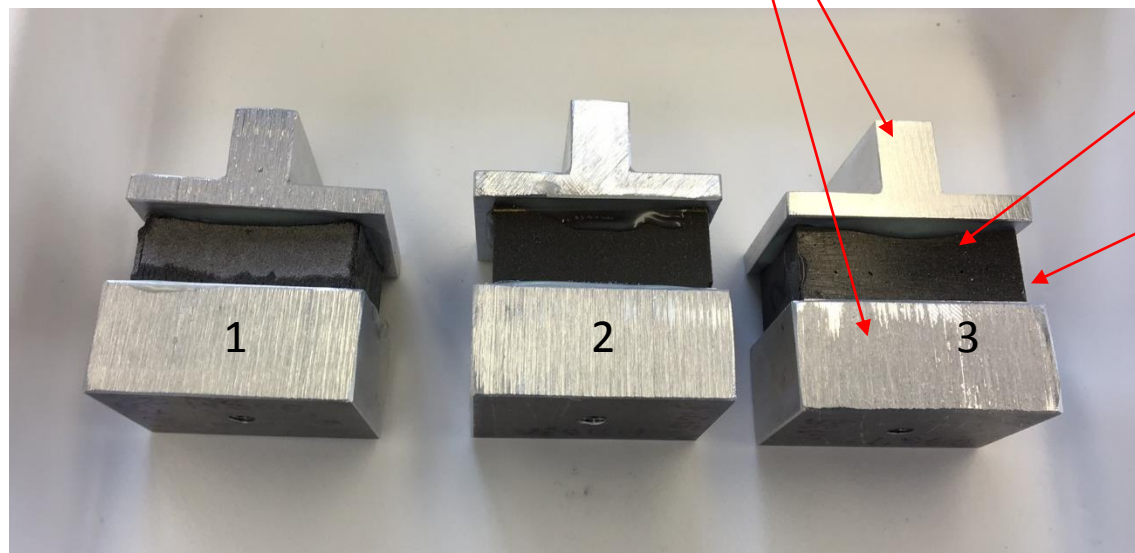


Tensile test of Optical Epoxy bond between polished Al end reflector and end-cut W/fiber/epoxy absorber block

