

Listing of Statistics for Run1-1998

Total Amount of User Time in this interval 703.07 Hours

User periods in this interval

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01/13/1998 08:00 To 01/19/1998 08:00 144.00 Hours
01/20/1998 08:00 To 01/26/1998 08:00 144.00 Hours
01/27/1998 14:32 To 02/02/1998 08:00 137.48 Hours
02/03/1998 16:00 To 02/09/1998 08:05 136.08 Hours
02/10/1998 07:59 To 02/10/1998 13:30 5.51 Hours
02/10/1998 16:01 To 02/16/1998 08:01 136.02 Hours
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Delivered Beam                640.60 Hours
Percentage of Scheduled Time   91.12 %
Downtime During Period         62.46 Hours
Percentage of scheduled time SR current > 10 ma 95.01 %
Average Delivered Current During This Period    76.07 ma
Total integrated Current During This Period     48.73 A-hr
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Data from an on going fill (if one exists) is used in Fill length calculations.

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Mean Fill Duration in Period      29.12 Hours
Mean Fill Duration from Poisson Fit 37.54 Hours
Mean Time Between Faults (MTBF)   30.50 Hours
Faults per Day of Delivered Beam   0.79
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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 01/13 11:37 To 01/13 14:52 3.25	EPS trip at 1-ID (XFD)	3.61	refill for purity, PSS, orbit correction
# 3 01/13 16:17 To 01/14 07:30 15.21	Int Refill: Low Current	1.42	subsequent trip at ID-1 EPS, and recovery
# 4 01/14 09:43 To 01/15 06:00 20.29	Int Refill: Low Current	2.21	recovery from RF IOC reboot
# 5 01/15 09:56 To 01/15 10:04 0.14	1ID BPLD Trip (DIA)	3.93	controls, rf
# 6 01/15 10:25 To 01/15 15:29 5.06	rf3 circulator arc (RF)	0.35	.....
# 7 01/15 16:15 To 01/16 05:44 13.49	rf3 circulator arc (RF)	0.77	recovery
# 8 01/16 07:07 To 01/16 07:19 0.20	1ID BPLD (DIA)	1.38	switch to rf2
# 9 01/16 15:55 To 01/17 00:09 8.23	VM-15-VV01 closure (CTL)	8.61	PSS trip, PAR PS communication, PAR septum
# 10 01/17 02:42 To 01/18 06:01 27.31	Int Refill: Low Current	2.55	SR rf2, linac rf2
# 11 01/18 06:45 To 01/18 13:15 6.50	power glitch (OTHER)	0.74	rad monitor trip
# 12 01/18 19:36 To 01/19 08:00 12.40	Int Dump: End of Period	6.36	recovery
		0.00	.....
# 13 01/20 08:03 To 01/21 05:59 21.95	Int Refill: Low Current	0.04	
# 14 01/21 06:27 To 01/22 05:59 23.54	Int Refill: Low Current	0.46	.....
# 15 01/22 06:29 To 01/23 06:00 23.52	Int Refill: Low Current	0.49	.....
# 16 01/23 06:39 To 01/24 06:00 23.35	Int Refill: Low Current	0.65	.....
# 17 01/24 06:24 To 01/25 05:59 23.58	Int Refill: Low Current	0.41	.....
# 18 01/25 06:24 To 01/25 09:10 2.76	5ID BPLD Trip (RF)	0.43	.....
# 19 01/25 09:53 To 01/26 07:59 22.10	Int Dump: End of Period	0.72	.....
		0.02	.....

