

Downtime for Run 2000-2 (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
												0.12	0.12		OAG	Inhibits beam to user	Delays getting started
1	05/11/00 08:07	05/11/00 15:20	7.22	S16B:V3 glitch [PS]	recovery					05/11/00 15:20	05/11/00 16:27	1.13	1.13		PS	Store Lost	S16B:V3 glitch
2	05/11/00 16:27	05/12/00 04:16	11.82	S22A:V4 jump [PS]	refill					05/12/00 04:16	05/12/00 04:47	0.50	0.50		PS	Store Lost	ID-02 BPLD, S2 BP1 bottom tripped due to S22A:V4 jump
3	05/12/00 04:47	05/12/00 21:15	16.47	S39A:V1 glitch [PS]	refill					05/12/00 21:15	05/12/00 21:42	0.45	0.45		PS	Store Lost	ID-13 BPLD trip due to S39A:V1 glitch
5	05/12/00 21:42	05/13/00 04:42	7.00	S38B:Q4 trip [PS]	refill					05/13/00 04:42	05/13/00 05:26	0.74	0.74		PS	Store Lost	S38B:Q4 lost its current readback
6	05/13/00 05:26	05/13/00 06:37	1.18	S38B:Q4 trip [PS]	recovery, refill					05/13/00 06:37	05/13/00 07:48	1.17	1.17		PS	Store Lost	S38B:Q4 lost its current readback; converter swap-out
7	05/13/00 07:48	05/13/00 10:24	2.60	S36A:V4 glitch [PS]	refill					05/13/00 10:24	05/13/00 10:54	0.50	0.50		PS	Store Lost	ID-34 BPLD trip due to S36A:V4 glitch
10	05/13/00 10:54	05/15/00 07:45	44.85	S40A:Q1 trip [PS]	recovery, refill					05/15/00 07:45	05/15/00 08:38	0.90	0.50		PS	Store Lost	S40A:Q1 lost its current readback
										05/15/00 08:15	05/15/00 08:28		0.22		RF	Inhibits beam to user	SRF-3&4 HVPS's tripped due to beam loss (Top-Up was enabled)
										05/15/00 08:28	05/15/00 08:38				OPS	Inhibits beam to user	Bringing up SRF-3&4
12	05/15/00 08:38	05/15/00 14:29	5.85	Bldg. 450 chilled water [ME]	refill					05/15/00 14:29	05/15/00 15:13	0.74	0.74		Water/ME	Store Lost	Fill lost due to a chilled water problem from Bldg. 450
13	05/15/00 15:13	05/15/00 20:49	5.60	Gate valve closure [CTL]	refill					05/15/00 20:49	05/15/00 21:12	0.38	0.38		CTL	Store Lost	VM-12-VV01 gate valve closed
15	05/15/00 21:12	05/16/00 08:00	10.80	Int Dump: End of Period [OPS]													
			113.38	120.00													
17	05/16/00 16:01	05/17/00 01:46	9.75	SR RF-4 trip [RF]	refill					05/17/00 01:46	05/17/00 02:05	0.31	0.31		RF	Store Lost	SR RF-4 tripped on Circulator Load Arc
18	05/17/00 02:05	05/17/00 03:51	1.77	SR RF-4 trip [RF]	refill					05/17/00 03:51	05/17/00 04:08	0.29	0.29		RF	Store Lost	SR RF-4 tripped on Circulator Load Arc
21	05/17/00 04:08	05/18/00 14:14	34.10	ID-19 PSS trip [ISI]	recovery, refill					05/18/00 14:14	05/18/00 15:25	1.19	1.19		ISI	Store Lost	Human error (ID-19 PSS trip)
23	05/18/00 15:25	05/18/00 23:11	7.77	S3A:Q1 trip [PS]	refill					05/18/00 23:11	05/18/00 23:32	0.36	0.36		PS	Store Lost	S3A:Q1 tripped on IGBT OT
26	05/18/00 23:32	05/20/00 09:32	34.00	SR RF-4 trip [RF]	refill					05/20/00 09:32	05/20/00 10:04	0.52	0.52		RF	Store Lost	SR RF-4 crowbar trip
30	05/20/00 10:04	05/21/00 09:00	22.93	Vert. Beam mot. S29A:V3 [PS]	refill					05/21/00 09:00	05/21/00 09:44	0.74	0.74		PS	Store Lost	ID-13 BPLD trip due to S29A:V3 glitch
33	05/21/00 09:44	05/22/00 08:00	22.27	Int Dump: End of Period [OPS]													
			132.58	136.00													
35	05/24/00 08:01	05/25/00 17:56	33.92	ID-04 EPS trip [ISI]	recovery, refill					05/25/00 17:56	05/25/00 19:37	1.68	1.68		ISI	Store Lost	ID-04 EPS trip FM2/Flow Fault
37	05/25/00 19:37	05/26/00 14:19	18.70	ID-04 EPS trip [BO]	recovery, refill					05/26/00 14:19	05/26/00 14:47	0.46	0.46		BO	Store Lost	ID-04 EPS trip FM2/Flow Fault
										05/26/00 14:47	05/26/00 16:17	1.50	1.50		ISI	Inhibits beam to user	Transducer work for 4-ID
				[CTL]	recovery, refill					05/26/00 17:02	05/26/00 17:55	0.88	0.88		CTL	Inhibits beam to user	Opening all gaps to re-boot IOCS37VP
39	05/26/00 16:17	05/27/00 07:47	15.50	S36&38 Scrapers [DIA]	recovery, refill					05/27/00 07:47	05/27/00 09:03	1.27	1.27		DIA	Store Lost	ID-20 BPLD trip due to wrong S36&38 scrapers position
