Mission Working Group Meeting Report To GB
Vienna, Austria 12:00-13:30 April 25, 2005
by H.Kunimori,

1 Participants:
Hiroo Kunimori NICT
Mike Pearlman CfA
Carey Noll NASA GSFC
Wener Gurtner AIUB
Scott Wetzel NASA-GSFC HTSI
Julie Horvath NASA-GSFC HTSI
David Carter NASA-GSFC
Peter Shelus UT/CSR
Ron Noomen DEOS
Ulrich Schriber FESG-TUM
Matt Wilkinson NERC SGC
Graham Appleby NERC SGC
David E Smith NASA/GSFC
Martin Zwber MIT
John C. Rie UT/CSR
Ramesh Govind Geoscience Australia

1 Events and Action items since San Fernando
June 2004
Cryosat mission support request reviewed and recommendation to GB and approved.
Correspondance about trasponder mission of LRO
Correspondance about GOCE mission
August -October 2004
Discussion about restricted laser tracking (Drafted)
New MWG coordinator: Hiroo Kunimori (NICT) and Deputy coordinator:
Peter Shelus (University of Texas) assigned by GB

January 2005
Galileo mission support request recommendation to GB and approved.
April 2005
Mission Request Form of ANDE arrived and
Mission Request Form of OICETS arrived.

2 Mission status updates
1) ALOS status was presented by Hiroo Kunimori.
Launch date between in September 2005.
Restricted laser tracking procedure of JAXA has been updated according to ILRS guildline. Detailed
test procedure shall be published as soon as possible towards rehacral currently scheduled in June.
The idea of qualification test such asusing saturated receiver to see just laser fire timing control and
periodically check of GO/NOGO keys were given and the letter about liability issues suggested in a
session followed by MRG about restriced laser tracking.

2) ICESAT mission status was presented by Peter Shelus.
At present 7 dedicated stations are in operation with satisfactroy results.
Safe operation by Elevation cut-off and by GO/NOGO keys.
SLR data coincident well to GPS determined orbit in a 1-2 cm level.
Medium term notification method was discussed when laser altimetry on board is off.

3) OICETS mission was presented by Hiroo Kunimori. Optical Communication experimental satellite
Launch date is in Summer 2005. Discussion on SLR role was made since requirement of POD is moderate. and the maximum use of R&RR and visible optical tracking support is to be organized further.

4) LRO mission was updated by Dave Smith. The system design with a sub-kg Laser Diode/FiberOptics package introduced. The program is not approved yet.