

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-3.1	Training	09/28/04 12:57	09/28/04 15:00			2.05	Booster
2004-3.1	Training	09/28/04 23:30	09/29/04 01:00			1.50	Linac
2004-3.1	Training	09/29/04 05:07	09/29/04 07:50			2.72	SR
2004-3.1	Training	09/29/04 07:30	09/29/04 09:56			2.43	Booster
2004-3.1	Machine Intervention	09/29/04 07:50	09/29/04 10:18		2.47		Access SR zone A&D
2004-3.1	Inhibits Training DIN#104828	09/29/04 10:18	09/29/04 12:00	1.70			Network storm (CTL)
2004-3.1	Downtime DIN#104828	09/29/04 12:00	09/29/04 16:30	4.50			SR IOCs storm (CTL); PAR BESOCM (DIA)
2004-3.1	Training	09/29/04 12:04	09/29/04 13:49			1.75	Booster
2004-3.1	Downtime DIN#104829	09/29/04 21:45	09/30/04 04:12	6.45			B:EK:PS high charge resistor (PS)
2004-3.1	Downtime DIN#104831	10/01/04 20:20	10/02/04 09:00	12.67			SR RF cavity conditioning with 0+24 (VAC)
2004-3.1	Training	09/30/04 02:05	09/30/04 05:54			3.82	SR/Linac/PAR
2004-3.1	Training	09/30/04 08:00	09/30/04 10:00			2.00	Booster
2004-3.1	Training	09/30/04 23:07	10/01/04 03:14			4.12	SR
2004-3.1	Training	10/01/04 03:14	10/01/04 05:45			2.52	Linac/ PAR
2004-3.1	Training	10/01/04 10:00	10/01/04 12:00			2.00	Booster
2004-3.1	Training	10/03/04 00:00	10/03/04 01:30			1.50	Linac
2004-3.1	Downtime DIN#104833	10/03/04 05:22	10/03/04 12:18	6.93			SR RF4 cavity 1&2 ion gauge fault
2004-3.1	Downtime DIN#104834	10/03/04 18:30	10/03/04 19:34	1.07			S20A:Q4:PS swap (PS)
2004-3.1	Downtime DIN#104835	10/03/04 20:03	10/03/04 20:59	0.93			S8A:V3:PS swap (PS)
2004-3.1	Downtime DIN#104836	10/04/04 04:31	10/04/04 07:00	2.48			S3A:H3 swapouts (PS)
2004-3.1	Training	10/04/04 08:00	10/04/04 10:00			2.00	Booster/ SR
2004-3.1	Training	10/04/04 11:00	10/04/04 13:30			2.50	Booster
2004-3.1	Downtime DIN#104837	10/05/04 03:40	10/05/04 06:26	2.77			Booster corrector's GESPAC (RF)
2004-3.1				39.50	2.47	30.90	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-3.2	Downtime DIN#104841	10/11/04 16:05	10/12/04 00:45	8.67			Bldg. 450 compressed air work
2004-3.2				8.67	0.00	0.00	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-3.3	Machine Intervention	10/18/04 08:15	10/18/04 14:55		6.67		Access SR zone A,D,E,F, and Linac/ PAR
2004-3.3	Training	10/18/04 21:00	10/18/04 23:00			2.00	Booster
2004-3.3	Downtime DIN#104846	10/18/04 21:55	10/18/04 22:15	0.33			Workstation Cadmus locked up (IT)
2004-3.3	Training	10/19/04 19:00	10/19/04 21:00			2.00	Parasitic to topup
2004-3.3	Training	10/20/04 00:10	10/20/04 02:05			1.92	Booster
2004-3.3				0.33	6.67	5.92	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-3.4	Downtime DIN#104847	10/26/04 08:09	10/26/04 09:20	1.18			Work on VTM 200 Ethernet card (CTL)
2004-3.4	Downtime DIN#104848	10/26/04 09:20	10/26/04 10:20	1.00			Gespac PS failed in SR S2&3 (PS)
2004-3.4	Inhibits Training DIN#104848	10/26/04 10:20	10/26/04 11:50	1.50			Training cancelled for 13:30-15:00
