

Downtime for Run 2016-2

Fill #	Start	End	Length	Loss Reason	DIN #	Audit	Start	End	User Length	System Length	Cause	System	Group	Type	Description
1	06/01/16 08:00	06/01/16 20:29	12.48	S40B:V4 P.S. glitch[PS]	106452		06/01/16 20:29	06/01/16 20:59	0.50	0.50	PS	PS	PS	Store Lost	
2	06/01/16 20:59	06/06/16 08:00	107.02	Int Dump: End of Period					0.00	0.00				Scheduled	
			119.50						0.50	0.50					
3	06/07/16 08:00	06/13/16 08:00	144.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			144.00						0.00	0.00					
			0.00		106482		06/14/16 08:00	06/14/16 08:10	0.17	0.17	DIA	DIA	DIA	Inhibits Beam to User	Replaced BSP100 board for iocs24abpm [DIAG]
4	06/14/16 08:10	06/15/16 08:50	24.67	S2A:Q2 P.S. trip[PS]	106484		06/15/16 08:50	06/15/16 10:21	1.52	1.52	PS	PS	PS	Store Lost	
5	06/15/16 10:21	06/17/16 02:02	39.68	RF PSS WG Air Flg[RF]	106487		06/17/16 02:02	06/17/16 04:08	2.10						
							06/17/16 02:02	06/17/16 03:17		1.25	RF	RF	RF	Store Lost	
							06/17/16 03:17	06/17/16 04:08		0.85	PS	PS	PS	Inhibits Beam to User	
6	06/17/16 04:08	06/19/16 21:26	65.30	RF Cav Blwr Flt [RF]	106488		06/19/16 21:26	06/20/16 00:54	3.47						Reset, 2nd loss-S10B:Q4 P.S.trip .8hr[RF],2.7hr[PS]
							06/19/16 21:26	06/19/16 22:14		0.80	RF	RF	RF	Store Lost	
							06/19/16 22:14	06/20/16 00:54		2.67	PS	PS	PS	Inhibits Beam to User	S10B:Q4 P.S.trip
8	06/20/16 00:54	06/20/16 08:00	7.10	Int Dump: End of Period					0.00	0.00				Scheduled	
			136.75						7.25	7.25					
9	06/21/16 08:00	06/21/16 20:09	12.15	P0 feedback [AOP]	106493		06/21/16 20:09	06/21/16 20:20	0.18	0.18	AOP	AOP	AOP	Store Lost	Partial loss (80mA) refilled to 65mA
10	06/21/16 20:20	06/27/16 08:00	131.67	Int Dump: End of Period					0.00	0.00				Scheduled	
			143.82						0.18	0.18					
11	06/29/16 08:00	07/04/16 08:00	120.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			120.00						0.00	0.00					
12	07/05/16 08:00	07/11/16 08:00	144.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			144.00						0.00	0.00					
13	07/12/16 08:00	07/18/16 08:00	144.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			144.00						0.00	0.00					
14	07/19/16 08:01	07/20/16 09:38	25.62	RF4 HV glitch [RF]	106509		07/20/16 09:38	07/20/16 10:08	0.50	0.50	RF	RF	RF	Store Lost	
15	07/20/16 10:08	07/21/16 07:45	21.62	SR IK glitch [PS]	106510		07/21/16 07:45	07/21/16 08:19	0.57	0.57	PS	PS	PS	Store Lost	
16	07/21/16 08:19	07/24/16 07:45	71.43	SR IK glitch [PS]	106511		07/24/16 07:45	07/24/16 08:21	0.60	0.60	PS	PS	PS	Store Lost	
17	07/24/16 08:21	07/25/16 08:00	23.65	Int Dump: End of Period					0.00	0.00				Scheduled	
			142.32						1.67	1.67					
18	07/27/16 08:00	07/28/16 14:28	30.47	Power event [Other]	106522		07/28/16 14:28	07/28/16 16:37	2.15	2.15	ComEd	ComEd	ComEd	Store Lost	
19	07/28/16 16:37	07/28/16 18:03	1.43	Partial beam loss[??]	106523		07/28/16 18:03	07/28/16 18:10	0.12	0.12	UNK	UNK	UNK	Store Lost	
20	07/28/16 18:10	08/01/16 08:00	85.83	Int Dump: End of Period					0.00	0.00				Scheduled	
			117.73						2.27	2.27					
21	08/02/16 08:00	08/06/16 13:42	101.70	8BM EPS fault[SI]			08/06/16 13:42	08/06/16 17:39	3.95	3.95	SI	SI	SI	Store Lost	
22	08/06/16 17:39	08/08/16 08:00	38.35	Int Dump: End of Period					0.00	0.00				Scheduled	
			140.05						3.95	3.95					
23	08/09/16 08:00	08/13/16 21:57	109.95	P.S. failed[PS]			08/13/16 21:57	08/14/16 00:04	2.12	2.12	PS	PS	PS	Store Lost	
24	08/14/16 00:04	08/15/16 08:00	31.93	Int Dump: End of Period					0.00	0.00				Scheduled	
			141.88						2.12	2.12					
			0.00				08/16/16 08:00	08/16/16 10:18	2.30	2.30	DIA	DIA	DIA	Inhibits Beam to User	S11A:P1 Rcvr card failed,validation,refill[ASD-DIA]
25	08/16/16 10:18	08/18/16 05:34	43.27	RTFB glitch [CTL]			08/18/16 05:34	08/18/16 06:05	0.52	0.52	CTL	CTL	CTL	Store Lost	
26	08/18/16 06:05	08/19/16 08:29	26.40	10B:Q2 P.S.failed[PS]			08/19/16 08:29	08/19/16 10:13	1.73	1.73	PS	PS	PS	Store Lost	Swap, 2nd failure, DAC card swap, refilled
28	08/19/16 10:13	08/19/16 15:06	4.88	S4 P.S. glitch[PS]			08/19/16 15:06	08/19/16 16:38	1.53	1.53	PS	PS	PS	Store Lost	2nd loss on same, refill
30	08/19/16 16:38	08/20/16 10:24	17.77	S4A:S2 P.S.failed[PS]			08/20/16 10:24	08/20/16 11:51	1.45	1.45	PS	PS	PS	Store Lost	Swapped out supply, conditioned, refilled
31	08/20/16 11:51	08/24/16 08:00	92.15	Int Dump: End of Period					0.00	0.00				Scheduled	
			184.47						7.53	7.53					

Number of Lost Fills 16
 Number of Intentional Dumps 12
 Number of Fills 28

Downtime
 User System
 25.47 25.47

Total User Beam 1678.52 69.9 User Beam days
 Total User Downtime 25.47 <-- This downtime includes Gaps Open
 Total Schedule Run Length 1704

Mean Time Between Faults 104.91
 Faults/Day of Delivered Beam 0.23
 X-ray Availability 98.51%