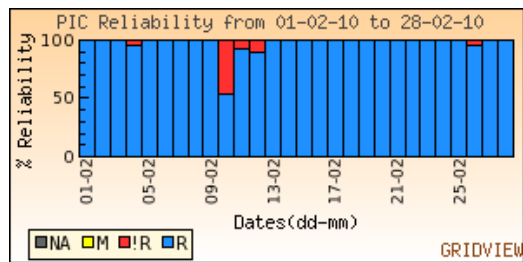
CERN Rel: 98 %



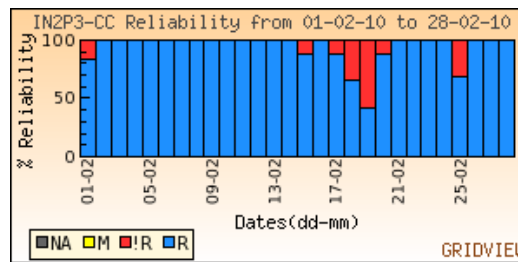
CA-TRIUMF Rel: 96 %



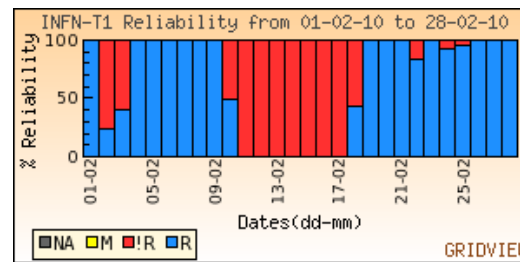
DE-KIT Rel: 90 %



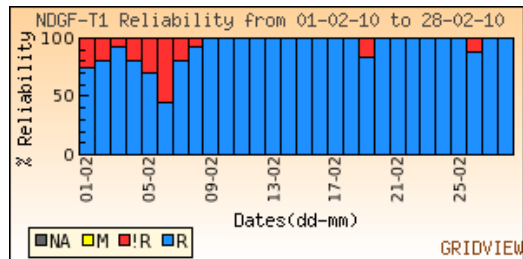
ES-PIC Rel: 97 %



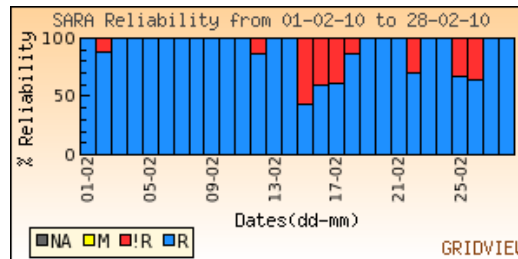
FR-CCIN2P3 Rel: 94 %



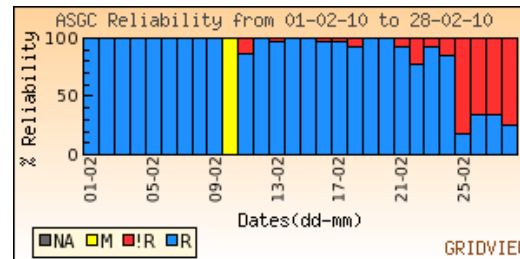
IT-INFN-CNAF Rel: 65 %



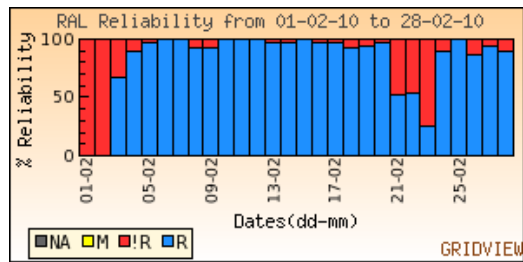
NDGF Rel: 92 %



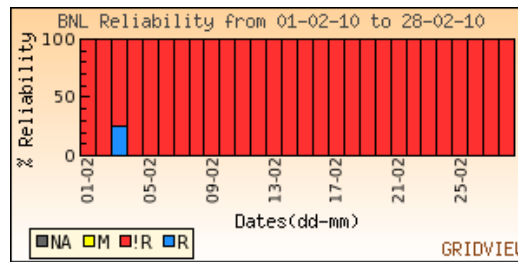
NL-T1 Rel: 90 %



TW-ASGC Rel: 86 %



UK-T1-RAL Rel: 86 %



US-T1-BNL Rel: 1 %



Service Availability Data for WLCG Tier-1s + CERN for ATLAS

February 2010

Data from SAM and Gridview

Reliability = uptime / (total_time - scheduled_downtime - time_status_was_UNKNOWN) **Availability** = uptime / (total_time - time_status_was_UNKNOWN)

Target reliability for each site is 97 % and Target for 8 best sites is 98 %

Reliability

Colour Coding Limits :

>= TARGET: 97 %

90% OF TARGET: 87 %

Date	CA-TRIUMF	CERN	DE-KIT	ES-PIC	FR-CCIN2P3	IT-INFN-CNAF	NDGF	NL-T1	TW-ASGC	UK-T1-RAL	US-T1-BNL	Average Reliability
01/02/2010	100 %	96 %	66 %	100 %	83 %	100 %	75 %	100 %	100 %	0 %	0 %	78 %
02/02/2010	100 %	87 %	0 %	100 %	100 %	24 %	81 %	88 %	100 %	0 %	0 %	66 %
03/02/2010	100 %	96 %	0 %	100 %	100 %	40 %	92 %	100 %	100 %	68 %	25 %	74 %
04/02/2010	100 %	100 %	59 %	96 %	100 %	100 %	80 %	100 %	100 %	90 %	0 %	84 %
05/02/2010	100 %	100 %	100 %	100 %	100 %	100 %	71 %	100 %	100 %	98 %	0 %	88 %
06/02/2010	92 %	100 %	100 %	100 %	100 %	100 %	44 %	100 %	100 %	100 %	0 %	85 %
07/02/2010	100 %	100 %	95 %	100 %	100 %	100 %	80 %	100 %	100 %	100 %	0 %	89 %
08/02/2010	100 %	96 %	100 %	100 %	100 %	100 %	93 %	100 %	100 %	93 %	0 %	89 %
09/02/2010	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	92 %	0 %	90 %
10/02/2010	100 %	100 %	100 %	53 %	100 %	49 %	100 %	100 %	N/A	100 %	0 %	81 %
11/02/2010	100 %	100 %	100 %	93 %	100 %	0 %	100 %	100 %	87 %	100 %	0 %	80 %
12/02/2010	100 %	100 %	100 %	90 %	100 %	0 %	100 %	87 %	100 %	100 %	0 %	80 %
13/02/2010	100 %	100 %	100 %	100 %	100 %	0 %	100 %	100 %	97 %	96 %	0 %	81 %
14/02/2010	100 %	100 %	100 %	100 %	100 %	0 %	100 %	100 %	100 %	97 %	0 %	82 %
15/02/2010	100 %	100 %	100 %	100 %	88 %	0 %	100 %	44 %	100 %	100 %	0 %	75 %
16/02/2010	0 %	100 %	100 %	100 %	100 %	0 %	100 %	60 %	96 %	97 %	0 %	71 %
17/02/2010	68 %	96 %	100 %	100 %	88 %	0 %	100 %	61 %	96 %	97 %	0 %	73 %
18/02/2010	100 %	100 %	100 %	100 %	66 %	43 %	100 %	86 %	92 %	93 %	0 %	80 %
19/02/2010	95 %	100 %	100 %	100 %	41 %	100 %	84 %	100 %	100 %	94 %	0 %	83 %
20/02/2010	100 %	100 %	100 %	100 %	87 %	100 %	100 %	100 %	100 %	97 %	0 %	90 %
21/02/2010	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	93 %	53 %	0 %	86 %
22/02/2010	96 %	100 %	100 %	100 %	100 %	84 %	100 %	70 %	77 %	54 %	0 %	80 %
23/02/2010	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	92 %	25 %	0 %	83 %
24/02/2010	100 %	100 %	100 %	100 %	100 %	92 %	100 %	100 %	85 %	90 %	0 %	88 %
25/02/2010	100 %	89 %	100 %	100 %	69 %	96 %	100 %	67 %	18 %	100 %	0 %	76 %
26/02/2010	100 %	95 %	100 %	96 %	100 %	100 %	87 %	64 %	35 %	87 %	0 %	79 %
27/02/2010	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	35 %	93 %	0 %	84 %
28/02/2010	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	25 %	90 %	0 %	83 %
Average	96 %	98 %	90 %	97 %	94 %	65 %	92 %	90 %	86 %	86 %	1 %	81 %

Average Reliability for all sites: 81 %

Average Reliability for 8 best sites 93 %



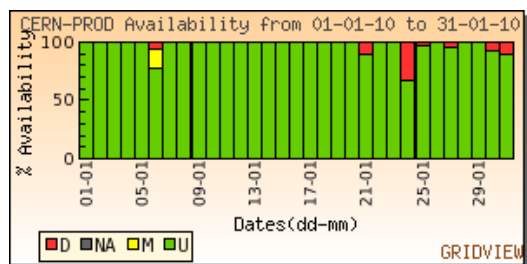
Availability of WLCG Tier-1 Sites + CERN for ATLAS

January 2010

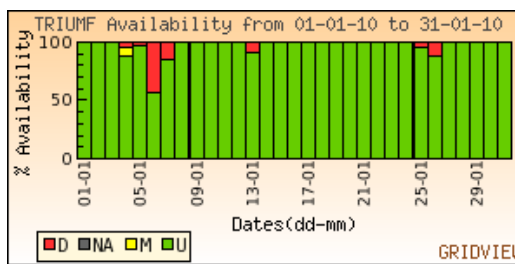
Data from SAM and Gridview

Availability is calculated as $\text{uptime} / (\text{total_time} - \text{time_status_was_UNKNOWN})$

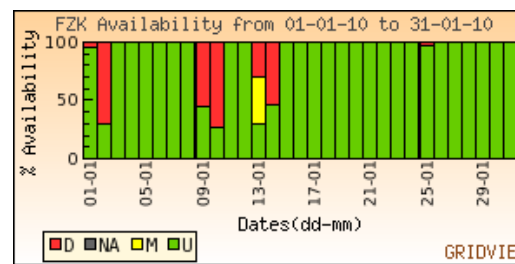
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



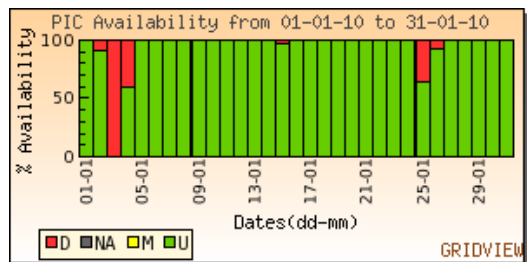
CERN Avail : 97 % Unkn : 0 %



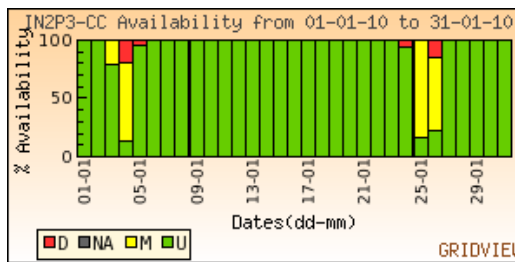
CA-TRIUMF Avail : 97 % Unkn : 0 %



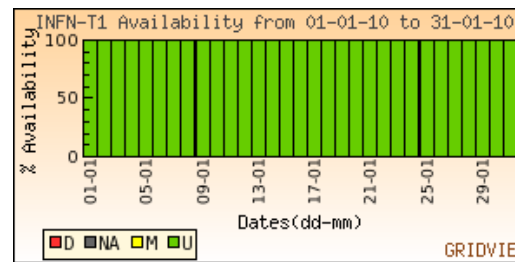
DE-KIT Avail : 89 % Unkn : 0 %



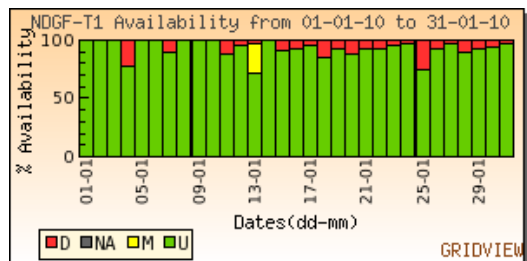
ES-PIC Avail : 94 % Unkn : 0 %



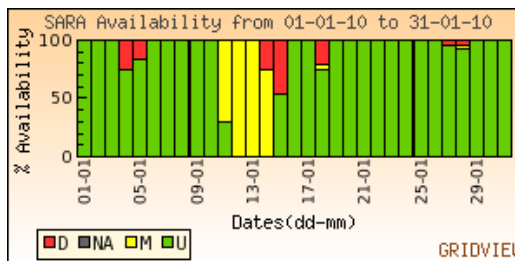
FR-CCIN2P3 Avail : 91 % Unkn : 0 %



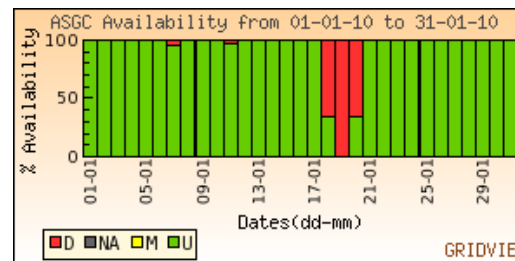
IT-INFN-CNAF Avail : 100 % Unkn : 0 %



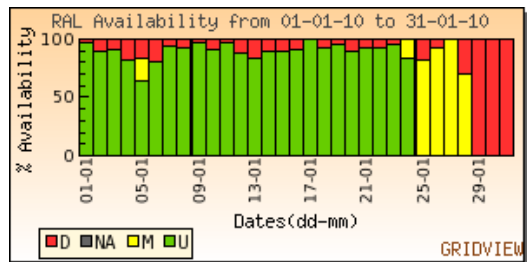
NDGF Avail : 93 % Unkn : 0 %



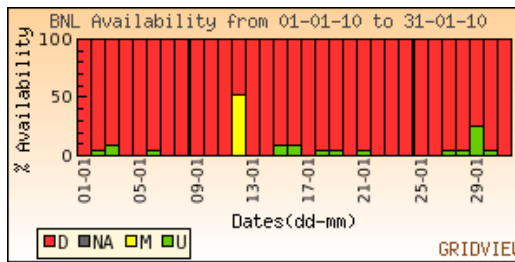
NL-T1 Avail : 84 % Unkn : 0 %



TW-ASGC Avail : 92 % Unkn : 0 %



UK-T1-RAL Avail : 70 % Unkn : 0 %



US-T1-BNL Avail : 3 % Unkn : 0 %



Service Availability Data for WLCG Tier-1s + CERN for ATLAS

January 2010

Data from SAM and Gridview

Reliability = uptime / (total_time - scheduled_downtime - time_status_was_UNKNOWN) **Availability** = uptime / (total_time - time_status_was_UNKNOWN)

