

Downtime for Run 2025-3

Fill #	Start	End	Length	Loss Reason	DIN #	Audit	Start	End	User Length	System Length	Cause	System	Group	Type	Description
1	09/16/25 08:00	09/17/25 10:35	26.58	Water flow fault [MOM]			09/17/25 10:35	09/17/25 12:10	1.58	1.58	MOM	MOM	MOM	Store Lost	
2	09/17/25 12:10	09/17/25 23:26	11.27	SR M1 trip [PS]			09/17/25 23:26	09/18/25 00:40	1.23	1.23	PS	PS	PS	Store Lost	
3	09/18/25 00:40	09/19/25 15:58	39.30	Process water trip [FAC]			09/19/25 15:58	09/19/25 17:51	1.88	1.88	FAC	FAC	FAC	Store Lost	
4	09/19/25 17:51	09/20/25 09:50	15.98	32ID PSS trip [SI]			09/20/25 09:50	09/20/25 13:26	3.60	3.60	SI	SI	SI	Store Lost	
6	09/20/25 13:26	09/21/25 10:13	20.78	RF-2 ion gage flt [RF]			09/21/25 10:13	09/21/25 10:28	0.25	0.25	RF	RF	RF	Store Lost	
7	09/21/25 10:28	09/21/25 17:05	6.62	24ID PSS trip [SI]			09/21/25 17:05	09/21/25 20:19	3.23	3.23	SI	SI	SI	Store Lost	
8	09/21/25 20:19	09/22/25 08:00	11.68	Int Dump: End of Period					0.00	0.00				Scheduled	
			132.22						11.78	11.78					
9	09/23/25 08:00	09/24/25 12:35	28.58	11ID PSS trip [SI]			09/24/25 12:35	09/24/25 14:24	1.82	1.82	SI	SI	SI	Store Lost	
11	09/24/25 14:24	09/25/25 12:41	22.28	11ID PSS trip [SI]			09/25/25 12:41	09/25/25 13:56	1.25	1.25	SI	SI	SI	Store Lost	
12	09/25/25 13:56	09/25/25 16:51	2.92	11ID PSS trip [SI]			09/25/25 16:51	09/25/25 18:27	1.60	1.60	SI	SI	SI	Store Lost	
13	09/25/25 18:27	09/30/25 08:00	109.55	Int Dump: End of Period					0.00	0.00				Scheduled	
			163.33						4.67	4.67					
			0.00				10/01/25 08:00	10/01/25 09:01	1.02	1.02	RF	RF	RF	Inhibits Beam to User	RF-2 power monitor fault
15	10/01/25 09:01	10/06/25 08:00	118.98	Int Dump: End of Period					0.00	0.00				Scheduled	
			118.98						1.02	1.02					
16	10/07/25 08:00	10/07/25 09:05	1.08	S31 water flow [MOM]			10/07/25 09:05	10/07/25 09:33	0.47	0.47	MOM	MOM	MOM	Store Lost	
17	10/07/25 09:33	10/08/25 03:52	18.32	Power sag [ComEd]			10/08/25 03:52	10/08/25 05:26	1.57	1.57	ComEd	ComEd	ComEd	Store Lost	
18	10/08/25 05:26	10/08/25 14:08	8.70	RF-4 cathode OI [RF]			10/08/25 14:08	10/08/25 15:51	1.72	1.72	RF	RF	RF	Store Lost	
19	10/08/25 15:51	10/13/25 08:00	112.15	Int Dump: End of Period					0.00	0.00				Scheduled	
			140.25						3.75	3.75					
20	10/15/25 08:00	10/16/25 15:36	31.60	RF-4 trip [RF]			10/16/25 15:36	10/16/25 16:09	0.55	0.55	RF	RF	RF	Inhibits Beam to User	
21	10/16/25 16:09	10/20/25 08:00	87.85	Int Dump: End of Period					0.00	0.00				Scheduled	
			119.45						0.55	0.55					
22	10/21/25 08:00	10/21/25 10:33	2.55	S9-12 power surge [FAC]			10/21/25 10:33	10/21/25 11:47	1.23	1.23	FAC	FAC	FAC	Store Lost	
23	10/21/25 11:47	10/24/25 08:43	68.93	33ID PSS trip [SI]			10/24/25 08:43	10/24/25 09:12	0.48	0.48	SI	SI	SI	Store Lost	
24	10/24/25 09:12	10/24/25 11:23	2.18	33ID PSS trip [SI]			10/24/25 11:23	10/24/25 13:23	2.00	2.00	SI	SI	SI	Store Lost	
