

Listing of Fills for Run 2000-3

Total Amount of User Time in this interval 1264.15 Hours

User periods in this interval

```

-----
08/03/2000 08:00 To 08/08/2000 08:00 120.00 Hours
08/08/2000 16:00 To 08/15/2000 08:00 160.00 Hours
08/15/2000 16:00 To 08/22/2000 08:00 160.00 Hours
08/22/2000 16:00 To 08/29/2000 08:00 160.00 Hours
08/29/2000 16:00 To 09/04/2000 08:00 136.00 Hours
09/06/2000 08:00 To 09/12/2000 08:00 144.00 Hours
09/12/2000 16:00 To 09/18/2000 08:00 136.00 Hours
09/20/2000 08:00 To 09/26/2000 08:10 144.15 Hours
09/26/2000 16:00 To 09/30/2000 24:00 104.00 Hours
    
```

```

Delivered Beam                1109.46 Hours
Percentage of Scheduled Time   87.76 %
Downtime During Period        139.14 Hours
Percentage of scheduled time SR current > 10 ma 91.84 %
Average Delivered Current During This Period    79.32 ma
Total integrated Current During This Period     89.23 A-hr
    
```

```

Mean Time Between Faults (MTBF)      32.63 Hours
Faults per Day of Delivered Beam     0.74
    
```

Valid fills Beginning in this Time Interval				Reason for	Length	Downtime is associated with the end of a fill.
Fill#	Start	End	Duration	Fill Termination	of	The first fill of a period will have any
					Downtime	downtime before the fill on the line above.
# 2	08/04 17:00	To 08/05 20:19	27.33	rf3 circ fault [RF]	33.00	S36 rf cavity vacuum problems
# 7	08/05 21:03	To 08/06 08:28	11.41	S36 cav vac prob [VAC]	0.74	recovery
					47.52	repair - recovery
# 8	08/09 23:45	To 08/10 07:59	8.20	rf PS trip [RF]	31.75	
# 14	08/10 08:38	To 08/11 20:00	35.36	Vac burst, S36rf [VAC]	0.66	recovery
# 19	08/11 20:27	To 08/12 19:56	23.48	PS problem, sec 2-3 [PS]	0.44	recovery
# 22	08/12 20:38	To 08/15 08:00	59.35	Int Dump: End of Period	0.69	recovery, ID gap problem
					0.00
# 27	08/15 16:36	To 08/17 06:50	38.23	lightning strike [OTH]	0.59	rf3 circ load PSS trip
# 29	08/17 07:27	To 08/17 08:06	0.66	rad mon, BPLD rf [OTH]	0.62	recovery
# 34	08/17 08:25	To 08/21 09:53	97.47	Beam Motion [PS]	0.31	recovery
# 40	08/21 10:42	To 08/22 08:00	21.30	Int Dump: End of Period	0.81	recovery
					0.00	
# 42	08/22 16:00	To 08/23 00:02	8.02	S26 MPS trip [CTL]	0.00	
# 43	08/23 00:59	To 08/23 14:11	13.21	S26 MPS trip [CTL]	0.95	recovery, 14 & 3 ID gaps, B:BM, L5:MO1
# 47	08/23 14:56	To 08/25 16:24	49.47	S25B:V3 set point [PS]	0.75	recovery
# 51	08/25 16:52	To 08/26 07:25	14.55	34ID EPS/PSS trip [ISI]	0.46	recovery
# 53	08/26 09:05	To 08/28 03:27	42.36	SR rf1 trip [RF]	1.67	recovery
					0.56	recovery, slow gap opening, 14ID

# 57	08/28 04:01	To	08/29 07:59	27.98	Int Dump: End of Period	0.00

# 66	08/29 16:01	To	09/01 08:10	64.15	rf3 trip [RF]	0.02
# 70	09/01 08:39	To	09/01 11:40	3.02	SR dipole S8-9 trip[OTH]	0.48 recovery
# 71	09/01 12:55	To	09/01 16:07	3.21	RF1 T/R nitrogen [RF]	1.24 standardize, recover
# 72	09/01 17:08	To	09/01 17:43	0.58	Beam Motion rf4 [RF]	1.01 recovery, waveguide switch
# 73	09/01 18:21	To	09/02 07:22	13.01	Beam Motion rf4 [RF]	0.65 recovery
# 75	09/02 09:20	To	09/02 10:12	0.88	Beam motion rf4 [RF]	1.97 subsequent trips, recovery
# 79	09/02 13:00	To	09/04 07:59	42.99	Int Dump: End of Period	2.80 waveguide switch, recovery

# 82	09/06 08:00	To	09/06 19:44	11.73	Dump for purity [OPS]	0.00
# 83	09/06 20:05	To	09/07 13:48	17.71	PSS trip at 7ID [ISI]	0.35 refill
# 86	09/07 14:50	To	09/08 02:24	11.57	S31B:V3 set point [PS]	1.04 recovery
# 88	09/08 02:49	To	09/09 01:09	22.33	S18B:Q1 glitch [PS]	0.42 recovery
# 90	09/09 01:47	To	09/09 03:47	1.99	S18B:Q1 glitch [PS]	0.63 recovery
# 92	09/09 04:18	To	09/10 11:59	31.68	replace S25A:S4 [PS]	0.53 recovery
# 94	09/10 13:08	To	09/10 16:13	3.09	SRrf3 HVPS trip [RF]	1.14 converter replacement, recovery
# 96	09/10 17:11	To	09/12 07:59	38.81	Int Dump: End of Period	0.96 troubleshoot, recover

# 99	09/12 16:16	To	09/13 04:01	11.75	Bad MPS module [CTL]	0.27 waveguide switch from rf4
#101	09/13 07:25	To	09/13 10:04	2.64	Reboot RFSourceIOC [CTL]	3.40 repair/recovery
#102	09/13 11:10	To	09/14 00:38	13.46	S17A:Q4 set pnt [PS]	1.10 recovery, restart linac
#105	09/14 01:22	To	09/15 11:42	34.33	unknown beam motion[OTH]	0.74 recovery
#111	09/15 12:17	To	09/18 07:59	67.69	Int Dump: End of Period	0.59 recovery

#119	09/20 08:01	To	09/21 02:40	18.65	VM-36-VV02 closed [CTL]	0.00
#123	09/21 03:25	To	09/22 22:35	43.16	S36A:V3 USDac [PS]	0.76 recovery, Problems with opening ID20 Gap
#129	09/23 05:27	To	09/25 10:24	52.95	Cur. drop to 15ma [OTH]	6.87 RF S40-3 tuner stuck, rf3 circulator PSS trips
#132	09/25 16:04	To	09/26 08:09	16.09	Int Dump: End of Period	5.66 recover from linac access, Par kicker problems

#135	09/26 16:00	To	09/30 23:49	103.82	PSS Trip [ISI]	0.00
						0.15 end of run

Additional Downtime was assessed, and accounted for in statistics presentations, when the MCR had to open Insertion Device Gaps because of problems with Input-Output Controllers (IOCs) During the run, this occurred once accounting for an additional .33 hours of downtime assessed to the Controls Group.

8/26/2000 2:44 8/26/2000 3:04 0.33 Reboot of iocsl1bpm