

Listing of Statistics for Run5-1998

Total Amount of User Time in this interval 1093.62 Hours

User periods in this interval

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10/22/1998 08:00 To 10/27/1998 08:05 121.08 Hours
10/27/1998 16:00 To 11/02/1998 08:00 136.00 Hours
11/04/1998 08:01 To 11/10/1998 08:00 143.99 Hours
11/10/1998 16:00 To 11/16/1998 08:00 136.00 Hours
11/18/1998 08:00 To 11/24/1998 08:07 144.11 Hours
11/24/1998 16:01 To 11/30/1998 08:05 136.07 Hours
12/02/1998 08:01 To 12/08/1998 08:01 144.00 Hours
12/08/1998 16:02 To 12/14/1998 04:25 132.37 Hours
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Delivered Beam                987.39 Hours
Percentage of Scheduled Time   90.29 %
Downtime During Period         106.23 Hours
Percentage of scheduled time SR current > 10 ma 92.87 %
Average Delivered Current During This Period 80.27 ma
Total integrated Current During This Period 79.25 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      20.15 Hours
Mean Fill Duration from Poisson Fit 23.57 Hours
Mean Time Between Faults (MTBF)   20.15 Hours
Faults per Day of Delivered Beam   1.19
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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.
# 1 10/22 08:00 To 10/22 16:00 8.00	rf#2 IG fault [RF]	0.00	
# 2 10/22 17:00 To 10/23 07:45 14.76	Int Refill: Low Current	0.99	5ID BPLD trip, rf4 HVPS trip
# 4 10/23 10:39 To 10/23 14:08 3.47	trim PS osc. [PS]	2.91	rf IG and PS comm, rf ctls prblm S4,5 Raw 2,3 trip
# 5 10/23 14:39 To 10/24 07:45 17.10	Int Refill: Low Current	0.52	rf trip with fault
# 6 10/24 08:14 To 10/24 09:10 0.92	ops error, training[OPS]	0.49	BPLD trip and rf IG trip while filling
# 7 10/24 09:37 To 10/25 01:33 15.94	33ID BPLD trip [RF]	0.46	rf trips on IG
# 8 10/25 10:41 To 10/25 14:38 3.94	rf2 S37#1 IG Flt. [RF]	10.13	sr rf trips on IG, PAR rf down for most of dt
# 9 10/25 15:00 To 10/25 17:11 2.19	S39B:V3:PS set pnt [PS]	0.37	recovery
# 10 10/25 17:39 To 10/25 19:59 2.33	rf1 Kly Out Arc [RF]	0.47	rf trip on IG, recovery
# 11 10/25 20:19 To 10/25 22:51 2.53	S15B:V3:PS set pnt [PS]	0.34	recovery
# 12 10/25 23:19 To 10/26 07:45 8.43	Int Refill: Low Current	0.47	recovery
# 13 10/26 07:59 To 10/26 09:30 1.52	S25B:Q2 trip [PS]	0.24
# 14 10/26 10:51 To 10/26 13:43 2.86	Flag inserted [OTH]	1.36	converter swap
# 15 10/26 14:18 To 10/27 08:00 17.69	Int Dump: End of Period	0.59	rf trips on IG
		0.08

