

Downtime for Run 2013-2

Fill #	Start	End	Length	Loss Reason	DIN #	Audit	Start	End	User Length	System Length	Cause	System	Group	Type	Description
1	05/29/13 08:00	05/30/13 10:39	26.65	16BM PSS trip [SI]	105994		05/30/13 10:39	05/30/13 11:57	1.30	1.30	SI	SI	SI	Store Lost	
2	05/30/13 11:57	05/30/13 22:38	10.68	S38 Cav 1&2 IG fault[RF]	105995		05/30/13 22:38	05/31/13 00:23	1.75	1.75	RF	RF	RF	Store Lost	Waveguide switch, Kalmus ALC fault, refill
3	05/31/13 00:23	05/31/13 10:52	10.48	RF2 T/R N2 pressure[RF]	105997		05/31/13 10:52	05/31/13 12:39	1.78						Rf [.65hr],PS [.97hr],Diag [.16hr]
							05/31/13 10:52	05/31/13 11:31		0.65	RF	RF	RF	Store Lost	
							05/31/13 11:31	05/31/13 12:29		0.97	PS	PS	PS	Inhibits Beam to User	
							05/31/13 12:29	05/31/13 12:39		0.17	DIA	DIA	DIA	Inhibits Beam to User	
4	05/31/13 12:39	05/31/13 18:42	6.05	16-ID PSS trip [SI]	105998		05/31/13 18:42	05/31/13 19:19	0.62	0.62	SI	SI	SI	Store Lost	
5	05/31/13 19:19	06/03/13 02:19	55.00	S40 VXI fault [RF]	106001		06/03/13 02:19	06/03/13 08:02	5.72	5.72	RF	RF	RF	Store Lost	2 add.trips, VXI P.S. replaced [RF]
8	06/03/13 08:02	06/04/13 08:00	23.97	Int Dump: End of Period					0.00	0.00					
			132.83						11.17	11.17					
			0.00				06/05/13 08:00	06/05/13 09:25	1.42	1.42	RF	RF	RF	Inhibits Beam to User	S38 RF Cav Vac trip[RF]
10	06/05/13 09:25	06/05/13 16:25	7.00	RF4 Power Montiro Trip [RF]	106006		06/05/13 16:25	06/05/13 17:59	1.57	1.57	RF	RF	RF	Store Lost	
11	06/05/13 17:59	06/07/13 21:37	51.63	S16B:S2 power glitch [PS]	106010		06/07/13 21:37	06/08/13 00:45	3.13						
							06/07/13 21:37	06/07/13 23:59		2.37	PS	PS	PS	Store Lost	
							06/07/13 23:59	06/08/13 00:45		0.77	AOP	AOP	AOP	Inhibits Beam to User	
12	06/08/13 00:45	06/11/13 08:00	79.25	Int Dump: End of Period					0.00	0.00					
			137.88						6.12	6.12					
13	06/12/13 08:00	06/12/13 09:03	1.05	RTFB problem [OTH]	106013		06/12/13 09:03	06/12/13 09:23	0.33	0.33	APS-U	APS-U	APS-U	Store Lost	APS-U work
14	06/12/13 09:23	06/13/13 09:41	24.30	RTFB IOC reboot [AOP]	106014		06/13/13 09:41	06/13/13 11:36	1.92						
							06/13/13 09:41	06/13/13 10:11		0.50	AOP	AOP	AOP	Store Lost	
							06/13/13 10:11	06/13/13 11:36		1.42	CTL	CTL	CTL	Inhibits Beam to User	
15	06/13/13 11:36	06/18/13 08:00	116.40	Int Dump: End of Period					0.00	0.00					
			141.75						2.25	2.25					
16	06/19/13 08:00	06/24/13 08:00	120.00	Int Dump: End of Period					0.00	0.00					
			120.00						0.00	0.00					
			0.00		106023		06/26/13 08:00	06/26/13 15:38	7.63	7.63	UNK	UNK	UNK	Inhibits Beam to User	S37 Scraper removal (under investigation)
17	06/26/13 15:38	06/27/13 15:17	23.65	S39B:Q1 p.s. glitch[PS]	106024		06/27/13 15:17	06/27/13 15:57	0.67	0.67	PS	PS	PS	Store Lost	
18	06/27/13 15:57	06/30/13 02:51	58.90	14-ID PSS SS fault[SI]	106025		06/30/13 02:51	06/30/13 03:41	0.83	0.83	SI	SI	SI	Store Lost	
19	06/30/13 03:41	07/02/13 06:51	51.17	RF2 Kly Arc [RF]	106027		07/02/13 06:51	07/02/13 08:20	1.48						
