

Report on DF&P WG Meeting, Tuesday, April 26, 2005, 10:30-12:00

1. Review of CB Activities by Carey Noll (details will be included in minutes of the DF&P WG Meeting)

She reported about

- Network Items
 - EUROLAS
 - WPTLN
 - NASA
- Data Issues
 - Data reporting
 - CDDIS modified SLR data archive structure
 - (Additional remark by Wolfgang Seemüller: EDC installed the same structure (the old structure is still available, the new structure still not complete – SLRMAIL will follow when ready))
- Operations
 - Predictions
 - Low elevation tracking
 - Developing policy for restricted tracking missions
 - Dynamic priorities
- Site Surveys
- Mission Items
- Reports
- Meetings
- Other Items
 - INDIGO (see website indigo.nasa.gov)

2. Refraction Study Group by Stefan Riepl (not attending, sent his report by email)

Two papers were published in Geophysical Research Letters with the titles

“High-accuracy zenith delay prediction at optical wavelengths”

and

“Improved Mapping Functions for Atmospheric Refraction Correction in SLR”

Further work

- anomalous dispersion phenomena (group velocity concept for wavelength near absorption lines)
- modelling of horizontal refractivity gradients by use of numerical weather prediction data

3. Prediction Format Study Group by Randy Ricklefs, reported by Peter Shelus

Successful tests with the new format have been done by MLRS (40 passes to 12 satellites) and Zimmerwald, the tests to other satellites will follow. Still open is the content of velocities, and to include the time bias functions.

4. Restricted Tracking

A short report was given by Werner Gurtner (see also later on the agenda of GB meeting)

5. Draft Agenda for Herstmonceux 2005 Laser Workshop

Two issues are proposed:

- Refraction issues (especially on dispersion)
- The new prediction format (information of the SLR station people about the new format, application, etc.)