

Studies Period	Type of Studies	Start Time	Stop Time	Downtime	Machine Intervention	Training	Description
2003-3.1	Training	09/26/03 12:11	09/26/03 13:26			1.25	Booster direct injection training
2003-3.1	Downtime	09/26/03 13:26	09/26/03 13:55	0.48			B:IK:PS investigation [PS]
2003-3.1	Downtime	09/26/03 21:46	09/26/03 22:21	0.58			IOCBVP1 [CTL]
2003-3.1	Training	09/27/03 00:00	09/27/03 01:49			1.82	Linac
2003-3.1	Training	09/27/03 21:00	09/27/03 22:38			1.63	Booster direct injection training
2003-3.1	Training	09/28/03 02:25	09/28/03 05:16			2.85	Booster direct injection training
2003-3.1	Training	09/28/03 21:15	09/28/03 23:00			1.75	Injector training
2003-3.1	Downtime #104590	09/29/03 20:21	09/30/03 01:18	4.95			L1:MO1, L2:MO1 [RF]
2003-3.1	Downtime	10/01/03 03:30	10/01/03 07:45	4.25			S9A:H3 [PS]
<b>2003-3.1</b>				<b>10.27</b>	<b>0.00</b>	<b>9.30</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2003-3.2	Machine Intervention	10/06/03 16:18	10/06/03 18:00		1.70		Repair at 08-ID and 09-ID EPS
2003-3.2	Training	10/06/03 18:00	10/06/03 19:26			1.43	SR requalification
<b>2003-3.2</b>				<b>0.00</b>	<b>1.70</b>	<b>1.43</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2003-3.3	Machine Intervention	10/13/03 08:25	10/13/03 09:40		1.25		Access to zone-A to replace an encoder on 03-ID
2003-3.3	Machine Intervention	10/13/03 09:40	10/13/03 14:00		4.33		Various activities
2003-3.3	Training	10/13/03 15:33	10/13/03 18:57			3.40	Injector training
2003-3.3	Downtime	10/13/03 22:18	10/13/03 23:35	1.28			PAR RF problem [RF]
2003-3.3	Downtime #104611	10/14/03 02:13	10/14/03 03:05	0.87			S34A:H3:PS swapout [PS]
2003-3.3	Downtime #104612	10/14/03 05:42	10/14/03 06:11	0.48			S1A:V1:PS fault [PS]
2003-3.3	Machine Intervention	10/14/03 08:27	10/14/03 10:35		2.13		SR Access zone D, E, F
2003-3.3	Downtime	10/14/03 10:35	10/14/03 12:58	2.38			L1:MO and multiple SR power supplies
2003-3.3	Machine Intervention	10/14/03 15:28	10/14/03 16:34		1.10		SR Zone D access to LOTO 23-ID shutter
2003-3.3	Downtime	10/14/03 16:34	10/14/03 17:28	0.90			Linac PEM direct injection troubleshooting (OAG)
2003-3.3	Training	10/15/03 02:25	10/15/03 04:00			1.58	SR requalification
<b>2003-3.3</b>				<b>5.92</b>	<b>8.82</b>	<b>4.98</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2003-3.4	Machine Intervention	10/21/03 08:00	10/21/03 10:00		2.00		Various activities
2003-3.4	Downtime #104621	10/21/03 10:00	10/21/03 13:56	3.93			Booster RF-5 fused disconnect [RF]
<b>2003-3.4</b>				<b>3.93</b>	<b>2.00</b>	<b>0.00</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2003-3.5	Machine Intervention	10/27/03 08:14	10/27/03 10:00		1.77		Various activities
2003-3.5		10/27/03 10:00	10/27/03 11:44	1.73			BRF-5 Rad. Monitor replacement
2003-3.5	Training	10/27/03 17:06	10/27/03 18:51			1.75	PAR
2003-3.5		10/28/03 00:52	10/28/03 01:46	0.90			S21B:Q5:PS trip and swapout
2003-3.5	Training	10/28/03 01:46	10/28/03 03:37			1.85	Linac, SR
2003-3.5	Training	10/28/03 08:44	10/28/03 09:14			0.50	SR requalification
2003-3.5		10/28/03 13:14	10/28/03 13:40	0.43			L1RF was mistakenly turned off
2003-3.5	Training	10/29/03 02:57	10/29/03 05:42			2.75	Linac
<b>2003-3.5</b>				<b>3.07</b>	<b>1.77</b>	<b>6.85</b>	

