

Downtime for Run 1999-5

Fill #	Start	End	Length	Loss Reason	Delay Reason	DIN #	Fill #	Audit	Machine	Start	End	User Length	System Length	No Impact	Cause	Type	Description
1	11/04/99 08:00	11/04/99 17:00	9.00	Gaps opened			1			11/04/99 17:00	11/04/99 17:43	0.72	0.72		CTL	Inhibits beam to users	
1.1	11/04/99 17:43	11/04/99 20:43	3.00	Gaps opened			1.1			11/04/99 20:43	11/04/99 21:03	0.33	0.33		CTL	Inhibits beam to users	
1.2	11/04/99 21:03	11/04/99 22:27	1.40	Raw PS trips [PS]	Recovery fro		1.2	Y		11/04/99 22:27	11/04/99 22:51	1.03	0.40		Other	Store Lost	Raw PS trips [PS]
1.3							1.3	Y		11/04/99 22:51	11/04/99 23:29		0.63		Other	Inhibits beam to users	Unknown beam motion caused a 9ID BPLD trip after re-injection
4	11/04/99 23:29	11/05/99 17:28	17.98	Bpm fdbk prblm [DIA]	recovery, mo		4	Y		11/05/99 17:28	11/05/99 17:54	0.43	0.43		DIA	Store Lost	Bpm fdbk prblm [DIA]
6	11/05/99 17:54	11/07/99 19:47	49.88	ACIS dropped SR,Boo[CTL]	recovery, ana		6	Y		11/07/99 19:47	11/07/99 23:23	3.60	3.60		CTL	Store Lost	ACIS dropped SR,Boo[CTL]
9	11/07/99 23:23	11/08/99 06:22	6.98	fdbk IOC problem [CTL]	recovery		9	Y		11/08/99 06:22	11/08/99 06:42	0.33	0.33		CTL	Store Lost	fdbk IOC problem [CTL]
10	11/08/99 06:42	11/08/99 09:48	3.10	beam motion [OTH]	restoring lina		10	Y		11/08/99 09:48	11/08/99 10:40	1.10	0.87		4GL	Inhibits beam to users	Linac studies required transition to injection mode before reinjection could occur
10.1								Y		11/08/99 10:40	11/08/99 10:54		0.23		Other	Store Lost	beam motion [OTH]
12	11/08/99 10:54	11/09/99 08:00	21.10	Int Dump: End of Period			12	Y		11/09/99 08:00					Intentional	End of Period	Int Dump: End of Period
			112.45	120.00													
13	11/09/99 16:00	11/09/99 19:45	3.75	MPS lost heartbeat [DIA]	recovery		13	Y		11/09/99 19:45	11/09/99 19:59	0.23	0.23		DIA	Store Lost	MPS lost heartbeat [DIA]
14	11/09/99 19:59	11/09/99 23:05	3.10	S22B:V2 glitch [PS]	return of linac		14	Y		11/09/99 23:05	11/09/99 23:20	0.63	0.25		PS	Store Lost	S22B:V2 glitch [PS]
14.1								Y		11/09/99 23:20	11/09/99 23:43		0.38		4GL	Inhibits beam to users	Switchover from Injector studies to Injection mode
15	11/09/99 23:43	11/10/99 14:34	14.85	S13B:Q4 trip [PS]	converter sw		15	Y		11/10/99 14:34	11/10/99 16:19	1.75	1.75		PS	Store Lost	S13B:Q4 trip - converter was swapped out
17	11/10/99 16:19	11/11/99 00:09	7.83	S22B:V2 glitch [PS]	return of linac		17	Y		11/11/99 00:09	11/11/99 00:24	0.68	0.25		PS	Store Lost	S22B:V2 glitch [PS]
17.1								Y		11/11/99 00:24	11/11/99 00:50		0.43		4GL	Inhibits beam to users	Switchover from Injector studies to Injection mode
19	11/11/99 00:50	11/11/99 19:46	18.93	rad mon trip [OTH]	recovery		19	Y		11/11/99 19:46	11/11/99 20:06	0.33	0.33		Other	Store Lost	rad mon trip [OTH]
20	11/11/99 20:06	11/11/99 22:12	2.10	S36 C1,C2 IG fit [VAC]	recovery		20	Y		11/11/99 22:12	11/11/99 22:31	0.32	0.32		VAC	Store Lost	S36 C1,C2 IG fit [VAC]
21	11/11/99 22:31	11/12/99 07:47	9.27	kicker misfire, inj [PS]	recovery		21	Y		11/12/99 07:47	11/12/99 08:01	0.23	0.23		PS	Store Lost	kicker misfire, inj [PS]
22	11/12/99 08:01	11/12/99 11:19	3.30	iocS21BPM comm [CTL]	recovery, kic		22	Y		11/12/99 11:19	11/12/99 11:46	0.53	0.45		CTL	Store Lost	iocS21BPM comm [CTL]
22.1								Y		11/12/99 11:46	11/12/99 11:51		0.08		PS	Inhibits beam to users	Kicker misfire during injection (similar to one earlier today)
25	11/12/99 11:51	11/12/99 21:00	9.15	Gaps opened			25			11/12/99 21:00	11/12/99 21:11	0.18	0.18		CTL	Inhibits beam to users	
25.1	11/12/99 21:11	11/14/99 15:11	42.00	rf trip [RF]	subsequent t		25.1	Y		11/14/99 15:11	11/14/99 17:26	2.25	2.25		RF	Store Lost	rf trip [RF]
30	11/14/99 17:26	11/15/99 08:00	14.57	Int Dump: End of Period			30	Y		11/15/99 08:00					Intentional	End of Period	Int Dump: End of Period
			128.85	136.00													
31	11/17/99 08:01	11/17/99 13:36	5.58	Raw PS trip (s20-21) [PS]	R&R		31	Y		11/17/99 13:36	11/17/99 15:08	1.53	1.53		PS	Store Lost	S21-22 PS converter failure - replacement
33	11/17/99 15:08	11/18/99 05:05	13.95	lost comm ioc21bpm [CTL]	reboot, troub		33	Y		11/18/99 05:05	11/18/99 05:20	5.43	0.25		CTL	Store Lost	IOC21BPM lost communications - releasing converters lost beam.
