EGU 2009 Programme Group Schedule

${\bf AS-Atmospheric\ Sciences}$

O: Oral Presentation (Lecture Room) / P: Poster Presentation (Poster Hall) TB: 1: 8:30–10:00 / 2: 10:30–12:00 / 3: 13:30–15:00 / 4: 15:30–17:00 / 5: 17:30–19:00

Division Business Meeting: Thursday, 12:15–13:15, Room 10

AS1.1 Open Session on the Lower, Middle, and Upper Atmosphere 1	Session	Title	TB	MO	TU	WE	TH	FR
AS1.1 Dynamical Meteorology (General Session) AS1.2 Numerical Weather Prediction and Data	AS0							
AS1.1 Dynamical Meteorology (General Session) AS1.2 Dynamical Meteorology (General Session) 1						1		
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AS1.1 Dynamical Meteorology (General Session) T				O (14)	P (XY)			
AS1.2 Numerical Weather Prediction and Data	AS1 1	Dynamical Meteorology (General Session)				O (10)		
AS1.2 Numerical Weather Prediction and Data	A51.1	Dynamical Wetcorology (General Session)				O (10)		
AS1.2 Numerical Weather Prediction and Data								
AS1.2 Numerical Weather Prediction and Data 1							D (VV)	
Assimilation (General Session) 2	A C 1 O	N ' IW 4 D I' 4 ID 4					P(XY)	
AS1.3 Precipitation: Measurement, Climatology, Remote Sensing, and Modeling (General Session) 1	AS1.2							
AS1.3 Precipitation: Measurement, Climatology, Remote Sensing, and Modeling (General Session) 1		Assimilation (General Session)				O (10)		
AS1.3 Precipitation: Measurement, Climatology, Remote Sensing, and Modeling (General Session) 2						O (10)		
AS1.4 Clouds, Aerosols and Radiation (General Session)							P(XY)	
Sensing, and Modeling (General Session) 3	AS1.3	Precipitation: Measurement, Climatology, Remote					0.40	O (10)
AS1.4 Clouds, Aerosols and Radiation (General Session) AS1.5 Clouds, Aerosols and Radiation (General Session) AS1.6 Remote Sensing of Clouds and Aerosols: Techniques and Applications Techniques and Applications AS1.7 Joint Session of the MLT and the CAWSES programme AS1.8 Middle Atmosphere Dynamics - Coupling Processes, Trends and Impact on Validation Measurements AS1.9 Variability and Predictability of the Coupled Stratosphere-Troposphere system AS1.10 Structure and Composition of the Global Tropopause Region AS1.11 Structure and Composition of the Global Tropopause Region AS1.12 Dynamics and chemistry of atmospheric convection		Sensing, and Modeling (General Session)						O (10) O (10)
AS1.4 Clouds, Aerosols and Radiation (General Session) AS1.5 Aerosols-clouds-precipitation-climate AS1.6 Remote Sensing of Clouds and Aerosols: Techniques and Applications AS1.7 Joint Session of the MLT and the CAWSES programme AS1.8 Middle Atmosphere Dynamics - Coupling Processes, Trends and Impact on Validation Measurements AS1.9 Variability and Predictability of the Coupled Stratosphere-Troposphere system AS1.10 Structure and Composition of the Global Tropopause Region AS1.11 Gravity Waves AS1.12 Dynamics and chemistry of atmospheric convection AS1.10 Structure and Chapter of the Coupled Stratosphere and Composition of the Global Stratosphere and Chapter Stratosphere And Chapter Stratosphere Stra		~ · · · · · · · · · · · · · · · · · ·						P (XY)
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Processes, Trends and Impact on Validation 3						P (XY)	O (14)	
Processes, Trends and Impact on Validation 3	AS1.8							
Measurements								
AS1.9 Variability and Predictability of the Coupled Stratosphere-Troposphere system AS1.10 Structure and Composition of the Global Tropopause Region OS14/ AS1.11 Gravity Waves AS1.12 Dynamics and chemistry of atmospheric convection Structure and Predictability of the Coupled 2								
