Linac Status

D. Raparia

June 9, 2015
Time Meeting

Status

- Linac running in good condition for polarized proton program and BLIP at 200 MeV

- 6/2/15: 200 MeV test run for BLIP (4 HRS)
- 6/3/15: Tube 7835 replaced for mod 7 and 8 (3.5 HRS)
- 6/4/15: 200 MeV set up for BLIP (4.5 HRS)

- 6/6/15: PS for quad 1-5 (3 HRS)
- 6/8/15: Mod 7 backswing resistor and diode and linac zone 2 access to clean strainer for DH2-4 (3.25 HRS)

- 6/10/15: Maintenance (~ 4 HRS)

  -Tank 7 tuner, Polarimeter, …

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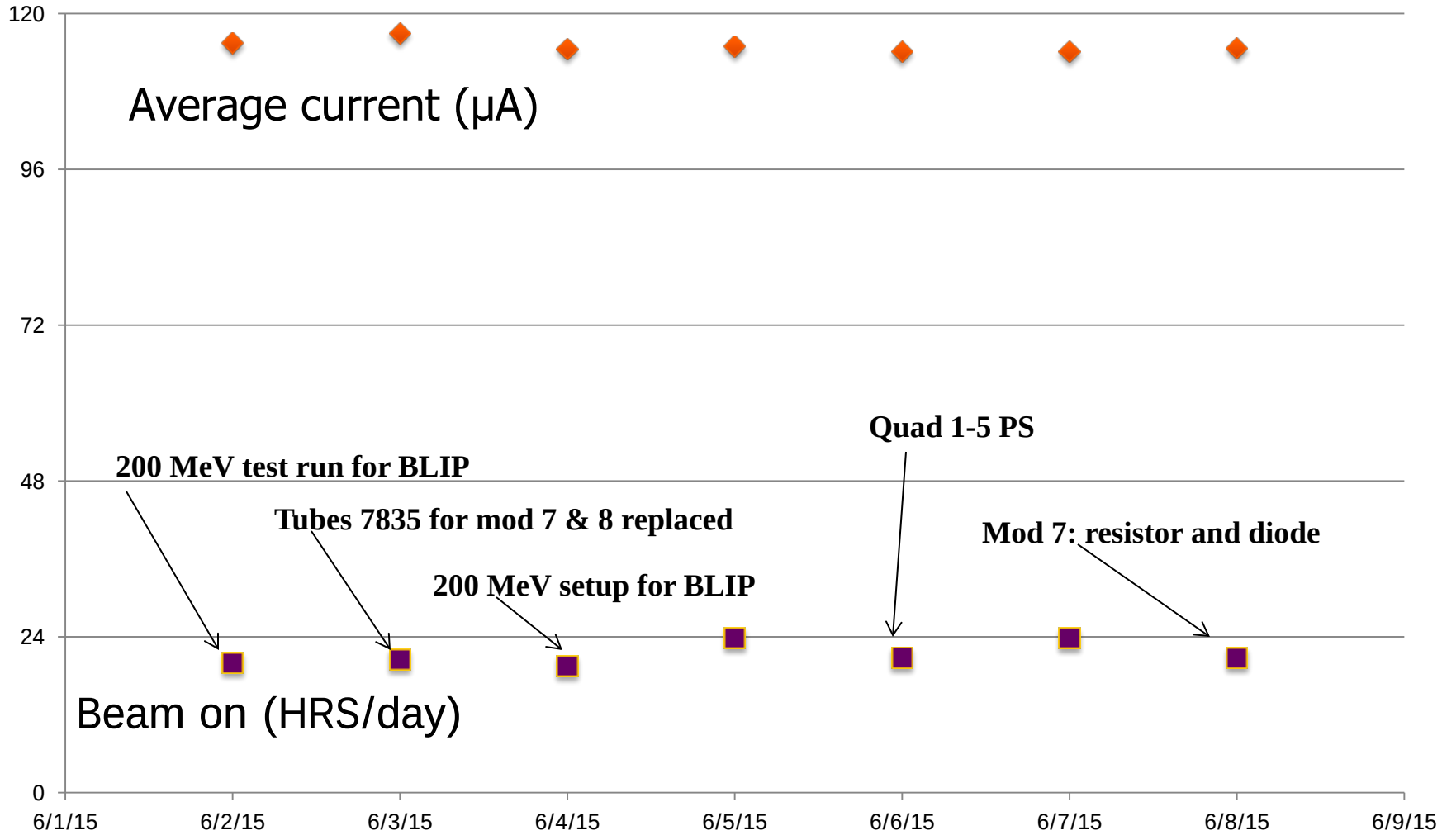
Average Current and Beam on HRS for BLIP



