

**Joint Assembly 2017 - Scientific Programme  
Monday, 28 August 2017**

**Session 1  
08h30 - 10h00**

<b>A01</b>	<b>Session Chair</b>		Dr.	Nicolas	Gillet	Mon	28-Aug	08h30	1.41
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<b>A01</b>	354	Automated absolute magnetic measurements for monitoring of the main field changes	Mr.	Jean	Rasson	Mon	28-Aug	08h30	1.41
<b>A01</b>	576	Sequential assimilation of the Earth's core magnetic field and secular variation	Mr.	Julien	Baerenzung	Mon	28-Aug	09h00	1.41
<b>A01</b>	957	Assimilation of geomagnetic data, a window to a better understanding of core dynamics	Dr.	Sabrina	Sanchez	Mon	28-Aug	09h30	1.41

<b>A23</b>	<b>Session Chair</b>		Dr.	Simon	Wing	Mon	28-Aug	08h30	1.42
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<b>A23</b>	548	Reporter Review 2015-2017: Magnetopause and Boundary Layers	Dr.	Steven	Petrinec	Mon	28-Aug	08h30	1.42
<b>A23</b>	743	Reporter Review: Global Magnetospheric Dynamics	Dr.	Toshi	Nishimura	Mon	28-Aug	09h00	1.42
<b>A23</b>	214	Magnetotail Dynamics	Dr.	Mikhail	Sitnov	Mon	28-Aug	09h30	1.42

<b>A13</b>	<b>Session Chair</b>			Dr.	Irina	Mironova	Mon	28-Aug	08h30	1.43
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<b>A13</b>	1180	Collocation of Heights of Key Interest in the Low-Latitude Nighttime Mesosphere	Prof.	Earle	Williams	Mon	28-Aug	08h30	1.43
<b>A13</b>	913	A Systematic Investigation of Lightning-Generated Extremely Low Frequency Whistlers Observed during Swarm ASM Burst Mode Sessions	Dr.	Pierdavide	Coisson	Mon	28-Aug	09h00	1.43
<b>A13</b>	928	The TETRA-II Experiment to Observe Terrestrial Gamma Flashes at Ground Level - Preliminary Results	Dr.	Michael	Cherry	Mon	28-Aug	09h15	1.43
<b>A13</b>	1173	Parameters of the global atmospheric electric circuit as measured in the northern and southern polar regions	Dr.	Renata	Lukianova	Mon	28-Aug	09h30	1.43

<b>M05</b>	<b>Session Chair</b>			Prof. Dr.	Zev Corinna	Levin Hoose	Mon	28-Aug	08h30	1.44
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<b>M05</b>	972	Land versus ocean production of ice nucleating particles and potential for cold cloud influences	Dr.	Paul	DeMott	Mon	28-Aug	08h30	1.44
<b>M05</b>	32	Measurements and Parameterization of Atmospheric Ice Nuclei in Different Background Regions in China	Dr.	Yan	Yin	Mon	28-Aug	09h00	1.44
<b>M05</b>	771	Parameterizations of ice formation in tropospheric clouds based on AIDA experiments	Dr.	Ottmar	Möhler	Mon	28-Aug	09h15	1.44
<b>M05</b>	402	In-Cloud Electric Charge Modulated Scavenging Affecting Contact and Immersion Ice Nucleation: Parameterized Simulations for Modelling Observed Responses	Prof.	Brian	Tinsley	Mon	28-Aug	09h30	1.44
<b>M05</b>	679	Simulation of the Ice Nuclei Particles (INP) concentration observed over the Canadian Arctic during the summers of 2014 and 2016.	Mr.	Eric	Girard	Mon	28-Aug	09h45	1.44

<b>M20</b>	<b>Session Chair</b>		Prof. Prof.	Mathieu Noel	Rouault Keenlyside	Mon	28-Aug	08h30	1.61
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<b>M20</b>	1163	The role heat flux in equatorial and extratropical South Atlantic air-sea interactions	Dr.	Hyacinth	Nnamchi	Mon	28-Aug	08h30	1.61
<b>M20</b>	702	Responses of Regional Atmospheric Circulation and Rainfall variability over Southern Africa to Mesoscale Dynamics of the Angola-Benguela Frontal Zone	Dr.	Fabien	Desbiolles	Mon	28-Aug	09h00	1.61
<b>M20</b>	230	Atmospheric signature of the Agulhas Current	Miss.	Arielle Stela	Nkwinkwa Njouodo	Mon	28-Aug	09h15	1.61
<b>M20</b>	412	Eastward propagation of decadal temperature variability in the South Atlantic and Indian Oceans	Dr.	Yushi	Morioka	Mon	28-Aug	09h30	1.61
<b>M20</b>	665	A nonlinear approach to investigate ocean- atmosphere coupling in real datasets	Dr.	Stephane	Vannitsem	Mon	28-Aug	09h45	1.61

