

MI SBD Status

- **Bug in code**
 - Came into play when 'bad' data came through
 - Attempt to allocate huge array (size determined by range of data)
 - Fixed?
 - Clamp array allocation size
- **Presumably bug in dynamic gain adjustment code**
 - Extremely intermittent (few times a year)
 - Most recent example is scope gain getting stuck at 0
 - Have to change 0 to something reasonable in settings file
- **Problems with 0.00 emittance measurements during Recycler transfers**
- **Problems with NaN's during pbar injections in shot setup**

MI SBD Status

Transfer 2704 03/10/07 03:21 --- ~26 transfers ago

Emittance
Average

| | Triggered MI Beam | 0.073 | 0.101 | 0.000 | 0.072 | E10 |
|-------------|-------------------|-------|--------|-------|-------|------|
| I:BEAMS | MI Beam in E10 | 7.723 | 10.031 | 8.826 | 7.134 | E10 |
| I:IBEAMS | MI DCCT SMALL BEA | 7.727 | 9.988 | 8.794 | 7.160 | E10 |
| I:SBD00E[0] | SBD MI Acq00 emit | 1.262 | 1.663 | 1.679 | 0.000 | EV-S |
| I:SBD00E[1] | SBD MI Acq00 emit | 1.234 | 1.628 | 1.662 | 0.000 | EV-S |
| I:SBD00E[2] | SBD MI Acq00 emit | 1.254 | 1.676 | 1.679 | 0.000 | EV-S |
| I:SBD00E[3] | SBD MI Acq00 emit | 1.298 | 1.669 | 1.686 | 0.000 | EV-S |
| I:SBD00E[4] | SBD MI Acq00 emit | 1.263 | 1.678 | 1.688 | 0.000 | EV-S |
| I:SBD00E[5] | SBD MI Acq00 emit | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I:SBD00E[6] | SBD MI Acq00 emit | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I:SBD00E[7] | SBD MI Acq00 emit | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |

4 Bunches

Intensity
Sum

| | | | | | | |
|-------------|-------------------|--------|--------|--------|--------|------|
| I:BEAMS | MI Beam in E10 | 7.723 | 10.031 | 8.826 | 7.134 | E10 |
| I:IBEAMS | MI DCCT SMALL BEA | 7.727 | 9.988 | 8.794 | 7.160 | E10 |
| I:SBD00E[0] | SBD MI Acq00 emit | 1.262 | 1.663 | 1.679 | 0.000 | EV-S |
| I:SBD00I[0] | SBD MI Acq00 Ints | 71.621 | 93.942 | 81.765 | 81.765 | E9 |
| I:SBD00I[1] | SBD MI Acq00 Ints | 17.419 | 23.271 | 20.128 | 20.128 | E9 |
| I:SBD00I[2] | SBD MI Acq00 Ints | 18.156 | 24.182 | 20.595 | 20.595 | E9 |
| I:SBD00I[3] | SBD MI Acq00 Ints | 18.275 | 23.425 | 20.758 | 20.758 | E9 |
| I:SBD00I[4] | SBD MI Acq00 Ints | 17.771 | 23.064 | 20.284 | 20.284 | E9 |
| I:SBD00I[5] | SBD MI Acq00 Ints | 0.259 | 0.259 | 0.259 | 0.259 | E9 |
| I:SBD00I[6] | SBD MI Acq00 Ints | 0.259 | 0.259 | 0.259 | 0.259 | E9 |

