

Listing of Statistics for Run1-2015 (Created Tue May 12 12:39:00 CDT 2015)

User periods in this interval

02/03/2015 08:00 To 02/10/2015 08:00 168.00 Hours, Delivered Beam: 158.68 Hours, 2 Fault(s), 79.34 MTBF, 94.45% of Sched. Time

02/11/2015 08:00 To 02/17/2015 08:00 144.00 Hours, Delivered Beam: 143.68 Hours, 1 Fault(s), 143.68 MTBF, 99.78% of Sched. Time

02/18/2015 08:00 To 02/24/2015 08:00 144.00 Hours, Delivered Beam: 142.59 Hours, 2 Fault(s), 71.30 MTBF, 99.02% of Sched. Time

02/25/2015 08:00 To 03/02/2015 08:00 120.00 Hours, Delivered Beam: 117.95 Hours, 2 Fault(s), 58.97 MTBF, 98.29% of Sched. Time

03/04/2015 08:01 To 03/10/2015 08:00 142.98 Hours, Delivered Beam: 142.50 Hours, 0 Fault(s), 142.50 MTBF, 99.66% of Sched. Time

03/11/2015 08:00 To 03/17/2015 08:00 144.00 Hours, Delivered Beam: 143.24 Hours, 1 Fault(s), 143.24 MTBF, 99.48% of Sched. Time

03/18/2015 08:00 To 03/24/2015 08:00 144.00 Hours, Delivered Beam: 139.23 Hours, 3 Fault(s), 46.41 MTBF, 96.69% of Sched. Time

03/25/2015 08:00 To 03/31/2015 08:00 144.00 Hours, Delivered Beam: 138.88 Hours, 2 Fault(s), 69.44 MTBF, 96.44% of Sched. Time

04/01/2015 08:00 To 04/07/2015 08:00 144.00 Hours, Delivered Beam: 144.00 Hours, 0 Fault(s), 144.00 MTBF, 100.00% of Sched. Time

04/08/2015 08:00 To 04/14/2015 08:00 144.00 Hours, Delivered Beam: 142.09 Hours, 1 Fault(s), 142.09 MTBF, 98.67% of Sched. Time

04/15/2015 08:00 To 04/21/2015 08:00 144.00 Hours, Delivered Beam: 143.31 Hours, 1 Fault(s), 143.31 MTBF, 99.52% of Sched. Time

04/22/2015 08:00 To 04/28/2015 08:00 144.00 Hours, Delivered Beam: 142.23 Hours, 2 Fault(s), 71.12 MTBF, 98.77% of Sched. Time

Total Amount of User Time in this interval **1726.94 Hours** Delivered Beam 1698.38 Hours

Percentage of Scheduled Time (*) **98.35 %**
Mean Time Between Faults (MTBF) **99.90 Hours**
Downtime During Period 28.55 Hours
Total integrated Current During This Period 170.04 A-hr
Mean Fill Duration in Period 94.35 Hours
Faults per Day of Delivered Beam 0.24
Total Number of Faults 17

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
# 1	02/03 16:24	To 02/04 13:18	20.89	P0 feedback adj. [AOP]	8.41	RG2 Thyratron re
# 2	02/04 13:41	To 02/05 15:25	25.73	RF2 crowbar fault[RF]	0.38	Recovery, refill
# 3	02/05 15:56	To 02/10 07:59	112.06	Int Dump: End of Period	0.52	Recovery, refill
					0.00	
# 4	02/11 08:00	To 02/13 08:52	48.87	S14 Low Flow Flt[MOM]	0.00	
# 5	02/13 09:11	To 02/17 07:59	94.82	Int Dump: End of Period	0.32	Investigation and
					0.00	
# 6	02/18 08:00	To 02/21 10:50	74.84	S3A:V3 glitch[PS]	0.95	Refill, add. 8A:PC
# 7	02/21 11:47	To 02/21 15:22	3.58	6ID PSS trip [SI]	0.45	Beamline offline,
# 8	02/21 15:49	To 02/24 07:59	64.17	Int Dump: End of Period	0.00	
					0.00	
# 9	02/25 08:00	To 02/27 23:39	63.66	S3A:V3 P.S. glitch[PS]	1.26	Swapped supply,
# 10	02/28 00:54	To 03/01 11:40	34.76	Power event [OTH]	0.79	Conditioned secto