33.1								Y		11/18/99 05:20	11/18/99 10:31		5.18		ISI	Inhibits beam to users	ID4 was stuck - access into Zone A to attempt repair
34	11/18/99 10:31	11/19/99 02:09	15.63	S38A:Q4 output [PS]	Recovery		34	Y		11/19/99 02:09	11/19/99 02:24	0.25	0.25		PS	Store Lost	PS S38A:Q4 tripped
37	11/19/99 02:24	11/19/99 23:19	20.92	S22B:Q4 glitch [PS]	Recovery		37	Y		11/19/99 23:19	11/19/99 23:44	0.42	0.42		PS	Store Lost	PS S322B:Q4 tripped
39	11/19/99 23:44	11/20/99 10:53	11.15	S22B:Q4 glitch [PS]	Recovery		39	Y		11/20/99 10:53	11/20/99 11:13	0.33	0.33		PS	Store Lost	PS S322B:Q4 tripped
41	11/20/99 11:13	11/20/99 17:47	6.57	S22B:Q4 glitch [PS]	converter replacement		41	Y		11/20/99 17:47	11/20/99 19:13	2.42	1.43		PS	Store Lost	PS S322B:Q4 tripped - PS replaced
								Y		11/20/99 19:13	11/20/99 20:12		0.98		PS	Inhibits beam to users	Booster dipole repairs - SCR fuse and cabinet exhaust fuse replaced
42	11/20/99 20:12	11/20/99 22:04	1.87	1BM PSS trip	recovery		42	Y		11/20/99 22:04	11/20/99 23:10	1.10	1.10		ISI	Store Lost	1BM PSS trip - had to verify trip and then restart PS and RF systems
45	11/20/99 23:10	11/23/99 08:00	56.83				45			11/23/99 08:00		0.01	0.01		Intentional	End of Period	Int Dump: End of Period
			132.50	143.99													
												0.03	0.03		Other	Inhibits beam to users	
48	11/23/99 16:03	11/23/99 17:18	1.25	lost comm iocs9bpm [CTL]	recovery		48	Y		11/23/99 17:18	11/23/99 17:41	0.38	0.38		CTL	Store Lost	
51	11/23/99 17:41	11/26/99 07:49	62.13	WF, kicker misfire [PS]	recovery		51	Y		11/26/99 07:49	11/26/99 08:05	0.27	0.27		PS	Store Lost	
54	11/26/99 08:05	11/26/99 10:10	2.08	9ID BPLD problem [DIA]	recovery		54	Y		11/26/99 10:10	11/26/99 10:34	0.40	0.40		DIA	Store Lost	
55	11/26/99 10:34	11/27/99 02:27	15.88	S29A:H2 glitch [PS]	recovery		55	Y		11/27/99 02:27	11/27/99 02:56	0.48	0.48		PS	Store Lost	
58	11/27/99 02:56	11/28/99 12:56	34.00	S40 converters trip [PS]	comm problems with i		58	Y		11/28/99 12:56	11/28/99 15:56	3.00	3.00		PS	Store Lost	S40 convert trip. S15&16 heartbeat card failed
63	11/28/99 15:56	11/28/99 19:46	3.83	WF, kicker misfire [PS]	recovery		63	Y		11/28/99 19:46	11/28/99 20:06	0.33	0.33		PS	Store Lost	
64	11/28/99 20:06	11/29/99 07:59	11.88	Int Dump: End of Period			64	Y		11/29/99 07:59		0.01	0.01		Intentional	End of Period	Int Dump: End of Period
			131.07	135.97										0.00			
65	12/01/99 08:01	12/01/99 09:56	1.92	SRRF PSS trip [RF]	repair, recovery		65			12/01/99 09:56	12/01/99 11:07	1.18	1.18		RF	Store Lost	
66	12/01/99 11:07	12/01/99 16:57	5.83	PSS trip, humerr [ISI]	recovery		66			12/01/99 16:57	12/01/99 17:43	0.77	0.77		ISI	Store Lost	
67	12/01/99 17:43	12/02/99 15:12	21.48	Reason unknown [OTH]	recovery		67			12/02/99 15:12	12/02/99 16:27	1.25	1.25		Other	Store Lost	
73	12/02/99 16:27	12/07/99 08:00	111.55	Int Dump: End of Period			73			12/07/99 08:00					Intentional	End of Period	Int Dump: End of Period