3/14/2007

R. Thurnham-neup -- MI SBD Inty

MI SBD Status

| | | | | | | |
|-------------|-------------------|--------|--------|--------|--------|------|
| I:BEAMS | irrigated MI Beam | 0.075 | 0.101 | 0.088 | 0.072 | E12 |
| I:BEAMS | MI Beam in E10 | 7.723 | 10.031 | 8.826 | 7.134 | E10 |
| I:IBEAMS | MI DCCT SMALL BEA | 7.727 | 9.988 | 8.794 | 7.160 | E10 |
| I:SBD00E[0] | SBD MI Acq00 emit | 1.262 | 1.663 | 1.679 | 0.000 | EV-S |
| I:SBD00I[0] | SBD MI Acq00 Ints | 71.621 | 93.942 | 81.765 | 81.765 | E9 |
| I:SBD00P[0] | SBD MI Acq00 dp/p | 5.848 | 6.661 | 6.690 | 6.690 | E-4 |
| I:SBD01P[0] | SBD MI Acq01 dp/p | 9.139 | 10.650 | 10.764 | 10.764 | E-4 |
| I:SBD02E[0] | SBD MI Acq02 emit | 1.175 | 1.653 | 1.519 | 1.519 | EV-S |
| I:SBD02P[0] | SBD MI Acq02 dp/p | 9.045 | 10.709 | 10.283 | 10.283 | E-4 |
| I:SBD03E[0] | SBD MI Acq03 emit | 1.174 | 1.609 | 1.529 | 1.529 | EV-S |
| I:SBD03I[0] | SBD MI Acq03 Ints | 73.508 | 91.762 | 76.971 | 76.971 | E9 |
| I:SBD03P[0] | SBD MI Acq03 dp/p | 5.698 | 5.825 | 5.703 | 5.703 | E-4 |
| M:OUTTMP | F23 Outdoor temp | 29.899 | 29.899 | 29.800 | 29.700 | DefF |

SDA is reading too early

SBD00E is read at \$26 + 3 secs

SBDxxx is read at \$26 + 1 sec

→ Separate from the early SDA read, Datalogger data seems to indicate that intensity and sigma measurements were correctly made, but not emittance!

