

Downtime for Run 2003-1

Fill #	Start	End	Length	Loss Reason	DIN #	Audit	Start	End	User Length	System Length	Cause	System	Group	Type	Description
1	01/29/03 08:00	01/30/03 07:44	23.73	Correct P0 Err. [CTL]	104396		01/30/03 07:44	01/30/03 08:36	0.87	0.87	CTL	CTL	CTL	Store Lost	Reboots to correct P0 timing error and subsequent related SR kicker problems [CTL]
3	01/30/03 08:36	01/30/03 13:59	5.38	line power bump [OTHER]			01/30/03 13:59	01/30/03 16:03	2.07						
					104397		01/30/03 13:59	01/30/03 14:48	0.82	0.82	Other	Other	Other	Store Lost	Recovery from SR dropping to NSV caused by ComEd power bumps [Other]
					104397		01/30/03 14:48	01/30/03 15:45	0.95	0.95	Physics	Physics	OAG	Inhibits Beam to User	Injector recovery [OAG]
					104397		01/30/03 15:45	01/30/03 16:03	0.30	0.30	Other	Other	Other	Inhibits Beam to User	Continuation of recovery from original fault [Other]
4	01/30/03 16:03	02/02/03 02:28	58.42	18ID Rad. Mon. Trip [HP]			02/02/03 02:28	02/02/03 05:56	3.47						
					104398		02/02/03 02:28	02/02/03 04:19	1.85	1.85	HP/Inlk	Intlk/Rad	HP	Store Lost	18ID Rad Monitor failure and swap-out [HP]
					104398		02/02/03 04:19	02/02/03 04:53	0.57	0.57	RF	RF	RF	Inhibits Beam to User	RF Rad monitor #4 Circulator fault [RF]
					104398		02/02/03 04:53	02/02/03 05:45	0.87	0.87	HP/Inlk	Intlk/Rad		Inhibits Beam to User	Continuation of recovery from original fault and beam retained less than 1 hour [HP]
					104399		02/02/03 05:45	02/02/03 05:56	0.18	0.18	Unknown	Unidentified	Unknown	Inhibits Beam to User	Unknown beam motion [Unknown]
11	02/02/03 05:56	02/03/03 15:59	34.05	Int Dump: End of Period			02/03/03 15:59	02/03/03 15:59	0.00	0.00	Scheduled	Scheduled		Int. Dump	
			121.58						6.40	6.40					
					104401		02/04/03 08:00	02/04/03 08:11	0.18	0.18	DIAG	DIAG	DIAG	Inhibits Beam to User	RTFB error [DIA]
15	02/04/03 08:11	02/07/03 08:33	72.37	SR RF-4 Vac. Trip [RF]	104403		02/07/03 08:33	02/07/03 09:17	0.73	0.73	RF	RF	RF	Store Lost	RF4 S40, Cavity 3 & 4, Ion Gauge Fault and Ion Pump Fault [RF]
16	02/07/03 09:17	02/07/03 16:19	7.03	SR RF-4 LLRF trip [RF]			02/07/03 16:19	02/07/03 18:08	1.82						
					104404		02/07/03 16:19	02/07/03 16:41		0.37	RF	RF	RF	Store Lost	RF4 LLRF detector fault [RF]
							02/07/03 16:41	02/07/03 17:25	0.73	0.73	RF	RF	RF	Inhibits Beam to User	Beam retained for less than one hour [RF]
					104404		02/07/03 17:25	02/07/03 18:08	0.72	0.72	RF	RF	RF	Inhibits Beam to User	Beam instability due to a required RF gap voltage adjustment [RF]
18	02/07/03 18:08	02/09/03 13:36	43.47	SR RF-4 Vac. Trip [RF]	104406		02/09/03 13:36	02/09/03 13:54	0.30	0.30	RF	RF	RF	Store Lost	SR RF-4 power monitor trip [RF]
20	02/09/03 13:54	02/10/03 08:00	18.10	Int Dump: End of Period					0.00	0.00	Scheduled	Scheduled		Int. Dump	
			140.97						3.03	3.03					
23	02/12/03 08:00	02/15/03 11:09	75.15	1-ID BPLD trip [DIAG]	104412		02/15/03 11:09	02/15/03 11:51	0.70	0.70	DIAG	DIAG	DIAG	Store Lost	1-ID BPLD trip [DIAG]