2004-3.4				3.68	0.00	0.00	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-3.5	Machine Intervention	11/01/04 08:12	11/01/04 15:17		7.08		Access SR zone A,B,C and Linac/ PAR
2004-3.5	Training	11/02/04 05:12	11/02/04 06:50			1.63	SR
2004-3.5	Training	11/02/04 11:11	11/02/04 12:55			1.73	Booster
2004-3.5	Training	11/03/04 02:12	11/03/04 04:05			1.88	PAR

2004-3.5	Training	11/03/04 04:05	11/03/04 05:33			1.47	SR
2004-3.5				0.00	7.08	6.72	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-3.6	Machine Intervention	11/08/04 16:07	11/08/04 17:19		1.20		Various activities
2004-3.6	Downtime DIN#104857	11/08/04 20:18	11/08/04 21:37	1.32			S18A:Q1 converter (PS)
2004-3.6				1.32	1.20	0.00	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-3.7	Machine Intervention	11/15/04 08:08	11/15/04 12:15		4.12		Various activities
2004-3.7	Training	11/15/04 12:15	11/15/04 13:35			1.33	PAR
2004-3.7	Training	11/15/04 13:39	11/15/04 15:00			1.35	SR
2004-3.7	Training	11/15/04 15:05	11/15/04 17:00			1.92	Booster
2004-3.7	Downtime DIN#104865	11/16/04 03:02	11/16/04 04:13	1.18			SR RF-4 vacuum trip (RF)
2004-3.7	Training	11/16/04 07:05	11/16/04 09:00			1.92	PAR
2004-3.7	Training	11/16/04 09:00	11/16/04 10:03			1.05	SR
2004-3.7	Inhibits Training DIN#104866	11/16/04 10:03	11/16/04 10:45	0.70			SR RF-2 Mod Anode control card swap (RF)
2004-3.7	Training	11/16/04 19:00	11/16/04 21:00			2.00	Booster
2004-3.7				1.88	4.12	9.57	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-3.8	Machine Intervention	11/23/04 08:09	11/23/04 09:50		1.68		Various activities
2004-3.8				0.00	1.68	0.00	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-3.9	Training	11/26/04 00:05	11/26/04 02:00			1.92	Booster
2004-3.9	Training	11/26/04 02:00	11/26/04 02:30			0.50	SR
2004-3.9	Training	11/26/04 03:07	11/26/04 05:56			2.82	SR
2004-3.9	Training	11/26/04 19:00	11/26/04 21:00			2.00	PAR
2004-3.9	Training	11/26/04 21:00	11/26/04 23:00			2.00	SR
2004-3.9	Training	11/26/04 23:18	11/27/04 03:00			3.70	Booster
2004-3.9				0.00	0.00	12.93	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-3.10	Training	11/30/04 17:00	11/30/04 19:00			2.00	PAR
2004-3.10	Training	11/30/04 19:00	11/30/04 21:00			2.00	SR
2004-3.10	Training	12/01/04 04:00	12/01/04 05:50			1.83	Booster
2004-3.10	Machine Intervention	12/01/04 08:10	12/01/04 10:40		2.50		Access SR zone A & D
2004-3.10	Training	12/01/04 19:17	12/01/04 20:30			1.22	SR
2004-3.10	Inhibits Training DIN#104867	12/01/04 20:30	12/01/04 23:22	2.87			S29B:H1 and SR Dipole (PS)
2004-3.10	Downtime DIN#104868	12/02/04 03:25	12/02/04 08:00	4.58			S39 horizontal scraper (ME)
2004-3.10	Training	12/02/04 05:00	12/02/04 05:33			0.55	Booster
2004-3.10				7.45	2.50	7.60	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-3.11	Training	12/08/04 05:00	12/08/04 06:45			1.75	Booster/ SR

2004-3.11				0.00	0.00	1.75	