<b>M17</b>	<b>Session Chair</b>		Dr.	Julia	Keller	Mon	28-Aug	08h30	1.62
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<b>M17</b>	979	Dynamical aspects of extreme event attribution	Prof.	Theodore G.	Shepherd	Mon	28-Aug	08h30	1.62
<b>M17</b>	1211	Temperature and Humidity Trends: Chasing the Global Warming around the United States	Prof.	Richard	Grotjahn	Mon	28-Aug	09h00	1.62
<b>M17</b>	235	HIWeather - predicting and warning weather-related hazards	Prof.	Brian	Golding	Mon	28-Aug	09h15	1.62
<b>M17</b>	1456	The prediction of heat waves over South Africa	Dr.	Christien	Engelbrecht	Mon	28-Aug	09h45	1.62

<b>P07</b>	<b>Session Chair</b>			Dr.	Tarron	Lamont	Mon	28-Aug	08h30	1.63
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<b>P07</b>	623	Equilibrium Dynamics of the Benguela System	Dr.	Jennifer	Veitch	Mon	28-Aug	08h30	1.63
<b>P07</b>	71	Agulhas Leakage and the intermediate water masses in the Benguela Upwelling system	Dr.	Nele	Tim	Mon	28-Aug	09h00	1.63
<b>P07</b>	1253	Subseasonal Coastal Trapped Waves propagation in the Southeastern Pacific and Atlantic oceans	Dr.	Serena	Illig	Mon	28-Aug	09h15	1.63
<b>P07</b>	708	Decade-scale trends in plankton of the Benguela upwelling system	Dr.	Hans	Verheye	Mon	28-Aug	09h30	1.63

<b>A09</b>	<b>Session Chair</b>			Dr.	Patrick	Alken	Mon	28-Aug	08h30	2.41 - 2.43
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<b>A09</b>	937	Swarm - ESA's magnetic field and geospace research constellation explorer: results and perspectives beyond the nominal mission lifetime	Dr.	Rune	Floberghagen	Mon	28-Aug	08h30	2.41 - 2.43
<b>A09</b>	135	An accelerating high-latitude jet in Earth's core	Dr.	Phil	Livermore	Mon	28-Aug	09h00	2.41 - 2.43
<b>A09</b>	731	Global geomagnetic field modelling using three years of the experimental ASM-V vector data on board the Swarm satellites	Mr.	Pierre	Vigneron	Mon	28-Aug	09h30	2.41 - 2.43
<b>A09</b>	860	Electrical Conductivity of the Earth's Mantle: Time-domain Inversion of Swarm Data	Dr.	Jakub	Velímský	Mon	28-Aug	09h45	2.41 - 2.43

<b>A04 A05</b>	<b>Session Chair</b>		Dr.	Tomasz	Werner	Mon	28-Aug	08h30	2.44 - 2.46
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<b>A04 A05</b>	592	Low- and high field AMS of the Early Triassic rocks from Spitsbergen	Mrs.	Katarzyna	Dudzisz	Mon	28-Aug	08h30	2.44 - 2.46
<b>A04 A05</b>	794	Paleomagnetic evidence for a collision of Patagonia with Gondwana in the Permo-Triassic?	Dr.	Augusto	Rapalini	Mon	28-Aug	08h45	2.44 - 2.46
<b>A04 A05</b>	1449	Identification of Mass Transport Deposits on the Submarine Bank of Portimão (Gulf of Cadiz, SW Iberia)	Dr.	Pedro	Silva	Mon	28-Aug	09h00	2.44 - 2.46
<b>A04 A05</b>	1094	Anomalous variation of magnetic anisotropy with low-field in some volcanic dykes and its magneto-mineralogical origin	Prof.	Frantisek	Hrouda	Mon	28-Aug	09h15	2.44 - 2.46
<b>A04 A05</b>	1165	Anisoft and Complex Treatment of Magnetic Anisotropy Data	Dr.	Martin	Chadima	Mon	28-Aug	09h30	2.44 - 2.46
<b>A04 A05</b>	1477	The MagIC (Magnetics Information Consortium) Database: Current Status and Future Prospects	Prof.	Catherine	Constable	Mon	28-Aug	09h45	2.44 - 2.46

