

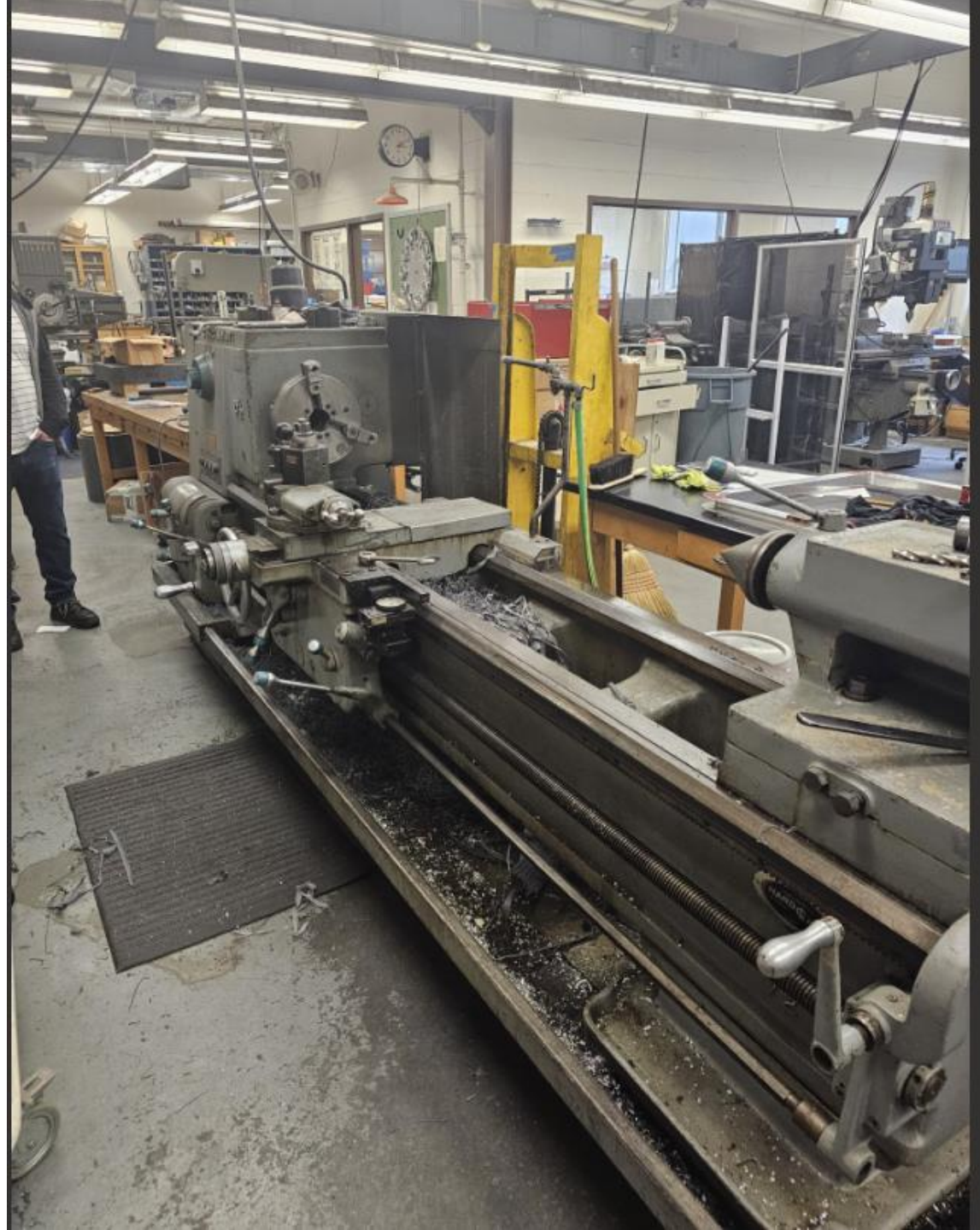
Status of magnet vessel #1

- On 3/05/2024 vessel was delivered to UKY →
- 18 AWG wire for two magnets is at UKY
- UKY is starting this week a test of wrapping of 0.3 mm μ -metal shield around prototype magnet ↓