MI SBD Status

Store 5276 --- Pbar injections

| | | | | | | | | | | | |
|-------------|-------------------------------|---------|---------|--------------|---------|--------------|--------------|--------------|---------|---------|------|
| I:KPS62B | MI62B Kicker Pwr 8.500 | 8.500 | 8.500 | 8.500 | 8.500 | 8.500 | 8.500 | 8.500 | 8.500 | 8.500 | KV |
| I:LM701 | PI LINE BLM @Q7010.034 | 0.023 | 0.020 | 0.022 | 0.007 | 0.011 | 0.017 | 0.008 | 0.011 | 0.011 | R/S |
| I:SBD00E[0] | SBD MI Acq00 emit1.274 | 1.288 | 1.270 | 1.155 | 1.148 | 1.050 | 1.019 | 1.048 | 1.158 | 1.158 | EV-S |
| I:SBD00I[0] | SBD MI Acq00 Ints197.904 | 196.123 | 194.446 | 190.910 | 190.789 | 182.100 | 183.108 | 182.726 | 178.043 | 178.043 | E9 |
| I:SBD00P[0] | SBD MI Acq00 dp/p5.263 | 5.292 | 5.257 | 5.021 | 5.010 | 4.811 | 4.720 | 4.796 | 5.022 | 5.022 | E-4 |
| I:SBD00S[0] | SBD MI Acq00 sigm41.039 | 41.268 | 40.938 | 38.872 | 38.734 | 36.788 | 36.388 | 36.837 | 38.966 | 38.966 | NSEC |
| I:SBD01E[0] | SBD MI Acq01 emit0.228 | 0.228 | 0.224 | 0.229 | 0.217 | 0.212 | 0.212 | 0.212 | 0.219 | 0.219 | EV-S |
| I:SBD01I[0] | SBD MI Acq01 Ints212.695 | 208.499 | 206.692 | 201.357 | 199.037 | 199.046 | 198.507 | 193.963 | 187.134 | 187.134 | E9 |
| I:SBD01P[0] | SBD MI Acq01 dp/p23.142 | 23.145 | 22.982 | 23.203 | 22.583 | 22.400 | 22.357 | 22.379 | 22.704 | 22.704 | E-4 |
| I:SBD01S[0] | SBD MI Acq01 sigm1.803 | 1.804 | 1.790 | 1.810 | 1.757 | 1.737 | 1.737 | 1.737 | 1.768 | 1.768 | NSEC |
| I:SBD02E[0] | SBD MI Acq02 emit0.286 | 0.262 | 0.256 | 0.259 | 0.257 | 0.250 | 0.248 | 0.253 | 0.254 | 0.254 | EV-S |
| I:SBD02I[0] | SBD MI Acq02 Ints236.891 | 214.484 | 208.245 | 202.885 | 205.483 | 203.076 | 198.141 | 197.020 | 187.280 | 187.280 | E9 |
| I:SBD02P[0] | SBD MI Acq02 dp/p3.849 | 3.687 | 3.645 | 3.662 | 3.654 | 3.606 | 3.588 | 3.626 | 3.630 | 3.630 | E-4 |
| I:SBD02S[0] | SBD MI Acq02 sigm0.794 | 0.759 | 0.751 | 0.756 | 0.753 | 0.741 | 0.739 | 0.746 | 0.749 | 0.749 | NSEC |
| I:SBD03E[0] | SBD MI Acq03 emitRETURNED NaN | 2.644 | 2.379 | RETURNED NaN | 2.416 | RETURNED NaN | RETURNED NaN | RETURNED NaN | 2.759 | 2.759 | EV-S |
| I:SBD03I[0] | SBD MI Acq03 Ints180.729 | 181.033 | 181.754 | 173.709 | 177.297 | 173.778 | 172.371 | 163.578 | 153.891 | 153.891 | E9 |
| I:SBD03P[0] | SBD MI Acq03dp/p(RETURNED NaN | 11.226 | 10.701 | RETURNED NaN | 10.780 | RETURNED NaN | RETURNED NaN | RETURNED NaN | 11.435 | 11.435 | E-4 |
| I:SBD03S[0] | SBD MI Acq03 sigmRETURNED NaN | 2.605 | 2.446 | RETURNED NaN | 2.468 | RETURNED NaN | RETURNED NaN | RETURNED NaN | 2.674 | 2.674 | NSEC |
| I:SBD04E[0] | SBD MI Acq04 emitRETURNED NaN | 2.438 | 2.342 | RETURNED NaN | 2.387 | RETURNED NaN | RETURNED NaN | RETURNED NaN | 2.679 | 2.679 | EV-S |
| I:SBD04I[0] | SBD MI Acq04 Ints182.067 | 180.495 | 180.564 | 173.500 | 177.045 | 174.022 | 174.734 | 166.428 | 153.960 | 153.960 | E9 |
| I:SBD04P[0] | SBD MI Acq04 dp/pRETURNED NaN | 10.820 | 10.632 | RETURNED NaN | 10.717 | RETURNED NaN | RETURNED NaN | RETURNED NaN | 11.280 | 11.280 | E-4 |
| I:SBD04S[0] | SBD MI Acq04 sigmRETURNED NaN | 2.482 | 2.422 | RETURNED NaN | 2.451 | RETURNED NaN | RETURNED NaN | RETURNED NaN | 2.629 | 2.629 | NSEC |
| I:TFH306 | Flash data - scal0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | prot |
| I:TFH502 | Flash data - scal0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | prot |

