



Session Summary Report (1 of 2)

1. Session Name : Retroreflectors (2) and CoM – Session 11
2. Chairs : John Degnan & Scott Wetzel
3. Summary
 - ❑ 6 presentations in a session showing new corner cube and retroreflector array testing and analysis for Earth Orbiting and Lunar environments.
 - ❑ Wilkinson discussed methods for looking at array performance both from the ground and on orbit. Herstmonceux using tracking performance to understand array performance.
 - ❑ Boni discussed continuing efforts at the SCF to understand thermal effects on arrays from ground based real world testing.
 - ❑ Currie reported on efforts for the new lunar cube and mounting / deployment configuration
 - ❑ Varghese is revisiting pre-launch LAGEOS testing data to improve ranging accuracies.
 - ❑ Appleby discussed CoM corrections for LAGEOS, Etalon and Ajasi analysis continuing to show that single photon detection gives best CoM even with larger scatter.



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Summary continued

- ❑ Otsubo provided a preliminary status of CoM corrections for Starlette, Stella and LARES.

- ❑ We have seen new ways of looking at old data with a new eye, on orbit performance and new testing and analysis during design, and providing new and/or improved models for the geodetic targets, all designed to bring us closer to ILRS mm goals.

- ❑ Actions for the future
 - Continue with analysis of a large amount of new data to improve our understanding of array performance before launch and using post launch data to improve modeling.
 - Work toward delivery of the CoM corrections for Starlette, Stella and LARES .