



Availability of WLCG Tier-1 Sites + CERN for LHCb

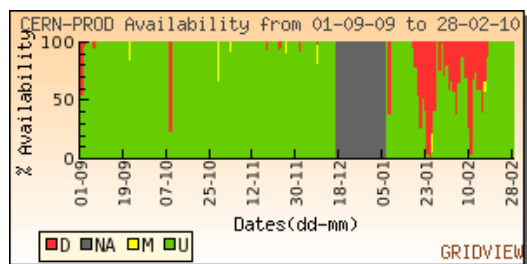
September 2009 - February 2010

Data from SAM and Gridview

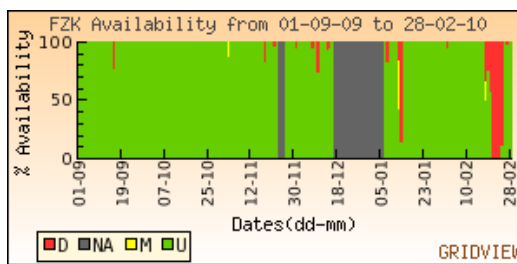
Plots show Availability for last 6 Months

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

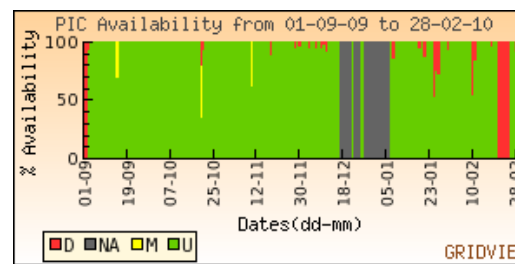
Target reliability for each site is 97 % and Target for 8 best sites is 98 % from January, 2009



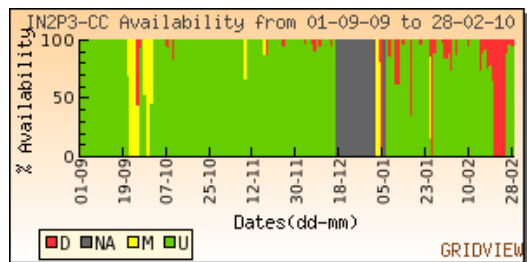
CERN Avail : 90 % Unkn : 13 %



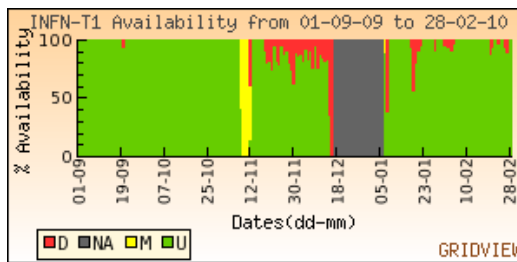
DE-KIT Avail : 94 % Unkn : 16 %



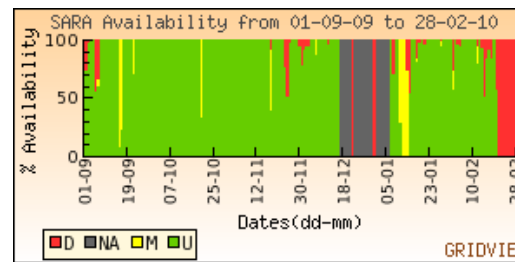
ES-PIC Avail : 94 % Unkn : 14 %



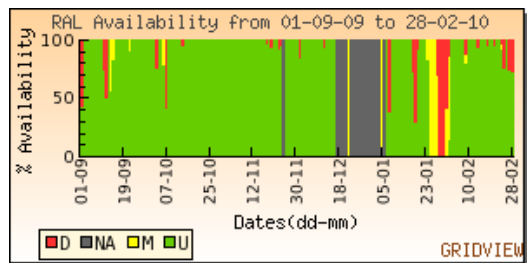
FR-CCIN2P3 Avail : 87 % Unkn : 13 %



IT-INFN-CNAF Avail : 93 % Unkn : 14 %



NL-T1 Avail : 87 % Unkn : 14 %



UK-T1-RAL Avail : 90 % Unkn : 14 %



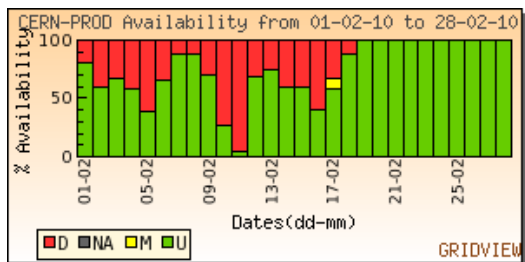
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February 2010

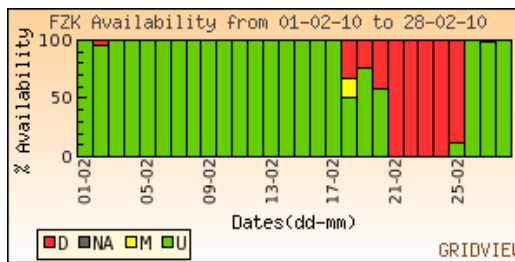
Data from SAM and Gridview

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

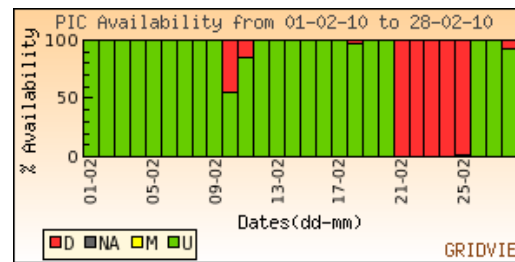
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



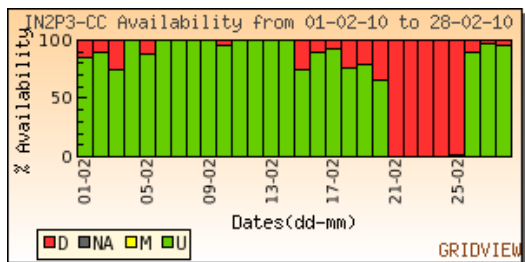
CERN Avail : 75 % Unkn : 0 %



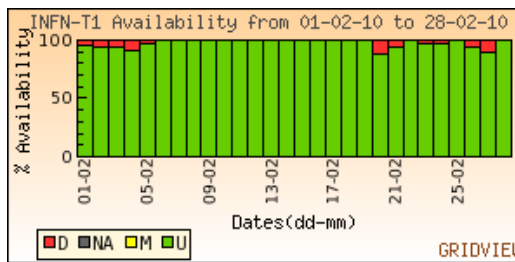
DE-KIT Avail : 78 % Unkn : 0 %



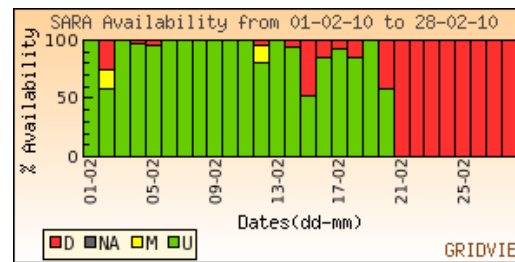
ES-PIC Avail : 80 % Unkn : 3 %



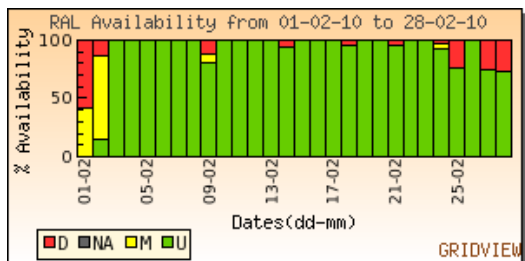
FR-CCIN2P3 Avail : 75 % Unkn : 1 %



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



NL-T1 Avail : 64 % Unkn : 0 %



UK-T1-RAL Avail : 89 % Unkn : 0 %



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

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	CERN		DE-KIT		ES-PIC		FR-CCIN2P3		IT-INFN-CNAF		NL-T1		UK-T1-RAL		Average	
	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn
01/02/2010	81	0	100	0	100	0	85	0	96	0	100	0	0	0	80	0
02/02/2010	60	0	96	0	100	0	90	0	94	0	58	0	14	0	73	0
03/02/2010	66	0	100	0	100	0	74	0	93	0	100	0	100	0	91	0
04/02/2010	58	0	100	0	100	0	100	0	91	0	97	0	100	0	92	0
05/02/2010	38	0	100	0	100	14	88	0	98	0	95	0	100	0	88	2
06/02/2010	66	0	100	0	100	35	100	0	100	0	100	0	100	0	95	5
07/02/2010	87	0	100	0	100	0	100	0	100	0	100	0	100	0	98	0
08/02/2010	88	0	100	0	100	0	100	0	100	0	100	0	100	0	98	0
09/02/2010	70	0	100	0	100	0	100	0	100	0	100	0	81	0	93	0
10/02/2010	27	12	100	12	55	12	96	9	100	12	100	12	100	13	83	12
11/02/2010	4	0	100	0	85	0	100	0	100	0	100	0	100	0	84	0
12/02/2010	69	0	100	0	100	0	100	0	100	0	81	0	100	0	93	0
13/02/2010	74	0	100	0	100	0	100	10	100	0	100	0	100	0	96	1
14/02/2010	59	0	100	0	100	0	100	0	100	0	94	0	94	0	93	0
15/02/2010	60	0	100	0	100	0	75	0	100	0	53	0	100	0	84	0
16/02/2010	41	0	100	0	100	0	90	0	100	0	85	0	100	0	88	0
17/02/2010	59	0	100	0	100	0	92	0	100	0	92	0	100	0	92	0
18/02/2010	87	0	50	0	96	0	76	0	100	0	84	0	96	0	84	0
19/02/2010	100	0	76	0	100	0	80	0	100	0	100	0	100	0	94	0
20/02/2010	100	0	58	0	100	0	65	0	87	0	58	0	100	0	81	0
21/02/2010	100	0	0	0	0	0	0	0	95	0	0	0	95	0	41	0
22/02/2010	100	0	0	0	0	0	0	0	100	0	0	0	100	0	43	0
23/02/2010	100	0	0	0	0	0	0	0	96	0	0	0	100	0	42	0
24/02/2010	100	0	0	0	0	0	0	0	98	0	0	0	93	0	41	0
25/02/2010	100	0	11	0	1	19	1	0	100	0	0	0	75	0	42	3
26/02/2010	100	0	100	0	100	0	90	0	94	0	0	0	100	0	83	0
27/02/2010	100	0	98	0	100	0	97	0	90	0	0	0	75	0	80	0
28/02/2010	100	0	100	0	93	0	96	0	100	0	0	0	74	0	80	0
Average	75	0	78	0	80	3	75	1	98	0	64	0	89	0	80	1

