

# Missions Working Group report to ILRS General Assembly



GOCE, ESA

Friday October 17th 2008 Poznan, Poland

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# Mission support requests

- Mission sponsors fill in the ILRS web-based request forms
  - A general mission description, need for SLR, etc.;
  - detailed description of the LRA
- MWG then comments via email
  - Solicits further comments from the other WGs (Analysis, Networks, Formats);
    - this stage to be strengthened
- Final recommendation to GB

# Missions 'processed' 2007/08

- **JASON-2** – altimetry, time-transfer; 1500km
- **PROBA-2** – solar obs, GPS cal/val; 720km
- **GOCE** – gravity field; 289km
- **QZS-1** – GNSS; GEO,  $i=45^\circ$
- **SOHLA-1** – GPS cal/val, tech demo; 670km
- **LRO** – Lunar exploration, 50km Lunar orbit
- **COMPASS-M1** – GNSS
- **OICETS**, second campaign, optical nav and coms

# OICETS

- MWG tasked to request ILRS support for new tracking campaign Oct 2008 to Mar 2009
  - made positive recommendation;
- There are some time-slots when mission does not want laser tracking:
  - Laser communication experiment;
  - Details being worked out before full approval

# MWVG meetings

- Grasse, 2007;
- Poznan, 2008.
- At Poznan meeting, agreed:
  - Missions seeking support must make clear from the outset whether there will be restrictions to tracking;
  - To recommend to DFPWG that all stations be required to invoke a go/no-go flag-reading capability
  - To work with AWG to recommend stations track the ETALONS more frequently