# 16	10/27 16:31	To 10/28 07:45	15.23	Int Refill: Low Current	0.52mps Love controller, PS work
# 17	10/28 07:59	To 10/29 02:06	18.11	19BM EPS trip [XFD]	0.24
# 19	10/29 05:59	To 10/29 20:31	14.54	S39BQ2 trip [PS]	3.88 repair of 19BM EPS Love Controller
# 20	10/29 22:47	To 10/30 07:45	8.97	Int Refill: Low Current	2.26 replace converter, inj slow due to BESOCM prob
# 21	10/30 07:56	To 10/30 15:02	7.10	S40B:P4 ver BPM [DIA]	0.19
# 22	10/30 15:34	To 10/31 06:20	14.76	S1B:Q2PS trip [PS]	0.53 recovery
# 23	10/31 06:37	To 11/01 07:45	25.12	Int Refill: Low Current	0.30
# 24	11/01 07:52	To 11/02 08:00	24.13	Int Dump: End of Period	0.12
# 25	11/04 08:01	To 11/05 01:34	17.55	rad monitor trip [OTH]	0.01
# 26	11/05 02:00	To 11/05 07:45	5.75	Int Refill: Low Current	0.00
# 27	11/05 08:16	To 11/05 13:55	5.65	rf2 Coll H2O Flow [RF]	0.44 recovery, reinject after poor timing group
# 28	11/05 14:44	To 11/05 15:41	0.95	S9A:H3:PS set point [PS]	0.51
# 29	11/05 16:24	To 11/06 02:31	10.11	P0 lost [CTL]	0.81 rf trip while turning back on, Booster rf
# 30	11/06 02:49	To 11/06 07:45	4.94	Int Refill: Low Current	0.72 recovery
# 31	11/06 07:52	To 11/07 01:18	17.44	PSS trip at 2BM [XFD]	0.30
# 32	11/07 06:59	To 11/08 04:11	21.20	SRF-3 LLRF trip [RF]	0.11
# 33	11/08 04:50	To 11/09 07:46	26.92	Int Refill: Low Current	5.68 rf2 andrf controls problems
# 34	11/09 07:58	To 11/09 15:05	7.12	RF PSS, rad mon3 [RF]	0.66 recovery
# 35	11/09 15:46	To 11/10 08:00	16.24	Int Dump: End of Period	0.20
# 38	11/10 16:58	To 11/10 20:44	3.76	S36 IG fault [RF]	0.20
# 40	11/11 17:05	To 11/12 02:00	8.91	rf IG fault [RF]	0.97 recovery from studies, orbit control problems
# 42	11/12 03:19	To 11/12 07:15	3.93	rf3 IG fault [RF]	20.36 L1 modulator repair, PSS trip at ID-01, recovery
# 45	11/12 14:47	To 11/13 07:46	16.99	Int Refill: Low Current	1.32 subsequent rf IG faults
# 46	11/13 07:59	To 11/13 14:24	6.42	S9A:H3 trip [PS]	7.53 troubleshoot and fix (blank off) cavity 36-2 problem
# 47	11/13 16:01	To 11/14 07:45	15.72	Int Refill: Low Current	0.21
# 48	11/14 07:52	To 11/15 07:44	23.88	Int Refill: Low Current	1.63 converter swap, slow injection rate, injectors
# 49	11/15 07:57	To 11/16 08:00	24.04	Int Dump: End of Period	0.12
# 50	11/18 08:00	To 11/19 07:45	23.74	Int Refill: Low Current	0.21
# 51	11/19 07:54	To 11/20 06:38	22.72	rf3 trip [RF]	0.00
# 52	11/20 07:15	To 11/21 07:44	24.49	Int Refill: Low Current	0.16
# 53	11/21 11:01	To 11/22 01:42	14.67	rf1 trip [RF]	0.63 recovery
# 54	11/22 02:18	To 11/22 07:45	5.45	Int Refill: Low Current	3.28 S37 cavity 2 problems
# 55	11/22 08:04	To 11/23 07:45	23.68	Int Refill: Low Current	0.60 recovery
# 56	11/23 07:57	To 11/23 08:35	0.64	rf3 trip 36-1 tuner [RF]	0.33
# 57	11/23 11:07	To 11/23 17:45	6.63	S15B:V3 trip [PS]	0.20
# 58	11/23 18:47	To 11/24 02:04	7.29	S1B:Q2 trip [PS]	2.53 trouble shooting, recovery
# 59	11/24 04:37	To 11/24 08:05	3.47	Int Dump: End of Period	1.03 tuning problems withrf cavity 36-1
					2.54 converter swap, problems tuning cavities 36-1, 37-2
					0.04
					0.11 rf2 trip while filling

