

Listing of Statistics for Run3-2012 (Created Fri Dec 21 09:05:48 CST 2012)

User periods in this interval

10/02/2012 08:00 To 10/08/2012 08:00	144.00 Hours, Delivered Beam: 143.59 Hours, 1 Fault(s), 143.59 MTBF, 99.71% of Sched. Time
10/10/2012 08:00 To 10/16/2012 08:00	144.00 Hours, Delivered Beam: 137.76 Hours, 2 Fault(s), 68.88 MTBF, 95.66% of Sched. Time
10/17/2012 08:00 To 10/23/2012 08:00	144.00 Hours, Delivered Beam: 141.75 Hours, 3 Fault(s), 47.25 MTBF, 98.44% of Sched. Time
10/24/2012 08:00 To 10/29/2012 08:00	120.00 Hours, Delivered Beam: 119.61 Hours, 1 Fault(s), 119.61 MTBF, 99.68% of Sched. Time
10/31/2012 08:00 To 11/06/2012 08:00	145.00 Hours, Delivered Beam: 145.00 Hours, 0 Fault(s), 145.00 MTBF, 100.00% of Sched. Time
11/07/2012 08:00 To 11/12/2012 08:00	120.00 Hours, Delivered Beam: 116.18 Hours, 4 Fault(s), 29.04 MTBF, 96.82% of Sched. Time
11/14/2012 08:00 To 11/21/2012 24:00	184.00 Hours, Delivered Beam: 182.32 Hours, 2 Fault(s), 91.16 MTBF, 99.09% of Sched. Time
11/23/2012 08:00 To 11/27/2012 08:00	96.00 Hours, Delivered Beam: 96.00 Hours, 0 Fault(s), 96.00 MTBF, 100.00% of Sched. Time
11/28/2012 08:00 To 12/04/2012 08:00	144.00 Hours, Delivered Beam: 144.00 Hours, 0 Fault(s), 144.00 MTBF, 100.00% of Sched. Time
12/05/2012 08:00 To 12/11/2012 08:00	144.00 Hours, Delivered Beam: 142.48 Hours, 1 Fault(s), 142.48 MTBF, 98.94% of Sched. Time
12/12/2012 08:00 To 12/19/2012 24:00	184.00 Hours, Delivered Beam: 166.45 Hours, 5 Fault(s), 33.29 MTBF, 90.46% of Sched. Time

Total Amount of User Time in this interval

Delivered Beam **1568.96 Hours**
 1535.13 Hours
 Percentage of Scheduled Time (*) **97.84%**

Mean Time Between Faults (MTBF)