<b>JM4</b>	<b>Session Chair</b>		Miss. Dr.	Caroline Linda	Dunning Hirons	Mon	28-Aug	08h45	2.61 - 2.63
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<b>JM4</b>	118	The representation of the seasonality of African rainfall in CMIP5 climate models	Miss.	Caroline	Dunning	Mon	28-Aug	10h30	2.61 - 2.63
<b>JM4</b>	1381	The association between the Angola Low and southern African rainfall in coupled climate models	Mr.	Callum	Munday	Mon	28-Aug	10h45	2.61 - 2.63
<b>JM4</b>	1458	Analysing tropical-extratropical cloud bands over southern Africa: how far can we trust model representations of climate variability and change?	Dr.	Rachel	James	Mon	28-Aug	11h00	2.61 - 2.63
<b>JM4</b>	491	Biodiversity conservation in an uncertain climatic future	Miss.	Boipelo	Tshwene-Mauchaza	Mon	28-Aug	11h15	2.61 - 2.63
<b>JM4</b>	330	Large-scale drivers of variability in the East African short rains	Dr.	Linda	Hirons	Mon	28-Aug	11h30	2.61 - 2.63

<b>JP1</b>	<b>Session Chair</b>			Prof.	Trevor	McDougall	Mon	28-Aug	08h30	2.64 - 2.66
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<b>JP1</b>	76	Abyssal plain hills and internal wave turbulence	Dr.	Hans	van Haren	Mon	28-Aug	08h30	2.64 - 2.66
<b>JP1</b>	260	The relative impacts of temporal variability in dissipation and mixing efficiency on diapycnal fluxes.	Dr.	Matthew	Palmer	Mon	28-Aug	09h00	2.64 - 2.66
<b>JP1</b>	285	Enhanced mixing in the equatorial thermocline induced by inertia-gravity waves	Prof.	Kelvin	Richards	Mon	28-Aug	09h15	2.64 - 2.66
<b>JP1</b>	388	Temporal variability of the internal wave spectrum in the interior tropical North Atlantic	Dr.	Janna	Kohler	Mon	28-Aug	09h30	2.64 - 2.66
<b>JP1</b>	1483	Observations of eddy suppression in the Antarctic Circumpolar Current	Dr.	Helen	Phillips	Mon	28-Aug	09h45	2.64 - 2.66

<b>JM1</b>	<b>Session Chair</b>			Dr. Prof.	Matthew B. J.	Lazzara Sohn	Mon	28-Aug	08h30	Roof Terrace
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<b>JM1</b>	414	An understanding The Earth System derived from Earth Observations	Prof.	Graeme	Stephens	Mon	28-Aug	08h30	Roof Terrace
<b>JM1</b>	66	Prospects of the earth observation with modern satellite sensors	Prof.	Teruyuki	Nakajima	Mon	28-Aug	09h00	Roof Terrace
<b>JM1</b>	857	Satellite-measured daily-to-seasonal variations of low-cloud fraction over the South Indian Ocean	Prof.	Hisashi	Nakamura	Mon	28-Aug	09h30	Roof Terrace
<b>JM1</b>	542	A new approach for obtaining sea ice parameters over the polar regions from low frequency passive microwave measurements	Prof.	B. J.	Sohn	Mon	28-Aug	09h45	Roof Terrace

## Session 2 10h30 - 12h00

<b>A01</b>	<b>Session Chair</b>		Dr.	Vincent	Lesur	Mon	28-Aug	10h30	1.41
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<b>A01</b>	221	A global analysis of the quasi-biennial oscillation in the geomagnetic field	Mr.	Jiaming	Ou	Mon	28-Aug	10h30	1.41
<b>A01</b>	884	Detection of secular acceleration pulses from observatory data	Dr.	Anatoly	Soloviev	Mon	28-Aug	11h00	1.41
<b>A01</b>	211	Identifying MHD waves in numerical models of the geodynamo	Dr.	Robert	Teed	Mon	28-Aug	11h15	1.41

<b>A23</b>	<b>Session Chair</b>		Dr.	Simon	Wing	Mon	28-Aug	10h30	1.42
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<b>A23</b>	948	Wave-particle interactions in inner magnetosphere	Dr.	Maria	Usanova	Mon	28-Aug	10h30	1.42
<b>A23</b>	240	Reporter Review 2015-2017: Ultra Low Frequency Waves	Dr.	Michael	Harteringer	Mon	28-Aug	11h00	1.42
<b>A23</b>	436	Reporter Review on Auroral Processes	Dr.	Colin	Forsyth	Mon	28-Aug	11h30	1.42

