

Hg System Assembly and Testing Status

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MERIT VRVS Meeting

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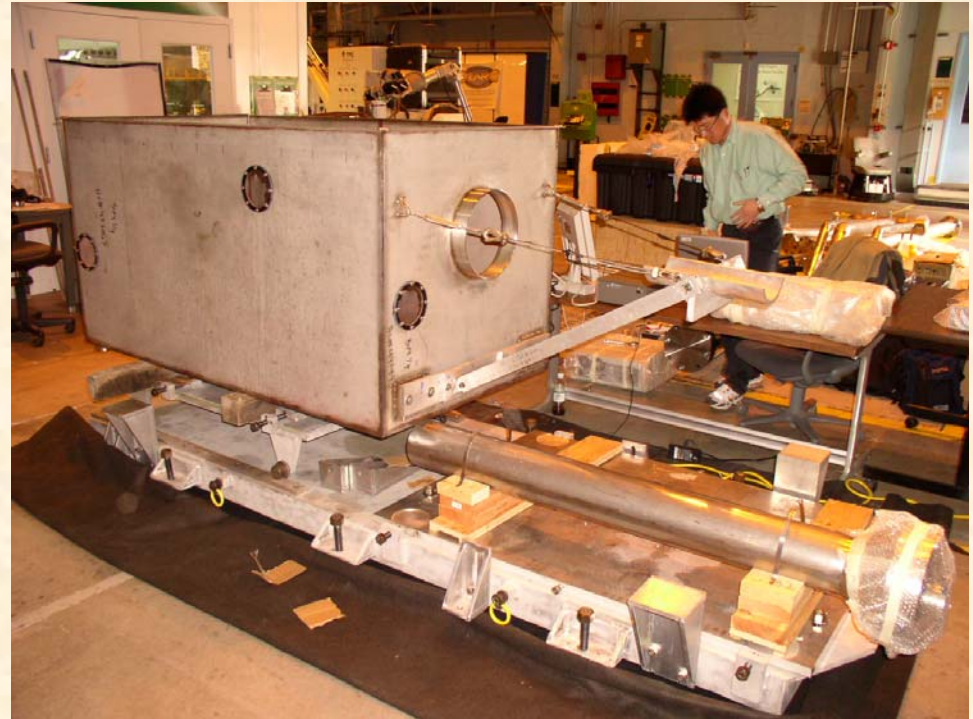
Equipment Arrived Oct 23

- **No damage noted during unpacking process**
- **Many small boxes, especially for optical diagnostics equipment**
 - **More efficient packing scheme needed for MIT/CERN transport**



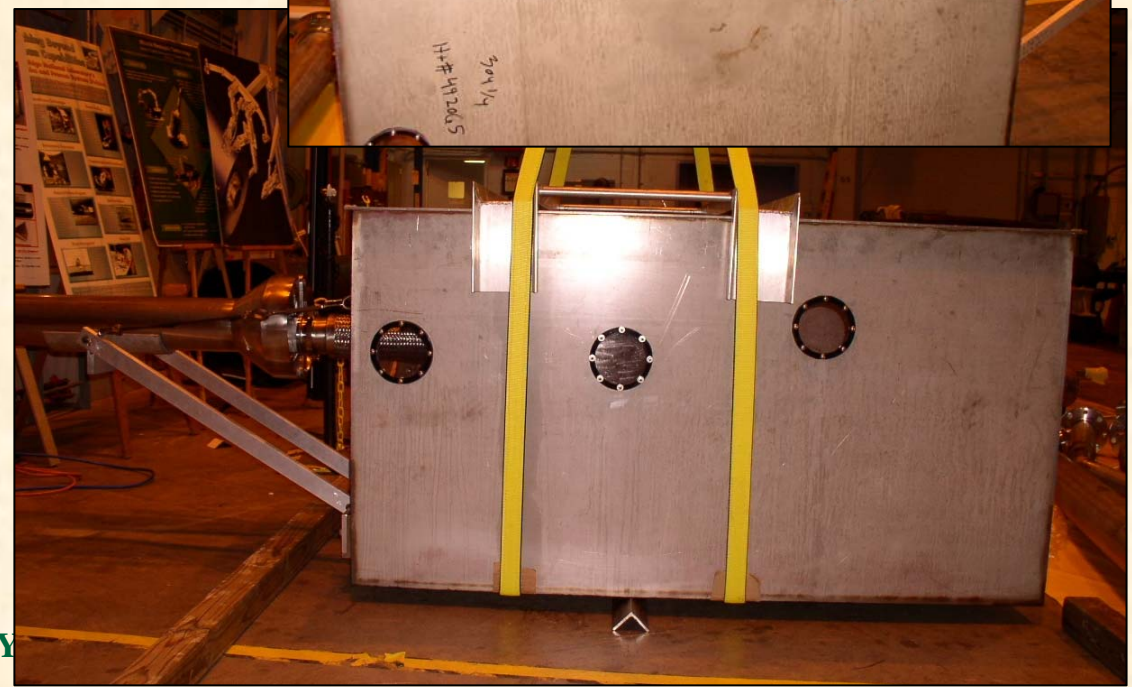
Testing Setup

- Optics equipment area defined near correct port on secondary containment
- Pond liner underlayment in use as test for puncture resistance



Preparations for Assembly

- **Welding must be performed on secondary and cart components**
- **Needed center of gravity to correctly place fork truck channels**
- **Actual CG was about 5" from estimate**
 - **Necessitates minor modifications to cart and baseplate**



Actual Component Weights

- **Baseplate – 800 lbs**
- **Empty secondary box – 1000 lbs**
- **Syringe & sump assembly (empty sump, full drive cylinders) – 2000 lbs**
- **Secondary box, syringe assy, target snout – 3000 lbs**





Current Status / Next Steps

- **Components to be welded are in weld shop**
- **Awaiting availability of welder, should be this week**
- **Discussions with SNS Survey & Alignment group regarding addition of fiducials to target snout**
- **Optical diagnostic equipment assembly continues**
- **Starting to look at sensor wiring installation (inside HPU control cabinet)**