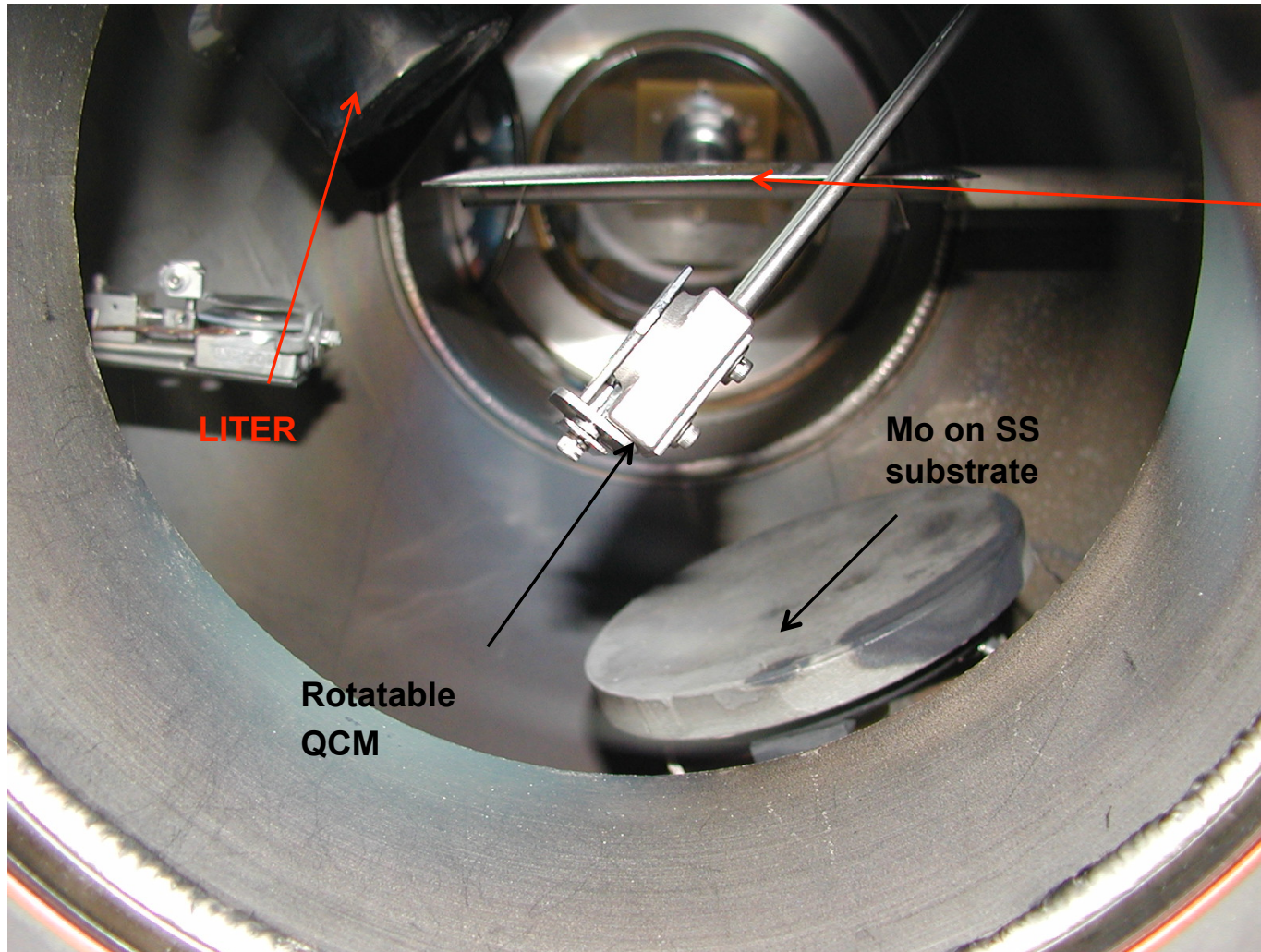


Experiment Summary

- SS plate coated with porous Mo used as substrate for evaporation
- Substrate was baked up to 350 C for 4 days prior to start of evaporation, no other cleaning performed
- Shutter was put into place using laser alignment to shield half of LITER efflux
- LITER evaporation was performed at varying rates over several days onto warm (210 C) substrate, and Li was observed to wick up to areas shielded from direct exposure
- Bluish MoO coatings were observed on surface
- LITER eventually deposited its full charge (37 g), and plate became saturated, leading to pooling on the surface
- Exposure overnight led to passivation of surface, though raising the temperature to 400 C allowed for surface recovery

