

Listing of Statistics for Run3-2010 (Created Thu Dec 23 11:36:55 CST 2010)

Total Amount of User Time in this interval 1552.96 Hours

User periods in this interval

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10/05/2010 08:00 To 10/12/2010 08:00 168.00 Hours, Delivered Beam: 166.64
Hours, 2 Fault(s), 83.32 MTBF, 99.19% of Sched. Time
10/13/2010 08:00 To 10/19/2010 08:00 144.00 Hours, Delivered Beam: 143.52
Hours, 1 Fault(s), 143.52 MTBF, 99.67% of Sched. Time
10/20/2010 08:00 To 10/25/2010 08:00 120.00 Hours, Delivered Beam: 117.99
Hours, 1 Fault(s), 117.99 MTBF, 98.32% of Sched. Time
10/27/2010 08:00 To 11/02/2010 08:00 144.00 Hours, Delivered Beam: 132.00
Hours, 3 Fault(s), 44.00 MTBF, 91.66% of Sched. Time
11/03/2010 08:00 To 11/09/2010 08:00 145.00 Hours, Delivered Beam: 143.22
Hours, 4 Fault(s), 35.81 MTBF, 98.78% of Sched. Time
11/10/2010 08:00 To 11/15/2010 08:00 120.00 Hours, Delivered Beam: 118.76
Hours, 1 Fault(s), 118.76 MTBF, 98.97% of Sched. Time
11/17/2010 08:00 To 11/24/2010 24:00 184.00 Hours, Delivered Beam: 174.68
Hours, 5 Fault(s), 34.94 MTBF, 94.94% of Sched. Time
11/26/2010 08:00 To 11/30/2010 08:00 96.00 Hours, Delivered Beam: 96.00
Hours, 0 Fault(s), 96.00 MTBF, 100.00% of Sched. Time
12/01/2010 08:00 To 12/07/2010 08:00 144.00 Hours, Delivered Beam: 144.00
Hours, 0 Fault(s), 144.00 MTBF, 100.00% of Sched. Time
12/08/2010 08:00 To 12/14/2010 08:00 144.00 Hours, Delivered Beam: 143.52
Hours, 1 Fault(s), 143.52 MTBF, 99.66% of Sched. Time
12/15/2010 08:00 To 12/21/2010 08:00 144.00 Hours, Delivered Beam: 140.75
Hours, 1 Fault(s), 140.75 MTBF, 97.74% of Sched. Time
    
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Delivered Beam                    1521.08 Hours
Percentage of Scheduled Time      97.95 %
Downtime During Period            31.88 Hours
Percentage of scheduled time SR current > 10 ma 99.14 %
Average Delivered Current During This Period 99.54 mA
Total integrated Current During This Period 151.41 A-hr

Mean Fill Duration in Period      76.05 Hours
Mean Fill Duration from Poisson Fit 87.02 Hours
Mean Time Between Faults (MTBF) 80.06 Hours
Faults per Day of Delivered Beam 0.30
Total Number of Faults            19
Scheduled Topup Time              1145.00 Hours
    
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Length      Downtime is associated with the end of a fill.
Valid fills Beginning in this Time Interval | Reason for | of
The first fill of a period will have any
Fill# Start      End      Duration | Fill Termination |
Downtime      downtime before the fill on the line above.
              (min: 1.0) | |
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0.00
# 1 10/05 08:00 To 10/06 06:56 22.93 | RF4 HVPS trip [RF] |
0.41 Investigation and refill
    
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2 10/06 07:20 To 10/06 10:25 3.09 | Rad. mon. failure [OTH] |
0.95 Replaced radiation monitor, validate, refill
3 10/06 11:22 To 10/12 07:59 140.62 | Int Dump: End of Period |
0.00

0.00
4 10/13 08:00 To 10/14 13:14 29.24 | IOCRFHVPS reboot [CTL] |
0.47 Investigation and refill
5 10/14 13:42 To 10/19 07:59 114.28 | Int Dump: End of Period |
0.00

0.43 Difficulty loading Booster safety ramp(AOP)
6 10/20 08:25 To 10/22 00:52 40.45 | S7 Quad PS trip [PS] |
1.58 Swapped supply, conditioned mag., refilled
7 10/22 02:27 To 10/25 07:59 77.54 | Int Dump: End of Period |
0.00

0.00
8 10/27 08:00 To 10/28 13:57 29.95 | S38 RF Cav Vac trip[RF] |
0.24 Investigation, refill
9 10/28 14:11 To 10/30 08:16 42.08 | S29/30BPM glitches[DIAG] |
5.80 trip on fill, investigation, change RTFB config[DIAG]
10 10/30 14:04 To 10/30 20:47 6.72 | 14ID DS BPLD [DIAG] |
5.95 2nd trip, replaced bergosz card, validated [Diag]
12 10/31 02:44 To 11/02 07:59 53.25 | Int Dump: End of Period |
0.00