Target reliability for each site is 97 % and Target for 8 best sites is 98 %

Availability

Colour Coding Limits :

>= TARGET: 97 %

90% OF TARGET:

87 %

Unkn : Unknown

Date	CA-TRIUMF		CERN		DE-KIT		ES-PIC		FR-CCIN2P3		IT-INFN-CNAF		NDGF		NL-T1		TW-ASGC		UK-T1-RAL		US-T1-BNL		Average	
	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn
01/01/2010	100	0	100	0	95	0	100	0	100	0	100	0	100	0	100	0	100	0	96	0	0	0	90	0
02/01/2010	100	0	100	0	30	0	91	0	100	0	100	0	100	0	100	0	100	0	90	0	4	0	83	0
03/01/2010	100	0	100	0	100	0	0	0	79	0	100	0	100	0	100	0	100	0	92	0	8	0	80	0
04/01/2010	87	0	100	0	100	0	60	0	14	0	100	0	78	0	75	0	100	0	83	0	0	0	72	0
05/01/2010	97	0	100	0	100	0	100	0	96	0	100	0	100	0	84	0	100	0	63	0	0	0	85	0
06/01/2010	57	0	77	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	80	0	4	0	84	0
07/01/2010	85	0	100	0	100	0	100	0	100	0	100	0	89	6	100	0	96	0	95	0	0	0	88	1
08/01/2010	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	92	0	0	0	90	0
09/01/2010	100	0	100	0	45	0	100	0	100	0	100	0	100	0	100	0	100	0	97	0	0	0	86	0
10/01/2010	100	0	100	0	26	0	100	0	100	0	100	0	100	0	100	0	100	0	91	0	0	0	83	0
11/01/2010	100	0	100	0	100	0	100	0	100	0	100	0	89	0	29	0	97	0	97	0	0	0	83	0
12/01/2010	100	0	100	0	100	0	100	0	100	0	100	0	96	0	0	0	100	0	88	0	0	0	80	0
13/01/2010	92	0	100	0	29	0	100	0	100	0	100	0	72	0	0	0	100	0	83	0	0	0	71	0
14/01/2010	100	0	100	0	47	0	100	0	100	0	100	0	100	0	0	0	100	0	90	0	0	0	76	0
15/01/2010	100	0	100	0	100	0	97	0	100	0	100	0	91	0	53	0	100	0	89	0	8	0	85	0
16/01/2010	100	0	100	0	100	0	100	0	100	0	100	0	93	0	100	0	100	0	91	0	9	0	90	0
17/01/2010	100	0	100	0	100	0	100	0	100	0	100	0	96	0	100	0	100	0	100	0	0	0	91	0
18/01/2010	100	0	100	0	100	0	100	0	100	0	100	0	85	0	75	0	34	0	92	0	4	0	81	0
19/01/2010	100	0	100	0	100	0	100	0	100	0	100	0	93	0	100	0	1	0	96	0	4	0	81	0
20/01/2010	100	0	100	0	100	0	100	0	100	0	100	0	89	0	100	0	35	0	89	0	0	0	83	0
21/01/2010	100	0	90	0	100	0	100	0	100	0	100	0	93	0	100	0	100	0	93	0	4	0	89	0
22/01/2010	100	0	100	0	100	0	100	0	100	0	100	0	92	0	100	0	100	0	93	0	0	0	90	0
23/01/2010	100	0	100	0	100	0	100	0	100	0	100	0	96	0	100	0	100	0	96	0	0	0	90	0
24/01/2010	100	0	68	0	100	0	100	0	95	0	100	0	97	0	100	0	100	0	83	0	0	0	86	0
25/01/2010	96	0	96	0	97	0	63	0	17	0	100	0	74	0	100	0	100	0	0	0	0	0	68	0
26/01/2010	88	0	100	0	100	0	93	0	22	0	100	0	92	0	100	0	100	0	0	0	0	0	72	0
27/01/2010	100	0	96	0	100	0	100	0	100	0	100	0	97	0	96	0	100	0	0	0	4	0	81	0
28/01/2010	100	0	100	0	100	0	100	0	100	0	100	0	90	0	92	0	100	0	0	0	4	0	81	0
29/01/2010	100	0	100	0	100	0	100	0	100	0	100	0	92	0	100	0	100	0	0	0	25	0	83	0
30/01/2010	100	0	93	0	100	0	100	0	100	0	100	0	93	0	100	0	100	0	0	0	4	0	81	0
31/01/2010	100	0	89	0	100	0	100	0	100	0	100	0	97	0	100	0	100	0	0	0	0	0	81	0
Average	97	0	97	0	89	0	94	0	91	0	100	0	93	0	84	0	92	0	70	0	3	0	83	0

Average Availability for all sites: 83 %

Average Availability for 8 best sites : 94 %



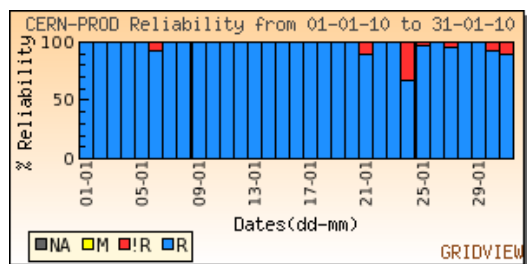
Reliability of WLCG Tier-1 Sites + CERN for ATLAS

January 2010

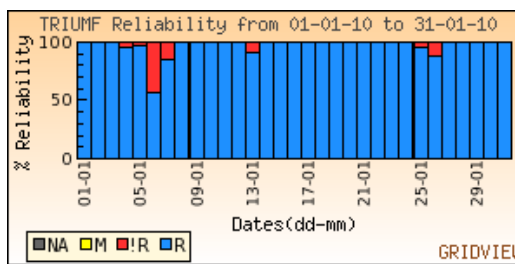
Data from SAM and Gridview

Reliability is calculated as $\text{uptime} / (\text{total_time} - \text{scheduled_downtime} - \text{time_status_was_UNKNOWN})$

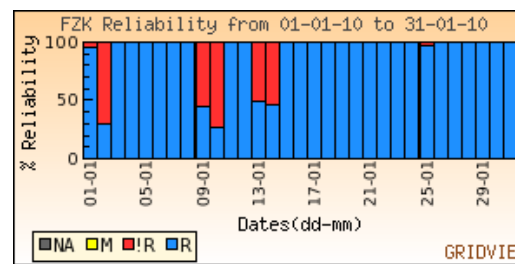
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



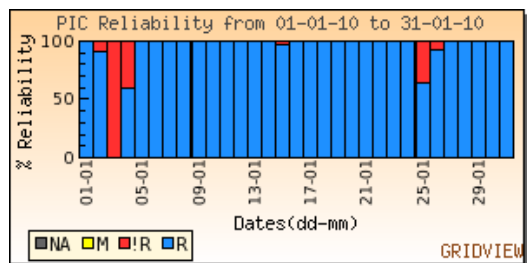
CERN Rel: 98 %



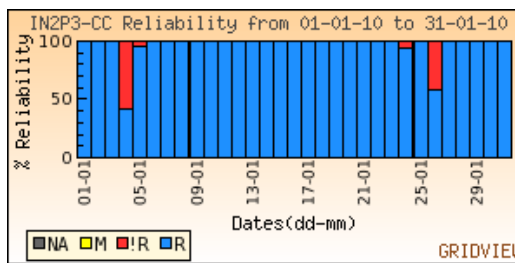
CA-TRIUMF Rel: 97 %



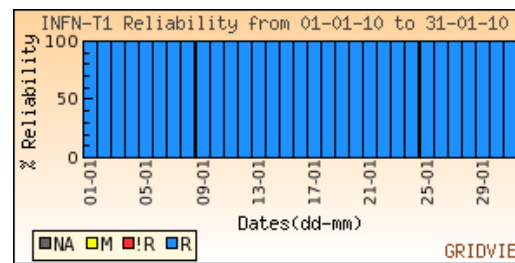
DE-KIT Rel: 91 %



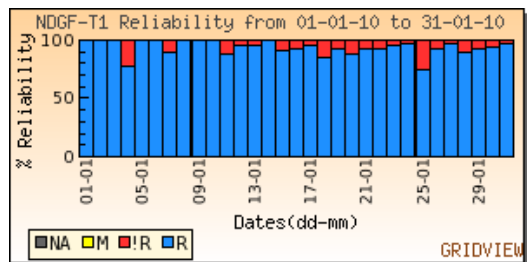
ES-PIC Rel: 94 %



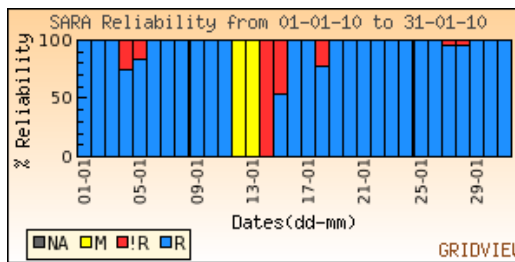
FR-CCIN2P3 Rel: 98 %



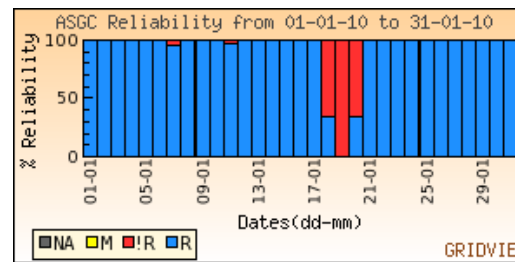
IT-INFN-CNAF Rel: 100 %



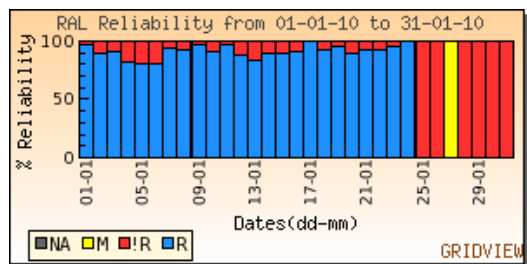
NDGF Rel: 94 %



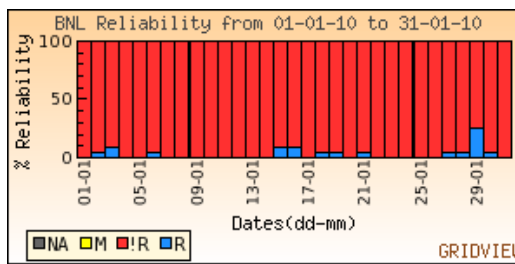
NL-T1 Rel: 95 %



TW-ASGC Rel: 92 %



UK-T1-RAL Rel: 79 %



US-T1-BNL Rel: 3 %



Service Availability Data for WLCG Tier-1s + CERN for ATLAS

January 2010

Data from SAM and Gridview

Reliability = uptime / (total_time - scheduled_downtime - time_status_was_UNKNOWN) **Availability** = uptime / (total_time - time_status_was_UNKNOWN)

Target reliability for each site is 97 % and Target for 8 best sites is 98 %

Reliability

Colour Coding Limits :

>= TARGET: 97 %

90% OF TARGET: 87 %

Date	CA-TRIUMF	CERN	DE-KIT	ES-PIC	FR-CCIN2P3	IT-INFN-CNAF	NDGF	NL-T1	TW-ASGC	UK-T1-RAL	US-T1-BNL	Average Reliability
01/01/2010	100 %	100 %	95 %	100 %	100 %	100 %	100 %	100 %	100 %	96 %	0 %	90 %
02/01/2010	100 %	100 %	30 %	91 %	100 %	100 %	100 %	100 %	100 %	90 %	4 %	83 %
03/01/2010	100 %	100 %	100 %	0 %	100 %	100 %	100 %	100 %	100 %	92 %	8 %	81 %
04/01/2010	95 %	100 %	100 %	60 %	41 %	100 %	78 %	75 %	100 %	83 %	0 %	78 %
05/01/2010	97 %	100 %	100 %	100 %	96 %	100 %	100 %	84 %	100 %	80 %	0 %	87 %
06/01/2010	57 %	93 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	80 %	4 %	85 %
07/01/2010	85 %	100 %	100 %	100 %	100 %	100 %	89 %	100 %	96 %	95 %	0 %	88 %
08/01/2010	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	92 %	0 %	90 %
09/01/2010	100 %	100 %	45 %	100 %	100 %	100 %	100 %	100 %	100 %	97 %	0 %	86 %
10/01/2010	100 %	100 %	26 %	100 %	100 %	100 %	100 %	100 %	100 %	91 %	0 %	83 %
11/01/2010	100 %	100 %	100 %	100 %	100 %	100 %	89 %	100 %	97 %	97 %	0 %	89 %
12/01/2010	100 %	100 %	100 %	100 %	100 %	100 %	96 %	N/A	100 %	88 %	0 %	93 %
13/01/2010	92 %	100 %	50 %	100 %	100 %	100 %	96 %	N/A	100 %	83 %	0 %	83 %
14/01/2010	100 %	100 %	47 %	100 %	100 %	100 %	100 %	0 %	100 %	90 %	0 %	82 %
15/01/2010	100 %	100 %	100 %	97 %	100 %	100 %	91 %	53 %	100 %	89 %	8 %	85 %
16/01/2010	100 %	100 %	100 %	100 %	100 %	100 %	93 %	100 %	100 %	91 %	9 %	90 %
17/01/2010	100 %	100 %	100 %	100 %	100 %	100 %	96 %	100 %	100 %	100 %	0 %	91 %
18/01/2010	100 %	100 %	100 %	100 %	100 %	100 %	85 %	78 %	34 %	92 %	4 %	81 %
19/01/2010	100 %	100 %	100 %	100 %	100 %	100 %	93 %	100 %	1 %	96 %	4 %	81 %
20/01/2010	100 %	100 %	100 %	100 %	100 %	100 %	89 %	100 %	35 %	89 %	0 %	83 %
21/01/2010	100 %	90 %	100 %	100 %	100 %	100 %	93 %	100 %	100 %	93 %	4 %	89 %
22/01/2010	100 %	100 %	100 %	100 %	100 %	100 %	92 %	100 %	100 %	93 %	0 %	90 %
23/01/2010	100 %	100 %	100 %	100 %	100 %	100 %	96 %	100 %	100 %	96 %	0 %	90 %
24/01/2010	100 %	68 %	100 %	100 %	95 %	100 %	97 %	100 %	100 %	100 %	0 %	87 %
25/01/2010	96 %	96 %	97 %	63 %	100 %	100 %	74 %	100 %	100 %	0 %	0 %	80 %
26/01/2010	88 %	100 %	100 %	93 %	58 %	100 %	92 %	100 %	100 %	0 %	0 %	84 %
27/01/2010	100 %	96 %	100 %	100 %	100 %	100 %	97 %	96 %	100 %	N/A	4 %	89 %
28/01/2010	100 %	100 %	100 %	100 %	100 %	100 %	90 %	96 %	100 %	0 %	4 %	86 %
29/01/2010	100 %	100 %	100 %	100 %	100 %	100 %	92 %	100 %	100 %	0 %	25 %	83 %
30/01/2010	100 %	93 %	100 %	100 %	100 %	100 %	93 %	100 %	100 %	0 %	4 %	81 %
31/01/2010	100 %	89 %	100 %	100 %	100 %	100 %	97 %	100 %	100 %	0 %	0 %	81 %
Average	97 %	98 %	91 %	94 %	98 %	100 %	94 %	95 %	92 %	79 %	3 %	85 %