# 60	11/24 16:07	To 11/24 17:18	1.18	rf2 HVPS trip [RF]	0.34 recovery
# 61	11/24 17:39	To 11/25 07:45	14.10	Int Refill: Low Current	0.75 pump swapping during refill
# 62	11/25 08:30	To 11/25 11:53	3.39	S6A:Q2 trip [PS]	0.72 rf2 to rf3 waveguide swap, e-gun, recovery
# 63	11/25 12:36	To 11/26 07:45	19.14	Int Refill: Low Current	0.16
# 64	11/26 07:54	To 11/27 07:45	23.85	Int Refill: Low Current	1.07 rf cavity 36-1 tuner problems
# 66	11/27 08:49	To 11/28 07:45	22.92	Int Refill: Low Current	0.12
# 67	11/28 07:52	To 11/29 00:35	16.71	vert beam motion [DIA]	0.87 rf problems, recovery
# 69	11/29 01:27	To 11/29 07:45	6.30	Int Refill: Low Current	0.09
# 70	11/29 07:51	To 11/30 07:12	23.36	rf3 trip [RF]	0.88 recovery, end of period

# 72	12/02 08:02	To 12/02 12:56	4.91	rf pers safety trip [RF]	0.02 recovery
# 73	12/02 13:29	To 12/02 14:03	0.56	S40B:Q4 Cap OTflt [PS]	1.14 converter swap, recovery
# 74	12/02 15:11	To 12/02 16:18	1.11	S40B:Q4 glitch [PS]	0.19 recovery
# 75	12/02 16:29	To 12/02 21:06	4.61	2BM PSS trip [XFD]	1.66 recovery, S7A:S3:PS tripped trouble filling
# 76	12/02 22:46	To 12/03 07:44	8.98	Int Refill: Low Current	0.11
# 77	12/03 07:51	To 12/03 12:58	5.11	Unknown beam motion[OTH]	0.34 recovery
# 78	12/03 13:18	To 12/04 04:17	14.99	S40B:Q4 glitch [PS]	1.39 converter replacement
# 79	12/04 05:41	To 12/05 07:45	26.07	Int Refill: Low Current	0.14
# 80	12/05 07:53	To 12/05 19:07	11.24	S5B:Q4 [PS]	0.80 injection slowed by ID2rad monitor
# 81	12/05 19:55	To 12/06 07:45	11.83	Int Refill: Low Current	0.08
# 82	12/06 07:50	To 12/07 02:14	18.40	rf3 relay trip [RF]	3.57 multiple power supply problems
# 84	12/07 05:48	To 12/07 17:34	11.76	rf3 llrf [RF]	0.63 recovery
# 85	12/07 18:12	To 12/08 07:59	13.80	Int Dump: End of Period	0.02

# 87	12/08 16:02	To 12/09 07:45	15.70	Int Refill: Low Current	0.00
# 88	12/09 07:58	To 12/09 19:45	11.77	Int Refill: Low Current	0.23
# 89	12/09 19:58	To 12/10 00:34	4.60	S7A:S3 PS trip [PS]	0.22
# 90	12/10 03:45	To 12/10 07:59	4.24	Int Refill: Low Current	3.18 ACIS S25 Ratchet Door, L4 problems
# 91	12/10 08:10	To 12/10 14:02	5.87	RF safety mon. trip [RF]	0.17
# 92	12/10 15:51	To 12/10 19:45	3.90	Int Refill: Low Current	1.82 Booster problems due to water trip earlier
# 93	12/10 19:50	To 12/11 07:59	12.16	Int Refill: Low Current	0.08
# 94	12/11 08:09	To 12/11 09:29	1.34	S18 absorber temp [H2O]	0.16
# 95	12/11 10:15	To 12/11 19:45	9.49	Int Refill: Low Current	0.77 PAR RF IOC reboot
# 96	12/11 19:51	To 12/12 07:45	11.89	Int Refill: Low Current	0.11
# 97	12/12 07:52	To 12/12 19:45	11.87	Int Refill: Low Current	0.13
# 98	12/12 19:51	To 12/13 07:45	11.90	Int Refill: Low Current	0.10
# 99	12/13 07:53	To 12/13 10:13	2.33	cav 36-2 IP fault [RF]	0.13
#100	12/13 11:51	To 12/13 14:08	2.30	S15B:V3 set pnt [PS]	1.63 recovery
#101	12/13 14:32	To 12/13 19:45	5.21	Int Refill: Low Current	0.40 recovery, slow injection
#102	12/13 19:52	To 12/14 04:25	8.55	ACIS event [CTL]	0.11
					0.00 end of run