Monday 26/11/12  AMphi durand (Batiment Esclangon)

9h30  Welcome

The Sun
Convener: T. Dudok de Wit

9h45-10h15  N. Krivova (MPI, Lindau) “Models and reconstructions of solar spectral irradiance”

10h15-10h45  G. Cessateur (PMOD, Davos) “Solar Spectral Irradiance: past, present and future Observations”

10h45-11h15  Break

11h15-11h45  G. Thuiller (LATMOS, Paris) “Comparison of Different Solar Spectral Irradiance Reconstructions”

11h45-12h00  S. Melo (CSA, Quebec) “Evaluating the impact of using different SSI reconstructions to calculate atmospheric solar heating rates as a function of altitude”

12h00-12h15  C. Muller (BISA, Brussels) “Solar irradiance measured from space: possible perturbing elements, mitigation and quality control procedures”

12h15-12h45  Discussion

12h45-14h15  Lunch at restaurant l’Ardoise (Université Pierre et Marie Curie)

From the surface to the upper atmosphere
Conveners: S. Bekki, P. Keckhut, A. Hauchecorne

14h15-14h45  F. Lott (LMD, Paris) “Gravity Wave parameterizations in the LMDz-GCM”

14h45-15h00  T. Onishi (LATMOS, Paris) “Simultaneous observations of daytime MSTIDs by DEMETER satellite and GPS-TEC”

15h00-15h15  S. Melo (CSA, Quebec) ‘Using airglow as a tool to evaluate atmospheric numerical models performance: results from the extended CMAM’

15h15-15h45  Break

15h45-16h15  U. Berger (Leibniz Institute of Atmospheric Physics, Kühlungsborn) “Solar cycle and long-term trends in the middle atmosphere effected by tropo-/stratospheric conditions”

16h15-16h45  A. Hauchecorne (LATMOS, Paris) “Dynamics and chemical variability of the mesosphere: Internal causes and role of solar forcing”

16h45-17h15  Discussion

17h15  End of first day

17h30-19h15  Welcome drink
From the surface to the upper atmosphere (cnt’d)
Conveners: S. Bekki, P. Keckhut, A. Hauchecorne

9h00-9h30  E. Rozanov (PMOD, Davos) “Solar influence on the temperature in the lower tropical stratosphere”

9h30-10h00  H. Schmidt (MPI, Hamburg) “Solar-cycle signals in ECHAM-based models from the ocean to the mesosphere”

10h00-10h30  D. Marsh (NCAR, Boulder) "Adding Aeronomy to a high-top climate model: lessons learned from the development of WACCM"

10h30-11h00  Break

11h00-11h30  M. Lopez-Puertas (IAA, Granada) "Non-LTE IR energy budget in the middle/upper atmosphere: Status and implementation in GCMs"

11h30-11h45  J. Manners (UKMO) “Vertical extension of UKMO model”

11h45-12h00  H. Schmidt (MPI, Hamburg) “HAMMONIA”

12h00-12h30  Discussion

12h30-14h00  Lunch at restaurant l’Ardoise (Université Pierre et Marie Curie)

14h00-14h30  F. Forget (LMD, Paris) “Extending a Global Climate Model to the thermosphere and ionosphere: the case of the LMD Mars GCM”

14h30-14h45  A. Vlasov (KIT, Karlsruhe) “Coupling the thermosphere and the middle-atmosphere: the first experiences with EMAC-CMAT”

14h45-15h15  Break

15h15-15h45  I. Usoskin (Univ. Oulu) “Atmospheric ionization by cosmic rays: How to choose a proper model?”

15h45-16h15  A. Marchaudon (IRAP, Toulouse) “A new interhemispheric model of ionosphere”

16h15-16h30  J.Y. Chafray (LATMOS, Paris) “3D Model of the Martian Ionospheric dynamics”

16h30-17h00  Discussion

17h00  End of second day
Particle Precipitation and chemistry
Conveners: M. Marchand, F. Lefèvre

9h00-9h30 A. Seppälä (FMI, Helsinki) "Solar influence on the atmosphere through Energetic Particle Precipitation."

9h30-10h00 K. Semeniuk (York University, Ontario) "Simulating effects of galactic cosmic rays, solar proton events and high energy electron precipitation in the Canadian Middle Atmosphere Model"

10h00-10h30 Break

10h30-11h00 M. Sinnhuber (KIT, Karlsruhe) "Impact of energetic particle precipitation on the chemical composition of the middle atmosphere: results from global models and comparison to observations"

11h00-11h30 P. Verronen (FMI, Helsinki) "Ion chemistry affecting the minor neutral composition in the middle atmosphere"

11h30-11h45 B. Funke (IAA, Granada) “Stratospheric EPP-NO\textsubscript{y} deposition during 2002-2012 as seen by MIPAS-Envisat: Contribution to the global NOy budget and implications for atmospheric modeling"

11h45-12h00 H. Nieder (KIT, Karlsruhe) “NO\textsubscript{x} production due to energetic particle precipitation in the MLT region – results from an ion-chemistry model"

12h00-12h30 Discussion

12h30-14h00 Lunch at restaurant l’Ardoise (Université Pierre et Marie Curie)

14h00-14h15 T. Reddmann (KIT, Karslruhe) “Transport of NO\textsubscript{x} from the lower Thermosphere into the middle Atmosphere in the KASIMA Model“

14h15-14h30 P. E. Sheese et al. (University of Toronto) “Antarctic night NO densities in the MLT: Odin, ACE, and WACCM”

14h30-14h45 N. Kilifarska (NIG, Sofia) “Ozone and ion chemistry of the lower stratosphere initiated by Galactic Cosmic Rays”

14h45-15h00 F. Duruisseau (LPC2E, Orléans) “One-dimensional numerical modeling of blue-jet and its impact on stratospheric chemistry"

15h00-15h30 Discussion

15h30 End of the meeting