Laser Ranging – Ground System

• Progress
  – New wavemeter due late June. Expect to move the primary laser to SLR2000 at the end of June.
  – LRO laser beam expander is being worked and delivery is 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 satellites) is in progress.
  – Dave Rowlands and Randy Ricklefs did some preliminary testing of predictions generated by Dave. Results looked good.
  – We are working on defining for FDF which CRD records will be used for LRO.
  – Simulation testing of LRO-LR software changes at SLR2000 was successfully completed the week of May 7th. Next testing will be using earth orbiting satellites.

• Issues & Risks
  – MLA-Earthlink experiment is scheduled for week of June 17th at 48” telescope. Most of our manpower will be spent on that work from now through late June.