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Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2003-3.6	Machine Intervention	11/03/03 16:05	11/03/03 17:04		0.98		Various activities
2003-3.6	Training	11/04/03 02:03	11/04/03 04:00			1.95	PAR
<b>2003-3.6</b>				<b>0.00</b>	<b>0.98</b>	<b>1.95</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2003-3.7	Machine Intervention	11/10/03 09:15	11/10/03 11:41		2.43		Various activities
2003-3.7	Downtime	11/11/03 10:00	11/11/03 12:04	2.07			MCR UPS switch
2003-3.7	Training	11/11/03 10:29	11/11/03 12:04			1.58	Linac
2003-3.7	Training	11/11/03 15:10	11/11/03 17:02			1.87	Linac
2003-3.7	Training	11/11/03 23:17	11/12/03 02:54			3.62	PAR
<b>2003-3.7</b>				<b>2.07</b>	<b>2.43</b>	<b>7.07</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2003-3.8	Training	11/18/03 08:27	11/18/03 10:49			2.37	PAR
2003-3.8	Downtime	11/18/03 10:49	11/18/03 13:35	2.77			24ID EPS/PSS trip
<b>2003-3.8</b>				<b>2.77</b>	<b>0.00</b>	<b>2.37</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2003-3.9	Training	11/25/03 08:00	11/25/03 10:00			2.00	Linac
2003-3.9	Machine Intervention	11/25/03 08:32	11/25/03 10:00		1.47		Various activities
2003-3.9	Downtime	11/25/03 10:00	11/25/03 14:40	4.67			VM:34:VV01 problem
<b>2003-3.9</b>				<b>4.67</b>	<b>1.47</b>	<b>2.00</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2003-3.10	Training	11/27/03 07:30	11/27/03 08:41			1.18	PAR, SR
2003-3.10	Inhibits Training	11/27/03 08:41	11/27/03 09:51	1.17			S10B:Q1
2003-3.10	Downtime	11/27/03 15:53	11/27/03 17:00	1.12			S10B:Q1 swapout
<b>2003-3.10</b>				<b>2.28</b>	<b>0.00</b>	<b>1.18</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2003-3.11	Training	12/03/03 03:00	12/03/03 04:56			1.93	Linac
2003-3.11	Machine Intervention	12/03/03 07:55	12/03/03 11:51		3.93		Various activities
2003-3.11	Machine Intervention	12/03/03 15:36	12/03/03 17:10		1.57		Zone D access to lock out the 23ID and 24ID shutters
2003-3.11	Training	12/04/03 03:36	12/04/03 05:20			1.73	Linac
<b>2003-3.11</b>				<b>0.00</b>	<b>5.50</b>	<b>3.67</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2003-3.12	Machine Intervention	12/09/03 08:15	12/09/03 08:50		0.58		Various activities
2003-3.12	Downtime	12/09/03 12:16	12/09/03 13:20	1.07			Replacing the SR S22:23 +5V supply

