



Session Summary Report (1 of 2)

1. Session Name : Retroreflectors (1) – Session 10
2. Chairs : Jan McGarry & Linda Thomas
3. Summary
 - ❑ 6 presentations
 - ❑ Much work is being done in area of cubes & arrays and the interaction of the ground stations with the cubes/arrays.
 - Analysis:
 - Arnold on LARES satellite
 - Cantone on SCF analysis
 - Degnan on range differences between single & multi-photon systems
 - Testing – Cantone on SCF and ETRUSCO2
 - Design & development:
 - Sokolov on RRA for GLONASS
 - Cantone on GRA for GNSS
 - Thomas on GPS array
 - Araki on lunar cube



Session Summary Report (2 of 2)

Summary continued

□ Current issues

- Need for increased cross section for GNSS satellites. Potential solutions:
 - Sokolov RRA for GLONASS
 - Cantone GRA for GNSS
 - Thomas GPS array
- Need for increased measurement accuracy. Potential paths to a solution :
 - Soklov RRA for GLONASS
 - Araki lunar cube
- Need for detailed characterization:
 - SCF providing this now with improvements continuing

□ Issues which require further investigation

- Degnan's analysis showed potential for biases in multi-photon systems based on return signal strength. This will be investigated further at NASA using MOB LAS system data.