80.80 Hours
 Downtime During Period 33.83 Hours

Total integrated Current During This Period

153.48 A-hr

Mean Fill Duration in Period

76.76 Hours

Faults per Day of Delivered Beam 0.3

Total Number of Faults 19

Valid fills Beginning in this Time Interval

Fill #	Start	End	Duration (min: 1.0)	Reason for Fill Termination	Length of Downtime
# 1	10/2/2012 8:00 To	10/3/2012 0:26	16.45	IEXcorr stpt change[AOP]	0.41 Investigation & refill
# 2	10/3/2012 0:51 To	10/8/2012 7:59	127.14	Int Dump: End of Period	0
# 3	10/10/2012 8:00 To	10/11/2012 4:45	20.76	S30A:Q3:PS trip [PS]	PS swap [1.13hr PS], ACIS trip [3.37hr]
# 5	10/11/2012 9:35 To	10/13/2012 7:47	46.21	S29A:S2:PS trip[PS]	4.83 SI, 0.33hr RF
# 6	10/13/2012 8:58 To	10/14/2012 14:29	29.52	Tornado Warning	1.18 Swap supply, condition, refill
# 7	10/14/2012 14:43 To	10/16/2012 7:59	41.27	Int Dump: End of Period	0.23
# 8	10/17/2012 8:00 To	10/18/2012 7:34	23.57	P0 feedback adj. [AOP]	0
# 9	10/18/2012 8:40 To	10/19/2012 13:19	28.65	S36 RF cav. vacuum[RF]	Further adjustments to P0 feedback, 1.1 chrom. change
# 10	10/19/2012 14:01 To	10/19/2012 17:35	3.56	S36 RF cav. vacuum[RF]	0.7 Recovery refill
# 11	10/19/2012 18:01 To	10/23/2012 7:59	85.98	Int Dump: End of Period	0.44 Vacuum recovery, refill
# 12	10/24/2012 8:00 To	10/24/2012 13:20	5.33	RF3/RF2 AGC control[RF]	0
# 13	10/24/2012 13:43 To	10/29/2012 7:59	114.28	Int Dump: End of Period	0.38 Investigation, refill
# 14	10/31/2012 8:00 To	11/6/2012 7:59	145.00	Int Dump: End of Period	0
# 15	11/7/2012 8:00 To	11/10/2012 5:02	69.04	RF4 HV trip [RF]	0
# 16	11/10/2012 5:24 To	11/10/2012 23:50	18.43	21ID FE-EPS trip [MOM]	0.37 Investigation, refill
# 17	11/11/2012 0:46 To	11/11/2012 3:55	3.14	21ID FE-EPS trip [MOM]	0.94 Investigation, reset, refill
# 18	11/11/2012 4:17 To	11/12/2012 5:51	25.57	RF3 HV trip [RF]	0.36 Investigation, reset, refill
# 21	11/14/2012 8:00 To	11/21/2012 3:32	163.54	RF2 Crowbar [RF]	Recovery, same trip occurred 2 more
# 22	11/21/2012 4:04 To	11/21/2012 10:02	5.96	S:IK4 P.S. fault[PS]	2.15 times [RF]
# 23	11/21/2012 11:10 To	11/21/2012 23:59	12.82	Int Dump: End of Period	0
# 24	11/23/2012 8:00 To	11/27/2012 7:59	96.00	Int Dump: End of Period	0
# 25	11/28/2012 8:00 To	12/4/2012 7:59	144.00	Int Dump: End of Period	0
# 26	12/5/2012 8:00 To	12/9/2012 14:38	102.65	7BM door fault [OTH]	0
# 27	12/9/2012 16:10 To	12/11/2012 7:59	39.83	Int Dump: End of Period	1.52 Investigation, standardize dipole, refill
# 28	12/12/2012 8:00 To	12/12/2012 15:05	7.08	RF1 Temp Intik [RF]	0
# 29	12/12/2012 15:51 To	12/15/2012 8:55	65.07	RF2 Crowbar trip[RF]	0.78 Investigation, refill
# 30	12/15/2012 9:29 To	12/15/2012 17:47	8.31	S10/11 Raw PS trip [PS]	0.56 Investigation and refill.
# 31	12/15/2012 21:31 To	12/17/2012 15:50	42.32	Com-Ed Power Sag [Oth]	Replaced power supply for PSCU, 3.72 conditioned, refill
# 32	12/18/2012 3:59 To	12/18/2012 12:14	8.27	Int.Dump 1296 fill[AOP]	Recover, PAR
# 33	12/18/2012 12:35 To	12/19/2012 23:59	35.41	Int Dump: End of Period	12.14 ext5.03hr[Oth], 3.56hr[AOP], 3.56hr[CTL]
					0.34 Refilled with 324 singlets

Top-Up Mode Statistics

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

Current in Range during Scheduled			
Topup Time	97.15%		
Current in Range during Delivered			
Beam Time	98.32%		
Injector Availability	98.10%		
<u>Period Beginning 10/02/2012 08:00</u>			
Current in Range	100.00%		
Injector Availability	100.00%		
<u>Period Beginning 10/10/2012 08:00</u>			
Current in Range	98.61%		
Injector Availability	98.47%		
Out of Range at:	10/10/2012 19:00 to	10/10/2012 20:22	82.53 minutes
Injector downtime:	10/10/2012 18:55 to	10/10/2012 20:20	85.20 minutes
Out of Range at:	10/12/2012 6:38 to	10/12/2012 6:46	8.40 minutes
Injector downtime:	10/12/2012 6:33 to	10/12/2012 6:46	13.27 minutes
Out of Range at:	10/16/2012 3:31 to	10/16/2012 3:55	23.60 minutes
Injector downtime:	10/16/2012 3:26 to	10/16/2012 3:54	27.73 minutes

