Downtime for Run 2023-1

Fill #	Start	End	Length	Loss Reason	DIN #	Audit	Start	End	User Length	System Length	Cause	System	Group	Type	Description
1	01/31/23 08:00	01/31/23 12:13	4.22	Dimtel instability [AOP]			01/31/23 12:13	01/31/23 12:25	0.20	0.20	AOP	AOP	AOP	Store Lost	
2	01/31/23 12:25	2/3/2023 12:18	71.88	S26 GESPAC failure [PS]			2/3/2023 12:18	02/03/23 14:26	2.13	2.13	PS	PS	PS	Store Lost	
3	02/03/23 14:26	02/03/23 20:50	6.40	Dimtel instability [AOP]			02/03/23 20:50	02/03/23 20:54	0.07	0.07	AOP	AOP	AOP	Store Lost	
4	02/03/23 20:54	2/3/2023 23:46	2.87	S26 GESPAC failure [PS]			2/3/2023 23:46	2/4/2023 8:43	8.95						
			0.00				2/3/2023 23:46	2/4/2023 0:16		0.50	PS	PS	PS	Store Lost	
			0.00				2/4/2023 0:16	2/4/2023 2:34		2.30	RF	RF	RF	Inhibits Beam to User	K2 wouldn't reset
			0.00				2/4/2023 2:34	2/4/2023 5:00		2.43	MCR	MCR	MCR	Inhibits Beam to User	operator error
			0.00				2/4/2023 5:00	2/4/2023 8:43		3.72	PS	PS	PS	Inhibits Beam to User	GESPAC replacement
5	02/04/23 08:43	02/06/23 08:00	47.28	Int Dump: End of Period					0.00	0.00				Scheduled	
			132.65						**11.35**	**11.35**					
6	02/07/23 08:00	02/13/23 08:00	144.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			144.00						**0.00**	**0.00**					
7	02/14/23 08:00	02/14/23 13:30	5.50	Dimtel instability [AOP]			02/14/23 13:30	02/14/23 13:51	0.35	0.35	AOP	AOP	AOP	Store Lost	
8	02/14/23 13:51	2/16/2023 23:22	57.52	Unknown beam motion [UNK]			2/16/2023 23:22	02/17/23 00:03	0.68	0.68	UNK	UNK	UNK	Store Lost	
9	02/17/23 00:03	02/17/23 01:11	1.13	S31/32 water fault [MOM]			02/17/23 01:11	02/17/23 02:57	1.77	1.77	MOM	MOM	MOM	Store Lost	
10	02/17/23 02:57	2/17/2023 8:00	5.05	S31B:Q4 klixon [PS]			2/17/2023 8:00	02/17/23 09:50	1.83	1.83	PS	PS	PS	Store Lost	
11	02/17/23 09:50	02/17/23 15:10	5.33	RF4 Ion gage fault [RF]			02/17/23 15:10	02/17/23 15:43	0.55	0.55	RF	RF	RF	Store Lost	
12	02/17/23 15:43	2/17/2023 19:54	4.18	S31B:Q4 klixon [PS]			2/17/2023 19:54	2/18/2023 0:47	4.88	4.88	PS	PS	PS	Store Lost	Tunnel acces required to divert water
13	02/18/23 00:47	02/20/23 08:00	55.22	Int Dump: End of Period					0.00	0.00				Scheduled	
			133.93						**10.07**	**10.07**					
14	02/21/23 08:00	2/25/2023 0:26	88.43	S4B:V4 glitch [AOP]			2/25/2023 0:26	02/25/23 01:12	0.77	0.77	AOP	AOP	AOP	Store Lost	
15	02/25/23 01:12	02/26/23 21:56	44.73	14ID FEEPS flt [SI]			02/26/23 21:56	02/26/23 23:54	1.97	1.97	SI	SI	SI	Store Lost	
16	02/26/23 23:54	2/27/2023 1:53	1.98	RF-3 HVPS trip [RF]			2/27/2023 1:53	2/27/2023 2:22	0.48	0.48	RF	RF	RF	Store Lost	
17	02/27/23 02:22	02/27/23 08:00	5.63	Int Dump: End of Period					0.00	0.00				Scheduled	
			140.78						**3.22**	**3.22**					
18	02/28/23 08:00	03/01/23 12:10	28.17	S13/14 water trip [MOM]			03/01/23 12:10	03/01/23 13:13	1.05	1.05	MOM	MOM	MOM	Store Lost	
19	03/01/23 13:13	3/5/2023 6:20	89.12	Unknown beam motion [UNK]			3/5/2023 6:20	3/5/2023 6:55	0.58	0.58	UNK	UNK	UNK	Store Lost	