26	02/15/03 11:51	02/15/03 14:26	2.58	1-ID BPLD trip [DIAG]			02/15/03 14:26	02/15/03 16:28	2.03						
					104414		02/15/03 14:26	02/15/03 14:49		0.38	DIAG	DIAG	DIAG	Store Lost	1-ID BPLD trip [DIAG]
							02/15/03 14:49	02/15/03 15:44	0.92	0.92	DIAG	DIAG	DIAG	Inhibits Beam to User	Beam retained less than one hour [DIA]
					104415		02/15/03 15:44	02/15/03 16:28	0.73	0.73	RF	RF	RF	Inhibits Beam to User	SR RF-2 power monitor tripped on S37 #1 ion gauge and ion pump [RF]
28	02/15/03 16:28	02/15/03 18:14	1.77	SR RF-4 trip [RF]	104416		02/15/03 18:14	02/15/03 20:04	1.83	1.83	RF	RF	RF	Store Lost	SR RF-4 power monitor trip; waveguide switch [RF]
30	02/15/03 20:04	02/18/03 08:00	59.93	Int Dump: End of Period					0.00	0.00	Scheduled	Scheduled		Int. Dump	
			139.43						4.57	4.57					
31	02/18/03 16:00	02/19/03 02:52	10.87	S9B:Q2:PS trip [ES]	104422		02/19/03 02:52	02/19/03 04:06	1.23	1.23	ES/PS	PS	ES	Store Lost	S9B:Q2 converter swapping, conditioning and refill [ES]
32	02/19/03 04:06	02/20/03 05:39	25.55	SR RF-2 trip [RF]	104424		02/20/03 05:39	02/20/03 05:53	0.23	0.23	RF	RF	RF	Store Lost	SR RF-2 crowbar [RF]
33	02/20/03 05:53	02/22/03 17:20	59.45	SR RF-2 trip [RF]	104426		02/22/03 17:20	02/22/03 17:57	0.62	0.62	RF	RF	RF	Store Lost	Two SR RF-2 crowbar trips [RF]
35	02/22/03 17:57	02/24/03 00:21	30.40	SR RF-2 trip [RF]	104428		02/24/03 00:21	02/24/03 00:35	0.23	0.23	RF	RF	RF	Store Lost	SR RF-4 tripped on S40 Cavity #3 Ion Gauge and Ion Pump faults [RF]
36	02/24/03 00:35	02/24/03 08:00	7.42	Int Dump: End of Period					0.00	0.00	Scheduled	Scheduled		Int. Dump	
			133.68						2.32	2.32					
38	02/26/03 08:00	02/26/03 09:50	1.83	RF3 loss due to RF2 [RF]			02/26/03 09:50	02/26/03 11:06	1.27						
					104429		02/26/03 09:50	02/26/03 10:22		0.53	RF	RF	RF	Store Lost	First RF3 trip while work being performed on RF2 [RF]
							02/26/03 10:22	02/26/03 10:55	0.55	0.55	RF	RF	RF	Inhibits Beam to User	Beam retained for less than one hour [RF]
					104430		02/26/03 10:55	02/26/03 11:06	0.18	0.18	RF	RF	RF	Inhibits Beam to User	Second RF3 trip while work being performed on RF2 [RF]
40	02/26/03 11:06	02/26/03 16:48	5.70	IOCRFTIME problem [CTL]	104431		02/26/03 16:48	02/26/03 17:41	0.88	0.88	CTL	CTL	CTL	Store Lost	Lost beam during eplacement of the processor at IOCRFTIME1 [CTL]
41	02/26/03 17:41	02/26/03 23:50	6.15	IOCRFTIME problem [CTL]	104432		02/26/03 23:50	02/27/03 00:06	0.27	0.27	CTL	CTL	CTL	Store Lost	Dumped stored beam and retime P0 due to the IOCRFTIME1 problems [CTL]
42	02/27/03 00:06	02/28/03 17:27	41.35	RF3 loss due to RF2 [RF]	104433		02/28/03 17:27	02/28/03 17:52	0.42	0.42	RF	RF	RF	Store Lost	RF3 trip while work being performed on RF2 [RF]
43	02/28/03 17:52	03/01/03 12:17	18.42	Rad.mon.trip @inj. [OPS]	104435		03/01/03 12:17	03/01/03 12:38	0.35	0.35	OPS	OPS	OPS	Store Lost	Rad.mon.trip during injection [OPS]