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Stratosphere-Troposphere system 2	AS1.9	Variability and Predictability of the Coupled						
AS1.10 Structure and Composition of the Global Tropopause Region OS14/ AS1.11 Gravity Waves OS14/ AS1.11 Dynamics and chemistry of atmospheric convection AS1.12 Dynamics and chemistry of atmospheric convection AS1.12 Tropopause Region AS1.10 Dynamics and chemistry of atmospheric convection AS1.10 Tropopause Region AS1.10 Dynamics and Composition of the Global 1								
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AS1.10 Structure and Composition of the Global Tropopause Region 2	A C 1 1 O	Standard Comments on a file Clabal			1 (A1)			
AS1.12 Dynamics and chemistry of atmospheric convection A	AS1.10							
OS14/ AS1.11 Gravity Waves 1 2 0 (3) 3 0 (3) 4 0 (3) 5 P (XY) AS1.12 Dynamics and chemistry of atmospheric convection 1 2 3 0 (3) 4 0 (3) 5 P (XY) 2 4 0 (3) 5 P (XY) 3 0 (3) 4 0 (3) 5 P (XY)		Tropopause Region	3					
OS14/ AS1.11 Gravity Waves 1								
AS1.11 AS1.12 Dynamics and chemistry of atmospheric convection 2 O(3)				O (10)	P(XY)			
AS1.11 AS1.12 Dynamics and chemistry of atmospheric convection 3		Gravity Waves		0.(2)				
AS1.12 Dynamics and chemistry of atmospheric convection AS1.12 Dynamics and chemistry of atmospheric convection 1								
AS1.12 Dynamics and chemistry of atmospheric convection 5 P(XY)								†
AS1.12 Dynamics and chemistry of atmospheric convection $\begin{bmatrix} 1 \\ 2 \\ 3 \end{bmatrix}$								
	AS1.12	Dynamics and chemistry of atmospheric convection						
		Dynamics and enemistry of authospheric convection						
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Session	Title	TB	MO	TU	WE	TH	FR
AS1.13	Recent Developments in Geophysical Fluid	1				O (10)	
	Dynamics	2					
	Dynamics	3 4					
		5			P (XY)		
AS1.14	African Monsoon Multidisciplinary Analysis	1					O (12)
	(AMMA)	3					O (12) O (12)
	(4					P (XY)
-		5					
AS1.15/	Seamless Approaches in Weather and Climate	2					
CL56		3					
		4					
		5		O (10)	P (XY)		
AS2.1	Air-Land Interactions (General Session)	2			O (1) O (1)		
		3			0 (1)		
		4					
1.62.2		5			O(1)	P (XY)	
AS2.2	Air-Sea Interactions (General Session)	2					
		3			O(1)		
		4					
A GO 2	D ' C 1' T 1 1 ' A 1 1 1	5			P (XY)		
AS2.3	Basic Studies on Turbulence in Atmospheric and	2					
	Oceanic Boundary Layers (General Session)	3					
		5			O (1)		
AS2.4	Davidami I assaulia III ali I atitudas. Dhasi al and	1			P (XY)		
AS2.4	Boundary Layers in High Latitudes: Physical and	2					
	Chemical Processes, Observational and Monitoring	3					
	Programs, Modeling and Analysis	5				O (1) P (XY)	
AS2.5	Patterns in Soil-Vegetation-Atmosphere Systems:	1				r (A1)	O(1)
A32.3	Monitoring, Modelling, and Data Assimilation	2					P (XY)
	Monitoring, Moderling, and Data Assimilation	3					
		5					
AS3.1	Gas Phase Composition and Reactivity	1					
7105.1	(General Session)	2					
	(General Session)	3		O(1)			
		5		O(1)	P (XY)		
AS3.2	Aerosol Chemistry and Microphysics	1		O(1)			
	(General Session)	3		O(1) O(1)			
	(Schein Bession)	4		0(1)			
1		5		P(XY)			
AS3.3	Cloud Chemistry and Microphysics	1					
	(General Session)	3					
		4					
		5		P(XY)			
AS3.4	Atmospheric composition: variability and trends	2			O (12) O (12)		
		3			O (12)		
		4			O (12)		
		5			P (XY)		
AS3.5	Vertical and Long-Range Transport of Trace Gases	2					
	and Aerosols	3					
		4		1	D (3737)	O (12)	<u> </u>
A \$2.6	Air Pollution Modelling	5			P (XY)	O (12) O (12)	
AS3.6	Air Pollution Modelling	2				O (12)	
