**Hg System Operation during the MERIT In-Beam Experiment**
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**January 11, 2008**

The Mercury Intense Target (MERIT) experiment is a proof-of-principal experiment to determine the feasibility of using a free-stream Hg jet as a target for a Neutrino Factory or Muon Collider. High-speed optics are used to record the interaction of a 14- or 24-GeV proton beam with a 20m/s Hg jet inside a 15T solenoid magnet. After working throughout the summer to correct equipment problems and complete the installation, the in-beam physics run was scheduled for October 22 – November 12, 2007. ORNL was responsible for the design, fabrication, and development of the Hg delivery system. Operation of the Hg delivery system was performed by ORNL engineers during the first and last weeks of the experiment, with the middle week covered by personnel from Rutherford Appleton Laboratory.

A layout of the integrated Hg system with the solenoid is shown in Figure 1. In this image, the proton beam and jet travel from right to left. The optical viewports are shown in the image, and viewport #2 is located at the point of highest field intensity and is the intended location of the jet-beam interaction.

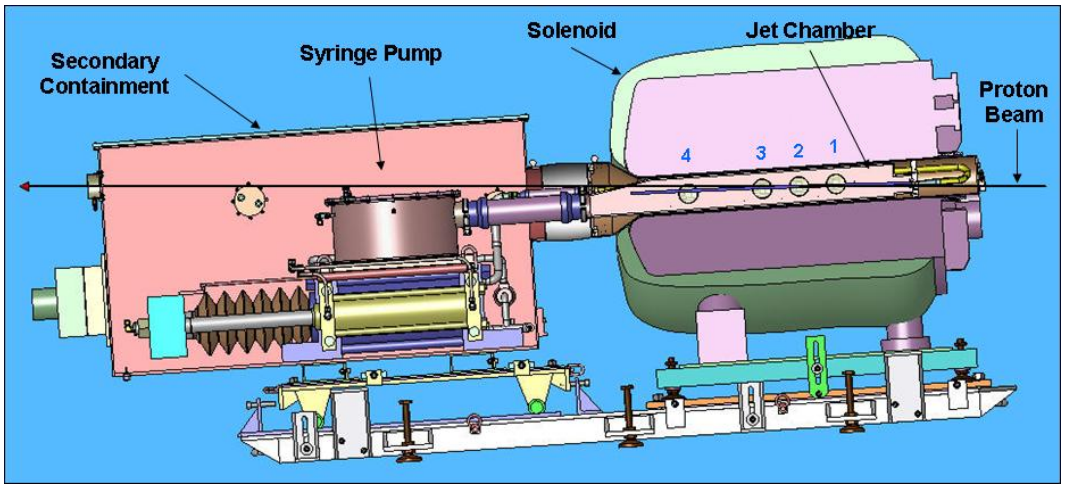


**Figure 1. MERIT equipment layout**

The equipment in its installed condition is shown in Figure 2, with the upstream end of the target snout visible in the magnet bore.

**Figure 2. Hg system mated with solenoid.**

The majority of the first week was spent steering the beam and calibrating various beam components. Timing of the various subsystems (Hg jet, optical diagnostics, magnet power supply, particle detectors, cryogenics) to the beam trigger pulse was tested and verified. Images of the jet in a magnetic field were recorded. Horizontal and vertical scans of the beam were performed in order to steer the beam onto the Hg target.

At approximately 8:30pm on October 26$^{th}$, the first recorded images of a jet-field-beam interaction were completed. These are shown in Figure 2 and correspond to a 15m/s Hg jet inside a 5T magnetic field with a 14GeV proton beam; proton intensity was 10TP.

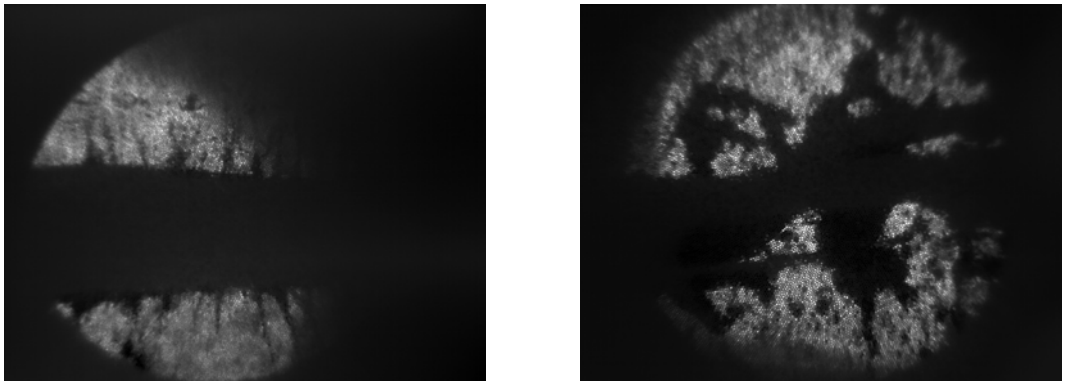

**Figure 2. First beam-jet interaction. The left image is from viewport #1 2ms after beam. The right image is from viewport #3 26ms after beam.**

During this pulse, the beam interacted with the jet in viewport #1. The "whiskers" of pending jet explosion can be seen in this image. By the time that portion of the jet had traveled to viewport #3 (300mm), the jet explosion was completed. This was the expected behavior in a low-intensity magnetic field.

Additional beam tuning occurred the following day to move the beam-jet interaction to viewport #2, which was the actual intended location. This effort concluded the first week and left the experiment in a condition ready to perform more involved physics testing during the remaining two weeks. Because multiple runs of low field (5T) intensity could be performed without actively cooling the magnet, the run plan was modified to conduct the low-field portion of the experiment early in the program and delay the higher field (15T) runs until the end.

The run plan for the experiment was developed with three goals in mind:

- to study the effect of varying beam charge intensities from 1 TP to 30 TP,
- to study the influence of solenoid field strength on jet dispersal by varying $B_Z$ from 0 T to 15 T, and
- to study possible cavitation effects by varying the PS spill structure (pump/probe).

Appendix A contains a listing of the runs performed during the MERIT experiment and shows how the various parameters were changed to meet the experimental goals.

During operation of the experiment, the Hg system operated as expected, with no major issues encountered. The Hg pressure sensor, which is located within the secondary containment box near the solenoid and thus was subject to the particle shower during each beam pulse, began having periods of intermittent inoperability during the first week of the experiment. This sensor has on-board electronics and was not expected to last for the duration of the experiment; the information it provided was required during the integrated systems test at MIT to observe possible magneto-hydrodynamic effects of the magnetic field on the Hg flow, but was not a critical piece of information required for the in-beam experiment since the flow had already been characterized.

There were some aspects of the control system user interface that could be improved upon, especially given that persons besides the system developer operated the Hg system. Should follow-on efforts be pursued, these changes will be incorporated. In general, remote control of the other sub-systems (cryogenics, optical diagnostics, and magnet power supplies) worked well during the experiment.

Appendix A. MERIT Run List

| comment | Beam No | Flag 1 H | Flag1 V | Flag2 H | Flag2 V | Angle H | Angle V | Window H | Window V | # bunches | beam intensity TP | Field T | Jet m/s | action comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23-Oct | | | | | | | | | | | | | | |
| | 1002 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1003 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1004 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1005 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1006 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1007 | | | | | | | | | 1 | 0 | 0 | 0 | Fake Trigger in PD |
| | 1008 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1009 | | | | | | | | | 1 | 0 | 0 | 0 | Lost Flag Images |
| | 1010 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1011 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1012 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1013 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1014 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1015 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1016 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1017 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1018 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1019 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1020 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1021 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1022 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1023 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1024 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1025 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1026 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1027 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1018 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1029 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1030 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1031 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1032 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1033 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1034 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1037 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1038 | | | | | | | | | 1 | 0 | 0 | 15 | |
| | 1039 | | | | | | | | | 1 | 0 | 1 | 15 | |
| | 1040 | | | | | | | | | 1 | 0 | 2 | 15 | |
| | 1041 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1042 | | | | | | | | | 1 | 0 | 2 | 15 | |
| | 1043 | 9.9 | -5.9 | 6.3 | -3 | -2.25 | 1.8125 | -0.45 | 2.4375 | 1 | 0 | 0 | 0 | |
| | 1044 | 15.2 | -5.7 | 13.77 | -3.4 | -0.8938 | 1.4375 | 11.0888 | 0.9125 | 1 | 0 | 0 | 0 | |
| | 1045 | 4.6 | -6.6 | -2.6 | -2.8 | -4.5 | 2.375 | -16.1 | 4.325 | 1 | 0 | 2 | 0 | |
| | 1046 | | | | | | | | | 1 | 0 | 5 | 15 | |
| | 1047 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1048 | | | | | | | | | | | 0 | 0 | No beam |
| | 1049 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1050 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1051 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1052 | | | | | | | | | 1 | 0 | 0 | 0 | |
| | 1053 | | | | | | | | | 1 | 0 | 5 | 15 | |
| | 1054 | | | | | | | | | 4 | 1 | 5 | 15 | |
| | 1055 | | | | | | | | | 4 | 1 | 5 | 15 | |
| | 1056 | | | | | | | | | 4 | 1 | 5 | 15 | |
| | 1057 | | | | | | | | | 4 | 1 | 5 | 15 | |
| | 1058 | | | | | | | | | | | 5 | 15 | No beam |
| | 1059 | | | | | | | | | 4 | 1 | 5 | 15 | |
| | | | | | | | | | | | 12 | 7 | | |
| 24-Oct | | | | | | | | | | | | | | |
| | 2001 | 9 | 9.4 | 6.6 | -2.55 | -1.5 | -7.469 | 2.1 | -24.956 | 1 | 0 | 0 | 0 | |
| | 2002 | 5.4 | -6.2 | 1.1 | -1.9 | -2.6875 | 2.6875 | -6.9625 | 6.1625 | 1 | 0 | 0 | 0 | |
| | 2003 | 13.9 | -5.6 | 11.4 | -2.6 | -1.5625 | 1.875 | 6.7125 | 3.025 | 1 | 0 | 0 | 0 | |
| | 2004 | 17.3 | -5.4 | 16.5 | -2.7 | -0.5 | 1.6875 | 15 | 2.3625 | 1 | 0 | 0 | 0 | |
| | 2005 | 2.44 | -6.3 | -5 | -2.2 | -4.65 | 2.5625 | -18.95 | 5.4875 | 1 | 0 | 0 | 0 | |
| | 2006 | -2 | -6.5 | -9.5 | -1.6 | -4.6875 | 3.0625 | -23.563 | 7.5875 | 1 | 0 | 0 | 0 | |
| | 2007 | -2.6 | -6.5 | -12.3 | -1.8 | -6.0625 | 2.9375 | -30.488 | 7.0125 | 1 | 0 | 0 | 0 | |
| | 2008 | -5.6 | -6.4 | -15.2 | -1.6 | -6 | 3 | -33.2 | 7.4 | 1 | 0 | 0 | 0 | |
| | 2009 | 4.3 | -6.2 | -1.9 | -2.2 | -3.875 | 2.5 | -13.525 | 5.3 | 1 | 0 | 0 | 0 | |
| | 2010 | | | | | 0 | 0 | 0 | 0 | | | | | No PS Beam |
| | 2011 | 5 | -5.6 | -1.2 | -1.8 | -3.875 | 2.375 | -12.825 | 5.325 | 1 | 0 | 0 | 0 | |
| | 2012 | 4.3 | -6.1 | -1.3 | -0.9 | -3.5 | 3.25 | -11.8 | 8.85 | 1 | 0 | 0 | 0 | |
| | 2013 | | | | | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | |
| | 2014 | 4.7 | -5.65 | -1.5 | 0 | -3.875 | 3.5313 | -13.125 | 10.5938 | 1 | 0 | 0 | 0 | |
| | 2015 | 4.6 | -6.5 | -1.2 | -3.2 | -3.625 | 2.0625 | -12.075 | 2.9875 | 1 | 0 | 0 | 0 | |
| | 2016 | 4.3 | -6.8 | -1.9 | -4 | -3.875 | 1.75 | -13.525 | 1.25 | 1 | 0 | 0 | 0 | |
| | 2017 | 4.6 | -8 | -1 | -7.6 | -3.5 | 0.25 | -11.5 | -6.85 | 1 | 0 | 0 | 0 | |
| | 2018 | 4.9 | -8 | -1.1 | -6.1 | -3.75 | 1.1875 | -12.35 | -2.5375 | 1 | 0 | 0 | 0 | |
| | 2019 | 4.6 | -8.8 | -1.4 | -8.1 | -3.75 | 0.4375 | -12.65 | -6.7875 | 1 | 0 | 0 | 0 | |
| | 2020 | 4.7 | -10 | -1.4 | -10 | -3.8125 | 0 | -12.838 | -10 | 1 | 0 | 0 | 0 | |
| | 2021 | 4.6 | -10.9 | -1.2 | -11.3 | -3.625 | -0.25 | -12.075 | -12.05 | 1 | 0 | 0 | 0 | |
| | 2022 | 4.9 | -10.5 | -1.4 | -9.8 | -3.9375 | 0.4375 | -13.213 | -8.4875 | 1 | 0 | 0 | 0 | |
| | 2023 | 4.7 | -11.2 | -1.4 | -12.6 | -3.8125 | -0.875 | -12.838 | -15.225 | 1 | 0 | 0 | 0 | |
| | 2024 | | | | | | | | | | | | | |
| | 2025 | 4.7 | -7.2 | -1.6 | -4.8 | -3.9375 | 1.5 | -13.413 | -0.3 | 1 | 0 | 0 | 0 | |
| 25-Oct | | | | | | | | | | | | | | |

