

Listing of Statistics for Run2-2016 (Created Thu Aug 25 09:33:13 CDT 2016)

User periods in this interval

06/01/2016 08:00 To 06/06/2016 08:01 120.02 Hours, Delivered Beam: 119.49 Hours, 1 Fault(s),119.49 MTBF, 99.56% of Sched. Time
 06/07/2016 08:01 To 06/13/2016 08:01 144.00 Hours, Delivered Beam: 143.98 Hours, 0 Fault(s),143.98 MTBF, 99.99% of Sched. Time
 06/14/2016 08:00 To 06/20/2016 08:01 144.02 Hours, Delivered Beam: 136.73 Hours, 3 Fault(s), 45.58 MTBF, 94.94% of Sched. Time
 06/21/2016 08:01 To 06/27/2016 08:01 144.00 Hours, Delivered Beam: 143.79 Hours, 1 Fault(s),143.79 MTBF, 99.86% of Sched. Time
 06/29/2016 08:00 To 07/04/2016 08:01 120.02 Hours, Delivered Beam: 120.00 Hours, 0 Fault(s),120.00 MTBF, 99.98% of Sched. Time
 07/05/2016 08:01 To 07/11/2016 08:01 144.00 Hours, Delivered Beam: 143.98 Hours, 0 Fault(s),143.98 MTBF, 99.99% of Sched. Time
 07/12/2016 08:01 To 07/18/2016 08:01 144.00 Hours, Delivered Beam: 143.98 Hours, 0 Fault(s),143.98 MTBF, 99.99% of Sched. Time
 07/19/2016 08:01 To 07/25/2016 08:01 144.00 Hours, Delivered Beam: 142.30 Hours, 3 Fault(s), 47.43 MTBF, 98.82% of Sched. Time
 07/27/2016 08:01 To 08/01/2016 08:01 120.00 Hours, Delivered Beam: 117.72 Hours, 2 Fault(s), 58.86 MTBF, 98.10% of Sched. Time
 08/02/2016 08:01 To 08/08/2016 08:01 144.00 Hours, Delivered Beam: 140.02 Hours, 1 Fault(s),140.02 MTBF, 97.24% of Sched. Time
 08/09/2016 08:00 To 08/15/2016 08:00 144.00 Hours, Delivered Beam: 141.88 Hours, 1 Fault(s),141.88 MTBF, 98.53% of Sched. Time
 08/16/2016 08:01 To 08/24/2016 08:01 192.00 Hours, Delivered Beam: 184.48 Hours, 4 Fault(s), 46.12 MTBF, 96.08% of Sched. Time

Total Amount of User Time in this interval **1704.00 Hours** Delivered Beam 1678.36 Hours
Percentage of Scheduled Time (*) **98.50 %**
Mean Time Between Faults (MTBF) **104.90 Hours**
 Downtime During Period 25.64 Hours
 Total integrated Current During This Period 168.58 A-hr
 Mean Fill Duration in Period 98.73 Hours
 Faults per Day of Delivered Beam 0.23
 Total Number of Faults 16

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	06/01 08:00	To 06/01 20:29	12.49	S40B:V4 P.S. glitch[PS]	0.51	Investigation, refill
# 2	06/01 20:59	To 06/06 08:00	107.01	Int Dump: End of Period	0.02	
# 3	06/07 08:01	To 06/13 07:59	143.98	Int Dump: End of Period	0.02	
# 4	06/14 08:10	To 06/15 08:49	24.66	S2A:Q2 P.S. trip[PS]	1.52	Replaced BSP100 board for iocs24abpm [DIAG] Repaired leak, dried supplies, conditioned
# 5	06/15 10:21	To 06/17 02:02	39.68	RF PSS WG Air Flg[RF]	2.10	Recovered, P.S. problem 1.25hr[RF], .85hr[PS]
# 6	06/17 04:08	To 06/19 21:26	65.30	RF Cav Blwr Flt [RF]	3.47	Reset, 2nd loss-S10B:Q4 P.S.trip .8hr[RF],2.7hr[PS]
# 8	06/20 00:55	To 06/20 07:59	7.08	Int Dump: End of Period	0.02	
# 9	06/21 08:01	To 06/21 20:09	12.14	P0 feedback [AOP]	0.19	Partial loss (80mA) refilled to 65mA
# 10	06/21 20:20	To 06/27 07:59	131.65	Int Dump: End of Period	0.02	

