

Listing of Statistics for Run1-2022 (Created Mon Oct 03 12:28:01 CDT 2022)

Total Amount of User Time in this interval 1750.95 Hours

User periods in this interval

02/01/2022 08:00	To	02/07/2022 08:00	144.00 Hours,	Delivered Beam: 136.72 Hours,	4 Fault(s),	34.18 MTBF,	94.94% of Sched. Time
02/08/2022 08:00	To	02/14/2022 08:00	144.00 Hours,	Delivered Beam: 143.54 Hours,	1 Fault(s),	143.54 MTBF,	99.68% of Sched. Time
02/15/2022 08:00	To	02/21/2022 08:00	144.00 Hours,	Delivered Beam: 143.23 Hours,	1 Fault(s),	143.23 MTBF,	99.47% of Sched. Time
02/22/2022 08:00	To	02/28/2022 08:00	144.00 Hours,	Delivered Beam: 142.33 Hours,	3 Fault(s),	47.44 MTBF,	98.84% of Sched. Time
03/02/2022 08:00	To	03/07/2022 08:00	120.00 Hours,	Delivered Beam: 103.07 Hours,	5 Fault(s),	20.61 MTBF,	85.89% of Sched. Time
03/08/2022 08:00	To	03/14/2022 08:00	143.00 Hours,	Delivered Beam: 141.21 Hours,	1 Fault(s),	141.21 MTBF,	98.75% of Sched. Time
03/16/2022 08:00	To	03/21/2022 08:00	120.00 Hours,	Delivered Beam: 120.00 Hours,	0 Fault(s),	120.00 MTBF,	100.00% of Sched. Time
03/22/2022 08:00	To	03/28/2022 08:00	144.00 Hours,	Delivered Beam: 137.86 Hours,	4 Fault(s),	34.47 MTBF,	95.74% of Sched. Time
03/29/2022 08:00	To	04/04/2022 08:00	144.00 Hours,	Delivered Beam: 133.50 Hours,	5 Fault(s),	26.70 MTBF,	92.71% of Sched. Time
04/05/2022 08:00	To	04/11/2022 08:00	144.00 Hours,	Delivered Beam: 142.59 Hours,	3 Fault(s),	47.53 MTBF,	99.02% of Sched. Time
04/12/2022 08:00	To	04/18/2022 08:00	144.00 Hours,	Delivered Beam: 141.95 Hours,	1 Fault(s),	141.95 MTBF,	98.58% of Sched. Time
04/19/2022 08:00	To	04/28/2022 08:00	216.00 Hours,	Delivered Beam: 208.72 Hours,	5 Fault(s),	41.74 MTBF,	96.63% of Sched. Time

Delivered Beam 1694.72 Hours
 Percentage of Scheduled Time 96.79 %
 Downtime During Period 56.23 Hours
 Percentage of scheduled time SR current > 10 ma 97.47 %
 Average Delivered Current During This Period 100.49 mA
 Total integrated Current During This Period 170.31 A-hr

Mean Fill Duration in Period 49.84 Hours
 Mean Fill Duration from Poisson Fit 55.15 Hours
 Mean Time Between Faults (MTBF) 51.36 Hours
 Faults per Day of Delivered Beam 0.47
 Total Number of Faults 33
 Scheduled Topup Time 1488.00 Hours

Valid fills Beginning in this Time Interval						Reason for	Length	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.
Fill#	Start	End	Duration	Fill Termination	of	Downtime		
#	1	02/01 08:00	To 02/02 09:17	25.29	RF-4 glitch [RF]	0.00		
#	2	02/02 09:56	To 02/03 00:38	14.70	14ID FEEPS fuse [SI]	0.65		
#	3	02/03 02:51	To 02/04 15:22	36.51	RF-4 crowbar [RF]	3.68	14ID FEEPS blown fuse [SI]	
#	5	02/04 19:03	To 02/06 01:04	30.02	S29ID BPLD [DIA]	0.73		
#	6	02/06 01:48	To 02/07 07:59	30.19	Int Dump: End of Period	0.00		

#	7	02/08 08:00	To 02/12 06:19	94.32	RF-3 power monitor [RF]	0.00		
#	8	02/12 06:46	To 02/14 07:59	49.22	Int Dump: End of Period	0.46		

