

Downtime for Run 2001-4

| Fill # | Start | End | Length | Loss Reason | DIN # | Audit | Start | End | User Length | System Length | Cause | Type | Description |
|--------|----------------|----------------|---------------|-------------------------|--------|-------|----------------|----------------|--------------|---------------|--------------|-----------------------|---|
| 1 | 10/31/01 08:03 | 10/31/01 08:33 | 0.50 | 3ID FE EPS trip [BO] | 103945 | Y | 10/31/01 08:00 | 10/31/01 08:03 | 0.05 | 0.05 | CTL | Inhibits Beam to User | Lost communications with S3&4 BPLDs |
| 2 | 10/31/01 08:53 | 11/04/01 09:58 | 97.08 | RF2 modAnode trip [PFS] | 103948 | | 10/31/01 08:33 | 10/31/01 08:53 | 0.33 | 0.33 | BO | Store Lost | EPS fault on 3ID IP6 [BO] |
| 11 | 11/04/01 10:27 | 11/04/01 22:08 | 11.68 | RF2 modAnode trip [PFS] | 103949 | | 11/04/01 09:58 | 11/04/01 10:27 | 0.48 | 0.48 | OTH | Store Lost | SR RF 2 HVPS tripped on Anode O.I. Adjust [RF] [PFS BUS untie] |
| 13 | 11/04/01 22:26 | 11/05/01 11:20 | 12.90 | RF2 Cir.Flow trip [ME] | | Y | 11/04/01 22:08 | 11/04/01 22:26 | 0.30 | 0.30 | OTH | Store Lost | RF2 tripped on anode overcurrent [RF] [PFS BUS untie] |
| | | | | | 103951 | | 11/05/01 11:20 | 11/05/01 11:20 | | 0.00 | ME | Store Lost | RF2 Circulator Load trip [ME] |
| | | | | | 103951 | | 11/05/01 11:20 | 11/05/01 11:39 | | 0.32 | PS | Inhibits Beam to User | RG2 power supplies under PS group control [PS] |
| | | | | | 103951 | | 11/05/01 11:39 | 11/05/01 12:02 | | 0.38 | ME | Inhibits Beam to User | Recovery from RF2 Circulator Load trip [ME] |
| | | | | | | | 11/05/01 12:02 | 11/05/01 12:05 | | 0.05 | ME | Inhibits Beam to User | Beam retained less than 1/2 hour [ME] |
| | | | | | 103952 | | 11/05/01 12:05 | 11/05/01 13:16 | | 1.18 | ME | Inhibits Beam to User | RF2 Circulator Load trip and RF2 circulator load water transmitter replaced [ME] |
| 16 | 11/05/01 13:16 | 11/06/01 07:59 | 18.72 | Int Dump: End of Period | | | | | 0.00 | 0.00 | Scheduled | Int. Dump | End of User Period |
| | | | 140.88 | | | | | | 3.10 | 3.10 | | | |
| | | | | | | | 11/06/01 16:00 | 11/06/01 17:48 | 1.80 | 1.80 | OAG | Inhibits Beam to User | Setting up for Low Emittance Mode [OAG] |
| 18 | 11/06/01 17:48 | 11/06/01 20:15 | 2.45 | Rad.Mon.trip [OPS] | 103954 | | 11/06/01 20:15 | 11/06/01 20:42 | 0.45 | 0.45 | OPS | Store Lost | Lost beam on fill-on-fill due to rad monitor trip [OPS] |
| 19 | 11/06/01 20:42 | 11/07/01 00:20 | 3.63 | RF2 LLRF loss [PFS] | | Y | 11/07/01 00:20 | 11/07/01 01:11 | 0.85 | | | | |
| | | | | | 103955 | | 11/07/01 00:20 | 11/07/01 00:50 | | 0.50 | OTH | Store Lost | Multiple RF2 HVPS and LLRF faults [PFS BUS untie] |