Average Reliability for all sites: 85 %

Average Reliability for 8 best sites 96 %



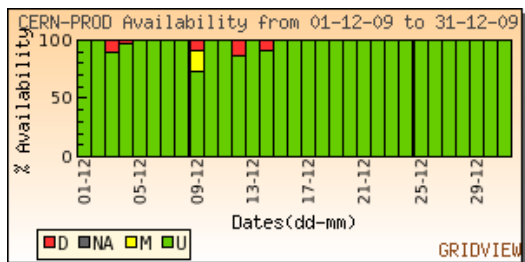
Availability of WLCG Tier-1 Sites + CERN for ATLAS

December 2009

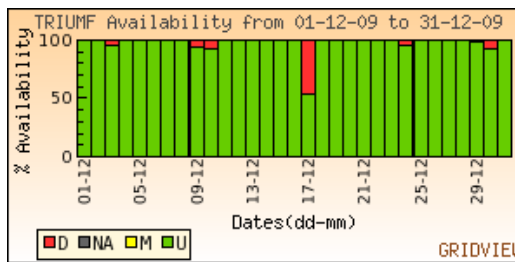
Data from SAM and Gridview

Availability is calculated as $\text{uptime} / (\text{total_time} - \text{time_status_was_UNKNOWN})$

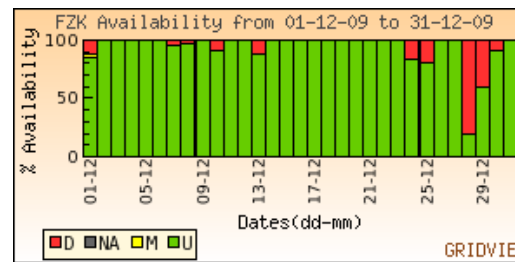
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



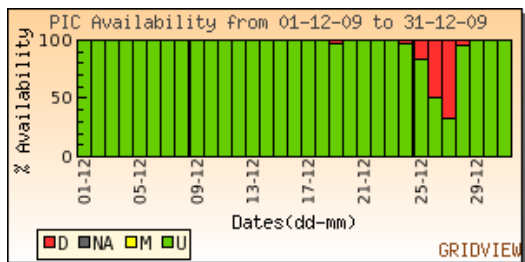
CERN Avail : 98 % Unkn : 4 %



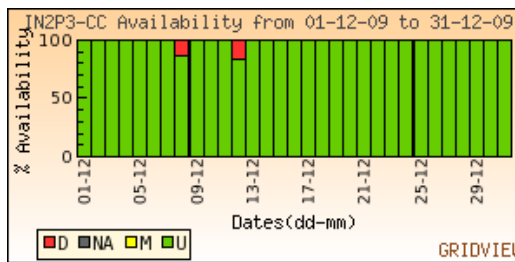
CA-TRIUMF Avail : 97 % Unkn : 4 %



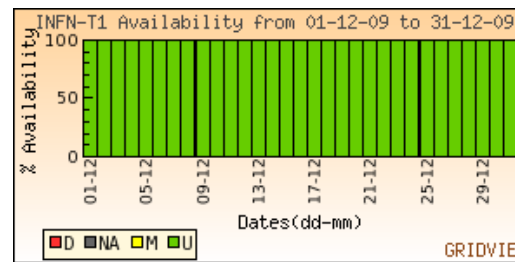
DE-KIT Avail : 93 % Unkn : 4 %



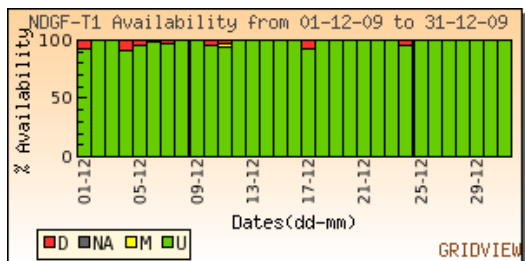
ES-PIC Avail : 95 % Unkn : 4 %



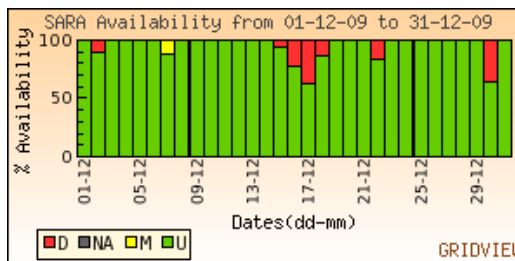
FR-CCIN2P3 Avail : 99 % Unkn : 3 %



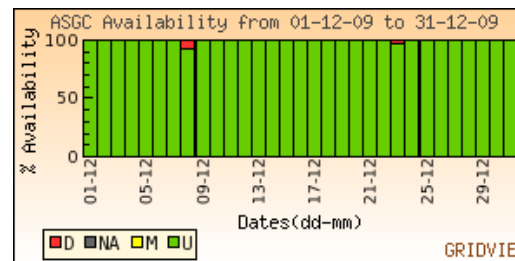
IT-INFN-CNAF Avail : 100 % Unkn : 4 %



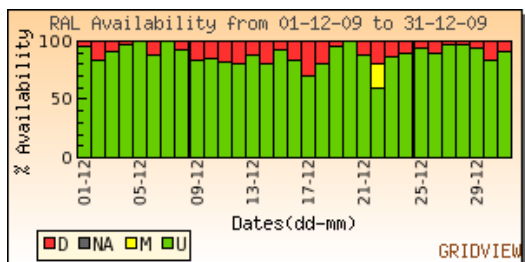
NDGF Avail : 98 % Unkn : 1 %



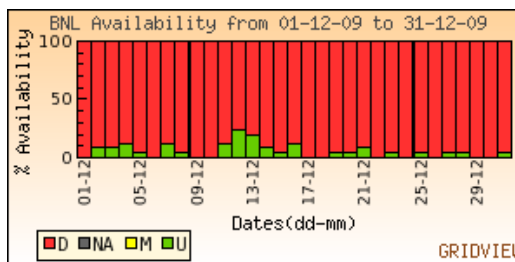
NL-T1 Avail : 95 % Unkn : 4 %



TW-ASGC Avail : 100 % Unkn : 4 %



UK-T1-RAL Avail : 88 % Unkn : 3 %



US-T1-BNL Avail : 5 % Unkn : 4 %



Service Availability Data for WLCG Tier-1s + CERN for ATLAS

December 2009

Data from SAM and Gridview

Reliability = uptime / (total_time - scheduled_downtime - time_status_was_UNKNOWN) **Availability** = uptime / (total_time - time_status_was_UNKNOWN)

Target reliability for each site is 97 % and Target for 8 best sites is 98 %

Availability

Colour Coding Limits :

>= TARGET: 97 %

90% OF TARGET:

87 %

Unkn : Unknown

Date	CA-TRIUMF		CERN		DE-KIT		ES-PIC		FR-CCIN2P3		IT-INFN-CNAF		NDGF		NL-T1		TW-ASGC		UK-T1-RAL		US-T1-BNL		Average	
	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn
01/12/2009	100	0	100	0	85	0	100	0	100	0	100	0	92	0	100	0	100	0	96	0	0	0	88	0
02/12/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	89	0	100	0	84	0	9	0	89	0
03/12/2009	96	0	89	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	91	0	8	0	89	0
04/12/2009	100	0	96	0	100	0	100	0	100	0	100	0	92	0	100	0	100	0	97	0	12	0	91	0
05/12/2009	100	0	100	0	100	0	100	0	100	0	100	0	95	0	100	0	100	0	100	0	4	0	91	0
06/12/2009	100	0	100	0	100	0	100	0	100	0	100	0	99	0	100	0	100	0	88	0	0	0	90	0
07/12/2009	100	0	100	0	96	0	100	0	100	0	100	0	97	0	88	0	100	0	100	0	12	0	90	0
08/12/2009	100	0	100	0	97	0	100	0		0	100	0	100	0	100	0	93	0	93	0	4	0	89	0
09/12/2009	94	0	74	0	100	0	100	0	100	0	100	0	100	8	100	0	100	0	83	0	0	0	86	1
10/12/2009	93	0	100	0	92	0	100	0	100	0	100	0	95	0	100	0	100	0	86	0	0	0	88	0
11/12/2009	100	0	100	0	100	0	100	0	100	0	100	0	94	0	100	0	100	0	83	0	12	0	90	0
12/12/2009	100	42		40	100	42	100	42	83	31	100	42	100	0	100	42	100	42	81	28	24	47	89	36
13/12/2009	100	74	100	74	89	70	100	74	100	74	100	74	100	0	100	74	100	74	88	74	19	78	93	67
14/12/2009	100	0	91	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	80	0	8	0	89	0
15/12/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	94	0	100	0	92	0	4	0	90	0
16/12/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	78	0	100	0	84	0	12	0	89	0
17/12/2009	54	0	100	0	100	0	100	0	100	0	100	0	92	0	62	0	100	0	71	0	0	0	80	0
18/12/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0		0	100	0	81	0	0	0	88	0
19/12/2009	100	0	100	0	100	0	97	8	100	0	100	0	100	0	100	0	100	0	96	0	4	0	91	1
20/12/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	4	0	91	0
21/12/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	87	0	8	0	91	0
22/12/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	83	0	100	0	60	0	0	0	86	0
23/12/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	96	0	86	0	4	0	90	0
24/12/2009	96	0	100	0	84	0	97	0	100	0	100	0	96	0	100	0	100	0	89	0	0	0	87	0
25/12/2009	100	0	100	0	80	0	84	0	100	0	100	0	100	0	100	0	100	0	93	0	4	0	87	0
26/12/2009	100	0	100	0	100	0	51	0	100	0	100	0	100	8	100	0	100	0	89	0	0	0	85	1
27/12/2009	100	0	100	0	100	0	32	0	100	0	100	0	100	0	100	0	100	0	97	0	4	0	85	0
28/12/2009	100	0	100	0	20	0	96	0	100	0	100	0	100	0	100	0	100	0	97	0	4	0	83	0
29/12/2009	99	0	100	0	60	0	100	0	100	0	100	0	100	0	100	0	100	0	94	0	0	0	87	0
30/12/2009	92	0	100	0	92	0	100	0	100	0	100	0	100	0	64	0	100	0	83	0	0	0	85	0
31/12/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	91	0	4	0	90	0
Average	97	4	98	4	93	4	95	4	99	3	100	4	98	1	95	4	100	4	88	3	5	4	88	3

Average Availability for all sites: 88 %

Average Availability for 8 best sites : 98 %



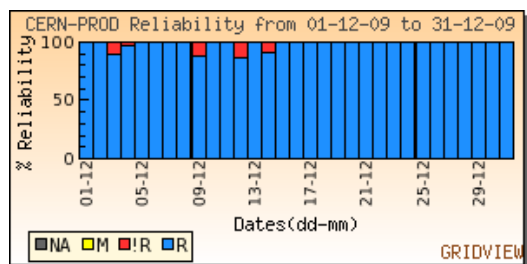
Reliability of WLCG Tier-1 Sites + CERN for ATLAS

December 2009

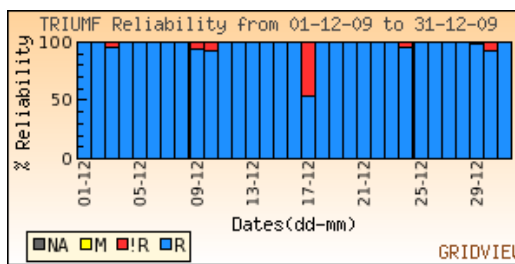
Data from SAM and Gridview

Reliability is calculated as $\text{uptime} / (\text{total_time} - \text{scheduled_downtime} - \text{time_status_was_UNKNOWN})$

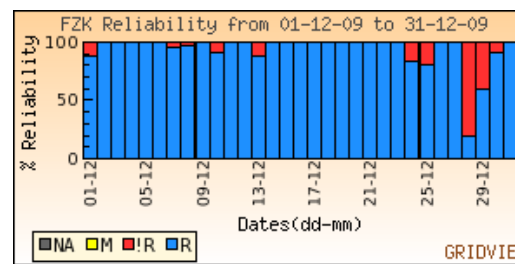
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



