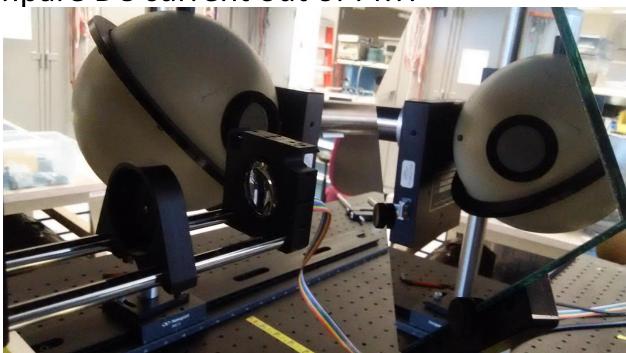
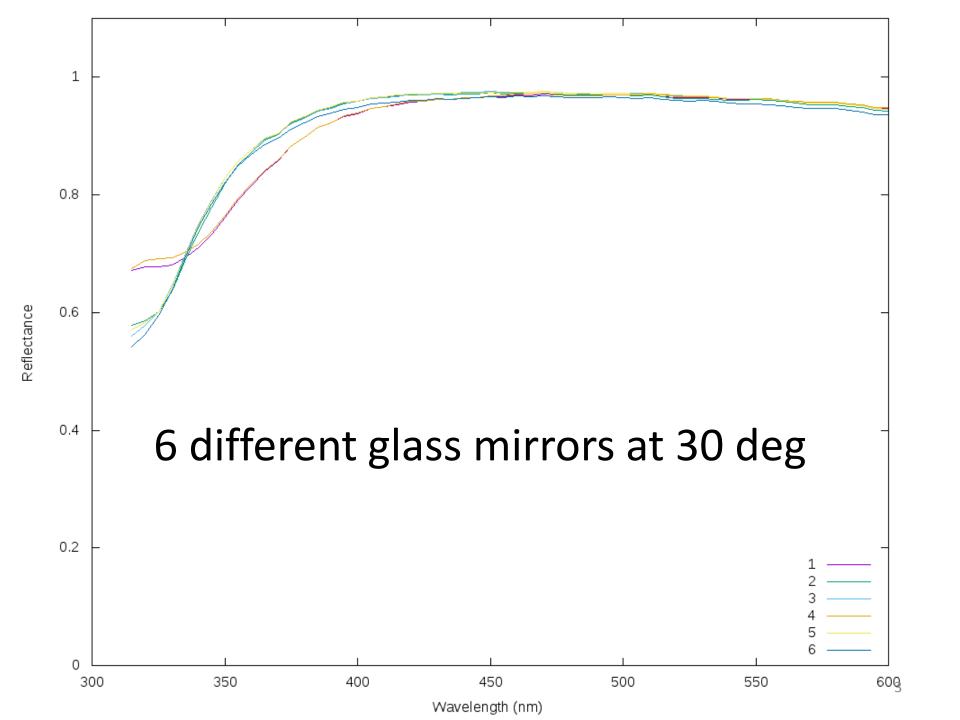
Mirror Reflectivity Results

