

Listing of Statistics for Run1-2012 (Created Fri May 25 09:05:57 CDT 2012)

User periods in this interval
01/31/2012 08:00 To 02/07/2012 08:00 168.00 Hours, Delivered Beam: 168.00 Hours, 0 Fault(s),168.00 MTBF,100.00% of Sched. Time
02/08/2012 08:00 To 02/14/2012 08:00 144.00 Hours, Delivered Beam: 143.68 Hours, 1 Fault(s),143.68 MTBF, 99.78% of Sched. Time
02/15/2012 08:00 To 02/21/2012 08:00 144.00 Hours, Delivered Beam: 144.00 Hours, 0 Fault(s),144.00 MTBF,100.00% of Sched. Time
02/22/2012 08:00 To 02/27/2012 08:00 120.00 Hours, Delivered Beam: 119.99 Hours, 0 Fault(s),119.99 MTBF,100.00% of Sched. Time
02/29/2012 08:00 To 03/06/2012 08:00 144.00 Hours, Delivered Beam: 143.99 Hours, 0 Fault(s),143.99 MTBF, 99.99% of Sched. Time
03/07/2012 08:00 To 03/13/2012 08:00 143.00 Hours, Delivered Beam: 142.95 Hours, 0 Fault(s),142.95 MTBF, 99.97% of Sched. Time
03/14/2012 08:00 To 03/20/2012 08:00 144.00 Hours, Delivered Beam: 144.00 Hours, 0 Fault(s),144.00 MTBF,100.00% of Sched. Time
03/21/2012 08:00 To 03/26/2012 08:00 120.00 Hours, Delivered Beam: 118.27 Hours, 1 Fault(s),118.27 MTBF, 98.56% of Sched. Time
03/28/2012 08:00 To 04/03/2012 08:00 144.00 Hours, Delivered Beam: 142.13 Hours, 2 Fault(s), 71.07 MTBF, 98.70% of Sched. Time
04/04/2012 08:00 To 04/10/2012 08:00 144.00 Hours, Delivered Beam: 144.00 Hours, 0 Fault(s),144.00 MTBF,100.00% of Sched. Time
04/11/2012 08:00 To 04/17/2012 08:00 144.00 Hours, Delivered Beam: 143.69 Hours, 1 Fault(s),143.69 MTBF, 99.78% of Sched. Time
04/18/2012 08:00 To 04/25/2012 08:00 168.00 Hours, Delivered Beam: 167.64 Hours, 1 Fault(s),167.64 MTBF, 99.79% of Sched. Time

Total Amount of User Time in this interval 1726.94 Hours Delivered Beam 1722.33 Hours
Percentage of Scheduled Time (%) 99.73%

Mean Time Between Faults (MTBF) 287.06 Hours
Downtime During Period 4.61 Hours
Total integrated Current During This Period 171.71 A-hr
Mean Fill Duration in Period 246.05 Hours
Faults per Day of Delivered Beam 0.08
Total Number of Faults 6

Valid fills Beginning in this Time Interval

Fill #	Start	End	Duration (min: 1.0)	Reason for Fill Termination	Length of Downtime	Downtime is associated with the end of a fill. The first fill of a period will have any downtime before the fill on the line above.
# 1	1/31/2012 8:00 To	2/7/2012 7:59	168.00	Int Dump: End of Period	0	0
# 2	2/8/2012 8:00 To	2/13/2012 5:25	117.42	RF2 crowbar trip(RF)	0.31	Reset, refilled ring
# 3	2/13/2012 5:44 To	2/14/2012 7:59	26.26	Int Dump: End of Period	0	0
# 4	2/15/2012 8:00 To	2/21/2012 7:59	144.00	Int Dump: End of Period	0	0
# 5	2/22/2012 8:00 To	2/27/2012 7:59	119.99	Int Dump: End of Period	0	0
# 6	2/29/2012 8:00 To	3/6/2012 7:59	143.99	Int Dump: End of Period	0.01	0
# 7	3/7/2012 8:02 To	3/13/2012 7:59	142.95	Int Dump: End of Period	0.05	Troubleshoot PAR bunch cleaning(AOP)
# 8	3/14/2012 8:00 To	3/20/2012 8:00	144.00	Int Dump: End of Period	0	0
# 9	3/21/2012 8:00 To	3/23/2012 7:19	47.33	Human error (FMS)	1.73	compressed air restored, reset tripped systems
# 10	3/23/2012 9:03 To	3/26/2012 7:59	70.94	Int Dump: End of Period	0.49	Reset trip, refilled.
# 11	3/28/2012 8:00 To	4/1/2012 9:01	97.01	RF2 Crowbar trip (RF)	1.38	Investigation, swapped supply
# 12	4/1/2012 9:30 To	4/2/2012 9:25	23.91	S12B-V2 P.S. trip(PS)	0	0
# 13	4/2/2012 10:47 To	4/3/2012 7:59	21.20	Int Dump: End of Period	0	0
# 14	4/4/2012 8:00 To	4/10/2012 7:59	144.00	Int Dump: End of Period	0	0
# 15	4/11/2012 8:00 To	4/16/2012 9:32	121.54	Com-Ed Voltage sag(OTH)	0.31	Reset RF system, refilled
# 16	4/16/2012 9:50 To	4/17/2012 7:59	22.15	Int Dump: End of Period	0	0
# 17	4/18/2012 8:00 To	4/20/2012 7:46	47.77	Beam instability(?)	0.36	Reset RF system and refilled the ring
# 18	4/20/2012 8:07 To	4/25/2012 7:59	119.87	Int Dump: End of Period	0	0