		3			1	O (12)	
		5			P (XY)		
AS3.7	Source apportionment of air pollutants in	1			r (AI)		
A33./		2					
	atmospheric science	3	0.420	1	-		<u> </u>
		5	O (12) O (12)	P (XY)			
			- (12)	- (***)	I.	1	·

Session	Title	TB	MO	TU	WE	TH	FR
AS3.8 AS3.9	Megacities: Air Quality and Climate Impacts from	es: Air Ouality and Climate Impacts from 1 0 (12)					
	Local to Global Scales	2	O (12)			<u> </u>	
	Local to Global Scales	3	O (12)			<u> </u>	
		4	P (XY)				
		5	P (XY)				
	Atmospheric halogenated compounds and their	2					
	chemical transformations	3	O(1)				
		4	0(1)			†	
		5		P(XY)			
AS3.10	Polar Ozone	1					
7105.10	10 Polar Ozolie 2						
		3					
		4					
		5	O(1)	P(XY)		<u> </u>	
AS3.11	Molecular Hydrogen in the Atmosphere:	1	6.40				
	observations, modelling and future impact	2	O(1)			 	
	observations, moderning and rature impact	3					
		5		P (XY)		 	
1.00.10	A. I TOO I I I	1	O(1)	P(A1)			
AS3.12	Atmospheric VOC: measurements and interpretation	2	0(1)			 	
		3				†	
		4				†	
		5		P (XY)			
AS3.13	Atmospharia Ica Particles	1		Ì			
A33.13	Atmospheric Ice Particles	2				O(1)	
		3				O(1)	
		4					
		5				P(XY)	
AS3.14	Short-lived pollutants in the polar regions: Sources,	1				O(1)	
1100.11		2					
	transport, impacts	3					
		4				<u> </u>	
		5		0 (10)	P(XY)	<u> </u>	
AS3.15	Satellite observations on tropospheric composition	1		O (12)			
	and pollution, analyses with models and applications	2		O (12)		<u> </u>	
	and portation, analyses with models and apprecations	3		O (12)		 	
		5			P (XY)		
10016		1			r (A1)		
AS3.16	Satellite Remote-Sensing of Atmospheric Carbon	2				-	
	dioxide and Methane	3				†	
		4		O (12)			
		5		O (12)	P(XY)		
AS3.18	Validation of Stratoenharic Dynamics and	1					
A55.10	Validation of Stratospheric Dynamics and Chemistry Models	2					O(1)
		3					P(XY)
		4					
		5					
AS3.19	Cavity-enhanced spectroscopy in atmospheric	1				<u> </u>	
	research: from the laboratory to field measurements	2				 	
	1050arch. Irom the laboratory to field measurements	3				D. (777)	
		5		-		P (XY)	
1000		1				O (2)	
AS3.21	Mechanism reduction in models involving	2				 	
	atmospheric aerosols	3				 	
	1	4				†	
		5		P (XY)			
HS8.1/	Precipitation: from measurement to modelling and	1		. ,			
		2					
AS4.1/	application in catchment hydrology	3	O (31)				
NH1.2/		4	O (31)				
NP3.6		5	P (A)]	
						 	
HS10.1/	Ensemble hydrological forecasting: from theory to	2				 	
AS4.3/	practice	3	O (32)			+	
NP5.4	practice	4	0 (32)	†		 	
111 3.4		5	P (A)			1	
NH1 7/	Lightning and its Atmospheric Effects	1	. (.1)			 	
NH1.7/	Lightning and its Atmospheric Effects	2		Ì			
AS4.4		3					
					O (29)		

Session	Title	TB	MO	TU	WE	TH	FR
NH8.2/	Wildfires, Weather and Climate	1					
AS4.5/	,	3					
CL23		4		O (18)			
CL16/	A salian ducti initiatan mlassa and manadan of	5		P (XY)			O (28)
CL16/ AS4.6/	Aeolian dust: initiator, player, and recorder of	2					O (28)
AS4.6/ GM10.1	environmental change	3					O (28) O (28)
GW110.1		5					P (XY)
BG4.1/	Fire in the Earth System	2			P (BG)		
AS4.7		3			O (21)		-
		5			O (21)		
SM2.5/	Research and Development in Nuclear Explosion	1					O(7)
AS4.8	Monitoring	2					O(7)
A54.0	Wontoring	3					P (XY)
		5					- (/
BG1.9	Analysis and Characterization of Black Carbon in	2	O (21)				
	the Environment	3					
		5	P (BG)				
CL7	Monthly, seasonal and decadal forecasting	1		O (13)			
CL7	(including Outstanding Young Scientist Lecture)	2		O (13)			
	(including Outstanding Foung Scientist Lecture)	3		O (13)			
		5		P (XY)			