Average Availability for all sites: 80 %

Average Availability for 8 best sites : 80 %



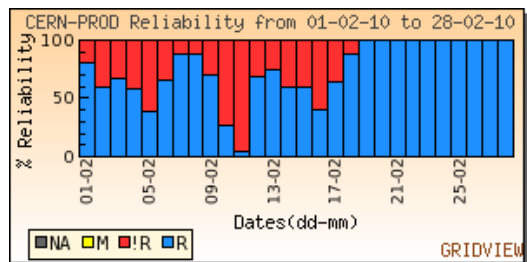
Reliability of WLCG Tier-1 Sites + CERN for LHCb

February 2010

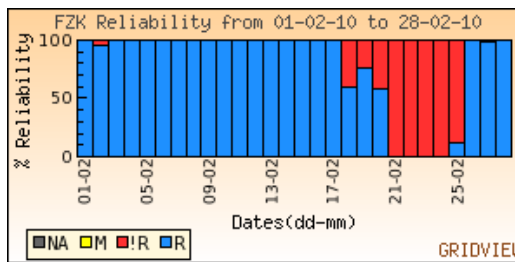
Data from SAM and Gridview

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

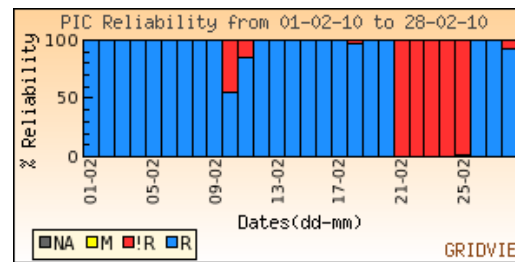
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



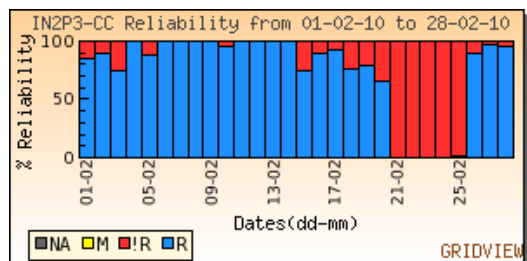
CERN Rel : 75 %



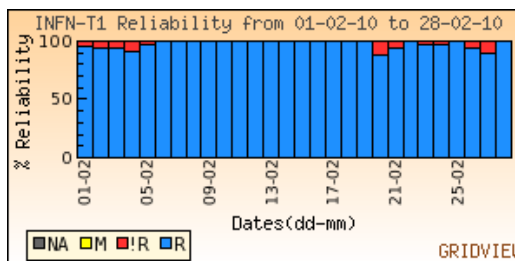
DE-KIT Rel : 79 %



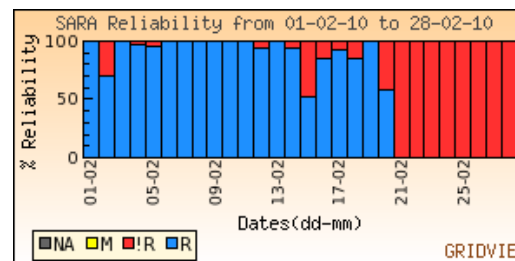
ES-PIC Rel : 80 %



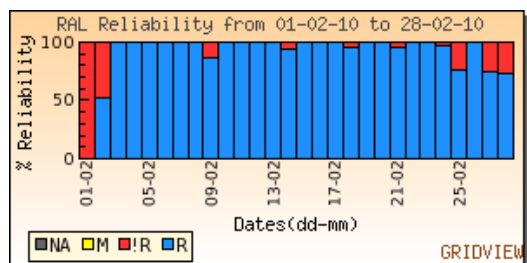
FR-CCIN2P3 Rel : 75 %



IT-INFN-CNAF Rel : 98 %



NL-T1 Rel : 65 %



UK-T1-RAL Rel : 93 %



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

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	CERN	DE-KIT	ES-PIC	FR-CCIN2P3	IT-INFN-CNAF	NL-T1	UK-T1-RAL	Average Reliability
01/02/2010	81 %	100 %	100 %	85 %	96 %	100 %	0 %	85 %
02/02/2010	60 %	96 %	100 %	90 %	94 %	70 %	52 %	84 %
03/02/2010	66 %	100 %	100 %	74 %	93 %	100 %	100 %	91 %
04/02/2010	58 %	100 %	100 %	100 %	91 %	97 %	100 %	92 %
05/02/2010	38 %	100 %	100 %	88 %	98 %	95 %	100 %	88 %
06/02/2010	66 %	100 %	100 %	100 %	100 %	100 %	100 %	95 %
07/02/2010	87 %	100 %	100 %	100 %	100 %	100 %	100 %	98 %
08/02/2010	88 %	100 %	100 %	100 %	100 %	100 %	100 %	98 %
09/02/2010	70 %	100 %	100 %	100 %	100 %	100 %	87 %	94 %
10/02/2010	27 %	100 %	55 %	96 %	100 %	100 %	100 %	83 %
11/02/2010	4 %	100 %	85 %	100 %	100 %	100 %	100 %	84 %
12/02/2010	69 %	100 %	100 %	100 %	100 %	94 %	100 %	95 %
13/02/2010	74 %	100 %	100 %	100 %	100 %	100 %	100 %	96 %
14/02/2010	59 %	100 %	100 %	100 %	100 %	94 %	94 %	93 %
15/02/2010	60 %	100 %	100 %	75 %	100 %	53 %	100 %	84 %
16/02/2010	41 %	100 %	100 %	90 %	100 %	85 %	100 %	88 %
17/02/2010	64 %	100 %	100 %	92 %	100 %	92 %	100 %	93 %
18/02/2010	87 %	60 %	96 %	76 %	100 %	84 %	96 %	86 %
19/02/2010	100 %	76 %	100 %	80 %	100 %	100 %	100 %	94 %
20/02/2010	100 %	58 %	100 %	65 %	87 %	58 %	100 %	81 %
21/02/2010	100 %	0 %	0 %	0 %	95 %	0 %	95 %	41 %
22/02/2010	100 %	0 %	0 %	0 %	100 %	0 %	100 %	43 %
23/02/2010	100 %	0 %	0 %	0 %	96 %	0 %	100 %	42 %
24/02/2010	100 %	0 %	0 %	0 %	98 %	0 %	97 %	42 %
25/02/2010	100 %	11 %	1 %	1 %	100 %	0 %	75 %	42 %
26/02/2010	100 %	100 %	100 %	90 %	94 %	0 %	100 %	83 %
27/02/2010	100 %	98 %	100 %	97 %	90 %	0 %	75 %	80 %
28/02/2010	100 %	100 %	93 %	96 %	100 %	0 %	74 %	80 %
Average	75 %	79 %	80 %	75 %	98 %	65 %	93 %	81 %

Average Reliability for all sites: 81 %

Average Reliability for 8 best sites 81 %



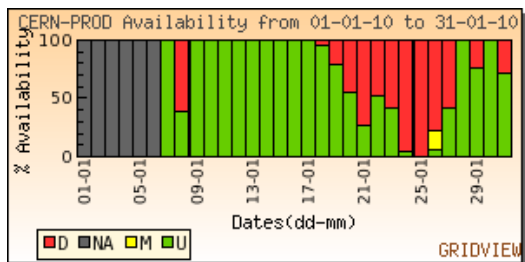
Availability of WLCG Tier-1 Sites + CERN for LHCb

January 2010

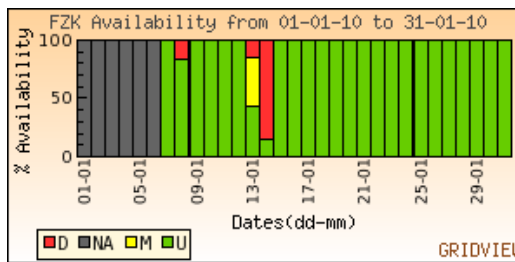
Data from SAM and Gridview

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

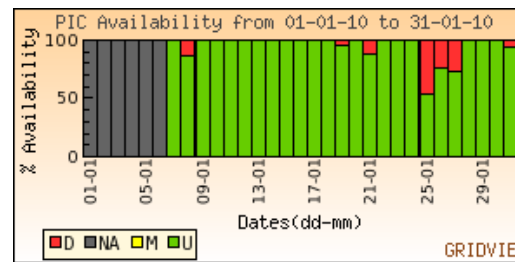
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