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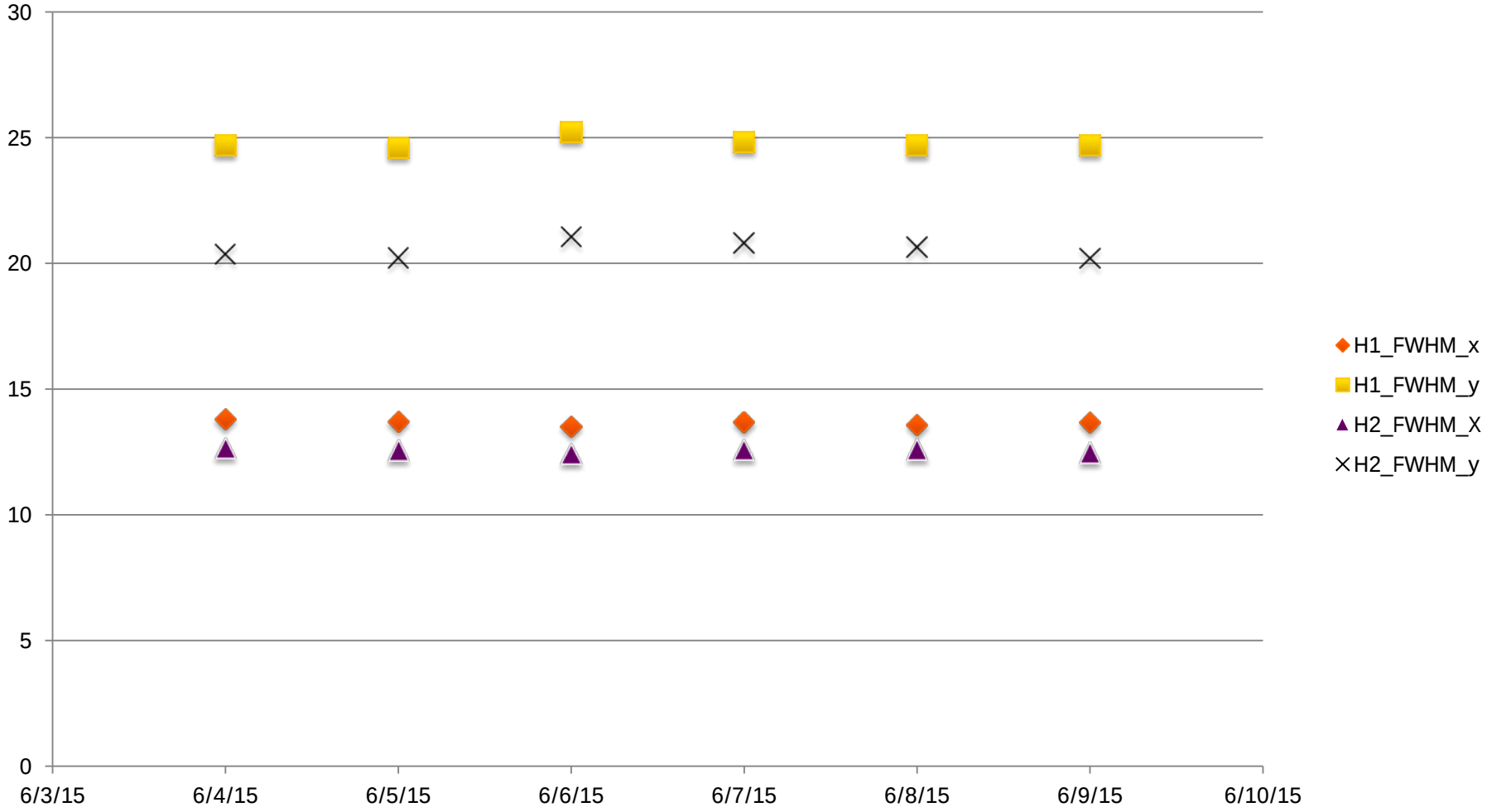
FWHM (mm) at Harp 1 and 2