<b>A13</b>	<b>Session Chair</b>		Dr.	Earle	Williams	Mon	28-Aug	10h30	1.43
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<b>A13</b>	460	Short-term variability of the lower ionosphere from VLF narrowband radio observations	Prof.	Colin	Price	Mon	28-Aug	10h30	1.43
<b>A13</b>	1079	A Statistical Study on Lightning Activities and Global Magnitude $M \geq 7$ Earthquakes during 1999–2015	Dr.	Jann-Yenq	Liu	Mon	28-Aug	11h00	1.43
<b>A13</b>	1403	Particle acceleration due to the electric field of thunderstorm clouds observed by HAWC	Dr.	Alejandro	Lara	Mon	28-Aug	11h15	1.43

<b>M05</b>	<b>Session Chair</b>			Dr. Dr.	Paul Ottmar	DeMott Möhler	Mon	28-Aug	10h30	1.44
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<b>M05</b>	398	Aerosol/Cloud interactions and the effects on droplet size distribution, the onset of coalescence and ice processes in convective clouds	Dr.	Roelof	Bruintjes	Mon	28-Aug	10h30	1.44
<b>M05</b>	910	Cloud processing of aerosol particles in marine stratocumulus clouds	Prof.	Andrea	Flossmann	Mon	28-Aug	11h00	1.44
<b>M05</b>	1137	Climate impact of anthropogenic aerosols on cirrus clouds	Prof.	Joyce	Penner	Mon	28-Aug	11h15	1.44
<b>M05</b>	1398	Sensitivity of simulated stratocumulus clouds in southern Africa to aerosol particle characteristics	Dr.	Rebecca	Garland	Mon	28-Aug	11h30	1.44
<b>M05</b>	281	How often are biomass burning aerosols mixing into the Namibian stratocumulus deck? Initial results from year 1 of the ORACLES field campaign.	Mr.	Michael	Diamond	Mon	28-Aug	11h45	1.44

<b>M20</b>	<b>Session Chair</b>			Dr. Dr.	Tim Hisashi	Woollings Nakamura	Mon	28-Aug	10h30	1.61
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<b>M20</b>	517	Bidirectional connections between ENSO and stratospheric variability	Dr.	Chaim	Garfinkel	Mon	28-Aug	10h30	1.61
<b>M20</b>	299	Pacific-Atlantic interactions heat up: Evidence from El Nino and Mid-latitude Blobs	Prof.	Jin-Yi	Yu	Mon	28-Aug	11h00	1.61
<b>M20</b>	403	Characterizing Pacific Ocean Regime Shifts	Dr.	Matt	Newman	Mon	28-Aug	11h15	1.61
<b>M20</b>	647	Pacific contribution to the early 20th century warming in the Arctic	Dr.	Lea	Svensen	Mon	28-Aug	11h30	1.61

<b>M20</b>	661	The effect of the 18.6 year lunar nodal cycle on decadal temperature trends	Dr.	Manoj	Joshi	Mon	28-Aug	11h45	1.61
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<b>M17</b>	<b>Session Chair</b>		Dr.	Kevin	Reed	Mon	28-Aug	10h30	1.62
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<b>M17</b>	1092	What are the characteristic drivers of marine heatwaves around the globe?	Dr.	Neil	Holbrook	Mon	28-Aug	10h30	1.62
<b>M17</b>	1209	Climate Models Simulation of California Heat Waves	Prof.	Richard	Grotjahn	Mon	28-Aug	10h45	1.62
<b>M17</b>	572	The role of land conditions on the 2016 heatwave in Korea	Dr.	Emilia Kyung	Jin	Mon	28-Aug	11h00	1.62
<b>M17</b>	233	Planetary and synoptic drivers of warm and cold wintertime extremes in the High Arctic	Dr.	Gabriele	Messori	Mon	28-Aug	11h15	1.62
<b>M17</b>	1053	Increasing Occurrence of Midwinter Warming Events at the North Pole	Prof.	G.W.K.	Moore	Mon	28-Aug	11h30	1.62
<b>M17</b>	Discussion					Mon	28-Aug	11h45	1.62