| | | | | | 103955 | | 11/07/01 00:50 | 11/07/01 01:11 | | 0.35 | OAG | Inhibits Beam to User | Several pauses during injection due to elevated 3-ID neutron rad monitor readings [OAG] |
| 20 | 11/07/01 01:11 | 11/07/01 05:22 | 4.18 | Unknown BPLD trip [UKN] | | Y | 11/07/01 05:22 | 11/07/01 05:55 | 0.55 | | | | |
| | | | | | 103956 | | 11/07/01 05:22 | 11/07/01 05:27 | | 0.08 | Unidentified | Store Lost | 19ID BPLD trip when performing fill-on-fill [Unidentified] |
| | | | | | 103956 | | 11/07/01 05:27 | 11/07/01 05:30 | | 0.05 | PS | Inhibits Beam to User | RG2 heater PS tripped off when preparing for fill [PS] |
| | | | | | 103956 | | 11/07/01 05:30 | 11/07/01 05:55 | | 0.42 | Unidentified | Inhibits Beam to User | Continuation of recovery from beam loss. [Unidentified] |
| 21 | 11/07/01 05:55 | 11/07/01 20:40 | 14.75 | Unknown RF trip [PFS] | 103969 | | 11/07/01 20:40 | 11/07/01 21:05 | 0.42 | 0.42 | OTH | Store Lost | Beam motion due to unidentified RF problem [PFS BUS untie] |
| 22 | 11/07/01 21:05 | 11/08/01 08:34 | 11.48 | Unknown RF trip [PFS] | | Y | 11/08/01 08:34 | 11/08/01 09:07 | 0.55 | | | | |
| | | | | | 103972 | | 11/08/01 08:34 | 11/08/01 09:04 | | 0.50 | OTH | Store Lost | Beam motion due to unidentified RF problem [PFS BUS untie] |
| | | | | | 103972 | | 11/08/01 09:04 | 11/08/01 09:07 | | 0.05 | OAG | Inhibits Beam to User | Several pauses during injection due to elevated 2-ID neutron rad monitor readings [OAG] |
| 24 | 11/08/01 09:07 | 11/08/01 18:30 | 9.38 | Unknown BPLD trip [UKN] | | | 11/08/01 18:30 | 11/08/01 21:29 | 2.98 | | | | |
| | | | | | 103974 | | 11/08/01 18:30 | 11/08/01 19:00 | | 0.50 | Unidentified | Store Lost | Beam motion due to unidentified problem [Unidentified] |
| | | | | | 103974 | | 11/08/01 19:00 | 11/08/01 21:29 | | 2.48 | PS | Inhibits Beam to User | RG2 kicker problem [PS] |
| 25 | 11/08/01 21:29 | 11/09/01 12:03 | 14.57 | Unknown BPLD trip [UKN] | 103977 | | 11/09/01 12:03 | 11/09/01 12:25 | 0.37 | 0.37 | Unidentified | Store Lost | Beam motion due to unidentified problem [Unidentified] |
| 28 | 11/09/01 12:25 | 11/09/01 13:12 | 0.78 | S5AS3 trip [PS] | | | 11/09/01 13:12 | 11/09/01 14:53 | 1.68 | | | | |
| | | | | | 103978 | | 11/09/01 13:12 | 11/09/01 14:10 | | 0.97 | PS | Store Lost | S5A:S3 trip and swap-out [PS] |
| | | | | | 103978 | | 11/09/01 13:58 | 11/09/01 14:38 | | 0.67 | RF | Inhibits Beam to User | RF2 drive power going to zero when no beam in the ring and tripping Collector [RF] |
| | | | | | 103978 | | 11/09/01 14:38 | 11/09/01 14:53 | | 0.25 | PS | Inhibits Beam to User | Continuation of recovery from beam loss [PS] |
