

Listing of Statistics for Run2-2014 (Created Tue Aug 26 11:05:12 CDT 2014)

User periods in this interval

05/28/2014 08:00 To 06/03/2014 08:00 144.00 Hours, Delivered Beam: 141.52 Hours, 2 Fault(s), 70.76 MTBF, 98.27% of Sched. Time
 06/04/2014 08:00 To 06/10/2014 08:00 144.00 Hours, Delivered Beam: 142.82 Hours, 1 Fault(s), 142.82 MTBF, 99.18% of Sched. Time
 06/11/2014 08:00 To 06/17/2014 08:00 144.00 Hours, Delivered Beam: 137.52 Hours, 3 Fault(s), 45.84 MTBF, 95.50% of Sched. Time
 06/18/2014 08:00 To 06/23/2014 08:00 120.00 Hours, Delivered Beam: 117.67 Hours, 2 Fault(s), 58.84 MTBF, 98.06% of Sched. Time
 06/25/2014 08:00 To 07/04/2014 08:00 216.00 Hours, Delivered Beam: 207.35 Hours, 2 Fault(s), 103.68 MTBF, 96.00% of Sched. Time
 07/08/2014 08:00 To 07/14/2014 08:00 144.00 Hours, Delivered Beam: 143.44 Hours, 1 Fault(s), 143.44 MTBF, 99.61% of Sched. Time
 07/16/2014 08:00 To 07/22/2014 08:00 144.00 Hours, Delivered Beam: 140.86 Hours, 3 Fault(s), 46.95 MTBF, 97.82% of Sched. Time
 07/23/2014 08:00 To 07/29/2014 08:00 144.00 Hours, Delivered Beam: 137.39 Hours, 2 Fault(s), 68.69 MTBF, 95.41% of Sched. Time
 07/30/2014 08:00 To 08/05/2014 08:00 144.00 Hours, Delivered Beam: 142.90 Hours, 2 Fault(s), 71.45 MTBF, 99.24% of Sched. Time
 08/06/2014 08:00 To 08/12/2014 08:00 144.00 Hours, Delivered Beam: 137.53 Hours, 4 Fault(s), 34.38 MTBF, 95.51% of Sched. Time
 08/13/2014 08:00 To 08/19/2014 08:00 144.00 Hours, Delivered Beam: 143.09 Hours, 1 Fault(s), 143.09 MTBF, 99.37% of Sched. Time
 08/20/2014 08:00 To 08/26/2014 08:00 144.00 Hours, Delivered Beam: 140.51 Hours, 2 Fault(s), 70.25 MTBF, 97.57% of Sched. Time

Total Amount of User Time in this interval **1775.95 Hours** Delivered Beam 1732.59 Hours
Percentage of Scheduled Time (↔) **97.56 %**
Mean Time Between Faults (MTBF) **69.30 Hours**
 Downtime During Period 43.35 Hours
 Total integrated Current During This Period 173.43 A-hr
 Mean Fill Duration in Period 66.64 Hours
 Faults per Day of Delivered Beam 0.35
 Total Number of Faults 25

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	05/28 08:00	To 05/29 02:34	18.57	IOC recovery [AOP]	0.01	
# 2	05/29 03:14	To 06/01 12:57	81.72	11BM PSS fault[SI]	0.66	Completed recovery from VXI crate repair
# 3	06/01 14:46	To 06/03 08:00	41.23	Int Dump: End of Period	1.81	Recovered systems&orbit error[1hr.SI;.82hr.Diag]
					0.00	
# 4	06/04 08:00	To 06/08 02:06	90.10	9BM PSS trip {SI}	1.18	Investigation, recovery
# 5	06/08 03:17	To 06/10 08:00	52.71	Int Dump: End of Period	-0.00	
					1.43	Beam loss from unstable RF 3 LLRF[RF]
# 7	06/11 09:25	To 06/12 11:05	25.66	Unstable RF3 LLRF [RF]	1.72	Investiation, waveguide switch & recovery
# 8	06/12 12:48	To 06/12 16:30	3.70	S13A:Q4 trip[PS]	2.40	Swapped PS, cplng increase[2.0hr-PS,0.43hr-AOP]
# 9	06/12 18:55	To 06/13 16:34	21.65	30-ID BPLD [DIAG]	0.92	Investigation and refill
# 10	06/13 17:29	To 06/17 07:59	86.51	Int Dump: End of Period	0.00	
					0.00	
# 11	06/18 08:00	To 06/18 11:38	3.64	RF LL instability[RF]	1.43	P0 feedback problem [0.82hr-RF,0.6hr-AOP]
# 12	06/18 13:04	To 06/23 00:55	107.86	Under Investigation	0.90	Investigation & refill
# 13	06/23 01:49	To 06/23 08:00	6.17	Int Dump: End of Period	-0.00	