#	Date	Time	To	Date	Time	Value	Description	Value
								0.00
# 40	04/19	08:00	To	04/20	14:45	30.76		0.46
# 41	04/20	15:13	To	04/21	11:37	20.41	METASYS error [FAC]	0.97
# 42	04/21	12:35	To	04/26	16:24	123.81	METASYS error [FAC]	2.19
# 43	04/26	18:35	To	04/27	11:31	16.93	S6A:V3 OT trip [PS]	0.98
# 44	04/27	12:30	To	04/27	21:40	9.16	S6A:V3 OI trip [PS]	2.68
# 45	04/28	00:20	To	04/28	07:59	7.65	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 95.96 %
 Current in Range during Delivered Beam Time 98.45 %
 Injector Availability 98.29 %

Period Beginning 02/01/2022 08:00

Current in Range 99.61 %
 Injector Availability 99.55 %
 Out of Range at: 02/03/2022 07:33:20 to 02/03/2022 08:05:44 : 32.40 minutes
 Injector downtime: 02/03/2022 07:28:24 to 02/03/2022 08:05:40 : 37.27 minutes

Period Beginning 02/08/2022 08:00

Current in Range 97.11 %
 Injector Availability 96.60 %
 Out of Range at: 02/08/2022 15:10:32 to 02/08/2022 17:16:24 : 125.87 minutes
 Injector downtime: 02/08/2022 15:05:36 to 02/08/2022 17:15:28 : 129.87 minutes
 Out of Range at: 02/09/2022 10:35:52 to 02/09/2022 10:35:52 : 0.00 minutes
 Injector downtime: 02/09/2022 10:27:52 to 02/09/2022 10:35:52 : 8.00 minutes (est)
 Out of Range at: 02/09/2022 11:42:24 to 02/09/2022 12:46:16 : 63.87 minutes
 Injector downtime: 02/09/2022 11:37:28 to 02/09/2022 12:46:12 : 68.73 minutes
 Out of Range at: 02/09/2022 16:34:00 to 02/09/2022 16:47:36 : 13.60 minutes
 Injector downtime: 02/09/2022 16:29:04 to 02/09/2022 16:47:32 : 18.47 minutes
 Out of Range at: 02/09/2022 17:22:40 to 02/09/2022 17:22:56 : 0.27 minutes
 Injector downtime: 02/09/2022 17:14:40 to 02/09/2022 17:22:40 : 8.00 minutes (est)
 Out of Range at: 02/11/2022 07:52:00 to 02/11/2022 08:07:44 : 15.73 minutes
 Injector downtime: 02/11/2022 07:47:04 to 02/11/2022 08:07:40 : 20.60 minutes
 Out of Range at: 02/12/2022 14:20:00 to 02/12/2022 14:40:24 : 20.40 minutes
 Injector downtime: 02/12/2022 14:15:04 to 02/12/2022 14:40:20 : 25.27 minutes
 Out of Range at: 02/13/2022 20:45:28 to 02/13/2022 20:54:24 : 8.93 minutes
 Injector downtime: 02/13/2022 20:40:32 to 02/13/2022 20:54:20 : 13.80 minutes

Period Beginning 02/15/2022 08:00

Current in Range 98.58 %
 Injector Availability 98.40 %
 Out of Range at: 02/17/2022 11:12:40 to 02/17/2022 11:44:24 : 31.73 minutes

Injector downtime: 02/17/2022 11:07:44 to 02/17/2022 11:44:20 : 36.60 minutes
Out of Range at: 02/17/2022 11:52:24 to 02/17/2022 13:20:16 : 87.87 minutes
Injector downtime: 02/17/2022 11:47:28 to 02/17/2022 13:20:12 : 92.73 minutes
Out of Range at: 02/19/2022 14:25:20 to 02/19/2022 14:27:44 : 2.40 minutes
Injector downtime: 02/19/2022 14:17:20 to 02/19/2022 14:25:20 : 8.00 minutes (est)

Period Beginning 02/22/2022 08:00

Current in Range 100.00 %
Injector Availability 100.00 %

Period Beginning 03/16/2022 08:00

Current in Range 98.78 %
Injector Availability 98.61 %

Out of Range at: 03/16/2022 20:40:16 to 03/16/2022 20:42:56 : 2.67 minutes
Injector downtime: 03/16/2022 20:32:16 to 03/16/2022 20:40:16 : 8.00 minutes (est)
Out of Range at: 03/18/2022 08:59:28 to 03/18/2022 09:16:56 : 17.47 minutes
Injector downtime: 03/18/2022 08:54:32 to 03/18/2022 09:15:44 : 21.20 minutes
Out of Range at: 03/18/2022 18:02:16 to 03/18/2022 19:00:24 : 58.13 minutes
Injector downtime: 03/18/2022 17:57:20 to 03/18/2022 19:00:20 : 63.00 minutes
Out of Range at: 03/19/2022 04:38:08 to 03/19/2022 04:41:20 : 3.20 minutes
Injector downtime: 03/19/2022 04:30:08 to 03/19/2022 04:38:08 : 8.00 minutes (est)
Out of Range at: 03/19/2022 04:45:20 to 03/19/2022 04:51:44 : 6.40 minutes