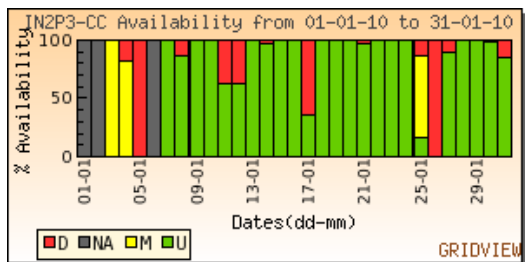
CERN Avail : 71 % Unkn : 22 %



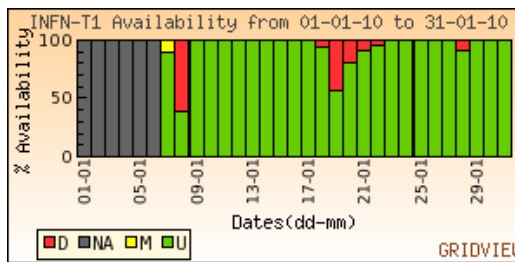
DE-KIT Avail : 93 % Unkn : 22 %



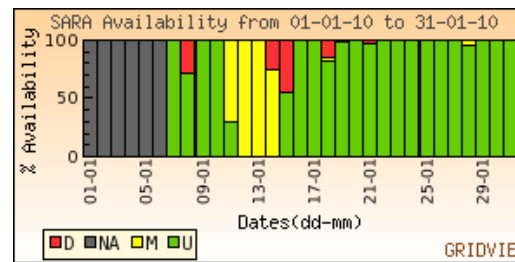
ES-PIC Avail : 94 % Unkn : 23 %



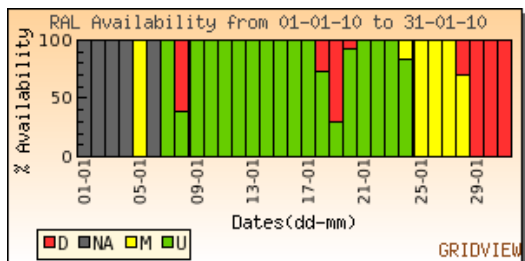
FR-CCIN2P3 Avail : 79 % Unkn : 16 %



IT-INFN-CNAF Avail : 95 % Unkn : 25 %



NL-T1 Avail : 81 % Unkn : 22 %



UK-T1-RAL Avail : 63 % Unkn : 21 %



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

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	CERN		DE-KIT		ES-PIC		FR-CCIN2P3		IT-INFN-CNAF		NL-T1		UK-T1-RAL		Average	
	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn
01/01/2010	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100
02/01/2010	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100
03/01/2010	N/A	100	N/A	100	N/A	100	0	79	N/A	100	N/A	100	N/A	100	0	97
04/01/2010	N/A	100	N/A	100	N/A	100	0	18	N/A	100	N/A	100	N/A	100	0	88
05/01/2010	N/A	100	N/A	100	N/A	100	0	39	N/A	100	N/A	100	0	79	0	88
06/01/2010	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100
07/01/2010	100	67	100	67	100	67	100	67	89	62	100	67	100	67	98	66
08/01/2010	39	0	83	0	87	0	86	0	39	0	71	0	39	0	64	0
09/01/2010	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
10/01/2010	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
11/01/2010	100	0	100	0	100	0	63	0	100	0	29	0	100	0	85	0
12/01/2010	100	0	100	0	100	0	62	0	100	0	0	0	100	0	80	0
13/01/2010	100	0	43	0	100	0	100	0	100	0	0	0	100	0	78	0
14/01/2010	100	0	15	0	100	50	97	0	100	0	0	0	100	0	71	7
15/01/2010	100	0	100	0	100	0	100	0	100	0	55	0	100	0	94	0
16/01/2010	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
17/01/2010	100	0	100	0	100	0	35	0	100	0	100	0	100	0	91	0
18/01/2010	96	0	100	0	100	4	100	0	94	21	81	0	73	0	92	4
19/01/2010	79	0	100	0	95	0	100	0	57	89	98	0	30	0	83	13
20/01/2010	55	0	100	0	100	0	100	0	81	11	100	0	93	0	90	2
21/01/2010	27	0	100	0	89	0	96	0	90	0	96	0	100	0	86	0
22/01/2010	53	0	100	0	100	0	100	0	96	0	100	0	100	0	93	0
23/01/2010	42	0	100	0	100	0	100	0	100	0	100	0	100	0	92	0
24/01/2010	4	0	100	0	100	0	100	0	100	0	100	0	83	0	84	0
25/01/2010	0	0	100	0	53	0	17	0	100	0	100	0	0	0	53	0
26/01/2010	6	0	100	1	76	0	0	0	100	0	100	0	0	0	55	0
27/01/2010	41	0	100	0	73	6	90	0	100	0	100	0	0	0	72	1
28/01/2010	100	0	100	0	100	0	100	0	92	0	95	0	0	0	84	0
29/01/2010	75	0	100	0	100	0	100	0	100	0	100	0	0	0	82	0
30/01/2010	100	0	100	0	100	0	98	0	100	0	100	0	0	0	85	0
31/01/2010	72	0	100	0	94	0	85	0	100	0	100	0	0	0	79	0
Average	71	22	93	22	94	23	79	16	95	25	81	22	63	21	82	21

Average Availability for all sites: 82 %

Average Availability for 8 best sites : 82 %



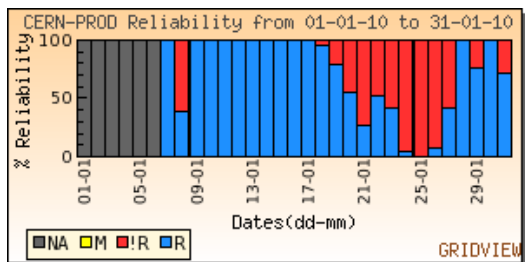
Reliability of WLCG Tier-1 Sites + CERN for LHCb

January 2010

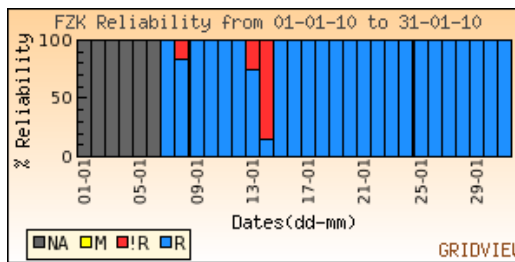
Data from SAM and Gridview

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

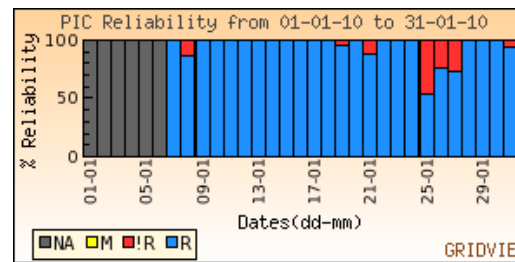
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



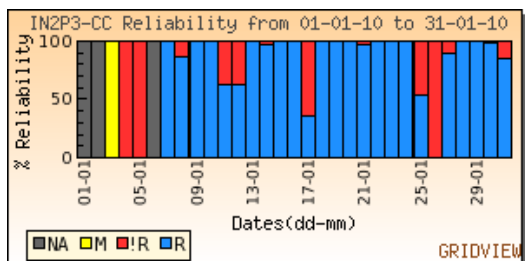
CERN Rel : 71 %



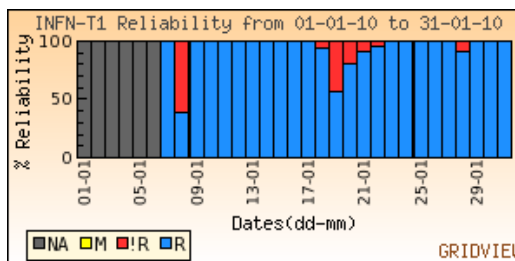
DE-KIT Rel : 95 %



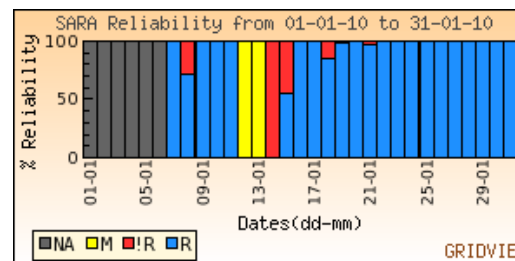
ES-PIC Rel : 94 %



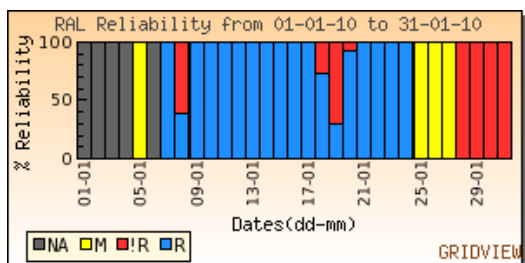
FR-CCIN2P3 Rel : 85 %



IT-INFN-CNAF Rel : 95 %



NL-T1 Rel : 94 %



UK-T1-RAL Rel : 76 %



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

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	CERN	DE-KIT	ES-PIC	FR-CCIN2P3	IT-INFN-CNAF	NL-T1	UK-T1-RAL	Average Reliability
01/01/2010	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
02/01/2010	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
03/01/2010	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
04/01/2010	N/A	N/A	N/A	0 %	N/A	N/A	N/A	0 %
05/01/2010	N/A	N/A	N/A	0 %	N/A	N/A	N/A	0 %
06/01/2010	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
07/01/2010	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
08/01/2010	39 %	83 %	87 %	86 %	39 %	71 %	39 %	64 %
09/01/2010	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
10/01/2010	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
11/01/2010	100 %	100 %	100 %	63 %	100 %	100 %	100 %	94 %
12/01/2010	100 %	100 %	100 %	62 %	100 %	N/A	100 %	94 %
13/01/2010	100 %	75 %	100 %	100 %	100 %	N/A	100 %	97 %
14/01/2010	100 %	15 %	100 %	97 %	100 %	0 %	100 %	80 %
15/01/2010	100 %	100 %	100 %	100 %	100 %	55 %	100 %	94 %
16/01/2010	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
17/01/2010	100 %	100 %	100 %	35 %	100 %	100 %	100 %	91 %
18/01/2010	96 %	100 %	100 %	100 %	94 %	85 %	73 %	93 %
19/01/2010	79 %	100 %	95 %	100 %	57 %	98 %	30 %	83 %
20/01/2010	55 %	100 %	100 %	100 %	81 %	100 %	93 %	90 %
21/01/2010	27 %	100 %	89 %	96 %	90 %	96 %	100 %	86 %
22/01/2010	53 %	100 %	100 %	100 %	96 %	100 %	100 %	93 %
23/01/2010	42 %	100 %	100 %	100 %	100 %	100 %	100 %	92 %
24/01/2010	4 %	100 %	100 %	100 %	100 %	100 %	100 %	86 %
25/01/2010	0 %	100 %	53 %	54 %	100 %	100 %	N/A	70 %
26/01/2010	7 %	100 %	76 %	0 %	100 %	100 %	N/A	65 %
27/01/2010	41 %	100 %	73 %	90 %	100 %	100 %	N/A	84 %
28/01/2010	100 %	100 %	100 %	100 %	92 %	100 %	0 %	94 %
29/01/2010	75 %	100 %	100 %	100 %	100 %	100 %	0 %	82 %
30/01/2010	100 %	100 %	100 %	98 %	100 %	100 %	0 %	85 %
31/01/2010	72 %	100 %	94 %	85 %	100 %	100 %	0 %	79 %
Average	71 %	95 %	94 %	85 %	95 %	94 %	76 %	87 %