# 14	06/25 08:00	To	06/28 21:44	85.74	30-ID BPLD trip[DIAG]	0.01	
# 15	06/28 22:34	To	06/30 21:59	47.42	Tornado Warning	0.83	Investigation, refill
# 16	06/30 22:28	To	07/03 22:30	72.05	<50mA Helios down[IT]	0.48	
# 17	07/04 05:50	To	07/04 07:59	2.15	Int Dump: End of Period	7.33	Reconfigured to run off workstations, refill
						0.00	
# 18	07/08 08:00	To	07/11 13:26	77.43	Chilled H2O DP [FMS]	0.56	Investigation & refill
# 19	07/11 13:59	To	07/14 07:59	66.01	Int Dump: End of Period	0.00	
						0.00	
# 20	07/16 08:00	To	07/17 10:51	26.85	Human error [UES]	0.95	Conditioned, recovered tripped systems, refilled
# 21	07/17 11:48	To	07/19 09:45	45.95	RF2 Crowbar[RF]	0.57	Reset system, refill
# 22	07/19 10:20	To	07/19 16:57	6.63	S17A:Q4 trip[PS]	1.61	Swapped supply, conditioned, refilled
# 23	07/19 18:34	To	07/22 07:59	61.43	Int Dump: End of Period	0.00	
						0.00	
# 24	07/23 08:00	To	07/26 01:11	65.19	BPM IOC problem[CTL]	6.04	Ctls & Diag investigation, repair, refill
# 25	07/26 07:14	To	07/27 00:51	17.62	S38 Gespac problem[PS]	0.57	P.S. Group requested conditioning, refilled.
# 26	07/27 01:25	To	07/29 07:59	54.57	Int Dump: End of Period	0.00	
						0.00	
# 27	07/30 08:00	To	07/30 09:31	1.52	S18 MPS water fault[MOM]	0.49	Investigatgion, refill
# 28	07/30 10:01	To	08/01 21:18	59.29	RF2 crowbar (RF)	0.60	Reset system, refilled
# 29	08/01 21:54	To	08/05 07:59	82.10	Int Dump: End of Period	0.00	
						0.00	
# 30	08/06 08:00	To	08/07 16:07	32.12	Corr.PS @ max.[CTL]	1.15	Conditioned, controls investigated, refilled
# 31	08/07 17:16	To	08/09 08:16	38.99	IOCS29bpm failure[CTL]	3.67	Investigation, repair, refill
# 32	08/09 11:56	To	08/11 10:22	46.43	S10B:V1 glitch [PS]	0.51	Investigation, refill
# 33	08/11 10:52	To	08/11 14:23	3.50	S10B:V1 glitch [PS]	1.12	Swapped supply, conditioned, refilled
# 34	08/11 15:30	To	08/12 07:59	16.49	Int Dump: End of Period	0.00	
						0.00	
# 35	08/13 08:00	To	08/14 21:22	37.38	S37 RF Hybrid flow[MOM]	0.91	Investigation, reset, recovered systems; refill
# 36	08/14 22:17	To	08/19 07:59	105.71	Int Dump: End of Period	0.00	
						0.00	
# 37	08/20 08:00	To	08/20 09:24	1.40	11BM EPS trip [SI]	2.47	Linac recovery, L3 P.S.;1.79hr[SI],.68hr.[PS]
# 38	08/20 11:52	To	08/22 02:54	39.04	S38 Gespac problem[PS]	1.02	Investigation, condition, refill
# 39	08/22 03:55	To	08/26 07:59	100.07	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

95.61 %

Current in Range during Delivered Beam Time	98.18 %			
Injector Availability	98.00 %			
<u>Period Beginning 05/28/2014 08:00</u>				
Current in Range	98.71 %			
Injector Availability	98.61 %			
Out of Range at:	05/29/2014 01:08:00	to	05/29/2014 02:07:20 :	59.33 minutes
Injector downtime:	05/29/2014 01:03:04	to	05/29/2014 02:07:16 :	64.20 minutes
Out of Range at:	05/31/2014 23:37:12	to	06/01/2014 00:27:12 :	50.00 minutes
Injector downtime:	05/31/2014 23:33:00	to	06/01/2014 00:27:08 :	54.13 minutes

