

Listing of Fills for Run2000-1

Total Amount of User Time in this interval 1510.94 Hours

User periods in this interval

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01/19/2000 08:01 To 01/25/2000 08:00 143.99 Hours
01/25/2000 16:00 To 01/31/2000 08:00 136.00 Hours
02/02/2000 08:00 To 02/08/2000 08:00 144.00 Hours
02/08/2000 16:01 To 02/14/2000 08:00 135.98 Hours
02/16/2000 08:00 To 02/22/2000 08:02 144.02 Hours
02/22/2000 16:00 To 02/28/2000 08:00 136.00 Hours
03/01/2000 08:01 To 03/07/2000 08:00 143.99 Hours
03/07/2000 16:01 To 03/13/2000 08:00 135.98 Hours
03/15/2000 08:01 To 03/21/2000 08:00 143.98 Hours
03/21/2000 16:00 To 03/27/2000 08:00 135.99 Hours
03/29/2000 08:00 To 04/03/2000 00:00 111.00 Hours
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Delivered Beam                1462.36 Hours
Percentage of Scheduled Time   96.78 %
Downtime During Period         48.58 Hours
Percentage of scheduled time SR current > 10 ma 97.55 %
Average Delivered Current During This Period    81.72 ma
Total integrated Current During This Period     119.50 A-hr
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Data from an on going fill (if one exists) is not used in Fill length calculations.

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Mean Fill Duration in Period      40.62 Hours
Mean Fill Duration from Poisson Fit 49.38 Hours
Mean Time Between Faults (MTBF)   41.78 Hours
Faults per Day of Delivered Beam   0.57
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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	01/19 11:06	To 01/20 09:03	21.96	SR Dipole glitch [OTH]	3.09	power glitch, rad monitor, orbit problems	
# 4	01/20 09:58	To 01/20 13:52	3.90	SR Dipole glitch [OTH]	0.92	recovery, restandardization	
# 6	01/20 14:33	To 01/21 16:04	25.52	PSS trip [ISI]	0.67	recovery	
# 8	01/21 18:22	To 01/22 11:23	17.02	S17B:Q3 trip [PS]	2.30	investigation, recovery, rf system problems	
# 12	01/22 13:25	To 01/25 08:00	66.57	Int Dump: End of Period	2.04	subsequent problems with S17B:Q3, booster dip supply	
-----						0.01	
# 17	01/25 16:32	To 01/26 07:44	15.20	WF dump for phase [OPS]	0.54	rf personnel rad monitor problems	
# 18	01/26 08:00	To 01/27 01:56	17.93	S24/25 R2 Raw trip [PS]	0.26	refill	
						0.59	recovery

# 22	01/27 02:31	To 01/28 14:54	36.39	h2o glitch trip ps [PS]	1.14 recovery
# 24	01/28 16:03	To 01/29 15:08	23.09	Unknown beam motion[OTH]	0.78 recovery?
# 26	01/29 15:55	To 01/30 06:15	14.33	Power glitch [OTH]	1.22 recovery
# 27	01/30 07:28	To 01/30 10:13	2.74	power glitch [OTH]	6.78 recovery, L1 modulator problems
# 28	01/30 16:59	To 01/31 08:00	15.00	Int Dump: End of Period	0.01

# 32	02/02 08:01	To 02/03 14:56	30.92	PSS trip at 2-BM [ISI]	1.70 recovery
# 34	02/03 16:38	To 02/03 17:26	0.80	PSS trip at 20-BM [ISI]	1.23 recovery
# 38	02/03 18:40	To 02/07 11:00	88.34	PS related work [PS]	0.49 recovery
# 45	02/07 11:30	To 02/08 07:59	20.50	Int Dump: End of Period	0.02