MI SBD Status

| | | | | | | | | | | | | |
|--------------|--------------|------|--------------|-------|-------|--------------|-------|--------------|--------------|--------------|-------|------|
| I:SBD02S[0] | SBD MI Acq02 | sigm | 0.794 | 0.759 | 0.751 | 0.756 | 0.753 | 0.741 | 0.739 | 0.746 | 0.749 | NSEC |
| I:SBD03E[0] | SBD MI Acq03 | emit | RETURNED NaN | 2.644 | 2.379 | RETURNED NaN | 2.416 | RETURNED NaN | RETURNED NaN | RETURNED NaN | 2.759 | EV-S |
| I:SBD03E[1] | SBD MI Acq03 | emit | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I:SBD03E[2] | SBD MI Acq03 | emit | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I:SBD03E[3] | SBD MI Acq03 | emit | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I:SBD03E[4] | SBD MI Acq03 | emit | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I:SBD03E[5] | SBD MI Acq03 | emit | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I:SBD03E[6] | SBD MI Acq03 | emit | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I:SBD03E[7] | SBD MI Acq03 | emit | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I:SBD03E[8] | SBD MI Acq03 | emit | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I:SBD03E[9] | SBD MI Acq03 | emit | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I:SBD03E[10] | SBD MI Acq03 | emit | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I:SBD03E[11] | SBD MI Acq03 | emit | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I:SBD03E[12] | SBD MI Acq03 | emit | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I:SBD03E[13] | SBD MI Acq03 | emit | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I:SBD03E[14] | SBD MI Acq03 | emit | 2.501 | 2.698 | 2.396 | 2.381 | 2.448 | 2.391 | 2.428 | 2.744 | 2.768 | EV-S |
| I:SBD03E[15] | SBD MI Acq03 | emit | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I:SBD03E[16] | SBD MI Acq03 | emit | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |

All the individual array elements that go into the average are OK !?!?!?