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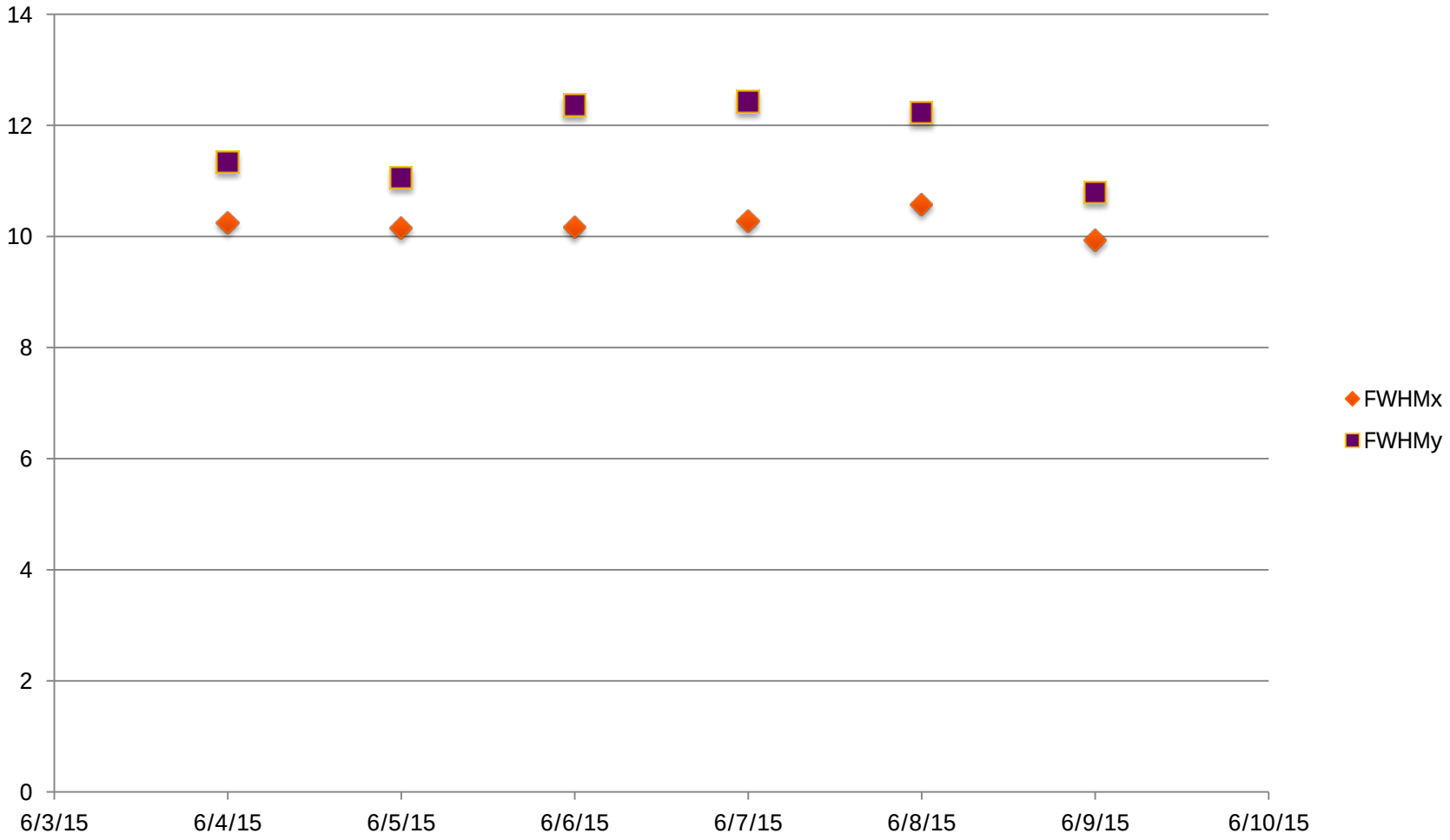
FWHM (mm) at Target (projected)