25	10/24/25 13:23	10/26/25 16:21	50.97	Breaker trip [FAC]			10/26/25 16:21	10/26/25 19:23	3.03	3.03	FAC	FAC	FAC	Store Lost	
26	10/26/25 19:23	10/27/25 08:00	12.62	Int Dump: End of Period					0.00	0.00				Scheduled	
			137.25						6.75	6.75					
			0.00				10/28/25 08:00	10/28/25 14:52	6.87	6.87	FAC	FAC	FAC	Inhibits Beam to User	
27	10/28/25 14:52	10/28/25 17:22	2.50	M1 imbalance [PS]			10/28/25 17:22	10/28/25 18:25	1.05	1.05	PS	PS	PS	Store Lost	Failed breaker in S11
28	10/28/25 18:25	10/31/25 08:27	62.03	S37 RF tuner error [RF]			10/31/25 08:27	10/31/25 09:31	1.07	1.07	RF	RF	RF	Store Lost	
29	10/31/25 09:31	10/31/25 12:19	2.80	RF-4 trip [RF]			10/31/25 12:19	10/31/25 13:20	1.02	1.02	RF	RF	RF	Store Lost	
30	10/31/25 13:20	11/03/25 08:00	67.67	Int Dump: End of Period					0.00	0.00				Scheduled	
			135.00						10.00	10.00					
31	11/05/25 08:00	11/10/25 02:12	114.20	Power sag [FAC]			11/10/25 02:12	11/10/25 04:27	2.25	2.25	FAC	FAC	FAC	Store Lost	
32	11/10/25 04:27	11/10/25 08:00	3.55	Int Dump: End of Period					0.00	0.00				Scheduled	
			117.75						2.25	2.25					
33	11/11/25 08:00	11/11/25 16:01	8.02	23ID PSS trip [SI]			11/11/25 16:01	11/11/25 17:38	1.62	1.62	SI	SI	SI	Store Lost	
34	11/11/25 17:38	11/15/25 10:52	89.23	BLS Quench [OTH]			11/15/25 10:52	11/15/25 13:04	2.20	2.20	OTH	OTH	OTH	Store Lost	
35	11/15/25 13:04	11/17/25 08:00	42.93	Int Dump: End of Period					0.00	0.00				Scheduled	
			140.18						3.82	3.82					
36	11/18/25 08:00	11/20/25 01:52	41.87	RF-2 trip [RF]			11/20/25 01:52	11/20/25 02:18	0.43	0.43	RF	RF	RF	Store Lost	
37	11/20/25 02:18	11/20/25 08:52	6.57	RF-2 trip [RF]			11/20/25 08:52	11/20/25 09:07	0.25	0.25	RF	RF	RF	Store Lost	
38	11/20/25 09:07	11/20/25 10:09	1.03	RF-2 trip [RF]			11/20/25 10:09	11/20/25 11:13	1.07	1.07	RF	RF	RF	Store Lost	
39	11/20/25 11:13	11/21/25 07:28	20.25	7ID FEEPS trip [SI]			11/21/25 07:28	11/21/25 08:49	1.35	1.35	SI	SI	SI	Store Lost	
40	11/21/25 08:49	11/22/25 11:56	27.12	BLS Quench [OTH]			11/22/25 11:56	11/22/25 13:10	1.23	1.23	OTH	OTH	OTH	Store Lost	
41	11/22/25 13:10	11/23/25 03:00	13.83	BLS Quench [OTH]			11/23/25 03:00	11/23/25 04:14	1.23	1.23	OTH	OTH	OTH	Store Lost	
42	11/23/25 04:14	11/23/25 06:34	2.33	SR M1 unbalance trip [PS]			11/23/25 06:34	11/23/25 07:38	1.07	1.07	PS	PS	PS	Store Lost	
43	11/23/25 07:38	11/23/25 18:56	11.30	BLS Quench [OTH]			11/23/25 18:56	11/23/25 19:21	0.42	0.42	OTH	OTH	OTH	Store Lost	
44	11/23/25 19:21	11/24/25 02:54	7.55	BLS Quench [OTH]			11/24/25 02:54	11/24/25 03:43	0.82	0.82	OTH	OTH	OTH	Store Lost	
45	11/24/25 03:43	11/27/25 00:00	68.28	Int Dump: End of Period					0.00	0.00				Scheduled	
			200.13						7.87	7.87					
46	11/28/25 08:00	12/08/25 08:00	240.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			240.00						0.00	0.00					
47	12/10/25 08:00	12/10/25 18:39	10.65	10ID RM failure [HP]			12/10/25 18:39	12/10/25 20:31	1.87	1.87	HP	HP	HP	Store Lost	