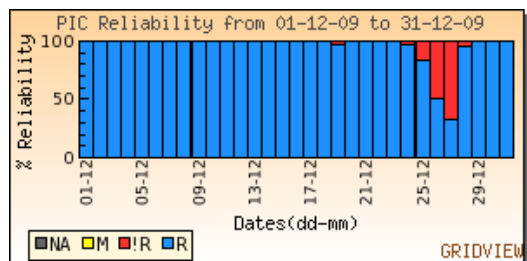
CERN Rel: 99 %



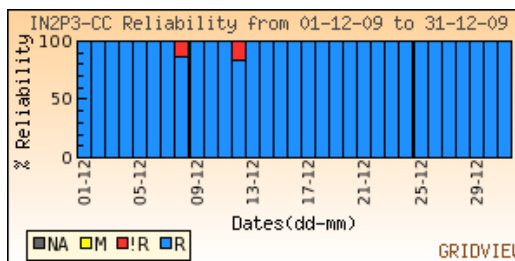
CA-TRIUMF Rel: 97 %



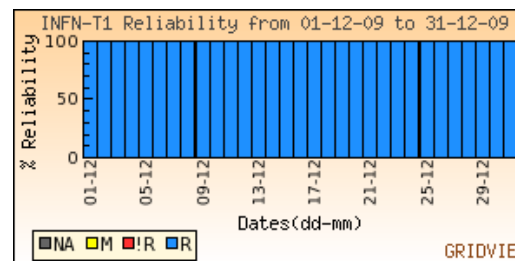
DE-KIT Rel: 93 %



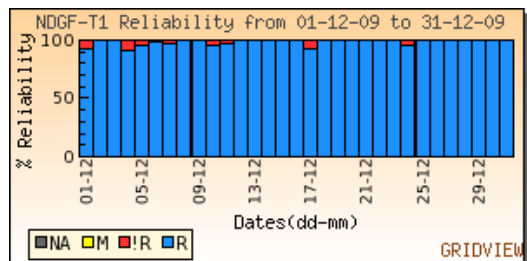
ES-PIC Rel: 95 %



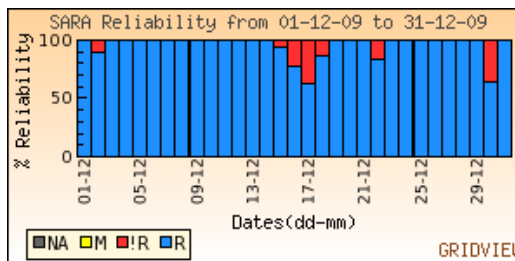
FR-CCIN2P3 Rel: 99 %



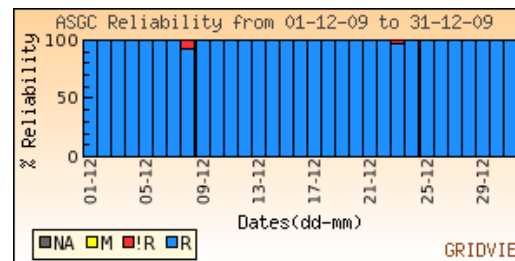
IT-INFN-CNAF Rel: 100 %



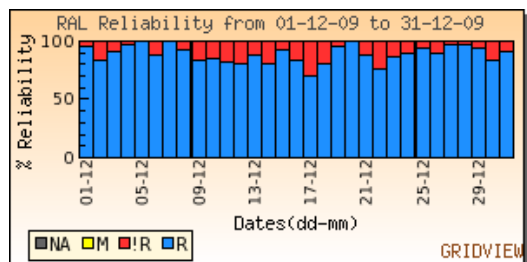
NDGF Rel: 99 %



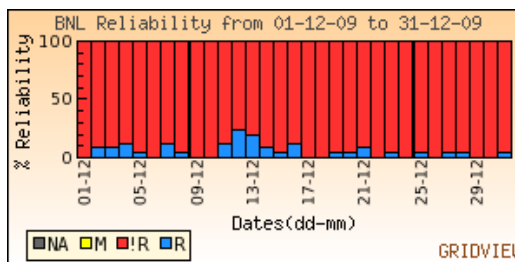
NL-T1 Rel: 95 %



TW-ASGC Rel: 100 %



UK-T1-RAL Rel: 89 %



US-T1-BNL Rel: 5 %



Service Availability Data for WLCG Tier-1s + CERN for ATLAS

December 2009

Data from SAM and Gridview

Reliability = uptime / (total_time - scheduled_downtime - time_status_was_UNKNOWN) **Availability** = uptime / (total_time - time_status_was_UNKNOWN)

Target reliability for each site is 97 % and Target for 8 best sites is 98 %

Reliability

Colour Coding Limits :

>= TARGET: 97 %

90% OF TARGET: 87 %

Date	CA-TRIUMF	CERN	DE-KIT	ES-PIC	FR-CCIN2P3	IT-INFN-CNAF	NDGF	NL-T1	TW-ASGC	UK-T1-RAL	US-T1-BNL	Average Reliability
01/12/2009	100 %	100 %	88 %	100 %	100 %	100 %	92 %	100 %	100 %	96 %	0 %	89 %
02/12/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	89 %	100 %	84 %	9 %	89 %
03/12/2009	96 %	89 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	91 %	8 %	89 %
04/12/2009	100 %	96 %	100 %	100 %	100 %	100 %	92 %	100 %	100 %	97 %	12 %	91 %
05/12/2009	100 %	100 %	100 %	100 %	100 %	100 %	95 %	100 %	100 %	100 %	4 %	91 %
06/12/2009	100 %	100 %	100 %	100 %	100 %	100 %	99 %	100 %	100 %	88 %	0 %	90 %
07/12/2009	100 %	100 %	96 %	100 %	100 %	100 %	97 %	100 %	100 %	100 %	12 %	91 %
08/12/2009	100 %	100 %	97 %	100 %	87 %	100 %	100 %	100 %	93 %	93 %	4 %	89 %
09/12/2009	94 %	88 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	83 %	0 %	88 %
10/12/2009	93 %	100 %	92 %	100 %	100 %	100 %	95 %	100 %	100 %	86 %	0 %	88 %
11/12/2009	100 %	100 %	100 %	100 %	100 %	100 %	97 %	100 %	100 %	83 %	12 %	90 %
12/12/2009	100 %	87 %	100 %	100 %	83 %	100 %	100 %	100 %	100 %	81 %	24 %	89 %
13/12/2009	100 %	100 %	89 %	100 %	100 %	100 %	100 %	100 %	100 %	88 %	19 %	93 %
14/12/2009	100 %	91 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	80 %	8 %	89 %
15/12/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	94 %	100 %	92 %	4 %	90 %
16/12/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	78 %	100 %	84 %	12 %	89 %
17/12/2009	54 %	100 %	100 %	100 %	100 %	100 %	92 %	62 %	100 %	71 %	0 %	80 %
18/12/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	87 %	100 %	81 %	0 %	88 %
19/12/2009	100 %	100 %	100 %	97 %	100 %	100 %	100 %	100 %	100 %	96 %	4 %	91 %
20/12/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	4 %	91 %
21/12/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	87 %	8 %	91 %
22/12/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	83 %	100 %	75 %	0 %	87 %
23/12/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	96 %	86 %	4 %	90 %
24/12/2009	96 %	100 %	84 %	97 %	100 %	100 %	96 %	100 %	100 %	89 %	0 %	87 %
25/12/2009	100 %	100 %	80 %	84 %	100 %	100 %	100 %	100 %	100 %	93 %	4 %	87 %
26/12/2009	100 %	100 %	100 %	51 %	100 %	100 %	100 %	100 %	100 %	89 %	0 %	85 %
27/12/2009	100 %	100 %	100 %	32 %	100 %	100 %	100 %	100 %	100 %	97 %	4 %	85 %
28/12/2009	100 %	100 %	20 %	96 %	100 %	100 %	100 %	100 %	100 %	97 %	4 %	83 %
29/12/2009	99 %	100 %	60 %	100 %	100 %	100 %	100 %	100 %	100 %	94 %	0 %	87 %
30/12/2009	92 %	100 %	92 %	100 %	100 %	100 %	100 %	64 %	100 %	83 %	0 %	85 %
31/12/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	91 %	4 %	90 %
Average	97 %	99 %	93 %	95 %	99 %	100 %	99 %	95 %	100 %	89 %	5 %	88 %

Average Reliability for all sites: 88 %

Average Reliability for 8 best sites 98 %



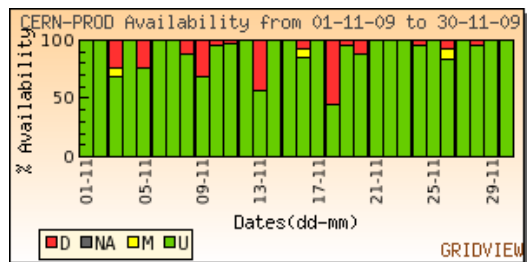
Availability of WLCG Tier-1 Sites + CERN for ATLAS

November 2009

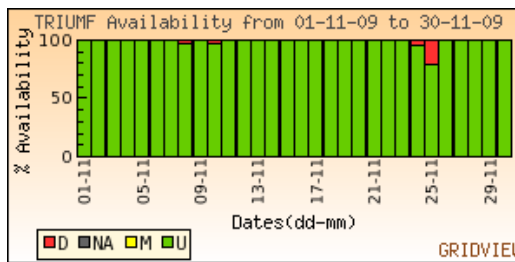
Data from SAM and Gridview

Availability is calculated as $\text{uptime} / (\text{total_time} - \text{time_status_was_UNKNOWN})$

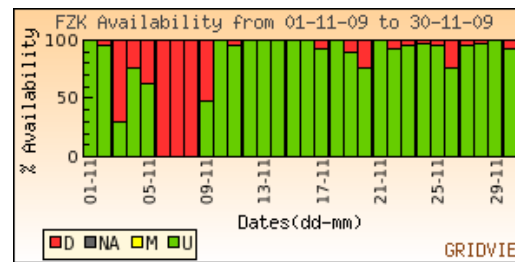
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



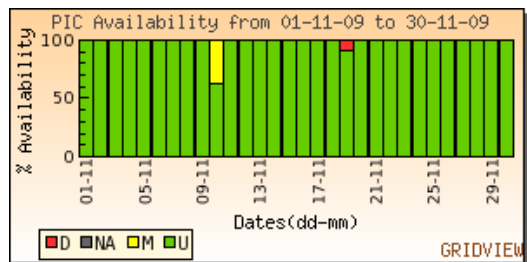
CERN Avail : 91 % Unkn : 0 %



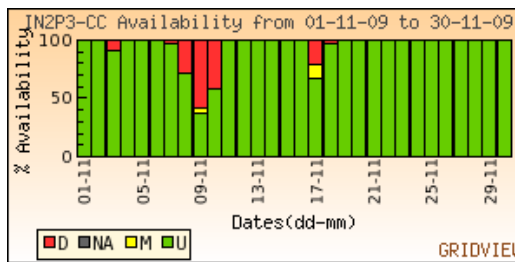
CA-TRIUMF Avail : 99 % Unkn : 0 %



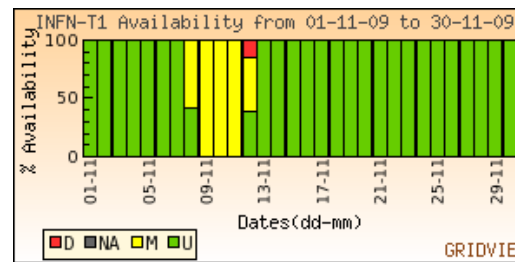
DE-KIT Avail : 80 % Unkn : 0 %



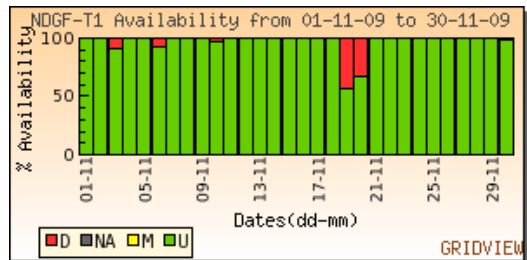
ES-PIC Avail : 98 % Unkn : 0 %



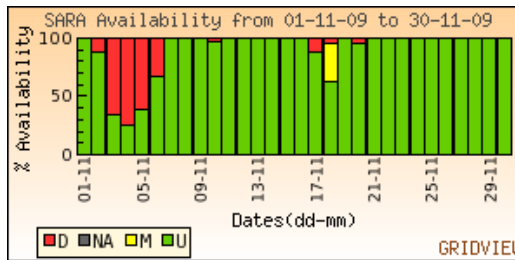
FR-CCIN2P3 Avail : 94 % Unkn : 0 %



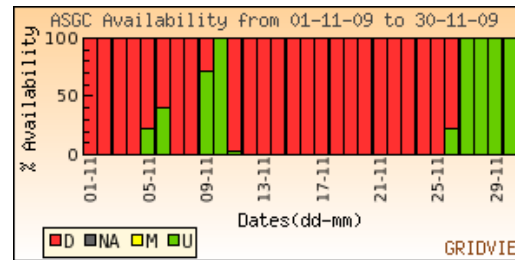
IT-INFN-CNAF Avail : 86 % Unkn : 0 %



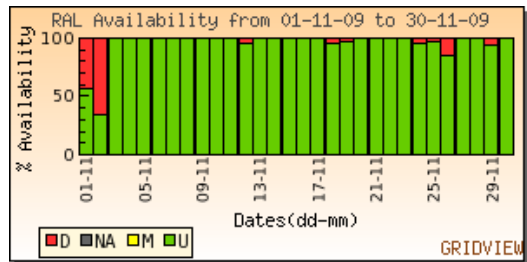
NDGF Avail : 97 % Unkn : 0 %



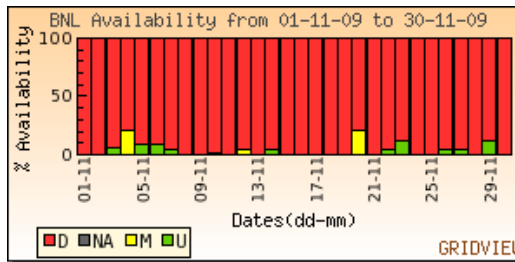
NL-T1 Avail : 90 % Unkn : 0 %



TW-ASGC Avail : 22 % Unkn : 0 %



UK-T1-RAL Avail : 95 % Unkn : 0 %



US-T1-BNL Avail : 2 % Unkn : 2 %



Service Availability Data for WLCG Tier-1s + CERN for ATLAS

November 2009

Data from SAM and Gridview

Reliability = uptime / (total_time - scheduled_downtime - time_status_was_UNKNOWN) **Availability** = uptime / (total_time - time_status_was_UNKNOWN)