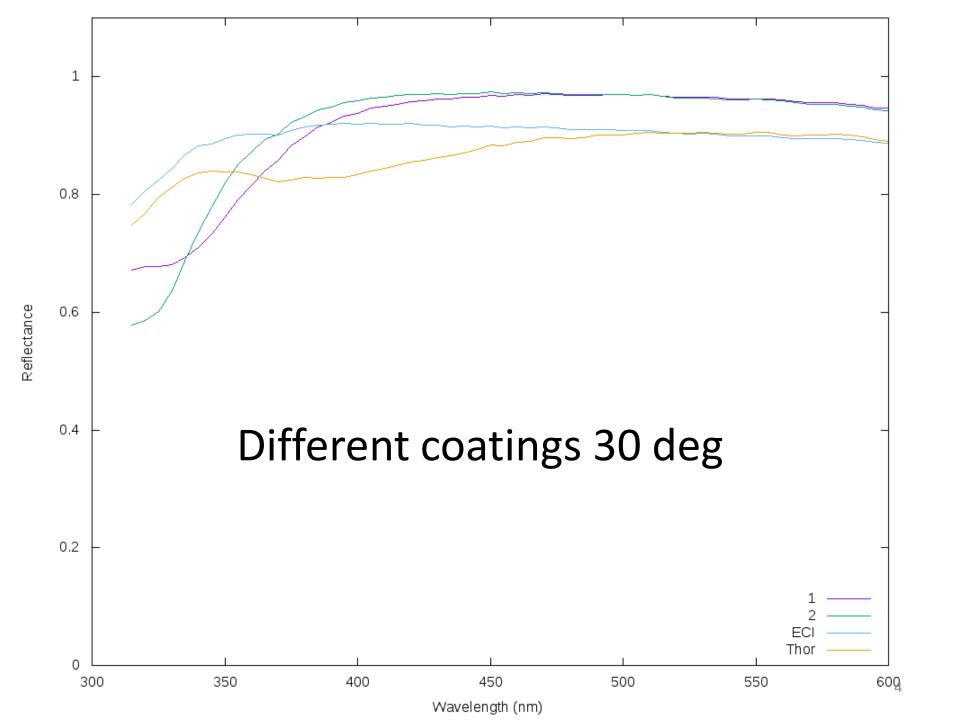
Process

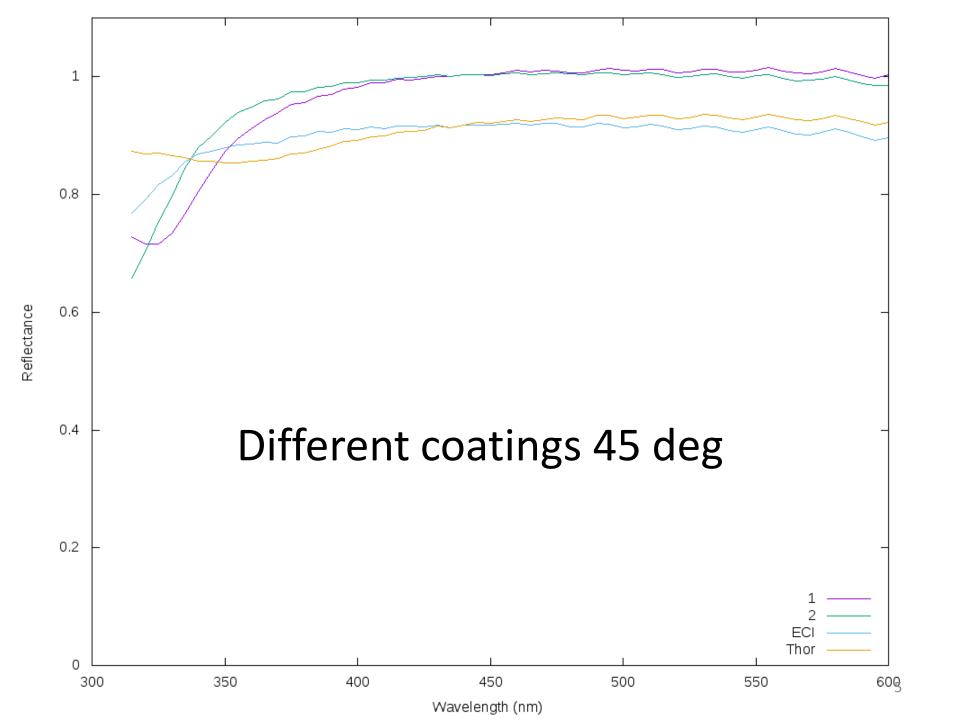
- Measure light directly into integrating sphere
 - Do this as a control for each angle
 - Day to day drift of the DAQ, coupling, etc
- Focus light on back of sphere at angles