						0.00	
# 11	06/29 08:00	To	07/04 08:00	120.00	Int Dump: End of Period	0.02	
						0.00	
# 12	07/05 08:01	To	07/11 07:59	143.98	Int Dump: End of Period	0.02	
						0.00	
# 13	07/12 08:01	To	07/18 07:59	143.98	Int Dump: End of Period	0.02	
						0.00	
# 14	07/19 08:01	To	07/20 09:38	25.62	RF4 HV glitch [RF]	0.51	Investigation Refill
# 15	07/20 10:08	To	07/21 07:45	21.61	SR IK glitch [PS]	0.57	Investigation, Refill
# 16	07/21 08:19	To	07/24 07:45	71.43	SR IK glitch [KS]	0.60	Investigation refill
# 17	07/24 08:21	To	07/25 07:59	23.64	Int Dump: End of Period	0.02	
						0.00	
# 18	07/27 08:01	To	07/28 14:28	30.46	Power event [Other]	2.14	Multiple systems recovered
# 19	07/28 16:37	To	07/28 18:03	1.44	Partial beam loss[??]	0.12	Investigation, fill-on-fill
# 20	07/28 18:10	To	08/01 07:59	85.82	Int Dump: End of Period	0.02	
						0.00	
# 21	08/02 08:01	To	08/06 13:42	101.68	8BM EPS fault[SI]	3.96	Replaced controller, refilled ring[SI]
# 22	08/06 17:39	To	08/08 08:00	38.34	Int Dump: End of Period	0.02	
						0.00	
# 23	08/09 08:00	To	08/13 21:57	109.95	P.S. failed[PS]	2.12	P.S. swap, 2nd swap 1.1hr[ASD-PS],1.0hr[ASD[AOP]
# 24	08/14 00:04	To	08/15 07:59	31.93	Int Dump: End of Period	0.00	
						2.29	S11A:P1 Rcvr card failed,validation,refill[ASD-DIA]
# 25	08/16 10:18	To	08/18 05:34	43.27	Under investigation	0.51	recovered RF4, investigation, refill
# 26	08/18 06:05	To	08/19 08:29	26.41	10B:Q2 P.S.failed[PS]	1.73	Swap, 2nd failure, DAC card swap, refilled
# 28	08/19 10:13	To	08/19 15:06	4.89	S4 P.S. glitch[PS]	1.52	2nd loss on same, refill
# 30	08/19 16:38	To	08/20 10:24	17.78	S4A:S2 P.S.failed[PS]	1.45	Swapped out supply, conditioned, refilled
# 31	08/20 11:51	To	08/24 07:59	92.14	Int Dump: End of Period	0.02	

Top-Up Mode Statistics

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

Total	
Current in Range during Scheduled Topup Time	95.23 %
Current in Range during Delivered Beam Time	96.87 %
Injector Availability	96.62 %