| 29 | 11/09/01 14:53 | 11/10/01 13:23 | 22.50 | RF2 HVPS trip [RF] | 103983 | | 11/10/01 13:23 | 11/10/01 13:45 | 0.37 | 0.37 | RF | Store Lost | RF2 tripped on anode OI adj. [RF] |
| 30 | 11/10/01 13:45 | 11/11/01 01:06 | 11.35 | S21AQ2 glitch [PS] | 103986 | | 11/11/01 01:06 | 11/11/01 01:28 | 0.37 | 0.37 | PS | Store Lost | S21AQ2 glitch [PS] |
| 31 | 11/11/01 01:28 | 11/11/01 03:31 | 2.05 | S21AQ2 glitch [PS] | 103985 | | 11/11/01 03:31 | 11/11/01 03:52 | 0.35 | 0.35 | PS | Store Lost | S21AQ2 glitch [PS] |
| 32 | 11/11/01 03:52 | 11/11/01 05:57 | 2.08 | RF2 PM fault [PFS] | 103987 | | 11/11/01 05:57 | 11/11/01 06:22 | 0.42 | 0.42 | OTH | Store Lost | RF-2 tripped on crowbar and cathode OI / OV [PFS BUS untie] |
| 33 | 11/11/01 06:22 | 11/11/01 19:34 | 13.20 | RF2 modAnode trip [PFS] | | | 11/11/01 19:34 | 11/11/01 20:13 | 0.65 | | | | |
| | | | | | 103989 | | 11/11/01 19:34 | 11/11/01 19:52 | | 0.30 | OTH | Store Lost | RF2 modAnode trip [PFS BUS untie] |
| | | | | | 103989 | | 11/11/01 19:52 | 11/11/01 20:01 | | 0.15 | OAG | Inhibits Beam to User | Bunch train problems and pauses during injection [OAG] |
| | | | | | 103989 | | 11/11/01 20:01 | 11/11/01 20:13 | | 0.20 | OTH | Inhibits Beam to User | Continuation of recovery from beam loss [RF] |
| 34 | 11/11/01 20:13 | 11/12/01 07:59 | 11.77 | Int Dump: End of Period | | | | | 0.00 | 0.00 | Scheduled | Int. Dump | End of User Period |
| | | | 124.18 | | | | | | 11.80 | 12.00 | | | |

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| Fill # | Start | End | Length | Loss Reason | DIN # | Audit | Start | End | User Length | System Length | Cause | Type | Description |
|--------|----------------|----------------|---------------|--------------------------|--------|-------|----------------|----------------|-------------|---------------|--------------|-----------------------|---|
| | | | | | 103992 | | 11/14/01 08:00 | 11/14/01 08:03 | 0.05 | 0.05 | PHY | Inhibits Beam to User | Tuning up storage ring orbit [PHY] |
| 35 | 11/14/01 08:03 | 11/14/01 20:57 | 12.90 | 13ID Rad.Mon. trip [HP] | | | 11/14/01 20:57 | 11/14/01 21:34 | 0.62 | | | | |
| | | | | | 103994 | | 11/14/01 20:57 | 11/14/01 21:27 | | 0.50 | OTH | Store Lost | 13ID Rad.Mon. trip [OTH] |
| | | | | | 103994 | | 11/14/01 21:27 | 11/14/01 21:34 | | 0.12 | OPS | Inhibits Beam to User | Investigation of trip [OPS] |
| 36 | 11/14/01 21:34 | 11/15/01 04:47 | 7.22 | Unknown BPLD trip [UKN] | 103995 | | 11/15/01 04:47 | 11/15/01 04:58 | 0.18 | 0.18 | Unidentified | Store Lost | Unknown beam motion caused 2ID BPLD trip [Unidentified] |