40	05/27/00 09:03	05/27/00 20:02	10.98	Unknown beam motion [OTH]	refill					05/27/00 20:02	05/27/00 20:25	0.38	0.38		Other	Store Lost	ID-14 BPLD trip
42	05/27/00 20:25	05/28/00 10:03	13.63	S2A:V3; S2A:H3 [PS]	refill					05/28/00 10:03	05/28/00 10:42	0.66	0.66		PS	Store Lost	ID-02 BPLD trip due to S2A:V3 & S2A:H3 glitches
44	05/28/00 10:42	05/28/00 22:59	12.28	PS Glitch [PS]	refill					05/28/00 22:59	05/28/00 23:28	0.48	0.48		PS	Store Lost	S2A:V3 and S2A:H3 power supply glitches
46	05/28/00 23:28	05/29/00 00:03	0.58	PS Glitch [PS]	recovery, refill					05/29/00 00:03	05/29/00 01:07	1.07	1.07		PS	Store Lost	S2A:V3 and S2A:H3 power supply glitches
48	05/29/00 01:07	05/29/00 14:49	13.70	S10 Water [Water]	repair, refill					05/29/00 14:49	05/29/00 16:35	1.78	1.78		Water/ME	Store Lost	S10 End Absorber water flow fault
49	05/29/00 16:35	05/30/00 08:00	15.42	Int Dump: End of Period [OPS]													
			133.84	144.00													
												0.42	0.42		RF	Inhibits beam to user	Linac L2&L4 RF trips
												0.49	0.49		OAG	Inhibits beam to user	Incorrect SR lattice setup
50	05/30/00 16:55	05/31/00 19:47	26.87	PS Trip [PS]	refill					05/31/00 19:47	05/31/00 20:11	0.41	0.41		PS	Store Lost	S40A:S1 PS trip
52	05/31/00 20:11	05/31/00 23:07	2.93	SR RF-1 trip [RF]	refill					05/31/00 23:07	05/31/00 23:38	0.52	0.52		RF	Store Lost	SR RF-1 HVPS trip on Pers. Safety (E2) fault
53	05/31/00 23:38	06/01/00 07:32	7.90	PS Trip [PS]	refill					06/01/00 07:32	06/01/00 07:45	0.22	0.22		PS	Store Lost	S30A:V2 PS lost its setpoint
58	06/01/00 07:45	06/05/00 08:00	96.25	Int Dump: End of Period [OPS]													
			133.95	136.00													
												0.63	0.63		PS	Inhibits beam to user	S9A:H3 converter repair
63	06/07/00 08:39	06/07/00 19:06	10.45	SR RF-3 trip [RF]	refill					06/07/00 19:06	06/07/00 19:36	0.50	0.50		RF	Store Lost	SR RF-3 trip on anode OI adjust
					recovery					06/07/00 19:36	06/07/00 20:23	0.77	0.77		Physics	Inhibits beam to user	Tuning up the Linac after PC-gun studies
64	06/07/00 20:23	06/08/00 11:06	14.72	PS Fluctuation [PS]	refill					06/08/00 11:06	06/08/00 11:20	0.23	0.23		PS	Store Lost	SR beam loss' signature fits of a Quad problem
										06/08/00 11:20	06/08/00 11:40	0.34	0.34		Other	Inhibits beam to user	Booster not ready to inject; tuning
										06/08/00 11:40	06/08/00 11:46	0.09	0.09		RF	Inhibits beam to user	B:RF-5 tripped - injection delayed
										06/08/00 11:46	06/08/00 11:59	0.22	0.22		PS	Inhibits beam to user	
66	06/08/00 11:59	06/08/00 17:13	5.23	P0 timing; SRF-4 trip [RF]	refill					06/08/00 17:13	06/08/00 18:02	0.84	0.84		RF	Store Lost	SRF-4 collector power interlock trip; P0 timing problem
68	06/08/00 18:02	06/10/00 09:06	39.07	SRF-4 Mod Anode trip [RF]	refill					06/10/00 09:06	06/10/00 09:48	0.70	0.70		RF	Store Lost	SRF-4 Mod Anode trip
72	06/10/00 09:48	06/11/00 15:25	29.62	S31B:V3 drift [PS]						06/11/00 15:25	06/11/00 15:55	0.49	0.49		PS	Store Lost	S31B:V3 drift caused beam loss
										06/11/00 15:55	06/11/00 17:48	1.89	1.89		RF	Inhibits beam to user	SRF-3&4 trips; rf waveguide switch
75	06/11/00 17:49	06/13/00 08:00	38.18	Int Dump: End of Period [OPS]													
			137.27	144.00													
78	06/13/00 16:00	06/14/00 18:50	26.83	PS Trip [PS]	refill					06/14/00 18:50	06/14/00 19:20	0.50	0.50		PS	Store Lost	S30A:V2 PS drift
										06/14/00 19:20	06/14/00 19:47	0.46	0.46		Physics	Inhibits beam to user	Tuning up the Linac after PC-gun studies
80	06/14/00 19:47	06/15/00 09:28	13.68	rack wrk lost power [ISI]	refill					06/15/00 09:28	06/15/00 10:30	1.05	1.05		ISI	Store Lost	Rack was inadvertently powered down

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