0.06 chromaticity adjustment needed
13 11/03 08:03 To 11/04 19:33 35.49 | 24ID BPLD trip [UNK] |
0.30 investigation & refill
14 11/04 19:50 To 11/07 17:11 70.34 | 23ID PSS trip [SI] |
0.74 Conditioned & recovered systems, refilled
15 11/07 17:55 To 11/07 19:25 1.49 | 20-ID BLPD trip [UNK] |
0.32
16 11/07 19:44 To 11/08 06:40 10.94 | SRFCav36 Arc Detect[RF] |
0.36 Investigation, refill
17 11/08 07:02 To 11/09 07:59 24.96 | Int Dump: End of Period |
0.00

0.00
18 11/10 08:00 To 11/14 07:49 95.83 | S2A:S3:PS went to 0A[PS] |
1.23 Swapped supply, conditioned, refilled
19 11/14 09:03 To 11/15 07:59 22.94 | Int Dump: End of Period |
0.00

0.00							
# 20	11/17 08:00	To 11/18 02:19	18.32	Unstable RTFB loops[UNK]			
0.26	Investigation, refill						
# 21	11/18 02:35	To 11/21 01:56	71.36	Unstable RTFB loops[UNK]			
0.83	Investigation, refill						
# 22	11/21 02:46	To 11/21 09:48	7.04	S23-ID PSS trip [SI]			
0.77	Recovered SR and Booster tripped systems, refilled						
# 23	11/21 10:35	To 11/22 15:46	29.19	Tornado Warning			
0.16							
# 24	11/22 15:55	To 11/23 23:01	31.10	Unstable RTFB loops[UNK]			
5.07	Reboots of iocs caused issues with RTFB [CTL]						
# 25	11/24 04:05	To 11/24 09:15	5.16	Below 50mA B:EK:PS [PS]			
2.23	B:EK:PS timing card replaced, fill-on-fill [PS]						
# 26	11/24 11:29	To 11/25 00:00	12.51	Int Dump: End of Period			
0.00							

0.00							
# 27	11/26 08:00	To 11/30 07:59	96.00	Int Dump: End of Period			
0.00							

0.00							
# 28	12/01 08:00	To 12/07 07:59	144.00	Int Dump: End of Period			
0.00							

0.00							
# 29	12/08 08:00	To 12/09 23:54	39.91	Unstable RTFB loops[UNK]			
0.48							
# 30	12/10 00:23	To 12/14 07:59	103.61	Int Dump: End of Period			
0.00							

0.00							
# 31	12/15 08:00	To 12/20 17:16	129.26	Unstable RTFB loops[UNK]			
3.25	Send trip, investigation [UNKNOWN]						
# 33	12/20 20:30	To 12/21 07:59	11.48	Int Dump: End of Period			
0.00							

Top-Up Mode Statistics

Target Current Range +/- 2.0, Minimum Injector Downtime = 8.0 minutes

Total

Current in Range during Scheduled Topup Time	95.47 %
Current in Range during Delivered Beam Time	97.77 %
Injector Availability	97.62 %

Period Beginning 10/05/2010 08:00

Current in Range	98.64 %
Injector Availability	98.42 %

Out of Range at: 10/07/2010 10:34:00 to 10/07/2010 11:00:00 : 26.00
minutes
Injector downtime: 10/07/2010 10:29:04 to 10/07/2010 10:57:44 : 28.67
minutes
Out of Range at: 10/09/2010 21:09:44 to 10/09/2010 21:10:08 : 0.40
minutes
Injector downtime: 10/09/2010 21:01:44 to 10/09/2010 21:09:44 : 8.00
minutes (est)
Out of Range at: 10/11/2010 01:35:52 to 10/11/2010 01:36:08 : 0.27
minutes
Injector downtime: 10/11/2010 01:27:52 to 10/11/2010 01:35:52 : 8.00
minutes (est)
Out of Range at: 10/11/2010 01:41:12 to 10/11/2010 03:30:24 : 109.20
minutes
Injector downtime: 10/11/2010 01:36:16 to 10/11/2010 03:29:52 : 113.60
minutes

Period Beginning 10/13/2010 08:00

Current in Range 99.26 %
Injector Availability 99.10 %
Out of Range at: 10/14/2010 10:36:40 to 10/14/2010 10:58:24 : 21.73
minutes
Injector downtime: 10/14/2010 10:31:44 to 10/14/2010 10:56:08 : 24.40
minutes
Out of Range at: 10/14/2010 11:54:00 to 10/14/2010 12:36:16 : 42.27
minutes
Injector downtime: 10/14/2010 11:49:04 to 10/14/2010 12:34:00 : 44.93
minutes
Out of Range at: 10/15/2010 09:11:04 to 10/15/2010 09:11:12 : 0.13
minutes
Injector downtime: 10/15/2010 09:03:04 to 10/15/2010 09:11:04 : 8.00
minutes (est)

