

Hg System Assembly and Testing Status

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Welding Completed

- Sump tank deflector
- Hoisting/forktruck channels
- Cart stiffeners



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Cart Modifications

- Secondary box center of gravity slightly shifted from estimated location
- Cart will be further back on common baseplate
- Secondary box locating tabs welded in position



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Secondary Snout Fiducialized

- Marks on exterior of target snout will aid in alignment (tilt and elevation only)
- Service provided by SNS Survey & Alignment Group at no cost

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4

Jet Chamber Surveyed

- Reference was viewport center at Z=0
- Accurate (<1mm) marks scratched on sleeve surface indicating beam line when target tilted to 66 milliradians
 - Dimensional information provided by Solidworks CAD models
- Once beam line established, data transferred to secondary sleeve
 - Upstream beam window not available

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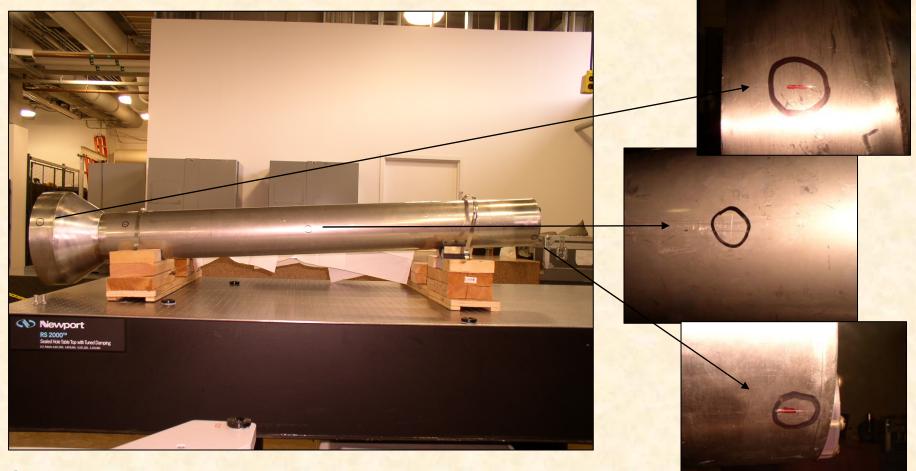




Installation Marks



Optical survey equipment required to see scribe marks



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Wiring Started

- Sensor wiring inside the hydraulic control cabinet has been started
- RTD wiring completed
- Wire bundles provided by Princeton (using halogen-free cables from CERN)



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Final Assembly Started



- Interior of secondary box cleaned with degreaser and alcohol
- Syringe placed inside box in final position



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Current Status / Next Steps



- Populate secondary box ports
- Complete plumbing inside secondary containment
- Finish wiring inside HPU & start wiring inside secondary containment