<b>2003-3.12</b>				<b>1.07</b>	<b>0.58</b>	<b>0.00</b>	
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Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2003-3.13	Machine Intervention	12/15/03 16:15	12/15/03 16:46		0.52		PCG Laser alignment
2003-3.13	Machine Intervention	12/15/03 16:46	12/15/03 18:00		1.23		Work on 17ID PS2 shutter
2003-3.13	Downtime	12/15/03 18:00	12/15/03 20:05	2.08			Recovery after Zone C access; S20B:H1:PS swap
2003-3.13	Downtime	12/16/03 04:06	12/16/03 05:50	1.73			BRF-5 solenoid valve for the Hybrid#3 return flow
2003-3.13	Training	12/16/03 05:00	12/16/03 06:42			1.70	PAR
<b>2003-3.13</b>				<b>3.82</b>	<b>1.75</b>	<b>1.70</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2003-3.14	Machine Intervention	12/22/03 00:15	12/22/03 02:30		2.25		Access SR zone A & F
2003-3.14	Downtime	12/22/03 02:30	12/22/03 04:00	1.50			Recovery from the SR zone A & F access
<b>2003-3.14</b>				<b>1.50</b>	<b>2.25</b>	<b>0.00</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-1.1	Training	01/26/04 12:03	01/26/04 14:49			2.77	Linac
2004-1.1	Inhibits Training	01/26/04 14:00	01/26/04 16:00	2.00			No SR training (Vacuum leak at 1-ID)
2004-1.1	Downtime #104674	01/26/04 16:00	01/28/04 10:18	42.30			Vacuum leak at 1-ID [VAC]
2004-1.1	Downtime #104676	01/28/04 16:00	01/28/04 18:04	2.07			Booster corrector ramps [PS]
2004-1.1	Downtime #104675	01/28/04 17:17	01/28/04 18:28	1.18			Gateways down [CTL]
2004-1.1	Downtime \$104677	01/29/04 04:00	01/29/04 06:07	2.12			S24C:BM trip [PS]
<b>2004-1.1</b>				<b>49.67</b>	<b>0.00</b>	<b>2.77</b>	
					0.00		

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-1.3	Machine Intervention	02/09/04 09:08	02/11/04 01:41		40.55		Various activities
2004-1.3	Training	02/10/04 01:35	02/10/04 06:00			4.42	PAR
2004-1.3	Training	02/10/04 07:00	02/10/04 09:00			2.00	Linac
2004-1.3	Downtime #104691	02/11/04 01:41	02/11/04 06:58	5.28			S23A:Q2:PS [PS]

<b>2004-1.3</b>				<b>5.28</b>	<b>40.55</b>	<b>6.42</b>	
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<b>Studies Period</b>		<b>Start Time</b>	<b>Stop Time</b>	<b>Downtime</b>	<b>Machine Intervention</b>	<b>Training</b>	
2004-1.4	Training	02/17/04 08:00	02/17/04 11:00			3.00	PAR
<b>2004-1.4</b>				<b>0.00</b>	<b>0.00</b>	<b>3.00</b>	

<b>Studies Period</b>		<b>Start Time</b>	<b>Stop Time</b>	<b>Downtime</b>	<b>Machine Intervention</b>	<b>Training</b>	
2004-1.5	Training	02/23/04 08:00	02/23/04 09:50			1.83	Linac...
2004-1.5	Machine Intervention	02/23/04 08:46	02/23/04 20:45		11.98		Various activities
2004-1.5	Downtime #104701	02/24/04 00:07	02/24/04 03:00	2.88			L1:RG2:SC2:VL:PS [PS]
2004-1.5	Training	02/24/04 09:00	02/24/04 12:50			3.83	SR
2004-1.5	Training	02/24/04 18:00	02/24/04 20:00			2.00	PAR
2004-1.5	Downtime #104702	02/24/04 12:10	02/24/04 12:25	0.25			P:SD:PS [PS]
2004-1.5	Training	02/25/04 00:01	02/25/04 01:36			1.58	Booster
<b>2004-1.5</b>				<b>3.13</b>	<b>11.98</b>	<b>9.25</b>	

<b>Studies Period</b>		<b>Start Time</b>	<b>Stop Time</b>	<b>Downtime</b>	<b>Machine Intervention</b>	<b>Training</b>	
2004-1.6	Downtime #104754	03/01/04 16:00	03/01/04 23:00	7.00			Booster scrapers were removed [DIA]
<b>2004-1.6</b>				<b>7.00</b>	<b>0.00</b>		

