

FY 2017 Machine Studies Breakdown (through Run 2017-2)

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	
2016-3.1	Downtime DIN#106555	9/26/2016 15:54	9/29/2016 9:37	65.72		water leak into vacuum at L5 (RF)
2016-3.1	Downtime DIN#106556	9/29/2016 10:03	9/29/2016 15:38	5.58		Linac tuneup after L5 repairs (AOP)
2016-3.1	Downtime DIN#106557	10/1/2016 22:02	10/1/2016 22:49	0.78		S36 RF cavity #4 C/C Gauge trip (RF)
2016-3.1	Downtime DIN#106558	10/2/2016 11:08	10/2/2016 11:43	0.58		Injector efficiency dropout & tuneup (AOP)
2016-3.1	Machine Intervention	10/3/2016 10:00	10/3/2016 13:00		3.00	Maintenance activities
TOTAL				72.67	3.00	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	
2016-3.2	Machine Intervention					
TOTAL				0.00	0.00	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	
2016-3.3	Machine Intervention	10/17/2016 9:35	10/17/2016 16:45		7.17	Maintenance activities, access zone F
2016-3.3	Downtime DIN#106582	10/17/2016 22:27	10/17/2016 22:44	0.28		Radiation monitor trip, L2 recovery (RF)
TOTAL				0.28	7.17	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	
2016-3.4	Machine Intervention	10/24/2016 9:30	10/24/2016 12:00		2.50	Maintenance activities
2016-3.4	Downtime DIN#106587	10/24/2016 12:00	10/24/2016 13:56	1.93		SR power supply issues (PS)
TOTAL				1.93	2.50	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	
2016-3.5	Machine Intervention	10/31/2016 9:35	10/31/2016 12:43		3.13	Maintenance activities
2016-3.5	Downtime DIN#106598	10/31/2016 16:00	11/2/2016 8:00	40.00		Poor injection in the SR (PS)
TOTAL				40.00	3.13	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	
2016-3.6	Machine Intervention	11/7/2016 9:30	11/7/2016 12:14		2.73	Maintenance activities, access zone A
TOTAL				0.00	2.73	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	
2016-3.7	Machine Intervention	11/14/2016 9:32	11/14/2016 11:55		2.38	Maintenance activities, access zone A
TOTAL				0.00	2.38	

Studies Period			Start Time	Stop Time	Downtime	Machine Intervention		
2016-3.8	Machine Intervention							
TOTAL					0.00	0.00		

Studies Period			Start Time	Stop Time	Downtime	Machine Intervention		
2016-3.9	Machine Intervention		12/5/2016 9:19	12/5/2016 15:00		5.68		Maintenance activities, access zone A&F
2016-3.9	Downtime DIN#106625		12/5/2016 15:00	12/5/2016 16:42	1.70			LTP:Q1 fault (PS)
2016-3.9	Downtime DIN#106626		12/5/2016 18:00	12/5/2016 18:27	0.45			SR IOC issues (CTL)
TOTAL					2.15	5.68		

Studies Period			Start Time	Stop Time	Downtime	Machine Intervention		
2016-3.10	Machine Intervention		12/12/2016 9:20	12/12/2016 13:00		3.67		Maintenance activities
2016-3.10	Downtime DIN#106627		12/12/2016 14:00	12/12/2016 14:34	0.57			SR process water pump switch (MOM)
TOTAL					0.57	3.67		

Studies Period			Start Time	Stop Time	Downtime	Machine Intervention		
2016-3.11	Machine Intervention							
TOTAL					0.00	0.00		

Studies Period			Start Time	Stop Time	Downtime	Machine Intervention		
2017-1.1	Downtime DIN#106629		1/24/2017 18:57	1/24/2017 19:17	0.33			Gun inhibit due to studies (RF)
2017-1.1	Downtime DIN#106630		1/25/2017 10:23	1/25/2017 14:02	3.65			Multiple water pump trips (MOM)
2017-1.1	Downtime DIN#106631		1/30/2017 12:00	1/30/2017 15:19	3.32			BSS #6 button issue in SR zone A (SI)
2017-1.1	Downtime DIN#106632		1/31/2017 5:37	1/31/2017 6:00	0.38			RF2 trip (RF)
TOTAL					7.68	0.00		

Studies Period			Start Time	Stop Time	Downtime	Machine Intervention		
2017-1.2	Machine Intervention		2/6/2017 9:56	2/6/2017 12:32		2.60		Maintenance activities, access zone F
TOTAL					0.00	2.60		

Studies Period			Start Time	Stop Time	Downtime	Machine Intervention		
2017-1.3	Machine Intervention		2/13/2017 9:19	2/13/2017 13:51		4.53		Maintenance activities, access zone Lina/PAR and zone D
TOTAL					0.00	4.53		

Studies Period			Start Time	Stop Time	Downtime	Machine Intervention		
207-1.4	Downtime DIN#106649		2/20/2017 8:56	2/20/2017 14:05	5.15			24-ID rotary encoder issue in SR zone D (MD)
TOTAL					5.15	0.00		