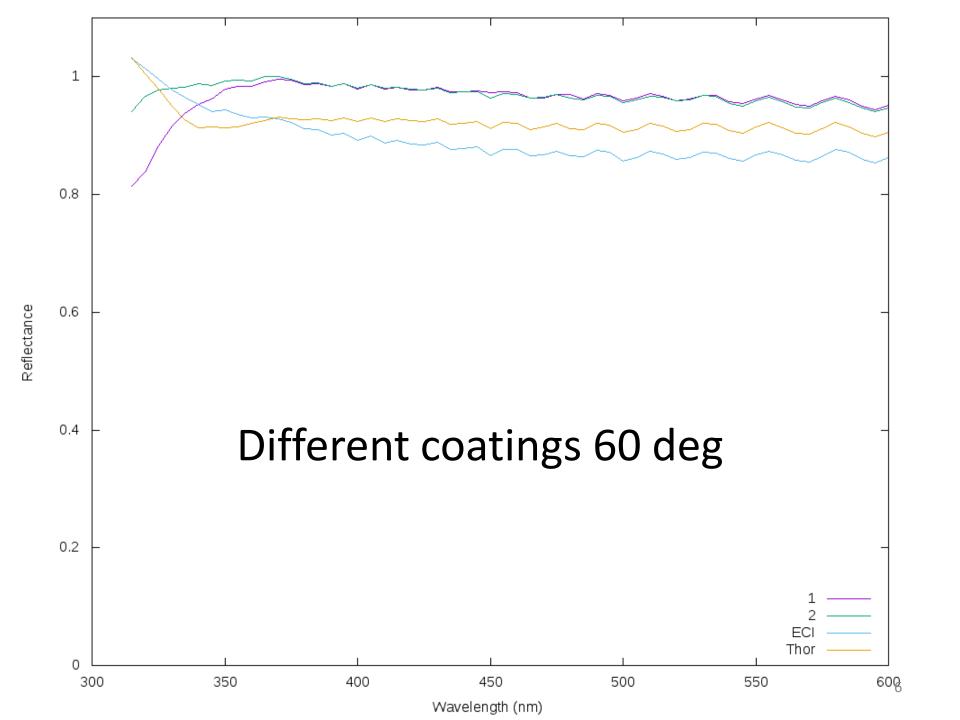
Compare DC current out of PMT

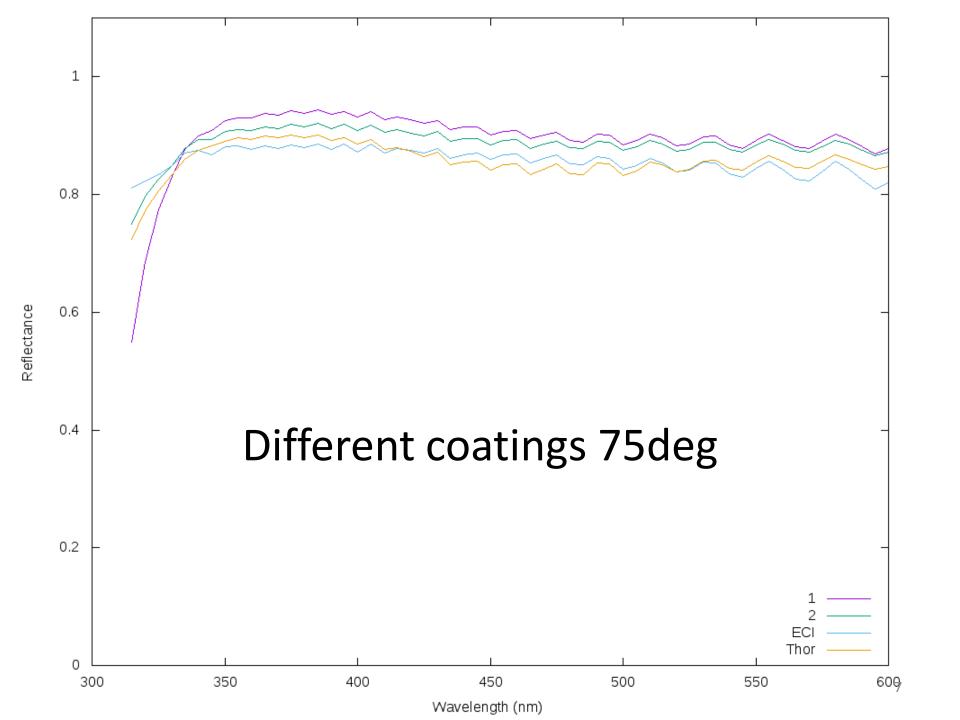






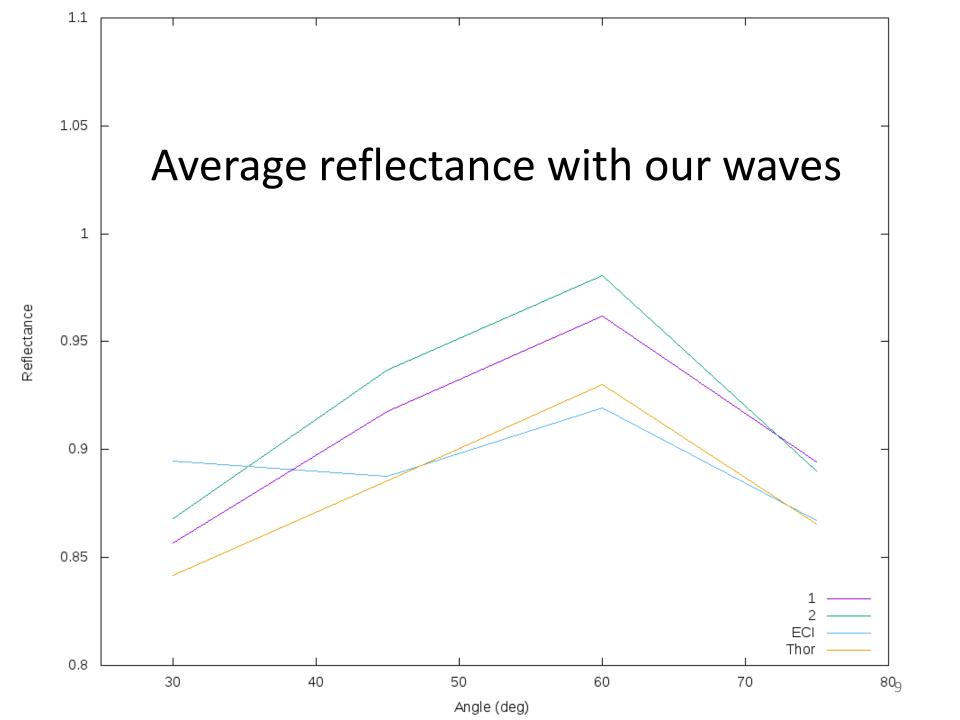




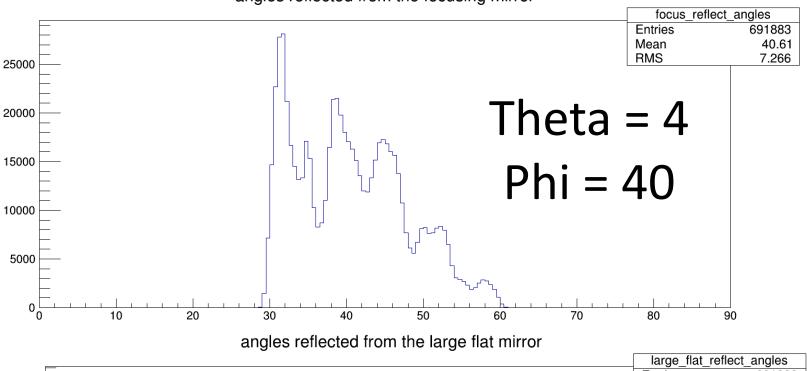


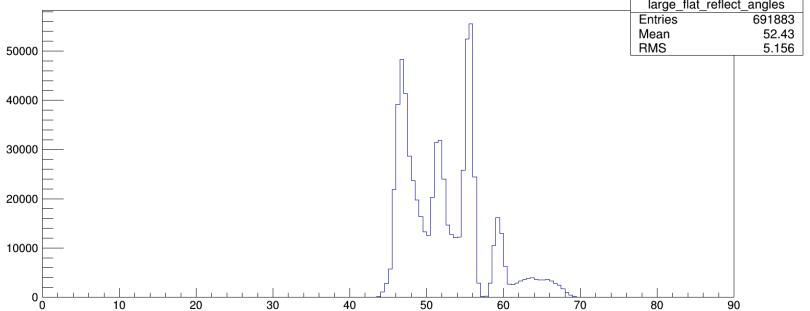
Problems

- Wiggles at high wavelengths for shallow reflections
- Over unity reflectance at 60 deg
- I suspect both of these are related to overtones from the monochromator that show up at strange angles, am still investigating this