<b>Studies Period</b>		<b>Start Time</b>	<b>Stop Time</b>	<b>Downtime</b>	<b>Machine Intervention</b>	<b>Training</b>	
2004-1.7	Machine Intervention	03/08/04 08:15	03/08/04 10:15		2.00		Various activities
2004-1.7	Training	03/08/04 07:41	03/08/04 09:30			1.82	Linac
2004-1.7	Training	03/08/04 10:15	03/08/04 12:00			1.75	SR
2004-1.7	Training	03/09/04 00:36	03/09/04 02:21			1.75	SR
2004-1.7	Downtime #104755	03/08/04 18:55	03/08/04 22:02	3.12			8-ID PS2 shutter problem [SI]
2004-1.7	Training	03/09/04 11:15	03/09/04 13:00			1.75	Linac
2004-1.7	Training	03/09/04 13:00	03/09/04 14:43			1.72	Linac
2004-1.7	Downtime #104716	03/10/04 02:59	03/10/04 06:30	3.52			S2B:H1:PS regulator card [PS]
2004-1.7	Downtime #104717	03/10/04 06:30	03/10/04 08:00	1.50			S36 cavity #2 tuner piston fault [RF]
<b>2004-1.7</b>				<b>8.13</b>	<b>2.00</b>	<b>8.78</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-1.8	Machine Intervention	03/16/04 08:22	03/16/04 09:15		0.88		Various activities without SR beam
2004-1.8	Downtime #104724	03/16/04 09:15	03/16/04 09:52	0.62			RF ACIS test after chain C update [RF]
2004-1.8	Training	03/16/04 09:15	03/16/04 11:15			2.00	Linac
<b>2004-1.8</b>				<b>0.62</b>	<b>0.88</b>	<b>2.00</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-1.9	Machine Intervention	03/22/04 08:16	03/22/04 11:24		3.13		Various activities
2004-1.9	Training	03/23/04 04:17	03/23/04 05:59			1.70	SR
2004-1.9	Machine Intervention	03/23/04 06:00	03/23/04 10:09		4.15		Various activities
2004-1.9	Downtime #104729	03/23/04 10:09	03/23/04 11:02	0.88			S40B:Q3:PS [PS]
2004-1.9	Downtime #104730	03/23/04 11:02	03/23/04 12:04	1.03			SR-RF-4 crowbar [RF]
2004-1.9	Machine Intervention	03/23/04 15:50	03/23/04 17:21		1.52		Access zone D to lock out 24-ID PS2 shutter
<b>2004-1.9</b>				<b>1.92</b>	<b>8.80</b>	<b>1.70</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-1.10	Training	03/30/04 10:00	03/30/04 12:14			2.23	Linac
<b>2004-1.10</b>				<b>0.00</b>	<b>0.00</b>	<b>2.23</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-1.11	Machine Intervention	04/05/04 08:20	04/05/04 11:00		2.67		Various activities
2004-1.11	Training	04/05/04 10:00	04/05/04 11:00			1.00	SR
2004-1.11	Inhibits Training	04/05/04 11:00	04/05/04 12:00	1.00			S14A:S2 and extended time to secure zone B [PS]
2004-1.11	Downtime #104746	04/05/04 12:00	04/05/04 13:41	1.68			SR dipole, S27A:Q2 [PS]
2004-1.11	Training	04/06/04 02:30	04/06/04 04:30			2.00	PAR
2004-1.11	Training	04/06/04 07:30	04/06/04 12:10			4.67	SR, Linac
2004-1.11	Training	04/06/04 23:00	04/07/04 01:00			2.00	SR, Linac
<b>2004-1.11</b>				<b>2.68</b>	<b>2.67</b>	<b>9.67</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
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2004-1.12	Machine Intervention	04/12/04 16:05	04/12/04 17:05		1.00		Various activities
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Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-1.13	Machine Intervention	04/20/04 07:08	04/20/04 07:46		0.63		CA zone D
2004-1.13	Training	04/20/04 07:10	04/20/04 09:45			2.58	PAR
2004-1.13	Training	04/20/04 18:00	04/20/04 20:43			2.72	SR
<b>2004-1.13</b>				<b>0.00</b>	<b>0.63</b>	<b>5.30</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-2.1	Training	05/20/04 12:45	05/20/04 15:00			2.25	Linac
2004-2.1	Training	05/20/04 20:05	05/20/04 22:00			1.92	Linac
2004-2.1	Training	05/21/04 20:00	05/21/04 22:15			2.25	Linac
2004-2.1	Training	05/22/04 12:30	05/22/04 15:25			2.92	Linac
2004-2.1	Training	05/23/04 18:42	05/23/04 20:06			1.40	Linac
2004-2.1	Training	05/24/04 13:00	05/24/04 15:00			2.00	Booster
2004-2.1	Downtime #104762	05/24/04 15:00	05/24/04 21:25	6.42			S21 beam stop replaced and cooling water connected [ME]
2004-2.1	Downtime #104763	05/25/04 01:55	05/25/04 06:27	4.53			S27B:Q4 converter trip, swapout, & backflush [PS]
<b>2004-2.1</b>				<b>10.95</b>	<b>0.00</b>	<b>12.73</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-2.2	Machine Intervention	05/31/04 08:05	05/31/04 10:52		2.78		Various activities
2004-2.2	Downtime #104770	05/31/04 12:24	05/31/04 12:54	0.50			SR RF1 trip

