

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 rehaearsal currently scheduled in June.

The idea of qualification test such as using 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 satisfactory 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.