45	03/01/03 12:38	03/01/03 18:54	6.27	22ID BPLD trip [UKN]			03/01/03 18:54	03/01/03 19:56	1.03						
					104437		03/01/03 18:54	03/01/03 19:08		0.23	Unknown	Unidentified	Unknown	Store Lost	Unknown beam motion [Unknown]
							03/01/03 19:08	03/01/03 19:45	0.62	0.62	Unknown	Unidentified	Unknown	Inhibits Beam to User	Beam retained for less than one hour [Unknown]
					104438		03/01/03 19:45	03/01/03 19:56	0.18	0.18	Unknown	Unidentified	Unknown	Inhibits Beam to User	Unknown beam motion [Unknown]
48	03/01/03 19:56	03/03/03 09:18	37.37	RF3 HVPS trip [RF]	104439		03/03/03 09:18	03/03/03 09:32	0.23	0.23	RF	RF	RF	Store Lost	RF3 Cathode IO trip [RF]
49	03/03/03 09:32	03/03/03 16:00	6.47	Int Dump: End of Period			03/03/03 16:00	03/03/03 16:00	0.00	0.00	Scheduled	Scheduled		Int. Dump	
			123.55						4.45	4.45					

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50	03/04/03 08:00	03/06/03 11:22	51.37	Power bump [OTHER]			03/06/03 11:22	03/06/03 12:22	1.00						
					104441		03/06/03 11:22	03/06/03 11:22		0.00	OTHER	OTHER	OTHER	Store Lost	Site Wide power drop [OTHER]
					104441		03/06/03 11:22	03/06/03 11:30		0.13	DIAG	DIAG	DIAG	Inhibits Beam to User	BESOCM Trigger Chassis problems [DIAG]
					104441		03/06/03 11:30	03/06/03 11:59		0.48	OTHER	OTHER	OTHER	Inhibits Beam to User	Continuation of original downtime [OTHER]
					104441		03/06/03 11:59	03/06/03 12:13		0.23	OPS	OPS	OPS	Inhibits Beam to User	Injector tuneup [OPS]
					104441		03/06/03 12:13	03/06/03 12:22		0.15	OTHER	OTHER	OTHER	Inhibits Beam to User	Continuation of original downtime [OTHER]
55	03/06/03 12:22	03/07/03 07:44	19.37	Bunch purity [OPS]	104443		03/07/03 07:44	03/07/03 07:55	0.18	0.18	OPS	OPS	OPS	Store Lost	Timing incorrect at injection [OPS]
57	03/07/03 07:55	03/10/03 01:28	65.55	S32B:Q5 converter [ES]	104444		03/10/03 01:28	03/10/03 05:02	3.57	3.57	ES/PS	PS	ES	Store Lost	Converter Swapout and backflush of replacement [ES]
63	03/10/03 05:02	03/10/03 07:59	2.95	Int Dump: End of Period			03/10/03 07:59	03/10/03 07:59	0.00	0.00	Scheduled	Scheduled		Int. Dump	
			139.23						4.75	4.75					
64	03/12/03 08:00	03/12/03 15:54	7.90	VacValve VM-39-VV02[CTL]	104447		03/12/03 15:54	03/12/03 16:09	0.25	0.25	CTL	CTL	CTL	Store Lost	Vacuum valve VM-39-VV02 closed [CTL]
65	03/12/03 16:09	03/17/03 01:25	105.27	S33B:V1 problem [ES]	104450		03/17/03 01:25	03/17/03 03:40	2.25	2.25	ES/PS	PS	ES	Store Lost	S33B:V1 problem [ES]
67	03/17/03 03:40	03/18/03 07:59	28.32	Int Dump: End of Period			03/18/03 07:59	03/18/03 07:59	0.00	0.00	Scheduled	Scheduled		Int. Dump	
			141.48						2.50	2.50					
68	03/18/03 16:00	03/20/03 10:06	42.10	RF4 Power loss [RF]	104454		03/20/03 10:06	03/20/03 10:23	0.28	0.28	RF	RF	RF	Store Lost	RF4 Power Loss [RF]
69	03/20/03 10:23	03/21/03 12:26	26.05	2ID PSS trip [ES]	104456		03/21/03 12:26	03/21/03 13:02	0.60	0.60	ES/Intlk	Intlk/Beamline	ES	Store Lost	2ID UPS problem linked to PSS trip [ES/Intlk]