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Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-3.12	Downtime DIN#104874	12/14/04 01:00	12/14/04 01:53	0.88			S21A:Q1 (PS)
2004-3.12				0.88	0.00	0.00	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2004-3.13	Downtime DIN#104877	12/22/04 03:26	12/22/04 06:22	2.93			S38 cavity vacuum due to SR fill pattern (VAC)
2004-3.13	Training	12/22/04 11:07	12/22/04 13:48			2.68	SR console test
2004-3.13	Downtime DIN#104878	12/22/04 16:03	12/22/04 16:19	0.27			SR RF-2 trip (RF)
2004-3.13				3.20	0.00	2.68	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2005-1.1	Downtime DIN#104879	01/25/05 08:00	01/27/05 19:37	59.62			S24 ID front end vacuum leak (XFD-XFE)
2005-1.1	Downtime DIN#104881	01/27/05 22:39	01/28/05 02:07	3.47			PSS trips on RF-1 Rad. Mon. (RF)
2005-1.1	Training	01/29/05 06:30	01/29/05 07:54			1.40	SR
2005-1.1	Training	01/30/05 01:25	01/30/05 03:41			2.27	SR
2005-1.1	Downtime DIN#104882	01/30/05 13:27	01/30/05 15:34	2.12			PSS trips on RF-1 Rad. Mon. (RF)
2005-1.1	Training	01/30/05 17:12	01/30/05 20:15			3.05	Booster
2005-1.1	Training	01/31/05 04:40	01/31/05 07:00			2.33	SR (injecting for the Studiers)
2005-1.1				65.20	0.00	9.05	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2005-1.2	Machine Intervention	02/07/05 16:00	02/07/05 17:00		1.00		Work on IOCS25VP
2005-1.2	Downtime DIN#104887	02/07/05 17:00	02/07/05 18:05	1.08			Work on IOCS25VP (CTL)
2005-1.2	Downtime DIN#104888	02/08/05 00:33	02/08/05 02:44	2.18			B:SD:PS trip and repair (PS)
2005-1.2	Inhibits Training DIN#104888	02/08/05 02:44	02/08/05 04:44	2.00			Inhibits SR training (PS)
2005-1.2				5.27	1.00	0.00	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2005-1.3	Machine Intervention	02/14/05 08:00	02/14/05 11:29		3.48		Access SR zone A&E
2005-1.3	Downtime DIN#104887	02/14/05 12:03	02/14/05 13:18	1.25			S32B:Q1swap (PS), IOCLIC2 reboot (CTL)
2005-1.3	Training	02/14/05 18:04	02/14/05 20:00			1.93	Linac
2005-1.3	Training	02/15/05 11:00	02/15/05 12:43			1.72	SR
2005-1.3	Training	02/15/05 13:00	02/15/05 14:48			1.80	SR
2005-1.3	Training	02/16/05 03:02	02/16/05 04:25			1.38	Booster
2005-1.3				1.25	3.48	6.83	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2005-1.4	Machine Intervention	02/22/05 00:00	02/22/05 02:03		2.05		IOCS39VP work; recalibrate S39 scraper
2005-1.4				0.00	2.05	0.00	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2005-1.5	Downtime DIN#104902	02/28/05 08:00	02/28/05 08:08	0.13			Recovery from power interruption (ComEd)
2005-1.5	Machine Intervention	02/28/05 08:08	02/28/05 17:54		9.77		Access SR; maintenance activities
2005-1.5	Training	02/28/05 21:00	02/28/05 22:00			1.00	SR

2005-1.5	Training	03/01/05 00:00	03/01/05 02:00			2.00	Linac
2005-1.5	Training	03/01/05 08:30	03/01/05 10:10			1.67	Linac
2005-1.5	Training	03/01/05 10:11	03/01/05 12:00			1.82	Booster
2005-1.5	Training	03/02/05 00:00	03/02/05 02:40			2.67	Linac
