

Downtime for Run 2020-3

Fill #	Start	End	Length	Loss Reason	DIN #	Audit	Start	End	User Length	System Length	Cause	System	Group	Type	Description
1	10/01/20 08:00	10/02/20 00:06	16.10	RF4 HVPS trip [RF]	107251		10/02/20 00:06	10/02/20 01:09	1.05	1.05	RF	RF	RF	Store Lost	
2	10/02/20 01:09	10/02/20 10:15	9.10	21ID PSS trip [SI]	107252		10/02/20 10:15	10/02/20 13:15	3.00						
							10/02/20 10:15	10/02/20 11:36		1.35	SI	SI	SI	Store Lost	
							10/02/20 11:36	10/02/20 13:15		1.65	AOP	AOP	AOP	Inhibits Beam To User	
3	10/02/20 13:15	10/02/20 14:44	1.48	RF4 HVPS trip [RF]	107253		10/02/20 14:44	10/02/20 17:28	2.73	2.73	RF	RF	RF	Store Lost	
4	10/02/20 17:28	10/09/20 18:05	168.62	21ID PSS trip [SI]	107255		10/09/20 18:05	10/10/20 00:50	6.75						
							10/09/20 18:05	10/09/20 18:35		0.50	SI	SI	SI	Store Lost	
							10/09/20 18:35	10/10/20 00:50		6.25	IT	IT	IT	Inhibits Beam To User	
5	10/10/20 00:50	10/11/20 03:51	27.02	19ID vacuum [VAC]	107257		10/11/20 03:51	10/12/20 01:47	21.93	21.93	VAC	VAC	VAC	Store Lost	
6	10/12/20 01:47	10/12/20 08:00	6.22	Int Dump: End of Period					0.00	0.00				Scheduled	
			228.53						35.47	35.47					
			0.00		107259		10/13/20 08:00	10/13/20 08:44	0.73	0.73	SI	SI	SI	Inhibits Beam To user	35ID closed with shutter closed
7	10/13/20 08:44	10/14/20 14:56	30.20	29ID BPLD heartbeat [CTL]	107262		10/14/20 14:56	10/14/20 16:05	1.15	1.15	CTL	CTL	CTL	Store Lost	
8	10/14/20 16:05	10/17/20 12:54	68.82	S21 RTFB heartbeat [CTL]	107264		10/17/20 12:54	10/17/20 16:34	3.67	3.67	CTL	CTL	CTL	Store Lost	
9	10/17/20 16:34	10/19/20 08:00	39.43	Int Dump: End of Period					0.00	0.00				Scheduled	
			138.45						5.55	5.55					
10	10/20/20 08:00	10/20/20 23:00	15.00	PS Glitch [PS]	107267		10/20/20 23:00	10/21/20 01:30	2.50	2.50	PS	PS	PS	Store Lost	
11	10/21/20 01:30	10/22/20 04:13	26.72	Under Investigation	107268		10/22/20 04:13	10/22/20 04:53	0.67	0.67	UNK	UNK	UNK	Store Lost	
12	10/22/20 04:53	10/26/20 08:00	100.12	Int Dump: End of Period					0.00	0.00				Scheduled	
			141.83						3.17	3.17					
			0.00		107271		10/27/20 08:00	10/27/20 09:28	1.47	1.47	VAC	VAC	VAC	Inhibits Beam to User	Access S19 vac leak
13	10/27/20 09:28	10/30/20 13:28	76.00	RF3 HVPS trip [RF]	107273		10/30/20 13:28	10/30/20 14:18	0.83	0.83	RF	RF	RF	Store Lost	
14	10/30/20 14:18	11/02/20 08:00	65.70	Int Dump: End of Period					0.00	0.00				Scheduled	
			141.70						2.30	2.30					
			0.00		107274		11/03/20 08:00	11/03/20 14:13	6.22	6.22	DIA	DIA	DIA	Inhibits Beam to User	Recovery from broken pipe at 19ID
15	11/03/20 14:13	11/03/20 17:35	3.37	S19A:V3 trip [PS]	107275		11/03/20 17:35	11/03/20 20:00	2.42	2.42	PS	PS	PS	Store Lost	
16	11/03/20 20:00	11/05/20 09:44	37.73	Pump 521 flow glitch[MOM]	107276		11/05/20 09:44	11/05/20 11:28	1.73	1.73	MOM	MOM	MOM	Store Lost	
17	11/05/20 11:28	11/07/20 09:51	46.38	S34BM:C Glitch [PS]	107277		11/07/20 09:51	11/07/20 10:19	0.47	0.47	PS	PS	PS	Store Lost	
18	11/07/20 10:19	11/08/20 02:39	16.33	S34BM:C Glitch [PS]	107278		11/08/20 02:39	11/08/20 08:14	5.58	5.58	PS	PS	PS	Store Lost	
20	11/08/20 08:14	11/09/20 08:00	23.77	Int Dump: End of Period					0.00	0.00				Scheduled	
			127.58						16.42	16.42					
			0.00		107280		11/11/20 08:00	11/11/20 10:13	2.22	2.22	RF	RF	RF	Inhibits Beam to User	RF3 trip waveguide switch
21	11/11/20 10:13	11/15/20 17:59	103.77	13ID EPS trip [SI]	107282		11/15/20 17:59	11/15/20 21:19	3.33	3.33	SI	SI	SI	Store Lost	
22	11/15/20 21:19	11/16/20 08:00	10.68	Int Dump: End of Period					0.00	0.00				Scheduled	
			114.45						5.55	5.55					
23	11/17/20 08:00	11/18/20 09:24	25.40	Human Error [AOP]	107284		11/18/20 09:24	11/18/20 10:21	0.95	0.95	AOP	AOP	AOP	Store Lost	
24	11/18/20 10:21	11/25/20 08:00	165.65	Int Dump: End of Period					0.00	0.00				Scheduled	
			191.05						0.95	0.95					
			0.00		107290		11/27/20 08:00	11/27/20 08:26	0.43	0.43	AOP	AOP	AOP	Inhibits Beam To user	Returned beam to Ops too late for user beam
25	11/27/20 08:26	12/03/20 13:11	148.75	9BM-A door fault [SI]	107295		12/03/20 13:11	12/03/20 14:36	1.42	1.42	SI	SI	SI	Store Lost	
26	12/03/20 14:36	12/05/20 13:40	47.07	RF-4 HVPS trip [RF]	107296		12/05/20 13:40	12/05/20 14:11	0.52	0.52	RF	RF	RF	Store Lost	
27	12/05/20 14:11	12/07/20 08:00	41.82	Int Dump: End of Period					0.00	0.00				Scheduled	
			237.63						2.37	2.37					
28	12/08/20 08:00	12/17/20 08:00	216.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			216.00						0.00	0.00					

Number of Lost Fills 18
 Number of Intentional Dumps 5
 Number of Fills 23

Downtime
 User System
 71.77 71.77

Total User Beam 1537.23 64.1 User Beam days
 Total User Downtime 71.77 <-- This downtime includes Gaps Open
 Total Schedule Run Length 1609
 Mean Time Between Faults 85.40

Fill #	Start	End	Length	Loss Reason	DIN #	Audit	Start	End	User Length	System Length	Cause	System	Group	Type	Description
	Faults/Day of Delivered Beam		0.28												
	X-ray Availability		95.5%												