| comment | | Beam No | Flag 1 H | Flag1 V | Flag2 H | Flag2 V | Angle H | Angle V | Window H | Window V | # bunches | beam intensity TP | Field T | Jet m/s | action comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3001 | | | | | | | | | 2 | 1 | 0 | 0 | Pump/Probe Test |
| | | 3002 | 2.4 | -7.2 | -2.9 | -5.2 | -3.3125 | 1.25 | -12.838 | -1.45 | 2 | 1 | 0 | 0 | |
| | | 3003 | 1.7 | -7.4 | -3.3 | -5.2 | -3.125 | 1.375 | -12.675 | -1.075 | 2 | 1 | 0 | 0 | 20us delay |
| | | 3004 | 1.6 | -7.2 | -3.9 | -5 | -3.4375 | 1.375 | -14.213 | -0.875 | 2 | 1 | 0 | 0 | 200us delay |
| | | 3005 | 1.3 | -7.2 | -4 | -4.8 | -3.3125 | 1.5 | -13.938 | -0.3 | 2 | 1 | 0 | 0 | 200us delay |
| | | 3006 | 1.6 | -7.6 | -3.7 | -4.8 | -3.3125 | 1.75 | -13.638 | 0.45 | 12+4 | 4 | 0 | 0 | 12+4 setup 3.7us |
| | | 3007 | 3.7 | -6.9 | -2.7 | -4.7 | -4 | 1.375 | -14.7 | -0.575 | 12+4 | 4 | 0 | 0 | 200us delay |
| | | 3008 | 1.3 | -7.6 | 1.8 | -4.8 | 0.3125 | 1.75 | 2.7375 | 0.45 | 12+4 | 4 | 0 | 0 | 500us delay |
| | | 3009 | 1.1 | -7.9 | 2.8 | -4.5 | 1.0625 | 2.125 | 5.9875 | 1.875 | 12+4 | 4 | 0 | 0 | 1ms delay |
| | | 3010 | | | | | 0 | 0 | 0 | 0 | 12+4 | 4 | 0 | 0 | 1ms delay |
| | | 3011 | 0.86 | -7.4 | -2.9 | -5.2 | -2.35 | 1.375 | -9.95 | -1.075 | 12+4 | 4 | 0 | 0 | 1ms delay |
| | | 3012 | 1 | -7.4 | -2.5 | -4.8 | -2.1875 | 1.625 | -9.0625 | 0.075 | 12+4 | 4 | 0 | 0 | 500us delay |
| | | 3013 | 3.6 | -7 | -1.2 | -4.7 | -3 | 1.4375 | -10.2 | -0.3875 | 12+4 | 4 | 0 | 0 | |
| | | 3014 | 3.2 | -7.2 | -1 | -5.3 | -2.625 | 1.1875 | -8.875 | -1.7375 | 16 | 4 | 0 | 15 | Hg Horizontal Scan |
| | | 3015 | 3.1 | -7 | -1.2 | -4.7 | -2.6875 | 1.4375 | -9.2625 | -0.3875 | 16 | 4 | 5 | 15 | |
| | | 3016 | 7.5 | -7.2 | 5.2 | -5 | -1.4375 | 1.375 | 0.8875 | -0.875 | 16 | 4 | 5 | 15 | |
| | | 3017 | 6.3 | -7.2 | 3.4 | -4.7 | -1.8125 | 1.5625 | -2.0375 | -0.0125 | 16 | 4 | 5 | 15 | |
| | | 3018 | 5 | -7.2 | 1 | -4.7 | -2.5 | 1.5625 | -6.5 | -0.0125 | 16 | 4 | 5 | 15 | |
| | | 3019 | 2.6 | -7.2 | -2.6 | -4.7 | -3.25 | 1.5625 | -12.35 | -0.0125 | 16 | 4 | 5 | 15 | |
| | | 3020 | 0.7 | -7.2 | -5.2 | -4.5 | -3.6875 | 1.6875 | -16.263 | 0.5625 | 16 | 4 | 5 | 15 | |
| | | 3021 | 9.2 | -6.8 | 7.3 | -5.2 | -1.1875 | 1 | 3.7375 | -2.2 | 16 | 4 | 5 | 15 | |
| | | 3022 | 10.8 | -6.8 | 0 | -5 | -6.75 | 1.125 | -20.25 | -1.625 | 16 | 4 | 5 | 15 | |
| | | 3023 | 11.8 | -6.3 | 10.9 | -5.2 | -0.5625 | 0.6875 | 9.2125 | -3.1375 | 16 | 4 | 5 | 15 | |
| | | 3024 | 13.1 | -6.3 | 13.2 | -5.2 | 0.0625 | 0.6875 | 13.3875 | -3.1375 | 16 | 4 | 5 | 15 | |
| | | 3025 | | | | | | | | | 0 | 0 | 5 | 0 | Test of Cryo Interlock |
| 26-Oct | | | | | | | | | | | | | | | |
| | | 4001 | 9.1 | -6.6 | 7.3 | -5.2 | -1.13 | 0.88 | 3.93 | -2.58 | 1 | 0 | 0 | 15 | |
| | | 4002 | 8.9 | -6.6 | 7.5 | -5.2 | -0.88 | 0.88 | 4.88 | -2.58 | 1 | 0 | 5 | 15 | |
| | | 4003 | 8.9 | -9.9 | 7 | -13.5 | -1.19 | -2.25 | 3.44 | -20.25 | 1 | 0 | 5 | 15 | |
| | | 4004 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | 1 | 0 | 5 | 15 | DVT out of regulation |
| | | 4005 | 9.1 | -9.4 | 7.6 | -10.6 | -0.94 | -0.75 | 4.79 | -12.85 | 1 | 0 | 5 | 15 | |
| | | 4006 | 8.8 | -8.3 | 6.9 | -7.7 | -1.19 | 0.38 | 3.34 | -6.58 | 1 | 0 | 5 | 15 | |
| | | 4007 | 8.9 | -5.1 | 6.5 | 0.6 | -1.50 | 3.56 | 2.00 | 11.29 | 1 | 0 | 5 | 15 | |
| | | 4008 | 8.8 | -5.8 | 7.3 | -2.7 | -0.94 | 1.94 | 4.49 | 3.11 | 1 | 0 | 5 | 15 | Flag Images Lost |
| | | 4009 | 8.8 | -5.8 | 7.3 | -2.7 | -0.94 | 1.94 | 4.49 | 3.11 | 1 | 0 | 5 | 15 | Repeat of 4008 |
| | | 4010 | 9.4 | -7 | 7.5 | -5.1 | -1.19 | 1.19 | 3.94 | -1.54 | | | | | PS did not deliver beam |
| | | 4011 | 9.1 | -6.8 | 7.4 | -4.7 | -1.06 | 1.31 | 4.21 | -0.76 | 1 | 0 | 0 | 0 | |
| | | 4012 | 8.9 | -7 | 7.4 | -5.3 | -0.94 | 1.06 | 4.59 | -2.11 | 1 | 0 | 5 | 0 | |
| | | 4013 | 7.5 | -6.6 | 5.65 | -5.5 | -1.16 | 0.69 | 2.18 | -3.44 | 1 | 0 | 0 | 0 | |
| | | 4013 | 8.2 | -6.6 | 5.7 | -4.8 | -1.56 | 1.13 | 1.01 | -1.43 | | | | | Re-read of Flags |
| | | 4014 | | | | | | | | | | | | | No Beam PS Inhibit on |
| | | 4015 | 7.1 | -8.7 | 4.9 | -4.8 | -1.38 | 2.44 | 0.78 | 2.51 | 16 | 10 | 5 | 15 | |
| | | 4016 | 6.9 | -7.3 | 5.1 | -4.8 | -1.13 | 1.56 | 1.73 | -0.11 | 16 | 10 | 5 | 15 | |
| | | 4017 | 7.1 | -7 | 5.1 | -4.7 | -1.25 | 1.44 | 1.35 | -0.39 | 16 | 10 | 5 | 15 | |
| | | 4018 | | | | | | | | | | | | | No Beam PS Inhibit on |
| | | 4019 | 6.7 | -7.2 | 5 | -2.7 | -1.06 | 2.81 | 1.81 | 5.74 | 16 | 10 | 5 | 15 | |
| | | 4020 | 9.2 | -6.6 | 5.2 | -4.8 | -2.50 | 1.13 | -2.30 | -1.43 | 2 | 1 | 0 | 0 | |
| | | 4021 | 9.4 | -6.8 | 4.6 | -4 | -3.00 | 1.75 | -4.40 | 1.25 | 2 | 1 | 0 | 0 | |
| | | 4023 | 10.2 | -6.8 | 7.7 | -4.7 | -1.56 | 1.31 | 3.01 | -0.76 | 2 | 1 | 0 | 0 | |
| | | 4024 | 8.9 | -6.1 | 4 | -2.9 | -3.06 | 2.00 | -5.19 | 3.10 | 2 | 1 | 0 | 0 | |
| | | 4025 | 4.7 | -7.2 | -1.2 | -3.1 | -3.69 | 2.56 | -12.26 | 4.59 | 2 | 1 | 0 | 0 | |
| | | 4026 | 6 | -6.6 | 0.7 | -2.9 | -3.31 | 2.31 | -9.24 | 4.04 | 2 | 1 | 0 | 0 | |
| | | 4028 | 4.7 | -8.1 | -0.1 | -2.7 | -3.00 | 3.38 | -9.10 | 7.43 | 16 | 10 | 0 | 0 | |
| | | 4029 | | | | | | | | | 16 | 10 | 0 | 0 | Hg received early trigger-target empty |
| | | | | | | | | | | | | | | | Ref position I.E. Settings =0,0 splash |
| | | 4030 | 4.7 | -7.3 | 0 | -2.7 | -2.94 | 2.88 | -8.81 | 5.93 | 16 | 10 | 0 | 15 | origin in window 1 |
| | | 4031 | 4.7 | -7.6 | | | | | | | 16 | 10 | 5 | 15 | Ref position I.E. Settings =0,0 |
| | | 4032 | 5 | -7.3 | 0 | -3.5 | -3.13 | 2.38 | -9.38 | 3.63 | 2 | 1 | 5 | 0 | |
| | | 4033 | 5.5 | -8 | 0.3 | -4.7 | -3.25 | 2.06 | -9.45 | 1.49 | 2 | 1 | 5 | 0 | |
| | | | | | | | | | | | | | | | lower by 5mm to move the interaction |
| | | 4034 | 5.3 | -8.5 | 0.3 | -4.8 | -3.13 | 2.31 | -9.08 | 2.14 | 2 | 1 | 5 | 0 | point to 2nd window |
| 27-Oct | | | | | | | | | | | | | | | |
| 12:00 AM | | 5001 | 5.9 | -7.7 | 0.3 | -4.8 | -3.50 | 1.81 | -10.20 | 0.64 | 4 | 1 | 0 | 0 | |
| 10:56 AM | | 5002 | 6 | -7.6 | 0.3 | -4.8 | -3.56 | 1.75 | -10.39 | 0.45 | 4 | 1 | 0 | 0 | |
| 11:11 AM | | 5002 | 5.8 | -8 | 0.6 | -5.2 | -3.25 | 1.75 | -9.15 | 0.05 | | | | | Remeasure of Flags |
| 11:22 AM | | 5003 | 6 | -8.1 | 0.1 | -4.7 | -3.69 | 2.13 | -10.96 | 1.68 | 4 | 1 | 5 | 15 | no splash at 1 TP |
| 11:39 AM | | 5004 | 4.7 | -7.9 | 0.1 | -4.8 | -2.88 | 1.94 | -8.53 | 1.01 | 16 | 10 | 5 | 15 | splash between window 1 and 2 |
| 12:05 PM | | 5005 | 5.6 | -8 | 0.4 | -5.6 | -3.25 | 1.50 | -9.35 | -1.10 | 4 | 1 | 0 | No | 2 mm down dvt 451 to -4 |
| 12:09 PM | | 5006 | 5.9 | -8.8 | 0.3 | -6.8 | -3.50 | 1.25 | -10.20 | -3.05 | | | | | 2 mm down dvt 451 to -8 |
| | | | | | | | | | | | | | | | 1 mm up dvt 451 to -6 disruption observed |
| 12:15 PM | | 5007 | 5.5 | -10.1 | 0.1 | -7.1 | -3.38 | 1.88 | -10.03 | -1.48 | 16 | 10 | 0 | 15 | in port 3 not in VP#2 |
| 12:27 PM | | 5008 | 4.7 | -8.5 | 0.3 | -5.5 | -2.75 | 1.88 | -7.95 | 0.13 | 16 | 10 | 5 | 15 | splash in VP#2 |
| 7:03 AM | 1:03 PM | 5009 | 4.7 | -9.2 | 0.3 | -5.6 | -2.75 | 2.25 | -7.95 | 1.15 | 8 | 5 | 5 | 15 | |
| 7:23 AM | 1:23 PM | 5010 | 5.2 | -8.5 | 0.3 | -6 | -3.06 | 1.56 | -8.89 | -1.31 | 8 | 5 | 5 | 15 | |
| 7:36 AM | 1:36 PM | 5011 | 4.7 | -8 | 0.1 | -6.3 | -2.88 | 1.06 | -8.53 | -3.11 | 8 | 5 | 0 | 15 | |
| 7:54 AM | 1:54 PM | 5012 | 4 | -10.2 | 0.3 | -5.5 | -2.31 | 2.94 | -6.64 | 3.31 | 16 | 10 | 5 | 15 | |
| 8:28 AM | 2:28 PM | 5013 | 6 | -8.3 | 1 | -6.1 | -3.13 | 1.38 | -8.38 | -1.98 | 4 | 1 | 5 | 15 | |
| 9:10 AM | 3:10 PM | 5014 | 5 | -9.2 | 0.3 | -6.3 | -2.94 | 1.81 | -8.51 | -0.86 | 16 | 15 | 0 | 15 | |
| 9:23 AM | 3:23 PM | 5015 | 5.6 | -9.7 | -0.1 | -5.6 | -3.56 | 2.56 | -10.79 | 2.09 | 16 | 15 | 5 | 15 | |
| 9:37 AM | 3:37 PM | 5016 | 4.6 | -9.5 | 0.3 | -8.4 | -2.69 | 0.69 | -7.76 | -6.34 | 16 | 15 | 5 | 15 | dvt451 set to -10A Big Splash! |
| 9:58 AM | 3:58 PM | 5017 | 4.2 | -9.7 | 0.1 | -6.9 | -2.56 | 1.75 | -7.59 | -1.65 | 16 | 20 | 5 | 15 | |
| 11:54 AM | 5:54 PM | 5018 | 4.7 | -9.4 | 0.1 | -7.6 | -2.88 | 1.13 | -8.53 | -4.23 | 16 | 20 | 5 | 15 | |
| 12:13 PM | 6:13 PM | 5019 | 4.3 | -9.8 | 0.4 | -9.8 | -2.44 | 0.00 | -6.91 | -9.80 | 16 | 20 | 5 | 15 | Big Splash seen |
| 12:26 PM | 6:26 PM | 5020 | 4.6 | -9.4 | 0.4 | -8.2 | -2.63 | 0.75 | -7.48 | -5.95 | 16 | 20 | 10 | 15 | |
| 29-Oct | | | | | | | | | | | | | | | |

