

Listing of Statistics for Run2-1999

Total Amount of User Time in this interval 831.25 Hours

User periods in this interval

```
-----
03/24/1999 08:00 To 03/30/1999 08:01 144.02 Hours
03/30/1999 15:56 To 04/05/1999 08:00 135.07 Hours
04/07/1999 08:01 To 04/13/1999 08:04 144.04 Hours
04/13/1999 15:58 To 04/19/1999 08:01 136.05 Hours
04/21/1999 08:03 To 04/27/1999 08:03 144.01 Hours
04/27/1999 15:56 To 05/02/1999 23:59 128.06 Hours
```

```
Delivered Beam                794.93 Hours
Percentage of Scheduled Time   95.63 %
Downtime During Period        36.32 Hours
Percentage of scheduled time SR current > 10 ma 96.95 %
Average Delivered Current During This Period 81.88 ma
Total integrated Current During This Period 65.09 A-hr
```

Data from an on going fill (if one exists) is not used in Fill length calculations.

```
Mean Fill Duration in Period      39.75 Hours
Mean Fill Duration from Poisson Fit 39.73 Hours
Mean Time Between Faults (MTBF)   41.84 Hours
Faults per Day of Delivered Beam   0.57
```

Valid fills Beginning in this Time Interval				Reason for	Length	Downtime is associated with the end of a fill.
Fill#	Start	End	Duration	Fill Termination	of	The first fill of a period will have any
					Downtime	downtime before the fill on the line above.
# 1	03/24 08:04	To 03/24 19:14	11.17	Pres glitch frm 450[H20]	0.07	ID gap issue
# 2	03/24 20:02	To 03/25 07:45	11.72	Int Refill: Low Current	0.79	recovery
# 3	03/25 08:01	To 03/25 17:10	9.15	S32/33 Raw PS H20 [PS]	0.26	.....
# 4	03/25 17:50	To 03/26 07:45	13.91	Int Refill: Low Current	0.67	recovery
# 5	03/26 08:05	To 03/26 13:28	5.39	ratchet door inc. [OTH]	0.33	.....
# 6	03/26 16:09	To 03/27 07:45	15.60	Int Refill: Low Current	2.69	recovery
# 7	03/27 07:50	To 03/27 18:44	10.90	S39A:Q3 trip [PS]	0.08	.....
# 8	03/27 19:06	To 03/28 07:49	12.72	Int Refill: Low Current	0.37	recovery
# 9	03/28 07:56	To 03/28 11:21	3.42	power line glitch [OTH]	0.11	.....
# 10	03/28 12:12	To 03/28 17:42	5.50	S15A:Q4 trip [PS]	0.86	recovery
# 11	03/28 20:23	To 03/29 07:47	11.40	Int Refill: Low Current	2.68	gespac timer card problems
# 12	03/29 08:07	To 03/29 12:45	4.63	S39A:Q3 trip [PS]	0.33	.....
# 16	03/29 15:55	To 03/30 08:01	16.09	Int Dump: End of Period	3.17	took two converter swaps; 9ID BPLD problems
					0.02	.....
					0.00	.....
# 20	03/30 15:56	To 03/31 07:45	15.81	Int Refill: Low Current	0.18	.....
# 21	03/31 07:55	To 04/01 07:45	23.83	Int Refill: Low Current	0.10	.....
# 22	04/01 07:51	To 04/02 07:44	23.89	Int Refill: Low Current	0.09	.....
# 23	04/02 07:50	To 04/02 10:19	2.49	rf3 trip [RF]	0.66	recovery
# 24	04/02 10:59	To 04/03 07:45	20.77	Int Refill: Low Current	0.10	.....
# 25	04/03 07:51	To 04/03 12:38	4.77	S22B:Q2 OI trip [PS]	0.58	recovery (rad monitor reset)
# 26	04/03 13:12	To 04/03 15:43	2.51	S22B:Q2 OI trip [PS]	2.41	took two converter swaps
# 27	04/03 18:08	To 04/04 07:50	12.71	Int Refill: Low Current	0.06	.....
# 28	04/04 07:54	To 04/05 08:00	24.11	Int Dump: End of Period	0.00	.....