Period Beginning 06/01/2016 08:00

Current in Range 90.18 %
Injector Availability 89.27 %

Out of Range at:	06/02/2016 01:27:20	to	06/02/2016 01:59:28 :	32.13 minutes
Injector downtime:	06/02/2016 01:22:24	to	06/02/2016 01:57:12 :	34.80 minutes
Out of Range at:	06/02/2016 16:04:40	to	06/02/2016 16:32:56 :	28.27 minutes
Injector downtime:	06/02/2016 15:59:44	to	06/02/2016 16:32:52 :	33.13 minutes
Out of Range at:	06/02/2016 21:52:48	to	06/02/2016 22:16:56 :	24.13 minutes
Injector downtime:	06/02/2016 21:47:52	to	06/02/2016 22:16:52 :	29.00 minutes
Out of Range at:	06/03/2016 11:05:04	to	06/03/2016 11:32:16 :	27.20 minutes
Injector downtime:	06/03/2016 11:00:08	to	06/03/2016 11:32:12 :	32.07 minutes
Out of Range at:	06/04/2016 14:11:36	to	06/04/2016 14:39:12 :	27.60 minutes
Injector downtime:	06/04/2016 14:06:40	to	06/04/2016 14:36:56 :	30.27 minutes
Out of Range at:	06/04/2016 23:02:32	to	06/04/2016 23:29:04 :	26.53 minutes
Injector downtime:	06/04/2016 22:57:36	to	06/04/2016 23:29:00 :	31.40 minutes
Out of Range at:	06/05/2016 00:13:04	to	06/05/2016 01:21:12 :	68.13 minutes
Injector downtime:	06/05/2016 00:08:08	to	06/05/2016 01:21:08 :	73.00 minutes
Out of Range at:	06/05/2016 01:33:44	to	06/05/2016 02:08:08 :	34.40 minutes
Injector downtime:	06/05/2016 01:28:48	to	06/05/2016 02:08:04 :	39.27 minutes
Out of Range at:	06/05/2016 02:36:40	to	06/05/2016 04:23:04 :	106.40 minutes
Injector downtime:	06/05/2016 02:31:44	to	06/05/2016 04:23:00 :	111.27 minutes
Out of Range at:	06/05/2016 12:42:24	to	06/05/2016 15:31:12 :	168.80 minutes
Injector downtime:	06/05/2016 12:37:28	to	06/05/2016 15:31:08 :	173.67 minutes
Out of Range at:	06/05/2016 16:10:40	to	06/05/2016 17:25:20 :	74.67 minutes
Injector downtime:	06/05/2016 16:05:44	to	06/05/2016 17:24:48 :	79.07 minutes
Out of Range at:	06/05/2016 17:50:32	to	06/05/2016 18:12:08 :	21.60 minutes
Injector downtime:	06/05/2016 17:45:36	to	06/05/2016 18:12:04 :	26.47 minutes
Out of Range at:	06/05/2016 18:37:44	to	06/05/2016 18:38:40 :	0.93 minutes
Injector downtime:	06/05/2016 18:29:44	to	06/05/2016 18:37:44 :	~ 8.00 minutes
Out of Range at:	06/05/2016 19:35:44	to	06/05/2016 20:38:56 :	63.20 minutes
Injector downtime:	06/05/2016 19:30:48	to	06/05/2016 20:38:52 :	68.07 minutes

Period Beginning 06/07/2016 08:01

Current in Range 97.41 %
Injector Availability 97.21 %

Out of Range at:	06/09/2016 01:10:24	to	06/09/2016 02:41:28 :	91.07 minutes
Injector downtime:	06/09/2016 01:05:28	to	06/09/2016 02:39:12 :	93.73 minutes
Out of Range at:	06/09/2016 09:02:16	to	06/09/2016 09:25:52 :	23.60 minutes

Injector downtime:	06/09/2016 08:57:20	to	06/09/2016 09:25:48 :	28.47 minutes
Out of Range at:	06/11/2016 01:50:24	to	06/11/2016 02:18:48 :	28.40 minutes
Injector downtime:	06/11/2016 01:45:28	to	06/11/2016 02:16:32 :	31.07 minutes
Out of Range at:	06/11/2016 03:00:56	to	06/11/2016 03:39:28 :	38.53 minutes
Injector downtime:	06/11/2016 02:56:00	to	06/11/2016 03:37:12 :	41.20 minutes
Out of Range at:	06/12/2016 19:15:04	to	06/12/2016 19:57:04 :	42.00 minutes
Injector downtime:	06/12/2016 19:10:08	to	06/12/2016 19:57:00 :	46.87 minutes