| 37 | 11/15/01 04:58 | 11/15/01 10:23 | 5.42 | S5B:S3 trip [PS] | | | 11/15/01 10:23 | 11/15/01 11:04 | 0.68 | | | | |
| | | | | | 103996 | | 11/15/01 10:23 | 11/15/01 10:53 | | 0.50 | PS | Store Lost | S5B:S3:PS trip on Overcurrent [PS] |
| | | | | | 103996 | | 11/15/01 10:53 | 11/15/01 11:04 | | 0.18 | OPS | Inhibits Beam to User | Injection problems when lining up SR and Booster RF waveforms on scope [OPS] |
| 38 | 11/15/01 11:04 | 11/19/01 09:03 | 93.98 | Unknown RF trip [RF] | 104006 | | 11/19/01 09:03 | 11/19/01 09:26 | 0.38 | 0.38 | RF | Store Lost | Unknown RF trip [RF] |
| 41 | 11/19/01 09:26 | 11/20/01 11:34 | 26.13 | Int.dump,BPM fault[Diag] | 104007 | | 11/20/01 11:34 | 11/20/01 11:57 | 0.38 | 0.38 | DIAG | Store Lost | Dump due to partial beam loss resulting from drifting BPM setpoint [DIAG] |
| 42 | 11/20/01 11:57 | 11/21/01 23:59 | 36.03 | Int Dump: End of Period | | | | | 0.00 | 0.00 | Scheduled | Int. Dump | End of User Period |
| | | | 181.68 | | | | | | 2.30 | 2.30 | | | |
| 44 | 11/23/01 08:00 | 11/23/01 11:09 | 3.15 | 22ID PSS truo [ISI] | | | 11/23/01 11:09 | 11/23/01 13:20 | 2.18 | | | | |
| | | | | | 103995 | | 11/23/01 11:09 | 11/23/01 11:09 | | 0.00 | ISI | Store Lost | 22ID PSS trip and taken globally off-line [ISI] |
| | | | | | 103995 | | 11/23/01 11:09 | 11/23/01 11:30 | | 0.35 | OPS | Inhibits Beam to User | Identifying PSS trip |
| | | | | | 103995 | | 11/23/01 11:30 | 11/23/01 11:46 | | 0.27 | OTH | Inhibits Beam to User | Investigation of PSS trip [OTH] |
| | | | | | 103995 | | 11/23/01 11:46 | 11/23/01 12:36 | | 0.83 | ISI | Inhibits Beam to User | Continuation of recovery from PSS trip [ISI] |
| | | | | | 103995 | | 11/23/01 12:36 | 11/23/01 12:57 | | 0.35 | CTL | Inhibits Beam to User | Lost communications with IOCBVP1, reboot and reestablishing correct ramps [CTL] |
| | | | | | 103995 | | 11/23/01 12:57 | 11/23/01 13:20 | | 0.38 | ISI | Inhibits Beam to User | Continuation of recovery from PSS trip [ISI] |
| 45 | 11/23/01 13:20 | 11/26/01 13:16 | 71.93 | Loss of RF source [RF] | 104014 | | 11/26/01 13:16 | 11/26/01 14:09 | 0.88 | 0.88 | RF | Store Lost | Failed 0.7A fuse in the 352MHz RF source [RF] |
| 46 | 11/26/01 14:09 | 11/27/01 00:00 | 9.85 | Int Dump: End of Period | | | | | 0.00 | 0.00 | Scheduled | Int. Dump | End of User Period |
| | | | 84.93 | | | | | | 3.07 | 3.07 | | | |
| 51 | 11/27/01 16:00 | 11/28/01 16:18 | 24.30 | S38 valve closure [CTL] | 104020 | | 11/28/01 16:18 | 11/28/01 17:13 | 0.92 | 0.92 | CTL | Store Lost | S38 valve closure, lost communications with iocsrmon and iocrfsource [CTL] |
| 53 | 11/28/01 17:13 | 11/29/01 05:32 | 12.32 | S37 Valve closure [CTL] | | | 11/29/01 05:32 | 11/29/01 06:09 | 0.62 | | | | |
