

Laser Ranging – Ground System

- **Progress**
 - Still awaiting delivery of wavemeter to make definitive wavelength measurement of the two LR lasers. Hopefully the primary laser can be moved to SLR2000 at the end of May.
 - Still working drive problems with radar. Hopefully can resolve this and get radar working at SLR2000 by end of May. Satellite tracking attempts with LRO laser have slipped to June.
 - CDR for LRO laser beam expander (to allow changing the beam divergence) successfully completed at SigmaSpace. Delivery expected late July.
 - New SLR2000 scheduling software (with LRO added) is ready for testing with FDF generated CPFs.
 - Visual testing of SLR CPFs (tracking sunlit earth orbiting satellites) is underway.
 - Dave Rowlands, FDF and others met last week to define testing requirements for LRO CPFs. We requested special test data from FDF for specific fixed lunar targets (this summer) as well as LRO like orbits – awaiting response if they can do. We owe them better definition of what will be in CRD.
 - Testing of LRO-LR software changes at SLR2000 is underway this week. This is simulation testing only. Most of tests have been completed and have passed.
- **Issues & Risks** – none