# 29	04/07 08:01	To	04/08 07:45	23.73	Int Refill: Low Current	0.00	.....
# 30	04/08 08:03	To	04/09 07:45	23.69	Int Refill: Low Current	0.30	bpld trip while filling
# 31	04/09 07:56	To	04/09 11:29	3.55	rf3 trip [RF]	0.19	.....
# 32	04/09 13:07	To	04/10 07:44	18.62	Int Refill: Low Current	1.63	bpld trip while filling, subsequent rf3 trip, swap
# 33	04/10 08:04	To	04/11 07:44	23.67	Int Refill: Low Current	0.33	.....
# 34	04/11 07:53	To	04/12 07:45	23.86	Int Refill: Low Current	0.14	.....
# 35	04/12 08:07	To	04/13 08:04	23.94	Int Refill: Low Current	0.38	.....
# 35	04/12 08:07	To	04/13 08:04	23.94	Int Dump: End of Period	0.00	.....
# 36	04/13 15:58	To	04/14 07:45	15.77	Int Refill: Low Current	0.00	.....
# 37	04/14 07:51	To	04/15 07:45	23.89	Int Refill: Low Current	0.11	.....
# 38	04/15 07:51	To	04/15 14:54	7.05	Raw PS trip on H2O [PS]	0.10	.....
# 39	04/15 15:30	To	04/16 07:54	16.41	Raw PS trip on H2O [PS]	0.61	recovery
# 39	04/15 15:30	To	04/16 07:54	16.41	Int Refill: Low Current	0.14	.....
# 40	04/16 08:03	To	04/17 05:19	21.26	Beam Loss rf trip [RF]	0.54	recovery
# 41	04/17 05:51	To	04/18 07:54	26.05	Int Refill: Low Current	0.10	.....
# 42	04/18 08:00	To	04/19 08:00	24.00	Int Refill: Low Current	0.02	.....
# 42	04/18 08:00	To	04/19 08:00	24.00	Int Dump: End of Period	0.00	.....
# 43	04/21 08:03	To	04/22 07:45	23.70	Int Refill: Low Current	0.29	problems injecting
# 44	04/22 08:02	To	04/22 21:17	13.25	EPS trip at 4ID [BL]	1.93	subsequent EPS trips
# 45	04/22 23:13	To	04/23 03:17	4.07	ACIS IO comm prblm [CTL]	2.97	recovery
# 46	04/23 06:15	To	04/23 06:46	0.52	EPS trip at 4ID [BL]	1.16	repair/recovery
# 47	04/23 07:56	To	04/24 07:44	23.81	Int Refill: Low Current	0.08	.....
# 48	04/24 07:49	To	04/25 07:45	23.92	Int Refill: Low Current	0.17	.....
# 49	04/25 07:55	To	04/26 00:23	16.47	EPS trip, 35ID [BL]	1.53	recovery
# 50	04/26 01:55	To	04/26 07:45	5.84	Int Refill: Low Current	0.11	.....
# 51	04/26 07:52	To	04/27 07:59	24.13	Int Refill: Low Current	0.07	.....
# 51	04/26 07:52	To	04/27 07:59	24.13	Int Dump: End of Period	0.00	.....
# 53	04/27 15:56	To	04/28 08:31	16.59	Int Refill: Low Current	0.71	rm8 trip
# 54	04/28 09:13	To	04/28 19:45	10.52	Int Refill: Low Current	0.25	.....
# 55	04/28 20:00	To	04/29 07:44	11.74	Int Refill: Low Current	0.25	.....
# 56	04/29 07:59	To	04/29 15:39	7.65	Timing signal disc [OTH]	2.58	recovery
# 57	04/29 18:13	To	04/30 07:45	13.52	Int Refill: Low Current	0.14	.....
# 58	04/30 07:53	To	04/30 19:45	11.86	Fill Ongoing	0.21	.....
# 59	04/30 19:57	To	05/01 07:44	11.79	Int Refill: Low Current	2.02	wrong fill pattern, id gaps, rad monitor
# 61	05/01 09:46	To	05/01 10:43	0.95	bpld trip [DIA]	0.43	Real Time Feedback Problems
# 62	05/01 11:08	To	05/01 19:45	8.61	Int Refill: Low Current	0.11	.....
# 63	05/01 19:52	To	05/02 07:45	11.89	Int Refill: Low Current	0.11	.....
# 64	05/02 07:51	To	05/02 23:59	16.14	Int Refill: Low Current	0.00	.....
# 64	05/02 07:51	To	05/02 23:59	16.14	Int Dump: End of Period	0.00	.....