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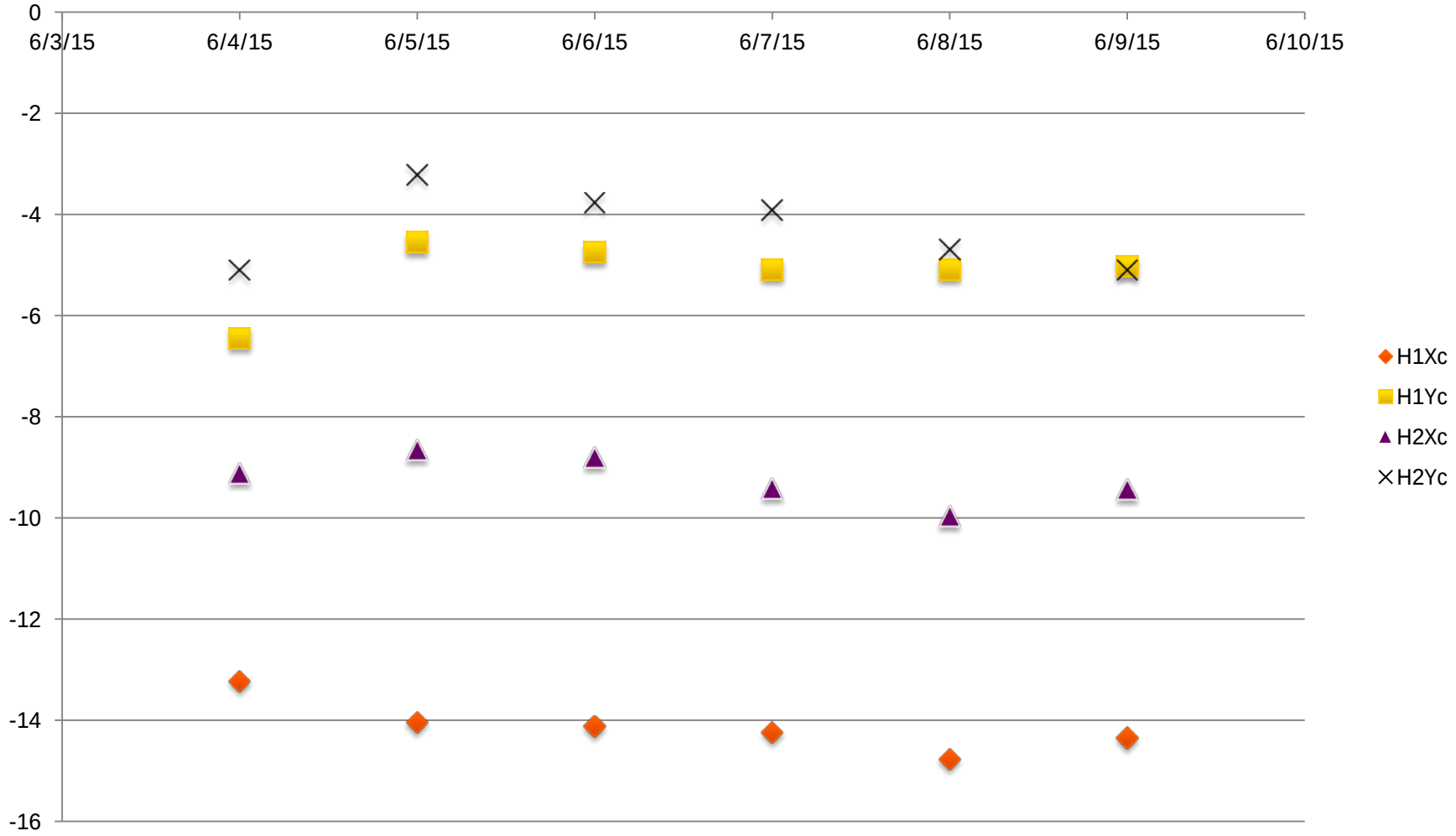
Beam Center (mm) at Harp1 and 2



