

MIRA Millimetre Cloud Radar Workshop

14.5.-15.5.2014, room A234

Meteorologisches Institut, Theresienstr. 37, 80333 München

Wednesday, 14.5.2014

11:30-13:00: Lunch in a nearby restaurant (tell me if you plan to arrive early enough, so I can make a reservation)

13:10 – T. Zinner, B. Mayer: *Welcome, Schedule, Expectations*

Short presentations of scientific topics (including at least 15 min for discussion each)

13:20 – U. Görzdorf: *MIRA36 at Lindenberg - Experiences of ten years of operation*

14:05 – P. Seifert: *Overview on the cloud-radar-related research activities at TROPOS*

14:50 – M. Hagen: *Estimation of vertical air motion under special operation of MIRA36*

15:00 – *Coffee break, Rooftop tour of MIM*

15:30 – A. Myagkov: *Utilization of the covariance matrix in cloud radars*

16:15 – M. Maahn: *On the use of higher moments for cloud observations & how to get the calibrated Doppler Spectrum and higher moments from the MIRA*

17:00 – *Coffee break*

17:15 – J. Handwerker: *Identifying dynamic structures using residual velocities*

18:00 – F. Ewald: *Volumetric cloud reconstruction and cloud radar sensitivity to liquid cumulus clouds.*

18:45 – K. Lamer: *Scanning ARM cloud radar data processing*

19:05 – *END*

19:15 – *Joint dinner at restaurant „Cafe Puck“, Türkenstraße 33*

Thursday, 15.5.2014

8:30 – E.Orlandi, hands on exercise. *Ed Luke's (Brookhaven) Radar Spectra Visualization Toolkit using MIRA data*

9:15 – *Coffee break*

9:30 – Discussion topics 1: *sensitivity limitations, IQ-processing, pulse pair*

11:00 – Discussion topics 2: *radar/lidar, Cloudnet, calibration*

12:00 – *Joint lunch at restaurant „Brasserie Tresznjewski“, Theresienstrasse 72*

13:30 – Discussion topics 3: *MIRA software, data formats*

ca. 15:00 – *Wrap-up: Email-list hosted at Munich, Trello web platform, next plans*

15:30 – *END*

Participants:

1. Maximilian Maahn, Universität Köln
2. Emiliano Orlandi, Universität Köln
3. Claudia Acquistapace, Universität Köln
4. Ulrich Görsdorf, DWD, Lindenberg
5. Patric Seifert, TROPOS, Leipzig
6. Alexander Myagkov, TROPOS, Leipzig
7. Matthias Bauer, METEK, Geesthacht
8. Jan Handwerker, KIT Karlsruhe
9. Uwe Siart, Technische Universität München
10. Martin Hagen, DLR Oberpfaffenhofen
11. Tobias Zinner, Universität München
12. Florian Ewald, Universität München
13. Tobias Kölling, Universität München
14. Katia Lamer, McGill University
15. Bernhard Mayer, Universität München
16. Linda Forster, Universität München
17. Pilar Gumà-Claramunt, CNR Potenza