

Downtime for Run 2017-1

Fill #	Start	End	Length	Loss Reason	DIN #	Audit	Start	End	User Length	System Length	Cause	System	Group	Type	Description
1	01/31/17 08:00	02/01/17 08:42	24.70	Power event [OTH]	106634		02/01/17 08:42	02/01/17 09:15	0.55	0.55	ComEd	ComEd	ComEd	Store Lost	
2	02/01/17 09:15	02/03/17 12:57	51.70	S29/30 PW bypass Vlv[MOM]	106639		02/03/17 12:57	02/03/17 13:46	0.82	0.82	MOM	MOM	MOM	Store Lost	
3	02/03/17 13:46	02/05/17 01:32	35.77	S27A:Q1 P.S. trip[PS]	106641		02/05/17 01:32	02/05/17 03:51	2.32	2.32	PS	PS	PS	Store Lost	
4	02/05/17 03:51	02/06/17 08:00	28.15	Int Dump: End of Period					0.00	0.00				Scheduled	
			140.32						3.68	3.68					
5	02/07/17 08:00	02/09/17 10:25	50.42	Pump Ctrl fault [MOM]	106645		02/09/17 10:25	02/09/17 11:53	1.47	1.47	MOM	MOM	MOM	Store Lost	
6	02/09/17 11:53	02/09/17 14:29	2.60	S2/3 Raw P.S. trip[PS]	106646		02/09/17 14:29	02/09/17 18:01	3.53	3.53	PS	PS	PS	Store Lost	
7	02/09/17 18:01	02/13/17 08:00	85.98	Int Dump: End of Period					0.00	0.00				Scheduled	
			139.00						5.00	5.00					
8	02/14/17 08:00	02/18/17 04:49	92.82	Pump 405 leak [MOM]	106647		02/18/17 04:49	02/18/17 05:26	0.62	0.62	MOM	MOM	MOM	Store Lost	
9	02/18/17 05:26	02/19/17 02:05	20.65	S20A:Q3 dropout [PS]	106648		02/19/17 02:05	02/19/17 07:39	5.57	5.57	PS	PS	PS	Store Lost	
10	02/19/17 07:39	02/20/17 08:00	24.35	Int Dump: End of Period					0.00	0.00				Scheduled	
			137.82						6.18	6.18					
11	02/21/17 08:00	02/27/17 08:00	144.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			144.00						0.00	0.00					
12	03/01/17 08:00	03/06/17 08:00	120.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			120.00						0.00	0.00					
			0.00		106654		03/07/17 08:00	03/07/17 08:53	0.88	0.88	AOP	AOP	AOP	Inhibits Beam to user	Trouble injecting, changed tunes [AOP]
13	03/07/17 08:53	03/10/17 08:37	70.73	S2A:V3 P.S. glitch [PS]	106656		03/10/17 08:37	03/10/17 09:19	0.70	0.70	MOM	MOM	MOM	Store Lost	
14	03/10/17 09:19	03/13/17 08:00	70.68	Int Dump: End of Period					0.00	0.00				Scheduled	
			141.42						1.58	1.58					
15	03/14/17 08:00	03/20/17 08:00	144.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			144.00						0.00	0.00					
16	03/21/17 08:00	03/27/17 08:00	144.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			144.00						0.00	0.00					
17	03/28/17 08:00	03/28/17 11:37	3.62	Under investigation	106658		03/28/17 11:37	03/28/17 12:01	0.40	0.40	PS	PS	PS	Store Lost	
18	03/28/17 12:01	04/01/17 05:29	89.47	Failed absorber card[MOM]	106661		04/01/17 05:29	04/01/17 08:09	2.67	2.67	MOM	MOM	MOM	Store Lost	
19	04/01/17 08:09	04/03/17 02:50	42.68	S25A:H3 glitch [PS]	106662		04/03/17 02:50	04/03/17 03:35	0.75	0.75	PS	PS	PS	Store Lost	
20	04/03/17 03:35	04/03/17 08:00	4.42	Int Dump: End of Period					0.00	0.00				Scheduled	
			140.18						3.82	3.82					
21	04/04/17 08:00	04/10/17 08:00	144.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			144.00						0.00	0.00					
22	04/11/17 08:00	04/13/17 11:14	51.23	Human error [MOM]	106668		04/13/17 11:14	04/13/17 11:55	0.68	0.68	MOM	MOM	MOM	Store Lost	Restored correct valve pos., recovered, refilled
23	04/13/17 11:55	04/17/17 08:00	92.08	Int Dump: End of Period					0.00	0.00				Scheduled	
			143.32						0.68	0.68					
24	04/18/17 08:00	04/25/17 00:00	160.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			160.00						0.00	0.00					

Number of Lost Fills 12
 Number of Intentional Dumps 12
 Number of Fills 24

Downtime
 User System
 20.95 20.95

Total User Beam 1698.05 70.8 User Beam days
 Total User Downtime 20.95 <-- This downtime includes Gaps Open
 Total Schedule Run Length 1719

Mean Time Between Faults 141.50
 Faults/Day of Delivered Beam 0.17
 X-ray Availability 98.78%