Top-Up Mode Statistics

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

Current in Range during Scheduled Topup Time 97.71%
Current in Range during Delivered Beam Time 97.91%
Injector Availability 97.79%
Period Beginning 01/31/2012 08:00
Current in Range 97.75%
Injector Availability 97.67%
Out of Range at: 2/2/2012 11:48 to 2/2/2012 13:18 90.13 minutes
Injector downtime: 2/2/2012 11:43 to 2/2/2012 13:18 95.00 minutes
Out of Range at: 2/3/2012 4:04 to 2/3/2012 6:20 136.40 minutes
Injector downtime: 2/3/2012 3:59 to 2/3/2012 6:19 140.27 minutes
Period Beginning 02/08/2012 08:00
Current in Range 100.00%
Injector Availability 100.00%
Period Beginning 02/16/2012 08:00
Current in Range 100.00%
Injector Availability 100.00%
Period Beginning 02/22/2012 08:00
Current in Range 99.17%
Injector Availability 99.00%
Out of Range at: 2/26/2012 19:58 to 2/26/2012 19:59 0.67 minutes
Injector downtime: 2/26/2012 19:50 to 2/26/2012 19:58 ~ 8.00 minutes
Out of Range at: 2/26/2012 20:06 to 2/26/2012 21:05 59.07 minutes
Injector downtime: 2/26/2012 20:01 to 2/26/2012 21:05 63.93 minutes
Period Beginning 02/29/2012 08:00
Current in Range 99.33%
Injector Availability 99.30%
Out of Range at: 3/6/2012 6:35 to 3/6/2012 7:33 57.87 minutes
Injector downtime: 3/6/2012 6:30 to 3/6/2012 7:30 60.53 minutes
Period Beginning 03/07/2012 08:00
Current in Range 99.49%
Injector Availability 99.45%
Out of Range at: 3/8/2012 6:16 to 3/8/2012 7:00 43.60 minutes
Injector downtime: 3/8/2012 6:11 to 3/8/2012 6:58 47.33 minutes
Period Beginning 03/28/2012 08:00
Current in Range 98.53%
Injector Availability 98.36%
Out of Range at: 3/30/2012 8:47 to 3/30/2012 8:57 9.33 minutes
Injector downtime: 3/30/2012 8:42 to 3/30/2012 8:57 14.20 minutes
Out of Range at: 3/30/2012 12:07 to 3/30/2012 13:19 72.40 minutes
Injector downtime: 3/30/2012 12:02 to 3/30/2012 13:19 77.27 minutes
Out of Range at: 3/30/2012 21:56 to 3/30/2012 22:39 43.73 minutes
Injector downtime: 3/30/2012 21:51 to 3/30/2012 22:39 48.60 minutes
Period Beginning 04/04/2012 08:00
Current in Range 94.17%
Injector Availability 93.76%
Out of Range at: 4/5/2012 4:46 to 4/5/2012 5:00 13.60 minutes
Injector downtime: 4/5/2012 4:42 to 4/5/2012 4:58 16.27 minutes
Out of Range at: 4/5/2012 10:21 to 4/5/2012 10:38 16.93 minutes
Injector downtime: 4/5/2012 10:16 to 4/5/2012 10:38 21.80 minutes
Out of Range at: 4/8/2012 4:41 to 4/8/2012 4:42 0.80 minutes
Injector downtime: 4/8/2012 4:33 to 4/8/2012 4:41 ~ 8.00 minutes
Out of Range at: 4/8/2012 4:48 to 4/8/2012 4:48 0.00 minutes
Injector downtime: 4/8/2012 4:40 to 4/8/2012 4:48 ~ 8.00 minutes
Out of Range at: 4/8/2012 5:11 to 4/8/2012 10:51 340.40 minutes
Injector downtime: 4/8/2012 5:06 to 4/8/2012 10:51 345.27 minutes
Out of Range at: 4/8/2012 12:06 to 4/8/2012 12:21 14.93 minutes
Injector downtime: 4/8/2012 12:01 to 4/8/2012 12:21 19.73 minutes
Out of Range at: 4/9/2012 12:17 to 4/9/2012 14:14 117.07 minutes
Injector downtime: 4/9/2012 12:12 to 4/9/2012 14:11 119.73 minutes
Period Beginning 04/11/2012 08:00
Current in Range 92.98%
Injector Availability 92.84%
Out of Range at: 4/11/2012 8:00 to 4/11/2012 8:02 2.00 minutes
Injector downtime: 4/11/2012 7:52 to 4/11/2012 8:00 ~ 8.00 minutes
Out of Range at: 4/15/2012 16:20 to 4/15/2012 22:01 340.40 minutes
Injector downtime: 4/15/2012 16:15 to 4/15/2012 21:59 344.13 minutes
Out of Range at: 4/16/2012 13:54 to 4/16/2012 18:17 262.67 minutes
Injector downtime: 4/16/2012 13:49 to 4/16/2012 18:15 265.33 minutes

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