| | | | | | 104021 | | 11/29/01 05:32 | 11/29/01 05:55 | | 0.38 | CTL | Store Lost | S37 valve closure [CTL] |
| | | | | | 104021 | | 11/29/01 05:55 | 11/29/01 06:02 | | 0.12 | DIAG | Inhibits Beam to User | Lost beam while performing Expert orbit correction to reduce orbit bump in S25(DIAG) |
| | | | | | 104021 | | 11/29/01 06:02 | 11/29/01 06:09 | | 0.12 | CTL | Inhibits Beam to User | Continuation of recovery from beam loss [CTL] |
| 54 | 11/29/01 06:09 | 11/29/01 12:42 | 6.55 | 14ID Rad Mon. trip [HP] | | | 11/29/01 12:42 | 11/29/01 13:42 | 1.00 | | | | |
| | | | | | 104022 | | 11/29/01 12:42 | 11/29/01 13:20 | | 0.63 | OTH | Store Lost | 14ID Rad monitor fuse failure and replacement.[OTH] |
| | | | | | 104022 | | 11/29/01 13:20 | 11/29/01 13:42 | | 0.37 | DIAG | Inhibits Beam to User | BPMS in S29 creating orbit bump and ramping correctors to solve problem [DIAG] |
| 55 | 11/29/01 13:42 | 11/29/01 17:12 | 3.50 | 14ID Rad.Mon.trip [HP] | 104023 | | 11/29/01 17:12 | 11/29/01 17:58 | 0.77 | 0.77 | OTH | Store Lost | 14ID Rad monitor fuse failure and replacement.[OTH] |
| 56 | 11/29/01 17:58 | 12/01/01 03:14 | 33.27 | RF2 mod.Anode trip [RF] | 104026 | | 12/01/01 03:14 | 12/01/01 03:27 | 0.22 | 0.22 | RF | Store Lost | RF2 HVPS Anode Overcurrent trip [RF] |
| 57 | 12/01/01 03:27 | 12/02/01 01:33 | 22.10 | RF2 cav.vac trip [RF] | 104027 | | 12/02/01 01:33 | 12/02/01 01:48 | 0.25 | 0.25 | RF | Store Lost | RF2's PWR Monitor tripped on S37 Cav #1 & #2 Ion Gauge Fault [RF] |
| 58 | 12/02/01 01:48 | 12/02/01 11:55 | 10.12 | IK2 lost setpoint [PS] | | | 12/02/01 11:55 | 12/02/01 12:38 | 0.72 | | | | |
| | | | | | 104028 | | 12/02/01 11:55 | 12/02/01 12:02 | | 0.12 | PS | Store Lost | S:IK2 problems caused partial beam loss, requiring OPS to dump beam and refill [PS] |
| | | | | | 104028 | | 12/02/01 12:02 | 12/02/01 12:15 | | 0.22 | OPS | Inhibits Beam to User | Investigating problem and waiting for gaps to be opened [OPS] |
| | | | | | 104028 | | 12/02/01 12:15 | 12/02/01 12:38 | | 0.38 | PS | Inhibits Beam to User | Refilling SR [PS] |
| 59 | 12/02/01 12:38 | 12/03/01 07:59 | 19.35 | Int Dump: End of Period | | | 12/03/01 07:59 | 12/03/01 07:59 | 0.00 | 0.00 | Scheduled | Int. Dump | End of User Period |
| | | | 131.50 | | | | | | 4.48 | 4.48 | | | |
| 67 | 12/05/01 08:00 | 12/06/01 13:56 | 29.93 | RF4 cir. load flow [ME] | 104033 | | 12/06/01 13:56 | 12/06/01 14:16 | 0.33 | 0.33 | ME | Store Lost | RF4 cir. load flow tip[ME] |
| 68 | 12/06/01 14:16 | 12/06/01 20:48 | 6.53 | 31ID steering err [OAG] | 104034 | | 12/06/01 20:48 | 12/06/01 21:12 | 0.40 | 0.40 | OAG | Store Lost | 31ID BPLD trip when doing steering for 31ID which had a steering config problem [OAG] |