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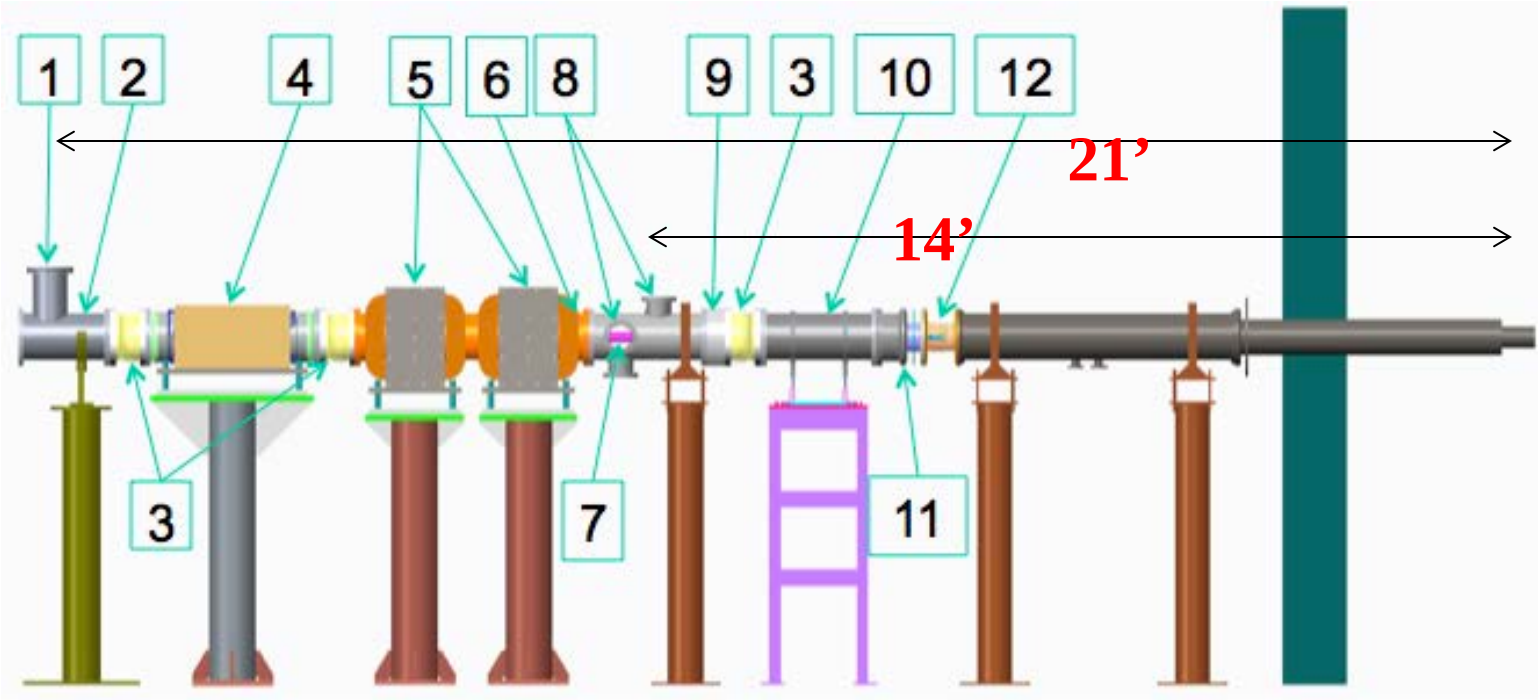