Target reliability for each site is 97 % and Target for 8 best sites is 98 %

Availability

Colour Coding Limits :

>= TARGET: 97 %

90% OF TARGET:

87 %

Unkn : Unknown

Date	CA-TRIUMF		CERN		DE-KIT		ES-PIC		FR-CCIN2P3		IT-INFN-CNAF		NDGF		NL-T1		TW-ASGC		UK-T1-RAL		US-T1-BNL		Average	
	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn
01/11/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	0	0	57	0	0	0	78	0
02/11/2009	100	0	100	0	95	0	100	0	100	0	100	0	100	0	89	0	0	0	34	0	0	0	74	0
03/11/2009	100	0	69	0	31	0	100	0	92	0	100	0	92	0	34	0	0	0	100	0	7	38	68	3
04/11/2009	100	0	100	0	76	0	100	0	100	0	100	0	100	0	25	0	0	0	100	0	0	0	73	0
05/11/2009	100	0	77	0	62	0	100	0	100	0	100	0	100	0	38	0	22	0	100	0	8	0	73	0
06/11/2009	100	0	100	0	0	0	100	0	100	0	100	0	92	0	67	0	40	0	100	0	8	0	73	0
07/11/2009	100	0	100	0	0	0	100	0	97	0	100	0	100	0	100	0	0	0	100	0	4	0	73	0
08/11/2009	97	0	88	0	0	0	100	0	72	0	42	0	100	0	100	0	0	0	100	0	0	0	63	0
09/11/2009	100	0	68	0	48	0	100	0	38	0	0	0	100	0	100	0	71	0	100	0	0	0	66	0
10/11/2009	97	0	96	0	100	0	62	0	58	0	0	0	97	0	97	0	100	0	100	0	0	0	73	0
11/11/2009	100	0	97	0	96	0	100	0	100	0	0	0	100	0	100	0	3	0	100	0	0	0	72	0
12/11/2009	100	0	100	0	100	0	100	0	100	0	39	0	100	0	100	0	0	12	96	0	0	0	77	1
13/11/2009	100	0	57	0	100	0	100	0	100	0	100	0	100	0	100	0	0	0	100	0	0	0	78	0
14/11/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	0	0	100	0	4	0	82	0
15/11/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	0	0	100	0	0	0	82	0
16/11/2009	100	0	86	0	100	0	100	0	100	0	100	0	100	0	100	0	0	0	100	0	0	0	81	0
17/11/2009	100	0	99	0	92	0	100	0	67	0	100	0	100	0	88	0	0	0	100	0	0	0	77	0
18/11/2009	100	0	45	0	100	0	100	0	97	0	100	0	100	0	63	0	0	0	96	0	0	0	73	0
19/11/2009	100	0	96	0	89	0	92	0	100	0	100	0	57	0	100	0	0	0	97	0	0	0	76	0
20/11/2009	100	0	88	0	76	0	100	0	100	0	100	0	68	0	95	0	0	0	100	0	0	17	76	2
21/11/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	0	0	100	0	0	0	82	0
22/11/2009	100	0	100	0	93	0	100	0	100	0	100	0	100	0	100	0	0	0	100	0	4	0	82	0
23/11/2009	100	0	100	0	96	0	100	0	100	0	100	0	100	0	100	0	0	0	100	0	12	0	83	0
24/11/2009	96	0	95	0	97	0	100	0	100	0	100	0	100	0	100	0	0	0	96	0	0	0	80	0
25/11/2009	80	0	100	0	95	0	100	0	100	0	100	0	100	0	100	0	0	0	96	0	0	0	79	0
26/11/2009	100	0	84	0	77	0	100	0	100	0	100	0	100	0	100	0	22	0	85	0	4	0	79	0
27/11/2009	100	0	100	0	96	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	4	0	91	0
28/11/2009	100	0	95	0	97	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	0	0	90	0
29/11/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	94	0	12	0	92	0
30/11/2009	100	0	100	0	93	0	100	0	100	0	100	0	99	12	100	0	100	0	100	0	0	0	90	1
Average	99	0	91	0	80	0	98	0	94	0	86	0	97	0	90	0	22	0	95	0	2	2	78	0

Average Availability for all sites: 78 %

Average Availability for 8 best sites : 94 %



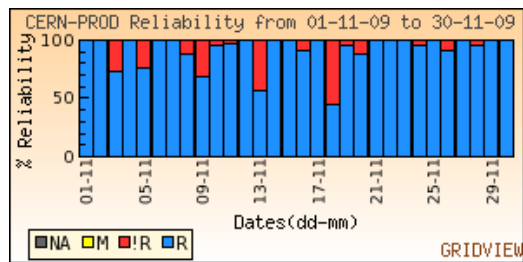
Reliability of WLCG Tier-1 Sites + CERN for ATLAS

November 2009

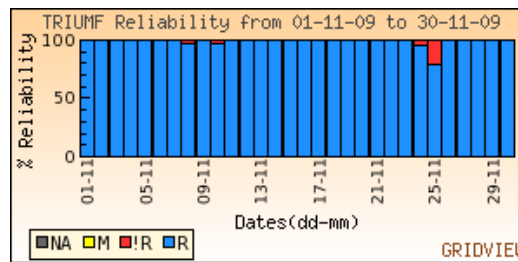
Data from SAM and Gridview

Reliability is calculated as $\text{uptime} / (\text{total_time} - \text{scheduled_downtime} - \text{time_status_was_UNKNOWN})$

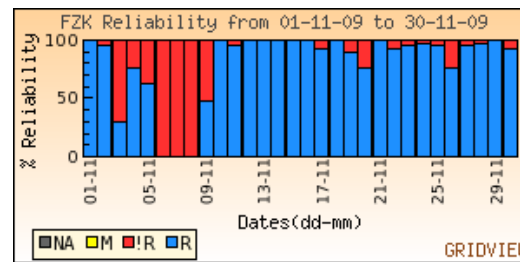
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



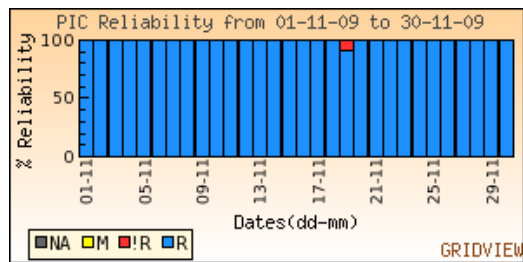
CERN Rel: 92 %



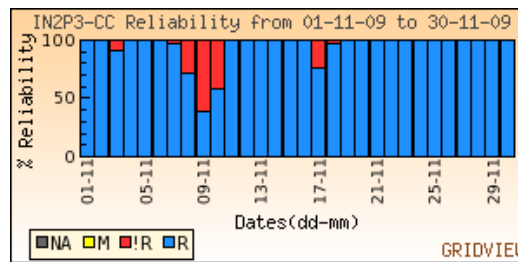
CA-TRIUMF Rel: 99 %



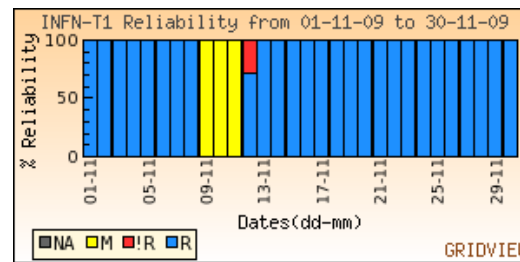
DE-KIT Rel: 80 %



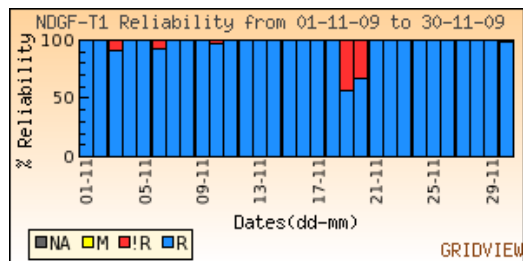
ES-PIC Rel: 100 %



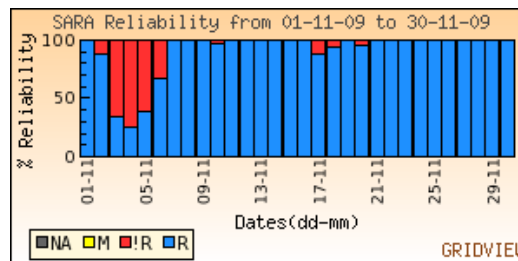
FR-CCIN2P3 Rel: 95 %



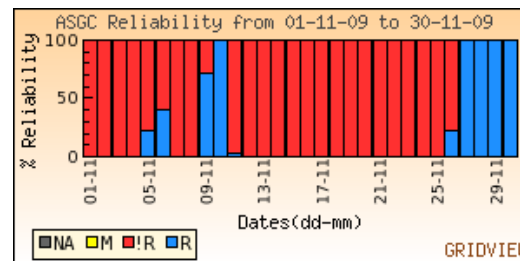
IT-INFN-CNAF Rel: 99 %



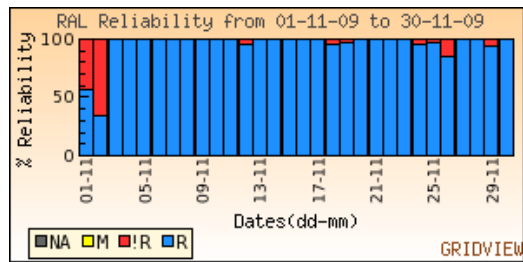
NDGF Rel: 97 %



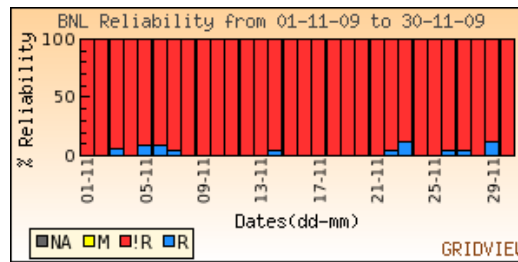
NL-T1 Rel: 91 %



TW-ASGC Rel: 22 %



UK-T1-RAL Rel: 95 %



US-T1-BNL Rel: 2 %



Service Availability Data for WLCG Tier-1s + CERN for ATLAS

November 2009

Data from SAM and Gridview

Reliability = uptime / (total_time - scheduled_downtime - time_status_was_UNKNOWN) **Availability** = uptime / (total_time - time_status_was_UNKNOWN)

Target reliability for each site is 97 % and Target for 8 best sites is 98 %

Reliability

Colour Coding Limits :

>= TARGET: 97 %

90% OF TARGET: 87 %

Date	CA-TRIUMF	CERN	DE-KIT	ES-PIC	FR-CCIN2P3	IT-INFN-CNAF	NDGF	NL-T1	TW-ASGC	UK-T1-RAL	US-T1-BNL	Average Reliability
01/11/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	0 %	57 %	0 %	78 %
02/11/2009	100 %	100 %	95 %	100 %	100 %	100 %	100 %	89 %	0 %	34 %	0 %	74 %
03/11/2009	100 %	74 %	31 %	100 %	92 %	100 %	92 %	34 %	0 %	100 %	7 %	68 %
04/11/2009	100 %	100 %	76 %	100 %	100 %	100 %	100 %	25 %	0 %	100 %	0 %	74 %
05/11/2009	100 %	77 %	62 %	100 %	100 %	100 %	100 %	38 %	22 %	100 %	8 %	73 %
06/11/2009	100 %	100 %	0 %	100 %	100 %	100 %	92 %	67 %	40 %	100 %	8 %	73 %
07/11/2009	100 %	100 %	0 %	100 %	97 %	100 %	100 %	100 %	0 %	100 %	4 %	73 %
08/11/2009	97 %	88 %	0 %	100 %	72 %	100 %	100 %	100 %	0 %	100 %	0 %	67 %
09/11/2009	100 %	68 %	48 %	100 %	39 %	N/A	100 %	100 %	71 %	100 %	0 %	73 %
10/11/2009	97 %	96 %	100 %	100 %	58 %	N/A	97 %	97 %	100 %	100 %	0 %	84 %
11/11/2009	100 %	97 %	96 %	100 %	100 %	N/A	100 %	100 %	3 %	100 %	0 %	80 %
12/11/2009	100 %	100 %	100 %	100 %	100 %	71 %	100 %	100 %	0 %	96 %	0 %	80 %
13/11/2009	100 %	57 %	100 %	100 %	100 %	100 %	100 %	100 %	0 %	100 %	0 %	78 %
14/11/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	0 %	100 %	4 %	82 %
15/11/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	0 %	100 %	0 %	82 %
16/11/2009	100 %	91 %	100 %	100 %	100 %	100 %	100 %	100 %	0 %	100 %	0 %	81 %
17/11/2009	100 %	99 %	92 %	100 %	76 %	100 %	100 %	88 %	0 %	100 %	0 %	78 %
18/11/2009	100 %	45 %	100 %	100 %	97 %	100 %	100 %	94 %	0 %	96 %	0 %	75 %
19/11/2009	100 %	96 %	89 %	92 %	100 %	100 %	57 %	100 %	0 %	97 %	0 %	76 %
20/11/2009	100 %	88 %	76 %	100 %	100 %	100 %	68 %	95 %	0 %	100 %	0 %	78 %
21/11/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	0 %	100 %	0 %	82 %
22/11/2009	100 %	100 %	93 %	100 %	100 %	100 %	100 %	100 %	0 %	100 %	4 %	82 %
23/11/2009	100 %	100 %	96 %	100 %	100 %	100 %	100 %	100 %	0 %	100 %	12 %	83 %
24/11/2009	96 %	95 %	97 %	100 %	100 %	100 %	100 %	100 %	0 %	96 %	0 %	80 %
25/11/2009	80 %	100 %	95 %	100 %	100 %	100 %	100 %	100 %	0 %	96 %	0 %	79 %
26/11/2009	100 %	91 %	77 %	100 %	100 %	100 %	100 %	100 %	22 %	85 %	4 %	80 %
27/11/2009	100 %	100 %	96 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	4 %	91 %
28/11/2009	100 %	95 %	97 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	0 %	90 %
29/11/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	94 %	12 %	92 %
30/11/2009	100 %	100 %	93 %	100 %	100 %	100 %	99 %	100 %	100 %	100 %	0 %	90 %
Average	99 %	92 %	80 %	100 %	95 %	99 %	97 %	91 %	22 %	95 %	2 %	79 %