Period Beginning 06/04/2014 08:00

Current in Range	99.34 %			
Injector Availability	99.08 %			
Out of Range at:	06/05/2014 09:56:32	to	06/05/2014 10:15:52 :	19.33 minutes
Injector downtime:	06/05/2014 09:51:36	to	06/05/2014 10:15:48 :	24.20 minutes
Out of Range at:	06/05/2014 14:32:56	to	06/05/2014 14:58:48 :	25.87 minutes
Injector downtime:	06/05/2014 14:28:00	to	06/05/2014 14:58:44 :	30.73 minutes
Out of Range at:	06/07/2014 20:09:44	to	06/07/2014 20:10:40 :	0.93 minutes
Injector downtime:	06/07/2014 20:01:44	to	06/07/2014 20:09:44 :	~ 8.00 minutes
Out of Range at:	06/08/2014 10:39:44	to	06/08/2014 10:46:56 :	7.20 minutes
Injector downtime:	06/08/2014 10:31:44	to	06/08/2014 10:39:44 :	~ 8.00 minutes
Out of Range at:	06/08/2014 23:48:24	to	06/08/2014 23:51:52 :	3.47 minutes
Injector downtime:	06/08/2014 23:40:24	to	06/08/2014 23:48:24 :	~ 8.00 minutes

Period Beginning 06/11/2014 08:00

Current in Range	99.69 %			
Injector Availability	99.60 %			
Out of Range at:	06/11/2014 16:03:04	to	06/11/2014 16:19:12 :	16.13 minutes
Injector downtime:	06/11/2014 15:58:08	to	06/11/2014 16:16:48 :	18.67 minutes
Out of Range at:	06/14/2014 14:06:08	to	06/14/2014 14:15:20 :	9.20 minutes
Injector downtime:	06/14/2014 14:01:12	to	06/14/2014 14:15:16 :	14.07 minutes

Period Beginning 06/18/2014 08:00

Current in Range	98.15 %			
Injector Availability	97.84 %			
Out of Range at:	06/18/2014 10:52:08	to	06/18/2014 10:53:28 :	1.33 minutes
Injector downtime:	06/18/2014 10:44:08	to	06/18/2014 10:52:08 :	~ 8.00 minutes
Out of Range at:	06/20/2014 14:56:32	to	06/20/2014 17:00:40 :	124.13 minutes
Injector downtime:	06/20/2014 14:51:36	to	06/20/2014 16:59:52 :	128.27 minutes
Out of Range at:	06/21/2014 23:38:16	to	06/21/2014 23:41:04 :	2.80 minutes
Injector downtime:	06/21/2014 23:30:16	to	06/21/2014 23:38:16 :	~ 8.00 minutes
Out of Range at:	06/23/2014 00:53:44	to	06/23/2014 00:55:44 :	2.00 minutes
Injector downtime:	06/23/2014 00:45:44	to	06/23/2014 00:53:44 :	~ 8.00 minutes

Period Beginning 06/25/2014 08:00

Current in Range 98.02 %
 Injector Availability 97.80 %

Out of Range at:	06/25/2014 08:00:24	to	06/25/2014 08:07:28 :	7.07 minutes
Injector downtime:	06/25/2014 07:52:24	to	06/25/2014 08:00:24 :	~ 8.00 minutes
Out of Range at:	06/25/2014 12:13:44	to	06/25/2014 12:49:12 :	35.47 minutes
Injector downtime:	06/25/2014 12:08:48	to	06/25/2014 12:48:00 :	39.20 minutes
Out of Range at:	06/28/2014 00:13:12	to	06/28/2014 00:13:44 :	0.53 minutes
Injector downtime:	06/28/2014 00:05:12	to	06/28/2014 00:13:12 :	~ 8.00 minutes
Out of Range at:	06/28/2014 00:42:00	to	06/28/2014 00:43:44 :	1.73 minutes
Injector downtime:	06/28/2014 00:34:00	to	06/28/2014 00:42:00 :	~ 8.00 minutes
Out of Range at:	06/28/2014 22:34:32	to	06/28/2014 22:41:36 :	7.07 minutes
Injector downtime:	06/28/2014 22:26:32	to	06/28/2014 22:34:32 :	~ 8.00 minutes
Out of Range at:	06/30/2014 22:28:16	to	06/30/2014 22:47:52 :	19.60 minutes
Injector downtime:	06/30/2014 22:23:20	to	06/30/2014 22:46:32 :	23.20 minutes
Out of Range at:	07/03/2014 19:07:04	to	07/03/2014 22:01:44 :	174.67 minutes
Injector downtime:	07/03/2014 19:02:08	to	07/03/2014 22:01:40 :	179.53 minutes

Period Beginning 07/08/2014 08:00

Current in Range 94.94 %
 Injector Availability 94.76 %

Out of Range at:	07/09/2014 00:18:16	to	07/09/2014 04:45:20 :	267.07 minutes
Injector downtime:	07/09/2014 00:13:20	to	07/09/2014 04:43:52 :	270.53 minutes
Out of Range at:	07/09/2014 04:59:52	to	07/09/2014 07:40:48 :	160.93 minutes
Injector downtime:	07/09/2014 04:54:56	to	07/09/2014 07:39:20 :	164.40 minutes
Out of Range at:	07/11/2014 13:59:44	to	07/11/2014 14:01:12 :	1.47 minutes
Injector downtime:	07/11/2014 13:51:44	to	07/11/2014 13:59:44 :	~ 8.00 minutes
Out of Range at:	07/14/2014 07:53:28	to	07/14/2014 07:59:52 :	6.40 minutes
Injector downtime:	07/14/2014 07:45:28	to	07/14/2014 07:53:28 :	~ 8.00 minutes