<b>P07</b>	<b>Session Chair</b>		Prof.	Isabelle	Ansorge	Mon	28-Aug	10h30	1.63
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<b>P07</b>	1503	Effects of environmental variability on small pelagic fish in the southern Benguela ecosystem	Dr.	Carl	van der Lingen	Mon	28-Aug	10h30	1.63
<b>P07</b>	960	Population distribution and biomass variability of sardine and anchovy in the Canary Current system as simulated by an end-to-end coupled model	Dr.	Jose Carlos	Sanchez-Garrido	Mon	28-Aug	11h00	1.63
<b>P07</b>	649	Towards a coastal modelling system for South Africa: A St Helena Bay case study	Dr.	Charine	Collins	Mon	28-Aug	11h15	1.63

<b>P07</b>	633	Seasonality of coastal upwelling off south of Madagascar: temporal and spatial variability	Mr.	Juliano Dani	Ramanantsoa	Mon	28-Aug	11h30	1.63
<b>P07</b>	1530	Expanding Oceans Economies and the need for Governance	Prof.	Ken	Findlay	Mon	28-Aug	11h45	1.63

<b>P06</b>	<b>Session Chair</b>		Dr.	Marjolaine	Krug	Mon	28-Aug	10h30	1.64
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<b>P06</b>	69	The role of the Deep Western Boundary Current in the North and South Atlantic: Relationships between the upper and lower limbs of the MOC	Dr.	Christopher	Meinen	Mon	28-Aug	10h30	1.64
<b>P06</b>	755	Meridional heat transport of the Indian Ocean across 34°S based on high resolution Agulhas Current hydrography, satellite, and Argo data	Ms.	Kayleen	McMonigal	Mon	28-Aug	11h00	1.64
<b>P06</b>	883	Seasonality of the Agulhas Current with respect to near- and far-field winds	Ms.	Katherine	Hutchinson	Mon	28-Aug	11h15	1.64
<b>P06</b>	1017	On interannual variability of the Natal Pulse	Mr.	Yoko	Yamagami	Mon	28-Aug	11h30	1.64

<b>A09</b>	<b>Session Chair</b>		Dr.	Ciaran	Beggan	Mon	28-Aug	10h30	2.41 - 2.43
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<b>A09</b>	641	North-south asymmetries in polar ionospheric currents - effects of asymmetries in the main magnetic field	Dr.	Karl	Laundal	Mon	28-Aug	10h30	2.41 - 2.43
<b>A09</b>	279	Climatology of the polar electrojets using Swarm and older satellites	Mr.	Ashley	Smith	Mon	28-Aug	11h00	2.41 - 2.43
<b>A09</b>	856	Determining statistical patterns of the auroral electrojet system from Swarm satellite magnetic data	Mrs.	Cecilie Drost	Aakjær	Mon	28-Aug	11h15	2.41 - 2.43

<b>A09</b>	1070	Characteristics of magnetic ripples as observed by Swarm satellites and their relation to micro-barometric and ground magnetic variations	Prof.	Toshihiko	Lyemori	Mon	28-Aug	11h30	2.41 - 2.43
<b>A09</b>	836	Study of Substorm associated Pi2 pulsations in different local time sectors	Dr.	Neethal	Thomas	Mon	28-Aug	11h45	2.41 - 2.43

<b>A04 A05</b>	<b>Session Chair</b>		Mr.	Kurt Heinrich	Wogau	Mon	28-Aug	10h30	2.44 - 2.46
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<b>A04 A05</b>	806	On the cause of the non-Gaussian distribution of residuals in geomagnetism	Dr.	Gauthier	Hulot	Mon	28-Aug	10h30	2.44 - 2.46
<b>A04 A05</b>	807	Principal component analysis of palaeomagnetic directions: converting a Maximum Angular Deviation (MAD) into a 95 angle	Prof.	Andrei	Khokhlov	Mon	28-Aug	10h45	2.44 - 2.46
<b>A04 A05</b>	920	VARIFORC v.4: a new tool for dealing with the complexity of advanced FORC analyses without specialized knowledge	Dr.	Ramon	Egli	Mon	28-Aug	11h00	2.44 - 2.46
<b>A04 A05</b>	692	Rock magnetism applied to decipher the firing conditions in mysterious Neolithic burnt settlements in SE Europe and the case study of Mursalevo site (Bulgaria)	Prof.	Neli	Jordanova	Mon	28-Aug	11h15	2.44 - 2.46
<b>A04 A05</b>	995	Revisiting the connection between the past geomagnetic field and the radionuclide production rate	Mr.	F. Javier	Pavón-Carrasco	Mon	28-Aug	11h30	2.44 - 2.46
<b>A04 A05</b>	1285	Environmental magnetism study for the determination of paleoclimates and paleoenvironmental conditions in Serdan Oriental Basin.	Mr.	Kurt Heinrich	Wogau	Mon	28-Aug	11h45	2.44 - 2.46