70	03/21/03 13:02	03/22/03 04:07	15.08	RF4 cav. Vac. Flt [RF]	104457		03/22/03 04:07	03/22/03 04:18	0.18	0.18	RF	RF	RF	Store Lost	sector 40 ion gauge fault [RF]
71	03/22/03 04:18	03/24/03 07:59	51.68	Int Dump: End of Period			03/24/03 07:59	03/24/03 07:59	0.00	0.00	Scheduled			Int. Dump	
			134.92						1.07	1.07					
72	03/26/03 08:00	03/26/03 21:22	13.37	S15B:MT trip [ES]	104460		03/26/03 21:22	03/26/03 22:33	1.18	1.18	ES/PS	PS	ES	Store Lost	S15B:MT trip; Converter Swapout and refill [ES]
73	03/26/03 22:33	03/29/03 09:50	59.28	VacValve VM-39-VV01 [CTL]	104461		03/29/03 09:50	03/29/03 10:13	0.38	0.38	CTL	CTL	CTL	Store Lost	Vacuum valve VM-39-VV01 closed [CTL]
74	03/29/03 10:13	04/01/03 04:25	66.20	S15B:MT trip [ES]	104466		04/01/03 04:25	04/01/03 04:42	0.28	0.28	HP/Inlk	Intlk/Rad	HP	Store Lost	Spurious RadMon trip at 10-ID [HP]
76	04/01/03 04:42	04/01/03 08:00	3.30	Int Dump: End of Period			04/01/03 08:00	04/01/03 08:00	0.00	0.00	Scheduled			Int. Dump	
			142.15						1.85	1.85					
							04/01/03 16:00	04/01/03 18:23	2.38						
					104467		04/01/03 16:00	04/01/03 16:55		0.92	CTL	CTL	CTL	Inhibits Beam to User	Communication with IOCRFTIME was lost [CTL]
					104467		04/01/03 16:00	04/01/03 16:40		0.67	RF	RF	RF	Inhibits Beam to User	Problem with running SR RF-3 as Booster; IOCSRMON rebooted to install software [R
					104467		04/01/03 16:00	04/01/03 17:50		1.83	RF	RF	RF	Inhibits Beam to User	The software problem was preventing the use of RF2's AGC controls [RF]
					104467		04/01/03 17:50	04/01/03 18:23		0.55	RF	RF	RF	Inhibits Beam to User	Continue recovery after waveguide switch which was caused by the BBRF-5 failure [R
77	04/01/03 18:23	04/02/03 16:38	22.25	S40 Cav. Vac. Trip [RF]			04/02/03 16:38	04/02/03 17:20	0.70						
					104469		04/02/03 16:38	04/02/03 17:03		0.42	RF	RF	RF	Store Lost	S40 Cav. Vac. Trip [RF]
					104469		04/02/03 17:03	04/02/03 17:17		0.23	DIAG	DIAG	DIAG	Inhibits Beam to User	SR X Orbit Controllaw problem due to S16B:P4 BPM error [DIAG]
					104469		04/02/03 17:17	04/02/03 17:20		0.05	RF	RF	RF	Inhibits Beam to User	Continuation of original downtime [RF]
78	04/02/03 17:20	04/03/03 09:04	15.73	SR RF-4 lost power [RF]	104473		04/03/03 09:04	04/03/03 09:17	0.22	0.22	RF	RF	RF	Store Lost	Stored beam lost; first latched fault was RF4 LLRF trip [RF]
80	04/03/03 09:17	04/05/03 16:13	54.93	5-ID Rad. Mon. failure [HP]	104474		04/05/03 16:13	04/05/03 17:18	1.08	1.08	HP/Inlk	Intlk/Rad	HP	Store Lost	5-ID Rad. Mon. failure & swapout [HP]
81	04/05/03 17:18	04/06/03 14:02	19.73	Rad. Mon. trip & refill [OPS]	104476		04/06/03 14:02	04/06/03 14:34	0.53	0.53	OPS	OPS	OPS	Store Lost	3-ID Rad. Mon. tripped during a Fill-on-Fill [OPS]
83	04/06/03 14:34	04/07/03 08:00	17.43	Int Dump: End of Period			04/07/03 08:00	04/07/03 08:00	0.00	0.00	Scheduled			Int. Dump	