Fixture maximum: 500lbs

Epoxies will be fully cured and ready for testing 5/24

Sample mount/holder



W/fiber absorber

Polished Al surface



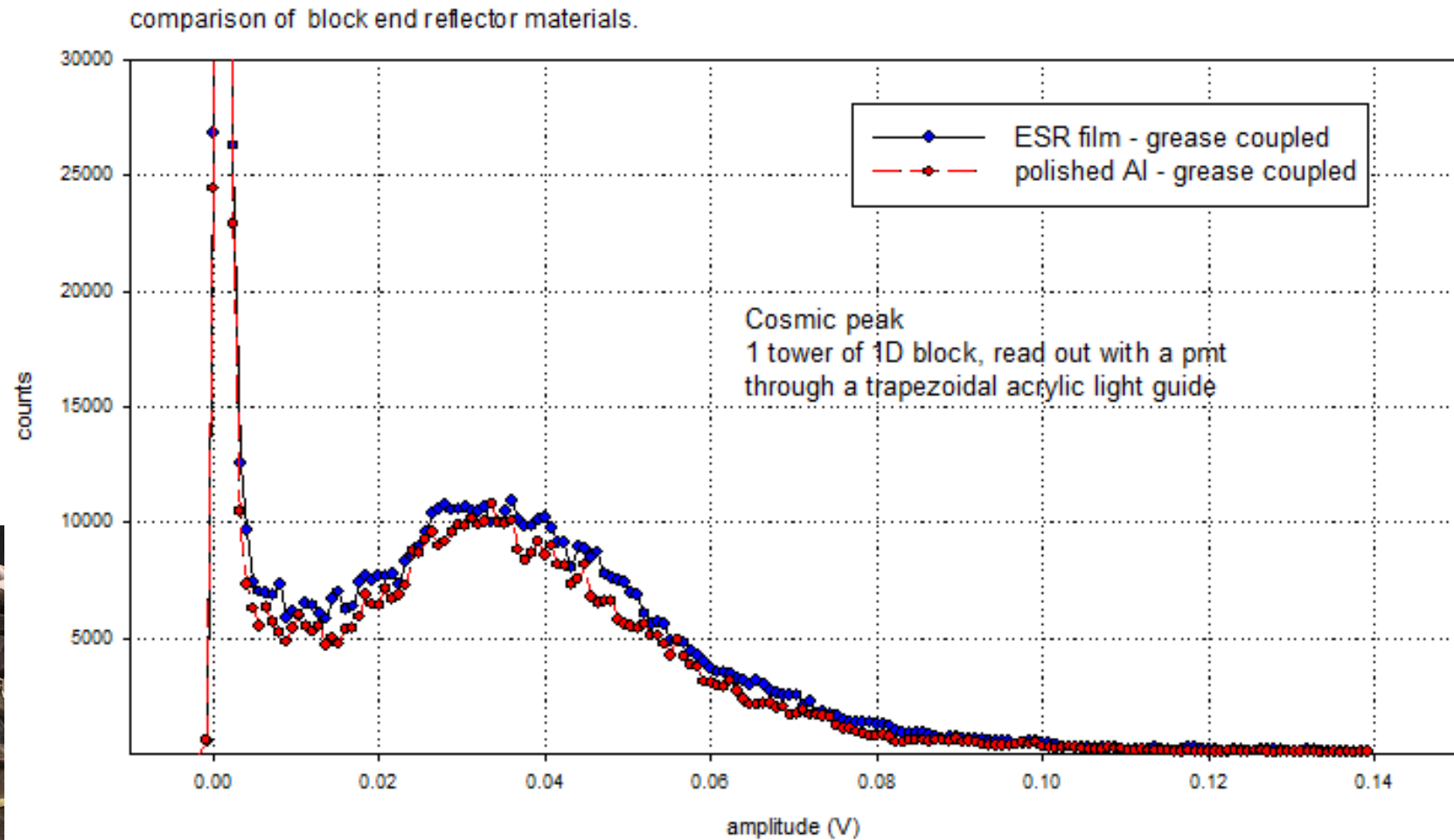
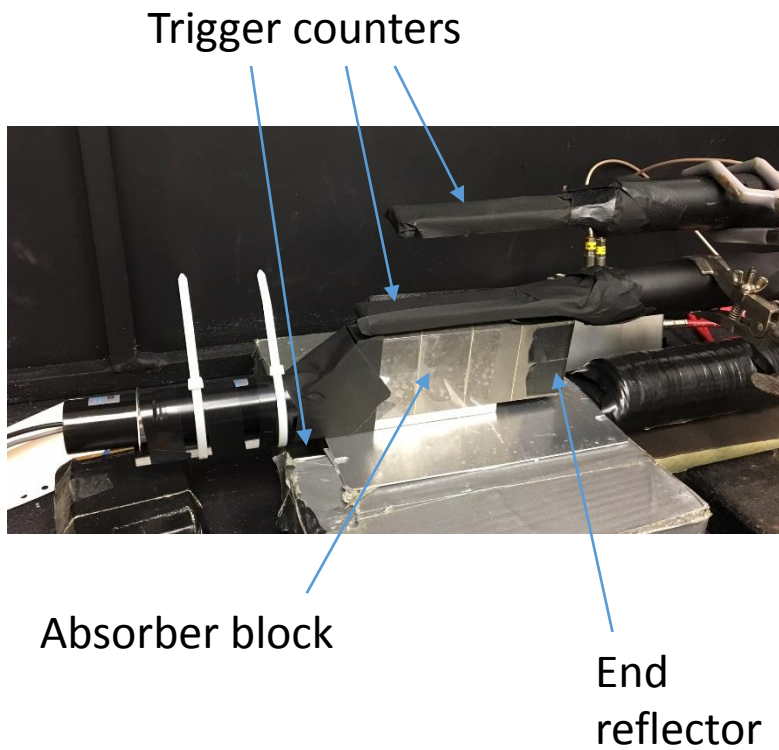
Test Results – updated 5/24/2017



sample #	bond surface			applied	
	L (in)	W (in)	area (in ²)	force (lbs)	force/area (psi)
1	1.015	1.503	1.526	500	328
2	1.035	1.560	1.615	500	310
3	1.025	1.500	1.538	500	325
avg					321

All samples held to setup maximum 500 lbs. (321 psi)

- Try smaller area samples?
- Or higher capacity load cell?



No significant difference between light collection with polished Al vs ESR end reflector

EMCal mockup for cabling/cooling/assembly

- Dan printed parts for 3D mockup
Some clean-up and assembly still required
- Steve ordered some additional blank Daughterboard pcbs