Period Beginning 06/14/2016 08:00

Current in Range	98.32 %
Injector Availability	98.14 %

Out of Range at:	06/14/2016 12:15:20	to	06/14/2016 12:47:28 :	32.13 minutes
Injector downtime:	06/14/2016 12:10:24	to	06/14/2016 12:47:24 :	37.00 minutes
Out of Range at:	06/16/2016 01:14:08	to	06/16/2016 02:14:56 :	60.80 minutes
Injector downtime:	06/16/2016 01:09:12	to	06/16/2016 02:14:52 :	65.67 minutes
Out of Range at:	06/16/2016 04:37:28	to	06/16/2016 05:22:24 :	44.93 minutes
Injector downtime:	06/16/2016 04:32:32	to	06/16/2016 05:22:20 :	49.80 minutes

Period Beginning 06/21/2016 08:01

Current in Range	95.20 %
Injector Availability	95.04 %

Out of Range at:	06/21/2016 14:37:28	to	06/21/2016 16:05:44 :	88.27 minutes
Injector downtime:	06/21/2016 14:32:32	to	06/21/2016 16:04:32 :	92.00 minutes
Out of Range at:	06/21/2016 20:20:56	to	06/21/2016 21:03:52 :	42.93 minutes
Injector downtime:	06/21/2016 20:16:00	to	06/21/2016 21:02:24 :	46.40 minutes
Out of Range at:	06/22/2016 15:25:04	to	06/22/2016 15:33:20 :	8.27 minutes
Injector downtime:	06/22/2016 15:20:08	to	06/22/2016 15:33:16 :	13.13 minutes
Out of Range at:	06/22/2016 15:37:28	to	06/22/2016 18:30:40 :	173.20 minutes
Injector downtime:	06/22/2016 15:37:32	to	06/22/2016 18:29:52 :	172.33 minutes
Out of Range at:	06/24/2016 08:15:36	to	06/24/2016 09:57:12 :	101.60 minutes
Injector downtime:	06/24/2016 08:10:40	to	06/24/2016 09:54:56 :	104.27 minutes

Period Beginning 06/29/2016 08:00

Current in Range	96.72 %
Injector Availability	96.50 %

Out of Range at:	06/29/2016 19:23:36	to	06/29/2016 19:44:48 :	21.20 minutes
Injector downtime:	06/29/2016 19:18:40	to	06/29/2016 19:43:28 :	24.80 minutes

Out of Range at:	06/30/2016 17:44:08	to	06/30/2016 18:06:56 :	22.80 minutes
Injector downtime:	06/30/2016 17:39:12	to	06/30/2016 18:05:36 :	26.40 minutes
Out of Range at:	07/01/2016 15:50:40	to	07/01/2016 17:04:00 :	73.33 minutes
Injector downtime:	07/01/2016 15:45:44	to	07/01/2016 17:03:24 :	77.67 minutes
Out of Range at:	07/01/2016 22:22:32	to	07/02/2016 00:21:28 :	118.93 minutes
Injector downtime:	07/01/2016 22:17:36	to	07/02/2016 00:20:56 :	123.33 minutes

Period Beginning 07/05/2016 08:01

Current in Range	98.08 %
Injector Availability	97.85 %

Out of Range at:	07/06/2016 02:42:00	to	07/06/2016 03:22:56 :	40.93 minutes
Injector downtime:	07/06/2016 02:37:04	to	07/06/2016 03:21:36 :	44.53 minutes
Out of Range at:	07/08/2016 06:22:56	to	07/08/2016 06:50:24 :	27.47 minutes
Injector downtime:	07/08/2016 06:18:00	to	07/08/2016 06:50:20 :	32.33 minutes
Out of Range at:	07/09/2016 03:17:44	to	07/09/2016 03:54:24 :	36.67 minutes
Injector downtime:	07/09/2016 03:12:48	to	07/09/2016 03:53:20 :	40.53 minutes
Out of Range at:	07/10/2016 14:34:24	to	07/10/2016 15:05:12 :	30.80 minutes
Injector downtime:	07/10/2016 14:29:28	to	07/10/2016 15:04:00 :	34.53 minutes
Out of Range at:	07/10/2016 17:57:44	to	07/10/2016 18:28:08 :	30.40 minutes
Injector downtime:	07/10/2016 17:52:48	to	07/10/2016 18:26:48 :	34.00 minutes