CL20	Land-climate interactions from models and	2					O (27) O (27)
	observations: Implications from past to future	3					0 (21)
	climate (co-sponsored by ILEAPS & GLASS)	5		0 (20)/			
		5		O (28)/ P (XY)			
CL41	Mid-latitude Cyclones and Storms: Diagnostics of	2	O (13)				
	Observed and Future Trends, and related Impacts	3					
		4	D (MA)				
CL44	Shifting Seasons: Phenological evidence from	5 1	P (XY)	O (14)			
CL44	observations, reconstructions, measurements and	2		O (14)			
	models (co-sponsored by PAGES & ILEAPS)	3					
	models (co-sponsored by FAGES & ILEAPS)	5		P (XY)			
CL46	Teleconnections: dynamics, predictability, impacts	2					
		3					
		5				O (28) P (XY)	
CL54/	Climate time series analysis: Novel tools and their	1				O (14)	
NP4.5	application	2				O (14)	
111 115	approduon	3					
		5				P (XY)	
CR4.2	Arctic Coastal Processes	2					
		3			O (20)		
		5			P (XY)	-	
ESSI6	Earth System Modeling: Strategies and Software	1			- ()		P (XY)
22210	2010/410	3					
		4					
HS5.15		5					O (36)
	Large-scale hydrology: understanding and predicting	2					O (32)
	hydrological variations	3					P(A)
		5				1	
HS5.16	Large-scale hydrology: modelling and assimilation	1					
	<i>C</i> ,	3				-	P (A)
		4					O (32)
		5					

HS5.17	Session	Title	TB	MO	TU	WE	TH	FR
Hydrological Behaviour			1			O (31)		
HS7.4 Remote sensing of soil moisture						O (31)		
HS7.4 Remote sensing of soil moisture								
Atmoshere, Ocean, Meteorological Instruments and ocean observatory instrumentation 1						P (A)		
Atmoshere, Ocean, Meteorological Instruments and ocean observatory instrumentation 1	HS7.4	Remote sensing of soil moisture						
GI2								
Atmoshere, Ocean, Meteorological Instruments and ocean observatory instrumentation 1								
Ocean observatory instrumentation 3								
Space Instrumentation	GI2							
Space Instrumentation		ocean observatory instrumentation	3		O(7)			
Space Instrumentation					P (YV)			
Comparison Com	GI5	Space Instrumentation			1 (211)			
A	GIS	Space instrumentation				O (7)		
Instrumentation for Polar Regions								
NH1.1 Precipitation Science			_				P(XY)	
NH1.1 Precipitation Science	GI7	Instrumentation for Polar Regions						
NH1.1 Precipitation Science 1								P (XY)
NH1.1 Precipitation Science								0 (7)
NH1.4 Extreme Events Induced by Weather and Climate Change: Evaluation, Forecasting and Proactive Planning Change: Evaluation, Forecasting and Proactive Change: Evaluation, Forecasting Change: Evaluation Change: Evaluation, Forecasting Change: Evaluation Change: E	NH1 1	Precipitation Science	_		O (6)	O (6)		0(/)
NH1.4 Extreme Events Induced by Weather and Climate Change: Evaluation, Forecasting and Proactive Planning	INIII.I	Precipitation Science				O(6)		
NH1.4 Extreme Events Induced by Weather and Climate Change: Evaluation, Forecasting and Proactive Planning								
Change: Evaluation, Forecasting and Proactive Planning						1 (21)		
Change: Evaluation, Forecasting and Proactive Planning	NH1.4	Extreme Events Induced by Weather and Climate						
NP3.2 High latitude changes in ocean, ice and climate 1		Change: Evaluation, Forecasting and Proactive		U (6)				
NP3.3 High latitude changes in ocean, ice and climate 1			4					
OS5	004	TT: 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	_	P (XY)		O (D)		
A	OS4	High latitude changes in ocean, ice and climate						
OS5 Manifestations of global climate change in the Arctic Ocean 1								
Arctic Ocean 2							P (XY)	
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OS7 Ocean Remote Sensing						0 (4)		
Ocean Remote Sensing			4			- (.)		