# 25	01/27 14:32	To	01/27 14:40	0.14	rf trip (VAC)	0.01		
# 26	01/27 15:21	To	01/28 06:09	14.81	Int Refill: Low Current	0.67	recovery	
# 27	01/28 06:30	To	01/28 09:55	3.43	S33A:Q2 trip (PS)	0.34	.....
# 28	01/28 10:36	To	01/29 05:59	19.37	Int Refill: Low Current	0.69	recovery	
# 29	01/29 07:41	To	01/29 14:20	6.66	18BM EPS fault (XFD)	1.70	Converter swap, problem restoring setpoints	
# 30	01/29 15:03	To	01/30 05:59	14.93	Int Refill: Low Current	0.72	recovery	
# 32	01/30 06:50	To	01/31 05:58	23.13	Int Refill: Low Current	0.85	9BM EPS trip	
# 33	01/31 06:29	To	02/01 05:59	23.50	Int Refill: Low Current	0.52	.....
# 34	02/01 06:24	To	02/02 01:59	19.59	S8:AS4 sextupole (PS)	0.41	.....
# 35	02/02 03:07	To	02/02 07:59	4.87	Int Dump: End of Period	1.14	refill needed because of poor lifetime	
							0.02
							0.17	booster corrector PS
# 41	02/03 16:10	To	02/04 05:59	13.81	Int Refill: Low Current	2.45	swap of rf systems after rf4 probs, DT to ops, rf	
# 42	02/04 08:26	To	02/04 08:38	0.21	rf1 trip, pow mon (RF)	0.49	recovery	
# 43	02/04 09:08	To	02/04 17:51	8.72	rf1 crowbar (RF)	0.63	recovery	
# 44	02/04 18:29	To	02/05 05:58	11.48	Int Refill: Low Current	0.42	.....
# 45	02/05 06:23	To	02/05 12:04	5.68	EPS trip at 34ID (XFD)	1.05	recovery	
# 46	02/05 13:07	To	02/05 13:27	0.34	rf trip breaker (OTHER)	0.89	recovery	
# 47	02/05 14:21	To	02/06 05:58	15.63	Int Refill: Low Current	0.37	.....
# 48	02/06 06:20	To	02/07 06:09	23.82	Int Refill: Low Current	0.35	.....
# 49	02/07 06:30	To	02/08 06:00	23.49	Int Refill: Low Current	0.41	.....
# 50	02/08 06:25	To	02/09 08:04	25.65	Int Dump: End of Period	0.02	.....
							0.20	filling
# 51	02/10 08:11	To	02/10 13:30	5.31	Int Dump: End of Period	0.00	.....
							1.66	converter swap, rf5, rf2, studies recovery
# 52	02/10 17:40	To	02/11 07:45	14.08	Int Dump: End of Period	0.65	.....
# 53	02/11 08:24	To	02/11 13:33	5.14	Cards into IOCs (S&A)	1.46	recovery	
# 54	02/11 15:00	To	02/11 19:52	4.86	Int Refill: Low Current	0.64	.....
# 55	02/11 20:30	To	02/12 07:45	11.24	Int Refill: Low Current	0.91	converter swap done at time of refill	
# 56	02/12 08:39	To	02/12 09:09	0.50	IOC breaker tripped(CTL)	1.63	recovery, rf probs	
# 57	02/12 10:47	To	02/12 15:34	4.79	IOC reboot (OPS)	1.13	recovery, linac	
# 58	02/12 16:42	To	02/12 19:45	3.05	Int Refill: Low Current	0.46	.....
# 59	02/12 20:13	To	02/13 07:44	11.52	Int Refill: Low Current	0.49	.....
# 60	02/13 08:13	To	02/13 19:45	11.52	Int Refill: Low Current	0.43	.....
# 61	02/13 20:10	To	02/14 07:45	11.57	Int Refill: Low Current	0.63	.....
# 62	02/14 08:23	To	02/14 18:40	10.28	rf4 trip (RF)	0.85	recovery	
# 63	02/14 19:31	To	02/15 01:40	6.16	VV Close (CTL)	0.72	recovery	
# 64	02/15 02:23	To	02/15 07:44	5.35	Int Refill: Low Current	0.48	.....
# 65	02/15 08:13	To	02/15 19:45	11.52	Int Refill: Low Current	0.62	.....
# 66	02/15 20:22	To	02/16 07:59	11.62	Int Dump: End of Period	0.04	.....