| comment | | Beam | Flag 1 | Flag1 | Flag2 | Flag2 | Angle | Angle | Window | Window | # bunches | beam intensity | Field | Jet | action comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | No | H | V | H | V | H | V | H | V | | TP | T | m/s | |
| 10:59 AM | 3:59 PM | 6001 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 | 0.00 | | | | | No Beam--Fire Alarm in CCC |
| 11:22 AM | 4:22 PM | 6002 | 4.8 | -10.1 | 0.7 | -6.9 | -2.56 | 2.00 | -2.04 | 5.56 | 16 | 4 | 0 | 15 | Beam received |
| 11:48 AM | 4:48 PM | 6003 | 5.7 | -9.1 | | | -3.56 | 5.69 | -2.23 | 3.55 | 16 | 10 | 5 | 15 | |
| 12:05 PM | 5:05 PM | 6004 | 5.2 | -10.5 | 0.8 | -7.26 | -2.75 | 2.03 | -2.22 | 5.80 | 16 | 10 | 5 | 15 | |
| 12:31 PM | 5:31 PM | 6005 | 5.3 | -9.3 | -0.1 | -7.7 | -3.38 | 1.00 | -10.23 | -4.70 | 16 | 10 | 5 | 15 | |
| 12:41 PM | 5:41 PM | 6006 | 4 | -10.2 | -1.7 | -7.4 | -3.56 | 1.75 | -12.39 | -2.15 | 16 | 10 | 5 | 15 | |
| 12:50 PM | 5:50 PM | 6007 | 2.7 | -10.3 | -4.4 | -6.5 | -4.44 | 2.38 | -17.71 | 0.63 | 16 | 10 | 5 | 15 | |
| 1:08 PM | 6:08 PM | 6008 | 1 | -9.9 | -5.2 | -8.2 | -3.88 | 1.06 | -16.83 | -5.01 | 16 | 10 | 5 | 15 | |
| 1:19 PM | 6:19 PM | 6009 | 6.2 | -9.8 | 2.4 | | -2.38 | 6.13 | -4.73 | 18.38 | 16 | 10 | 5 | 15 | |
| 1:28 PM | 6:28 PM | 6010 | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 16 | 10 | 5 | 15 | |
| 1:38 PM | 6:38 PM | 6011 | 8 | | 4.5 | -7.4 | -2.19 | -4.63 | -2.06 | -21.28 | 16 | 10 | 5 | No | |
| | 5:00 AM | 6012 | 6.6 | -9.2 | 1 | -7.2 | -3.50 | 1.25 | -9.50 | -3.45 | 1 | 9,25 | 0 | 0 | Tune of 6004 |
| | 5:00 AM | 6013 | 6.3 | -9 | 0.4 | -7.7 | -3.69 | 0.81 | -10.66 | -5.26 | 1 | 0 | 0 | 0 | Tune of 6005 |
| | 5:00 AM | 6014 | 4.8 | -9.1 | -1.8 | -7.4 | -4.13 | 1.06 | -14.18 | -4.21 | 1 | 0 | 0 | 0 | Tune of 6006 PD incomplete reshoot |
| 10:37 AM | 3:37 PM | 6015 | 4.8 | -9.1 | -1.8 | -7.4 | -4.13 | 1.06 | -14.18 | -4.21 | 1 | 0 | 0 | 0 | Tune of 6006 |
| 10:40 AM | 3:40 PM | 6016 | 3.3 | -9.4 | -3.7 | -7.6 | -4.38 | 1.13 | -16.83 | -4.23 | 1 | 0 | 0 | 0 | Tune of 6007 |
| 10:43 AM | 3:43 PM | 6017 | 2 | -9.2 | -4.8 | -7.6 | -4.25 | 1.00 | -17.55 | -4.60 | 1 | 0 | 0 | 0 | Tune of 6008 |
| 10:51 AM | 3:51 PM | 6018 | 7.6 | -9 | 2.9 | -7.4 | -2.94 | 1.00 | -5.91 | -4.40 | 1 | 0 | 0 | 0 | Tune of 6009 |
| 10:55 AM | 3:55 PM | 6019 | 9.4 | -8.6 | 5.3 | -7.4 | -2.56 | 0.75 | -2.39 | -5.15 | 1 | 0 | 0 | 0 | Tune 6010 |
| 11:27 AM | 4:27 PM | 6020 | -2.6 | -9.7 | -11.2 | -7.3 | -5.38 | 1.50 | -27.33 | -2.80 | 1 | 0 | 0 | 0 | Tune for left extreme |
| 11:37 AM | 4:37 PM | 6021 | -1.6 | -9.5 | -10.1 | -7.3 | -5.31 | 1.38 | -26.04 | -3.18 | 1 | 0 | 0 | 0 | Now fill in |
| 11:42 AM | 4:42 PM | 6022 | -0.3 | -9.5 | -8.4 | -7.4 | -5.06 | 1.31 | -23.59 | -3.46 | 1 | 0 | 0 | 0 | |
| 11:49 AM | 4:49 PM | 6023 | 0.6 | -9.5 | -6.5 | -7.4 | -4.44 | 1.31 | -19.81 | -3.46 | 1 | 0 | 0 | 0 | |
| 12:01 PM | 5:01 PM | 6024 | 4 | -9.7 | -1.9 | -7.6 | -3.69 | 1.31 | -12.96 | -3.66 | 16 | 4 | 0 | 15 | |
| 12:12 PM | 5:12 PM | 6025 | | | | | | | | | 16 | 4 | 0 | 15 | |
| 12:19 PM | 5:19 PM | 6026 | 4 | -9.9 | -2.2 | -7.6 | -3.88 | 1.44 | -13.83 | -3.29 | 16 | 4 | 0 | 15 | |
| 12:26 PM | 5:26 PM | 6027 | 4 | -9.9 | -2.2 | -7.6 | -3.88 | 1.44 | -13.83 | -3.29 | 16 | 4 | 0 | 15 | |
| 12:28 PM | 5:28 PM | 6028 | 4 | -9.9 | -2.2 | -7.6 | -3.88 | 1.44 | -13.83 | -3.29 | 16 | 4 | 5 | 15 | |
| 12:34 PM | 5:34 PM | 6029 | 4 | -9.9 | -2.2 | -7.6 | -3.88 | 1.44 | -13.83 | -3.29 | 16 | 4 | 5 | 15 | |
| 12:40 PM | 5:40 PM | 6030 | 4 | -9.9 | -2.2 | -7.6 | -3.88 | 1.44 | -13.83 | -3.29 | 16 | 4 | 10 | 15 | Target fillimentation obserevd |
| 12:45 PM | 12:45 PM | 6031 | 4 | -9.9 | -2.2 | -7.6 | -3.88 | 1.44 | -13.83 | -3.29 | 16 | 4 | 10 | 15 | Target fillimentation observed |
| 30-Oct | | | | | | | | | | | | | | | |
| 10:42 AM | 10:42 AM | 7001 | 3.7 | -9.5 | -2.8 | -7.4 | -4.06 | 1.31 | -14.99 | -3.46 | 16 | 4 | 0 | 0 | Warm up shot for the day |
| 10:52 AM | 10:52 AM | 7002 | 3.7 | -9.5 | -2.8 | -7.4 | -4.06 | 1.31 | -14.99 | -3.46 | 16 | 4 | 5 | 0 | 5T PD base Target empty |
| 11:00 AM | 11:00 AM | 7003 | 3.7 | -9.5 | -2.8 | -7.4 | -4.06 | 1.31 | -14.99 | -3.46 | 16 | 4 | 10 | 0 | 10T PD Base Target Empty |
| 11:15 AM | 11:15 AM | 7004 | 1.7 | -9.8 | -4.8 | -7.6 | -4.06 | 1.38 | -16.99 | -3.48 | 16 | 4 | 0 | 15 | 0T Hg In |
| 11:35 AM | 11:35 AM | 7005 | 1.7 | -9.8 | -4.8 | -7.6 | -4.06 | 1.38 | -16.99 | -3.48 | 16 | 4 | 0 | 15 | 0T Hg In (repeat 7004) |
| 11:43 AM | 11:43 AM | 7006 | 1.7 | -9.8 | -4.8 | -7.6 | -4.06 | 1.38 | -16.99 | -3.48 | 16 | 4 | 10 | 15 | 10T Hg In, 3mm shift left from 7003 |
| 12:29 PM | 12:29 PM | 7007 | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 16 | 4 | 0 | 0 | Extending horizontal scan. Images lost |
| 12:33 PM | 12:33 PM | 7008 | 5.3 | -9.1 | 0.1 | -7.6 | -3.25 | 0.94 | -9.65 | -4.79 | 16 | 4 | 0 | 0 | Repeat of 7007 |
| 12:39 PM | 12:39 PM | 7009 | 7.6 | -9.1 | 2.9 | -7.6 | -2.94 | 0.94 | -5.91 | -4.79 | 16 | 4 | 0 | 0 | |
| 12:42 PM | 12:42 PM | 7010 | 9.4 | -9.1 | 5.6 | -7.7 | -2.38 | 0.88 | -1.53 | -5.08 | 16 | 4 | 0 | 0 | |