OS10 Southern Ocean Variability 1	007					0 (3)	P (XY)	
NP2.4 Nonlinear Low-frequency Variability in Atmosphere, Ocean and the Climate System 1	OS'/	Ocean Remote Sensing						
OS10 Southern Ocean Variability 1								
OS10 Southern Ocean Variability 1						P (XY)		
NP2.4 Nonlinear Low-frequency Variability in Atmosphere, Ocean and the Climate System NP2.5 Modelling and Understanding Geophysical Systems as Complex Networks NP3.2 Atmospheric and climate complexity over wide ranges of scale NP3.3 Scaling, subgrid models, downscaling and parameterization NP3.4 O(4) 1	OS10	Southern Ocean Variability				, , ,		
NP2.4 Nonlinear Low-frequency Variability in Atmosphere, Ocean and the Climate System NP2.5 Modelling and Understanding Geophysical Systems as Complex Networks NP3.2 Atmospheric and climate complexity over wide ranges of scale NP3.3 Scaling, subgrid models, downscaling and parameterization NP3.4 Do(4) 1								
NP2.4 Nonlinear Low-frequency Variability in Atmosphere, Ocean and the Climate System Atmosphere, Ocean and the Climate System 1			4			O (4)		
Atmosphere, Ocean and the Climate System Atmosphere, Ocean and Understanding Geophysical Systems Atmosphere,	1775					O (4)	P (XY)	
NP2.5 Modelling and Understanding Geophysical Systems as Complex Networks NP3.2 Atmospheric and climate complexity over wide ranges of scale 1	NP2.4							
NP2.5 Modelling and Understanding Geophysical Systems as Complex Networks NP3.2 Atmospheric and climate complexity over wide ranges of scale 1		Atmosphere, Ocean and the Climate System				P(A)		
NP2.5 Modelling and Understanding Geophysical Systems as Complex Networks 1					O (14)			
as Complex Networks 2	NP2.5	Modelling and Understanding Geophysical Systems	1					
NP3.2 Atmospheric and climate complexity over wide ranges of scale NP3.3 Scaling, subgrid models, downscaling and parameterization 4	1,12,0					P (A)	O (16)	
NP3.2 Atmospheric and climate complexity over wide ranges of scale The property of the prop		r	4			1 (A)		
ranges of scale ranges of scale 2			_					
ranges of scale 3 4 5 NP3.3 Scaling, subgrid models, downscaling and parameterization 1 2 P(XY) 3 O(15)	NP3.2				O (15)		P (XY)	
NP3.3 Scaling, subgrid models, downscaling and parameterization 5		ranges of scale	3		` ′			
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	111 3.3				0.(15)		P (XY)	
		Parameter	4		U (15)			
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Session	Title	TB	MO	TU	WE	TH	FR
NP3.4	Geophysical Extremes: Scaling representations and	1			O (15)		
	their applications	2				P (XY)	
	then applications	4				-	-
		5					
NP6.5	Turbulence in the atmosphere and environment	1					O (36)
NP0.3	Turbulence in the atmosphere and environment	2					
		3					P (A)
		4					
		5					
NP7.3	Wind-Wave-Current interactions and ocean mixing	1					
		2				P (XY)	0 (15)
		3					O (15)
		5					
CL62	Employing the med not entire of the Meditement	1					ĺ
CL62	Exploring the real potential of the Mediterranean	2					
	basin as reliable recorder/player of present and past	3					
	global changes	4					O (13)
		5					P(XY)
OS6	Operational Oceanography: Skill Assessment, Error	1					O (D)
	Analysis and Service Delivery	2					O (D)
		4					O (3)
		5		1		P (XY)	O (D)
000	On the second of	1				O(3)	
OS8	Open session on SOLAS and sensitivity of marine	2				O(3)	P (XY)
	ecosystems and biogeochemical cycles to climate	3					ì
	change	4					
	· · · · · · · · · · · · · · · · · · ·	5			O (6)		
OS9	New aspects of the marine nitrogen cycle's processes and budget	1					
		2					P(XY)
		3		-		O (3)	
		5		1			
0010		1					
OS18	European Collaboration for Implementation of	2					
	Marine Research on Cores (EuroMARC)	3					
		4				O(3)	
		5			P(XY)		
CR8.1/	Mountain Hydrology and Climatology: present state	1	O (20)				
HS13.05	and future scenarios	2	O (20)			1	
	and future scenarios	3					
		5	P (XY)				
D.CO. 11		1	r (A1)			1	
BG2.11	Biogeochemistry and ecohydrology of arid and	2	P (BG)				
	semi-arid ecosystems	3	1 (20)				
		4	O (22)				
		5	<u> </u>				