| 69 | 12/06/01 21:12 | 12/08/01 04:41 | 31.48 | S37 Cav.Vac trip [RF] | 104036 | | 12/08/01 04:41 | 12/08/01 05:08 | 0.45 | 0.45 | RF | Store Lost | HVPS: Anode O.I. Adj and Power Monitor: Sector 37, SL1 cavity #1 Ion gauge fault [RF] |
| 70 | 12/08/01 05:08 | 12/11/01 07:59 | 74.85 | Int Dump: End of Period | | | | | 0.00 | 0.00 | Scheduled | Int. Dump | End of User Period |
| | | | 142.80 | | | | | | 1.18 | 1.18 | | | |

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| Fill # | Start | End | Length | Loss Reason | DIN # | Audit | Start | End | User Length | System Length | Cause | Type | Description |
|--------|----------------|----------------|---------------|--------------------------|--------|-------|----------------|----------------|-------------|---------------|--------------|-----------------------|---|
| | | | | | | | 12/11/01 16:00 | 12/11/01 16:54 | 0.90 | | | | 31ID EPS trip [ISI], BPLD limits loading [Diag] |
| | | | | | | | 12/11/01 16:00 | 12/11/01 16:31 | | 0.52 | DIAG | Inhibits Beam to User | Reloading BPLD limits and beam retained for less than 1/2 hour [DIAG] |
| | | | | | | | 12/11/01 16:31 | 12/11/01 16:54 | | 0.38 | ISI | Inhibits Beam to User | 31ID EPS trip [ISI] |
| 73 | 12/11/01 16:54 | 12/14/01 15:24 | 70.50 | S36Cav.Hyb.flow Trip[ME] | | | 12/14/01 15:24 | 12/14/01 16:09 | 0.75 | | | | |
| | | | | | 104050 | | 12/14/01 15:24 | 12/14/01 15:38 | | 0.23 | ME | Store Lost | S36Cav.Hyb.flow Trip [ME] |
| | | | | | 104050 | | 12/14/01 15:38 | 12/14/01 15:53 | | 0.25 | DIAG | Inhibits Beam to User | Problems with 31ID DBPLD [DIAG] |
| | | | | | 104050 | | 12/14/01 15:53 | 12/14/01 16:09 | | 0.27 | ME | Inhibits Beam to User | Continuation of recovery from beam triap [ME] |
| 77 | 12/14/01 16:09 | 12/17/01 07:47 | 63.63 | S37 Cav. Vac. Trip [RF] | | | 12/17/01 07:47 | 12/17/01 08:46 | 0.98 | | | | delay in availability of PC gun, srf vacuum |
| | | | | | 104055 | Y | 12/17/01 07:47 | 12/17/01 07:56 | | 0.15 | RF | Store Lost | S37 Cav 1 and 3 Ion Gauge and Cav 1 Ion Pump Faults |
| | | | | | 104055 | | 12/17/01 07:56 | 12/17/01 08:02 | | 0.10 | PHY | Inhibits Beam to User | Linac shutter P.S. on the laser tripped requiring manual reset[PHY] |
| | | | | | 104055 | Y | 12/17/01 08:02 | 12/17/01 08:13 | | 0.18 | RF | Inhibits Beam to User | Continued recovery from beam loss [RF] |
| | | | | | 104055 | | 12/17/01 08:13 | 12/17/01 08:18 | | 0.08 | PHY | Inhibits Beam to User | Linac shutter P.S. on the laser tripped requiring manual reset[PHY] |
