

Downtime for Run 2001-1 (Ops Group End Of Run Analysis)

Fill #	Start	End	Length	Loss Reason	Delay Reason	DIN #	Fill #	Audit	Machine	Start	End	User Length	System Length	No Impact	Cause	Type	Description
1	01/17/01 08:00	01/17/01 08:38	0.63	PS communication [DIA]	refill			Y		01/17/01 08:38	01/17/01 08:57	0.32	0.32		DIA	Store Lost	S13A:V3 & S14A:V3 PS communication [DIA]
2	01/17/01 08:57	01/17/01 19:59	11.03	top-up monitor [DIA]	refill			Y		01/17/01 19:59	01/17/01 20:05	0.10	0.10		DIA	Store Lost	S36 TopUp monitor was reading zero [DIA]
3	01/17/01 20:05	01/18/01 06:02	9.95	rf2 s37 cav2 IG fit [RF]	refill			Y		01/18/01 06:02	01/18/01 06:32	0.50	0.50		RF	Store Lost	rf2 s37 cav2 IG fit [RF]
4	01/18/01 06:32	01/18/01 09:19	2.78	beam motion rtfb [DIA]	refill			Y		01/18/01 09:19	01/18/01 09:47	0.47	0.47		DIA	Store Lost	beam motion RTFb [DIA]
								Y		01/18/01 09:20	01/18/01 09:37	0.00	0.28		BL	Inhibits beam to user	Gap at ID-04 did not open [BL]
5	01/18/01 09:47	01/18/01 19:44	9.95	Dump for P0 Error [CTL]	refill			Y		01/18/01 19:44	01/18/01 20:14	0.50	0.50		CTL	Store Lost	Dump for P0 Error [CTL]
								Y		01/18/01 20:14	01/18/01 21:41	1.45	1.45		RF	Inhibits beam to user	rf2 s37 cav2 IG fit [RF]
6	01/18/01 21:41	01/19/01 14:14	16.55	S5BQ3 trip [PS]	refill			Y		01/19/01 14:14	01/19/01 14:46	0.53	0.53		PS	Store Lost	S5BQ3 trip [PS]
8	01/19/01 14:46	01/20/01 07:47	17.02	rf4, s40 IG fit [RF]	refill			Y		01/20/01 07:47	01/20/01 08:05	0.30	0.30		RF	Store Lost	rf4, s40 IG fit [RF]
10	01/20/01 08:05	01/21/01 01:52	17.78	S24,25 Raw Trans OT [PS]	refill			Y		01/21/01 01:52	01/21/01 02:13	0.35	0.35		PS	Store Lost	S24,25 Raw Trans OT [PS]
12	01/21/01 02:13	01/22/01 01:49	23.60	S24,25 Raw Trans OT [PS]	refill			Y		01/22/01 01:49	01/22/01 02:21	0.53	0.53		PS	Store Lost	S24,25 Raw Trans OT [PS]
15	01/22/01 02:21	01/22/01 19:56	17.58	rad.mon. trip [OPS]	refill			Y		01/22/01 19:56	01/22/01 20:26	0.50	0.50		OPS	Store Lost	rad.mon. trip during injection[OPS]
17	01/22/01 20:26	01/22/01 23:40	3.23	Vac. Valve close [CTL]	refill			Y		01/22/01 23:40	01/23/01 00:01	0.35	0.35		CTL	Store Lost	Vac. Valve VM-20-VV02 close [CTL]
18	01/23/01 00:01	01/23/01 08:00	7.98	Int Dump				Y									
			138.10					Y				5.90					
								Y		01/23/01 16:00	01/23/01 16:48	0.80	0.80		BL	Inhibits beam to user	MPS 6-ID BPLD trip [BO]
								Y		01/23/01 16:48	01/23/01 18:46	1.97	1.97		ISI	Inhibits beam to user	SR & Booster tripped to Controlled Access (someone opened shutter on ID-19) [ISI]
22	01/23/01 18:46	01/25/01 07:44	36.97	BPLD repairs [DIA]	refill			Y		01/25/01 07:44	01/25/01 10:34	1.50	2.83		DIA	Store Lost	Cable replacement for 6-ID BPLD [DIA]
								Y		01/25/01 08:09	01/25/01 09:03	0.90	0.90		RF	Inhibits beam to user	"Middle corridor" RF trip [RF]