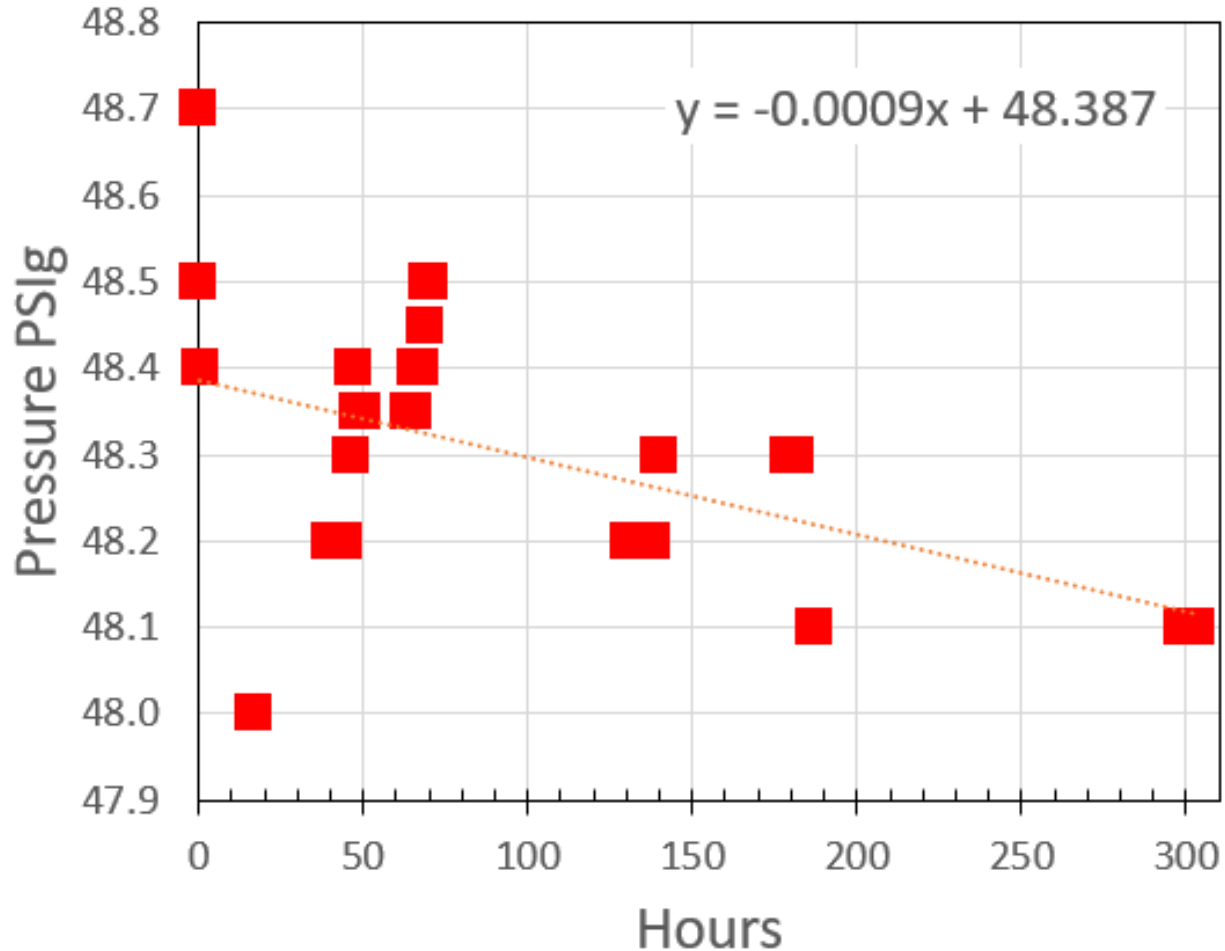
UKY wire winding machine

- Holding caps (to be attached to the magnet flanges) need to be manufactured at UKY



Pressure leak test with Magnet Vessel #1 (final result)