<b>2005-1.5</b>				<b>0.13</b>	<b>9.77</b>	<b>9.15</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2005-1.6	Training	03/08/05 06:00	03/08/05 07:00			1.00	SR
<b>2005-1.6</b>				<b>0.00</b>	<b>0.00</b>	<b>1.00</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2005-1.7	Machine Intervention	03/14/05 08:09	03/14/05 12:30		4.35		Access SR; maintenance activities
2005-1.7	Training	03/14/05 08:10	03/14/05 10:10			2.00	Linac console test
2005-1.7	Inhibits Training DIN#104908	03/14/05 12:15	03/14/05 13:43	1.47			Inhibits SR training (PS)
2005-1.7	Training	03/14/05 13:43	03/14/05 14:30			0.78	SR
2005-1.7	Downtime	03/15/05 07:30	03/15/05 08:00	0.50			Booster access - replace RF cav#3 flow meter
2005-1.7	Inhibits Training Downtime	03/15/05 08:00	03/15/05 10:00	2.00			Inhibits SR training (Booster access)
2005-1.7	Downtime DIN#104909	03/15/05 10:00	03/15/05 10:20	0.33			Booster extraction pulsed PS fault (PS)
2005-1.7	Training	03/15/05 12:15	03/15/05 13:45			1.50	Linac console test
2005-1.7	Training	03/15/05 20:25	03/15/05 22:05			1.67	SR
<b>2005-1.7</b>				<b>4.30</b>	<b>4.35</b>	<b>5.95</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2005-1.8	Machine Intervention	03/21/05 16:00	03/21/05 18:08		2.13		Access SR; maintenance activities
2005-1.8	Downtime DIN#104913	03/21/05 18:08	03/21/05 22:14	4.10			Bldg. 450 breaker repair (PFS)
2005-1.8	Training	03/22/05 02:45	03/22/05 04:10			1.42	SR
<b>2005-1.8</b>				<b>4.10</b>	<b>2.13</b>	<b>1.42</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2005-1.9	Downtime DIN#104916	03/29/05 00:00	03/29/05 03:45	3.75			SR RF-2 UVC power failure (RF)
2005-1.9	Training	03/29/05 00:39	03/29/05 02:35			1.93	Linac
2005-1.9	Downtime DIN#104916	03/29/05 05:51	03/29/05 08:00	2.15			SR RF-2 UVC power failure (RF)
<b>2005-1.9</b>				<b>5.90</b>	<b>0.00</b>	<b>1.93</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2005-1.10	Machine Intervention	04/04/05 08:00	04/04/05 14:16		6.27		Access Linac, SR; maintenance activities
2005-1.10	Training	04/04/05 14:16	04/04/05 19:07			4.85	SR
2005-1.10	Training	04/05/05 02:00	04/05/05 03:05			1.08	Linac
2005-1.10	Inhibits Training DIN#104923	04/05/05 03:05	04/05/05 04:00	0.92			Inhibits PAR training (PAR PS problem)
2005-1.9	Downtime DIN#104923	04/05/05 04:00	04/05/05 08:39	4.65			PAR PS problem
2005-1.10	Training	04/05/05 15:00	04/05/05 17:09			2.15	SR console test
2005-1.10	Downtime DIN#104924	04/05/05 23:00	04/06/05 00:07	1.12			PAR P:SP problem inhibits SR injection (PS)
2005-1.10	Training	04/05/05 00:07	04/05/05 01:50			1.72	PAR
<b>2005-1.10</b>				<b>6.68</b>	<b>6.27</b>	<b>9.80</b>	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
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2005-1.11	Training	04/12/05 05:44	04/12/05 07:00			1.27	SR
2005-1.11				0.00	0.00	1.27	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2005-1.12				0.00	0.00	0.00	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2005-2.1	Training	05/24/05 12:50	05/24/05 14:33			1.72	PAR
