

Listing of Statistics for Run2-2001

Total Amount of User Time in this interval 1240.0 Hours

User periods in this interval

05/09/2001 08:01	To	05/15/2001 07:59	143.98	Hours, Delivered Beam:	133.85	Hours,	7	Fault(s),	19.12	MTBF,	9
05/15/2001 16:00	To	05/21/2001 07:59	135.98	Hours, Delivered Beam:	119.89	Hours,	4	Fault(s),	29.97	MTBF,	8
05/23/2001 08:00	To	05/28/2001 07:59	119.98	Hours, Delivered Beam:	117.80	Hours,	2	Fault(s),	58.90	MTBF,	9
05/29/2001 08:00	To	06/04/2001 08:00	143.99	Hours, Delivered Beam:	140.20	Hours,	3	Fault(s),	46.73	MTBF,	9
06/06/2001 08:00	To	06/12/2001 07:59	143.98	Hours, Delivered Beam:	140.95	Hours,	3	Fault(s),	46.98	MTBF,	9
06/12/2001 16:00	To	06/18/2001 07:59	135.98	Hours, Delivered Beam:	134.36	Hours,	3	Fault(s),	44.79	MTBF,	9
06/20/2001 08:00	To	06/26/2001 07:59	143.98	Hours, Delivered Beam:	132.74	Hours,	5	Fault(s),	26.55	MTBF,	9
06/26/2001 16:01	To	07/04/2001 07:59	183.97	Hours, Delivered Beam:	180.17	Hours,	5	Fault(s),	36.03	MTBF,	9
07/05/2001 08:00	To	07/08/2001 24:00	87.99	Hours, Delivered Beam:	84.22	Hours,	3	Fault(s),	28.07	MTBF,	9

Delivered Beam 1184.18 Hours
 Percentage of Scheduled Time 95.51 %
 Downtime During Period 55.66 Hours
 Percentage of scheduled time SR current > 10 ma 96.40 %
 Average Delivered Current During This Period 85.68 ma
 Total integrated Current During This Period 101.46 A-hr

Mean Fill Duration in Period 32.18 Hours
 Mean Fill Duration from Poisson Fit 35.31 Hours
 Mean Time Between Faults (MTBF) 33.83 Hours
 Faults per Day of Delivered Beam 0.71