L245 Experimental Setup



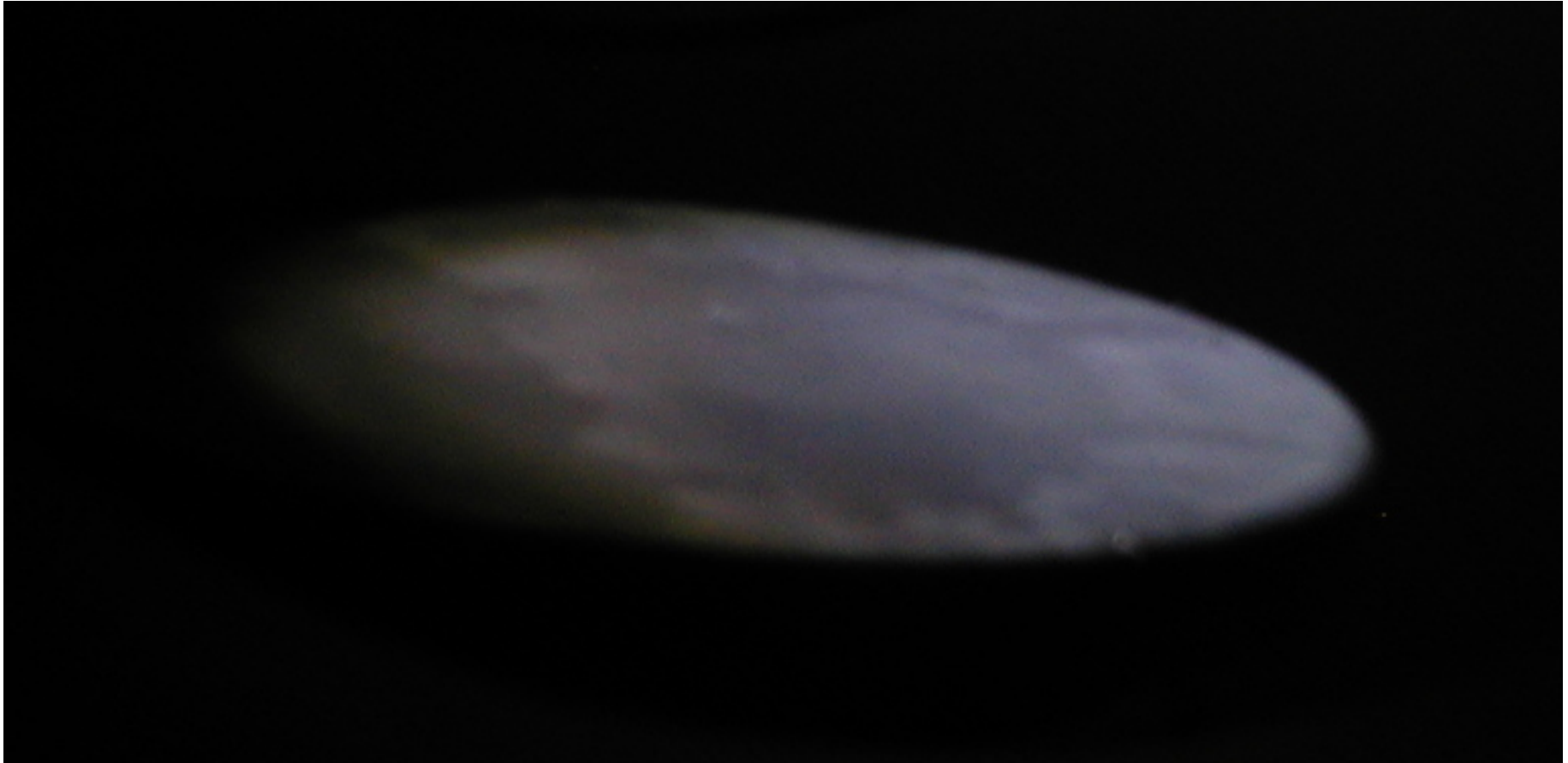
LITER

Retractable shutter

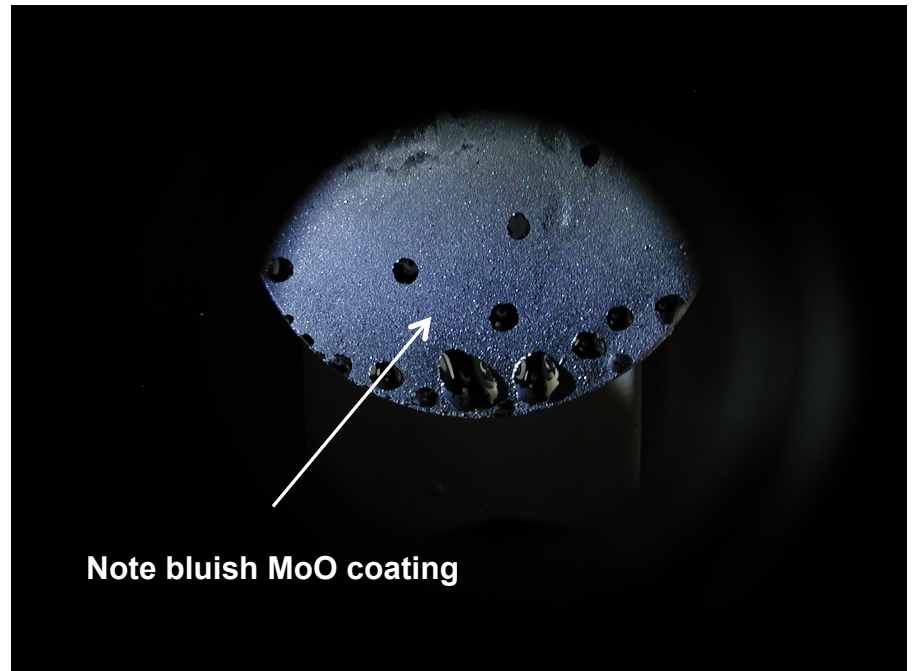
Mo on SS substrate

Rotatable QCM