							07/02/13 06:51	07/02/13 07:21		0.50	RF	RF	RF	Store Lost	
							07/02/13 07:21	07/02/13 07:56		0.58	PS	PS	PS	Inhibits Beam to User	P.S.swap
							07/02/13 07:56	07/02/13 08:20		0.40	MOM	MOM	MOM	Inhibits Beam to User	H2O glitch
20	07/02/13 08:20	07/03/13 05:27	21.12	S6A:S1 trip[P.S.]	106029		07/03/13 05:27	07/03/13 07:08	1.68	1.68	PS	PS	PS	Store Lost	
21	07/03/13 07:08	07/04/13 08:00	24.87	Int Dump: End of Period					0.00	0.00					
			179.70						12.30	12.30					
22	07/05/13 08:00	07/09/13 08:00	96.00	Int Dump: End of Period					0.00	0.00					
			96.00						0.00	0.00					
23	07/10/13 08:00	07/12/13 10:39	50.65	S22Vac Valve fault[MOM]	106032		07/12/13 10:39	07/12/13 12:00	1.35	1.35	MOM	MOM	MOM	Store Lost	
24	07/12/13 12:00	07/16/13 08:00	92.00	Int Dump: End of Period					0.00	0.00					
			142.65						1.35	1.35					
25	07/17/13 08:00	07/19/13 12:45	52.75	12BM FE-EPS trip[SI]	106034		07/19/13 12:45	07/19/13 14:29	1.73	1.73	SI	SI	SI	Store Lost	
26	07/19/13 14:29	07/22/13 08:00	65.52	Int Dump: End of Period					0.00	0.00					
			118.27						1.73	1.73					
27	07/24/13 08:00	07/30/13 08:00	144.00	Int Dump: End of Period					0.00	0.00					
			144.00						0.00	0.00					
28	07/31/13 08:00	08/01/13 16:48	32.80	RF3 Mod Anode fault[RF]	106041		08/01/13 16:48	08/01/13 20:46	3.97	3.97	RF	RF	RF	Store Lost	2nd Fault, waveguide switch
30	08/01/13 20:46	08/02/13 04:34	7.80	Com-Ed Power sag [OTH]	106043		08/02/13 04:34	08/02/13 11:07	6.55	6.55	ANL-E	ANL-E	ANL-E	Store Lost	Multiple systems recovered in all machines
31	08/02/13 11:07	08/06/13 08:00	92.88	Int Dump: End of Period					0.00	0.00					
			133.48						10.52	10.52					
32	08/07/13 08:00	08/13/13 08:00	144.00	Int Dump: End of Period					0.00	0.00					
			144.00						0.00	0.00					
33	08/14/13 08:00	08/15/13 10:09	26.15	GESPAC Glitch [PS]	106045		08/15/13 10:09	08/15/13 11:31	1.37	1.37	PS	PS	PS	Store Lost	
34	08/15/13 11:31	08/15/13 16:01	4.50	ACIS IO block failed [SI]	106046		08/15/13 16:01	08/15/13 20:36	4.58						
							08/15/13 16:01	08/15/13 19:42		3.68	SI	SI	SI	Store Lost	
							08/15/13 19:42	08/15/13 20:36		0.90	PS	PS	PS	Inhibits Beam to User	P.S.swap
35	08/15/13 20:36	08/19/13 16:16	91.67	IEX Operations [CTL]	106049		08/19/13 16:16	08/19/13 16:39	0.38	0.38	PS	PS	PS	Store Lost	
36	08/19/13 16:39	08/21/13 08:00	39.35	Int Dump: End of Period					0.00	0.00					
			161.67						6.33	6.33					

Number of Lost Fills 20
 Number of Intentional Dumps 12
 Number of Fills 32

Downtime
 User System
 51.77 51.77

Fill #	Start	End	Length	Loss Reason	DIN #	Audit	Start	End	User Length	System Length	Cause	System	Group	Type	Description	
		Total User Beam	1652.23													
		Total User Downtime	51.77	68.8 User Beam days <-- This downtime includes Gaps Open												
		Total Schedule Run Length	<u>1704</u>													
		Mean Time Between Faults	82.61													
		Faults/Day of Delivered Beam	0.29													
		X-ray Availability	97.0%													