| 12:51 PM | 12:51 PM | 7011 | 11.2 | -8.7 | 8 | -7.6 | -2.00 | 0.69 | 2.00 | -5.54 | 16 | 4 | 0 | 0 | |
| 12:56 PM | 12:56 PM | 7012 | 13 | -8.7 | 10.3 | -7.6 | -1.69 | 0.69 | 5.24 | -5.54 | 16 | 4 | 0 | 0 | |
| 1:01 PM | 1:01 PM | 7013 | 14.4 | -8.8 | 13 | -7.6 | -0.88 | 0.75 | 10.38 | -5.35 | 16 | 4 | 0 | 0 | |
| 1:10 PM | 1:10 PM | 7014 | 14.4 | -8.8 | 13 | -7.6 | -0.88 | 0.75 | 10.38 | -5.35 | 16 | 4 | 0 | 0 | |
| 1:11 PM | 1:11 PM | 7015 | 16.4 | -8.4 | 15.7 | -7.9 | -0.44 | 0.31 | 14.39 | -6.96 | 16 | 4 | 0 | 0 | End of extended horizontal scans |
| 1:35 PM | 1:35 PM | 7016 | 5.3 | -9.6 | 0.8 | | -2.81 | 6.00 | -7.64 | 18.00 | 16 | 4 | 10 | 15 | 10 T Hg In |
| 2:37 PM | 2:37 PM | 7017 | 5.3 | -9.7 | 0.1 | -7.6 | -3.25 | 1.31 | -9.65 | -3.66 | 16 | 4 | 10 | 0 | 10T Hg Out |
| 2:49 PM | 2:49 PM | 7018 | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 16 | 1 | 0 | 0 | Spot measurements,7017 setings |
| 2:51 PM | 2:51 PM | 7019 | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 16 | | 0 | 0 | Spot measurements |
| 2:54 PM | 2:54 PM | 7020 | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 16 | | 0 | 0 | Spot measurements |
| 4:02 PM | 4:02 PM | 7021 | 1.2 | -9.7 | -4.5 | -7.6 | -3.56 | 1.31 | -15.19 | -3.66 | 16 | 4 | 0 | 0 | 0T Hg Out, 7006? settings |
| 4:02 PM | 4:02 PM | 7022 | 4.7 | -9.6 | -0.6 | -7.9 | -3.31 | 1.06 | -10.54 | -4.71 | 16 | 4 | 0 | 0 | 0T Hg Out, 6013 settings |
| 4:13 PM | 4:13 PM | 7023 | 5 | -9.2 | -0.2 | -7.9 | -3.25 | 0.81 | -9.95 | -5.46 | 16 | 4 | 10 | 15 | 10T Hg In, 7022 settings |
| 4:22 PM | 4:22 PM | 7024 | 4.6 | -9.5 | -0.3 | -7.9 | -3.06 | 1.00 | -9.49 | -4.90 | 16 | 4 | 10 | 0 | 10T Hg Out, 7023 settings |
| 4:26 PM | 4:26 PM | 7025 | 1.2 | -9.7 | -4.8 | -7.4 | -3.75 | 1.44 | -16.05 | -3.09 | 16 | 4 | 10 | 0 | 10T Hg Out, 7021 settings |
| 31-Oct | | | | | | | | | | | | 89 | | | |
| 9:06 AM | 9:06 AM | 8001 | 9.6 | -9.5 | 6.3 | -7.7 | -2.06 | 1.13 | 0.11 | -4.33 | 16 | 4 | 0 | 0 | 0T Hg Out, 7010 settings (0 mm) |
| 9:15 AM | 9:15 AM | 8002 | 9.4 | -9.2 | 6.3 | -7.9 | -1.94 | 0.81 | 0.49 | -5.46 | 16 | 4 | 0 | 15 | 0T Hg In, 8001 (7010) settings (0 mm) |
| 9:23 AM | 9:23 AM | 8003 | 8.1 | -9.2 | 4.1 | -7.7 | -2.50 | 0.94 | -3.40 | -4.89 | 16 | 4 | 0 | 15 | 0T, Hg In, 7009 settings (-5 mm) |
| 9:27 AM | 9:27 AM | 8004 | 8.1 | -9.2 | 4.1 | -7.7 | -2.50 | 0.94 | -3.40 | -4.89 | 16 | 4 | 0 | 0 | 0T, Hg Out, 8003 (7009) settings (-5 mm) |
| 9:32 AM | 9:32 AM | 8005 | 5.5 | -9.4 | 0.7 | -7.1 | -3.00 | 1.44 | -8.30 | -2.79 | 16 | 4 | 0 | 15 | 0T Hg In, 6013 settings (-10 mm) |
| 9:35 AM | 9:35 AM | 8006 | 5.5 | -9.4 | 0.7 | -7.1 | -3.00 | 1.44 | -8.30 | -2.79 | 16 | 4 | 0 | 0 | 0T Hg Out, 8005 (6013) settings (-10 mm) |
| 9:45 AM | 9:45 AM | 8007 | 4.6 | -9.4 | -1.5 | -7.3 | -3.81 | 1.31 | -12.94 | -3.36 | 16 | 4 | 0 | 15 | 0T Hg In, 7001 settings (-15 mm) |
| 9:48 AM | 9:48 AM | 8008 | 4.6 | -9.4 | -1.5 | -7.3 | -3.81 | 1.31 | -12.94 | -3.36 | 16 | 4 | 0 | 0 | 0T Hg Out, 8007 (7001) settings (-15 mm) |
| 9:52 AM | 9:52 AM | 8009 | 4.6 | -9.4 | -1.5 | -7.3 | -3.81 | 1.31 | -12.94 | -3.36 | 16 | 4 | 0 | 15 | 0T Hg In, 8007 repeat (-15 mm) |
| 9:58 AM | 9:58 AM | 8010 | 4.6 | -9.4 | -1.5 | -7.3 | -3.81 | 1.31 | -12.94 | -3.36 | 16 | 4 | 0 | 15 | 0T Hg In, 8007 repeat (-15 mm) |
| 10:00 AM | 10:00 AM | 8011 | 4.6 | -9.4 | -1.5 | -7.3 | -3.81 | 1.31 | -12.94 | -3.36 | 16 | 4 | 0 | 0 | 0T Hg Out, 8008 repeat (-15) |
| 10:08 AM | 10:08 AM | 8012 | -0.4 | -9.2 | -5.8 | -7.6 | -3.38 | 1.00 | -15.93 | -4.60 | 16 | 4 | 0 | 15 | 0T Hg In, 6023 settings (-20 mm) |
| 10:11 AM | 10:11 AM | 8013 | -0.4 | -9.2 | -5.8 | -7.6 | -3.38 | 1.00 | -15.93 | -4.60 | 16 | 4 | 0 | 0 | 0T Hg Out, 8012 (6023) settings (-20 mm) |
| 10:15 AM | 10:15 AM | 8014 | -1.6 | -9.5 | -9 | -7.1 | -4.63 | 1.50 | -22.88 | -2.60 | 16 | 4 | 0 | 15 | 0T Hg In,  settings (-25 mm) |
| 10:19 AM | 10:19 AM | 8015 | -1.6 | -9.5 | -9 | -7.1 | -4.63 | 1.50 | -22.88 | -2.60 | 16 | 4 | 0 | 0 | 0T Hg Out, 8014 () settings (-25 mm) |
| 10:55 AM | 10:55 AM | 8016 | 4 | -9.2 | -1.2 | -7.9 | -3.25 | 0.81 | -10.95 | -5.46 | 16 | 4 | 5 | 15 | 5T Hg In, -15 mm |
| 11:00 AM | 11:00 AM | 8017 | 4 | -9.2 | -1.2 | -7.9 | -3.25 | 0.81 | -10.95 | -5.46 | 16 | 4 | 5 | 0 | 5T Hg Out, -15 mm |
| 11:04 AM | 11:04 AM | 8018 | 4 | -9.2 | -1.2 | -7.9 | -3.25 | 0.81 | -10.95 | -5.46 | 16 | 4 | 5 | 15 | 5T Hg In, -15 mm |
| 11:08 AM | 11:08 AM | 8019 | 4 | -9.2 | -1.2 | -7.9 | -3.25 | 0.81 | -10.95 | -5.46 | 16 | 4 | 5 | 0 | 5T Hg Out, -15 mm |
| 11:14 AM | 11:14 AM | 8020 | | | | | 0.00 | 0.00 | 0.00 | 0.00 | | 0 | 5 | 15 | 5T, Hg In, -15 mm **NO BEAM** |
| 11:31 AM | 11:31 AM | 8021 | 3.9 | -9.4 | -0.4 | -7.4 | -2.69 | 1.25 | -8.46 | -3.65 | 16 | 4 | 5 | 15 | 5T, Hg In, -15 mm |
| 11:36 AM | 11:36 AM | 8022 | 4.5 | -9.4 | -0.1 | -7.4 | -2.88 | 1.25 | -8.73 | -3.65 | 16 | 4 | 5 | 0 | 5T Hg Out, -15 mm |
| 12:12 PM | 12:12 PM | 8023 | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 1 | 0 | | | Calibration shots for particle detedtors |