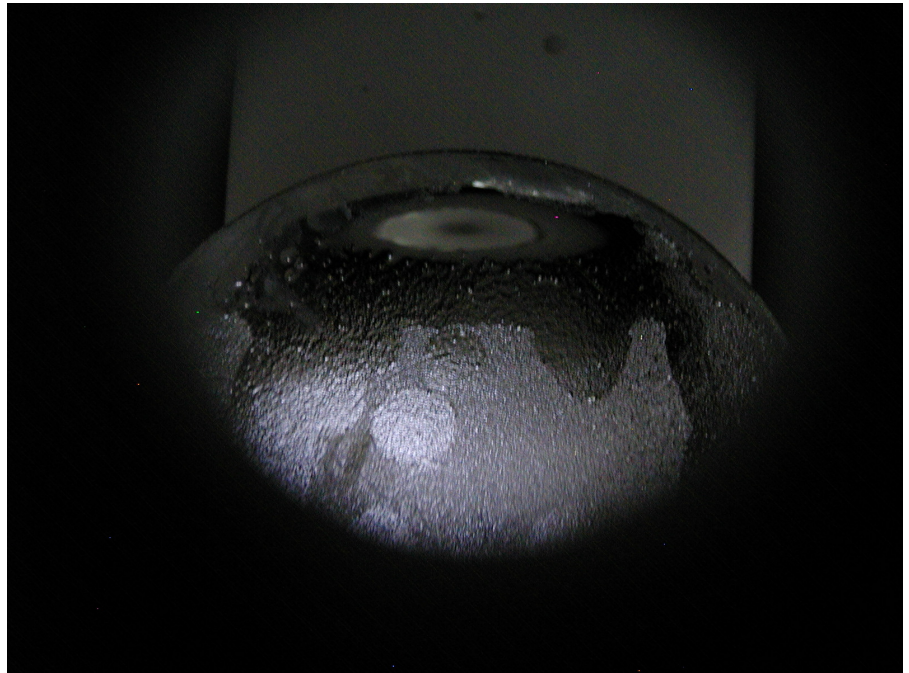
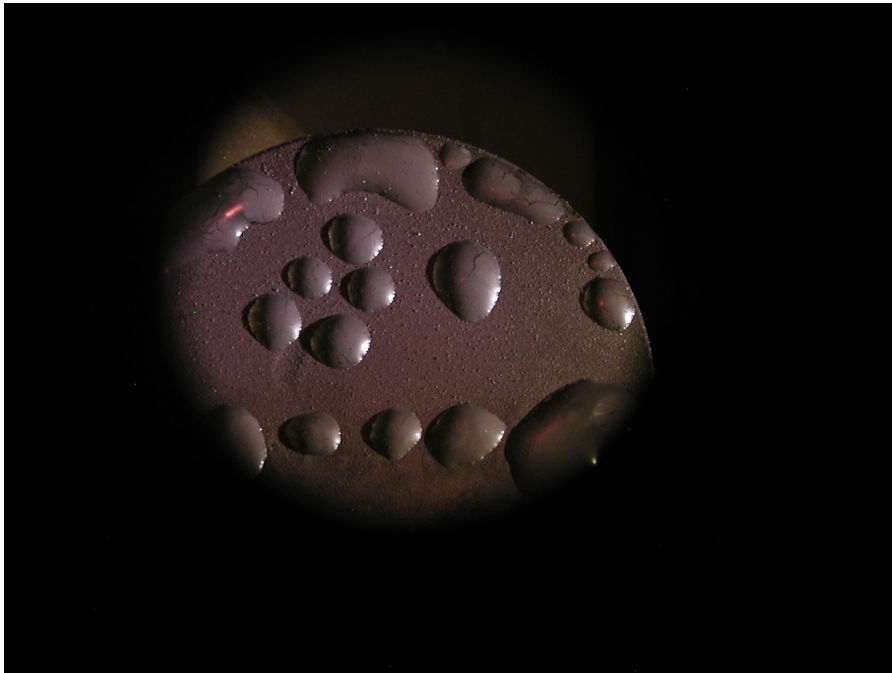
Fully coated substrate



Substrate w/ further Li coating



Passivated and recovered surfaces



After heating to ~400 C