# 48	02/08 16:01	To 02/10 09:51	41.83	Com Ed powerGlitch [OTH]	0.65 recovery
# 51	02/10 10:30	To 02/10 14:52	4.38	rf PSS trip [RF]	1.00 recovery, problem with rf-gun
# 53	02/10 15:53	To 02/11 10:06	18.23	Beam motion [OAG]	1.70 investigation and recovery
# 57	02/11 11:49	To 02/13 11:48	47.98	rf3 trip [RF]	0.56 recovery
# 61	02/13 12:21	To 02/14 08:00	19.65	Int Dump: End of Period	0.00

# 66	02/16 09:43	To 02/18 07:47	46.07	P0 timing problem [CTL]	1.71 Problems with S38:BQ5, converter replacement
# 68	02/18 08:07	To 02/18 10:13	2.11	srrf IG fault [VAC]	0.33 recovery
# 69	02/18 10:30	To 02/18 12:50	2.33	srrf IG fault [VAC]	0.28 recovery
# 71	02/18 15:41	To 02/19 01:26	9.75	ACIS trip [CTL]	2.86 replacement of IG controllers
# 75	02/19 04:14	To 02/21 13:40	57.44	Not identifiable [OTH]	2.79 recovery, reboot of iocs39vp, recal of scrapers
# 79	02/21 14:21	To 02/22 08:01	17.66	Int Dump: End of Period	0.68 recovery

# 82	02/22 16:01	To 02/24 01:08	33.12	Power glitch [OTH]	0.02
# 85	02/24 02:04	To 02/24 19:45	17.69	Scrapper problem [DIA]	0.93 recovery
# 87	02/24 20:36	To 02/25 21:11	24.57	File Problem [CTL]	0.85 recovery
# 89	02/25 21:45	To 02/26 07:42	9.95	rf4 pow mon flt [RF]	0.57 recovery, controls problems
# 91	02/26 08:12	To 02/27 10:22	26.17	Power glitch [OTH]	0.49 recovery, linac gun problem
# 94	02/27 11:41	To 02/28 08:00	20.32	Int Dump: End of Period	1.32 recovery

# 99	03/01 08:01	To 03/06 01:14	113.22	S30A:Q2 lost output [PS]	0.00
#105	03/06 01:40	To 03/06 13:20	11.66	8BM EPS/PSS work [ISI]	0.43 recovery
#108	03/06 14:10	To 03/07 08:00	17.83	Int Dump: End of Period	0.84 recovery, RG2 kicker problems

#109	03/07 16:12	To 03/07 18:48	2.61	rf PSS fault [RF]	0.01
#112	03/07 19:31	To 03/10 14:43	67.20	VM-09-VV02 closed [CTL]	0.19
#119	03/10 15:39	To 03/13 08:00	64.35	Int Dump: End of Period	0.71 recovery

#127	03/15 08:01	To	03/20 20:07	132.11	S40/1 raw PS trip [PS]	0.00	
						2.55	trouble shooting, recovery
#134	03/20 22:40	To	03/21 08:00	9.33	Int Dump: End of Period	0.00	

#135	03/21 16:01	To	03/22 19:25	27.39	SRF4 kly out arc [RF]	0.02	
						0.82	recovery, restandardization of SR quads
#138	03/22 20:14	To	03/24 07:48	35.57	wf most bnches lost[OTH]	0.96	recovery, ioc reboots
#139	03/24 08:46	To	03/24 15:01	6.26	love cntrl pwr [CTL]	0.58	recovery
#141	03/24 15:36	To	03/27 08:00	64.39	Int Dump: End of Period	0.01	

#145	03/29 08:00	To	04/02 24:00	110.99	Int Dump: End of Period	0.00	
						0.01	

Additional Downtime was assessed, and accounted for in other statistics presentations, when the MCR had to open all Insertion Device Gaps because of problems with Input-Output Controllers (IOCs) for the Storage Ring Power Supplies. During the run, this occurred twice accounting for an additional .68 hours of downtime assessed to the Controls Group.

2/21/00 06:04	2/21/00 06:21	0.28	Reboot of iocs39vp
3/19/00 21:10	3/19/00 21:34	0.40	Reboot of iocs39vp