

Downtime for Run 2019-3

Fill #	Start	End	Length	Loss Reason	DIN #	Audit	Start	End	User Length	System Length	Cause	System	Group	Type	Description
1	10/01/19 08:00	10/07/19 08:00	144.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			144.00				10/08/19 08:00	10/11/19 08:00	72.00	72.00	MOM	MOM	MOM	Inhibits beam to user	
2	10/11/19 08:00	10/13/19 21:50	61.83	S13A:V3 PS DAC flt [PS]	107092		10/13/19 21:50	10/14/19 01:21	3.52						
							10/13/19 21:50	10/13/19 22:20		0.50	PS	PS	PS	Store Lost	
							10/13/19 22:20	10/14/19 01:21		3.02	CTL	CTL	CTL	Inhibits beam to user	Bad BPMs removed
3	10/14/19 01:21	10/14/19 08:00	6.65	Int Dump: End of Period					0.00	0.00				Scheduled	
			68.48						75.52	75.52					
4	10/15/19 08:00	10/19/19 14:36	102.60	RF reflected pwr flt [RF]	107095		10/19/19 14:36	10/19/19 15:12	0.60	0.60	RF	RF	RF	Store Lost	
5	10/19/19 15:12	10/21/19 08:00	40.80	Int Dump: End of Period					0.00	0.00				Scheduled	
			143.40						0.60	0.60					
6	10/22/19 08:00	10/22/19 15:32	7.53	S19A:S1 PS I out=0 [PS]	107097		10/22/19 15:32	10/22/19 16:57	1.42	1.42	PS	PS	PS	Store Lost	
7	10/22/19 16:57	10/28/19 08:00	135.05	Int Dump: End of Period					0.00	0.00				Scheduled	
			142.58						1.42	1.42					
8	10/29/19 08:00	11/04/19 08:00	145.00	Int Dump: End of Period					0.00	0.00				Scheduled	
			145.00						0.00	0.00					
					107098		11/06/19 08:00	11/06/19 11:17	3.28						
							11/06/19 08:00	11/06/19 09:47		1.78	RF	RF	RF	Inhibits beam to user	BESOCM trips
							11/06/19 09:47	11/06/19 11:17		1.50	AOP	AOP	AOP	Inhibits beam to user	High coupling
9	11/06/19 11:17	11/11/19 08:00	116.72	Int Dump: End of Period					0.00	0.00				Scheduled	
			116.72						3.28	3.28					
10	11/12/19 08:00	11/17/19 08:49	120.82	Rad Monitor trip [OTH]	107107		11/17/19 08:49	11/17/19 10:06	1.28	1.28	OTH	OTH	OTH	Store Lost	
11	11/17/19 10:06	11/18/19 08:00	21.90	Int Dump: End of Period					0.00	0.00				Scheduled	
			142.72						1.28	1.28					
12	11/19/19 08:00	11/21/19 06:02	46.03	P0 feedback problem [AOP]	107110		11/21/19 06:02	11/21/19 06:36	0.57	0.57	AOP	AOP	AOP	Store Lost	
13	11/21/19 06:36	11/27/19 08:00	145.40	Int Dump: End of Period					0.00	0.00				Scheduled	
			191.43						0.57	0.57					
14	11/29/19 08:00	11/30/19 01:39	17.65	RF3 crowbar fired [RF]	107114		11/30/19 01:39	11/30/19 02:14	0.58	0.58	RF	RF	RF	Store Lost	
15	11/30/19 02:14	12/06/19 22:21	164.12	Mixing valve failure [MOM]	107116		12/06/19 22:21	12/06/19 23:20	0.98	0.98	MOM	MOM	MOM	Store Lost	
16	12/06/19 23:20	12/09/19 08:00	56.67	Int Dump: End of Period					0.00	0.00				Scheduled	
			238.43						1.57	1.57					
17	12/10/19 08:00	12/16/19 06:07	142.12	RF2 tripped on hybrid load [RF]	107118		12/16/19 06:07	12/16/19 06:40	0.55	0.55	RF	RF	RF	Store Lost	
18	12/16/19 06:40	12/18/19 00:00	41.33	Int Dump: End of Period					0.00	0.00				Scheduled	
			183.45						0.55	0.55					

Number of Lost Fills 8
 Number of Intentional Dumps 10
 Number of Fills 18

Downtime
 User System
 84.78 84.78

Total User Beam 1516.22 63.2 User Beam days
 Total User Downtime 84.78 <-- This downtime includes Gaps Open
 Total Schedule Run Length 1601

Mean Time Between Faults 189.53
 Faults/Day of Delivered Beam 0.13

X-ray Availability 94.7%