Programme

Tuesday afternoon, 25 November 2008, 1500 hrs – ca. 1900 hrs

1500-1520 — Introduction
   • 1500 — Aims of the Workshop, Martin C.E. Huber (Jungfraujoch Kommission)
   • 1510 — "The Alpine Research Station on Jungfraujoch – Origin, History and the Future", Erwin O. Flückiger (Univ. Bern, Director of the Research Station)

1520-1620 — Reports (20 minutes with 10 minutes discussion each):
   • 1520 — "Aerosol measurements in the context of the Global Atmosphere Watch Programme and several EC projects", Urs Baltensperger and Ernest Weingarten (Lab. Atm. Chem., PSI)
   • 1550 — "Stratosphere-Troposphere Exchange", Valentin Simeonov, Hubert van den Bergh, Marcel Bartlomé and Bertrand Calpini (EPFL- Faculté Environnement Naturel, Architectural et Construit/Laboratory for Air and Soil Pollution, EPFL)

1620-1640 — Coffee break

1640-1840 — Reports
   • 1640 — "Overview of existing high-level data products derived from high-resolution Fourier-Transform Infra-Red spectra recorded at the Jungfraujoch station, typical results and their valorisation", Emmanuel Mahieu (GIRPAS)
   • 1710 — "Contributions to the exploitation of Fourier-Transform Infra-Red observations at the Jungfraujoch: recent work on O₃ and CO, and future research directions", Martine De Mazière et al. (Institute of Space Aeronomy, Brussels)
   • 1740 — "Water vapour retrievals from Jungfraujoch spectra: valorisation of early observations for multi-decadal trend determinations", Philippe Demoulin (Université de Liège, Institut d’Astrophysique et de Géophysique, Groupe InfraRouge de Physique Atmosphérique et Solaire (GIRPAS))
   • 1810 — "Long-term monitoring of stratospheric composition by ultraviolet-visible spectrometry and contribution to satellite validation", François Hendrick et al., (Institute of Space Aeronomy, Brussels) [presented by Michel Van Roozendael]

1840-1850 — Summary of First Day:
   • 1840 — "First tentative conclusions following the reports of the first day", Jean-Claude Gérard (Laboratoire de Physique Atmosphérique et Planétaire, Institut d’Astrophysique et Géophysique, Université de Liège)
Wednesday, 26 November 2008, 0900 hrs – ca.1630 hrs

0900-0915 — Introduction:
- 0900 — "The Original Atmospheric Aims of the Liège Measurements of the Solar Spectrum at High Resolution", Ginette Roland (Université de Liège)

0915-1015 — Reports (20 minutes with 10 minutes discussion each):
- 0915 — "Instrumental developments in the frame of harsh environmental conditions remote-controlled Fourier-Transform Spectroscopy", Christian Servais (GIRPAS)
- 0945 — "Multi-spectra multi-windows retrievals from ground-based Fourier-Transform Infra-Red spectra: application to carbonyl fluoride (COF₂)", Pierre Duchatelet (GIRPAS)

1015-1035 — Coffee break

1035-1100 — General Discussion: "Spawning the Atmosphere Measurements of Jungfraujoch"

1100-1230 — Reports (20 minutes with 10 minutes discussion each):
- 1100 — "On the potential of the new Multi-Axis Differential Optical Absorption Spectroscopy (MAXDOAS) technique for the monitoring of tropospheric composition at the Jungfraujoch", Michel Van Roozendael et al. (Institute of Space Aeronomy, Brussels)
- 1130 — "What can we learn from combined CO₂ and O₂ measurements at Jungfraujoch?", Markus Leuenberger, Physikalisches Institut, Klima- und Umweltpfysik, University of Bern)
- 1200 — "Air pollution measurements at Jungfraujoch: from determination of trends to European source estimation", Brigitte Buchmann and Stefan Reimann (Air Pollution/Env. Technol., EMPA)

1230-1330 — Lunch break

1330-1530 — Reports (20 minutes with 10 minutes discussion each):
- 1330 — "Trace gas measurements at Jungfraujoch to study intercontinental air pollutant transport and tropospheric ozone trends", Johannes Stähelin and Thomas Peter (Inst. Atm. & Climate, ETHZ)
- 1400 — "Long-term air pollution records retrieved from Alpine ice cores", Heinz Gäggeler and Anja Eichler (PSI, Lab. f. Radiochem. & Environmental Chem.)
- 1430 — "Ice nuclei measurements in the context of the Global Atmosphere Watch Programme and several EC projects", Olaf Stetzer, Ulrike Lohmann and Berko Sierau (ETHZ, Inst. Atm. & Climate)
- 1500 — "Overview on activities in the frame of the Network for the Detection of Atmospheric Composition Change (NDACC) Primary Site Station Bern that belongs (for NDACC) to Jungfraujoch", Niklaus Kämpfer (Inst. Appl. Phys. Univ. Bern)

1530-1620 — Reports (17 minutes with 8 minutes discussion each):
- 1530 — "Comparing aerosol optical depth (AOD) observations at Jungfraujoch with those of lower altitude stations", Laurent Vuilleumier (Federal Office of Meteorology and Climatology, MeteoSwiss)
- 1555 — "Long records of weather measurements at Jungfraujoch and their significance yesterday, today and tomorrow", Simon Scherrer (Climate Services, Federal Office of Meteorology and Climatology, MeteoSwiss)

1620- 1630 — Conclusion:
- Summary, Actions, Martin C.E. Huber (Jungfraujoch Kommission)

1630- — Farewell coffee break