								Y		01/25/01 09:11	01/25/01 09:37	0.43	0.43		PS	Inhibits beam to user	B:ES1 PS trip and recovery [PS]
25	01/25/01 10:34	01/26/01 19:54	33.33	S40 IG fault [RF]	refill			Y		01/26/01 19:54	01/26/01 20:09	0.25	0.25		RF	Store Lost	S40 IG fault [RF]
28	01/26/01 20:09	01/27/01 06:21	10.20	S27B:Q5 trip [PS]	refill			Y		01/27/01 06:21	01/27/01 07:22	1.02	1.02		PS	Store Lost	S27B:Q5 trip [PS]
29	01/27/01 07:22	01/27/01 22:53	15.52	33BM EPS trip [BO]	refill			Y		01/27/01 22:53	01/27/01 23:22	0.48	0.48		BL	Store Lost	33BM EPS trip [BO]
30	01/27/01 23:22	01/28/01 00:29	1.12	33BM EPS trip [BO]	refill			Y		01/28/01 00:29	01/28/01 00:54	0.42	0.42		BL	Store Lost	33BM EPS trip [BO]
31	01/28/01 00:54	01/28/01 03:16	2.37	33BM EPS trip [BO]	refill			Y		01/28/01 03:16	01/28/01 04:08	0.87	0.87		BL	Store Lost	33BM EPS trip [BO]
32	01/28/01 04:08	01/28/01 13:34	9.43	33BM EPS trip [BO]	refill			Y		01/28/01 13:34	01/28/01 16:02	2.47	2.47		BL	Store Lost	33BM EPS trip [BO]
33	01/28/01 16:02	01/28/01 22:08	6.10	S37 IG fault [RF]	refill			Y		01/28/01 22:08	01/29/01 00:45	2.62	2.62		RF	Store Lost	S37 IG fault [RF]
34	01/29/01 00:45	01/29/01 08:00	7.25	Int Dump				Y									
			122.28					Y				13.71					
35	01/31/01 08:00	01/31/01 09:44	1.73	1 ID Vac Outgas [BO]	refill			Y		01/31/01 09:44	01/31/01 10:49	1.08	1.08		BL	Store Lost	1 ID Vac Outgas [BO]
36	01/31/01 10:49	01/31/01 20:21	9.53	SRRF 4 trip [RF]	refill			Y		01/31/01 20:21	01/31/01 20:43	0.37	0.37		RF	Store Lost	SRRF 4 trip [RF]
38	01/31/01 20:43	01/31/01 21:53	1.17	unknown beam loss [UNK]	refill			Y		01/31/01 21:53	01/31/01 22:11	0.30	0.30		UNIDENT	Store Lost	unknown beam loss [UNK]
39	01/31/01 22:11	02/05/01 11:11	109.00	rf3 trip [RF]	refill			Y		02/05/01 11:11	02/05/01 11:34	0.38	0.38		RF	Store Lost	SRF-3 HVPS "Anode OverCurrent" trip [RF]
49	02/05/01 11:34	02/05/01 19:36	8.03	Gate Valve Closing [CTL]	refill			Y		02/05/01 19:36	02/05/01 20:08	0.53	0.53		CTL	Store Lost	Gate Valve VM-16-VV02 Closing [CTL]
50	02/05/01 20:08	02/06/01 08:10	12.03	Int Dump				Y									
			141.50					Y				2.67					
51	02/06/01 16:03	02/09/01 19:49	75.77	S40 cav1 IG fault [RF]	refill			Y		02/09/01 19:49	02/09/01 20:30	0.68	0.68		RF	Store Lost	
59	02/09/01 20:30	02/12/01 07:59	59.48	Int Dump				Y									
			135.25					Y				0.68					
								Y		02/14/01 08:00	02/14/01 08:57	0.95	0.95		BL	Inhibits beam to user	1-ID EPS trip [BO]
65	02/14/01 08:57	02/14/01 13:55	4.97	13ID BPLD trip [UNK]	refill			Y		02/14/01 13:55	02/14/01 14:23	0.47	0.47		UNIDENT	Store Lost	13-ID BPLD trip [UNK]
66	02/14/01 14:23	02/19/01 14:38	120.25	ACIS rack trip [CTL]	refill			Y		02/19/01 14:38	02/19/01 16:13	1.58	1.58		CTL	Store Lost	Bldg 420 RF Test Stand ACIS rack tamper trip [CTL]