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	
2017-1.5	Machine Intervention	2/27/2017 9:33	2/27/2017 12:41		3.13	Maintenance activities, access Linac/PAR
2017-1.5	Downtime DIN#106651	2/27/2017 13:56	2/27/2017 17:25	3.48		Linac access to troubleshoot gate valve issue (MOM)
TOTAL				3.48	3.13	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	
2017-1.6	Machine Intervention	3/6/2017 9:26	3/6/2017 13:10		3.73	Maintenance activities, access PAR & zone A
TOTAL				0.00	3.73	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	
2017-1.7	Machine Intervention	3/13/2017 9:18	3/13/2017 12:03		2.75	Maintenance activities, access zone B
TOTAL				0.00	2.75	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	
2017-1.8	Machine Intervention	3/20/2017 9:25	3/20/2017 11:44		2.32	Maintenance activities, access Booster
TOTAL				0.00	2.32	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	
2017-1.9	Machine Intervention	3/27/2017 8:32	3/27/2017 13:29		4.95	Maintenance activities, access zone D & F
2017-1.9	Downtime DIN#106657	3/27/2017 13:30	3/27/2017 14:43	1.22		DG535 issue (CTL)
TOTAL				1.22	4.95	

Studies Period		Start Time	Stop Time	Downtime	Machine Intervention	
2017-1.10	Machine Intervention	4/3/2017 9:42	4/3/2017 13:55		4.22	Maintenance activities
TOTAL				0.00	4.22	

2017-2.6	Downtime DIN#106682	7/5/2017 7:37	7/5/2017 8:00	0.38		S38 RF cavity tuning issue (RF)
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2017-2.9	Downtime DIN#106691	7/24/2017 12:54	7/24/2017 19:29	6.58		Datapool IOC issue (CTL)
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Studies Period			Start Time	Stop Time	Downtime	Machine Intervention	Training	
2017-2.1	Machine Intervention		5/25/2017 7:34	5/25/2017 14:00		6.43		Maintenance activities; access Linac, Zone A & F
2017-2.1	Training		5/26/2017 1:51	5/26/2017 3:10			1.32	Linac / PAR operator training
2017-2.1	Downtime DIN#106657		5/29/2017 9:26	5/31/2017 8:00	46.57			Vacuum leak in S27 (MOM)
TOTAL					46.57	6.43	1.32	

Studies Period			Start Time	Stop Time	Downtime	Machine Intervention	Training	
2017-2.2	Machine Intervention		6/5/2017 9:20	6/5/2017 13:09		3.82		Maintenance activities; access zone D
2017-2.2	Training		6/5/2017 10:00	6/5/2017 10:45			0.75	Linac / PAR operator training
TOTAL					0.00	3.82	0.75	

Studies Period			Start Time	Stop Time	Downtime	Machine Intervention	Training	
2017-2.3	Machine Intervention		6/12/2017 9:17	6/12/2017 11:05		1.80		Maintenance activities; access zone D
TOTAL					0.00	1.80	0.00	

Studies Period			Start Time	Stop Time	Downtime	Machine Intervention	Training	
2017-2.4	Machine Intervention		6/19/2017 9:14	6/19/2017 11:57		2.72		Maintenance activities; access Linac, Zone A & F
2017-2.4	Downtime DIN#106677		6/19/2017 11:57	6/19/2017 12:31	0.57			IOC issues (CTL)
TOTAL					0.57	2.72	0.00	

Studies Period			Start Time	Stop Time	Downtime	Machine Intervention	Training	
2017-2.5	Machine Intervention		6/26/2017 9:30	6/26/2017 11:55		2.42		Maintenance activities
2017-2.5	Training		6/27/2017 2:12	6/27/2017 4:13			2.02	PAR operator training
2017-2.5	Training		6/28/2017 3:09	6/28/2017 4:06			0.95	PAR operator training
TOTAL					0.00	2.42	2.97	

Studies Period			Start Time	Stop Time	Downtime	Machine Intervention	Training	
2017-2.6	Machine Intervention		7/4/2017 8:12	7/4/2017 11:27		3.25		Access in Zone D to investigate a water leak
2017-2.6	Training		7/4/2017 17:45	7/4/2017 19:45			2.00	PAR operator training
2017-2.6	Downtime DIN#106682		7/5/2017 7:37	7/5/2017 8:00	0.38			S38 RF cavity #3 tuning issue (RF)
TOTAL					0.38	3.25	2.00	

Studies Period			Start Time	Stop Time	Downtime	Machine Intervention	Training	
2017-2.7	Machine Intervention		7/10/2017 9:20	7/10/2017 12:31		3.18		Maintenance activities; access Zone D & F
TOTAL					0.00	3.18	0.00	

Studies Period			Start Time	Stop Time	Downtime	Machine Intervention	Training	
2017-2.8	Machine Intervention		7/17/2017 9:20	7/17/2017 12:06		2.77		Maintenance activities; access Booster, Zone F
TOTAL					0.00	2.77	0.00	

Studies Period			Start Time	Stop Time	Downtime	Machine Intervention	Training	
2017-2.9	Machine Intervention		7/24/2017 9:35	7/24/2017 12:54		3.32		Maintenance activities
2017-2.9	Downtime DIN#106691		7/24/2017 12:54	7/24/2017 19:29	6.58			RT feedback issue (CTL)
TOTAL					6.58	3.32	0.00	