| comment | | Beam No | Flag 1 H | Flag1 V | Flag2 H | Flag2 V | Angle H | Angle V | Window H | Window V | # bunches | beam intensity TP | Field T | Jet m/s | action comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12:15 PM | 12:15 PM | 8024 | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 1 | 0 | | | Calibration shots for particle detedtors |
| 12:18 PM | 12:18 PM | 8025 | 2.6 | -8.4 | -3 | -7.3 | -3.50 | 0.69 | -13.50 | -5.24 | 1 | 0 | | | Calibration shots for particle detedtors |
| 12:22 PM | 12:22 PM | 8026 | 3 | -9.4 | -2.8 | -7.1 | -3.63 | 1.44 | -13.68 | -2.79 | 2 | | | | |
| 12:25 PM | 12:25 PM | 8027 | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 2 | | | | |
| 12:27 PM | 12:27 PM | 8028 | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 2 | | | | |
| 1:02 PM | 1:02 PM | 8028A | 4.5 | -9.8 | -0.6 | -7.6 | -3.19 | 1.38 | -10.16 | -3.48 | | | | | |
| 1:05 PM | 1:05 PM | 8028B | 4.3 | -9.7 | -0.5 | -7.6 | -3.00 | 1.31 | -9.50 | -3.66 | | | | | |
| 1:22 PM | 1:22 PM | 8029 | 2.6 | -9.5 | -2.9 | -7.3 | -3.44 | 1.38 | -13.21 | -3.18 | 16 | 4 | 7 | 15 | 7T Hg In, Lost trigger for optics. Beam at ~-15 mm |
| 1:28 PM | 1:28 PM | 8030 | 2.6 | -9.4 | -3.2 | -7.3 | -3.63 | 1.31 | -14.08 | -3.36 | 16 | 4 | 7 | 15 | 7T Hg In. Beam at ~-15 mm |
| 1:32 PM | 1:32 PM | 8031 | 2.6 | -9.4 | -2.8 | -7.1 | -3.38 | 1.44 | -12.93 | -2.79 | 16 | 4 | 7 | 0 | 7T Hg Out. Beam at ~-15 mm |
| 1:37 PM | 1:37 PM | 8032 | 2.5 | -9.4 | -2.9 | -7.6 | -3.38 | 1.13 | -13.03 | -4.23 | 16 | 4 | 7 | 15 | 7T Hg In. Beam at ~-15 mm |
| 1:40 PM | 1:40 PM | 8033 | 2.5 | -9.5 | -3.2 | -7.4 | -3.56 | 1.31 | -13.89 | -3.46 | 16 | 4 | 7 | 0 | 7T Hg Out. Beam at ~-15 mm |
| 2:25 PM | 2:25 PM | 8034 | | | | | | | | | 12+4 | 15+5 | 7 | 15 | 7T Hg In. Beam at ~-15 mm. dT = 2.23 mus |
| 2:34 PM | 2:34 PM | 8035 | 1 | -9.8 | -3.3 | -7.4 | -2.69 | 1.50 | -11.36 | -2.90 | 12+4 | 15+5 | 7 | 15 | 7T Hg In. Beam at ~-15 mm. dT = 2.23 mus |
| 2:52 PM | 2:52 PM | 8036 | 0.4 | NA | -3 | -7.6 | -2.13 | | -9.38 | | 12+4 | 15+5 | 0 | 0 | 0T Hg Out. Beam at ~-15 mm. dT = 697 mus |
| 2:57 PM | 2:57 PM | 8037 | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 12+4 | 15+5 | 7 | 15 | 7T Hg In. Beam at ~-15 mm. dT = 697 mus |
| 3:01 PM | 3:01 PM | 8038 | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0 | 0 | 7 | 0 | 7T Hg Out. Beam at ~-15 mm. **No beam** |
| 3:06 PM | 3:06 PM | 8039 | | | | | 0.00 | 0.00 | 0.00 | 0.00 | | | 0 | 0 | 0T, Hg Out. Probe only |
| 3:16 PM | 3:16 PM | 8040 | | | | | 0.00 | 0.00 | 0.00 | 0.00 | | | 0 | 0 | 0T Hg Out. Pump only |
| 3:58 PM | 3:58 PM | 8041 | 0.7 | -9.4 | -3.7 | -7.4 | -2.75 | 1.25 | -11.95 | -3.65 | 12+4 | 15+5 | 7 | 15 | 7T Hg In. Beam at ~-15 mm (as 8048). dT = 697 mus |
| 4:02 PM | 4:02 PM | 8042 | 0.7 | -9.4 | -3.7 | -7.4 | -2.75 | 1.25 | -11.95 | -3.65 | 12+4 | 15+5 | 7 | 0 | 7T Hg Out. Beam at ~-15 mm (as 8048) dT = 697 mus |
| 4:07 PM | 4:07 PM | 8043 | 0.7 | -9.4 | -3.7 | -7.4 | -2.75 | 1.25 | -11.95 | -3.65 | 12+4 | 15+5 | 7 | 0 | 7T Hg Out. Beam at ~-15 mm (as 8048). dT = 2.23 mus |
| 4:27 PM | 4:27 PM | 8044 | 0.7 | -9.4 | -3.7 | -7.4 | -2.75 | 1.25 | -11.95 | -3.65 | 12+4 | 15+5 | 7 | 15 | 7T Hg In. Beam at ~-15 mm. dT = 40 mus |
| 5:21 PM | 5:21 PM | 8045 | | | | | | | | | 12+4 | 15+5 | 7 | 15 | 7T Hg In. Beam misaligned. dT = 40 mus |
| 5:26 PM | 5:26 PM | 8046 | ? | ? | | -3.8 | -7.6 | | | | 12+4 | 15+5 | 0 | 0 | 0T Hg Out. Beam at ~-15 mm. dT = 40 mus |
| 5:32 PM | 5:32 PM | 8047 | ? | ? | | -3.5 | -7.6 | | | | 12+4 | 15+5 | 7 | 0 | 7T Hg Out. Beam at ~-15 mm. dT = 40 mus. Lost secondary counter pc. |
| 2-Nov | | | | | | | | | | | | | | | |
| 9:10 AM | 9:10 AM | 9001 | 2.15 | -8.54 | -4.4 | -6.9 | -4.09 | 1.03 | -16.68 | -3.83 | 1 | 0 | 0 | 0 | No Field No Target |
| 9:46 AM | 9:46 AM | 9002 | 3.3 | -8.4 | -3.2 | -6.8 | -4.06 | 1.00 | -15.39 | -3.80 | 1 | 0 | 0 | 0 | No Field No Target |
| 10:22 AM | 10:22 AM | 9003 | 3.7 | -8.4 | -2.2 | -6.8 | -3.69 | 1.00 | -13.26 | -3.80 | 1 | 0 | 5 | 15 | Test All systems with Low Intensity |
| 10:36 AM | 10:36 AM | 9004 | 2.6 | -9.1 | -2.7 | -6.8 | -3.31 | 1.44 | -12.64 | -2.49 | 16 | 4 | 5 | 15 | No Splash observed |
| 10:51 AM | 10:51 AM | 9005 | 2.2 | -8.8 | -3.9 | -6.8 | -3.81 | 1.25 | -15.34 | -3.05 | 16 | 4 | 5 | 15 | Beam Tune of 9002 |
| 11:04 AM | 11:04 AM | 9006 | 1.9 | -8.7 | -4.1 | -6.6 | -3.75 | 1.31 | -15.35 | -2.66 | 16 | 4 | 5 | 15 | Attempt to raise beam vertically |
| | | 9007 | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 16 | 0 | 5 | 15 | No beam Inhibit on |
| 2:54 PM | 2:54 PM | 9008 | 2 | -8.4 | -3.7 | -5.8 | -3.56 | 1.63 | -14.39 | -0.92 | 16 | 4 | 5 | 15 | Splashes seen in V2 at 500 us |
| 3:04 PM | 3:04 PM | 9009 | 2.5 | -8.4 | -4.3 | -5.8 | -4.25 | 1.63 | -17.05 | -0.92 | 12 | 3 | 5 | 15 | Splash seen in V2 |
| 3:18 PM | 3:18 PM | 9010 | 2.5 | -8.8 | -4.1 | -6.6 | -4.13 | 1.38 | -16.48 | -2.48 | 8 | 2 | 5 | 15 | Splash ? Now try 2.5TP |
| 3:28 PM | 3:28 PM | 9011 | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 10 | 3 | 5 | 15 | Beam was swept - redo |
| 3:34 PM | 3:34 PM | 9012 | 2.2 | -8.7 | -3.7 | -6.3 | -3.69 | 1.50 | -14.76 | -1.80 | 10 | 3 | 5 | 15 | No Splash observed |
| 3:44 PM | 3:44 PM | 9013 | | | | | 0.00 | 0.00 | 0.00 | 0.00 | 12 | 3 | 5 | 15 | Quad problem - redo |
| 3:49 PM | 3:49 PM | 9014 | 1.7 | -9 | -4.1 | -6.3 | -3.63 | 1.69 | -14.98 | -1.24 | 12 | 3 | 5 | 15 | Splash seen in V2 |
| 4:40 PM | 4:40 PM | 9015 | 2.2 | -8.4 | -4.4 | | -4.13 | 5.25 | -16.78 | 15.75 | 16 | 6 | 7 | 15 | Splash seen in V2 |
| 4:51 PM | 4:51 PM | 9016 | 1.9 | -8.7 | -3.9 | -6.3 | -3.63 | 1.50 | -14.78 | -1.80 | 16 | 4 | 7 | 15 | Splash in V2 |
| 5:09 PM | 5:09 PM | 9017 | 2.5 | -8.8 | -3.7 | -6.7 | -3.88 | 1.31 | -15.33 | -2.76 | 12 | 3 | 7 | 15 | No Splash observed |
| 5:13 PM | 5:13 PM | 9018 | 4.3 | -8.5 | -2.3 | -6.4 | -4.13 | 1.31 | -14.68 | -2.46 | 12 | 4 | 7 | 15 | Booster failure |
| 5:18 PM | 5:18 PM | 9019 | 2 | -8.9 | -3.8 | -6.45 | -3.63 | 1.53 | -14.68 | -1.86 | 12 | 4 | 7 | 15 | Splash observed in V3 |
| 5:36 PM | 5:36 PM | 9020 | 2.1 | -9.3 | -3.7 | -6.7 | -3.63 | 1.63 | -14.58 | -1.83 | 12 | 5 | 10 | 15 | Large Splash observed in V3 |
| 3-Nov | | | | | | | | | | | | | | | |
| 9:30 AM | 9:30 AM | 10001 | | | -4.1 | -7.3 | -2.56 | -4.56 | -11.79 | -20.99 | 16 | 4 | 0 | 15 | Warm up shot for the day |
| 9:41 AM | 9:41 AM | 10002 | 1.3 | -9.2 | -4.1 | -7.1 | -3.38 | 1.31 | -14.23 | -3.16 | 16 | 4 | 0 | 15 | Beam position is good |
| 9:52 AM | 9:52 AM | 10003 | 1.5 | -9 | -4.1 | -6.8 | -3.50 | 1.38 | -14.60 | -2.68 | 16 | 4 | 0 | 15 | Splash not seen |
| 10:00 AM | 10:00 AM | 10004 | 1.7 | -8.8 | -4.3 | -7 | -3.75 | 1.13 | -15.55 | -3.63 | 16 | 4 | 5 | 15 | Splash seen in V3 t=6ms |
| 10:14 AM | 10:14 AM | 10005 | 2 | -8.7 | -3.6 | | -3.50 | | -14.10 | | 16 | 4 | 5 | 15 | Spash seen in V2 |
| 10:28 AM | 10:28 AM | 10006 | 1.9 | -8.7 | -4 | -6 | -3.69 | 1.69 | -15.06 | -0.94 | 16 | 4 | 10 | 15 | |
| 10:37 AM | 10:37 AM | 10007 | 1 | | -4.1 | -6.5 | -3.19 | | -13.66 | | 16 | 10 | 5 | 15 | Splash seen in V2 and V3 |
| 10:52 AM | 10:52 AM | 10008 | 1 | -8.7 | -4.3 | -6.3 | -3.31 | 1.50 | -14.24 | -1.80 | 16 | 15 | 5 | 15 | |
| 11:52 PM | 11:52 PM | 10009 | 0.2 | -9.7 | -5 | -6.6 | -3.25 | 1.94 | -14.75 | -0.79 | 4 | 6 | 5 | 15 | Spash seen in V2 only 1/2 SMD Frame |
| 12:11 PM | 12:11 PM | 10010 | 0.5 | -9.4 | -5.1 | -6.8 | -3.50 | 1.63 | -15.60 | -1.93 | 2+2 | 6 | 5 | 15 | 1.7 us separation |
| 12:26 PM | 12:26 PM | 10011 | 0.6 | -9.2 | -5.1 | -6.8 | -3.56 | 1.50 | -15.79 | -2.30 | 2+2 | 6 | 5 | 15 | Repeat of 10010 |
| 12:47 PM | 12:47 PM | 10012 | 0.6 | -9.2 | -5.1 | -6.8 | -3.56 | 1.50 | -15.79 | -2.30 | 4 | 6 | 5 | 15 | Repeat of 10009 |
| 1:02 PM | 1:02 PM | 10013 | 0.5 | -9.5 | -5 | -6.8 | 0.54 | 1.69 | -3.37 | -1.74 | 4 | 6 | 5 | 15 | Another Repeat of 10009 |
| 1:04 PM | 1:04 PM | 10014 | 0 | -9.2 | -5.2 | -6.3 | -3.25 | 1.81 | -14.95 | -0.86 | 4 | 6 | 5 | 15 | Repeat of 10009 with Target Out |
| 1:05 PM | 1:05 PM | 10015 | 0.4 | -9.2 | -5.2 | -6.3 | 0.00 | 1.81 | -5.20 | -0.86 | 2+2 | 6 | 5 | 15 | Target In |
| 1:17 PM | 1:17 PM | 10016 | 0.2 | -9.1 | -5.1 | -6.1 | -3.31 | 1.88 | -15.04 | -0.48 | 8 | 6 | 5 | 15 | Target In 1/2 SMD Frame |
| 1:25 PM | 1:25 PM | 10017 | 0.3 | -9.2 | -5.2 | -6.5 | -3.44 | 1.69 | -15.51 | -1.44 | 8 | 6 | 5 | 15 | Target Out Full SMD frame |
| 1:36 PM | 1:36 PM | 10018 | 0.3 | -9.1 | -5.2 | -6.6 | -3.44 | 1.56 | -15.51 | -1.91 | 4+4 | 6 | 5 | 15 | Target In Full SMD Frame |
| 1:43 PM | 1:43 PM | 10019 | 0.3 | -9.4 | -5.2 | -6.5 | -3.44 | 1.81 | -15.51 | -1.06 | 4+4 | 6 | 5 | 15 | Target Out Full SMD frame |
| 5-Nov | | | | | | | | | | | | | | | |
| 9:59 AM | 9:59 AM | 11001 | 0.6 | -9 | -5.4 | -6.8 | -3.75 | 1.38 | -16.65 | -2.68 | 4 | 1 | 0 | 15 | Warm up shot for the da0.6y-9 |
| 10:11 AM | 10:11 AM | 11002 | 1.2 | -9.4 | -5.1 | -6.8 | -3.94 | 1.63 | -16.91 | -1.93 | 16 | 6 | 5 | 15 | Target In Full SMD Images |
| 10:16 AM | 10:16 AM | 11003 | -0.1 | -9.5 | -5.4 | -6.6 | -3.31 | 1.81 | -15.34 | -1.16 | 16 | 6 | 5 | 0 | Target Out |