Average Reliability for all sites: 87 %

Average Reliability for 8 best sites 87 %



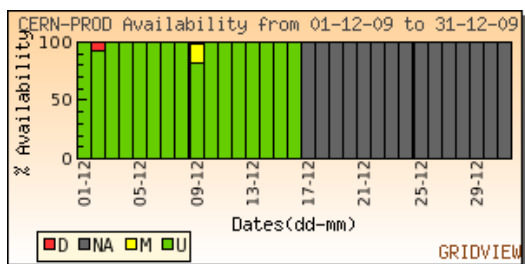
Availability of WLCG Tier-1 Sites + CERN for LHCb

December 2009

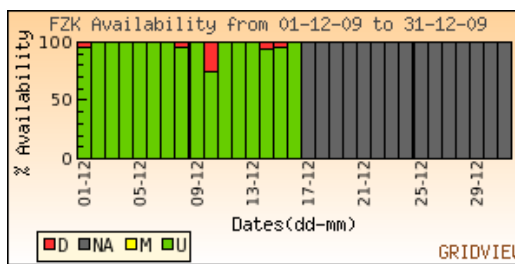
Data from SAM and Gridview

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

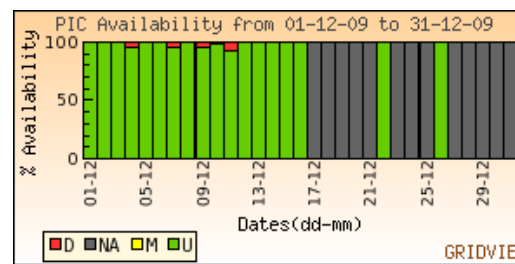
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



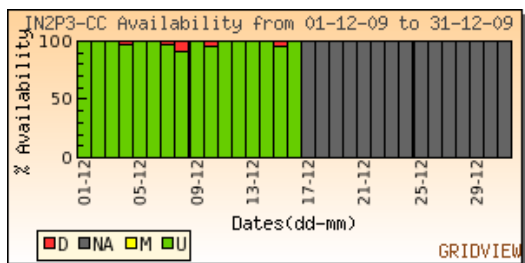
CERN Avail : 98 % Unkn : 50 %



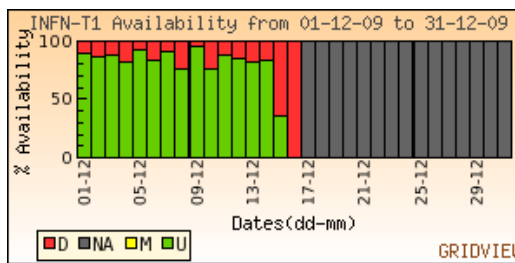
DE-KIT Avail : 97 % Unkn : 53 %



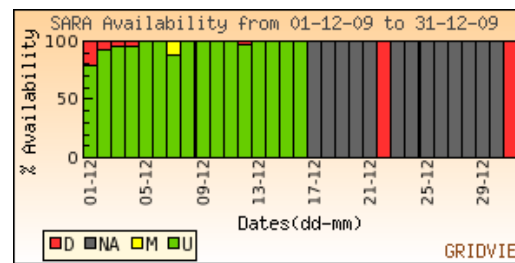
ES-PIC Avail : 99 % Unkn : 51 %



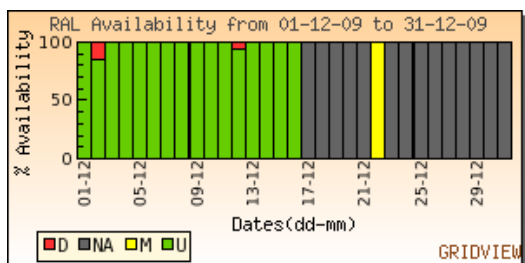
FR-CCIN2P3 Avail : 98 % Unkn : 50 %



IT-INFN-CNAF Avail : 81 % Unkn : 50 %



NL-T1 Avail : 96 % Unkn : 50 %



UK-T1-RAL Avail : 97 % Unkn : 50 %



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

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	CERN		DE-KIT		ES-PIC		FR-CCIN2P3		IT-INFN-CNAF		NL-T1		UK-T1-RAL		Average	
	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn
01/12/2009	100	0	95	0	100	0	100	0	89	0	80	0	100	0	95	0
02/12/2009	92	0	100	0	100	0	100	0	86	0	93	0	85	0	94	0
03/12/2009	100	0	100	64	100	0	100	0	89	0	96	0	100	0	98	9
04/12/2009	100	0	100	0	96	0	97	0	82	0	96	0	100	0	96	0
05/12/2009	100	0	100	0	100	0	100	0	93	0	100	0	100	0	99	0
06/12/2009	100	0	100	0	100	0	100	0	84	0	100	0	100	0	98	0
07/12/2009	100	0	100	0	96	0	97	0	92	0	88	0	100	0	96	0
08/12/2009	100	0	96	0	100	27	90	0	76	0	100	0	100	0	94	4
09/12/2009	82	0	100	0	96	0	100	0	96	0	100	0	100	0	96	0
10/12/2009	100	0	75	0	98	0	95	0	76	0	100	0	100	0	92	0
11/12/2009	100	0	100	0	93	0	100	0	88	0	100	0	100	0	97	0
12/12/2009	100	0	100	0	100	0	100	0	85	0	97	0	94	0	97	0
13/12/2009	100	0	100	0	100	0	100	0	83	0	100	0	100	0	98	0
14/12/2009	100	0	95	0	100	0	100	0	83	0	100	0	100	0	97	0
15/12/2009	100	0	95	0	100	0	96	0	35	0	100	0	100	0	90	0
16/12/2009	100	61	100	65	100	65	100	65	0	65	100	65	100	65	86	64
17/12/2009	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100
18/12/2009	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100
19/12/2009	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100
20/12/2009	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100
21/12/2009	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100
22/12/2009	N/A	100	N/A	100	100	83	N/A	100	N/A	100	0	96	0	80	40	94
23/12/2009	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100
24/12/2009	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100
25/12/2009	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100
26/12/2009	N/A	100	N/A	100	100	96	N/A	100	N/A	100	N/A	100	N/A	100	100	99
27/12/2009	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100
28/12/2009	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100
29/12/2009	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100
30/12/2009	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100
31/12/2009	N/A	100	N/A	100	N/A	100	N/A	100	N/A	100	0	99	N/A	100	0	100
Average	98	50	97	53	99	51	98	50	81	50	96	50	97	50	95	51

Average Availability for all sites: 95 %

Average Availability for 8 best sites : 95 %



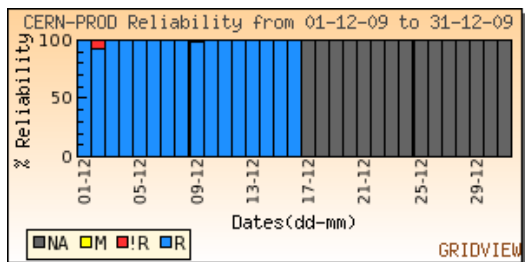
Reliability of WLCG Tier-1 Sites + CERN for LHCb

December 2009

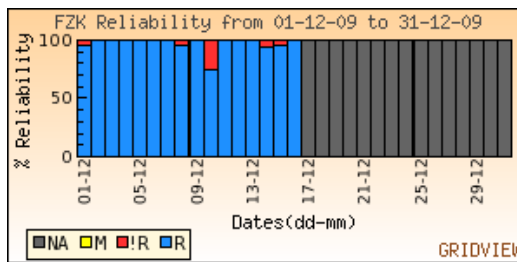
Data from SAM and Gridview

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

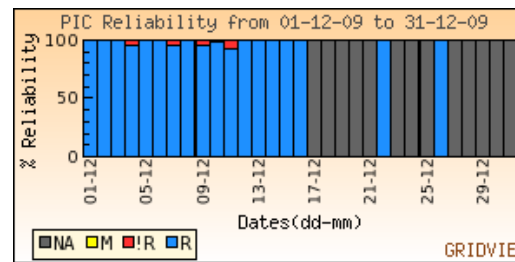
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