77	02/19/01 16:13	02/20/01 08:00	15.78	Int Dump				Y									
			140.99					Y				3.00					
78	02/20/01 15:59	02/21/01 01:15	9.27	Lost IOC comm. [CTL]	refill			Y		02/21/01 01:15	02/21/01 01:40	0.42	0.42		CTL	Store Lost	Lost iocs13vp IOC comm. [CTL]
80	02/21/01 01:40	02/24/01 08:29	78.82	RF4 IG fault [RF]	refill			Y		02/24/01 08:29	02/24/01 08:55	0.43	0.43		RF	Store Lost	S38 Cav 3&4 IG Filament fault [RF4]
88	02/24/01 08:55	02/24/01 19:48	10.88	S32B:Q2 curr loss [PS]	refill			Y		02/24/01 19:48	02/24/01 20:44	0.93	0.93		PS	Store Lost	S32B:Q2 curr loss [PS]
90	02/24/01 20:44	02/26/01 07:59	35.25	Int Dump				Y									
			134.21					Y				1.78					
93	02/28/01 08:00	03/01/01 07:47	23.78	P0 timing fault [CTL]	refill			Y		03/01/01 07:47	03/01/01 08:28	0.68	0.68		CTL	Store Lost	P0 timing fault [CTL]
95	03/01/01 08:28	03/02/01 00:23	15.92	S21A:Q2 lost current rbk [PS]	refill			Y		03/02/01 00:23	03/02/01 00:55	0.53	0.53		PS	Store Lost	S21A:Q2 lost current rbk [PS]
								Y		03/02/01 00:39	03/02/01 00:55	0.00	0.27		BL	Inhibits beam to user	ID-34 gap [BO]
								Y		03/02/01 00:55	03/02/01 01:11	0.27	0.27		RF	Inhibits beam to user	RF-4 trip [RF]
97	03/02/01 01:11	03/02/01 19:44	18.55	P0 timing fault [CTL]	refill			Y		03/02/01 19:44	03/02/01 20:02	0.30	0.30		CTL	Store Lost	P0 timing fault [CTL]
99	03/02/01 20:02	03/03/01 07:47	11.75	SRF-4 pwr mon [RF]	refill			Y		03/03/01 07:47	03/03/01 08:07	0.33	0.33		RF	Store Lost	SRF-4 pwr mon [RF]
100	03/03/01 08:07	03/03/01 17:41	9.57	ioerf4hvps [RF]	refill			Y		03/03/01 17:41	03/03/01 18:51	1.17	1.17		RF	Store Lost	RF-4 VXI card problem caused reboot fault [RF]
								Y		03/03/01 18:51	03/03/01 19:35	0.73	0.73		CTL	Inhibits beam to user	RF4 control loops related downtime [CTL]

101	03/03/01 19:35	03/04/01 17:28	21.88	S25A:Q3 failure [PS]	refill		Y		03/04/01 17:28	03/04/01 18:56	1.47	1.47		PS	Store Lost	S25A:Q3 PS [PS]
103	03/04/01 18:56	03/05/01 09:50	14.90	sr rf PSS trip [RF]	refill		Y		03/05/01 09:50	03/05/01 10:25	0.58	0.58		RF	Store Lost	sr rf PSS trip [RF]
105	03/05/01 10:25	03/06/01 08:00	21.58	Int Dump			Y									
			137.93								6.07					
107	03/06/01 16:00	03/06/01 21:41	5.68	RF FB trip [CTL]	refill		Y		03/06/01 21:41	03/06/01 22:19	0.63	0.63		CTL	Store Lost	RT FB trip [CTL]
109	03/06/01 22:19	03/09/01 19:36	69.28	iocrf4hvps reboot [RF]	refill		Y		03/09/01 19:36	03/09/01 19:52	0.27	0.27		RF	Store Lost	RF-4 VXI card problem caused reboot fault [RF]
115	03/09/01 19:52	03/11/01 01:50	29.97	iocsrmon reboot [CTL]	refill		Y		03/11/01 01:50	03/11/01 02:12	0.37	0.37		CTL	Store Lost	iocsrmon reboot [CTL]
118	03/11/01 02:12	03/11/01 19:44	17.53	P0 timing fault [CTL]	refill		Y		03/11/01 19:44	03/11/01 20:00	0.27	0.27		CTL	Store Lost	P0 timing fault [CTL]