| comment | | Beam No | Flag 1 H | Flag1 V | Flag2 H | Flag2 V | Angle H | Angle V | Window H | Window V | # bunches | beam intensity TP | Field T | Jet m/s | action comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10:28 AM | 10:28 AM | 11004 | 1 | -9.1 | -4.4 | -6.8 | -3.38 | 1.44 | -14.53 | -2.49 | 4 | 6 | 5 | 15 | Nice splash in V2 |
| 10:34 AM | 10:34 AM | 11005 | 0.7 | -9.4 | -4.4 | -6.8 | -3.19 | 1.63 | -13.96 | -1.93 | 4 | 6 | 5 | 15 | |
| 10:40 AM | 10:40 AM | 11006 | 0.6 | -9.4 | -4.8 | -6.9 | -3.38 | 1.56 | -14.93 | -2.21 | 4 | 6 | 5 | 15 | |
| 10:50 AM | 10:50 AM | 11007 | 0.6 | -9 | -4.7 | -6.6 | -3.31 | 1.50 | -14.64 | -2.10 | 4 | 6 | 5 | 15 | Splash observed |
| 10:56 AM | 10:56 AM | 11008 | 0.7 | -9.2 | -4.7 | -6.2 | -3.38 | 1.88 | -14.83 | -0.58 | 4 | 6 | 5 | 15 | |
| 11:04 AM | 11:04 AM | 11009 | 0.9 | -8.6 | | | | | | | 4 | 6 | 0 | 15 | Target Out; Beam Trigger out of sync |
| 11:10 AM | 11:10 AM | 11010 | 0.6 | -9.1 | -4.8 | -6.8 | -3.38 | 1.44 | -14.93 | -2.49 | 4 | 6 | 5 | 15 | Target In In sync Splash seen |
| | | 11011 | 0.5 | -8.5 | -4.5 | -7.75 | -3.13 | 0.47 | -13.88 | -6.34 | | 6 | 0 | 0 | |
| | | 11012 | 0.7 | -8.5 | -4.2 | -6.6 | -3.06 | 1.19 | -13.39 | -3.04 | | 6 | 0 | 0 | |
| | | 11013 | 1.5 | -8.6 | -4.2 | -6.6 | -3.56 | 1.25 | -14.89 | -2.85 | | 6 | 0 | 0 | |
| | | 11014 | 0.75 | -8.6 | -4.4 | -6.6 | -3.22 | 1.25 | -14.06 | -2.85 | | 6 | 0 | 0 | |
| | | 11015 | 0.75 | -8.6 | -4.4 | -6.6 | -3.22 | 1.25 | -14.06 | -2.85 | | 6 | 0 | 0 | |
| | | 11016 | | | | | | | | | | 6 | 0 | 0 | |
| | | 11017 | 1.4 | -3.3 | -3.8 | -1.77 | -3.25 | 0.96 | -13.55 | 1.10 | | 6 | 0 | 0 | |
| 12:40 PM | 12:40 PM | 11018 | 0.7 | -9.2 | -5.2 | -6.6 | -3.69 | 1.63 | -16.26 | -1.73 | 4 | 6 | 5 | 0 | Target out |
| 12:47 PM | 12:47 PM | 11019 | -0.3 | -9 | -5 | | -2.94 | | -13.81 | | 16 | 10 | 10 | 15 | |
| 12:58 PM | 12:58 PM | 11020 | 1 | -9 | -5 | -6.6 | -3.75 | 1.50 | -16.25 | -2.10 | 16 | 4 | 10 | 15 | No splash observed in V2 or V3 |
| 2:42 PM | 2:42 PM | 11021 | 1.4 | -8.8 | -4.7 | -6.3 | -3.81 | 1.56 | -16.14 | -1.61 | 16 | 4 | 10 | 15 | Splash observed in V2 |
| 2:52 PM | 2:52 PM | 11022 | -0.3 | | -4.5 | -6.1 | -2.63 | | -12.38 | | 16 | 15 | 10 | 15 | PD Linearity Study |
| 3:13 PM | 3:13 PM | 11023 | | | | | | | | | 1 | 0 | 0 | 0 | |
| 3:17 PM | 3:17 PM | 11024 | | | | | | | | | 1 | 0 | 0 | 0 | |
| 3:24 PM | 3:24 PM | 11025 | | | | | | | | | 2 | 1 | 0 | 0 | |
| 3:29 PM | 3:29 PM | 11026 | | | | | | | | | 2 | 1 | 0 | 0 | |
| 3:32 PM | 3:32 PM | 11027 | | | | | | | | | 3 | 1 | 0 | 0 | |
| 3:33 PM | 3:33 PM | 11028 | | | | | | | | | 3 | 1 | 0 | 0 | |
| 3:41 PM | 3:41 PM | 11029 | | | | | | | | | 5 | 1 | 0 | 0 | |
| 3:42 PM | 3:42 PM | 11030 | | | | | | | | | 7 | 2 | 0 | 0 | |
| 3:50 PM | 3:50 PM | 11031 | | | | | | | | | 8 | 2 | 0 | 0 | |
| 4:57 PM | 4:57 PM | 11032 | -0.3 | -9.8 | -3.5 | | -2.00 | | 0.94 | | 16 | 20 | 10 | 15 | |
| 5:16 PM | 5:16 PM | 11033 | 0.5 | -9.5 | -5.2 | -6.1 | -3.56 | 2.13 | -15.89 | 0.28 | 16 | 30 | 10 | 15 | |
| 6:17 PM | 6:17 PM | 11034 | | | | | | | | | 16 | 30 | 15 | 15 | Hg Explostion initiates before V2 |
| 6-Nov | | | | | | | | | | | | | | | |
| 10:34 AM | 10:34 AM | 12001 | 1 | -9 | -5 | -6.5 | -3.75 | 1.56 | -16.25 | -1.81 | 4 | 5 | 0 | 15 | Hit seen in V2 |
| 10:44 AM | 10:44 AM | 12002 | | | | | | | | | | | | | No beam from PS |
| 10:54 AM | 10:54 AM | 12003 | 0.6 | -8.5 | -4.8 | -5.8 | -3.38 | 1.69 | -14.93 | -0.74 | 4 | 5 | 0 | 15 | |
| 11:08 AM | 11:08 AM | 12004 | 0.9 | -8 | -4.7 | -5.5 | -3.50 | 1.56 | -15.20 | -0.81 | 4 | 5 | 0 | 15 | |
| 11:39 AM | 11:39 AM | 12005 | 0.1 | | -4.8 | -5.7 | -3.06 | | -13.99 | | 4 | 5 | 0 | 15 | |
| 11:39 AM | 11:39 AM | 12006 | 1.1 | -7 | -4.8 | -3.2 | -3.69 | 2.38 | -15.86 | 3.93 | 4 | 4 | 0 | 15 | |
| 11:55 AM | 11:55 AM | 12007 | | | | | | | | | | | | | No PS Beam |
| 12:03 PM | 12:03 PM | 12008 | 5.2 | -6.5 | -1.2 | -2.1 | -4.00 | 2.75 | -13.20 | 6.15 | 4 | 4 | 0 | 15 | Full Hit in V1 |
| 12:13 PM | 12:13 PM | 12009 | 0.9 | -6.8 | -5.1 | -2 | -3.75 | 3.00 | -16.35 | 7.00 | 4 | 4 | 5 | | Start Horzontal Scan Target Out |
| 12:42 PM | 12:42 PM | 12010 | 0.8 | -6.7 | | | | | | | 4 | 4 | 5 | 15 | Target In No flag 2 Info |
| 12:50 PM | 12:50 PM | 12011 | 1.1 | -6.3 | -5.2 | -1.6 | -3.94 | 2.94 | -17.01 | 7.21 | 4 | 4 | 5 | 15 | Target In Repeat of 12010 |
| 2:02 PM | 2:02 PM | 12012 | 6.2 | -6.9 | -1.9 | -1 | -5.06 | 3.69 | -17.09 | 10.06 | 4 | 4 | 5 | 15 | Target In |
| 2:08 PM | 2:08 PM | 12013 | 6.4 | -6.3 | -1.6 | -1 | -5.00 | 3.31 | -16.60 | 8.94 | 4 | 4 | 5 | 0 | Target Out |
| 2:34 PM | 2:34 PM | 12014 | 6 | -5.7 | -2.2 | -1.7 | -5.13 | 2.50 | -17.58 | 5.80 | 4 | 4 | 0 | 0 | Target Out |
| 2:43 PM | 2:43 PM | 12015 | 5.8 | -5.9 | -2 | -1.6 | -4.88 | 2.69 | -16.63 | 6.46 | 4 | 4 | 5 | 15 | Target In |
| 2:48 PM | 2:48 PM | 12016 | 5.9 | -6.2 | | | | | | | 4 | 4 | 5 | 0 | Target Out |
| 3:09 PM | 3:09 PM | 12017 | 6.2 | -5.9 | -2.3 | -1.77 | -5.31 | 2.58 | -18.24 | 5.97 | 1 | 0 | 0 | 0 | |
| 3:14 PM | 3:14 PM | 12018 | | | | | | | | | | | | | No PS Beam |
| 3:23 PM | 3:23 PM | 12019 | 5.3 | -6.3 | -3.7 | -1.6 | -5.63 | 2.94 | -20.58 | 7.21 | 1 | 0 | 0 | 0 | |
| 3:43 PM | 3:43 PM | 12020 | 4.7 | -6.2 | -5.9 | -1.6 | -6.63 | 2.88 | -25.78 | 7.03 | 1 | 0 | 0 | 0 | |
| 3:50 PM | 3:50 PM | 12021 | 3.4 | -6.3 | -6.6 | -1.631 | -6.25 | 2.92 | -25.35 | 7.12 | 1 | 0 | 0 | 0 | |
| 3:57 PM | 3:57 PM | 12022 | 3.8 | -6.3 | -6.6 | -1.4 | -6.50 | 3.06 | -26.10 | 7.79 | 1 | 0 | 0 | 0 | |
| 3:58 PM | 3:58 PM | 12023 | 2.59 | -6.3 | -7.7 | -1.3 | -6.43 | 3.13 | -26.99 | 8.08 | 1 | 0 | 0 | 0 | |
| 4:00 PM | 4:00 PM | 12024 | 0.4 | -5.9 | -10.3 | -1.4 | -6.69 | 2.81 | -30.36 | 7.04 | 1 | 0 | 0 | 0 | |
| 4:03 PM | 4:03 PM | 12025 | -0.5 | -6.48 | -11.4 | -1.4 | -6.81 | 3.18 | -31.84 | 8.13 | 1 | 0 | 0 | 0 | |
| 5:09 PM | 5:09 PM | 12026 | | | | | | | | | 8 | 2 | 0 | 0 | |
| 5:14 PM | 5:14 PM | 12027 | 1.4 | -6.9 | -4 | -1.9 | -3.38 | 3.13 | -14.13 | 7.48 | 6 | 2 | 0 | 0 | |
| 5:27 PM | 5:27 PM | 12027 | 1.4 | -8.5 | -4.9 | -6.6 | -3.94 | 1.19 | -16.71 | -3.04 | 6 | 2 | 0 | 0 | |
| 5:28 PM | 5:28 PM | 12028 | 1.4 | -8.5 | -4.9 | -6.6 | -3.94 | 1.19 | -16.71 | -3.04 | | 2 | 0 | 0 | |
| 5:56 PM | 5:56 PM | 12029 | | | | | | | | | 8 | 15 | 15 | 15 | Harmonic 8 |
| 6:32 PM | 6:32 PM | 12030 | 0.3 | -8.8 | -4.5 | -6.3 | -3.00 | 1.56 | -13.50 | -1.61 | | 2 | 0 | 0 | |
| 7:07 PM | 7:07 PM | 12031 | -0.3 | -8.8 | -5.4 | -6 | -3.19 | 1.75 | -14.96 | -0.75 | 8 | 10 | 0 | 15 | Haromoic 16 |
| 7:20 PM | 7:20 PM | 12032 | 0.1 | -8.8 | -5.2 | -6 | -3.31 | 1.75 | -15.14 | -0.75 | 8 | 10 | 15 | 15 | Harmonic 16 |
| 8:24 PM | 8:24 PM | 12033 | -6 | -6.3 | | | | | | | 16 | 30 | 15 | 20 | Haromonic 16 |
| 7-Nov | 12:00 AM | | | | | | | | | | | | | | |
| 12:24 PM | 12:24 PM | 13001 | 3.5 | -9.2 | -0.5 | -7.4 | -2.50 | 1.13 | -8.00 | -4.03 | 2 | 3 | 0 | 15 | Haromonic 8 |
| 12:39 PM | 12:39 PM | 13002 | 1.2 | -10.5 | -3.3 | -9.8 | -2.81 | 0.44 | -11.74 | -8.49 | 4 | 5 | 0 | 15 | No Splash |
| 12:48 PM | 12:48 PM | 13003 | 0.8 | -8.1 | -4.1 | -5.6 | -3.06 | 1.56 | -13.29 | -0.91 | 4 | 5 | 0 | 15 | No Splash |
| 1:05 PM | 1:05 PM | 13004 | 2 | -9 | -3.4 | -4.5 | -3.38 | 2.81 | -13.53 | 3.94 | 4 | 8 | 0 | 15 | Hit seen in V1 |
| 1:11 PM | 1:11 PM | 13005 | 0.7 | -8.5 | -3.4 | -4 | -2.56 | 2.81 | -11.09 | 4.44 | 4 | 8 | 0 | 0 | Target Empty |
| 1:22 PM | 1:22 PM | 13006 | 0.2 | -8.6 | -3 | -4 | -2.00 | 2.88 | -9.00 | 4.63 | 6+2 | 16 | 0 | 0 | Target Empty |
| 1:30 PM | 1:30 PM | 13007 | 0.8 | -8.7 | -3 | -4.2 | -2.38 | 2.81 | -10.13 | 4.24 | 6+2 | 16 | 5 | 15 | First of Pump/Probe 700us delay |
| 1:40 PM | 1:40 PM | 13008 | 0.3 | -8.8 | -3.3 | -4.3 | -2.25 | 2.81 | -10.05 | 4.14 | 6+2 | 16 | 5 | 15 | |
| 1:47 PM | 1:47 PM | 13009 | | | | | | | | | 6+2 | 16 | 5 | 15 | |
| 1:53 PM | 1:53 PM | 13010 | | | | | | | | | 6+2 | 16 | 5 | 15 | |
| 2:06 PM | 2:06 PM | 13011 | | | | | | | | | 6+2 | 16 | 5 | 15 | |
| 2:10 PM | 2:10 PM | 13012 | | | | | | | | | 6+2 | 16 | 5 | 0 | Target Empty |
| 2:13 PM | 2:13 PM | 13013 | 0.9 | -8.7 | -3.1 | -3.5 | -2.50 | 3.25 | -10.60 | 6.25 | 6+2 | 16 | 5 | 15 | |
| 2:17 PM | 2:17 PM | 13014 | 0.7 | -8.8 | -3 | -3.5 | -2.31 | 3.31 | -9.94 | 6.44 | 6+2 | 16 | 5 | 0 | Target Empty |
| | | test | 0.1 | -7.6 | -5.1 | -4 | -3.25 | 2.25 | -14.85 | 2.75 | | | | | |
| 3:40 PM | 3:40 PM | 13015 | -0.3 | -8 | -4.7 | -3.7 | -2.75 | 2.69 | -12.95 | 4.36 | 6+2 | 16 | 5 | 15 | Signal/Background test |
| 3:44 PM | 3:44 PM | 13016 | -0.1 | | -4.7 | | -2.88 | | -13.33 | | 6+2 | 16 | 5 | 0 | Target Out |
| | | test c | 0.2 | -7.9 | -5.2 | -3.7 | -3.38 | 2.63 | -15.33 | 4.18 | | | | | |