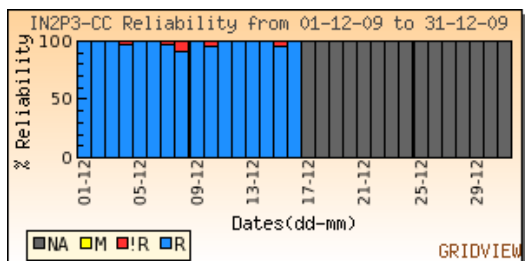
CERN Rel : 99 %



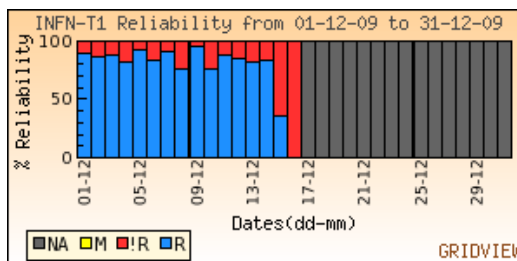
DE-KIT Rel : 97 %



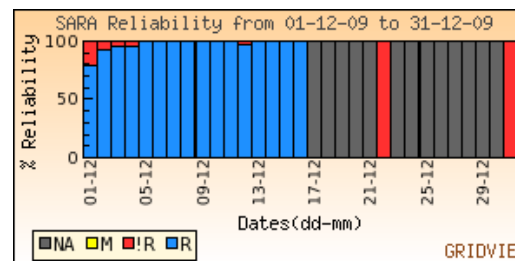
ES-PIC Rel : 99 %



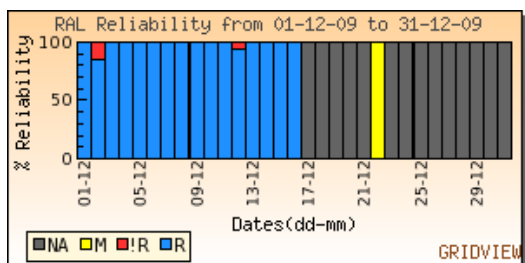
FR-CCIN2P3 Rel : 98 %



IT-INFN-CNAF Rel : 81 %



NL-T1 Rel : 97 %



UK-T1-RAL Rel : 99 %



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

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	CERN	DE-KIT	ES-PIC	FR-CCIN2P3	IT-INFN-CNAF	NL-T1	UK-T1-RAL	Average Reliability
01/12/2009	100 %	95 %	100 %	100 %	89 %	80 %	100 %	95 %
02/12/2009	92 %	100 %	100 %	100 %	86 %	93 %	85 %	94 %
03/12/2009	100 %	100 %	100 %	100 %	89 %	96 %	100 %	98 %
04/12/2009	100 %	100 %	96 %	97 %	82 %	96 %	100 %	96 %
05/12/2009	100 %	100 %	100 %	100 %	93 %	100 %	100 %	99 %
06/12/2009	100 %	100 %	100 %	100 %	84 %	100 %	100 %	98 %
07/12/2009	100 %	100 %	96 %	97 %	92 %	100 %	100 %	98 %
08/12/2009	100 %	96 %	100 %	90 %	76 %	100 %	100 %	94 %
09/12/2009	98 %	100 %	96 %	100 %	96 %	100 %	100 %	99 %
10/12/2009	100 %	75 %	98 %	95 %	76 %	100 %	100 %	92 %
11/12/2009	100 %	100 %	93 %	100 %	88 %	100 %	100 %	97 %
12/12/2009	100 %	100 %	100 %	100 %	85 %	97 %	94 %	97 %
13/12/2009	100 %	100 %	100 %	100 %	83 %	100 %	100 %	98 %
14/12/2009	100 %	95 %	100 %	100 %	83 %	100 %	100 %	97 %
15/12/2009	100 %	95 %	100 %	96 %	35 %	100 %	100 %	90 %
16/12/2009	100 %	100 %	100 %	100 %	0 %	100 %	100 %	86 %
17/12/2009	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18/12/2009	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
19/12/2009	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
20/12/2009	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
21/12/2009	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
22/12/2009	N/A	N/A	100 %	N/A	N/A	0 %	N/A	80 %
23/12/2009	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
24/12/2009	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
25/12/2009	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
26/12/2009	N/A	N/A	100 %	N/A	N/A	N/A	N/A	100 %
27/12/2009	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
28/12/2009	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
29/12/2009	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
30/12/2009	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
31/12/2009	N/A	N/A	N/A	N/A	N/A	0 %	N/A	0 %
Average	99 %	97 %	99 %	98 %	81 %	97 %	99 %	96 %

Average Reliability for all sites: 96 %

Average Reliability for 8 best sites 96 %



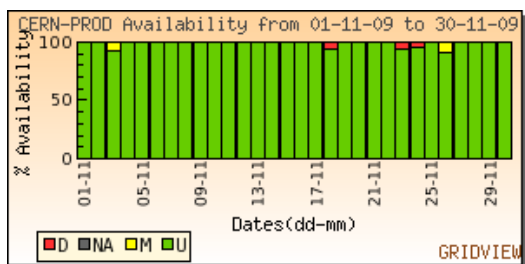
Availability of WLCG Tier-1 Sites + CERN for LHCb

November 2009

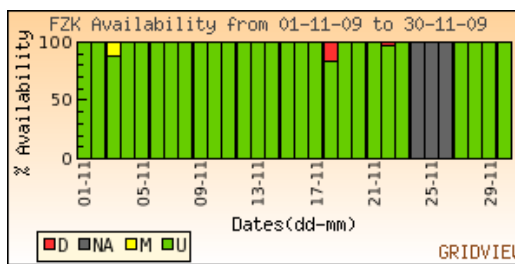
Data from SAM and Gridview

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

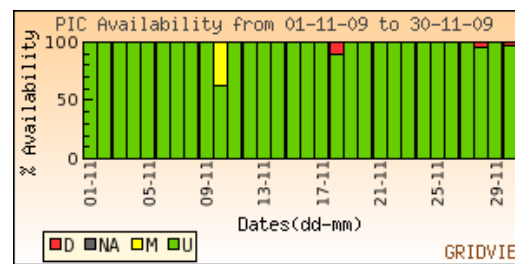
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



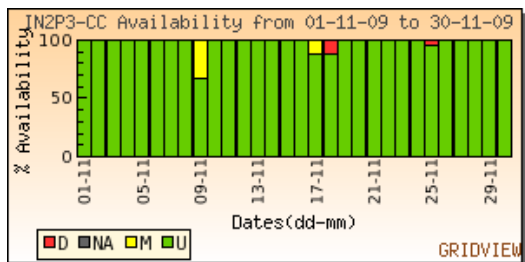
CERN Avail : 99 % Unkn : 1 %



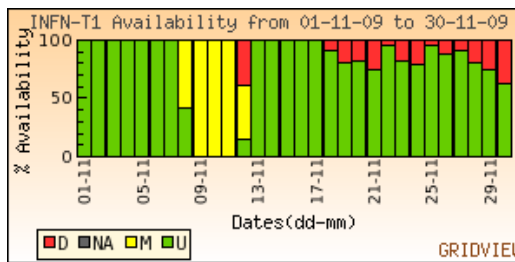
DE-KIT Avail : 99 % Unkn : 11 %



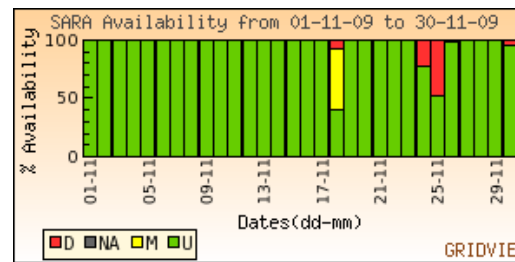
ES-PIC Avail : 98 % Unkn : 1 %



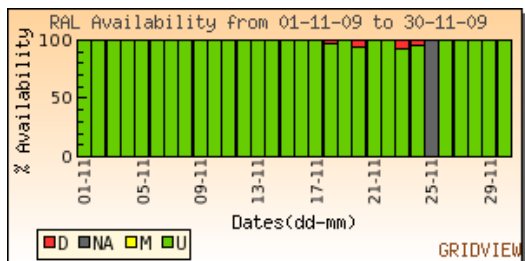
FR-CCIN2P3 Avail : 98 % Unkn : 1 %



IT-INFN-CNAF Avail : 78 % Unkn : 1 %



NL-T1 Avail : 96 % Unkn : 3 %



UK-T1-RAL Avail : 99 % Unkn : 7 %



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

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	CERN		DE-KIT		ES-PIC		FR-CCIN2P3		IT-INFN-CNAF		NL-T1		UK-T1-RAL		Average	
	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
02/11/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
03/11/2009	93	0	88	0	100	0	100	0	100	0	100	0	100	0	97	0
04/11/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
05/11/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
06/11/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
07/11/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
08/11/2009	100	0	100	0	100	0	100	0	42	0	100	0	100	0	92	0
09/11/2009	100	0	100	0	100	0	67	0	0	0	100	0	100	0	81	0
10/11/2009	100	0	100	0	62	0	100	0	0	0	100	0	100	0	80	0
11/11/2009	100	0	100	0	100	0	100	0	0	0	100	0	100	0	86	0
12/11/2009	100	0	100	0	100	0	100	0	15	0	100	0	100	0	88	0
13/11/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
14/11/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
15/11/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
16/11/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
17/11/2009	100	0	100	0	100	0	87	0	100	0	100	0	100	0	98	0
18/11/2009	94	0	84	0	90	0	88	0	92	0	40	36	96	0	86	5
19/11/2009	100	0	100	0	100	0	100	0	80	0	100	0	100	78	97	11
20/11/2009	100	0	100	0	100	0	100	0	83	0	100	0	94	0	97	0
21/11/2009	100	0	100	0	100	0	100	0	75	8	100	0	100	0	97	1
22/11/2009	100	0	97	0	100	0	100	0	96	0	100	0	100	0	99	0
23/11/2009	94	29	100	41	100	29	100	29	82	27	100	29	92	23	95	30
24/11/2009	96	4	N/A	100	100	4	100	4	79	4	77	4	95	5	91	18
25/11/2009	100	0	N/A	100	100	1	96	1	96	1	52	23	N/A	100	90	32
26/11/2009	92	0	N/A	100	100	0	100	0	87	0	98	0	100	3	96	15
27/11/2009	100	0	100	3	100	0	100	0	91	0	100	0	100	0	99	0
28/11/2009	100	0	100	0	96	0	100	0	81	0	100	0	100	0	97	0
29/11/2009	100	0	100	0	100	0	100	0	74	0	100	0	100	0	96	0
30/11/2009	100	0	100	0	96	0	100	0	62	0	96	0	100	0	93	0
Average	99	1	99	11	98	1	98	1	78	1	96	3	99	7	95	4

