

Notes from the LRO-LR Splinter Meeting
Grasse, France
September 27, 2007

We met to brief the interested stations and to discuss issues of participations.

Stations preparing to participate: Texas, Zimmerwald (using laser installed in late 2007 in synchronous or asynchronous mode), and Matera

Stations giving serious consideration: Herstmonceux (using present system at 10 – 13 Hz), Stromlo (at submultiples of 60 Hz.), Grasse, Wettzell

Stations thinking about it: S. Africa (if a proper timer can be provided), and Koganei.

Points and issues that were made during the meeting:

1. The project will formally request station participation;
2. Stations must be vetted and approved by the project prior to participation; payload safety is of primary concern;
3. Approval will come with a letter of acceptance that addresses the liability/damage issue;
4. The project will schedule station operations; some program for scheduling needs to be implemented allowing stations to “sign up”. Stations must not range to LRO during any period that they weren’t scheduled;
5. Although operations could support multiple stations operations, initially only one station at a time will be scheduled with a “backup” station;
6. Stations should track a full transit (about one hour) at a time and should commit for several transits a month. Ranging to LRO is most important the first 3 to 4 months of the mission;
7. Interference (and risk) from Lunar Ranging must be recognized, reviewed and addressed if necessary through ILRS;
8. The one way transmit-side calibration technique must be defined ;
9. The stations would like active feedback rather than just web based reports.
10. Some regularly scheduled interaction between the participating stations and LRO should take place during the next year.

It was suggested that some cooperation with the T2L2 experiment might be beneficial.