| comment | | Beam No | Flag 1 H | Flag1 V | Flag2 H | Flag2 V | Angle H | Angle V | Window H | Window V | # bunches | beam intensity TP | Field T | Jet m/s | action comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | test e | 0.2 | -11 | -4.8 | -9.4 | -3.13 | 1.00 | -14.18 | -6.40 | | | | | |
| 8-Nov | | | | | | | | | | | | | | | |
| 9:39 AM | 9:39 AM | 14001 | -0.3 | -10.2 | -4.8 | -9.5 | -2.81 | 0.44 | -13.24 | -8.19 | 6 | 6 | 0 | 0 | Haromonic 8 Warm up |
| 10:03 AM | 10:03 AM | 14002 | 0.4 | -8.8 | -4.9 | -6.5 | -3.31 | 1.44 | -14.84 | -2.19 | 6 | 6 | 0 | 0 | |
| | | 14003 | | | | | | | | | | | | | Shots to test background |
| | | 14004 | | | | | | | | | | | | | |
| | | 14005 | | | | | | | | | | | | | |
| | | 14006 | | | | | | | | | | | | | |
| | | 14007 | | | | | | | | | | | | | End of background test |
| 12:20 PM | 12:20 PM | 14008 | 0.2 | -9.2 | -4.7 | -6.3 | -3.06 | 1.81 | -13.89 | -0.86 | 6 | 6 | 5 | 15 | |
| 12:37 PM | 12:37 PM | 14009 | -0.3 | -8.4 | -4.6 | -5.6 | -2.69 | 1.75 | -12.66 | -0.35 | 6 | 6 | 5 | 15 | |
| 12:47 PM | 12:47 PM | 14010 | -0.1 | -8.6 | -5.2 | -6.1 | -3.19 | 1.56 | -14.76 | -1.41 | 6 | 6 | 5 | 15 | |
| 1:09 PM | 1:09 PM | 14011 | 0 | -9 | -5.4 | -6.1 | -3.38 | 1.81 | -15.53 | -0.66 | 6 | 10 | 5 | 15 | Target in |
| 1:32 PM | 1:32 PM | 14012 | 0 | -9.2 | -5.1 | -6 | -3.19 | 2.00 | -14.66 | 0.00 | 6 | 10 | 5 | 0 | Target out |
| 1:50 PM | 1:50 PM | 14013 | 2.9 | -10.1 | -1 | -7.7 | -2.44 | 1.50 | -8.31 | -3.20 | 6 | 10 | 5 | 0 | Target out |
| 2:02 PM | 2:02 PM | 14014 | 2.6 | -9.8 | -0.7 | -7.7 | -2.06 | 1.31 | -6.89 | -3.76 | 6 | 10 | 5 | 15 | Target In |
| 2:43 PM | 2:43 PM | test g | 3 | -9.9 | -1.1 | -7.7 | -2.56 | 1.38 | -8.79 | -3.58 | 6 | 10 | 0 | 0 | |
| 2:47 PM | 2:47 PM | test h | 0.9 | -9.3 | -4 | -7.4 | -3.06 | 1.19 | -13.19 | -3.84 | 6 | 10 | 0 | 0 | |
| 2:53 PM | 2:53 PM | 14015 | 0.4 | -9.7 | -4.4 | -7.9 | -3.00 | 1.13 | -13.40 | -4.53 | 6 | 10 | 5 | 15 | Target in |
| 3:04 PM | 3:04 PM | 14016 | 0.6 | -9.7 | -3.9 | -7.4 | -2.81 | 1.44 | -12.34 | -3.09 | 6 | 10 | 5 | 0 | Target out |
| 3:57 PM | 3:57 PM | 14017 | 0.9 | -9.7 | -4.1 | -7.3 | -3.13 | 1.50 | -13.48 | -2.80 | 6+2 | 16 | 5 | 15 | Pump/Probe 700us delay |
| 4:01 PM | 4:01 PM | 14018 | 0.6 | -9.7 | -3.9 | -7.4 | -2.81 | 1.44 | -12.34 | -3.09 | 6_2 | 16 | 5 | 15 | |
| 4:07 PM | 4:07 PM | 14019 | 0.7 | -9.7 | -4 | -7.6 | -2.94 | 1.31 | -12.81 | -3.66 | 6+2 | 0 | 5 | 15 | |
| 4:10 PM | 4:10 PM | 14020 | | | | | | | | | 6+2 | 16 | 5 | 0 | No PS Beam |
| 4:14 PM | 4:14 PM | 14021 | 0.9 | -9.9 | -3.6 | -7.4 | -2.81 | 1.56 | -12.04 | -2.71 | 6+2 | 16 | 5 | 0 | |
| 4:17 PM | 4:17 PM | 14022 | 1 | -10.3 | -3.7 | -7.4 | -2.94 | 1.81 | -12.51 | -1.96 | 6+2 | 16 | 5 | 15 | |
| 4:20 PM | 4:20 PM | 14023 | 1 | -10.3 | -3.7 | -7.4 | -2.94 | 1.81 | -12.51 | -1.96 | 6+2 | 16 | 5 | 0 | |
| 4:23 PM | 4:23 PM | 14024 | 1 | -10.3 | -3.7 | -7.4 | -2.94 | 1.81 | -12.51 | -1.96 | 6+2 | 16 | 5 | 15 | |
| 4:25 PM | 4:25 PM | 14025 | 1 | -10.3 | -3.7 | -7.4 | -2.94 | 1.81 | -12.51 | -1.96 | 6+2 | 16 | 5 | 0 | End of 700us delay |
| 5:19 PM | 5:19 PM | 14026 | 1 | -10.7 | -4.4 | -7.5 | -3.38 | 2.00 | -14.53 | -1.50 | 6+2 | 16 | 5 | 15 | Pump/Probe 350us delay |
| 6:58 PM | 6:58 PM | 14027 | 0.7 | -10.5 | -4 | -7.5 | -2.94 | 1.88 | -12.81 | -1.88 | 6+2 | 16 | 0 | 0 | Beam Trigger came beginning of ramp |
| 7:06 PM | 7:06 PM | 14028 | 0.7 | -10.2 | -3.9 | -7.3 | -2.88 | 1.81 | -12.53 | -1.86 | 6+2 | 16 | 5 | 15 | |
| 7:17 PM | 7:17 PM | 14029 | 0.9 | -10.1 | -4.3 | -7.6 | -3.25 | 1.56 | -14.05 | -2.91 | 6+2 | 16 | 5 | 15 | |
| 7:21 PM | 7:21 PM | 14030 | 1.5 | -10.1 | -3.6 | -7.7 | -3.19 | 1.50 | -13.16 | -3.20 | 6+2 | 16 | 5 | 0 | |
| 7:23 PM | 7:23 PM | 14031 | 0.7 | -9.9 | -4 | -7.4 | -2.94 | 1.56 | -12.81 | -2.71 | 6+2 | 16 | 5 | 15 | |
| 7:27 PM | 7:27 PM | 14032 | 1.2 | -10.1 | -3.7 | -7.7 | -3.06 | 1.50 | -12.89 | -3.20 | 6+2 | 16 | 5 | 0 | |
| 7:32 PM | 7:32 PM | 14033 | 0.6 | -9.9 | -4 | -7.6 | -2.88 | 1.44 | -12.63 | -3.29 | 6+2 | 16 | 5 | 15 | |
| 7:41 PM | 7:41 PM | 14034 | 0.3 | -10.2 | -3.9 | -7.9 | -2.63 | 1.44 | -11.78 | -3.59 | 6+2 | 16 | 5 | 15 | |
| 7:43 PM | 7:43 PM | 14035 | 0.1 | -10.2 | -4.3 | -7.6 | -2.75 | 1.63 | -12.55 | -2.73 | 6+2 | 16 | 5 | 0 | |
| 8:00 PM | 8:00 PM | 14036 | 0.3 | -9.9 | -4.7 | -7.4 | -3.13 | 1.56 | -14.08 | -2.71 | 6+2 | 4 | 5 | 15 | 350us delay |
| 8:13 PM | 8:13 PM | 14037 | 1 | -9.9 | -4.1 | -7.6 | -3.19 | 1.44 | -13.66 | -3.29 | 8 | 4 | 5 | 15 | No delay No SMD images |
| 8:14 PM | 8:14 PM | 14038 | | | | | | | | | 2 | 1 | 0 | 0 | Beam Studies |
| 9:30 PM | 9:30 PM | 14039 | | | | | | | | | 2 | 1 | 0 | 0 | |
| 10:12 PM | 10:12 PM | 14040 | | | | | | | | | 2 | 1 | 0 | 0 | |
| 10:22 PM | 10:22 PM | 14041 | | | | | | | | | 2 | 1 | 0 | 0 | |
| 10:22 PM | 10:22 PM | 14042 | | | | | | | | | 2 | 1 | 0 | 0 | |
| 11:05 PM | 11:05 PM | 14043 | | | | | | | | | 2 | 1 | 0 | 0 | |
| 11:11 PM | 11:11 PM | 14044 | | | | | | | | | 2 | 1 | 0 | 0 | |
| 11:18 PM | 11:18 PM | 14045 | | | | | | | | | 2 | 1 | 0 | 0 | End of Beam Studies |
| 9-Nov | 12:00 AM | | | | | | | | | | | | | | |
| 9:37 AM | 9:37 AM | 15001 | | | | | | | | | 8 | | 5 | 15 | No PS Beam |
| 9:40 AM | 9:40 AM | test | 0.3 | -10.4 | -3.5 | -7.4 | -2.38 | 1.88 | -10.63 | -1.78 | | | | | Position test with LI |
| 10:00 AM | 10:00 AM | 15002 | 1 | -9.9 | -3.7 | -7.9 | -2.94 | 1.25 | -12.51 | -4.15 | 6+2 | 16 | 5 | 15 | Good SMD images 350us delay |
| 10:05 AM | 10:05 AM | 15003 | 0.7 | -10.1 | -4 | -7.7 | -2.94 | 1.50 | -12.81 | -3.20 | 6+2 | 16 | 5 | 15 | |
| 10:10 AM | 10:10 AM | 15004 | 0.6 | -10.2 | -4 | -7.6 | -2.88 | 1.63 | -12.63 | -2.73 | 6+2 | 16 | 5 | 15 | |
| 10:13 AM | 10:13 AM | 15005 | 1 | -10.2 | -3.7 | -7.7 | -2.94 | 1.56 | -12.51 | -3.01 | 6+2 | 16 | 5 | 0 | Target out |
| 10:15 AM | 10:15 AM | 15006 | 0.9 | -9.9 | -3.9 | -7.6 | -3.00 | 1.44 | -12.90 | -3.29 | 6+2 | 16 | 5 | 15 | only !/2 SMD Image |
| 10:19 AM | 10:19 AM | 15007 | 0.9 | -9.9 | -3.9 | -7.6 | -3.00 | 1.44 | -12.90 | -3.29 | 6+2 | 16 | 5 | 0 | |
| 10:22 AM | 10:22 AM | 15008 | 0.9 | -9.9 | -3.9 | -7.6 | -3.00 | 1.44 | -12.90 | -3.29 | 6+2 | 16 | 5 | 15 | SMD images incomplete |
| 10:24 AM | 10:24 AM | 15009 | 0.9 | -9.9 | -3.9 | -7.6 | -3.00 | 1.44 | -12.90 | -3.29 | 6+2 | 16 | 5 | 0 | End of 350us delay series |
| 11:16 AM | 11:16 AM | 15010 | 0.1 | -10.3 | -4.1 | -7.3 | -2.63 | 1.88 | -11.98 | -1.68 | 6+2 | 16 | 5 | 15 | 40us delay series |
| 11:22 AM | 11:22 AM | 15011 | 0.1 | -10.3 | -4.1 | -7.3 | -2.63 | 1.88 | -11.98 | -1.68 | 6+2 | 16 | 5 | 15 | |
| 11:28 AM | 11:28 AM | 15012 | 0.1 | -10.3 | -4.1 | -7.3 | -2.63 | 1.88 | -11.98 | -1.68 | 6+2 | 16 | 5 | 15 | 1/2 SMD images |
| 11:30 AM | 11:30 AM | 15013 | 0.1 | -10.3 | -4.1 | -7.3 | -2.63 | 1.88 | -11.98 | -1.68 | 6+2 | 16 | 5 | 0 | |
| 12:55 PM | 12:55 PM | 15014 | 0.1 | -10.3 | -4.1 | -7.3 | -2.63 | 1.88 | -11.98 | -1.68 | 6+2 | 16 | 5 | 15 | SMD Images black |
| 12:59 PM | 12:59 PM | 15015 | 0.1 | -10.3 | -4.1 | -7.3 | -2.63 | 1.88 | -11.98 | -1.68 | 6+2 | 16 | 5 | 0 | |
| 1:02 PM | 1:02 PM | 15016 | 0.1 | -10.3 | -4.1 | -7.3 | -2.63 | 1.88 | -11.98 | -1.68 | 6+2 | 16 | 5 | 15 | |
| 1:04 PM | 1:04 PM | 15017 | 0.1 | -10.3 | -4.1 | -7.3 | -2.63 | 1.88 | -11.98 | -1.68 | 6+2 | 16 | 5 | 0 | Flag info lost |
| 1:12 PM | 1:12 PM | 15018 | 0.1 | -10.3 | -4.1 | -7.3 | -2.63 | 1.88 | -11.98 | -1.68 | 6+2 | 16 | 5 | 15 | 0.2 seconds into flattop |
| 1:14 PM | 1:14 PM | 15019 | 0.1 | -10.3 | -4.1 | -7.3 | -2.63 | 1.88 | -11.98 | -1.68 | 6+2 | 16 | 5 | 15 | 0.8 seconds before flattop |
| 2:53 PM | 2:53 PM | 15020 | 1.1 | -10.4 | -3.7 | -7.7 | -3.00 | 1.69 | -12.70 | -2.64 | 8 | 16 | 5 | 15 | No delay trigger arrived on Hg upramp |
| 3:00 PM | 3:00 PM | 15021 | 0.7 | -10.3 | -3.4 | -7.7 | -2.56 | 1.63 | -11.09 | -2.83 | 8 | 16 | 5 | 15 | |
| 3:07 PM | 3:07 PM | 15022 | 1.87 | -10 | -3.9 | -8.1 | -3.61 | 1.19 | -14.72 | -4.54 | 8 | 16 | 5 | 15 | 1/2 SMD images |
| 3:15 PM | 3:15 PM | 15023 | 1.1 | -10.2 | -3.9 | -8.7 | -3.13 | 0.94 | -13.28 | -5.89 | 8 | 16 | 5 | 15 | No SMD images |
| 3:25 PM | 3:25 PM | 15024 | 1.29 | -10.4 | -3.7 | -7.58 | -3.12 | 1.76 | -13.06 | -2.29 | 8 | 16 | 5 | 0 | |
| 3:27 PM | 3:27 PM | 15025 | 1.5 | -10.48 | -4.1 | -7.4 | -3.50 | 1.93 | -14.60 | -1.63 | 8 | 16 | 5 | 15 | 1/2 SMD images |
| 3:32 PM | 3:32 PM | 15026 | -0.2 | -11.4 | -3.7 | -7.6 | -2.19 | 2.38 | -10.26 | -0.47 | 8 | 16 | 5 | 0 | |
| 3:37 PM | 3:37 PM | 15027 | 0.8 | -11 | -3.4 | -7.6 | -2.63 | 2.13 | -11.28 | -1.23 | 8 | 16 | 5 | 15 | 1/2 SMD images |
| 3:39 PM | 3:39 PM | 15028 | 0.14 | -11.6 | -3.4 | -8.2 | -2.21 | 2.13 | -10.04 | -1.83 | 8 | 16 | 5 | 15 | |
| 5:02 PM | 5:02 PM | 15029 | 0.43 | -10.72 | -3.72 | -8 | -2.59 | 1.70 | -11.50 | -2.90 | 8 | 6 | 5 | 15 | |
| 5:12 PM | 5:12 PM | 15030 | 0.29 | -9.7 | -4.1 | -8.1 | -2.74 | 1.00 | -12.33 | -5.10 | 8 | 6 | 5 | 0 | Target out |
| 5:17 PM | 5:17 PM | 15031 | 0 | -10.7 | -3.8 | -7.7 | -2.38 | 1.88 | -10.93 | -2.08 | 8 | 6 | 5 | 15 | |
| 5:19 PM | 5:19 PM | 15032 | 0.8 | -11.7 | -3.8 | -7.5 | -2.88 | 2.63 | -12.43 | 0.37 | 8 | 6 | 5 | 0 | Target out |
| 5:27 PM | 5:27 PM | 15033 | 1.5 | -11 | -4 | -7.7 | -3.44 | 2.06 | -14.31 | -1.51 | 8 | 6 | 5 | 15 | |
| 5:29 PM | 5:29 PM | 15034 | 1.6 | -10.2 | -3.9 | -8 | -3.44 | 1.38 | -14.21 | -3.88 | 8 | 6 | 5 | 0 | Target out |