Data logger seems to confirm that the averages are NaN's

MI SBD Status

Store 5274 --- Pbar injections

| I:KF562B | MI62B KICKER PWR 8.500 | 8.500 | 8.500 | 8.500 | 8.500 | 8.500 | 8.500 | 8.500 | 8.500 | KV |
|-------------|-------------------------------|--------------|--------------|--------------|---------|---------|---------|--------------|--------------|------|
| I:LM701 | P1 LINE BLM @Q7010.007 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | R/S |
| I:SBD00E[0] | SBD MI Acq00 emit1.040 | 0.918 | 0.000 | 0.000 | 0.000 | 0.877 | 0.842 | 1.046 | 0.956 | EV-S |
| I:SBD00I[0] | SBD MI Acq00 Ints153.511 | 144.141 | 1144.439 | 684.035 | 191.297 | 133.782 | 146.958 | 160.761 | 140.170 | E9 |
| I:SBD00P[0] | SBD MI Acq00 dp/p4.802 | 4.519 | 0.000 | 0.000 | 0.000 | 4.433 | 4.348 | 4.817 | 4.616 | E-4 |
| I:SBD00S[0] | SBD MI Acq00 sigm36.521 | 34.164 | 0.000 | 0.000 | 0.000 | 33.262 | 32.516 | 36.614 | 34.864 | NSEC |
| I:SBD01E[0] | SBD MI Acq01 emit0.208 | 0.206 | RETURNED NaN | RETURNED NaN | 0.273 | 0.189 | 0.196 | 0.197 | 0.200 | EV-S |
| I:SBD01I[0] | SBD MI Acq01 Ints173.093 | 175.478 | 1219.467 | 780.793 | 247.331 | 157.108 | 176.752 | 161.069 | 150.851 | E9 |
| I:SBD01P[0] | SBD MI Acq01 dp/p22.164 | 22.047 | 40.171 | 40.513 | 25.239 | 21.164 | 21.552 | 21.601 | 21.722 | E-4 |
| I:SBD01S[0] | SBD MI Acq01 sigm1.720 | 1.710 | 5.366 | 5.232 | 1.995 | 1.632 | 1.665 | 1.669 | 1.681 | NSEC |
| I:SBD02E[0] | SBD MI Acq02 emit0.248 | 0.241 | RETURNED NaN | RETURNED NaN | 0.529 | 0.244 | 0.233 | 0.252 | 0.236 | EV-S |
| I:SBD02I[0] | SBD MI Acq02 Ints192.205 | 178.847 | 1248.200 | 806.409 | 258.329 | 173.595 | 174.755 | 169.321 | 156.045 | E9 |
| I:SBD02P[0] | SBD MI Acq02 dp/p3.595 | 3.546 | 14.553 | 14.665 | 5.230 | 3.564 | 3.485 | 3.627 | 3.509 | E-4 |
| I:SBD02S[0] | SBD MI Acq02 sigm0.738 | 0.727 | 5.239 | 5.060 | 1.084 | 0.731 | 0.714 | 0.744 | 0.719 | NSEC |
| I:SBD03E[0] | SBD MI Acq03 emitRETURNED NaN | RETURNED NaN | RETURNED NaN | RETURNED NaN | 1.767 | 1.790 | 1.823 | RETURNED NaN | RETURNED NaN | EV-S |
| I:SBD03I[0] | SBD MI Acq03 Ints173.262 | 174.846 | 1270.786 | 818.687 | 256.570 | 167.637 | 164.333 | 154.759 | 143.265 | E9 |
| I:SBD03P[0] | SBD MI Acq03dp/p(RETURNED NaN | RETURNED NaN | 14.523 | 14.512 | 9.367 | 9.413 | 9.500 | RETURNED NaN | RETURNED NaN | E-4 |
| I:SBD03S[0] | SBD MI Acq03 sigmRETURNED NaN | RETURNED NaN | 5.273 | 5.266 | 2.055 | 2.072 | 2.091 | RETURNED NaN | RETURNED NaN | NSEC |
| I:SBD04E[0] | SBD MI Acq04 emitRETURNED NaN | RETURNED NaN | RETURNED NaN | RETURNED NaN | 1.760 | 1.700 | 1.824 | RETURNED NaN | RETURNED NaN | EV-S |
| I:SBD04I[0] | SBD MI Acq04 Ints180.320 | 159.989 | 1271.053 | 818.134 | 256.773 | 162.239 | 165.279 | 155.567 | 146.975 | E9 |
| I:SBD04P[0] | SBD MI Acq04 dp/pRETURNED NaN | RETURNED NaN | 14.514 | 14.504 | 9.340 | 9.186 | 9.496 | RETURNED NaN | RETURNED NaN | E-4 |
| I:SBD04S[0] | SBD MI Acq04 sigmRETURNED NaN | RETURNED NaN | 5.272 | 5.264 | 2.052 | 2.014 | 2.093 | RETURNED NaN | RETURNED NaN | NSEC |
| I:TFH306 | Flash data - scal0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | prot |
| I:TFH502 | Flash data - scal0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | prot |