120	03/11/01 20:00	03/12/01 07:59	11.98				Y									
			134.43								1.55					
121	03/14/01 08:00	03/15/01 10:11	26.18	RF PSS flt [RF]	refill		Y		03/15/01 10:11	03/15/01 10:39	0.47	0.47		RF	Store Lost	RF PSS flt at circ 1 [RF]
122	03/15/01 10:39	03/17/01 17:25	54.77	RF4 HVPS trip [RF]	refill		Y		03/17/01 17:25	03/17/01 17:49	0.40	0.40		RF	Store Lost	RF4 HVPS trip [RF]
123	03/17/01 17:49	03/18/01 17:00	23.18	ACIS event [RF]	refill		Y		03/18/01 17:00	03/18/01 17:41	0.68	0.68		RF	Store Lost	Late note: it was determined that RF-4 ioc problem caused beam dump [RF]
							Y		03/18/01 17:41	03/18/01 19:59	2.30	2.30		PS	Inhibits beam to user	Boost. ramp problem, S22B:Q2:PS trip, S23A:Q3:PS swap, S22A:S3:PS trip / recov. [RF]
							Y		03/18/01 19:59	03/18/01 20:15	0.27	0.27		OPS	Inhibits beam to user	Our downtime [OPS]
124	03/18/01 20:15	03/20/01 03:25	31.17	RF-4 Kalmus out. problem [RF]	refill		Y		03/20/01 03:25	03/20/01 05:18	1.88	1.88		RF	Store Lost	RF-4 Kalmus output lost; Waveg. Switch; SR RF startup [RF]
							Y		03/20/01 05:18	03/20/01 08:00	1.92	2.70		CTL	Inhibits beam to user	Booster ACIS problem [CTL]
							Y		03/20/01 05:41	03/20/01 07:15	0.80	1.57		PS	Inhibits beam to user	S10B:Q5 trip on UV; swap / recovery [PS]
			135.30								8.70					
							Y				0.15	0.15		OAG	Inhibits beam to user	Problems with startup (SCDU trigger left disabled) [OAG]
125	03/20/01 16:08	03/21/01 02:07	9.98	S19A:Q2 trip (PS)	refill		Y		03/21/01 02:07	03/21/01 03:48	1.68	1.68		PS	Store Lost	PS converter swap; repair [PS]
126	03/21/01 03:48	03/21/01 06:04	2.27	S33&34 ion pump comm [CTL]	refill		Y		03/21/01 06:04	03/21/01 07:03	0.98	0.98		CTL	Store Lost	iocs33vp reboot; beam recovery [CTL]
127	03/21/01 07:03	03/22/01 17:58	34.92	S28A:Q5 [PS]	refill		Y		03/22/01 17:58	03/22/01 19:06	1.13	1.13		PS	Store Lost	S28A:Q5 convertor swap, refill [PS]
129	03/22/01 19:06	03/23/01 06:25	11.32	S33&34 ion pump comm [CTL]	refill		Y		03/23/01 06:25	03/23/01 07:20	0.92	0.92		RF	Store Lost	rf3 klystron air flow [RF]
130	03/23/01 07:20	03/27/01 05:31	94.18	S34:35:R3 trip [ME]	refill		Y		03/27/01 05:31	03/27/01 08:00	2.48	2.48		ME	Store Lost	S34:35:R3 ground flt due to excess current from the trim on the Dip. Magn. in S35B [ME]
			152.67								7.35					
							Y				0.05	0.05		ME	Inhibits beam to user	S34:35:R3 ground flt (delayed start) [ME]
131	03/27/01 16:03	03/28/01 03:16	11.22	Gate Valve closed [CTL]	refill		Y		03/28/01 03:16	03/28/01 04:02	0.77	0.77		CTL	Store Lost	Gate valve VM-06-VV02 closure [CTL]
132	03/28/01 04:02	03/29/01 00:43	20.68	BPLD trip at ID-02 [DIA]	refill		Y		03/29/01 00:43	03/29/01 01:17	0.57	0.57		DIA	Store Lost	BPLD trip at ID-02 [DIA]
133	03/29/01 01:17	04/01/01 00:00	70.72	Int Dump			Y									
			102.62								1.38					