Average Reliability for all sites: 79 %

Average Reliability for 8 best sites 96 %



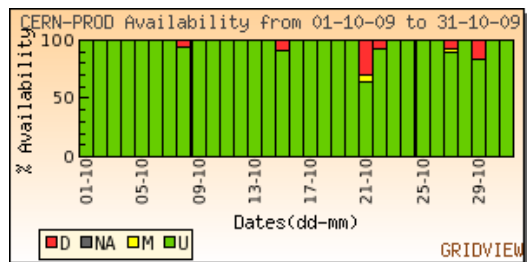
Availability of WLCG Tier-1 Sites + CERN for ATLAS

October 2009

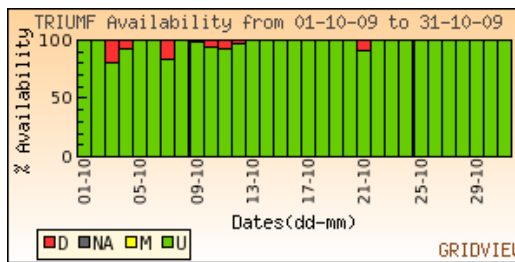
Data from SAM and Gridview

Availability is calculated as $\text{uptime} / (\text{total_time} - \text{time_status_was_UNKNOWN})$

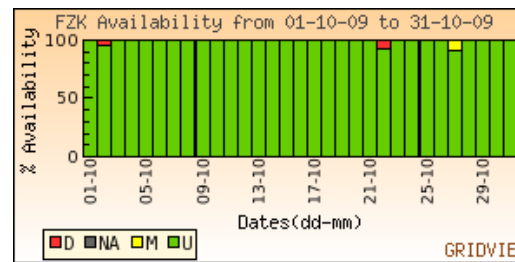
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



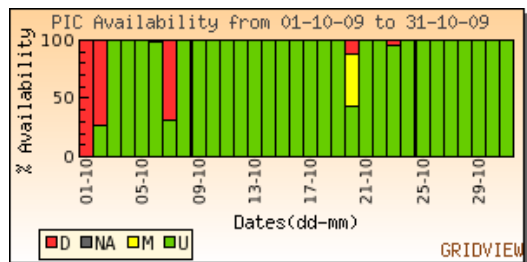
CERN Avail : 97 % Unkn : 0 %



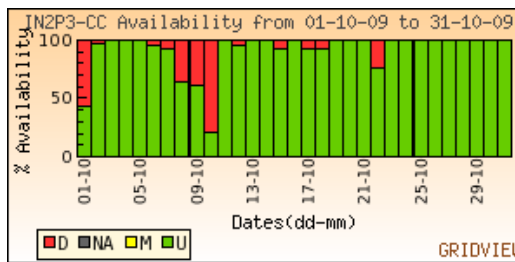
CA-TRIUMF Avail : 98 % Unkn : 0 %



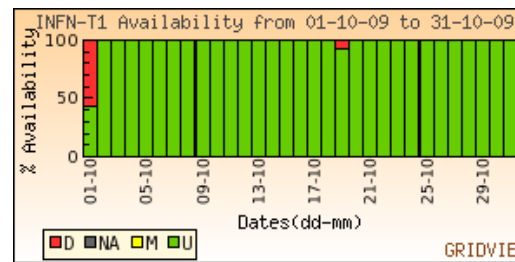
DE-KIT Avail : 99 % Unkn : 0 %



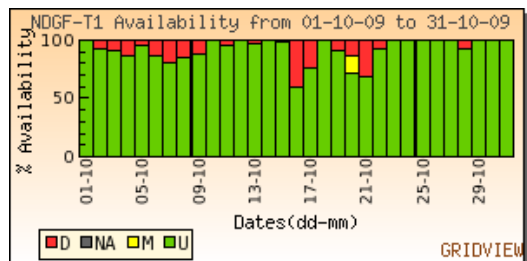
ES-PIC Avail : 90 % Unkn : 0 %



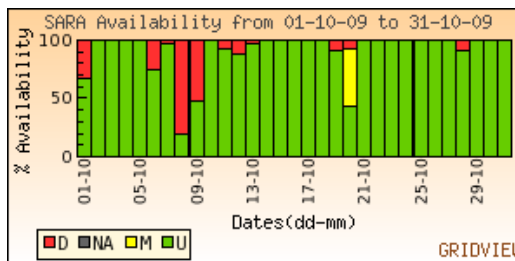
FR-CCIN2P3 Avail : 91 % Unkn : 0 %



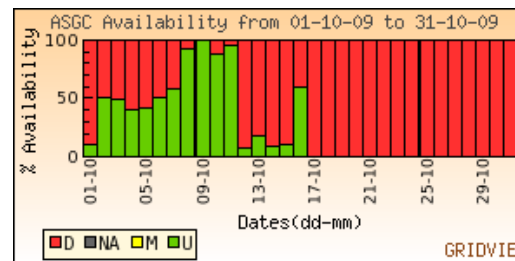
IT-INFN-CNAF Avail : 98 % Unkn : 0 %



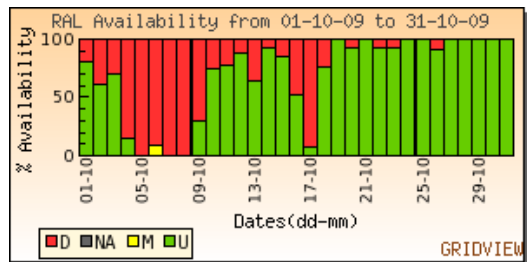
NDGF Avail : 92 % Unkn : 1 %



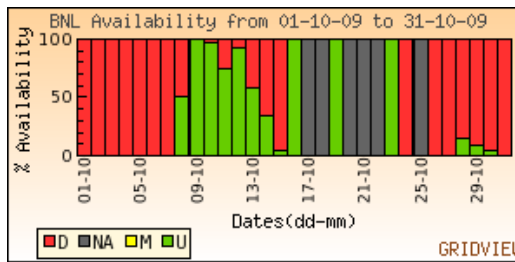
NL-T1 Avail : 91 % Unkn : 0 %



TW-ASGC Avail : 25 % Unkn : 0 %



UK-T1-RAL Avail : 69 % Unkn : 0 %



US-T1-BNL Avail : 31 % Unkn : 34 %



Service Availability Data for WLCG Tier-1s + CERN for ATLAS

October 2009

Data from SAM and Gridview

Reliability = uptime / (total_time - scheduled_downtime - time_status_was_UNKNOWN) **Availability** = uptime / (total_time - time_status_was_UNKNOWN)

Target reliability for each site is 97 % and Target for 8 best sites is 98 %

Availability

Colour Coding Limits :

>= TARGET: 97 %

90% OF TARGET:

87 %

Unkn : Unknown

Date	CA-TRIUMF		CERN		DE-KIT		ES-PIC		FR-CCIN2P3		IT-INFN-CNAF		NDGF		NL-T1		TW-ASGC		UK-T1-RAL		US-T1-BNL		Average	
	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn
01/10/2009	100	0	100	0	100	0	0	0	43	0	43	0	100	0	67	0	11	0	81	0	0	0	59	0
02/10/2009	100	0	100	0	96	0	27	0	96	0	100	0	93	0	100	0	50	0	61	0	0	0	75	0
03/10/2009	81	0	100	0	100	0	100	0	100	0	100	0	91	0	100	0	49	0	70	0	0	0	81	0
04/10/2009	92	0	100	0	100	0	100	0	100	0	100	0	86	0	100	0	40	0	16	0	0	0	76	0
05/10/2009	100	0	100	0	100	0	100	0	100	0	100	0	96	0	100	0	42	0	0	0	0	0	76	0
06/10/2009	100	0	100	0	100	0	99	0	95	0	100	0		0	75	0	51	0	0	0	0	0	73	0
07/10/2009	84	0	100	0	100	0	31	0	92	0	100	0	80	0	96	0	58	0	0	0	0	0	67	0
08/10/2009	100	0	95	0	100	0	100	0	64	0	100	0	85	0	19	0	93	0	0	0	51	0	73	0
09/10/2009	99	0	100	0	100	0	100	0	61	0	100	0	88	0	47	0	100	0	31	0	100	0	84	0
10/10/2009	95	0	100	0	100	0	100	0	21	0	100	0	100	0	100	0	88	0	74	0	97	0	89	0
11/10/2009	93	0	100	0	100	0	100	0	100	0	100	0	96	0	92	0	96	0	77	0	75	0	94	0
12/10/2009	96	0	100	0	100	0	100	0	96	0	100	0	100	0	88	0	7	0	88	0	93	0	88	0
13/10/2009	100	0	100	0	100	0	100	0	100	0	100	0	96	0	97	0	19	0	64	0	58	0	85	0
14/10/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	9	0	93	0	35	0	85	0
15/10/2009	100	0	92	0	100	0	100	0	92	0	100	0	99	0	100	0	10	0	85	0	4	0	80	0
16/10/2009	100	0	100	0	100	0	100	0	100	0	100	0	59	0	100	0	60	0	52	0	100	21	88	2
17/10/2009	100	0	100	0	100	0	100	0	93	0	100	0	76	0	100	0	0	0	7	0	N/A	100	78	9
18/10/2009	100	0	100	0	100	0	100	0	92	0	100	0	100	0	100	0	0	0	76	0	N/A	100	87	9
19/10/2009	100	0	100	0	100	0	100	0	100	0	92	0	91	0	92	0	0	0	100	0	100	96	88	9
20/10/2009	100	0	100	0	100	0	43	0	100	0	100	0	71	21	43	0	0	0	92	0	N/A	100	75	11
21/10/2009	91	0	64	0	100	0	100	0	100	0	100	0	69	0	100	0	0	0	100	0	N/A	100	82	9
22/10/2009	100	0	92	0	92	0	100	0	76	0	100	0	92	0	100	0	0	0	92	0	N/A	100	85	9
23/10/2009	100	0	100	0	100	0	96	0	100	0	100	0	100	7	100	0	0	0	92	0	100	92	89	9
24/10/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	0	0	100	0	0	83	89	8
25/10/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	0	0	100	0	N/A	100	90	9
26/10/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	0	0	91	0	0	51	85	5
27/10/2009	100	0	90	0	92	0	100	0	100	0	100	0	100	0	100	0	0	0	100	0	0	84	87	8
28/10/2009	100	0	100	0	100	0	100	0	100	0	100	0	92	0	92	0	0	0	100	0	15	16	83	1
29/10/2009	100	0	84	0	100	0	100	0	100	0	100	0	100	0	100	0	0	0	100	0	8	0	81	0
30/10/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	0	0	100	0	4	0	82	0
31/10/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	0	0	100	0	0	0	82	0
Average	98	0	97	0	99	0	90	0	91	0	98	0	92	1	91	0	25	0	69	0	31	34	82	3

Average Availability for all sites: 82 %

Average Availability for 8 best sites : 95 %



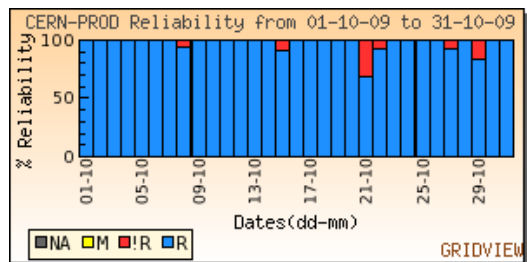
Reliability of WLCG Tier-1 Sites + CERN for ATLAS

October 2009

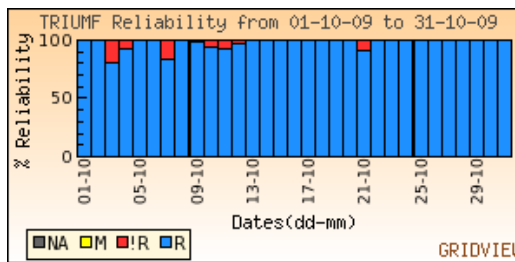
Data from SAM and Gridview

Reliability is calculated as $\text{uptime} / (\text{total_time} - \text{scheduled_downtime} - \text{time_status_was_UNKNOWN})$

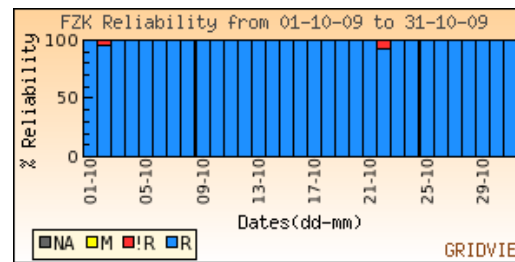
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