<b>JP1</b>	<b>Session Chair</b>		Dr.	Hans	van Haren	Mon	28-Aug	10h30	2.64 - 2.66
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<b>JP1</b>	905	Deep overturning circulation shaped by basin geometry	Dr.	Casimir	de Lavergne	Mon	28-Aug	10h30	2.64 - 2.66
<b>JP1</b>	331	Ridges, Seamounts, Troughs and Bowls: Topographic Control of the Diapycnal Circulation in the Abyssal Ocean	Dr.	Ryan	Holmes	Mon	28-Aug	11h00	2.64 - 2.66

JP1	103	A regime diagram for ocean geostrophic turbulence	Dr.	Andreas	Klocker	Mon	28-Aug	11h15	2.64 - 2.66
JP1	293	Generation and propagation of atmospheric internal waves caused by volcanic eruptions	Dr.	Peter	Baines	Mon	28-Aug	11h30	2.64 - 2.66
JP1	689	Mathematical versus physical constraints on ocean small-scale mixing parameterisations	Mr.	Remi	Tailleux	Mon	28-Aug	11h45	2.64 - 2.66

JM1	<b>Session Chair</b>		Dr.	Stefano Stewart	Vignudelli Bernard	Mon	28-Aug	10h30	Roof Terrace
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JM1	1036	Eddy detection in satellite-derived fields: achievements and challenges	Dr.	Svetlana	Karimova	Mon	28-Aug	10h30	Roof Terrace
JM1	609	Inferring source regions and transport pathways of iron in the Southern Ocean from satellite chlorophyll data	Dr.	Robert	Graham	Mon	28-Aug	11h00	Roof Terrace
JM1	520	Contributions of Aquarius and SMAP satellites to studies of ocean salinity and its linkages with climate variability and water cycle	Dr.	Tong	Lee	Mon	28-Aug	11h15	Roof Terrace
JM1	1418	Monitoring storm surges in the Adriatic Sea using satellite altimetry	Dr.	Stefano	Vignudelli	Mon	28-Aug	11h30	Roof Terrace
JM1	324	Blended sea level anomaly fields with enhanced coastal coverage along the U.S. West Coast	Mr.	Craig	Risien	Mon	28-Aug	11h45	Roof Terrace

### Session 3 13h30 - 15h00

A12	<b>Session Chair</b>		Dr.	Ana	Elias	Mon	28-Aug	13h30	1.43
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A12	672	Progress in investigating long-term trends in the mesosphere-thermosphere-ionosphere system	Dr.	Jan	Lastovicka	Mon	28-Aug	13h30	1.43
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<b>A12</b>	931	Analysis of trends in IWC distributions of PMCs in the northern summer mesosphere for 1871 - 2008	Dr.	Uwe	Berger	Mon	28-Aug	14h00	1.43
<b>A12</b>	818	Dependency of the equatorial ionospheric current system on solar flux and geomagnetic main field at the Huancayo geomagnetic observatory from 1935 to 1985	Dr.	Juergen	Matzka	Mon	28-Aug	14h30	1.43
<b>A12</b>	1124	Phase-height measurements over Europe during 5 solar cycles - Long-term variability of the mesosphere	Dr.	Dieter H.W.	Peters	Mon	28-Aug	14h45	1.43

<b>M16</b>	<b>Session Chair</b>		Dr.	Zinta	Zommers	Mon	28-Aug	13h30	1.44
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<b>M16</b>	195	California: It's Complicated: A Case Study of the San Joaquin Valley	Dr.	Gillisann	Harootunian	Mon	28-Aug	13h30	1.44
<b>M16</b>	122	Loss and Damage and Limits to Adaptation: Case Study from the Philippines	Dr.	Ebinezer	Florano	Mon	28-Aug	13h50	1.44
<b>M16</b>	993	Forecast Based Financing and Climate Change Adaptation: exploring lessons learnt from Uganda	Mr.	Wasswa Eddie	Jjemba	Mon	28-Aug	14h10	1.44
<b>M16</b>	73	Enhancing The Resilience of Farmers In Dryland Ecosystem Against Water Droughts And Land Degradation In Semi-Arid Region Of Pakistan	Mr.	Sahibzada Irfanullah	Khan	Mon	28-Aug	14h30	1.44