Average Availability for all sites: 95 %

Average Availability for 8 best sites : 95 %



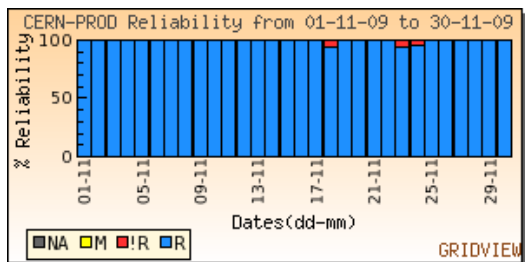
Reliability of WLCG Tier-1 Sites + CERN for LHCb

November 2009

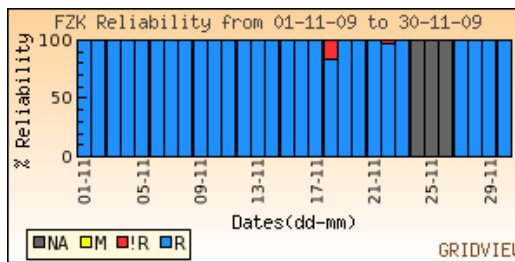
Data from SAM and Gridview

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

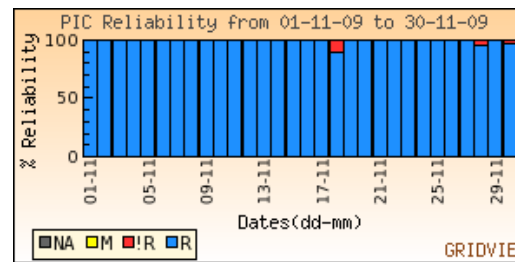
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



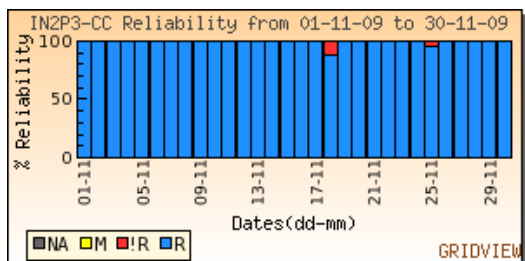
CERN Rel : 100 %



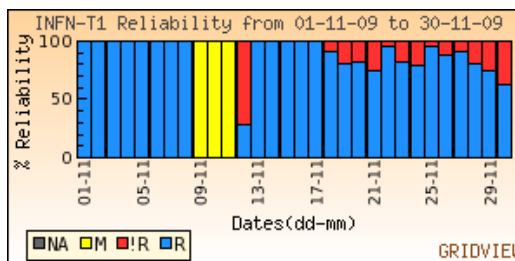
DE-KIT Rel : 99 %



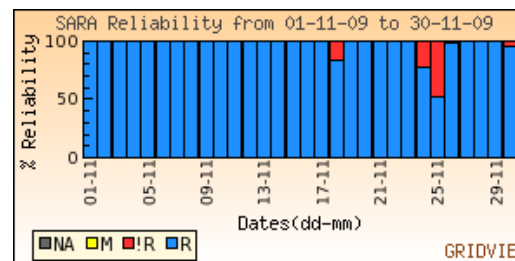
ES-PIC Rel : 99 %



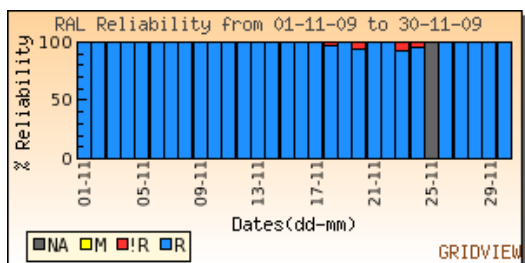
FR-CCIN2P3 Rel : 99 %



IT-INFN-CNAF Rel : 90 %



NL-T1 Rel : 98 %



UK-T1-RAL Rel : 99 %



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

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	CERN	DE-KIT	ES-PIC	FR-CCIN2P3	IT-INFN-CNAF	NL-T1	UK-T1-RAL	Average Reliability
01/11/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
02/11/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
03/11/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
04/11/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
05/11/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
06/11/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
07/11/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
08/11/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
09/11/2009	100 %	100 %	100 %	100 %	N/A	100 %	100 %	100 %
10/11/2009	100 %	100 %	100 %	100 %	N/A	100 %	100 %	100 %
11/11/2009	100 %	100 %	100 %	100 %	N/A	100 %	100 %	100 %
12/11/2009	100 %	100 %	100 %	100 %	28 %	100 %	100 %	94 %
13/11/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
14/11/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
15/11/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
16/11/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
17/11/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
18/11/2009	94 %	84 %	90 %	88 %	92 %	83 %	96 %	90 %
19/11/2009	100 %	100 %	100 %	100 %	80 %	100 %	100 %	97 %
20/11/2009	100 %	100 %	100 %	100 %	83 %	100 %	94 %	97 %
21/11/2009	100 %	100 %	100 %	100 %	75 %	100 %	100 %	97 %
22/11/2009	100 %	97 %	100 %	100 %	96 %	100 %	100 %	99 %
23/11/2009	94 %	100 %	100 %	100 %	82 %	100 %	92 %	95 %
24/11/2009	96 %	N/A	100 %	100 %	79 %	77 %	95 %	91 %
25/11/2009	100 %	N/A	100 %	96 %	96 %	52 %	N/A	90 %
26/11/2009	100 %	N/A	100 %	100 %	87 %	98 %	100 %	98 %
27/11/2009	100 %	100 %	100 %	100 %	91 %	100 %	100 %	99 %
28/11/2009	100 %	100 %	96 %	100 %	81 %	100 %	100 %	97 %
29/11/2009	100 %	100 %	100 %	100 %	74 %	100 %	100 %	96 %
30/11/2009	100 %	100 %	96 %	100 %	62 %	96 %	100 %	93 %
Average	100 %	99 %	99 %	99 %	90 %	98 %	99 %	98 %

Average Reliability for all sites: 98 %

Average Reliability for 8 best sites 98 %



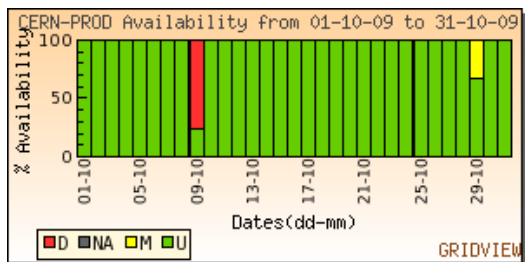
Availability of WLCG Tier-1 Sites + CERN for LHCb

October 2009

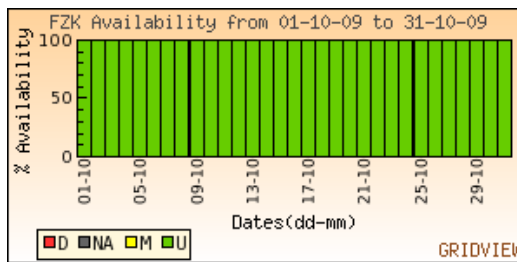
Data from SAM and Gridview

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

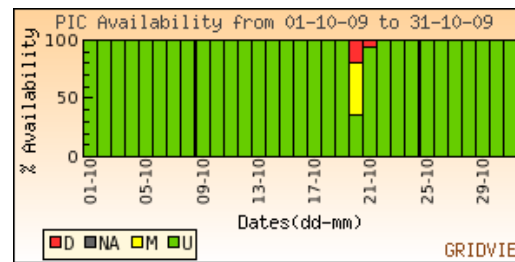
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



