

# Downtime for Run 2016-3

Fill #	Start	End	Length	Loss Reason	DIN #	Audit	Start	End	User Length	System Length	Cause	System	Group	Type	Description
1	10/04/16 08:00	10/08/16 10:45	98.75	40B:V4 P.S. Glitch [PS]	106565		10/08/16 10:45	10/08/16 15:29	4.73						
							10/08/16 10:45	10/08/16 11:15		0.50	PS	PS	PS	Store Lost	
							10/08/16 11:15	10/08/16 14:58		3.72	RF	RF	RF	Inhibits Beam to User	RF2 wg switch
							10/08/16 14:58	10/08/16 15:29		0.52	MD	MD	MD	Inhibits Beam to User	Gaps
2	10/08/16 15:29	10/09/16 13:34	22.08	40B:V4 P.S. Glitch [PS]	106569		10/09/16 13:34	10/09/16 13:59	0.42	0.42	PS	PS	PS	Store Lost	
3	10/09/16 13:59	10/10/16 01:17	11.30	40B:V4 P.S. Glitch [PS]	106572		10/10/16 01:17	10/10/16 03:36	2.32						
							10/10/16 01:17	10/10/16 01:47		0.50	PS	PS	PS	Store Lost	
							10/10/16 01:47	10/10/16 03:36		1.82	RF	RF	RF	Inhibits Beam to User	S36 RF cavity press issues
4	10/10/16 03:36	10/10/16 08:00	4.40	Int Dump: End of Period					0.00	0.00				Scheduled	
			136.53						7.47	7.47					
5	10/11/16 08:00	10/17/16 08:00	144.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			144.00						0.00	0.00					
6	10/18/16 08:00	10/18/16 11:13	3.22	RF1/4 H2O load trip[MOM]	106583		10/18/16 11:13	10/18/16 13:18	2.08						
							10/18/16 11:13	10/18/16 11:43		0.50	MOM	MOM	MOM	Store Lost	
							10/18/16 11:43	10/18/16 13:18		1.58	RF	RF	RF	Inhibits Beam to User	
7	10/18/16 13:18	10/20/16 05:09	39.85	40B:V4 P.S. Glitch [PS]	106584		10/20/16 05:09	10/20/16 05:38	0.48	0.48	PS	PS	PS	Store Lost	
8	10/20/16 05:38	10/20/16 23:32	17.90	40B:V4 P.S. Glitch [PS]	106586		10/20/16 23:32	10/20/16 23:58	0.43	0.43	PS	PS	PS	Store Lost	
9	10/20/16 23:58	10/24/16 08:00	80.03	Int Dump: End of Period					0.00	0.00				Scheduled	
			141.00						3.00	3.00					
			0.00		106588		10/25/16 08:00	10/25/16 09:28	1.47	1.47	RF	RF	RF	Inhibits Beam to User	
11	10/25/16 09:28	10/31/16 08:00	142.53	Int Dump: End of Period					0.00	0.00				Scheduled	
			142.53						1.47	1.47					
			0.00				11/02/16 08:00	11/02/16 09:06	1.10	1.10	AOP	AOP	AOP	Inhibits Beam to User	Incomplete fill, difficult inj.
12	11/02/16 09:06	11/02/16 10:22	1.27	12ID PSS trip [SI]			11/02/16 10:22	11/02/16 11:29	1.12	1.12	SI	SI	SI	Store Lost	12-ID taken offline, recover systems, refilled.
13	11/02/16 11:29	11/04/16 01:20	37.85	RF2 crowbar [RF]	106602		11/04/16 01:20	11/04/16 02:05	0.75	0.75	RF	RF	RF	Store Lost	
14	11/04/16 02:05	11/06/16 18:39	65.57	S17/18 Ref.Mem. [CTL]	106606		11/06/16 18:39	11/06/16 20:08	1.48	1.48	CTL	CTL	CTL	Store Lost	
15	11/06/16 20:08	11/07/16 08:00	11.87	Int Dump: End of Period					0.00	0.00				Scheduled	
			116.55						4.45	4.45					
16	10/11/16 08:00	10/17/16 08:00	144.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			144.00						0.00	0.00					
17	11/15/16 08:00	11/15/16 09:20	1.33	22BM PSS trip[SI]	106608		11/15/16 09:20	11/15/16 10:10	0.83	0.83	SI	SI	SI	Store Lost	
18	11/15/16 10:10	11/16/16 10:16	24.10	RF3 Cath.V sag [RF]	106609		11/16/16 10:16	11/16/16 10:45	0.48	0.48	RF	RF	RF	Store Lost	
19	11/16/16 10:45	11/17/16 05:30	18.75	RF1 Crowbar [RF]	106610		11/17/16 05:30	11/17/16 05:56	0.43	0.43	RF	RF	RF	Store Lost	
20	11/17/16 05:56	11/17/16 07:43	1.78	RF1 Crwobar [RF]	106611		11/17/16 07:43	11/17/16 09:29	1.77	1.77	RF	RF	RF	Store Lost	Investigation, waveguide switch, refill
22	11/17/16 09:29	11/23/16 08:00	142.52	Int Dump: End of Period					0.00	0.00				Scheduled	
			188.48						3.52	3.52					
23	11/25/16 08:00	12/02/16 14:17	174.28	19B:Q3 P.S. fault[PS]	106624		12/02/16 14:17	12/02/16 16:03	1.77	1.77	PS	PS	PS	Store Lost	
24	12/02/16 16:03	12/05/16 08:00	63.95	Int Dump: End of Period					0.00	0.00				Scheduled	
			238.23						1.77	1.77					
25	12/06/16 08:00	12/12/16 08:00	144.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			144.00						0.00	0.00					
26	12/13/16 08:00	12/19/16 08:00	144.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			144.00						0.00	0.00					

Number of Lost Fills 14  
 Number of Intentional Dumps 10  
 Number of Fills 24

Downtime  
 User System  
 21.67 21.67

Total User Beam 1539.33  
 Total User Downtime 21.67 <-- This downtime includes Gaps Open  
 Total Schedule Run Length 1561

64.1 User Beam days

Mean Time Between Faults 109.95  
 Faults/Day of Delivered Beam 0.22

Fill #	Start	End	Length	Loss Reason	DIN #	Audit	Start	End	User Length	System Length	Cause	System	Group	Type	Description
		X-ray Availability	98.6%												