2005-2.1	Downtime DIN#104933	05/24/05 14:33	05/24/05 14:46	0.22			SR RF2 trip (RF)
2005-2.1	Training	05/24/05 14:46	05/24/05 15:00			0.23	PAR
2005-2.1	Training	05/25/05 08:10	05/25/05 10:10			2.00	SR
2005-2.1	Training	05/25/05 10:10	05/25/05 12:10			2.00	PAR
2005-2.1	Downtime DIN#104934	05/25/05 12:03	05/25/05 12:27	0.40			S9A:H3 (PS)
2005-2.1	Machine Intervention	05/27/05 06:42	05/27/05 09:14		2.53		Access SR zone F
2005-2.1	Training	05/27/05 08:00	05/27/05 11:30			3.50	PAR
2005-2.1	Training	05/28/05 06:39	05/28/05 08:00			1.35	SR
2005-2.1	Downtime DIN#104935	05/28/05 22:11	05/29/05 01:17	3.10			L2-L5 correctors (CTL)
2005-2.1	Training	05/29/05 03:32	05/29/05 07:27			3.92	SR
2005-2.1	Machine Intervention	05/29/05 08:14	05/29/05 09:00		0.77		Access SR zone A
2005-2.1	Training	05/30/05 02:55	05/30/05 06:00			3.08	SR
2005-2.1	Training	05/30/05 07:30	05/30/05 09:04			1.57	SR
2005-2.1	Training	05/31/05 09:05	05/31/05 11:00			1.92	SR
2005-2.1	Training	05/31/05 11:00	05/31/05 13:00			2.00	Linac
2005-2.1				3.72	3.30	23.28	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2005-2.2	Training	06/06/05 09:03	06/06/05 11:00			1.95	SR
2005-2.2	Training	06/06/05 11:00	06/06/05 12:00			1.00	Linac
2005-2.2	Downtime DIN#104942	06/06/05 08:55	06/06/05 10:55	2.00			L2-L5 correctors (CTL)
2005-2.2	Training	06/06/05 12:00	06/06/05 13:20			1.33	PAR
2005-2.2	Downtime DIN#104943	06/06/05 22:09	06/06/05 23:15	1.10			S23B:Q5 trip (PS)
2005-2.2	Downtime DIN#104944	06/07/05 07:34	06/07/05 08:00	0.43			S19 absorber circ. Flow (ME)
2005-2.2				3.53	0.00	4.28	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2005-2.3	Machine Intervention	06/14/05 02:00	06/14/05 05:22		3.37		420 RF WG switch #2 repairs
2005-2.3				0.00	3.37	0.00	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2005-2.4	Machine Intervention	06/20/05 08:07	06/20/05 09:30		1.38		Machine intervention activities
2005-2.4	Downtime DIN#104953	06/20/05 09:30	06/20/05 11:18	1.80			S30-ID PSS trip (SI)
2005-2.4	Training	06/20/05 12:02	06/20/05 14:00			1.97	Linac
2005-2.4	Downtime DIN#104954	06/20/05 15:00	06/20/05 17:55	2.92			Failed encoder at 231D (XFD-FE)
2005-2.4	Downtime DIN#104955	06/21/05 03:28	06/21/05 06:20	2.87			S11B:Q5 (PS) and human error (Ops)
2005-2.4				7.58	1.38	1.97	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2005-2.5	Machine Intervention	06/28/05 04:34	06/28/05 07:00		2.43		Machine intervention activities
2005-2.5	Downtime DIN#104960	06/28/05 07:00	06/28/05 08:00	1.00			Booster access to repair water leak (ME)
2005-2.5				1.00	2.43	0.00	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2005-2.6	Training	07/04/05 09:00	07/04/05 11:00			2.00	PAR
2005-2.6	Training	07/04/05 12:00	07/04/05 13:43			1.72	SR
2005-2.6	Downtime DIN#104963	07/04/05 23:26	07/05/05 00:23	0.95			SR RF-3 trip (RF)
2005-2.6	Training	07/05/05 02:22	07/05/05 06:00			3.63	SR