<u>Period Beginning 10/17/2012 08:00</u>			
Current in Range	90.95%		
Injector Availability	90.09%		
Out of Range at:	10/18/2012 0:59 to	10/18/2012 4:27	207.33 minutes
Injector downtime:	10/18/2012 0:55 to	10/18/2012 4:27	211.73 minutes
Out of Range at:	10/18/2012 4:48 to	10/18/2012 6:51	123.20 minutes
Injector downtime:	10/18/2012 4:43 to	10/18/2012 6:51	128.07 minutes
Out of Range at:	10/18/2012 7:00 to	10/18/2012 7:01	0.23 minutes
Injector downtime:	10/18/2012 6:52 to	10/18/2012 7:00	- 8.00 minutes
Out of Range at:	10/18/2012 8:40 to	10/18/2012 8:51	10.67 minutes
Injector downtime:	10/18/2012 8:35 to	10/18/2012 8:51	15.53 minutes
Out of Range at:	10/18/2012 13:39 to	10/18/2012 15:16	96.93 minutes
Injector downtime:	10/18/2012 13:34 to	10/18/2012 15:14	99.60 minutes
Out of Range at:	10/18/2012 16:10 to	10/18/2012 16:10	0.13 minutes
Injector downtime:	10/18/2012 16:02 to	10/18/2012 16:10	- 8.00 minutes
Out of Range at:	10/18/2012 16:15 to	10/18/2012 16:22	6.40 minutes
Injector downtime:	10/18/2012 16:07 to	10/18/2012 16:15	- 8.00 minutes
Out of Range at:	10/18/2012 16:28 to	10/18/2012 16:28	0.13 minutes
Injector downtime:	10/18/2012 16:20 to	10/18/2012 16:28	- 8.00 minutes
Out of Range at:	10/18/2012 17:22 to	10/18/2012 19:30	128.67 minutes
Injector downtime:	10/18/2012 17:17 to	10/18/2012 19:30	132.93 minutes
Out of Range at:	10/21/2012 17:44 to	10/21/2012 19:04	79.87 minutes
Injector downtime:	10/21/2012 17:39 to	10/21/2012 19:04	84.73 minutes
Out of Range at:	10/22/2012 19:41 to	10/22/2012 19:53	11.60 minutes
Injector downtime:	10/22/2012 19:36 to	10/22/2012 19:53	16.47 minutes
Out of Range at:	10/23/2012 0:55 to	10/23/2012 1:53	57.73 minutes
Injector downtime:	10/23/2012 0:50 to	10/23/2012 1:53	62.60 minutes
Out of Range at:	10/23/2012 6:39 to	10/23/2012 6:43	4.00 minutes
Injector downtime:	10/23/2012 6:31 to	10/23/2012 6:39	- 8.00 minutes
Out of Range at:	10/23/2012 6:48 to	10/23/2012 6:49	0.53 minutes
Injector downtime:	10/23/2012 6:40 to	10/23/2012 6:48	- 8.00 minutes
Out of Range at:	10/23/2012 6:54 to	10/23/2012 7:37	42.27 minutes
Injector downtime:	10/23/2012 6:49 to	10/23/2012 7:32	42.93 minutes