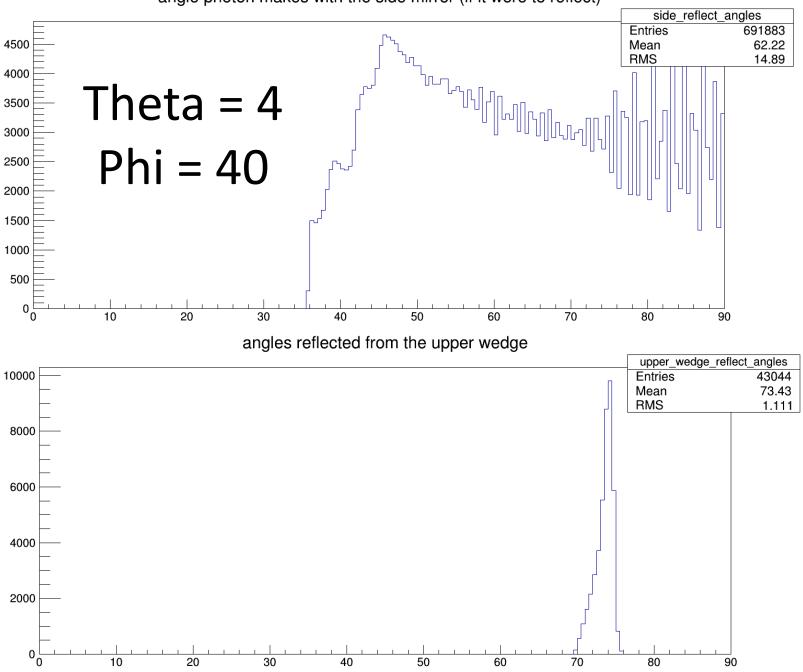


angles reflected from the focusing mirror

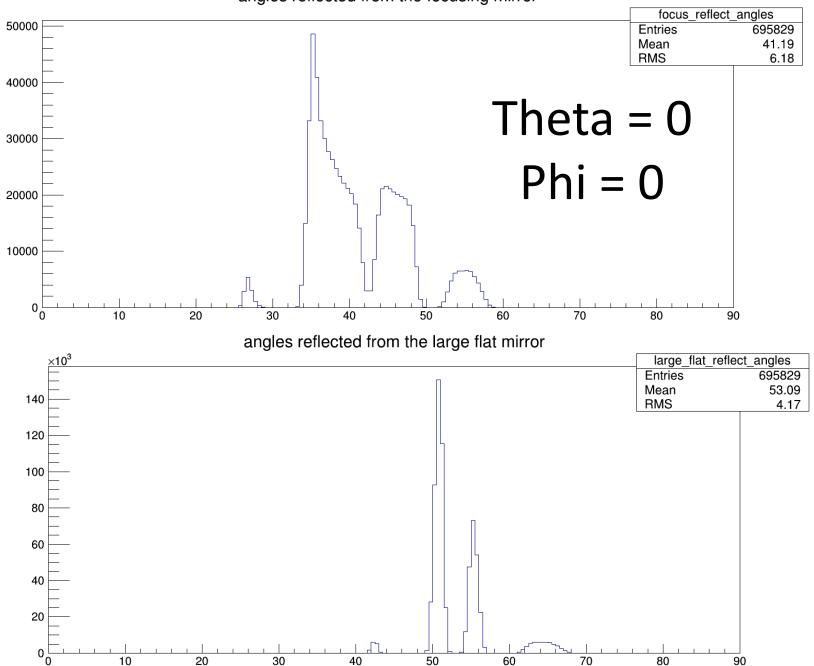


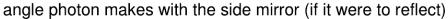


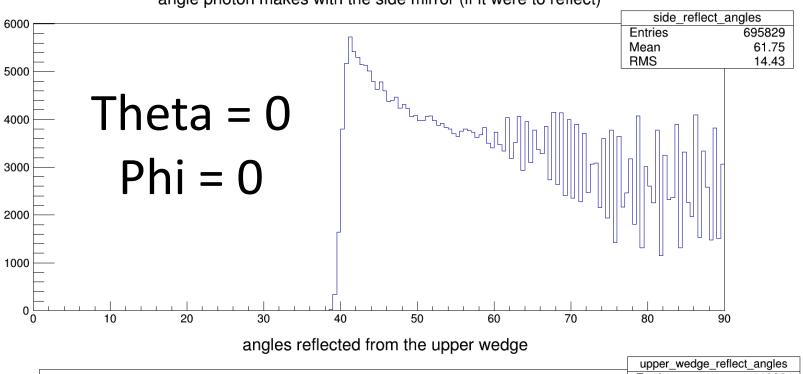
angle photon makes with the side mirror (if it were to reflect)