Pressure



At UT from February 20 to March 4
for 303 hours

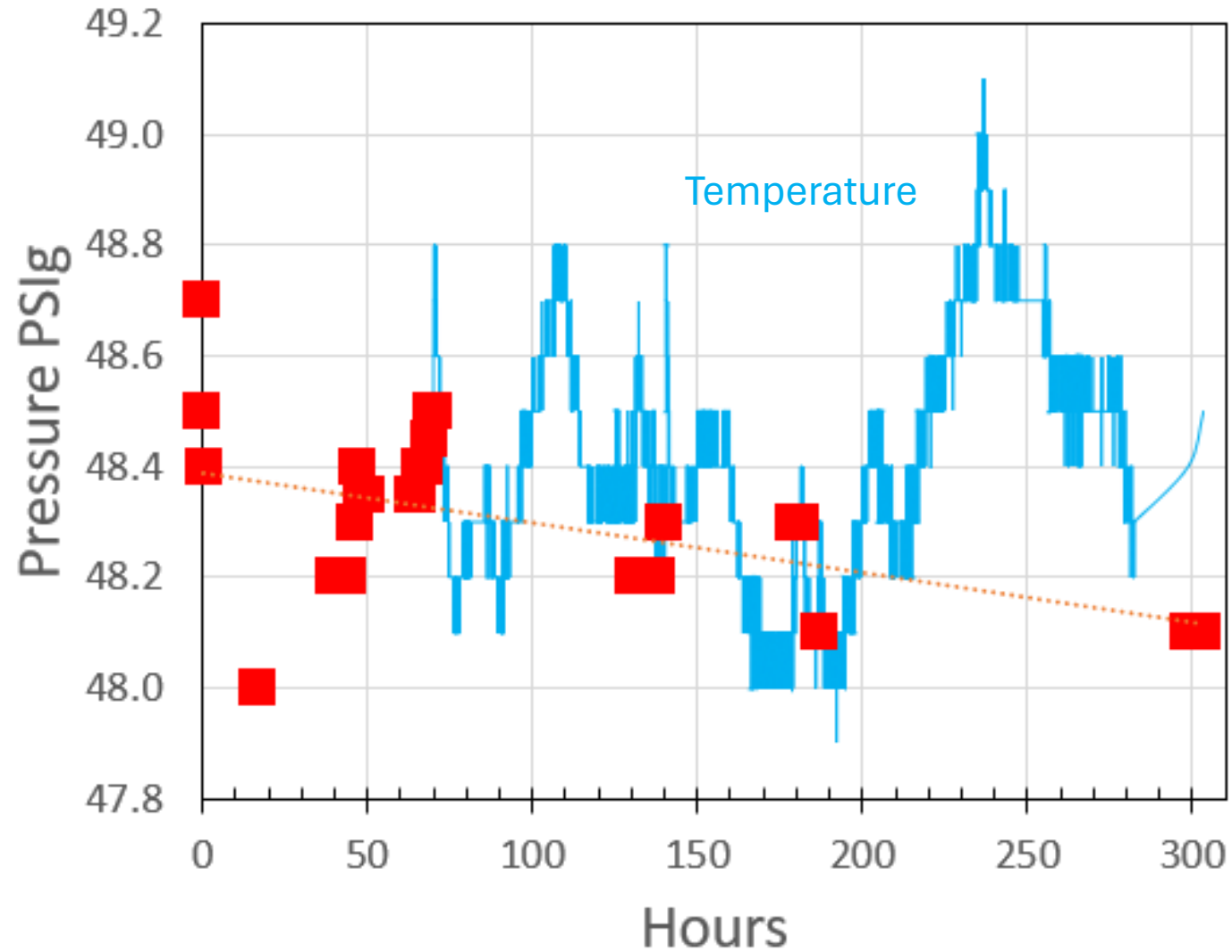
Initial Test Pressure \sim 48.5 PSI or
 \sim 3.3 atm (gauge) or 4.3 atm (absolute)

Observations are consistent with NO LEAK

Pressure drop $<$ 0.277 PSI (from the trend)

Possible leak rate $<$ 9.23×10^{-4} PSI/hour

Pressure and (T+28) °C



Measurements were performed by Shaun Vavra

No significant correlation with temperature