# 11	03/01 12:27	To	03/02 07:59	19.53	Int Dump: End of Period	0.00	
# 12	03/04 08:30	To	03/10 07:59	142.50	Int Dump: End of Period	0.49	iocs3fb module sv
# 13	03/11 08:19	To	03/17 06:19	141.99	S40A:MT noise [PS]	0.32	Software misread
# 14	03/17 06:44	To	03/17 07:59	1.25	Int Dump: End of Period	0.43	Investigation, refi
# 15	03/18 09:15	To	03/19 13:08	27.89	P0 fdbk instability[AOP]	0.00	
# 16	03/19 15:06	To	03/21 17:08	50.03	6ID PSS trip [OTHER]	1.26	RG2 kicker, acces
# 17	03/21 18:17	To	03/23 09:22	39.07	S37 RF Cav. IG fault[RF]	1.96	Investigation, refi
# 18	03/23 09:46	To	03/24 07:59	22.23	Int Dump: End of Period	1.15	Recovered tripped
# 20	03/25 08:23	To	03/26 02:23	17.99	26ID BPLD failed[DIAG]	0.40	S40 RF Cav. Pow
# 21	03/26 04:52	To	03/29 09:36	76.74	P0 fdbk instability[AOP]	2.48	Investigation, rep
# 22	03/29 11:51	To	03/31 07:59	44.14	Int Dump: End of Period	2.24	Investigation, set-
# 23	04/01 08:00	To	04/07 07:59	144.00	Int Dump: End of Period	0.00	
# 24	04/08 08:00	To	04/12 21:19	109.32	S8B:Q5 P.S. failed[PS]	0.00	
# 25	04/12 23:13	To	04/14 07:59	32.77	Int Dump: End of Period	1.91	Swapped 2 p.s., c
# 26	04/15 08:00	To	04/15 21:01	13.03	9BM PSS trip[SI]	0.00	
# 27	04/15 21:43	To	04/21 07:59	130.28	Int Dump: End of Period	0.69	Conditioned, refil

# 29	04/22 08:34	To	04/24 15:11	54.63	S37/38 Absorb. Flow[MOM]	0.57	RF2 Crowbar trip
# 30	04/24 15:44	To	04/27 15:59	72.25	31IDBPLD trip [UNKN]	0.54	Reset and refilled
# 31	04/27 16:39	To	04/28 07:59	15.35	Int Dump: End of Period	0.66	Recovered injecto
						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	97.35 %
Current in Range during Delivered Beam Time	99.15 %
Injector Availability	99.09 %

Period Beginning 02/03/2015 08:00

Current in Range	99.27 %
Injector Availability	99.15 %

Out of Range at:	02/03/2015 16:35:04	to	02/03/2015 16:59:12 :	24.13 minutes
Injector downtime:	02/03/2015 16:30:40	to	02/03/2015 16:56:56 :	26.27 minutes
Out of Range at:	02/04/2015 12:43:28	to	02/04/2015 13:18:16 :	34.80 minutes
Injector downtime:	02/04/2015 12:38:32	to	02/04/2015 13:18:12 :	39.67 minutes
Out of Range at:	02/09/2015 15:46:00	to	02/09/2015 15:56:08 :	10.13 minutes
Injector downtime:	02/09/2015 15:41:04	to	02/09/2015 15:56:04 :	15.00 minutes

