

# Downtime for Run 2014-1

Fill #	Start	End	Length	Loss Reason	DIN #	Audit	Start	End	User Length	System Length	Cause	System	Group	Type	Description
1	1/28/14 8:00	1/28/14 18:21	10.35	Human error[DIAG]	106112		1/28/14 18:21	01/28/14 19:01	0.67	0.67	DIA	DIA	DIA	Store Lost	
2	1/28/14 19:01	1/29/14 10:44	15.72	MPS VV fault [MOM]	106113		1/29/14 10:44	01/29/14 11:14	0.50	0.50	MOM	MOM	MOM	Store Lost	
3	1/29/14 11:14	1/29/14 18:56	7.70	Under Investigation	106114		1/29/14 18:56	01/29/14 19:22	0.43	0.43	UNK	UNK	UNK	Store Lost	
4	1/29/14 19:22	1/30/14 11:49	16.45	13-ID PSS trip[OTH]	106116		1/30/14 11:49	01/30/14 12:38	0.82	0.82	OTH	BL	BL	Store Lost	
5	1/30/14 12:38	2/4/14 8:00	115.37	Int Dump: End of Period					0.00	0.00				Scheduled	
			165.58						2.42	2.42					
6	2/5/14 8:00	2/11/14 8:00	144.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			144.00												
7	2/12/14 8:00	2/12/14 22:49	14.82	S3A:S2 failure [PS]	106121		2/12/14 22:49	02/13/14 00:39	1.83	1.83	PS	PS	PS	Store Lost	
8	2/13/14 0:39	2/13/14 13:49	13.17	S5A:V3 glitches [PS]	106124		2/13/14 13:49	02/13/14 19:24	5.58	5.58	PS	PS	PS	Store Lost	2 more dumps, investigation, punch down, refill
11	2/13/14 19:24	2/18/14 8:00	108.60	Int Dump: End of Period					0.00	0.00				Scheduled	
			136.58						7.42	7.42					
			0.00				2/19/14 8:00	02/19/14 09:29	1.48	1.48	DIA	DIA	DIA	Inhibits beam to User	P1 BPM offset change, pending BPLD[Diag] user fill <1 hr
12	2/19/14 9:29	2/20/14 21:20	35.85	RF4 coll. intlk [RF]			2/20/14 21:20	02/20/14 21:55	0.58	0.58	RF	RF	RF	Store Lost	
13	2/20/14 21:55	2/24/14 8:00	82.08	Int Dump: End of Period					0.00	0.00				Scheduled	
			117.93						2.07	2.07					
			0.00				2/26/14 8:00	02/26/14 09:33	1.55	1.55	HP	HP	HP	Inhibits beam to user	user fill <1 hr Spurious Rad Mon. Trip, investigation [HP]
15	2/26/14 9:33	02/26/14 11:15	1.70	RF3 crowbar [RF]	106132		02/26/14 11:15	02/26/14 11:52	0.62	0.62	RF	RF	RF	Store Lost	
16	2/26/14 11:52	2/26/14 15:41	3.82	RF3 crowbar [RF]	106134		2/26/14 15:41	02/26/14 16:46	1.08	1.08	RF	RF	RF	Store Lost	Waveguide switch, recover systems, refill
17	2/26/14 16:46	2/27/14 2:38	9.87	S33A:Q3 P.S. trip[PS]	106135		2/27/14 2:38	02/27/14 03:49	1.18	1.18	PS	PS	PS	Store Lost	
18	2/27/14 3:49	3/4/14 8:00	124.18	Int Dump: End of Period					0.00	0.00				Scheduled	
			139.57						4.43	4.43					
19	3/5/14 8:00	3/11/14 8:00	143.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			143.00												
20	3/12/14 8:00	3/18/14 8:00	144.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			144.00												
21	3/19/14 8:00	3/24/14 8:00	120.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			120.00												
22	3/26/14 8:00	4/1/14 8:00	144.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			144.00												
23	4/2/14 8:00	4/8/14 8:00	144.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			144.00												
24	4/9/14 8:00	4/14/14 3:10	115.17	Bldg450 brkr trip[FMS]	106150		4/14/14 3:10	04/14/14 09:09	5.98	5.98	FMS	FMS	FMS	Store Lost	
25	4/14/14 9:09	4/15/14 8:00	22.85	Int Dump: End of Period					0.00	0.00				Scheduled	
			138.02						5.98	5.98					
26	4/16/14 8:00	4/21/14 8:00	120.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			120.00												

Number of Lost Fills 11  
 Number of Intentional Dumps 12  
 Number of Fills 23

Downtime  
 User System  
 22.32 22.32

Total User Beam 1656.68 69.0 User Beam days  
 Total User Downtime 22.32 <-- This downtime includes Gaps Open  
 Total Schedule Run Length 1679

Mean Time Between Faults 150.61  
 Faults/Day of Delivered Beam 0.16  
 X-ray Availability 98.67%