<b>M20</b>	<b>Session Chair</b>		Prof. Prof.	Jin-Yi Lixin	Yu Wu	Mon	28-Aug	13h30	1.61
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<b>M20</b>	986	Projected sea surface temperatures over the 21st century: changes in the mean, variability and extremes	Dr.	Michael	Alexander	Mon	28-Aug	13h30	1.61
<b>M20</b>	303	Links between CMIP5 model diversity in Antarctic amplification, sea ice, and projected 21st century change in the southern hemisphere eddy-driven mid-latitude westerly jet	Dr.	Thomas	Bracegirdle	Mon	28-Aug	14h00	1.61

<b>M20</b>	1276	Weakening of the tropical atmospheric circulation response to local sea surface temperature anomalies under global warming	Dr.	Ping	Huang	Mon	28-Aug	14h15	1.61
<b>M20</b>	94	Understanding sea surface temperature forcing of precipitation variability	Dr.	Jie	He	Mon	28-Aug	14h30	1.61
<b>M20</b>	202	Future changes in global precipitation projected by the atmospheric global model with 60-km grid size	Dr.	Shoji	Kusunoki	Mon	28-Aug	14h45	1.61

<b>M12</b>	<b>Session Chair</b>		Dr.	Elisa	Manzini	Mon	28-Aug	13h30	1.62
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<b>M12</b>	77	Future changes in large-scale tracer transport in the upper troposphere and lower stratosphere (UTLS)	Dr.	Marta	Abalos	Mon	28-Aug	13h30	1.62
<b>M12</b>	96	Decadal changes of age of air, tracers, ozone, and ozone-depleting substances, and their link to stratospheric circulation changes	Dr.	Gabriele	Stiller	Mon	28-Aug	14h00	1.62
<b>M12</b>	148	Another Approach to Stratospheric Circulation: The Direct Inversion of the Continuity Equation	Dr.	Thomas	von Clarmann	Mon	28-Aug	14h15	1.62
<b>M12</b>	1474	The importance of coupling between circulation, temperature, and radiative species for the tropical lower stratosphere	Ms.	Amanda	Maycock	Mon	28-Aug	14h30	1.62

<b>M17</b>	<b>Session Chair</b>		Dr.	Gabriele	Messori	Mon	28-Aug	13h30	1.63
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<b>M17</b>	1213	A New Perspective on Increased Intensities of Atmospheric Disturbances: Trends in Weather-Timescale Fluctuations	Dr.	Pei-Chun	Hsu	Mon	28-Aug	13h30	1.63
<b>M17</b>	1068	The use of high-resolution climate models to investigate regional projections of tropical cyclone activity	Dr.	Kevin	Reed	Mon	28-Aug	13h45	1.63

<b>M17</b>	1074	How much rainfall extremes associated with tropical cyclones can be attributable to anthropogenic influences?	Prof.	Cheng-Ta	Chen	Mon	28-Aug	14h00	1.63
<b>M17</b>	890	Subtropical air masses in extratropical latitudes: Their links to extreme precipitation and extreme oceanic cyclogenesis	Prof.	John	Gyakum	Mon	28-Aug	14h15	1.63
<b>M17</b>	167	Dominant Role of Subtropical Pacific Warming in Extreme Eastern Pacific Hurricane Seasons: 2015 and the Future	Dr.	Hiroyuki	Murakami	Mon	28-Aug	14h30	1.63
<b>M17</b>	Discussion					Mon	28-Aug	14h45	1.63

<b>P06</b>	<b>Session Chair</b>		Dr.	Amandine	Schaeffer	Mon	28-Aug	13h30	1.64
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<b>P06</b>	942	Gulf Stream North Wall variations in the context of decadal and multidecadal Atlantic variability	Dr.	Gerard	McCarthy	Mon	28-Aug	13h30	1.64
<b>P06</b>	966	Topographically challenged coastal sea level along a western boundary system	Mr.	Anthony	Wise	Mon	28-Aug	13h45	1.64
<b>P06</b>	784	Field experiments in the Brazil-Malvinas Confluence during early austral fall	Prof.	Josep L.	Pelegris	Mon	28-Aug	14h00	1.64
<b>P06</b>	1162	Dynamics of Brazil Current transport variability observed at 34.5°S on intraseasonal to interannual time scales	Dr.	Maria Paz	Chidichimo	Mon	28-Aug	14h15	1.64
<b>P06</b>	1425	The use of downscaling technique to investigate the physical processes related to the Brazil Current in the Southwest Atlantic - Preliminary Results	Miss.	Leilane	Passos	Mon	28-Aug	14h30	1.64
<b>P06</b>	1164	Crossroads of the Agulhas System	Dr.	Jeffrey	Book	Mon	28-Aug	14h45	1.64