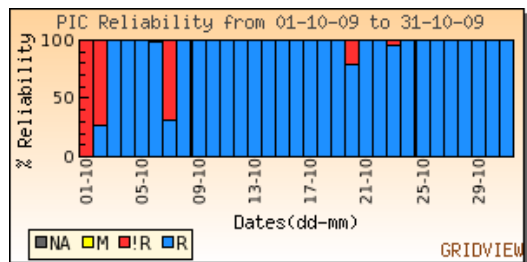
CERN Rel: 98 %



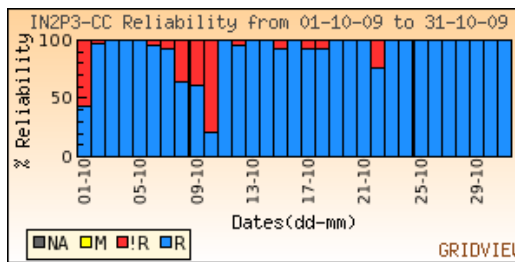
CA-TRIUMF Rel: 98 %



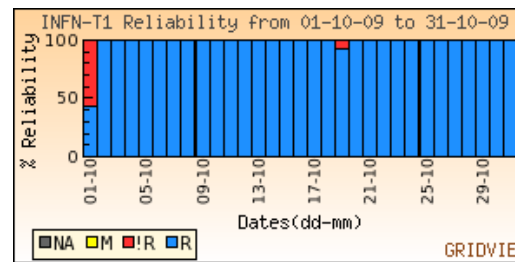
DE-KIT Rel: 100 %



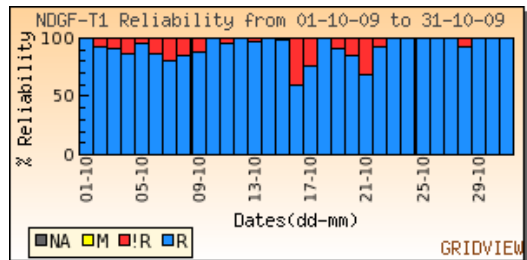
ES-PIC Rel: 92 %



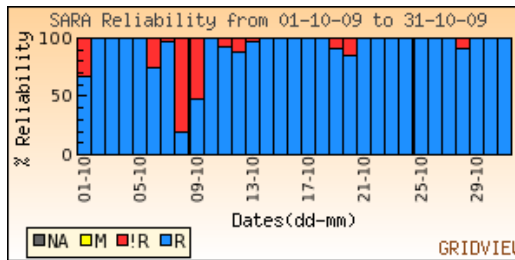
FR-CCIN2P3 Rel: 91 %



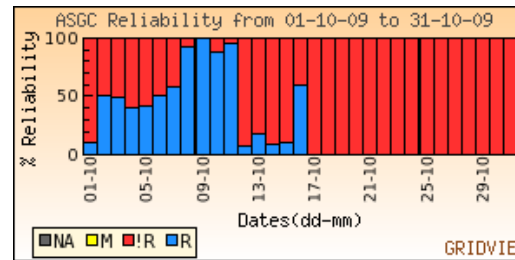
IT-INFN-CNAF Rel: 98 %



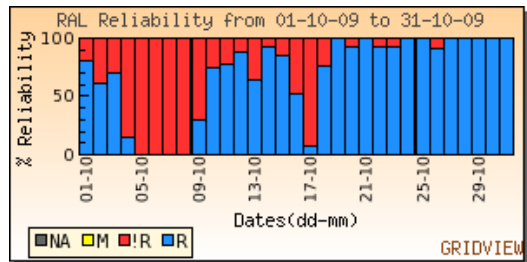
NDGF Rel: 92 %



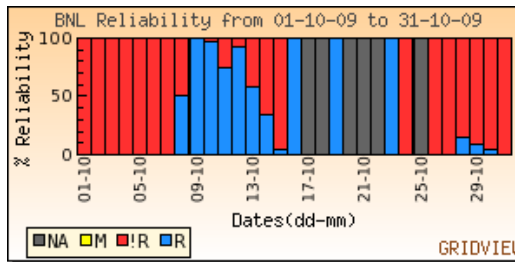
NL-T1 Rel: 92 %



TW-ASGC Rel: 25 %



UK-T1-RAL Rel: 69 %



US-T1-BNL Rel: 31 %



Service Availability Data for WLCG Tier-1s + CERN for ATLAS

October 2009

Data from SAM and Gridview

Reliability = uptime / (total_time - scheduled_downtime - time_status_was_UNKNOWN) **Availability** = uptime / (total_time - time_status_was_UNKNOWN)

Target reliability for each site is 97 % and Target for 8 best sites is 98 %

Reliability

Colour Coding Limits :

>= TARGET: 97 %

90% OF TARGET: 87 %

Date	CA-TRIUMF	CERN	DE-KIT	ES-PIC	FR-CCIN2P3	IT-INFN-CNAF	NDGF	NL-T1	TW-ASGC	UK-T1-RAL	US-T1-BNL	Average Reliability
01/10/2009	100 %	100 %	100 %	0 %	43 %	43 %	100 %	67 %	11 %	81 %	0 %	59 %
02/10/2009	100 %	100 %	96 %	27 %	96 %	100 %	93 %	100 %	50 %	61 %	0 %	75 %
03/10/2009	81 %	100 %	100 %	100 %	100 %	100 %	91 %	100 %	49 %	70 %	0 %	81 %
04/10/2009	92 %	100 %	100 %	100 %	100 %	100 %	86 %	100 %	40 %	16 %	0 %	76 %
05/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	96 %	100 %	42 %	0 %	0 %	76 %
06/10/2009	100 %	100 %	100 %	99 %	95 %	100 %	87 %	75 %	51 %	0 %	0 %	74 %
07/10/2009	84 %	100 %	100 %	31 %	92 %	100 %	80 %	96 %	58 %	0 %	0 %	67 %
08/10/2009	100 %	95 %	100 %	100 %	64 %	100 %	85 %	19 %	93 %	0 %	51 %	73 %
09/10/2009	99 %	100 %	100 %	100 %	61 %	100 %	88 %	47 %	100 %	31 %	100 %	84 %
10/10/2009	95 %	100 %	100 %	100 %	21 %	100 %	100 %	100 %	88 %	74 %	97 %	89 %
11/10/2009	93 %	100 %	100 %	100 %	100 %	100 %	96 %	92 %	96 %	77 %	75 %	94 %
12/10/2009	96 %	100 %	100 %	100 %	96 %	100 %	100 %	88 %	7 %	88 %	93 %	88 %
13/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	96 %	97 %	19 %	64 %	58 %	85 %
14/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	9 %	93 %	35 %	85 %
15/10/2009	100 %	92 %	100 %	100 %	92 %	100 %	99 %	100 %	10 %	85 %	4 %	80 %
16/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	59 %	100 %	60 %	52 %	100 %	88 %
17/10/2009	100 %	100 %	100 %	100 %	93 %	100 %	76 %	100 %	0 %	7 %	N/A	78 %
18/10/2009	100 %	100 %	100 %	100 %	92 %	100 %	100 %	100 %	0 %	76 %	N/A	87 %
19/10/2009	100 %	100 %	100 %	100 %	100 %	92 %	91 %	92 %	0 %	100 %	100 %	88 %
20/10/2009	100 %	100 %	100 %	79 %	100 %	100 %	84 %	86 %	0 %	92 %	N/A	84 %
21/10/2009	91 %	68 %	100 %	100 %	100 %	100 %	69 %	100 %	0 %	100 %	N/A	83 %
22/10/2009	100 %	92 %	92 %	100 %	76 %	100 %	92 %	100 %	0 %	92 %	N/A	85 %
23/10/2009	100 %	100 %	100 %	96 %	100 %	100 %	100 %	100 %	0 %	92 %	100 %	89 %
24/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	0 %	100 %	0 %	89 %
25/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	0 %	100 %	N/A	90 %
26/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	0 %	91 %	0 %	85 %
27/10/2009	100 %	92 %	100 %	100 %	100 %	100 %	100 %	100 %	0 %	100 %	0 %	88 %
28/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	92 %	92 %	0 %	100 %	15 %	83 %
29/10/2009	100 %	84 %	100 %	100 %	100 %	100 %	100 %	100 %	0 %	100 %	8 %	81 %
30/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	0 %	100 %	4 %	82 %
31/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	0 %	100 %	0 %	82 %
Average	98 %	98 %	100 %	92 %	91 %	98 %	92 %	92 %	25 %	69 %	31 %	82 %

Average Reliability for all sites: 82 %

Average Reliability for 8 best sites 95 %



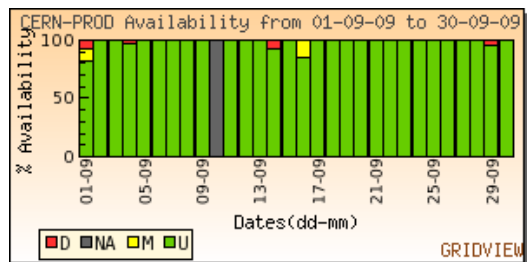
Availability of WLCG Tier-1 Sites + CERN for ATLAS

September 2009

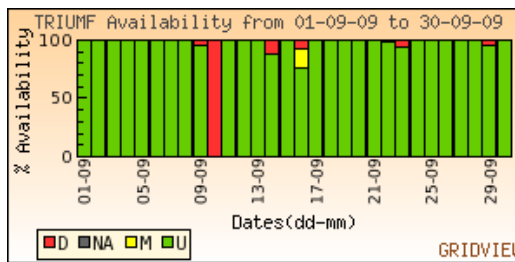
Data from SAM and Gridview

Availability is calculated as $\text{uptime} / (\text{total_time} - \text{time_status_was_UNKNOWN})$

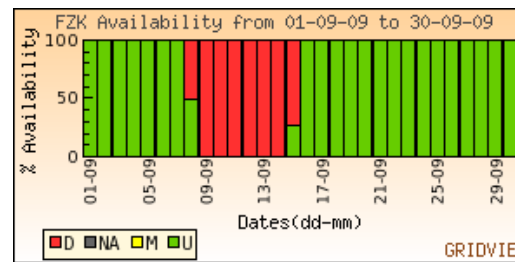
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



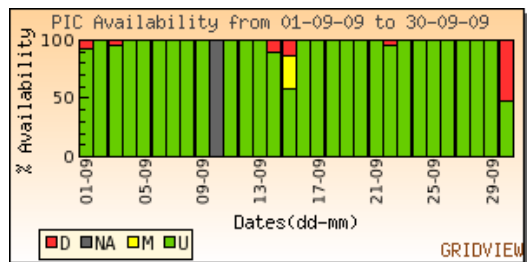
CERN Avail : 98 % Unkn : 8 %



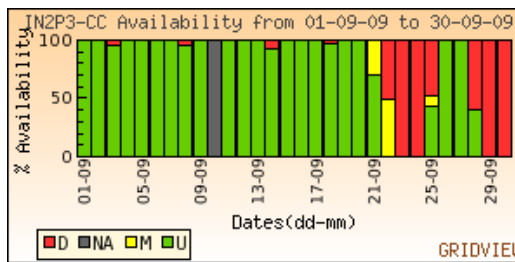
CA-TRIUMF Avail : 98 % Unkn : 7 %



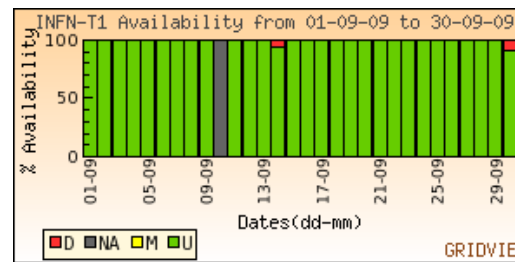
DE-KIT Avail : 76 % Unkn : 0 %



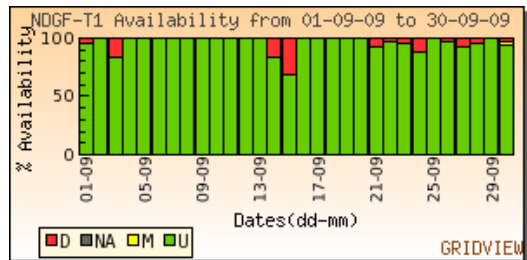
ES-PIC Avail : 96 % Unkn : 8 %



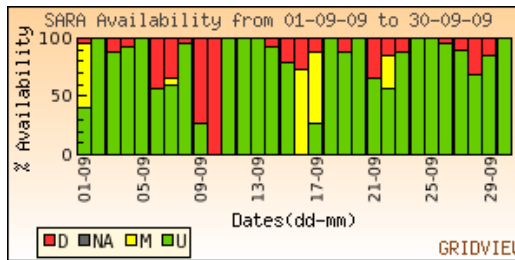
FR-CCIN2P3 Avail : 76 % Unkn : 8 %



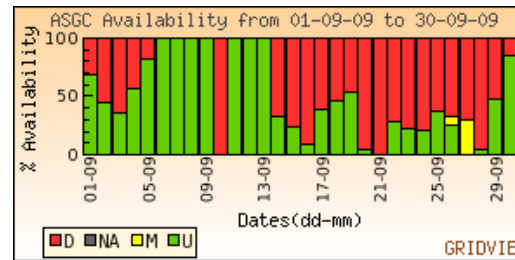
IT-INFN-CNAF Avail : 99 % Unkn : 8 %



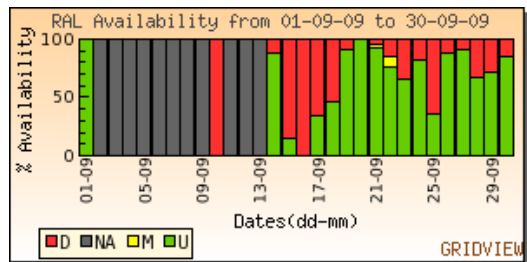
NDGF Avail : 96 % Unkn : 0 %



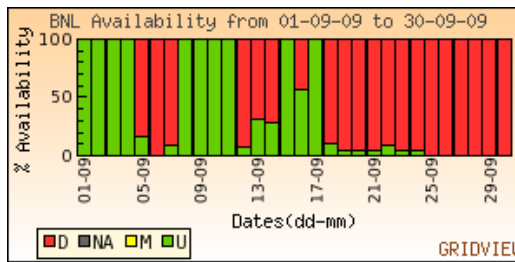
NL-T1 Avail : 79 % Unkn : 7 %



TW-ASGC Avail : 48 % Unkn : 7 %



UK-T1-RAL Avail : 65 % Unkn : 44 %



US-T1-BNL Avail : 7 % Unkn : 48 %



Service Availability Data for WLCG Tier-1s + CERN for ATLAS

September 2009

Data from SAM and Gridview

Reliability = uptime / (total_time - scheduled_downtime - time_status_was_UNKNOWN) **Availability** = uptime / (total_time - time_status_was_UNKNOWN)

Target reliability for each site is 97 % and Target for 8 best sites is 98 %

Availability

Colour Coding Limits :

>= TARGET: 97 %

90% OF TARGET:

87 %

Unkn : Unknown

Date	CA-TRIUMF		CERN		DE-KIT		ES-PIC		FR-CCIN2P3		IT-INFN-CNAF		NDGF		NL-T1		TW-ASGC		UK-T1-RAL		US-T1-BNL		Average	
	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn
01/09/2009	100	0	82	0	100	0	92	0	100	0	100	0	96	0	40	0	69	0	100	96	100	96	87	17
02/09/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	45	0	N/A	100	100	96	94	18
03/09/2009	100	0	100	0	100	0	96	0	96	0	100	0	84	0	88	0	36	0	N/A	100	100	96	89	18
04/09/2009	100	0	97	0	100	0	100	0	100	0	100	0	100	0	93	0	57	0	N/A	100	100	96	94	18
05/09/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	83	0	N/A	100	16	74	96	16
06/09/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	57	0	100	0	N/A	100	0	0	86	9
07/09/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	60	0	100	0	N/A	100	10	30	89	12
08/09/2009	100	0	100	0	49	0	100	0	96	0	100	0	100	0	96	0	100	0	N/A	100	100	96	93	18
09/09/2009	96	49	100	52	0	0	100	53	100	52	100	52	100	0	27	44	100	52	N/A	100	100	96	74	50
10/09/2009	0	98	N/A	100	0	0	N/A	100	N/A	100	N/A	100	100	0	0	96	0	68	0	85	100	96	40	77
11/09/2009	100	76	100	76	0	0	100	75	100	77	100	75	100	0	100	83	100	76	N/A	100	100	96	73	67
12/09/2009	100	0	100	0	0	0	100	0	100	0	100	0	100	0	100	0	100	0	N/A	100	8	46	84	13
13/09/2009	100	0	100	0	0	0	100	0	100	0	100	0	100	0	100	0	100	0	N/A	100	31	87	88	17
14/09/2009	88	0	92	0	0	0	89	0	93	0	93	0	84	0	93	0	32	0	87	42	28	85	74	12
15/09/2009	100	0	100	0	27	0	58	0	100	0	100	0	68	0	80	0	24	0	15	0	100	96	67	9
16/09/2009	75	0	85	0	100	0	100	0	100	0	100	0	100	0	0	0	9	0	0	0	56	93	67	8
17/09/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	26	0	39	0	35	0	100	96	80	9
18/09/2009	100	0	100	0	100	0	100	0	97	0	100	0	100	0	100	0	47	0	46	0	11	62	86	6
19/09/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	88	0	54	0	91	0	4	0	85	0
20/09/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0	5	0	100	0	4	0	83	0
21/09/2009	100	0	100	0	100	0	100	0	71	0	100	0	92	0	66	0	0	0	93	0	4	0	75	0
22/09/2009	98	0	100	0	100	0	96	0	0	0	100	0	96	0	57	0	28	0	76	0	8	0	69	0
23/09/2009	94	0	100	0	100	0	100	0	0	0	100	0	96	0	88	0	23	0	65	0	4	0	70	0
24/09/2009	100	0	100	0	100	0	100	0	0	0	100	0	88	0	100	0	21	0	82	0	4	0	72	0
25/09/2009	100	0	100	0	100	0	100	0	43	0	100	0	100	0	100	0	37	0	35	0	0	0	74	0
26/09/2009	100	0	100	0	100	0	100	0	100	0	100	0	96	0	95	0	25	0	89	0	0	0	82	0
27/09/2009	100	0	100	0	100	0	100	0	100	0	100	0	93	0	89	0	0	0	91	0	0	0	79	0
28/09/2009	100	0	100	0	100	0	100	0	40	0	100	0	95	0	69	0	4	0	68	0	0	0	71	0
29/09/2009	96	0	96	0	100	0	100	0	0	0	100	0	100	0	86	0	48	0	71	0	0	0	72	0
30/09/2009	100	0	100	0	100	0	48	0	0	0	90	0	93	0	100	0	84	0	86	0	0	0	73	0
Average	98	7	98	8	76	0	96	8	76	8	99	8	96	0	79	7	48	7	65	44	7	48	80	13

Average Availability for all sites: 80 %

Average Availability for 8 best sites : 90 %



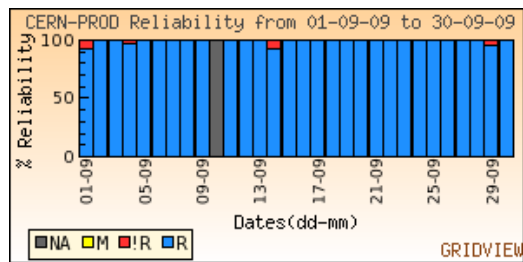
Reliability of WLCG Tier-1 Sites + CERN for ATLAS

September 2009

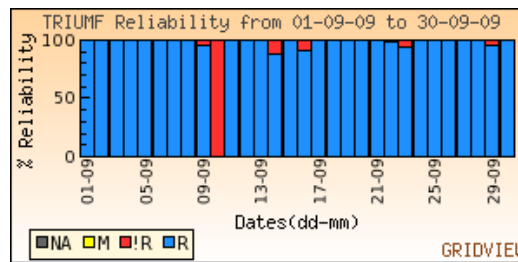
Data from SAM and Gridview

Reliability is calculated as $\text{uptime} / (\text{total_time} - \text{scheduled_downtime} - \text{time_status_was_UNKNOWN})$

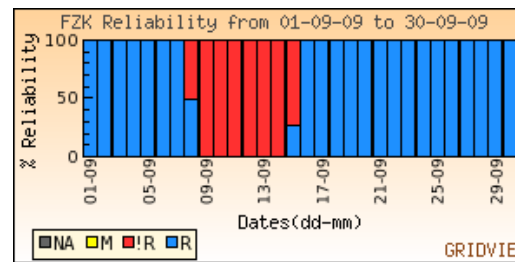
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



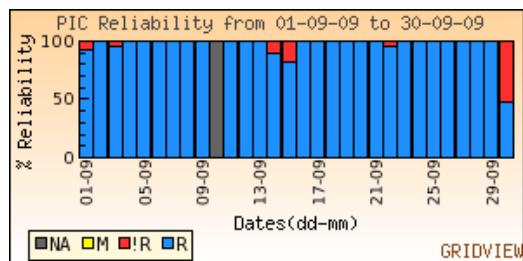
CERN Rel : 99 %



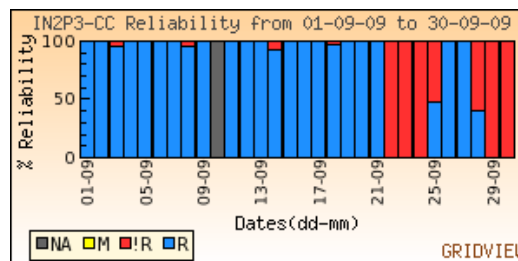
CA-TRIUMF Rel : 99 %



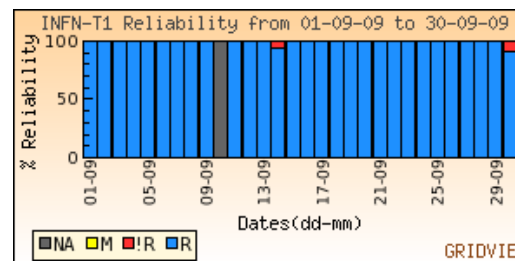
DE-KIT Rel : 76 %



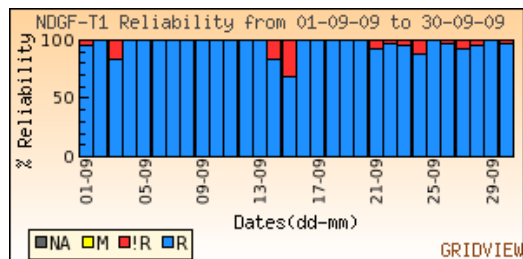
ES-PIC Rel : 97 %



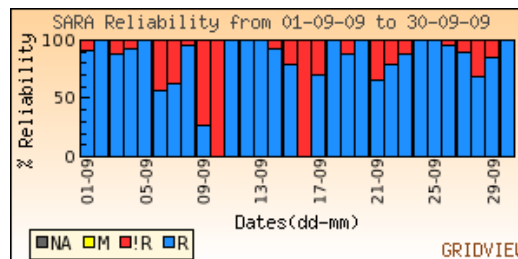
FR-CCIN2P3 Rel : 78 %



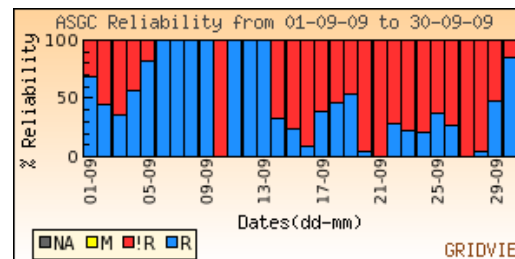
IT-INFN-CNAF Rel : 99 %



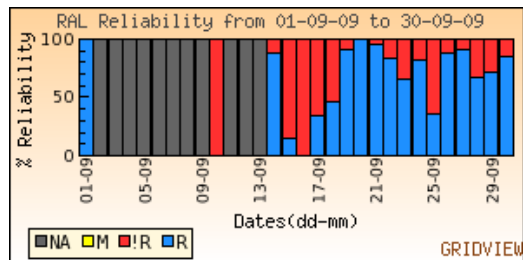
NDGF Rel : 96 %



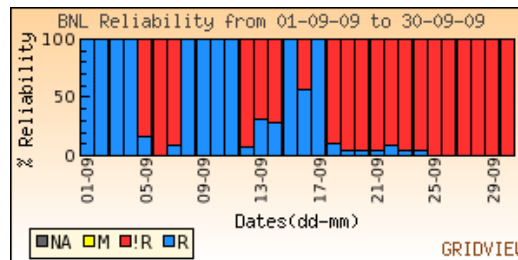
NL-T1 Rel : 86 %



TW-ASGC Rel : 48 %



UK-T1-RAL Rel : 66 %



US-T1-BNL Rel : 7 %



Service Availability Data for WLCG Tier-1s + CERN for ATLAS

September 2009

Data from SAM and Gridview

Reliability = uptime / (total_time - scheduled_downtime - time_status_was_UNKNOWN) **Availability** = uptime / (total_time - time_status_was_UNKNOWN)

Target reliability for each site is 97 % and Target for 8 best sites is 98 %

Reliability

Colour Coding Limits :

>= TARGET: 97 %

90% OF TARGET: 87 %

Date	CA-TRIUMF	CERN	DE-KIT	ES-PIC	FR-CCIN2P3	IT-INFN-CNAF	NDGF	NL-T1	TW-ASGC	UK-T1-RAL	US-T1-BNL	Average Reliability
01/09/2009	100 %	92 %	100 %	92 %	100 %	100 %	96 %	90 %	69 %	100 %	100 %	94 %
02/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	45 %	N/A	100 %	94 %
03/09/2009	100 %	100 %	100 %	96 %	96 %	100 %	84 %	88 %	36 %	N/A	100 %	89 %
04/09/2009	100 %	97 %	100 %	100 %	100 %	100 %	100 %	93 %	57 %	N/A	100 %	94 %
05/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	83 %	N/A	16 %	96 %
06/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	57 %	100 %	N/A	0 %	86 %
07/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	63 %	100 %	N/A	10 %	90 %
08/09/2009	100 %	100 %	49 %	100 %	96 %	100 %	100 %	96 %	100 %	N/A	100 %	93 %
09/09/2009	96 %	100 %	0 %	100 %	100 %	100 %	100 %	27 %	100 %	N/A	100 %	74 %
10/09/2009	0 %	N/A	0 %	N/A	N/A	N/A	100 %	0 %	0 %	0 %	100 %	40 %
11/09/2009	100 %	100 %	0 %	100 %	100 %	100 %	100 %	100 %	100 %	N/A	100 %	73 %
12/09/2009	100 %	100 %	0 %	100 %	100 %	100 %	100 %	100 %	100 %	N/A	8 %	84 %
13/09/2009	100 %	100 %	0 %	100 %	100 %	100 %	100 %	100 %	100 %	N/A	31 %	88 %
14/09/2009	88 %	92 %	0 %	89 %	93 %	93 %	84 %	93 %	32 %	87 %	28 %	74 %
15/09/2009	100 %	100 %	27 %	82 %	100 %	100 %	68 %	80 %	24 %	15 %	100 %	69 %
16/09/2009	91 %	100 %	100 %	100 %	100 %	100 %	100 %	0 %	9 %	0 %	56 %	75 %
17/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	70 %	39 %	35 %	100 %	85 %
18/09/2009	100 %	100 %	100 %	100 %	97 %	100 %	100 %	100 %	47 %	46 %	11 %	86 %
19/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	88 %	54 %	91 %	4 %	85 %
20/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %	5 %	100 %	4 %	83 %
21/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	92 %	66 %	0 %	95 %	4 %	77 %
22/09/2009	98 %	100 %	100 %	96 %	0 %	100 %	96 %	79 %	28 %	84 %	8 %	75 %
23/09/2009	94 %	100 %	100 %	100 %	0 %	100 %	96 %	88 %	23 %	65 %	4 %	70 %
24/09/2009	100 %	100 %	100 %	100 %	0 %	100 %	88 %	100 %	21 %	82 %	4 %	72 %
25/09/2009	100 %	100 %	100 %	100 %	48 %	100 %	100 %	100 %	37 %	35 %	0 %	75 %
26/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	96 %	95 %	27 %	89 %	0 %	83 %
27/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	93 %	89 %	0 %	91 %	0 %	82 %
28/09/2009	100 %	100 %	100 %	100 %	40 %	100 %	95 %	69 %	4 %	68 %	0 %	71 %
29/09/2009	96 %	96 %	100 %	100 %	0 %	100 %	100 %	86 %	48 %	71 %	0 %	72 %
30/09/2009	100 %	100 %	100 %	48 %	0 %	90 %	97 %	100 %	84 %	86 %	0 %	73 %
Average	99 %	99 %	76 %	97 %	78 %	99 %	96 %	86 %	48 %	66 %	7 %	81 %

Average Reliability for all sites: 81 %

Average Reliability for 8 best sites 91 %