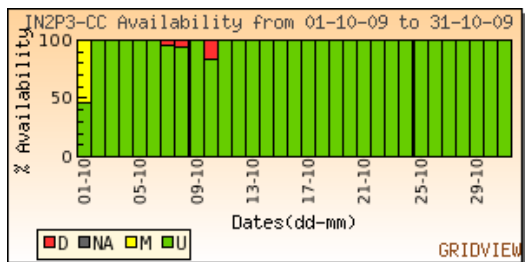
CERN Avail : 97 % Unkn : 4 %



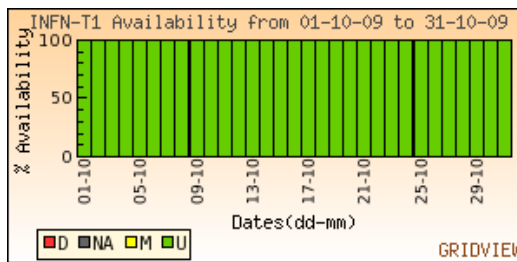
DE-KIT Avail : 100 % Unkn : 6 %



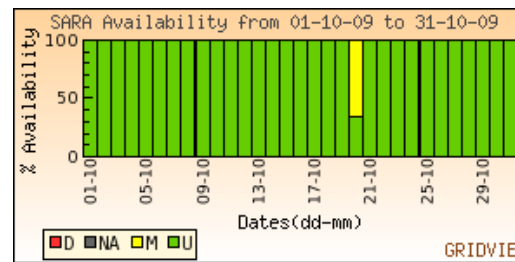
ES-PIC Avail : 98 % Unkn : 2 %



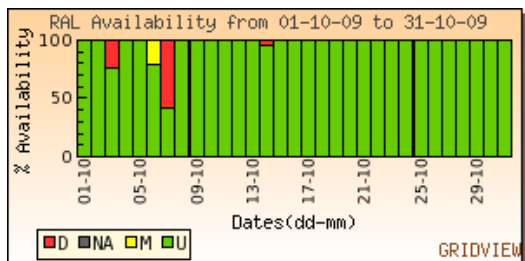
FR-CCIN2P3 Avail : 97 % Unkn : 5 %



IT-INFN-CNAF Avail : 100 % Unkn : 2 %



NL-T1 Avail : 98 % Unkn : 5 %



UK-T1-RAL Avail : 98 % Unkn : 4 %



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

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	CERN		DE-KIT		ES-PIC		FR-CCIN2P3		IT-INFN-CNAF		NL-T1		UK-T1-RAL		Average	
	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn
01/10/2009	100	4	100	33	100	0	46	0	100	15	100	0	100	0	92	7
02/10/2009	100	10	100	0	100	0	100	0	100	0	100	0	100	0	100	1
03/10/2009	100	61	100	0	100	0	100	0	100	0	100	0	76	0	96	9
04/10/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
05/10/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
06/10/2009	100	0	100	0	100	0	100	0	100	0	100	0	79	59	99	8
07/10/2009	100	0	100	0	100	0	96	0	100	0	100	0	42	56	96	8
08/10/2009	100	0	100	0	100	0	94	0	100	0	100	43	100	0	99	6
09/10/2009	23	44	100	0	100	0	100	0	100	0	100	81	100	0	93	18
10/10/2009	100	3	100	4	100	0	83	0	100	10	100	0	100	0	98	2
11/10/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
12/10/2009	100	0	100	89	100	0	100	0	100	0	100	0	100	0	100	13
13/10/2009	100	0	100	40	100	0	100	0	100	0	100	0	100	0	100	6
14/10/2009	100	0	100	0	100	0	100	0	100	0	100	0	96	0	99	0
15/10/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
16/10/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
17/10/2009	100	0	100	0	100	43	100	10	100	0	100	0	100	0	100	7
18/10/2009	100	0	100	0	100	31	100	53	100	0	100	0	100	0	100	12
19/10/2009	100	0	100	0	100	0	100	43	100	0	100	0	100	0	100	6
20/10/2009	100	0	100	0	35	0	100	57	100	0	34	24	100	0	81	12
21/10/2009	100	0	100	0	94	0	100	0	100	0	100	0	100	0	99	0
22/10/2009	100	0	100	11	100	0	100	0	100	0	100	0	100	0	100	2
23/10/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
24/10/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
25/10/2009	100	0	100	0	100	0	100	0	100	29	100	0	100	0	100	4
26/10/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
27/10/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
28/10/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
29/10/2009	67	0	100	0	100	0	100	0	100	0	100	0	100	0	95	0
30/10/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
31/10/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
Average	97	4	100	6	98	2	97	5	100	2	98	5	98	4	98	4

Average Availability for all sites: 98 %

Average Availability for 8 best sites : 98 %



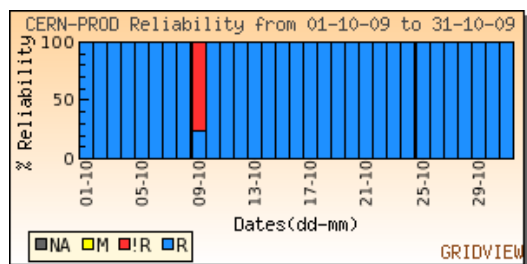
Reliability of WLCG Tier-1 Sites + CERN for LHCb

October 2009

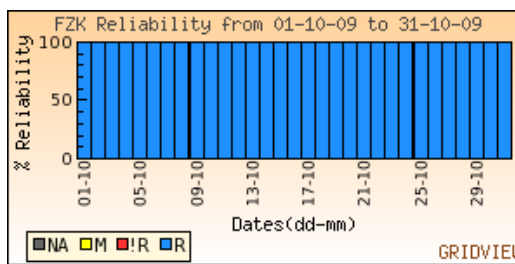
Data from SAM and Gridview

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

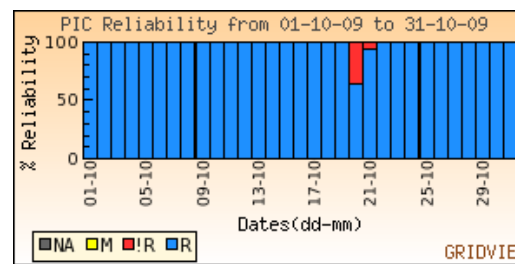
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



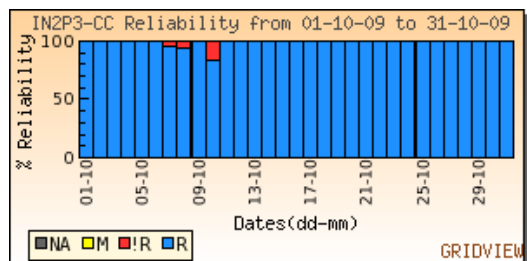
CERN Rel : 99 %



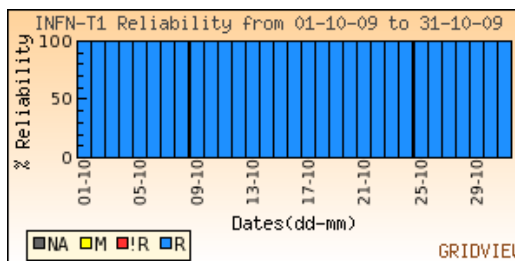
DE-KIT Rel : 100 %



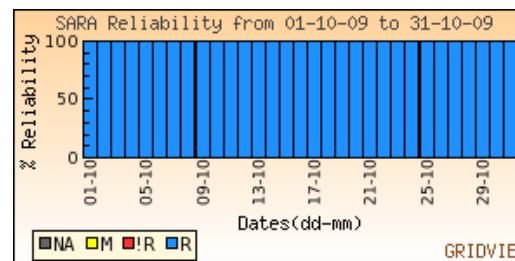
ES-PIC Rel : 99 %



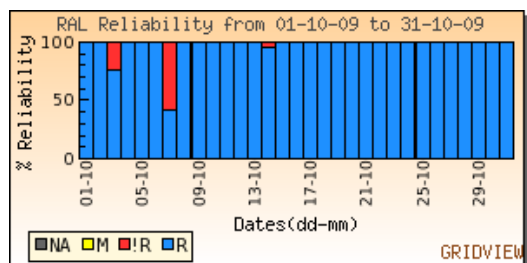
FR-CCIN2P3 Rel : 99 %



IT-INFN-CNAF Rel : 100 %



NL-T1 Rel : 100 %



UK-T1-RAL Rel : 98 %



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

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	CERN	DE-KIT	ES-PIC	FR-CCIN2P3	IT-INFN-CNAF	NL-T1	UK-T1-RAL	Average Reliability
01/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
02/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
03/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	76 %	96 %
04/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
05/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
06/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
07/10/2009	100 %	100 %	100 %	96 %	100 %	100 %	42 %	96 %
08/10/2009	100 %	100 %	100 %	94 %	100 %	100 %	100 %	99 %
09/10/2009	23 %	100 %	100 %	100 %	100 %	100 %	100 %	93 %
10/10/2009	100 %	100 %	100 %	83 %	100 %	100 %	100 %	98 %
11/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
12/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
13/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
14/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	96 %	99 %
15/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
16/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
17/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
18/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
19/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
20/10/2009	100 %	100 %	65 %	100 %	100 %	100 %	100 %	96 %
21/10/2009	100 %	100 %	94 %	100 %	100 %	100 %	100 %	99 %
22/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
23/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
24/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
25/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
26/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
27/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
28/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
29/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
30/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
31/10/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
Average	99 %	100 %	99 %	99 %	100 %	100 %	98 %	99 %

Average Reliability for all sites: 99 %

Average Reliability for 8 best sites 99 %



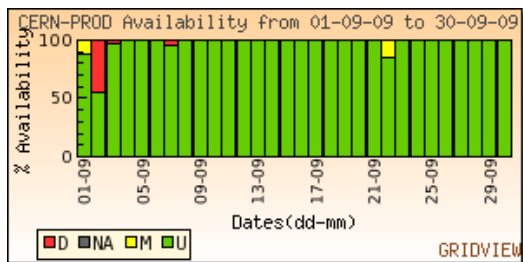
Availability of WLCG Tier-1 Sites + CERN for LHCb

September 2009

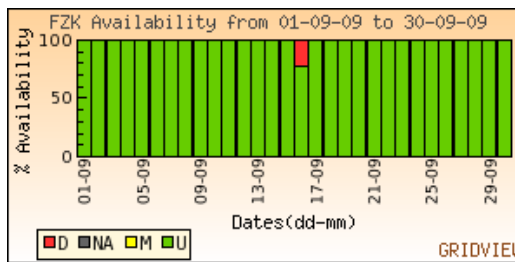
Data from SAM and Gridview

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

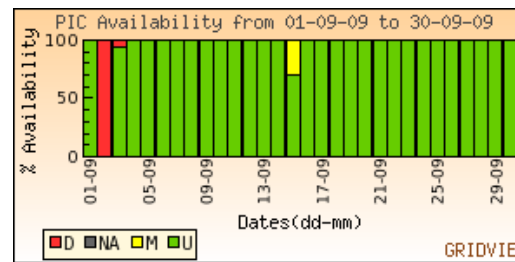
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