MI SBD Status

| | | | | | | | | | | |
|---------------|-------------------------|--------|--------------|--------------|-------|--------|--------|--------|--------|------|
| I: SBD000[0] | SBD MI Acq00 op/p4.80z | 4.519 | 0.000 | 0.000 | 0.000 | 4.433 | 4.348 | 4.817 | 4.616 | E-4 |
| I: SBD005[0] | SBD MI Acq00 sigm36.521 | 34.164 | 0.000 | 0.000 | 0.000 | 33.262 | 32.516 | 36.614 | 34.864 | NSEC |
| I: SBD01E[0] | SBD MI Acq01 emit0.208 | 0.206 | RETURNED NaN | RETURNED NaN | 0.273 | 0.189 | 0.196 | 0.197 | 0.200 | EV-S |
| I: SBD01E[1] | SBD MI Acq01 emit0.000 | 0.000 | RETURNED NaN | RETURNED NaN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I: SBD01E[2] | SBD MI Acq01 emit0.000 | 0.000 | RETURNED NaN | RETURNED NaN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I: SBD01E[3] | SBD MI Acq01 emit0.000 | 0.000 | RETURNED NaN | RETURNED NaN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I: SBD01E[4] | SBD MI Acq01 emit0.000 | 0.000 | RETURNED NaN | RETURNED NaN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I: SBD01E[5] | SBD MI Acq01 emit0.000 | 0.000 | RETURNED NaN | RETURNED NaN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I: SBD01E[6] | SBD MI Acq01 emit0.000 | 0.000 | RETURNED NaN | RETURNED NaN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I: SBD01E[7] | SBD MI Acq01 emit0.000 | 0.000 | RETURNED NaN | RETURNED NaN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I: SBD01E[8] | SBD MI Acq01 emit0.000 | 0.000 | RETURNED NaN | RETURNED NaN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I: SBD01E[9] | SBD MI Acq01 emit0.000 | 0.000 | RETURNED NaN | RETURNED NaN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I: SBD01E[10] | SBD MI Acq01 emit0.000 | 0.000 | RETURNED NaN | RETURNED NaN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I: SBD01E[11] | SBD MI Acq01 emit0.000 | 0.000 | RETURNED NaN | RETURNED NaN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I: SBD01E[12] | SBD MI Acq01 emit0.180 | 0.174 | RETURNED NaN | RETURNED NaN | 0.445 | 0.138 | 0.164 | 0.142 | 0.161 | EV-S |
| I: SBD01E[13] | SBD MI Acq01 emit0.199 | 0.198 | RETURNED NaN | 0.837 | 0.206 | 0.191 | 0.190 | 0.196 | 0.193 | EV-S |
| I: SBD01E[14] | SBD MI Acq01 emit0.238 | 0.236 | 0.859 | 0.646 | 0.233 | 0.233 | 0.233 | 0.236 | 0.239 | EV-S |
| I: SBD01E[15] | SBD MI Acq01 emit0.240 | 0.239 | RETURNED NaN | 0.777 | 0.230 | 0.210 | 0.229 | 0.235 | 0.232 | EV-S |
| I: SBD01E[16] | SBD MI Acq01 emit0.187 | 0.186 | RETURNED NaN | RETURNED NaN | 0.262 | 0.172 | 0.183 | 0.182 | 0.178 | EV-S |
| I: SBD01E[17] | SBD MI Acq01 emit0.000 | 0.000 | RETURNED NaN | RETURNED NaN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |
| I: SBD01E[18] | SBD MI Acq01 emit0.000 | 0.000 | RETURNED NaN | RETURNED NaN | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | EV-S |

