SPARC Data assimilation sessions at MOCA-09 (IAMAS)
Updated: July 14, 2009

Tuesday July 21: Session M01 (Middle Atmosphere) Room 524ab

1330-1400 Saroja Polavarapu CANADA (invited)
Data Assimilation for Climate Applications
1400-1415 Gloria Manney USA
Studies of Stratopause Structure, Evolution and Transport from Satellite Data and New
Assimilation Products
1415-1430 David Jackson UK
Ozone Assimilation in the UK Met Office Model
1430-1445 Yulia Nezlin CANADA
Impact of SABER Temperature Observations on Mesospheric Prediction

M01 SPARC-DA related posters (Tuesday July 21 15:00 to 16:30), just after the M01 SPARC-DA
subsession.

Martin Keller CANADA
The Impact of Mesospheric Observations on the 2-Day Wave in a Middle Atmosphere Data
Assimilation System

Friday July 24: (SPARC-Data Assimilation Meeting) Room 520F

0830-0900 Mark Rodwell ECMWF UK (Invited)
Using data assimilation to improve climate models - troposphere
0900-0930 Manuel Pulido U Toronto and Argentina (Invited)
Using data assimilation to improve climate models - stratosphere
0930-0950 Overview of SPARC-DA - Saroja Polavarapu

1000-1030 Coffee break

1030-1100 Craig Bishop NRL USA (Invited)
Probabalistic monthly, seasonal and climate prediction
1100-1200 Open Discussion (Update on SPARC IPY project, science issues and needs of SPARC-DA,
future of SPARC-DA, next meeting in Exeter in 2010)

Friday July 24: Session J21 (Data Assimilation) Room 520b

1330-1400 Saroja Polavarapu CANADA (invited)
Overview of Recent Progress in Stratospheric and Mesospheric Data Assimilation
1400-1415
1415-1430 Ivanka Stajner USA
Spatial and Temporal Resolution of Assimilated Ozone Data
1430-1445 Jean deGrandpre CANADA
Analyses and Medium Range Forecast of Middle Atmosphere Consituents using a Coupled
Chemistry-Dynamics Data Assimilation System.
1445-1500 Valery Yudin USA

Aspects of Resolution-Dependent Analysis in Chemical Data Assimilation

1500-1630 Coffee break and posters including **SPARC-DA related posters**

1630-1700 Hendrik Elbern GERMANY (Invited)
Emission Rate and Chemical State Estimation by 4-Dimensional Variational Inversion
1700-1715 William Lahoz NORWAY
Data Assimilation: A Tool for Evaluating Chemistry Models
1715-1730
1730-1745 Kazayuki Miyazaki JAPAN
Performance of Local Ensemble Transform Kalman Filter Data Assimilation System on Analysis
of Long-lived Tracer Distributions in the Troposphere and Stratosphere
1745-1800 Jean-Jacques Morcrette UK
GEMS-Aerosol at ECMWF: Results from Aerosol Analysis and Forecast

J21 SPARC-DA related posters (Friday July 24 15:00 to 16:30)

Manuel Pulido CANADA
Parameter Estimation for Gravity Wave Schemes Using a Genetic Algorithm
Yan Yang CANADA
Impact of Interaction between Assimilated and Non-Assimilated Constituents - Assimilation
Experiments with MIPAS Measurements
Makoto Dueshi JAPAN
Development of an MRI Chemistry-climate Model Coupled with Data Assimilation System for
Ozone Forecasts
Heiner Kornich SWEDEN
ADM-Aeolus vertical sampling strategy for stratospheric wind analysis
Thomas Milewski CANADA
Testing Ensemble-based Chemical-Dynamical Data Assimilation in the Stratosphere