

Listing of Statistics for Run1-2010 (Created Thu Apr 29 10:52:29 CDT 2010)

Total Amount of User Time in this interval 1726.94 Hours

User periods in this interval

02/02/2010 08:00 To 02/09/2010 08:00 168.00 Hours, Delivered Beam: 165.62 Hours, 2 Fault(s),
82.81 MTBF, 98.58% of Sched. Time

02/10/2010 08:00 To 02/16/2010 08:00 144.00 Hours, Delivered Beam: 139.85 Hours, 4 Fault(s),
34.96 MTBF, 97.12% of Sched. Time

02/17/2010 08:00 To 02/23/2010 08:00 144.00 Hours, Delivered Beam: 139.69 Hours, 2 Fault(s),
69.84 MTBF, 97.01% of Sched. Time

02/24/2010 08:00 To 03/01/2010 08:00 120.00 Hours, Delivered Beam: 116.89 Hours, 2 Fault(s),
58.45 MTBF, 97.41% of Sched. Time

03/03/2010 08:00 To 03/09/2010 08:00 144.00 Hours, Delivered Beam: 143.99 Hours, 0 Fault(s),
143.99 MTBF, 100.00% of Sched. Time

03/10/2010 08:00 To 03/16/2010 08:00 143.00 Hours, Delivered Beam: 136.26 Hours, 5 Fault(s),
27.25 MTBF, 95.29% of Sched. Time

03/17/2010 08:00 To 03/23/2010 08:00 144.00 Hours, Delivered Beam: 141.71 Hours, 2 Fault(s),
70.86 MTBF, 98.41% of Sched. Time

03/24/2010 08:00 To 03/29/2010 08:00 120.00 Hours, Delivered Beam: 117.59 Hours, 2 Fault(s),
58.79 MTBF, 97.99% of Sched. Time

03/31/2010 08:00 To 04/06/2010 08:00 144.00 Hours, Delivered Beam: 140.77 Hours, 2 Fault(s),
70.38 MTBF, 97.75% of Sched. Time

04/07/2010 08:00 To 04/13/2010 08:00 144.00 Hours, Delivered Beam: 143.61 Hours, 1 Fault(s),
143.61 MTBF, 99.73% of Sched. Time

04/14/2010 08:00 To 04/20/2010 08:00 144.00 Hours, Delivered Beam: 143.51 Hours, 1 Fault(s),
143.51 MTBF, 99.66% of Sched. Time

04/21/2010 08:00 To 04/28/2010 08:00 168.00 Hours, Delivered Beam: 167.99 Hours, 0 Fault(s),
167.99 MTBF, 100.00% of Sched. Time

Delivered Beam 1697.50 Hours

Percentage of Scheduled Time 98.29 %

Downtime During Period 29.45 Hours

Percentage of scheduled time SR current > 10 ma 98.69 %

Average Delivered Current During This Period 99.55 mA

Total integrated Current During This Period 168.98 A-hr

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Mean Fill Duration in Period 70.73 Hours
Mean Fill Duration from Poisson Fit 72.68 Hours
Mean Time Between Faults (MTBF) 73.80 Hours
Faults per Day of Delivered Beam 0.33
Total Number of Faults 23
Scheduled Topup Time 1295.00 Hours

associated with the end of a fill. Length Downtime is

Valid fills Beginning in this Time Interval | Reason for | of The first
fill of a period will have any

Fill# Start End Duration | Fill Termination | Downtime downtime
before the fill on the line above.

(min: 1.0) |

failure, replaced, filled ring[CTL] | 0.14 Linac PLC p.s.

1 02/02 08:08 To 02/02 15:58 7.82 | RF2 Kly Output Arc [RF] | 0.43 Reset and refilled the
ring

2 02/02 16:23 To 02/07 01:44 105.34 | 14BM PSS ChainB dead[SI] | 1.80 SI requested beamline
offline, standardized, filled

3 02/07 03:32 To 02/09 08:00 52.46 | Int Dump: End of Period | 0.00

| 0.00

4 02/10 08:00 To 02/10 10:19 2.32 | CPU Software [CTL] | 1.61 2nd loss,
investigation, refill

6 02/10 11:55 To 02/11 21:01 33.10 | RF2 Kly Output Arc [RF] | 0.30 Investigation, refill

7 02/11 21:19 To 02/13 02:01 28.70 | RF4 Kly Output Arc [RF] | 0.36 Investigation, refill

8 02/13 02:23 To 02/16 06:07 75.74 | PW pump brkr failed[FMS] | 1.87

| 0.00

9 02/17 08:00 To 02/19 14:14 54.24 | 10ID PSS ChainB fail[SI] | 0.81 Took 10-ID offline,
standardized, refilled

10 02/19 15:03 To 02/22 22:00 78.95 | 35 BPM IOC PS fail[CTL] | 3.49 Replaced IOC P.S.,

# 10	02/19 15:03	To	02/22 22:00	78.95		35 BPM IOC PS fail[CTL]		3.49 Replaced IOC P.S., troubleshoot BPM problem [CTL]
# 11	02/23 01:29	To	02/23 07:59	6.50		Int Dump: End of Period		0.00

								0.00
# 12	02/24 08:00	To	02/28 05:59	93.98		LTP BESOCM SR		