| | | | | | 104055 | Y | 12/17/01 08:18 | 12/17/01 08:22 | | 0.07 | RF | Inhibits Beam to User | Continued recovery from beam loss [RF] |
| | | | | | 104055 | | 12/17/01 08:22 | 12/17/01 08:29 | | 0.12 | PHY | Inhibits Beam to User | Linac shutter closed, requiring LACIS pen reset [PHY] |
| | | | | | 104055 | Y | 12/17/01 08:29 | 12/17/01 08:41 | | 0.20 | RF | Inhibits Beam to User | Continued recovery from beam loss [RF] |
| | | | | | 104055 | | 12/17/01 08:41 | 12/17/01 08:46 | | 0.08 | DIAG | Inhibits Beam to User | Problems with 31ID DBPLD forced delay in closing gaps [DIAG] |
| 80 | 12/17/01 08:46 | 12/17/01 14:20 | 5.57 | 31ID PSS trip [ISI] | 104056 | | 12/17/01 14:20 | 12/17/01 15:39 | 1.32 | 1.32 | ISI | Store Lost | 31ID PSS & EPS trip brought Ring to controlled access [IS] |
| 82 | 12/17/01 15:39 | 12/18/01 07:59 | 16.33 | Int Dump: End of Period | | | 12/18/01 07:59 | 12/18/01 07:59 | 0.00 | 0.00 | Scheduled | Int. Dump | |
| | | | 156.03 | | | | | | 3.95 | 3.95 | | | |
| | | | | | | | 12/18/01 16:00 | 12/18/01 16:34 | 0.57 | 0.57 | RF | Inhibits Beam to User | RF2 disconnect problems causing RF3 trips [RF] |
| 84 | 12/18/01 16:34 | 12/18/01 17:18 | 0.73 | RF2 disconnect [RF] | 104062 | | 12/18/01 17:18 | 12/18/01 17:33 | 0.25 | 0.25 | RF | Store Lost | RF2 disconnect problems causing RF3 trips [RF] |
| 85 | 12/18/01 17:33 | 12/19/01 08:55 | 15.37 | RF2 disconnect [RF] | 104063 | | 12/19/01 08:55 | 12/19/01 09:14 | 0.32 | 0.32 | RF | Store Lost | RF2 disconnect problems causing RF3 trips [RF] |
| 87 | 12/19/01 09:14 | 12/19/01 10:47 | 1.55 | RF2 disconnect [RF] | 104064 | | 12/19/01 10:47 | 12/19/01 11:22 | 0.58 | 0.58 | RF | Store Lost | RF2 disconnect prob caused 2 RF3 trips -- 2nd one 2 min. after shutter permit given [RF] |
| 89 | 12/19/01 11:22 | 12/20/01 16:44 | 29.37 | RF PSS trip [RF] | 104065 | | 12/20/01 16:44 | 12/20/01 17:09 | 0.42 | 0.42 | RF | Store Lost | RF Monitor #2, Corridor south tripped all SR & Booster RF systems. |
| 92 | 12/20/01 17:09 | 12/21/01 17:43 | 24.57 | 33BM EPS trip [ISI] | | | 12/21/01 17:43 | 12/21/01 18:42 | 0.98 | | | | |
| | | | | | 104066 | | 12/21/01 17:43 | 12/21/01 18:27 | | 0.73 | ISI | Store Lost | 33BM EPS trip and PS1 shutter closed. [ISI] |
| | | | | | 104066 | | 12/21/01 18:27 | 12/21/01 18:32 | | 0.08 | RF | Inhibits Beam to User | RF3 tripped on a SL1 Cavity 1&2 IG fit & temporary comm. loss of IOC SRRFsource.[RF] |
| | | | | | 104066 | | 12/21/01 18:32 | 12/21/01 18:42 | | 0.17 | ISI | Inhibits Beam to User | Continued recovery from beam loss [ISI] |
| 93 | 12/21/01 18:42 | 12/21/01 19:24 | 0.70 | S38 Cav.Vac [RF] | | | 12/21/01 19:24 | 12/21/01 19:58 | 0.57 | | | | L4 mod, Booster Pulsed mag. problem, refill |