			130.08						4.92	6.50					
86	04/09/03 08:00	04/09/03 11:33	3.55	15-ID PSS fault [ES]			04/09/03 11:33	04/09/03 12:40	1.12						
							04/09/03 11:33	04/09/03 11:42		0.15	ES/Intlk	Intlk/Beamline	ES	Store Lost	PSS trip at 15-ID [ES/INTLTK]
							04/09/03 11:42	04/09/03 12:19		0.62	OPS	OPS	OPS	Inhibits Beam to User	Investigation [OPS]
							04/09/03 12:19	04/09/03 12:40		0.35	ES/Intlk	Intlk/Beamline	ES	Inhibits Beam to User	Continuation of original trip
87	04/09/03 12:40	04/13/03 09:30	92.83	10ID Rad.Mon. Err. [HP]	104481		04/13/03 09:30	04/13/03 09:47	0.28	0.28	HP/Inlk	Intlk/Rad	HP	Store Lost	10ID Rad.Mon. Glitch [HP]
88	04/13/03 09:47	04/14/03 16:00	30.22	Int Dump: End of Period			04/14/03 16:00	04/14/03 16:00	0.00	0.00	Scheduled			Int. Dump	
			126.60						1.40	1.40					

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89	04/15/03 08:01	04/15/03 15:40	7.65	iocs31bpm reboot [DIAG]	104487		04/15/03 15:40	04/15/03 16:11	0.52	0.52	DIAG	DIAG	DIAG	Store Lost	Power cycling IOCs resulted in beam dump [DIAN]
90	04/15/03 16:11	04/15/03 18:02	1.85	2ID BPLD fault [DIAG]			04/15/03 18:02	04/15/03 18:54	0.87						
					10448		04/15/03 18:02	04/15/03 18:24		0.37	DIAG	DIAG	DIAG	Store Lost	2ID BPLD fault [DIAG]
					10449		04/15/03 18:24	04/15/03 18:54		0.50	OPS	OPS	OPS	Inhibits Beam to User	Lost beam while ramping Steering P.S. and BPMs to UBOP [OPS]
91	04/15/03 18:54	04/16/03 08:31	13.62	ACIS relay fault [ES]	104490		04/16/03 08:31	04/16/03 09:43	1.20	1.20	ES/Intlk	Intlk/Accelerator	ES	Store Lost	BSS Relay Replacement and recovery from tripped ACIS controlled equip.[ES/Intlk]
93	04/16/03 09:43	04/16/03 17:57	8.23	2ID BPLD fault [DIAG]	104491		04/16/03 17:57	04/16/03 18:38	0.68	0.68	DIAG	DIAG	DIAG	Store Lost	2ID BPLD fault [DIAG]
94	04/16/03 18:38	04/17/03 11:58	17.33	2ID BPLD fault [DIAG]	104492		04/17/03 11:58	04/17/03 12:26	0.47	0.47	DIAG	DIAG	DIAG	Store Lost	2ID BPLD fault [DIAG]
96	04/17/03 12:26	04/17/03 21:23	8.95	2ID BPLD fault [DIAG]	104494		04/17/03 21:23	04/18/03 01:32	4.15	4.15	DIAG	DIAG	DIAG	Store Lost	Swapout of 2ID BPLD module, BPLD validation [DIAG]
	04/18/03 01:32	04/18/03 13:00	11.47	Gaps opened [OAG]	104495		04/18/03 13:00	04/18/03 13:19	0.32	0.32	OAG/Software	Software	OAG	Inhibits Beam to User	Opened gaps to fix error in cogging program
98	04/18/03 13:19	04/20/03 05:27	40.13	S36AQ5 failure [ES]	104496		04/20/03 05:27	04/20/03 06:58	1.52	1.52	ES/PS	PS	ES	Store Lost	S36AQ5 failure and swap-out[ES]
103	04/20/03 06:58	04/20/03 21:46	14.80	2ID BPLD fault [DIAG]			04/20/03 21:46	04/20/03 22:16		0.50	DIAG	DIAG	DIAG	Store Lost	2ID BPLD fault [DIAG]
							04/20/03 22:16	04/20/03 22:56		0.67	RF	RF	RF	Inhibits Beam to User	Replacement of RF5 SCR flow meter
105	04/20/03 22:56	04/20/03 23:59	1.05	Int Dump: End of Period			04/20/03 23:59	04/20/03 23:59	0.00	0.00	Scheduled			Int. Dump	
			125.08						10.88	10.88					