Valid fills	Beginning in this Time Interval	Reason for	Length	Downtime is associated with
Fill#	Start End Duration	Fill Termination	of Downtime	The first fill of a period downtime before the fill
# 1	05/09 08:00 To 05/10 07:44 23.73	To close shutters [CTL]	0.00	
# 3	05/10 07:49 To 05/10 13:40 5.85	S3B:Q2 glitch [PS]	0.09
# 4	05/10 15:40 To 05/10 18:28 2.79	S3B:Q2 glitch [PS]	2.00	acis validation of top-up interlock
# 5	05/10 18:54 To 05/11 10:24 15.51	ID22 EPS trip [ISI]	0.43	slow refill due to rf coupler cooling
# 7	05/11 12:07 To 05/11 14:34 2.44	S27BQ4 trip [PS]	1.71	converter swap, ioc problem, refill
# 8	05/11 16:03 To 05/14 19:51 75.79	S37 Cav.Vac trip [RF]	1.50	Diagnosis and repair
# 15	05/14 22:10 To 05/15 03:43 5.56	S29 Water trip [ID-FE]	2.32	Cavity vacuum trip during inject.
# 16	05/15 05:48 To 05/15 07:59 2.18	Int Dump: End of Period	2.08	Investigate, refill
# 17	05/15 16:08 To 05/16 07:38 15.50	RF4 HVPS trip [RF]	0.00	
# 19	05/16 08:02 To 05/17 07:45 23.72	unknown beam loss [UKN]	0.13	
# 21	05/17 08:19 To 05/17 17:07 8.79	RF3 output arc [RF]	0.40	Refill
# 22	05/18 06:48 To 05/18 15:46 8.97	10BM PSS trip [CTL/ISI]	0.57	refill
# 23	05/18 17:04 To 05/21 07:59 62.91	Int Dump: End of Period	13.69	Booster Ext. septum H2O leak, wa
# 34	05/23 08:01 To 05/23 20:31 12.49	Rad mon. trip [OPS]	1.30	Investigation, refill
# 35	05/23 21:31 To 05/26 09:58 60.45	MPS trip on water [ME]	0.00	
# 41	05/26 11:07 To 05/28 07:59 44.87	Int Dump: End of Period	1.01	refill
# 45	05/29 08:00 To 05/30 12:41 28.69	9ID ACIS trip [CTL/ISI]	1.15	BPLD pending, refill
# 48	05/30 13:32 To 05/30 23:11 9.64	S13B:Q4 trip [PS]	0.00	
# 50	05/31 00:36 To 05/31 07:03 6.44	MPS vac/water trip [VAC]	0.85	investigate, refill
# 51	05/31 08:33 To 06/04 07:59 95.43	Int Dump: End of Period	1.43	PS swap, refill
# 60	06/06 08:00 To 06/08 19:34 59.57	10BM PSS trip [CTL/ISI]	1.51	investigate, refill
# 65	06/08 20:42 To 06/11 03:15 54.56	S40 Vacuum [RF]	0.00	
# 70	06/11 04:26 To 06/12 05:59 25.55	S37 Cav. Vac [RF]	1.12	recovery
# 72	06/12 06:43 To 06/12 07:59 1.26	Int Dump: End of Period	1.18	recovery
# 73	06/12 16:05 To 06/12 19:45 3.68	Unknown beam loss [UKN]	0.08	EPS fault not clear
# 74	06/12 20:32 To 06/15 18:39 70.11	RF3 mod Anode trip [RF]	0.77	Investigate, refill
# 80	06/15 19:02 To 06/16 19:59 24.94	Int.dump,water leak [ME]	0.39	refill
# 82	06/16 20:22 To 06/18 07:59 35.62	Fill Ongoing	0.38	Refill
# 85	06/20 08:03 To 06/20 13:25 5.37	9ID PSS trip [CTL/ISI]	0.00	
# 86	06/20 14:41 To 06/22 14:46 48.09	Kicker Setpnt error [PS]	1.27	Recovery, PEM tool problem
# 87	06/22 15:05 To 06/23 23:59 32.92	ACIS trip [CTL]	0.30	Refill
# 88	06/24 03:47 To 06/25 19:31 39.73	S10A:Q1 fault [PS]	3.80	Investigate, repair, conditioning
# 90	06/25 22:35 To 06/26 00:26 1.86	ACIS trip [CTL]	3.07	Investigation, convertor swap, re
# 91	06/26 03:12 To 06/26 07:59 4.78	Int Dump: End of Period	2.76	Investigation, refill

# 93	06/26 16:01	To 06/26 19:42	3.68	Unknown beam loss [UKN]	0.02	investigation, refill
# 94	06/26 20:36	To 06/28 11:06	38.50	20BM PSS trip [ISI]	0.82	Investigate, refill
# 95	06/28 11:55	To 07/02 10:13	94.30	P0 timing error [CTL]	0.60	refill
# 96	07/02 10:49	To 07/03 11:05	24.27	Unknown BPLD trip [UKN]	0.36	refill
# 97	07/03 11:27	To 07/04 06:52	19.42	Unknown trip [CTL]	1.12	Restore communication, end of pe:

# 98	07/05 08:01	To 07/05 15:45	7.74	S32:33 grnd fault [ME]	0.02	S19BP1 BPLD problem
# 99	07/05 17:59	To 07/06 14:56	20.95	S34A:Q4 trip [PS]	2.24	Investigate, refill
#100	07/06 16:05	To 07/07 01:46	9.68	Shutters Closed [CTL]	1.14	Investigation, refill
#101	07/07 02:08	To 07/08 23:59	45.85	Int Dump: End of Period	0.37	Booster ACIS trip, recover
					0.00	

Top-Up Mode Statistics

Target Current = 102.0, Range +/- 1.0, Minimum Injector Downtime = 8.0 minutes

Total

Scheduled Topup Time 328.0 Hours
Injector Availability 98.0 %