| comment | | Beam | Flag 1 | Flag1 | Flag2 | Flag2 | Angle | Angle | Window | Window | # bunches | beam intensity | Field | Jet | action comment |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | No | H | V | H | V | H | V | H | V | | TP | T | m/s | |
| 5:34 PM | 5:34 PM | 15035 | 1.15 | -10.3 | -3.8 | -7.7 | -3.09 | 1.63 | -13.08 | -2.83 | 8 | 6 | 5 | 15 | |
| 5:37 PM | 5:37 PM | 15036 | 1.3 | -10.48 | -3.8 | -7.6 | -3.19 | 1.80 | -13.36 | -2.20 | 8 | 6 | 5 | 0 | Target out |
| 5:49 PM | 5:49 PM | 15037 | 1.15 | -10.34 | -4.1 | -7.7 | -3.28 | 1.65 | -13.94 | -2.75 | 8 | 6 | 5 | 15 | |
| 6:43 PM | 6:43 PM | 15038 | -0.14 | -10.48 | -3.72 | -7.4 | -2.24 | 1.93 | -10.43 | -1.63 | 8 | 10 | 5 | 15 | |
| 6:56 PM | 6:56 PM | 15039 | 0.14 | -10.89 | -4.13 | -7.58 | -2.67 | 2.07 | -12.14 | -1.37 | 8 | 8 | 5 | 15 | |
| 7:10 PM | 7:10 PM | 15040 | 2.01 | -10.75 | -1.1 | -8.38 | -1.94 | 1.48 | -6.93 | -3.94 | 8 | 8 | 5 | 15 | |
| 7:18 PM | 7:18 PM | 15041 | 2.73 | -10.6 | -1.2 | -8.38 | -2.46 | 1.39 | -8.57 | -4.22 | 8 | 6 | 5 | 15 | |
| 7:29 PM | 7:29 PM | 15042 | 3 | -10.3 | -0.5 | -8.2 | -2.19 | 1.31 | -7.06 | -4.26 | 8 | 6 | 5 | 15 | |
| 7:56 PM | 7:56 PM | 15043 | 2.87 | -10.2 | -1.2 | -7.7 | -2.54 | 1.56 | -8.83 | -3.01 | 16 | 6 | 5 | 15 | |
| 8:59 PM | 8:59 PM | 15044 | 2.87 | -10.2 | -1.2 | -7.7 | -2.54 | 1.56 | -8.83 | -3.01 | 4 | 12 | 5 | 15 | |
| 9:04 PM | 9:04 PM | 15045 | 2.87 | -10.2 | -0.69 | -8.2 | -2.23 | 1.25 | -7.37 | -4.45 | 4 | 12 | 5 | 15 | |
| 10-Nov | | | | | | | | | | | | | | | |
| 9:30 AM | 9:30 AM | 16001 | 4 | -10 | -0.13 | -7.7 | -2.58 | 1.44 | -7.87 | -3.39 | 1 | 3 | 0 | 15 | Warmup shot |
| 9:33 AM | 9:33 AM | 16002 | 3.3 | -10.4 | -0.13 | -7.7 | -2.14 | 1.69 | -6.56 | -2.64 | 4 | 10 | 4 | 15 | 1/2 SMD images |
| 9:55 AM | 9:55 AM | 16003 | 3.5 | -10.2 | 0 | -8.2 | -2.19 | 1.25 | -6.56 | -4.45 | 4 | 12 | 4 | 15 | 1/2 SMD images |
| 10:11 AM | 10:11 AM | 16004 | 3.3 | -10 | 0.1 | -8 | -2.00 | 1.25 | -5.90 | -4.25 | 4 | 14 | 6 | 15 | Weak Splash in V3 |
| 11:35 AM | 11:35 AM | 16005 | 3.4 | -10.6 | 0 | -7.9 | -2.13 | 1.69 | -6.38 | -2.84 | 8 | 12 | 5 | 15 | |
| 11:42 AM | 11:42 AM | 16006 | 5.3 | -10.7 | 2.4 | -8.3 | -1.81 | 1.50 | -3.04 | -3.80 | 8 | 12 | 5 | 15 | |
| 11:46 AM | 11:46 AM | 16007 | | | | | | | | | 8 | 12 | 5 | 15 | Flag info lost |
| 12:06 PM | 12:06 PM | 16008 | 5.9 | -10.3 | 1.1 | -7.5 | -3.00 | 1.75 | -7.90 | -2.25 | 4+4 | 6+6 | 5 | 15 | No SMD images |
| 12:28 PM | 12:28 PM | 16009 | 2.18 | -10.48 | -0.5 | -8.06 | -1.68 | 1.51 | -5.53 | -3.52 | 4+4 | 6+6 | 5 | 15 | 40 us delay hit in V3 |
| 12:37 PM | 12:37 PM | 16010 | 3.3 | -10.4 | -0.1 | -8 | -2.13 | 1.50 | -6.48 | -3.50 | 4+4 | 6+6 | 5 | 15 | 350us delay hit in VP3 |
| 12:46 PM | 12:46 PM | 16011 | 2.6 | -10.7 | -0.8 | -8 | -2.13 | 1.69 | -7.18 | -2.94 | 4+4 | 6+6 | 5 | 15 | 700us weak splash |
| 2:16 PM | 2:16 PM | 16012 | 0.59 | -9.7 | -0.14 | -8.1 | -0.46 | 1.00 | -1.51 | -5.10 | 4 | 14 | 5 | 15 | No SMD images |
| 2:29 PM | 2:29 PM | 16013 | 3 | -9.1 | 0.14 | -7.7 | -1.79 | 0.88 | -5.22 | -5.08 | 4 | 14 | 10 | 15 | No SMD images |
| 2:42 PM | 2:42 PM | 16014 | 3 | -9.4 | -0.7 | -7.1 | -2.31 | 1.44 | -7.64 | -2.79 | 4 | 12 | 10 | 15 | |
| 3:34 PM | 3:34 PM | 16015 | 2.9 | -9 | -0.3 | -6.6 | -2.00 | 1.50 | -6.30 | -2.10 | 4 | 12 | 15 | 15 | |
| 3:43 PM | 3:43 PM | 16016 | 3.2 | -9.1 | -0.4 | -7.7 | -2.25 | 0.88 | -7.15 | -5.08 | 4 | 10 | 5 | 15 | |
| 11-Nov | | | | | | | | | | | | | | | |
| 10:05 AM | 10:05 AM | 17001 | 2.7 | -10.7 | -0.9 | -8 | -2.25 | 1.69 | -7.65 | -2.94 | 16 | 6 | 5 | 15 | |
| 11:18 AM | 11:18 AM | 17002 | 2.5 | -10.4 | -0.5 | -8 | -1.88 | 1.50 | -6.13 | -3.50 | 16 | 8 | 5 | 15 | Hit in VP2 focus poor |
| 11:27 AM | 11:27 AM | 17003 | 2.7 | -10.8 | -0.8 | -7.9 | -2.19 | 1.81 | -7.36 | -2.46 | 16 | 6 | 5 | 15 | |
| 11:35 AM | 11:35 AM | 17004 | 2.7 | -10.6 | -0.8 | -7.4 | -2.19 | 2.00 | -7.36 | -1.40 | 16 | 6 | 5 | 15 | |
| 11:53 AM | 11:53 AM | test | 1.3 | -10.3 | -3.6 | -7.6 | -3.06 | 1.69 | -12.79 | -2.54 | | | | | |
| 11:59 AM | 11:59 AM | 17005 | 1.4 | -10.6 | -3.5 | -7.7 | -3.06 | 1.81 | -12.69 | -2.26 | 16 | 6 | 5 | 15 | |
| 12:24 PM | 12:24 PM | 17006 | 1.3 | -9.9 | -3.6 | -7.5 | -3.06 | 1.50 | -12.79 | -3.00 | 16 | 6 | 7 | 15 | |
| 12:37 PM | 12:37 PM | 17007 | 1.9 | -10.3 | -3.3 | -7.7 | -3.25 | 1.63 | -13.05 | -2.83 | 16 | 4 | 7 | 15 | |
| 2:26 PM | 2:26 PM | 17008 | 0 | 0 | -3 | -7.7 | -1.88 | -4.81 | -8.63 | -22.14 | 16 | 8 | 7 | 15 | Flag1 info lost |
| 2:39 PM | 2:39 PM | 17009 | 0.4 | -10.3 | -4.2 | -7.7 | -2.88 | 1.63 | -12.83 | -2.83 | 8+8 | 8 | 7 | 15 | 40us delay |
| 2:47 PM | 2:47 PM | 17010 | 1.3 | -10.3 | -3.5 | -7.7 | -3.00 | 1.63 | -12.50 | -2.83 | 8+8 | 8 | 7 | 15 | 40us delay |
| 3:11 PM | 3:11 PM | 17011 | 1 | -10.6 | -3.4 | -7.4 | -2.75 | 2.00 | -11.65 | -1.40 | 8+8 | 8 | 7 | 15 | 80us delay |
| 3:16 PM | 3:16 PM | 17012 | 1.3 | -10.2 | | | | | | | 8+8 | 8 | 7 | 15 | 20us delay |
| 4:14 PM | 4:14 PM | 17013 | 1 | -10.3 | -3.8 | -7.9 | -3.00 | 1.50 | -12.80 | -3.40 | 8+8 | 8 | 7 | 15 | 60us delay |
| 4:26 PM | 4:26 PM | 17014 | 1.3 | -10.7 | -3.2 | -7.7 | -2.81 | 1.88 | -11.64 | -2.08 | 8+8 | 8 | 7 | 15 | 10us delay booster problem |
| 4:29 PM | 4:29 PM | 17015 | 1.15 | -10.6 | -3.6 | -7.7 | -2.97 | 1.81 | -12.51 | -2.26 | 8+8 | 8 | 7 | 15 | 10us repeat |
| 4:40 PM | 4:40 PM | 17016 | 1.3 | -10.4 | -3.5 | -7.7 | -3.00 | 1.69 | -12.50 | -2.64 | 8+8 | 7 | 7 | 15 | 5.8us dellay |
| 4:52 PM | 4:52 PM | 17017 | 1.4 | -10.6 | -3.4 | -7.9 | -3.00 | 1.69 | -12.40 | -2.84 | 8+8 | 8 | 7 | 15 | 0us delay |
| 5:56 PM | 5:56 PM | 17018 | 1.3 | -10.2 | -3.1 | -7.9 | -2.75 | 1.44 | -11.35 | -3.59 | 8+8 | 6 | 7 | 15 | 3.2us delay |
| 6:18 PM | 6:18 PM | 17019 | 1.8 | -9.9 | -2.9 | -7.9 | -2.94 | 1.25 | -11.71 | -4.15 | 8+0 | 4 | 7 | 15 | Pump only |
| 6:26 PM | 6:26 PM | 17020 | 2.15 | -10.3 | -2.89 | -7.9 | -3.15 | 1.50 | -12.34 | -3.40 | 8+0 | 6 | 7 | 15 | Pump only |
| 6:36 PM | 6:36 PM | 17021 | 2.3 | -10.3 | -3.1 | -7.9 | -3.38 | 1.50 | -13.23 | -3.40 | 16 | 15 | 10 | 15 | |
| 7:44 PM | 7:44 PM | 17022 | 2.6 | -10.6 | -2.6 | -7.4 | -3.25 | 2.00 | -12.35 | -1.40 | 16 | 15 | 15 | 15 | |
| 8:40 PM | 8:40 PM | 17023 | 1.4 | -10.7 | -3.1 | -6.9 | -2.81 | 2.38 | -11.54 | 0.22 | 16 | 29 | 15 | 15 | |
| 8:51 PM | 8:51 PM | 17024 | 1.2 | -10.5 | -3.7 | -7.5 | -3.06 | 1.88 | -12.89 | -1.88 | 16 | 29 | 10 | 20 | |