20	03/05/23 06:55	03/06/23 08:00	25.08	Int Dump: End of Period					0.00	0.00				Scheduled	
			142.37						**1.63**	**1.63**					
21	03/08/23 08:00	3/12/2023 18:32	105.53	S5/6 water fault [MOM]			3/12/2023 18:32	3/12/2023 20:01	1.48	1.48	MOM	MOM	MOM	Store Lost	
22	03/12/23 20:01	03/13/23 08:00	11.98	Int Dump: End of Period					0.00	0.00				Scheduled	
			117.52						**1.48**	**1.48**					
			0.00				03/14/23 08:00	03/14/23 08:18	0.30	0.30	AOP	AOP	AOP	Inhibits Beam to User	P0 read error
23	03/14/23 08:18	3/18/2023 6:35	94.28	BPM reboot [MCR]			3/18/2023 6:35	3/18/2023 7:27	0.87	0.87	MCR	MCR	MCR	Store Lost	
24	03/18/23 07:27	03/20/23 08:00	48.55	Int Dump: End of Period					0.00	0.00				Scheduled	
			142.83						**1.17**	**1.17**					
			0.00				3/21/2023 8:00	03/21/23 23:15	15.25	15.25	MD	MD	MD	Inhibits Beam to User	13ID gap failure
25	03/21/23 23:15	03/23/23 08:00	32.75	13BM PSS Glitch [SI]			03/23/23 08:00	03/23/23 08:52	0.87	0.87	SI	SI	SI	Store Lost	
26	03/23/23 08:52	3/25/2023 0:02	39.17	BPLD load error [MCR]			3/25/2023 0:02	3/25/2023 0:40	0.63	0.63	MCR	MCR	MCR	Store Lost	
27	03/25/23 00:40	03/27/23 08:00	55.33	Int Dump: End of Period					0.00	0.00				Scheduled	
			127.25						**16.75**	**16.75**					
28	03/28/23 08:00	03/30/23 18:15	58.25	RF4 LLRF trip [RF]			03/30/23 18:15	03/30/23 18:52	0.62	0.62	RF	RF	RF	Store Lost	
29	03/30/23 18:52	4/3/2023 1:11	78.32	IOCS29FB reboot [CTL]			4/3/2023 1:11	4/3/2023 3:31	2.33	2.33	CTL	CTL	CTL	Store Lost	
30	04/03/23 03:31	04/03/23 08:00	4.48	Int Dump: End of Period					0.00	0.00				Scheduled	
			141.05						**2.95**	**2.95**					
31	04/04/23 08:00	04/04/23 09:43	1.72	27ID BPLD [DIA]			04/04/23 09:43	04/04/23 10:23	0.67	0.67	DIA	DIA	DIA	Store Lost	
32	04/04/23 10:23	4/5/2023 21:25	35.03	S2B:Q2 trip [PS]			4/5/2023 21:25	4/6/2023 1:31	4.10	4.10	PS	PS	PS	Store Lost	
33	04/06/23 01:31	04/10/23 08:00	102.48	Int Dump: End of Period					0.00	0.00				Scheduled	
			139.23						**4.77**	**4.77**					
34	04/11/23 08:00	4/15/2023 22:16	110.27	RF3 anode OI trip [RF]			4/15/2023 22:16	04/15/23 22:48	0.53	0.53	RF	RF	RF	Store Lost	
35	04/15/23 22:48	04/16/23 14:54	16.10	13ID IO module [SI]			04/16/23 14:54	04/16/23 20:03	5.15	5.15	SI	SI	SI	Store Lost	
36	04/16/23 20:03	4/17/2023 5:11	9.13	S26B:Q2 trip [PS]			4/17/2023 5:11	4/17/2023 6:31	1.33	1.33	PS	PS	PS	Store Lost	
37	04/17/23 06:31	04/17/23 08:00	1.48	Int Dump: End of Period					0.00	0.00				Scheduled	
			136.98						**7.02**	**7.02**					

Scheduled

Updated 4/21/2023

Fill #	Start	End	Length	Loss Reason	DIN #	Audit	Start	End	User Length	System Length	Cause	System	Group	Type	Description

Number of Lost Fills	26
Number of Intentional Dumps	11
Number of Fills	37

Downtime	User	System
	60.40	60.40
	0.00	0.00

Total User Beam	1498.60	62.4 User Beam days
Total User Downtime	60.40	<-- This downtime includes Gaps Open
Total Schedule Run Length	1559	

Mean Time Between Faults	57.64
Faults/Day of Delivered Beam	0.42
X-ray Availability	96.13%