Period Beginning 03/22/2022 08:00

Current in Range 99.21 %
Injector Availability 99.06 %

Out of Range at: 03/23/2022 11:38:32 to 03/23/2022 11:42:48 : 4.27 minutes
Injector downtime: 03/23/2022 11:30:32 to 03/23/2022 11:38:32 : 8.00 minutes (est)
Out of Range at: 03/24/2022 10:11:44 to 03/24/2022 10:57:36 : 45.87 minutes
Injector downtime: 03/24/2022 10:06:48 to 03/24/2022 10:57:32 : 50.73 minutes
Out of Range at: 03/27/2022 20:23:20 to 03/27/2022 20:38:40 : 15.33 minutes
Injector downtime: 03/27/2022 20:18:24 to 03/27/2022 20:37:28 : 19.07 minutes

Period Beginning 03/29/2022 08:00

Current in Range 100.00 %
Injector Availability 100.00 %

Period Beginning 04/05/2022 08:00

Current in Range 96.87 %
Injector Availability 96.61 %

Out of Range at: 04/06/2022 04:17:44 to 04/06/2022 04:24:32 : 6.80 minutes
Injector downtime: 04/06/2022 04:09:44 to 04/06/2022 04:17:44 : 8.00 minutes (est)
Out of Range at: 04/06/2022 07:38:32 to 04/06/2022 08:20:56 : 42.40 minutes
Injector downtime: 04/06/2022 07:33:36 to 04/06/2022 08:20:52 : 47.27 minutes
Out of Range at: 04/06/2022 11:27:36 to 04/06/2022 11:36:32 : 8.93 minutes
Injector downtime: 04/06/2022 11:19:36 to 04/06/2022 11:27:36 : 8.00 minutes (est)
Out of Range at: 04/08/2022 09:20:56 to 04/08/2022 12:30:24 : 189.47 minutes
Injector downtime: 04/08/2022 09:16:00 to 04/08/2022 12:29:36 : 193.60 minutes

Out of Range at: 04/08/2022 23:43:44 to 04/08/2022 23:44:00 : 0.27 minutes
Injector downtime: 04/08/2022 23:35:44 to 04/08/2022 23:43:44 : 8.00 minutes (est)
Out of Range at: 04/09/2022 02:42:32 to 04/09/2022 03:02:40 : 20.13 minutes
Injector downtime: 04/09/2022 02:37:36 to 04/09/2022 03:02:36 : 25.00 minutes

Period Beginning 04/12/2022 08:00

Current in Range 93.96 %
Injector Availability 93.79 %
Out of Range at: 04/12/2022 09:56:32 to 04/12/2022 11:34:40 : 98.13 minutes
Injector downtime: 04/12/2022 09:51:36 to 04/12/2022 11:34:36 : 103.00 minutes
Out of Range at: 04/12/2022 21:52:00 to 04/12/2022 22:33:20 : 41.33 minutes
Injector downtime: 04/12/2022 21:47:04 to 04/12/2022 22:33:16 : 46.20 minutes
Out of Range at: 04/13/2022 03:55:12 to 04/13/2022 10:10:32 : 375.33 minutes
Injector downtime: 04/13/2022 03:50:16 to 04/13/2022 10:09:52 : 379.60 minutes

Period Beginning 04/19/2022 08:00

Current in Range 99.90 %
Injector Availability 99.81 %
Out of Range at: 04/20/2022 13:01:04 to 04/20/2022 13:05:04 : 4.00 minutes
Injector downtime: 04/20/2022 12:53:04 to 04/20/2022 13:01:04 : 8.00 minutes (est)
Out of Range at: 04/26/2022 14:49:52 to 04/26/2022 14:55:20 : 5.47 minutes
Injector downtime: 04/26/2022 14:41:52 to 04/26/2022 14:49:52 : 8.00 minutes (est)
Out of Range at: 04/27/2022 12:30:24 to 04/27/2022 12:33:04 : 2.67 minutes
Injector downtime: 04/27/2022 12:22:24 to 04/27/2022 12:30:24 : 8.00 minutes (est)