Period Beginning 10/20/2010 08:00

Current in Range 100.00 %
Injector Availability 100.00 %

Period Beginning 10/27/2010 08:00

Current in Range 97.20 %
Injector Availability 97.09 %
Out of Range at: 10/29/2010 22:50:56 to 10/29/2010 23:04:40 : 13.73
minutes
Injector downtime: 10/29/2010 22:46:00 to 10/29/2010 23:04:36 : 18.60
minutes
Out of Range at: 11/01/2010 01:34:16 to 11/01/2010 05:02:08 : 207.87
minutes
Injector downtime: 11/01/2010 01:29:20 to 11/01/2010 05:01:20 : 212.00
minutes

Period Beginning 11/03/2010 08:00

Current in Range 97.57 %
Injector Availability 97.43 %
Out of Range at: 11/04/2010 07:44:48 to 11/04/2010 08:45:28 : 60.67
minutes
Injector downtime: 11/04/2010 07:39:52 to 11/04/2010 08:44:08 : 64.27
minutes

Out of Range at: 11/06/2010 16:38:00 to 11/06/2010 17:42:56 : 64.93
minutes
Injector downtime: 11/06/2010 16:33:04 to 11/06/2010 17:42:52 : 69.80
minutes
Out of Range at: 11/09/2010 00:26:40 to 11/09/2010 01:49:36 : 82.93
minutes
Injector downtime: 11/09/2010 00:21:44 to 11/09/2010 01:48:24 : 86.67
minutes

Period Beginning 11/17/2010 08:00

Current in Range 95.00 %
Injector Availability 94.86 %
Out of Range at: 11/17/2010 17:20:48 to 11/17/2010 18:22:56 : 62.13
minutes
Injector downtime: 11/17/2010 17:15:52 to 11/17/2010 18:17:44 : 61.87
minutes
Out of Range at: 11/17/2010 18:43:52 to 11/17/2010 19:05:52 : 22.00
minutes
Injector downtime: 11/17/2010 18:38:56 to 11/17/2010 19:03:44 : 24.80
minutes
Out of Range at: 11/22/2010 00:57:12 to 11/22/2010 01:20:00 : 22.80
minutes
Injector downtime: 11/22/2010 00:52:16 to 11/22/2010 01:19:56 : 27.67
minutes
Out of Range at: 11/22/2010 12:01:28 to 11/22/2010 13:40:48 : 99.33
minutes
Injector downtime: 11/22/2010 11:56:32 to 11/22/2010 13:38:32 : 102.00
minutes
Out of Range at: 11/24/2010 04:06:00 to 11/24/2010 09:15:44 : 309.73
minutes
Injector downtime: 11/24/2010 04:01:04 to 11/24/2010 09:15:40 : 314.60
minutes
Out of Range at: 11/24/2010 11:29:20 to 11/24/2010 11:37:44 : 8.40
minutes
Injector downtime: 11/24/2010 11:21:20 to 11/24/2010 11:29:20 : 8.00
minutes (est)

Period Beginning 11/26/2010 08:00

Current in Range 99.25 %
Injector Availability 99.17 %
Out of Range at: 11/29/2010 15:46:08 to 11/29/2010 16:29:12 : 43.07
minutes
Injector downtime: 11/29/2010 15:41:24 to 11/29/2010 16:29:08 : 47.73
minutes

Period Beginning 12/01/2010 08:00

Current in Range 96.52 %
Injector Availability 96.30 %
Out of Range at: 12/02/2010 07:42:32 to 12/02/2010 10:10:48 : 148.27
minutes
Injector downtime: 12/02/2010 07:37:36 to 12/02/2010 10:09:52 : 152.27
minutes
Out of Range at: 12/03/2010 14:45:12 to 12/03/2010 14:45:36 : 0.40
minutes
Injector downtime: 12/03/2010 14:37:12 to 12/03/2010 14:45:12 : 8.00
minutes (est)

Out of Range at: 12/06/2010 05:59:28 to 12/06/2010 07:00:56 : 61.47
minutes

Injector downtime: 12/06/2010 05:54:32 to 12/06/2010 06:58:40 : 64.13
minutes

Out of Range at: 12/06/2010 20:27:52 to 12/06/2010 21:58:24 : 90.53
minutes

Injector downtime: 12/06/2010 20:22:56 to 12/06/2010 21:58:20 : 95.40
minutes