Period Beginning 07/16/2014 08:00

Current in Range 98.28 %
 Injector Availability 97.99 %

Out of Range at:	07/17/2014 00:01:04	to	07/17/2014 00:19:44 :	18.67 minutes
Injector downtime:	07/16/2014 23:56:08	to	07/17/2014 00:17:28 :	21.33 minutes
Out of Range at:	07/18/2014 21:11:04	to	07/18/2014 21:13:36 :	2.53 minutes
Injector downtime:	07/18/2014 21:03:04	to	07/18/2014 21:11:04 :	~ 8.00 minutes
Out of Range at:	07/18/2014 22:09:04	to	07/18/2014 22:13:28 :	4.40 minutes
Injector downtime:	07/18/2014 22:01:04	to	07/18/2014 22:09:04 :	~ 8.00 minutes
Out of Range at:	07/19/2014 05:09:28	to	07/19/2014 05:16:24 :	6.93 minutes
Injector downtime:	07/19/2014 05:01:28	to	07/19/2014 05:09:28 :	~ 8.00 minutes
Out of Range at:	07/19/2014 16:26:56	to	07/19/2014 16:35:04 :	8.13 minutes
Injector downtime:	07/19/2014 16:18:56	to	07/19/2014 16:26:56 :	~ 8.00 minutes

Out of Range at:	07/20/2014 02:28:16	to	07/20/2014 02:32:32 :	4.27 minutes
Injector downtime:	07/20/2014 02:20:16	to	07/20/2014 02:28:16 :	~ 8.00 minutes
Out of Range at:	07/21/2014 05:21:20	to	07/21/2014 05:25:44 :	4.40 minutes
Injector downtime:	07/21/2014 05:13:20	to	07/21/2014 05:21:20 :	~ 8.00 minutes
Out of Range at:	07/21/2014 10:58:24	to	07/21/2014 12:34:16 :	95.87 minutes
Injector downtime:	07/21/2014 10:53:28	to	07/21/2014 12:34:12 :	100.73 minutes

Period Beginning 07/23/2014 08:00

Current in Range	99.78 %
Injector Availability	99.67 %

Out of Range at:	07/23/2014 14:57:12	to	07/23/2014 15:00:56 :	3.73 minutes
Injector downtime:	07/23/2014 14:49:12	to	07/23/2014 14:57:12 :	~ 8.00 minutes
Out of Range at:	07/26/2014 00:57:20	to	07/26/2014 01:11:20 :	14.00 minutes
Injector downtime:	07/26/2014 00:52:24	to	07/26/2014 01:11:16 :	18.87 minutes

Period Beginning 07/30/2014 08:00

Current in Range	98.69 %
Injector Availability	98.54 %

Out of Range at:	07/31/2014 08:36:16	to	07/31/2014 10:04:08 :	87.87 minutes
Injector downtime:	07/31/2014 08:31:20	to	07/31/2014 10:04:04 :	92.73 minutes
Out of Range at:	07/31/2014 16:34:00	to	07/31/2014 16:50:00 :	16.00 minutes
Injector downtime:	07/31/2014 16:29:04	to	07/31/2014 16:47:44 :	18.67 minutes
Out of Range at:	08/01/2014 08:49:28	to	08/01/2014 08:58:16 :	8.80 minutes
Injector downtime:	08/01/2014 08:44:32	to	08/01/2014 08:58:12 :	13.67 minutes

Period Beginning 08/06/2014 08:00

Current in Range	96.37 %
Injector Availability	96.20 %

Out of Range at:	08/06/2014 15:53:28	to	08/06/2014 16:42:48 :	49.33 minutes
Injector downtime:	08/06/2014 15:48:32	to	08/06/2014 16:42:44 :	54.20 minutes
Out of Range at:	08/07/2014 20:57:52	to	08/08/2014 00:30:24 :	212.53 minutes
Injector downtime:	08/07/2014 20:52:56	to	08/08/2014 00:29:36 :	216.67 minutes
Out of Range at:	08/08/2014 17:51:52	to	08/08/2014 18:29:44 :	37.87 minutes
Injector downtime:	08/08/2014 17:46:56	to	08/08/2014 18:29:40 :	42.73 minutes

The information on this page is automatically generated and may contain errors.
An official operations statistics page will be posted at the end of each user period.