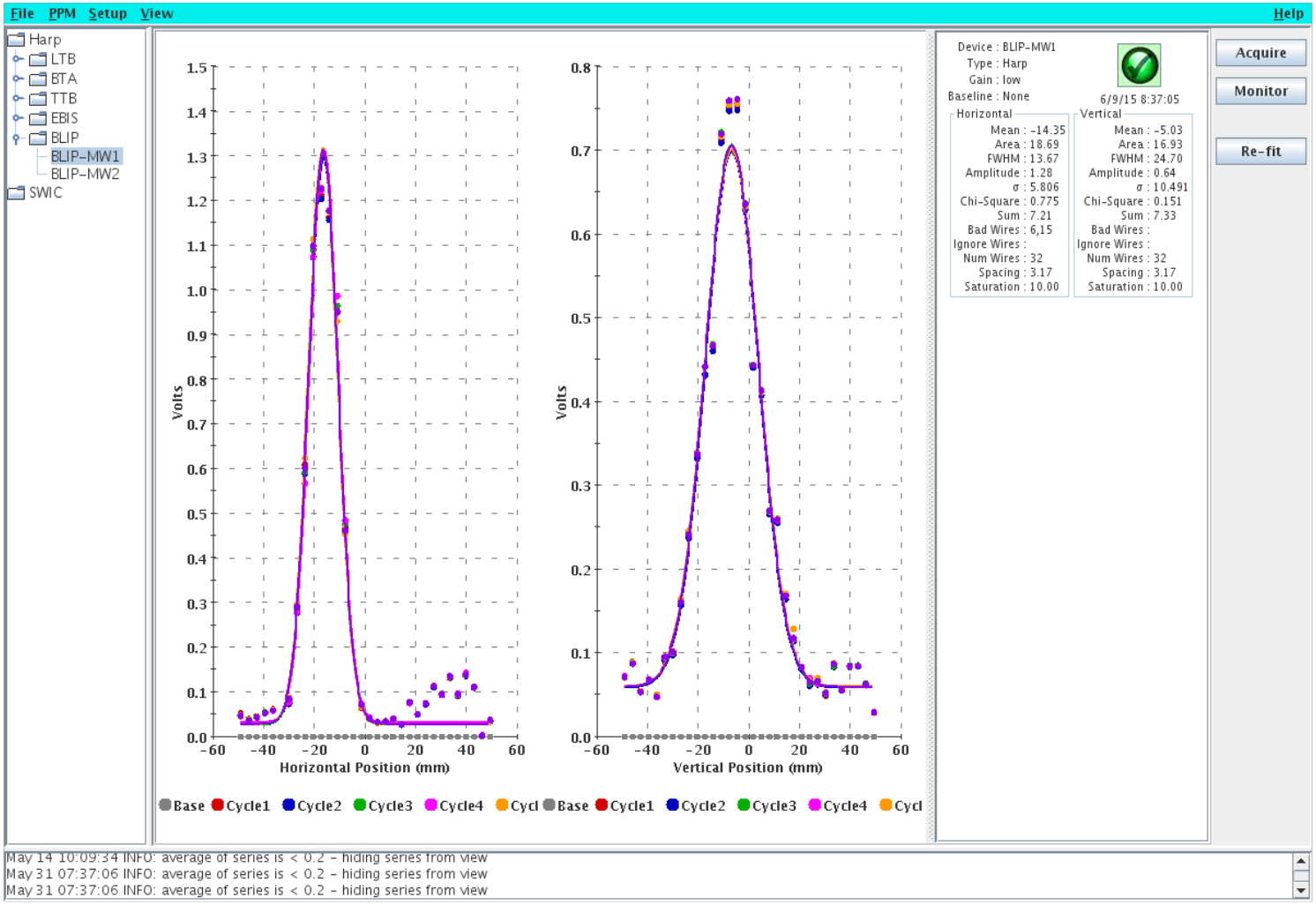
Beamline Location