48	12/10/25 20:31	12/11/25 19:29	22.97	IETS timing issue [CTL]			12/11/25 19:29	12/11/25 19:47	0.30	0.30	CTL	CTL	CTL	Store Lost	
49	12/11/25 19:47	12/12/25 19:58	24.18	S19 BPLD [DIA]			12/12/25 19:58	12/12/25 20:14	0.27	0.27	DIA	DIA	DIA	Store Lost	
50	12/12/25 20:14	12/13/25 02:19	6.08	S19 BPLD [DIA]			12/13/25 02:19	12/13/25 02:32	0.22	0.22	DIA	DIA	DIA	Store Lost	Updated 1/29/2026

Fill #	Start	End	Length	Loss Reason	DIN #	Audit	Start	End	User Length	System Length	Cause	System	Group	Type	Description
51	12/13/25 02:32	12/13/25 21:57	19.42	S19 BPLD [DIA]			12/13/25 21:57	12/14/25 00:05	2.13	2.13	UNK	UNK	UNK	Store Lost	
55	12/14/25 00:05	12/14/25 01:46	1.68	S19 BPLD [DIA]			12/14/25 01:46	12/14/25 01:53	0.12	0.12	UNK	UNK	UNK	Store Lost	
56	12/14/25 01:53	12/14/25 08:42	6.82	S19 BPLD [DIA]			12/14/25 08:42	12/14/25 10:32	1.83	1.83	UNK	UNK	UNK	Store Lost	
59	12/14/25 10:32	12/15/25 08:00	21.47	Int Dump: End of Period					0.00	0.00				Scheduled	
			113.27						6.73	6.73					
60	12/16/25 08:00	12/16/25 17:54	9.90	S24 water flow [MOM]			12/16/25 17:54	12/16/25 20:12	2.30	2.30	MOM	MOM	MOM	Store Lost	
61	12/16/25 20:12	12/16/25 21:54	1.70	S23 BPLD trip [DIA]			12/16/25 21:54	12/17/25 12:50	14.93	14.93	DIA	DIA	DIA	Store Lost	
66	12/17/25 12:50	12/17/25 18:44	5.90	BLS Quench [RF]			12/17/25 18:44	12/17/25 19:58	1.23	1.23	RF	RF	RF	Store Lost	
68	12/17/25 19:58	12/17/25 23:39	3.68	BLS Quench [RF]			12/17/25 23:39	12/18/25 01:45	2.10	2.10	RF	RF	RF	Store Lost	
71	12/18/25 01:45	12/18/25 09:11	7.43	RF MPS mute [CTL]			12/18/25 09:11	12/18/25 11:30	2.32	2.32	CTL	CTL	CTL	Store Lost	
73	12/18/25 11:30	12/18/25 20:12	8.70	MPS fault [CTL]			12/18/25 20:12	12/18/25 21:00	0.80	0.80	CTL	CTL	CTL	Store Lost	
75	12/18/25 21:00	12/20/25 05:37	32.62	MPS fault [CTL]			12/20/25 05:37	12/20/25 06:25	0.80	0.80	CTL	CTL	CTL	Store Lost	
77	12/20/25 06:25	12/20/25 10:36	4.18	MPS fault [CTL]			12/20/25 10:36	12/20/25 10:53	0.28	0.28	CTL	CTL	CTL	Store Lost	
78	12/20/25 10:53	12/20/25 14:25	3.53	MPS fault [CTL]			12/20/25 14:25	12/20/25 15:21	0.93	0.93	CTL	CTL	CTL	Store Lost	
79	12/20/25 15:21	12/20/25 18:23	3.03	MPS fault [CTL]			12/20/25 18:23	12/20/25 19:30	1.12	1.12	CTL	CTL	CTL	Store Lost	
82	12/20/25 19:30	12/21/25 04:31	9.02	Bad VME board [CTL]			12/21/25 04:31	12/21/25 08:03	3.53	3.53	CTL	CTL	CTL	Store Lost	
83	12/21/25 08:03	12/22/25 00:00	15.95	Int Dump: End of Period					0.00	0.00				Scheduled	
			105.65						30.35	30.35					

Number of Lost Fills			49	Downtime		
Number of Intentional Dumps			14	User System		
Number of Fills			63	89.53 89.53		
Total User Beam			1863.47	77.6 User Beam days		
Total User Downtime			89.53	<-- This downtime includes Gaps Open		
Total Schedule Run Length			1953			
Mean Time Between Faults			38.03			
Faults/Day of Delivered Beam			0.63			
X-ray Availability			95.4%			