2005-2.6	Machine Intervention	07/05/05 06:00	07/05/05 07:59		1.98		Access D&E
2005-2.6	Downtime DIN#104964	07/05/05 07:13	07/05/05 14:06	6.88			BRF-5 mod anode regulator fault (RF)
2005-2.6	Training	07/05/05 09:10	07/05/05 10:52			1.70	SR
2005-2.6	Downtime DIN#104965	07/05/05 17:43	07/05/05 17:55	0.20			BRF-5 beam control current dropout (RF)
2005-2.6				8.03	1.98	9.05	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2005-2.7	Machine Intervention	07/11/05 16:08	07/11/05 16:45		0.62		Connect scope to SR RF4 (RF)
2005-2.7	Training	07/11/05 20:00	07/11/05 22:00			2.00	PAR
2005-2.7	Downtime DIN#104969	07/11/05 04:26	07/11/05 05:15	0.82			S25A:Q2 trip (PS)
2005-2.7				0.82	0.62	2.00	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2005-2.8	Machine Intervention	07/18/05 10:33	07/18/05 18:45		8.20		Access Linac, Booster, SR, and other activities
2005-2.8	Training	07/18/05 20:36	07/18/05 22:00			1.40	SR
2005-2.8	Training	07/19/05 00:40	07/19/05 02:13			1.55	Booster
2005-2.8	Training	07/19/05 07:40	07/19/05 09:00			1.33	SR
2005-2.8	Training	07/19/05 09:09	07/19/05 11:00			1.85	Linac
2005-2.8	Downtime DIN#104980	07/19/05 17:04	07/19/05 21:16	4.20			Linac BESOCM (DIA)
2005-2.8	Downtime DIN#104981	07/19/05 21:58	07/19/05 22:35	0.62			Linac BESOCM (DIA)
2005-2.8	Training	07/20/05 04:40	07/20/05 06:20			1.67	Booster
2005-2.8	Downtime DIN#104982	07/20/05 05:10	07/20/05 06:15	1.08			S23A:V4 (PS)
2005-2.8				5.90	8.20	7.80	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2005-2.9	Training	07/26/05 00:25	07/26/05 02:34			2.15	SR
2005-2.9	Downtime DIN#104989	07/26/05 04:40	07/26/05 06:05	1.42			S23B:Q5 (PS)
2005-2.9				1.42	0.00	2.15	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2005-2.10	Machine Intervention	08/01/05 08:06	08/01/05 13:00		4.90		Access Linac, Booster, SR, and other activities
2005-2.10	Training	08/01/05 12:00	08/01/05 13:12			1.20	PAR console
2005-1.10	Inhibits Training DIN#104991	08/01/05 13:00	08/01/05 15:10	2.17			Inhibits Linac/PAR training (Linac BESOCM problem)
2005-2.10	Downtime DIN#104991	08/01/05 15:10	08/01/05 17:24	2.23			Linac BESOCM (DIA)
2005-2.10	Training	08/02/05 07:25	08/02/05 09:00			1.58	Linac
2005-2.10	Training	08/02/05 09:29	08/02/05 10:30			1.02	PAR console
2005-2.10				4.40	4.90	3.80	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2005-2.11	Training	08/09/05 05:05	08/09/05 07:00			1.92	SR console
2005-2.11				0.00	0.00	1.92	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2005-2.12	Training	08/15/05 16:10	08/15/05 18:45			2.58	Booster
2005-2.12	Downtime DIN#104998	08/16/05 01:07	08/16/05 01:34	0.45			S26ds gap (XFD-XFE)
2005-2.12				0.45	0.00	2.58	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	Training	
2005-2.13	Machine Intervention	08/26/05 08:07	08/26/05 08:05		1.97		Machine intervention activities
2005-2.13	Training	08/26/05 03:00	08/26/05 04:55			1.92	Booster
2005-2.13				0.00	1.97	1.92	