| | | | | | 104067 | | 12/21/01 19:24 | 12/21/01 19:31 | | 0.12 | RF | Store Lost | RF4 power monitor trip due to SL1&2 IG Fit. [RF] |
| | | | | | 104067 | | 12/21/01 19:31 | 12/21/01 19:36 | | 0.08 | RF | Inhibits Beam to User | L4 modulator trip and reset at lower PFN [RF] |
| | | | | | 104067 | | 12/21/01 19:36 | 12/21/01 19:42 | | 0.10 | RF | Inhibits Beam to User | Continued recovery from beam loss [RF] |
| | | | | | 104067 | | 12/21/01 19:42 | 12/21/01 19:46 | | 0.07 | CTL | Inhibits Beam to User | Continued recovery from IOCBVP1 lost communications [CTL] |
| | | | | | 104067 | | 12/21/01 19:46 | 12/21/01 19:58 | | 0.20 | RF | Inhibits Beam to User | Continued recovery from beam loss [RF] |
| 94 | 12/21/01 19:58 | 12/22/01 07:45 | 11.78 | Beam loss at inj.[UKN] | | | 12/22/01 07:45 | 12/22/01 08:53 | 1.13 | | | | |
| | | | | | 104068 | | 12/22/01 07:45 | 12/22/01 07:56 | | 0.18 | Unidentified | Store Lost | Stored beam dropped to 1.5 mA during fill-on-fill, tripping off injections [Unidentified] |
| | | | | | 104068 | | 12/22/01 07:56 | 12/22/01 08:34 | | 0.63 | PHY | Inhibits Beam to User | LACIS dropped to safe mode; switch from RF Gun from PC gun [PHY] |
| | | | | | 104068 | | 12/22/01 08:34 | 12/22/01 08:53 | | 0.32 | Unidentified | Inhibits Beam to User | Continued recovery from beam loss [Unidentified] |
| 95 | 12/22/01 08:53 | 12/23/01 01:01 | 16.13 | S5 Gespac problem [PS] | 104070 | | 12/23/01 01:01 | 12/23/01 01:59 | 0.97 | 0.97 | PS | Store Lost | Beam loss when GESPAC unplugged; no comm. with S4&5 PS during injection [PS] |
| 96 | 12/23/01 01:59 | 12/23/01 06:15 | 4.27 | Dump 4 Gespac rep. [PS] | | | 12/23/01 06:15 | 12/23/01 09:05 | 2.83 | | | | |
| | | | | | 104070 | | 12/23/01 06:15 | 12/23/01 07:33 | | 1.30 | PS | Store Lost | S4/5 Gespac repair.[PS] |
| | | | | | 104070 | | 12/23/01 07:33 | 12/23/01 07:49 | | 0.27 | CTL | Inhibits Beam to User | Errors running PS conditioning PEM [CTL] |
| | | | | | 104070 | | 12/23/01 07:49 | 12/23/01 08:39 | | 0.83 | PS | Inhibits Beam to User | Continuing recovery from GESPAC repair [PS] |
| | | | | | 104070 | | 12/23/01 08:39 | 12/23/01 08:45 | | 0.10 | PHY | Inhibits Beam to User | PC Gun charge erratic, difficulty getting beam through linac [PHY] |
| | | | | | 104070 | | 12/23/01 08:45 | 12/23/01 09:05 | | 0.33 | OPS | Inhibits Beam to User | Continuing recovery from GESPAC repair [OPS] |
| 97 | 12/23/01 09:05 | 12/23/01 23:59 | 14.90 | Int Dump: End of Period | | | 12/23/01 23:59 | 12/23/01 23:59 | 0.00 | 0.00 | Scheduled | Int. Dump | |
| | | | 119.37 | | | | | | 8.62 | 8.62 | | | |