

# Timetable

ECMWF/SPARC Workshop on Modelling and Assimilation for the Stratosphere and Tropopause, 23 to 26 June 2003



## Monday 23 June 2003

09.15-09.30	Registration	
09.30-09.40	A. Hollingsworth	Welcome and introduction
09.40-10.15	A. Simmons (ECMWF)	Representation of the stratosphere in ECMWF operations and ERA-40
10.20-10.40	<i>Coffee/Tea</i>	
10.40-11.15	A. O'Neill (SPARC)	Scientific objectives of SPARC and the value of data assimilation

### Processes

11.20-11.55	J.-J. Morcrette (ECMWF)	Recent radiative developments with impact on the stratosphere of the ECMWF model
12.00-12.35	T. Shepherd (Toronto, Canada)	Issues for stratospheric modelling and assimilation
12.40-13.45	<i>Lunch</i>	
13.45-14.20	H. Wernli (ETH Zurich, Switzerland)	Cross tropopause transport: processes and quantification based upon ECMWF analyses
14.25-15.00	T. Peter (ETH Zurich, Switzerland)	Cirrus clouds: observations, process modelling, parametrizations
15.05-15.25	<i>Coffee/Tea</i>	
15.25-16.00	D. Fonteyn (Belgium)	Stratospheric chemistry and aerosols

### Observations

16.05-16.40	L.W. Thomason (NASA Langley, USA)	Space-based measurements of stratospheric aerosols
16.45-17.20	B.J. Kerridge (Rutherford-Appleton)	New techniques to sound the composition of the lower stratosphere and troposphere from space
17.25	<i>Cocktails</i>	

## Tuesday 24 June 2003

09.15-09.50	A. Dudhia (Oxford, UK)	Infrared Limb Sounding - MIPAS and HIRDLS
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### Data assimilation

09.55-10.30	T. McNally (ECMWF)	The assimilation of stratospheric satellite data at ECMWF
10.35-10.55	<i>Coffee/Tea</i>	
10.55-11.30	A. Dethof (ECMWF)	Representation of ozone in the ECMWF model
11.35-12.10	W. Lahoz (DARC, Reading, UK)	Some challenges in assimilation of stratosphere/tropopause satellite data
12.15-12.50	R. Menard (Toronto, Canada)	Model error estimation with data assimilation
12.55-14.00	<i>Lunch</i>	
14.00-14.35	R. Swinbank (UKMO, UK)	Progress and plans for stratospheric data assimilation at the Met Office

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## Modelling

14.40-15.15	V. H. Peuch (MOCAGE, France)	Simulations and routine forecasts in the UTLS and stratosphere with the chemistry and transport model MOCAGE
15.20-15.40	<i>Coffee/Tea</i>	
15.40-16.15	S. Pawson (DAO/NASA, USA)	Meteorological and constituent assimilation using NASA's GEOS-4 system
16.20-16.55	A. Untch (ECMWF)	Recent developments in the vertical discretization of the ECMWF model impacting on the stratosphere and tropopause

## Wednesday 25 June 2003

### Modelling cont.

09.15-09.50	M. Chipperfield (Leeds, UK)	Using meteorological analyses for off-line chemical transport modelling
09.55-10.30	L. Bonaventura (MPI Hamburg, Germany)	Development of the ICON dynamical core: modelling strategies and preliminary results
10.35-10.55	<i>Coffee/Tea</i>	
10.55-11.30	G. Roff (BMRC, Australia)	Stratospheric prediction in NWP models
11.35-12.10	J. Thuburn (Reading, UK)	Some issues in isentropic-coordinate modelling and modelling the tropopause
12.15-12.30	<b>Working Group Formation</b>	
	<ul style="list-style-type: none"><li>▪ Modelling</li><li>▪ Data Assimilation</li><li>▪ Processes</li></ul>	
12.30-13.30	<i>Lunch</i>	
13.30-17.30	<b>Working Group Meetings</b>	
15.15-15.30	<i>Coffee/tea</i>	
17.30-	Informal Buffet	

## Thursday 26 June 2003

09.00-12.30	<b>Working Group Meetings (continued)</b>
10.30-10.45	<i>Coffee/Tea</i>
12.30-14.00	<i>Lunch</i>
14.00-16.00	<b>Plenary Session</b>