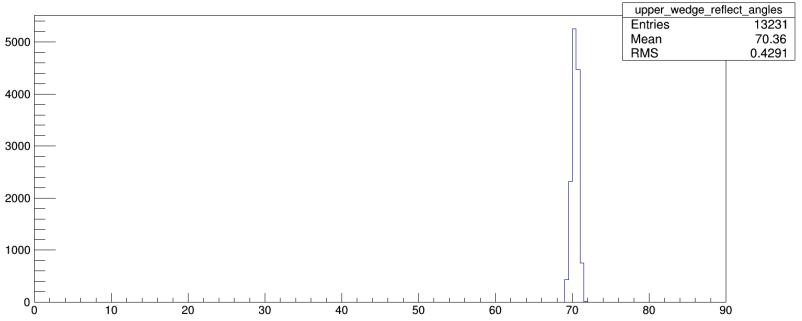


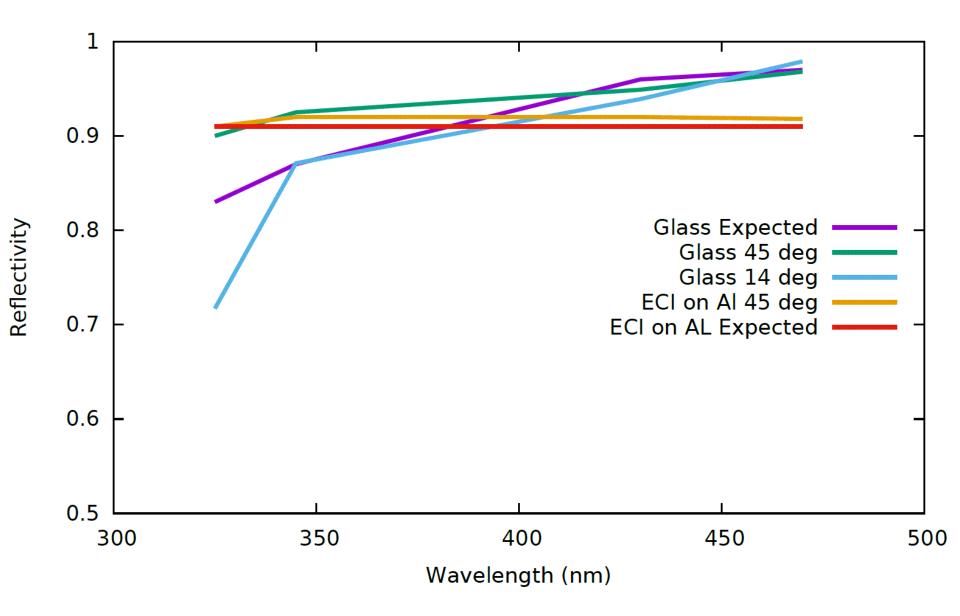
angles reflected from the focusing mirror

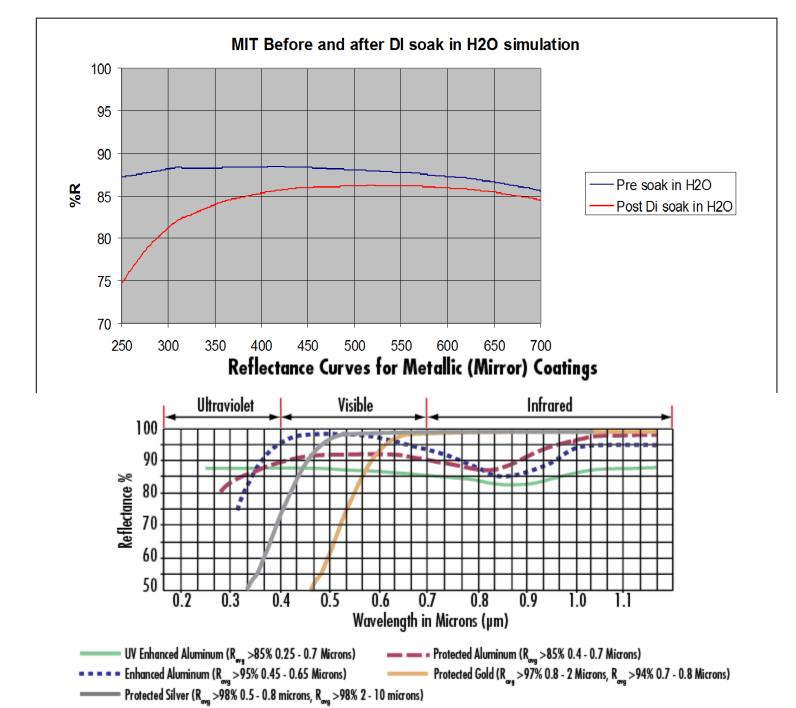












UV-Enhanced Aluminum Coating, 45° AOI (UV to Near-IR Wavelengths Shown)

