

Downtime for Run 2021-1

Fill #	Start	End	Length	Loss Reason	DIN #	Audit	Start	End	User Length	System Length	Cause	System	Group	Type	Description
1	01/26/21 08:00	1/28/2021 13:43	53.72	Com Ed power sag [OTH]	107302		1/28/2021 13:43	01/28/21 16:02	2.32	2.32	ComEd	ComEd	ComEd	Store Lost	
2	01/28/21 16:02	02/01/21 08:00	87.97	Int Dump: End of Period					0.00	0.00				Scheduled	
			141.68						2.32	2.32					
3	02/02/21 08:00	02/08/21 08:00	144.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			144.00						0.00	0.00					
4	02/09/21 08:00	2/10/2021 12:16	28.27	RF-4 Anode OI [RF]	107306		2/10/2021 12:16	02/10/21 12:46	0.50	0.50	RF	RF	RF	Store Lost	
5	02/10/21 12:46	02/15/21 08:00	115.23	Int Dump: End of Period					0.00	0.00				Scheduled	
			143.50						0.50	0.50					
6	02/16/21 08:00	02/16/21 13:26	5.43	Com Ed power sag [OTH]	107308		02/16/21 13:26	02/16/21 15:16	1.83	1.83	ComEd	ComEd	ComEd	Store Lost	
7	02/16/21 15:16	2/18/2021 9:47	42.52	Com Ed power sag [OTH]	107312		2/18/2021 9:47	02/18/21 15:13	5.43	5.43	ComEd	ComEd	ComEd	Store Lost	
8	02/18/21 15:13	02/20/21 23:41	56.47	S24C:BM trip [PS]	107313		02/20/21 23:41	02/21/21 02:17	2.60	2.60	PS	PS	PS	Store Lost	
9	02/21/21 02:17	2/21/2021 22:29	20.20	S24C:BM trip [PS]	107318		2/21/2021 22:29	02/22/21 00:41	2.20	2.20	PS	PS	PS	Store Lost	
10	02/22/21 00:41	02/22/21 08:00	7.32	Int Dump: End of Period					0.00	0.00				Scheduled	
			131.93						12.07	12.07					
11	02/23/21 08:00	02/27/21 01:26	89.43	S15A:H1 tripped [PS]	107321		02/27/21 01:26	02/27/21 06:26	5.00	5.00	PS	PS	PS	Store Lost	S15A:H1 tripped S:IS1 stopped pulsing
12	02/27/21 06:26	2/28/2021 13:22	30.93	S35 Waveguide ari trip [RF]	107324		2/28/2021 13:22	02/28/21 18:21	4.98						
							2/28/2021 13:22	02/28/21 17:15		3.88	RF	RF	RF	Store Lost	
							2/28/2021 17:15	02/28/21 18:21		1.10	PS	PS	PS	Inhibits Beam to User	
14	02/28/21 18:21	03/01/21 08:00	13.65	Int Dump: End of Period					0.00	0.00				Scheduled	
			134.02						9.98	9.98					
15	03/02/21 08:00	03/02/21 20:51	12.85	RF-4 LLRF trip [RF]	107326		03/02/21 20:51	03/02/21 21:21	0.50	0.50	RF	RF	RF	Store Lost	
16	03/02/21 21:21	3/3/2021 13:43	16.37	S38B:S1 glitched [PS]	107327		3/3/2021 13:43	03/03/21 14:48	1.08	1.08	PS	PS	PS	Store Lost	
17	03/03/21 14:48	03/08/21 08:00	113.20	Int Dump: End of Period					0.00	0.00				Scheduled	
			142.42						1.58	1.58					
18	03/10/21 08:00	03/10/21 13:12	5.20	RF-3 Crowbar trip [RF]	107328		03/10/21 13:12	03/10/21 14:01	0.82	0.82	RF	RF	RF	Store Lost	
19	03/10/21 14:01	3/14/2021 21:05	102.07	RF-4 T/R N2 trip [RF]	107330		3/14/2021 21:05	03/14/21 22:10	1.08	1.08	RF	RF	RF	Store Lost	
20	03/14/21 22:10	03/15/21 08:00	9.83	Int Dump: End of Period					0.00	0.00				Scheduled	
			117.10						1.90	1.90					
21	03/16/21 08:00	3/18/2021 10:42	50.70	RF-4 Anode OI [RF]	107332		3/18/2021 10:42	03/18/21 13:17	2.58	2.58	RF	RF	RF	Store Lost	
22	03/18/21 13:17	03/22/21 08:00	90.72	Int Dump: End of Period					0.00	0.00				Scheduled	
			141.42						2.58	2.58					
23	03/23/21 08:00	3/24/2021 19:23	35.38	S25 EPS/H2O/VAC [MOM]	107339		3/24/2021 19:23	03/24/21 20:30	1.12	1.12	MOM	MOM	MOM	Store Lost	
24	03/24/21 20:30	03/29/21 08:00	107.50	Int Dump: End of Period					0.00	0.00				Scheduled	
			142.88						1.12	1.12					
			0.00				3/30/2021 8:00	03/30/21 09:32	1.53	1.53	MOM	MOM	MOM	Inhibits Beam to User	S17 magnet water leak
25	03/30/21 09:32	03/31/21 16:07	30.58	S11 GESPAC failure [PS]	107340		03/31/21 16:07	03/31/21 18:38	2.52	2.52	PS	PS	PS	Store Lost	
26	03/31/21 18:38	4/3/2021 16:02	69.40	8ID PSS trip [SI]	107342		4/3/2021 16:02	04/03/21 17:59	1.95	1.95	SI	SI	SI	Store Lost	
27	04/03/21 17:59	04/05/21 08:00	38.02	Int Dump: End of Period					0.00	0.00				Scheduled	
			138.00						6.00	6.00					
28	04/06/21 08:00	4/7/2021 7:19	23.32	RF-4 Anode OI [RF]	107344		4/7/2021 7:19	04/07/21 08:12	0.88	0.88	RF	RF	RF	Store Lost	
29	04/07/21 08:12	04/12/21 08:00	119.80	Int Dump: End of Period					0.00	0.00				Scheduled	
			143.12						0.88	0.88					
30	04/13/21 08:00	04/13/21 12:59	4.98	SRFB Instability [AOP]	107347		04/13/21 12:59	04/13/21 13:28	0.48	0.48	AOP	AOP	AOP	Store Lost	
31	04/13/21 13:28	4/18/2021 11:14	117.77	S36 RF cav vac [RF]	107350		4/18/2021 11:14	04/18/21 11:43	0.48	0.48	RF	RF	RF	Store Lost	
32	04/18/21 11:43	04/22/21 00:00	84.28	Int Dump: End of Period					0.00	0.00				Scheduled	
			207.03						0.97	0.97					

Scheduled
 Number of Lost Fills 19
 Number of Intentional Dumps 12
 Number of Fills 31

 Total User Beam 1727.10
 Total User Downtime 39.90 <-- This downtime includes Gaps Open
 Total Schedule Run Length 1767

Downtime
 User System
 39.90 39.90

 0.00 0.00

Fill #	Start	End	Length	Loss Reason	DIN #	Audit	Start	End	User Length	System Length	Cause	System	Group	Type	Description
	Mean Time Between Faults		90.90												
	Faults/Day of Delivered Beam		0.26												
	X-ray Availability		97.74%												