			140.78	143.98										0.00			
79	12/07/99 16:02	12/09/99 19:45	51.72	kicker set point [PS]	recovery		79			12/09/99 19:45	12/09/99 19:58	0.22	0.22		PS	Store Lost	
83	12/09/99 19:58	12/11/99 15:15	43.28	Timing fault [CTL]	recovery, linac switchc		83			12/11/99 15:15	12/11/99 16:00	0.75	0.75		CTL	Store Lost	
87	12/11/99 16:00	12/13/99 00:06	32.10	Reason unknown [OTH]	recovery, linac switchc		87			12/13/99 00:06	12/13/99 00:08	0.73	0.03		Other	Store Lost	
87.1										12/13/99 00:08	12/13/99 00:37		0.48		4GL	Inhibits beam to users	Linac turnover from LEUTL studies
87.2										12/13/99 00:37	12/13/99 00:50		0.22		Other	Inhibits beam to users	

89	12/13/99 00:50	12/13/99 05:42	4.87	Reason unknown [OTH]	recovery		89		12/13/99 05:42	12/13/99 06:07	0.42	0.42		Other	Store Lost	
90	12/13/99 06:07	12/13/99 07:59	1.87	Int Dump: End of Period			90		12/13/99 07:59		0.02	0.02		Intentional	End of Period	Int Dump: End of Period
			133.83		135.97								0.00			
91	12/15/99 08:02	12/15/99 09:29	1.45	S12B:V2 trip [H2O]	Subsequent replacem		91		12/15/99 09:29	12/15/99 11:53	2.40	2.40		H2O	Store Lost	S12B:V2 trip [H2O]
92	12/15/99 11:53	12/15/99 19:46	7.88	EPS work at 7ID [ISI]	recovery		92		12/15/99 19:46	12/15/99 20:07	0.35	0.35		ISI	Store Lost	EPS work at 7ID [ISI]
93	12/15/99 20:07	12/16/99 18:11	22.07	S12:AV3 problem [PS]	several converters swa		93		12/16/99 18:11	12/16/99 20:03	1.87	1.87		PS	Store Lost	S12:AV3 problem [PS]
95	12/16/99 20:03	12/17/99 10:09	14.10	PS interlock [PS]	repair of interlock		95		12/17/99 10:09	12/17/99 11:21	1.20	1.20		PS	Store Lost	PS interlock [PS]
97	12/17/99 11:21	12/17/99 23:38	12.28	Power Bump [OTH]	recovery on a number		97		12/17/99 23:38	12/18/99 03:57	4.32	4.32		Other	Store Lost	Power Bump [OTH]
99	12/18/99 03:57	12/18/99 13:55	9.97	rf ioc reboot [CTL]	rf waveguide switch		99		12/18/99 13:55	12/18/99 15:08	1.22	1.22		CTL	Store Lost	rf ioc reboot [CTL]
101	12/18/99 15:08	12/19/99 11:25	20.28	Gaps opened			101		12/19/99 11:25	12/19/99 11:42	0.28	0.28		CTL	Inhibits beam to users	
101	12/19/99 11:42	12/19/99 22:31	10.82	iocs9bpm comm prblm[CTL]	problems with SRRF p		101	Y	12/19/99 22:31	12/19/99 23:35	2.52	1.07		CTL	Store Lost	iocs9bpm comm prblm[CTL]
101							101	Y	12/19/99 23:35	12/20/99 01:02		1.45		RF	Inhibits beam to users	
104	12/20/99 01:02	12/20/99 07:45	6.72	WF, kicker misfire [PS]	recovery		104		12/20/99 07:45	12/20/99 08:18	0.55	0.55		PS	Store Lost	WF, kicker misfire [PS]
106	12/20/99 08:18	12/21/99 20:42	36.40	S38A:V2 trip [PS]			106		12/21/99 20:42	12/21/99 22:17	1.58	1.58		PS	Store Lost	S38A:V2 trip [PS]
109	12/21/99 22:17	12/22/99 04:21	6.07	S3B gespac problem (PS)			109		12/22/99 04:21	12/22/99 04:48	0.45	0.45		Other	Store Lost	S3B gespac problem (PS)
111	12/22/99 04:48	12/24/99 00:00	43.20	Int Dump: End of Period			111		12/24/99 00:00					Intentional	End of Period	Int Dump: End of Period
			191.23		207.97								0.00			