

FY 2007 Reliability Summary

Data through Run 2007-2.

FY 2007 Actual	Unavailability Percent	Unavailability Hours	Number of Faults	Mean Time to Beam Loss	Faults Per Day		
RF	0.39%	18.62	14	339.3	0.07	User Downtime Hours	81.2
Diagnostics	0.06%	3.10	3	1583.6	0.02		
PS	0.39%	18.83	11	431.9	0.06	Scheduled Hours	4832
Controls	0.02%	0.98	2	2375.4	0.01		
Network	0.16%	7.70	2	2375.4	0.01		
Interlocks	0.16%	7.80	4	1187.7	0.02	Delivered Hours	4750.8
Accelerator	0.00%	0.00	0		0.00		
Beamline	0.16%	7.80	4	1187.7	0.02	User Availability	98.3%
Radiation	0.00%	0.00	0		0.00		
MOM	0.09%	4.27	2	2375.4	0.01		
S&A	0.00%	0.00	0		0.00		
Operations	0.10%	4.88	2	2375.4	0.01		
Physics	0.03%	1.48	1	4750.8	0.01		
ID-FE	0.00%	0.00	0		0.00		
ID-FE/MD	0.00%	0.00	0		0.00		
ID-FE/XFE	0.00%	0.00	0		0.00		
Utilities	0.12%	5.72	1	4750.8	0.01		
Electrical - APS	0.00%	0.00	0		0.00		
Electrical - ANL	0.12%	5.72	1	4750.8	0.01		
Cooling - ANL	0.00%	0.00	0		0.00		
Other	0.08%	3.78	1	4750.8	0.01		
Unidentified	0.08%	4.07	6	791.8	0.03		
Total	1.68%	81.23	49	97.0	0.25		

Run 2006-3	Unavailability Percent	Unavailability Hours	Number of Faults	Mean Time to Beam Loss	Faults Per Day		
RF	0.49%	7.77	3	514.4	0.05	User Downtime Hours	25.73
Diagnostics	0.03%	0.50	1	1543.3	0.02		
PS	0.06%	0.88	1	1543.3	0.02	Scheduled Hours	1569.1
Controls	0.02%	0.32	1	1543.3	0.02		
Network	0.17%	2.70	1	1543.3	0.02		
Interlocks	0.44%	6.92	3	514.4	0.05	Delivered Hours	1543.3
Accelerator	0.00%	0.00	0		0.00		
Beamline	0.44%	6.92	3	514.4	0.05	User Availability	98.4%
Radiation	0.00%	0.00	0		0.00		
MOM	0.00%	0.00	0		0.00		
S&A	0.00%	0.00			0.00		
Operations	0.16%	2.48	1	1543.3	0.02		
Physics	0.09%	1.48	1	1543.3	0.02		
ID-FE	0.00%	0.00	0		0.00		
Utilities	0.00%	0.00			0.00		
Electrical - APS	0.00%	0.00	0		0.00		
Electrical - ANL	0.00%	0.00	0		0.00		
Cooling - ANL	0.00%	0.00	0		0.00		
Other	0.00%	0.00	0		0.00		
Unidentified	0.17%	2.68	5	308.7	0.08		
Total	1.67%	25.73	17	90.8	0.26		

Run 2007-1	Unavailability Percent	Unavailability Hours	Number of Faults	Mean Time to Beam Loss	Faults Per Day		
RF	0.27%	4.12	5	303.0	0.08	User Downtime Hours	20.2
Diagnostics	0.17%	2.60	2	757.4	0.03		
PS	0.49%	7.52	4	378.7	0.06	Scheduled Hours	1535.0
Controls	0.00%				0.00		
Network	0.00%				0.00		
Interlocks	0.06%	1	1	1514.8	0.02	Delivered Hours	1514.8
Accelerator	0.00%				0.00		
Beamline	0.06%	0.88	1	1514.8	0.02	User Availability	98.7%
Radiation	0.00%				0.00		
MOM	0.00%				0.00		
S&A	0.00%				0.00		
Operations	0.11%	1.75	0		0.00		
Physics	0.00%				0.00		
ID-FE	0.00%				0.00		
ID-FE/MD	0.00%				0.00		
ID-FE/XFE	0.00%				0.00		
Utilities	0.00%				0.00		
Electrical - APS	0.00%				0.00		
Electrical - ANL	0.00%				0.00		
Cooling - ANL	0.00%				0.00		
Other	0.13%	1.97	0		0.00		
Unidentified	0.09%	1.38	1	1514.8	0.02		
Total	1.32%	20.22	13	116.5	0.21		

Run 2007-2	Unavailability Percent	Unavailability Hours	Number of Faults	Mean Time to Beam Loss	Faults Per Day		
RF	0.39%	6.73	6	282.1	0.09	User Downtime Hours	35.3
Diagnostics	0.00%	0.00			0.00		
PS	0.60%	10.43	6	282.1	0.09	Scheduled Hours	1728.0
Controls	0.04%	0.67	1	1692.7	0.01		
Network	0.29%	5.00	1	1692.7	0.01		
Interlocks	0.00%	0.00			0.00	Delivered Hours	1692.7
Accelerator	0.00%	0.00			0.00		
Beamline	0.00%	0.00			0.00	User Availability	98.0%
Radiation	0.00%	0.00			0.00		
MOM	0.25%	4.27	2	846.4	0.03		
S&A	0.00%				0.00		
Operations & Analysis	0.04%	0.65	1	1692.7	0.01		
Physics	0.00%				0.00		
ID-FE	0.00%				0.00		
ID-FE/MD	0.00%				0.00		

ID-FE/XFE	0.00%				0.00
Utilities	0.33%	5.72	1	1692.7	0.01
Electrical - APS	0.00%				0.00
Electrical - ANL	0.33%	5.72	1	1692.7	0.01
Cooling - ANL	0.00%				0.00
Other	0.11%	1.82	1	1692.7	0.01
Unidentified	0.00%				0.00
Total	2.04%	35.28	19	89.1	0.27

Updated

10/24/2007