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-2.3	Training	06/07/04 08:10	06/07/04 10:40			2.50	Linac
2004-2.3	Training	06/07/04 12:00	06/07/04 14:00			2.00	Linac
2004-2.3	Training	06/07/04 17:00	06/07/04 19:00			2.00	Booster
2004-2.3	Downtime	06/07/04 18:15	06/08/04 03:36	9.35			S23 GESPAC crate [PS]
2004-2.3	Training	06/08/04 00:16	06/08/04 02:40			2.40	Linac
2004-2.3	Training	06/08/04 03:10	06/08/04 04:03			0.88	Linac
2004-2.3	Training	06/08/04 14:08	06/08/04 15:55			1.78	Linac
2004-2.3	Training	06/09/04 02:51	06/09/04 03:25			0.57	Linac

<b>2004-2.3</b>				<b>9.35</b>	<b>0.00</b>	<b>12.13</b>	
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<b>Studies Period</b>		<b>Start Time</b>	<b>Stop Time</b>	<b>Downtime</b>	<b>Machine Intervention</b>	<b>Training</b>	
2004-2.4	Training	06/15/04 08:08	06/15/04 09:50			1.70	Linac
2004-2.4	Machine Intervention	06/15/04 08:05	06/15/04 10:10		2.08		Access zone C

<b>Studies Period</b>		<b>Start Time</b>	<b>Stop Time</b>	<b>Downtime</b>	<b>Machine Intervention</b>	<b>Training</b>	
2004-2.5	Machine Intervention	06/21/04 08:05	06/21/04 09:42		1.62		Access zone A
2004-2.5	Downtime	06/21/04 09:42	06/21/04 10:02	0.33			S6:7:R3 fault [PS]
2004-2.5	Training	06/21/04 09:50	06/21/04 12:03			2.22	Linac ACO
2004-2.5	Training	06/21/04 13:27	06/21/04 15:25			1.97	Linac ACO
2004-2.5	Downtime #104788	06/21/04 20:07	06/21/04 20:15	0.13			S37B:Q2 trip [PS]
2004-2.5	Training	06/22/04 07:55	06/22/04 09:58			2.05	Linac
2004-2.5	Training	06/22/04 11:03	06/22/04 11:55			0.87	Linac
2004-2.5	Downtime #104789	06/22/04 12:30	06/22/04 13:15	0.75			SR zone F access lasted longer than scheduled [RF]
<b>2004-2.5</b>				<b>1.22</b>	<b>1.62</b>	<b>7.10</b>	