1. plunging harp
2. 6.50” collimator
3. bellows (3x)
4. raster magnet
5. steering magnets (existing, 2x)
6. 4.00” collimator
7. plunging harp (opposite side)
8. laser profile monitor
9. beam current transformers (2x)
10. beam position monitor
11. beryllium window (existing)
12. aluminum bellows (existing)

HARP1



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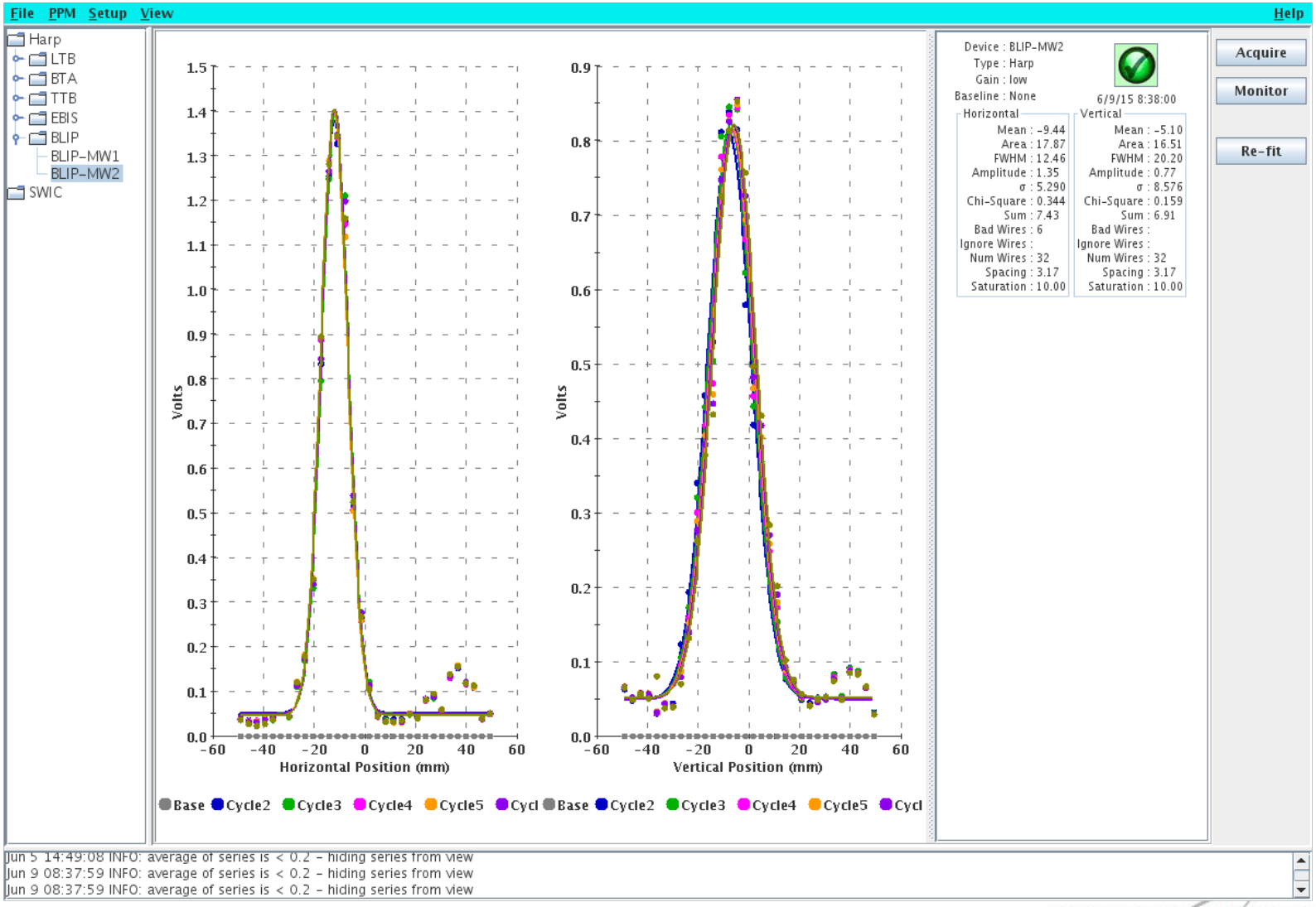
HARP2



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