Period Beginning 02/11/2015 08:00

Current in Range 100.00 %
Injector Availability 100.00 %

Period Beginning 02/18/2015 08:00

Current in Range 99.89 %
Injector Availability 99.81 %

Out of Range at: 02/21/2015 22:44:08 to 02/21/2015 22:50:16 : 6.13 minutes
Injector downtime: 02/21/2015 22:36:08 to 02/21/2015 22:44:08 : ~ 8.00 minutes
Out of Range at: 02/23/2015 06:27:28 to 02/23/2015 06:31:04 : 3.60 minutes
Injector downtime: 02/23/2015 06:19:28 to 02/23/2015 06:27:28 : ~ 8.00 minutes

Period Beginning 02/25/2015 08:00

Current in Range 99.27 %
Injector Availability 99.08 %

Out of Range at: 02/26/2015 00:16:00 to 02/26/2015 00:24:08 : 8.13 minutes
Injector downtime: 02/26/2015 00:08:00 to 02/26/2015 00:16:00 : ~ 8.00 minutes
Out of Range at: 02/26/2015 00:30:00 to 02/26/2015 00:32:08 : 2.13 minutes
Injector downtime: 02/26/2015 00:22:00 to 02/26/2015 00:30:00 : ~ 8.00 minutes
Out of Range at: 02/26/2015 04:36:08 to 02/26/2015 04:50:32 : 14.40 minutes
Injector downtime: 02/26/2015 04:31:12 to 02/26/2015 04:50:28 : 19.27 minutes
Out of Range at: 02/26/2015 10:46:48 to 02/26/2015 11:14:00 : 27.20 minutes
Injector downtime: 02/26/2015 10:41:52 to 02/26/2015 11:11:52 : 30.00 minutes

Period Beginning 03/04/2015 08:01

Current in Range 100.00 %
Injector Availability 100.00 %

Period Beginning 03/11/2015 08:00

Current in Range 99.04 %
Injector Availability 99.01 %

Out of Range at: 03/12/2015 15:42:56 to 03/12/2015 17:05:12 : 82.27 minutes
Injector downtime: 03/12/2015 15:38:00 to 03/12/2015 17:02:56 : 84.93 minutes

Period Beginning 03/18/2015 08:00

Current in Range 97.00 %
Injector Availability 96.91 %

Out of Range at: 03/18/2015 09:56:00 to 03/18/2015 13:24:08 : 208.13 minutes
Injector downtime: 03/18/2015 09:51:44 to 03/18/2015 13:22:00 : 210.27 minutes
Out of Range at: 03/18/2015 14:06:16 to 03/18/2015 14:49:04 : 42.80 minutes
Injector downtime: 03/18/2015 14:01:20 to 03/18/2015 14:49:00 : 47.67 minutes

Period Beginning 03/25/2015 08:00

Current in Range 97.27 %
Injector Availability 97.21 %

Out of Range at: 03/29/2015 19:53:20 to 03/29/2015 20:00:24 : 7.07 minutes
Injector downtime: 03/29/2015 19:45:20 to 03/29/2015 19:53:20 : ~ 8.00 minutes

Out of Range at: 03/30/2015 22:14:16 to 03/31/2015 01:54:24 : 220.13 minutes
Injector downtime: 03/30/2015 22:09:20 to 03/31/2015 01:53:52 : 224.53 minutes

Period Beginning 04/01/2015 08:00

Current in Range 99.71 %
Injector Availability 99.66 %

Out of Range at: 04/02/2015 09:43:52 to 04/02/2015 10:08:40 : 24.80 minutes
Injector downtime: 04/02/2015 09:38:56 to 04/02/2015 10:08:36 : 29.67 minutes

Period Beginning 04/08/2015 08:00

Current in Range 99.98 %
Injector Availability 99.91 %

Out of Range at: 04/10/2015 03:54:32 to 04/10/2015 03:56:16 : 1.73 minutes
Injector downtime: 04/10/2015 03:46:32 to 04/10/2015 03:54:32 : ~ 8.00 minutes

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An official operations statistics page will be posted at the end of each user period.