<b>Studies Period</b>		<b>Start Time</b>	<b>Stop Time</b>	<b>Downtime</b>	<b>Machine Intervention</b>	<b>Training</b>	
2004-2.6	Downtime #104794	06/28/04 15:37	06/28/04 17:46	2.15			Linac ACIS problem [SI]
2004-2.6	Training	06/28/04 16:45	06/28/04 17:46			1.02	PAR
2004-2.6	Inhibits Training	06/28/04 17:46	06/28/04 18:30	0.73			Linac ACIS problem [SI]
2004-2.6	Downtime #104794	06/28/04 18:30	06/28/04 21:14	2.73			Linac ACIS problem [SI]
<b>2004-2.6</b>				<b>5.62</b>	<b>0.00</b>	<b>1.02</b>	

<b>Studies Period</b>		<b>Start Time</b>	<b>Stop Time</b>	<b>Downtime</b>	<b>Machine Intervention</b>	<b>Training</b>	
2004-2.7	Training	07/04/04 19:08	07/04/04 22:02			2.90	PAR and the SR

<b>Studies Period</b>		<b>Start Time</b>	<b>Stop Time</b>	<b>Downtime</b>	<b>Machine Intervention</b>	<b>Training</b>	
2004-2.8	Training	07/13/04 09:03	07/13/04 11:22			2.32	Combined amount of training on the Linac & SR



Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-2.9	Machine Intervention	07/19/04 08:05	07/19/04 13:50		5.75		Various activities
2004-2.9	Training	07/20/04 11:00	07/20/04 15:00			4.00	Linac
2004-2.9	Downtime #104807	07/20/04 12:34	07/20/04 13:36	1.03			SR VM-04-VV02 [CTL]
<b>2004-2.9</b>				<b>1.03</b>	<b>5.75</b>	<b>4.00</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-2.10	Machine Intervention	07/26/04 16:05	07/26/04 17:57		1.87		Various activities
2004-2.10	Training	07/26/04 16:10	07/26/04 17:45			1.58	Linac
<b>2004-2.10</b>				<b>0.00</b>	<b>1.87</b>	<b>1.58</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-2.11	Machine Intervention	08/02/04 08:05	08/02/04 12:00		3.92		Various activities
2004-2.11	Downtime #104815	08/02/04 12:00	08/02/04 16:40	4.67			16ID Safety Shuttrs vacuum leak [VAC]
2004-2.11	Training	08/02/04 17:37	08/02/04 19:29			1.87	PAR
2004-2.11	Training	08/03/04 00:42	08/03/04 02:45			2.05	Linac
2004-2.11	Downtime #104816	08/03/04 02:45	08/03/04 03:42	0.95			S18B:H2 PS swap [PS]
2004-2.11	Training	08/03/04 05:29	08/03/04 06:21			0.87	Linac
2004-2.11	Training	08/03/04 07:00	08/03/04 09:17			2.28	Booster Ops qualification
2004-2.11	Training	08/04/04 02:57	08/04/04 06:35			3.63	Linac
<b>2004-2.11</b>				<b>5.62</b>	<b>3.92</b>	<b>10.70</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-2.12	Training	08/10/04 08:09	08/10/04 10:00			1.85	Linac
2004-2.12	Machine Intervention	08/10/04 08:39	08/10/04 09:02		0.38		Access zone F
2004-2.12	Training	08/10/04 12:25	08/10/04 13:50			1.42	Linac
<b>2004-2.12</b>				<b>0.00</b>	<b>0.38</b>	<b>3.27</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-2.13	Training	08/17/04 18:00	08/17/04 20:00			2.00	Booster
2004-2.13	Training	08/18/04 05:13	08/18/04 06:15			1.03	PAR
<b>2004-2.13</b>				<b>0.00</b>	<b>0.00</b>	<b>3.03</b>	

<b>Studies Period</b>		<b>Start Time</b>	<b>Stop Time</b>	<b>Downtime</b>	<b>Machine Intervention</b>	<b>Training</b>	
2004-2.14	Training	08/26/04 20:45	08/26/04 22:30			1.75	Linac