<u>Period Beginning 10/24/2012 08:00</u>			
Current in Range	100.00%		
Injector Availability	100.00%		
<u>Period Beginning 10/31/2012 08:00</u>			
Current in Range	99.30%		
Injector Availability	98.97%		
Out of Range at:	10/31/2012 14:41 to	10/31/2012 14:44	3.07 minutes
Injector downtime:	10/31/2012 14:33 to	10/31/2012 14:41	- 8.00 minutes
Out of Range at:	11/1/2012 0:58 to	11/1/2012 1:08	9.87 minutes
Injector downtime:	11/1/2012 0:53 to	11/1/2012 1:07	13.73 minutes
Out of Range at:	11/2/2012 21:26 to	11/2/2012 21:39	13.20 minutes
Injector downtime:	11/2/2012 21:21 to	11/2/2012 21:38	16.93 minutes
Out of Range at:	11/3/2012 21:07 to	11/3/2012 21:11	4.00 minutes
Injector downtime:	11/3/2012 20:59 to	11/3/2012 21:07	- 8.00 minutes
Out of Range at:	11/4/2012 21:54 to	11/4/2012 22:25	30.93 minutes
Injector downtime:	11/4/2012 21:49 to	11/4/2012 22:23	34.53 minutes
Out of Range at:	11/6/2012 5:52 to	11/6/2012 5:53	0.27 minutes
Injector downtime:	11/6/2012 5:44 to	11/6/2012 5:52	- 8.00 minutes

<u>Period Beginning 11/07/2012 08:00</u>			
Current in Range	99.94%		
Injector Availability	99.89%		
Out of Range at:	11/7/2012 18:08 to	11/7/2012 18:13	4.40 minutes
Injector downtime:	11/7/2012 18:00 to	11/7/2012 18:08	- 8.00 minutes
<u>Period Beginning 11/14/2012 08:00</u>			
Current in Range	99.33%		
Injector Availability	99.27%		
Out of Range at:	11/16/2012 0:42 to	11/16/2012 0:46	4.27 minutes
Injector downtime:	11/16/2012 0:34 to	11/16/2012 0:42	- 8.00 minutes
Out of Range at:	11/21/2012 11:27 to	11/21/2012 12:36	68.93 minutes
Injector downtime:	11/21/2012 11:22 to	11/21/2012 12:34	71.60 minutes

<u>Period Beginning 11/23/2012 08:00</u>			
Current in Range	99.00%		
Injector Availability	98.80%		
Out of Range at:	11/23/2012 8:00 to	11/23/2012 8:01	1.47 minutes
Injector downtime:	11/23/2012 7:52 to	11/23/2012 8:00	- 8.00 minutes
Out of Range at:	11/23/2012 10:24 to	11/23/2012 11:20	56.40 minutes
Injector downtime:	11/23/2012 10:19 to	11/23/2012 11:20	61.27 minutes

<u>Period Beginning 11/28/2012 08:00</u>			
Current in Range	98.22%		
Injector Availability	97.92%		
Out of Range at:	11/30/2012 1:57 to	11/30/2012 2:03	6.00 minutes
Injector downtime:	11/30/2012 1:49 to	11/30/2012 1:57	- 8.00 minutes
Out of Range at:	12/1/2012 1:31 to	12/1/2012 1:49	18.00 minutes
Injector downtime:	12/1/2012 1:26 to	12/1/2012 1:49	22.87 minutes
Out of Range at:	12/2/2012 3:10 to	12/2/2012 3:34	23.87 minutes
Injector downtime:	12/2/2012 3:05 to	12/2/2012 3:34	28.73 minutes
Out of Range at:	12/2/2012 18:22 to	12/2/2012 19:31	69.87 minutes
Injector downtime:	12/2/2012 18:17 to	12/2/2012 19:31	74.73 minutes
Out of Range at:	12/3/2012 11:44 to	12/3/2012 12:02	17.33 minutes
Injector downtime:	12/3/2012 11:39 to	12/3/2012 12:02	22.20 minutes
Out of Range at:	12/3/2012 22:13 to	12/3/2012 22:32	18.67 minutes
Injector downtime:	12/3/2012 22:08 to	12/3/2012 22:32	23.53 minutes

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