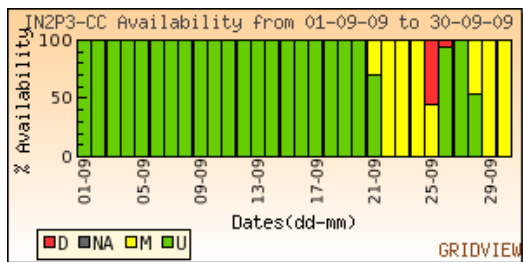
CERN Avail : 97 % Unkn : 2 %



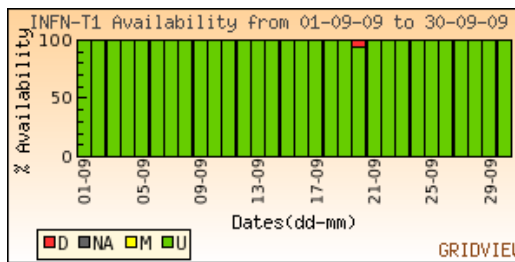
DE-KIT Avail : 99 % Unkn : 0 %



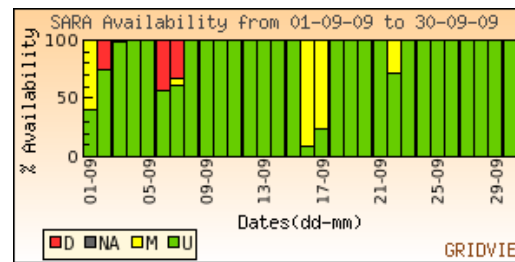
ES-PIC Avail : 96 % Unkn : 2 %



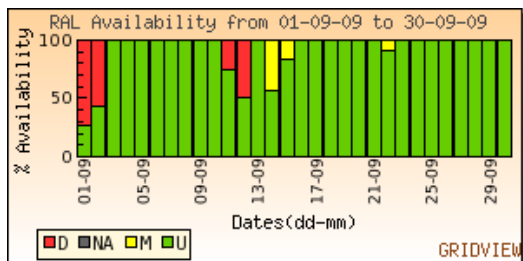
FR-CCIN2P3 Avail : 77 % Unkn : 0 %



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



NL-T1 Avail : 89 % Unkn : 1 %



UK-T1-RAL Avail : 91 % Unkn : 0 %



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

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	CERN		DE-KIT		ES-PIC		FR-CCIN2P3		IT-INFN-CNAF		NL-T1		UK-T1-RAL		Average	
	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn	Avail	Unkn
01/09/2009	89	0	100	0	100	0	100	0	100	0	40	0	28	0	79	0
02/09/2009	55	0	100	0	0	31	100	0	100	0	75	0	43	0	71	4
03/09/2009	98	0	100	0	94	0	100	0	100	0	98	0	100	0	99	0
04/09/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
05/09/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
06/09/2009	100	0	100	0	100	0	100	0	100	0	57	0	100	0	94	0
07/09/2009	96	0	100	0	100	0	100	0	100	0	62	0	100	0	94	0
08/09/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
09/09/2009	100	0	100	0	100	17	100	0	100	0	100	0	100	0	100	2
10/09/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
11/09/2009	100	0	100	0	100	0	100	0	100	0	100	0	74	0	96	0
12/09/2009	100	0	100	0	100	0	100	0	100	0	100	0	51	0	93	0
13/09/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
14/09/2009	100	0	100	0	100	0	100	0	100	0	100	0	56	0	94	0
15/09/2009	100	10	100	0	71	0	100	0	100	0	100	0	83	0	93	1
16/09/2009	100	0	78	0	100	0	100	0	100	0	10	19	100	0	86	3
17/09/2009	100	0	100	0	100	0	100	0	100	0	23	18	100	0	91	3
18/09/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
19/09/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
20/09/2009	100	0	100	0	100	0	100	0	94	0	100	0	100	0	99	0
21/09/2009	100	0	100	0	100	0	71	0	100	0	100	0	100	0	96	0
22/09/2009	85	0	100	0	100	0	0	0	100	0	72	0	91	0	78	0
23/09/2009	100	0	100	0	100	0	0	0	100	0	100	0	100	0	86	0
24/09/2009	100	0	100	0	100	0	0	0	100	0	100	0	100	0	86	0
25/09/2009	100	0	100	0	100	0	0	0	100	0	100	0	100	3	86	0
26/09/2009	100	0	100	0	100	0	94	0	100	0	100	0	100	0	99	0
27/09/2009	100	0	100	0	100	0	100	0	100	0	100	0	100	0	100	0
28/09/2009	100	0	100	0	100	0	54	0	100	0	100	0	100	0	93	0
29/09/2009	100	18	100	0	100	0	0	0	100	0	100	0	100	0	85	3
30/09/2009	100	19	100	0	100	0	0	0	100	0	100	0	100	0	85	3
Average	97	2	99	0	96	2	77	0	100	0	89	1	91	0	93	1

Average Availability for all sites: 93 %

Average Availability for 8 best sites : 93 %



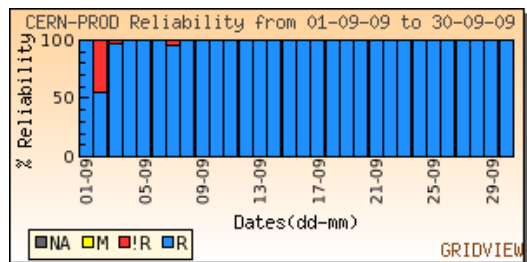
Reliability of WLCG Tier-1 Sites + CERN for LHCb

September 2009

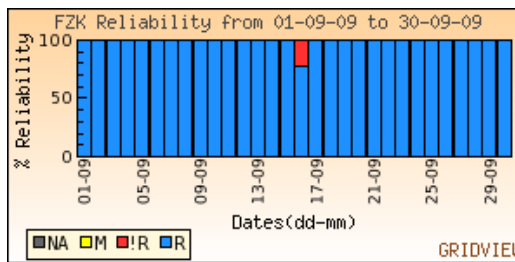
Data from SAM and Gridview

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

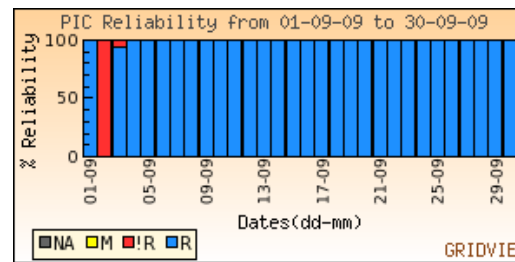
Target reliability for each site is 97 % and Target for 8 best sites is 98 %



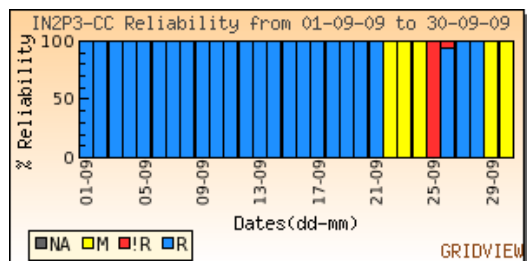
CERN Rel : 98 %



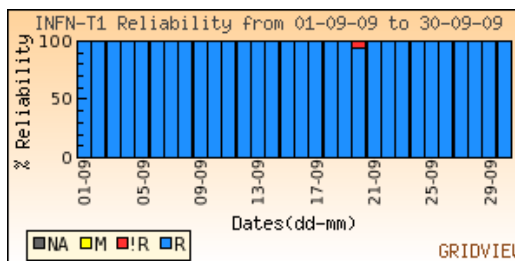
DE-KIT Rel : 99 %



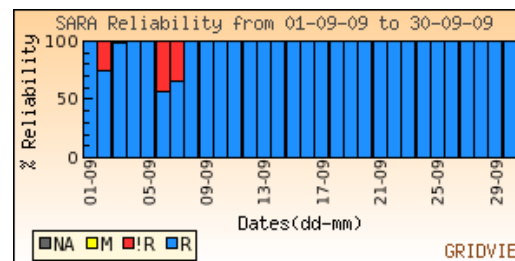
ES-PIC Rel : 97 %



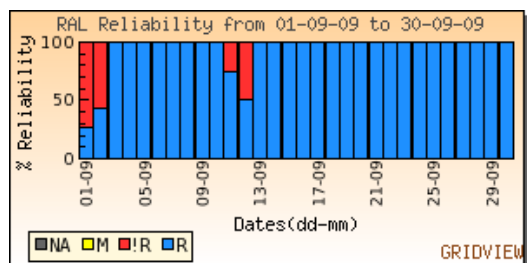
FR-CCIN2P3 Rel : 97 %



IT-INFN-CNAF Rel : 100 %



NL-T1 Rel : 96 %



UK-T1-RAL Rel : 93 %



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

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	CERN	DE-KIT	ES-PIC	FR-CCIN2P3	IT-INFN-CNAF	NL-T1	UK-T1-RAL	Average Reliability
01/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	28 %	88 %
02/09/2009	55 %	100 %	0 %	100 %	100 %	75 %	43 %	71 %
03/09/2009	98 %	100 %	94 %	100 %	100 %	98 %	100 %	99 %
04/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
05/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
06/09/2009	100 %	100 %	100 %	100 %	100 %	57 %	100 %	94 %
07/09/2009	96 %	100 %	100 %	100 %	100 %	66 %	100 %	95 %
08/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
09/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
10/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
11/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	74 %	96 %
12/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	51 %	93 %
13/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
14/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
15/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
16/09/2009	100 %	78 %	100 %	100 %	100 %	100 %	100 %	96 %
17/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
18/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
19/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
20/09/2009	100 %	100 %	100 %	100 %	94 %	100 %	100 %	99 %
21/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
22/09/2009	100 %	100 %	100 %	N/A	100 %	100 %	100 %	100 %
23/09/2009	100 %	100 %	100 %	N/A	100 %	100 %	100 %	100 %
24/09/2009	100 %	100 %	100 %	N/A	100 %	100 %	100 %	100 %
25/09/2009	100 %	100 %	100 %	0 %	100 %	100 %	100 %	92 %
26/09/2009	100 %	100 %	100 %	94 %	100 %	100 %	100 %	99 %
27/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
28/09/2009	100 %	100 %	100 %	100 %	100 %	100 %	100 %	100 %
29/09/2009	100 %	100 %	100 %	N/A	100 %	100 %	100 %	100 %
30/09/2009	100 %	100 %	100 %	N/A	100 %	100 %	100 %	100 %
Average	98 %	99 %	97 %	97 %	100 %	96 %	93 %	97 %

Average Reliability for all sites: 97 %

Average Reliability for 8 best sites 97 %