Period Beginning 07/27/2016 08:01

Current in Range	97.01 %
Injector Availability	96.62 %

Out of Range at:	07/28/2016 18:10:56	to	07/28/2016 18:13:04 :	2.13 minutes
Injector downtime:	07/28/2016 18:02:56	to	07/28/2016 18:10:56 :	~ 8.00 minutes
Out of Range at:	07/29/2016 07:31:28	to	07/29/2016 07:53:44 :	22.27 minutes
Injector downtime:	07/29/2016 07:26:32	to	07/29/2016 07:53:40 :	27.13 minutes
Out of Range at:	07/30/2016 10:34:16	to	07/30/2016 10:50:08 :	15.87 minutes
Injector downtime:	07/30/2016 10:29:20	to	07/30/2016 10:50:04 :	20.73 minutes
Out of Range at:	07/30/2016 11:12:32	to	07/30/2016 12:03:04 :	50.53 minutes
Injector downtime:	07/30/2016 11:07:36	to	07/30/2016 12:03:00 :	55.40 minutes
Out of Range at:	07/30/2016 20:02:56	to	07/30/2016 20:30:08 :	27.20 minutes
Injector downtime:	07/30/2016 19:58:00	to	07/30/2016 20:30:04 :	32.07 minutes
Out of Range at:	07/30/2016 20:36:00	to	07/30/2016 22:09:04 :	93.07 minutes
Injector downtime:	07/30/2016 20:31:04	to	07/30/2016 22:06:48 :	95.73 minutes

Period Beginning 08/02/2016 08:01

Current in Range 97.70 %
Injector Availability 97.59 %

Out of Range at: 08/05/2016 02:30:00 to 08/05/2016 05:30:32 : 180.53 minutes
Injector downtime: 08/05/2016 02:25:04 to 08/05/2016 05:29:52 : 184.80 minutes
Out of Range at: 08/08/2016 05:15:12 to 08/08/2016 05:27:52 : 12.67 minutes
Injector downtime: 08/08/2016 05:10:16 to 08/08/2016 05:27:48 : 17.53 minutes

Period Beginning 08/09/2016 08:00

Current in Range 96.35 %
Injector Availability 96.14 %

Out of Range at: 08/10/2016 06:52:40 to 08/10/2016 10:40:24 : 227.73 minutes
Injector downtime: 08/10/2016 06:47:44 to 08/10/2016 10:39:36 : 231.87 minutes
Out of Range at: 08/13/2016 17:07:04 to 08/13/2016 17:13:36 : 6.53 minutes
Injector downtime: 08/13/2016 16:59:04 to 08/13/2016 17:07:04 : ~ 8.00 minutes
Out of Range at: 08/13/2016 19:22:32 to 08/13/2016 19:48:08 : 25.60 minutes
Injector downtime: 08/13/2016 19:17:36 to 08/13/2016 19:48:04 : 30.47 minutes
Out of Range at: 08/13/2016 20:48:56 to 08/13/2016 21:00:56 : 12.00 minutes
Injector downtime: 08/13/2016 20:44:00 to 08/13/2016 20:58:40 : 14.67 minutes
Out of Range at: 08/13/2016 21:18:16 to 08/13/2016 21:57:12 : 38.93 minutes
Injector downtime: 08/13/2016 21:13:20 to 08/13/2016 21:57:08 : 43.80 minutes

Period Beginning 08/16/2016 08:01

Current in Range 99.82 %
Injector Availability 99.80 %

Out of Range at: 08/23/2016 10:53:44 to 08/23/2016 11:13:36 : 19.87 minutes
Injector downtime: 08/23/2016 10:48:48 to 08/23/2016 11:11:20 : 22.53 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.