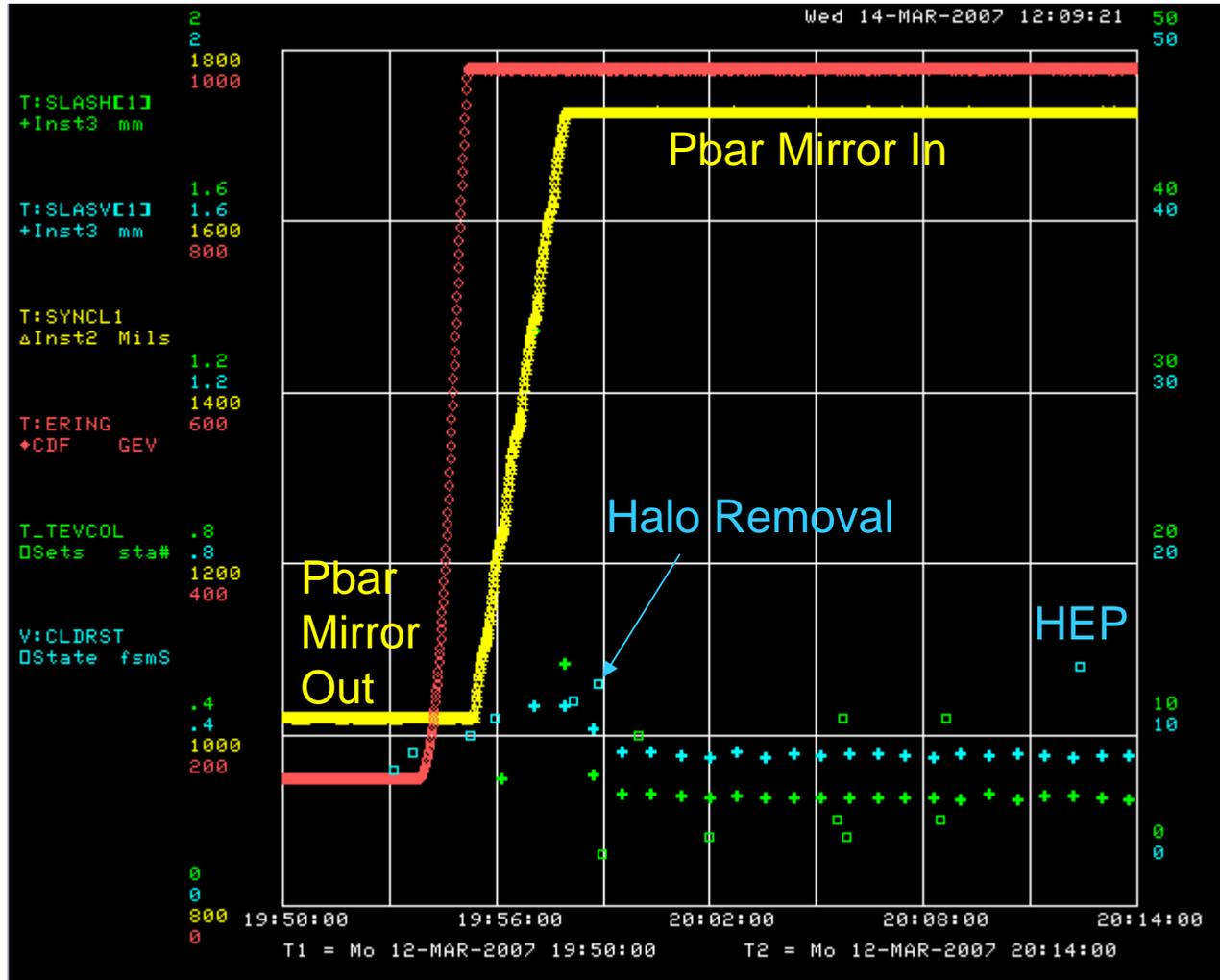
TEV SBD Status

- **TCPort problems**
 - TCPort is method for reading values from other front ends
 - TCPort runs on CFSS(?) node...
 - Reads requested values from other front ends
 - Sends them to requesting front end at requested time intervals
- Connection goes away... data becomes stale
 - Energy, RF frequency, RF voltages
- Easy to detect problem
- Currently implementing reset of connection
- Might be better off with alarm?

Synclite Status

- Swapped a harddrive following a message about disk problems and a subsequent hang
 - Unfortunately had another hang yesterday
 - Will keep track of this
- Occasional TCPort problems
- Pbar mirror is now being inserted at....

Synclite Status



BLM Commissioning

- MI is completely wiredup
 - Aborts are enabled
 - Console app is used to set thresholds
 - Recent aborts have led to discoveries of wrong settings
- TEV is staged
 - Crates are in place or near their final destination
 - Now that MI is functioning, develop plan for hooking up TEV
 - Verification of loss measurements is occurring at A0
 - Need plan for verifying the abort behavior prior to actually enabling it

Conclusions

- Lest I give the impression that all my systems are falling apart...

```
Linux PC D31 ACNET Node Poll-NoSets>
D31 ACNET Node Poll Pgm_Tools
Select Page Cull Radix STOP Search Edit Page Select
Show Query
Node Address Type Uptime p/s Node Address Type Uptime p/s
TAGI 11:224 VME 117D 00:32:58 7
```

TEV
Abort Gap Monitor

- Recently seen correlations in pbar version with CDF's pbar abort gap loss monitors (see R. Moore Tev Mtg talk)