<b>A09</b>	<b>Session Chair</b>		Dr.	Claudia	Stolle	Mon	28-Aug	13h30	2.41 - 2.43
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<b>A09</b>	876	Scientific Results from the Swarm Electric Field Instruments (EFIs)	Dr.	David	Knudsen	Mon	28-Aug	13h30	2.41 - 2.43
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<b>A09</b>	850	Scientific results from SIFACIT, Swarm-SECS, Swarm-Aurora and SwarmSuperMAG 2015 projects	Dr.	Lorenzo	Trenchi	Mon	28-Aug	14h00	2.41 - 2.43
<b>A09</b>	709	Swarm satellite data analyses for earthquake preparatory phase studies	Prof.	Angelo	De Santis	Mon	28-Aug	14h15	2.41 - 2.43
<b>A09</b>	786	The Swarm Delta NanoMagSat project, latest news	Dr.	Gauthier	Hulot	Mon	28-Aug	14h30	2.41 - 2.43
<b>A09</b>	1246	Evolution of the Swarm ASM-Vs: a miniaturized version with enhanced metrological capabilities	Dr.	Jean-Michel	Léger	Mon	28-Aug	14h45	2.41 - 2.43

<b>A10</b>	<b>Session Chair</b>		Mrs.	Petra	Koucka Knizova	Mon	28-Aug	13h30	2.44 - 2.46
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<b>A10</b>	1431	Coupling of the gravity wave activity, climate phenomena and middle atmospheric dynamics	Prof.	Petr	Pisoft	Mon	28-Aug	13h30	2.44 - 2.46
<b>A10</b>	140	Interhemispheric coupling and its influence on the mesosphere	Dr.	Bodil	Karlsson	Mon	28-Aug	13h45	2.44 - 2.46
<b>A10</b>	1347	Dynamical Response of the Northern Middle and High-Latitude Mesosphere to Local and Global Variations	Dr.	Fazlul	Laskar	Mon	28-Aug	14h15	2.44 - 2.46
<b>A10</b>	1161	Ionospheric Irregularities and Plasma Bubbles Observed by GPS TEC and OI 630 nm Airglow: Signature of Troposphere-Ionosphere Coupling	Prof.	Hisao	Takahashi	Mon	28-Aug	14h45	2.44 - 2.46

<b>M01</b>	<b>Session Chair</b>		Mr.	John	Burrows	Mon	28-Aug	13h30	2.61 - 2.63
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<b>M01</b>	1410	Roland von Glasow Memorial Lecture: Tropospheric Halogen Sources from Sea Spray Aerosol	Prof.	Rainer	Volkamer	Mon	28-Aug	13h30	2.61 - 2.63
<b>M01</b>	509	Ocean ventilation changes and impact on oxygen and anthropogenic carbon distributions in the North Atlantic	Prof.	Monika	Rhein	Mon	28-Aug	14h00	2.61 - 2.63

M01	583	Photosensitized chemistry at the air/sea interface: Biology vs Chemistry	Dr.	Christian	George	Mon	28-Aug	14h30	2.61 - 2.63
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<b>JP1</b>	<b>Session Chair</b>		Dr.	Helen	Phillips	Mon	28-Aug	13h30	2.64 - 2.66
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<b>JP1</b>	102	Tipping points in Southern Ocean ventilation	Dr.	Andreas	Klocker	Mon	28-Aug	13h30	2.64 - 2.66
<b>JP1</b>	153	Parameterization of Langmuir Circulation in the Ocean Mixed Layer Model Using LES and its Application to the OGCM	Prof.	Yign	Noh	Mon	28-Aug	14h00	2.64 - 2.66
<b>JP1</b>	898	Synoptic-to-planetary scale wind variability enhances phytoplankton at ocean fronts	Dr.	Daniel	Whitt	Mon	28-Aug	14h15	2.64 - 2.66
<b>JP1</b>	1217	The impacts of ocean bottom roughness and tidal flow amplitude on abyssal mixing	Prof.	Toshiyuki	Hibiya	Mon	28-Aug	14h30	2.64 - 2.66
<b>JP1</b>	1436	The OSMOSIS ocean boundary layer model	Dr.	George	Nurser	Mon	28-Aug	14h45	2.64 - 2.66

<b>JM1</b>	<b>Session Chair</b>		Dr. Prof.	Michael Mioara	Purucker Mandea	Mon	28-Aug	13h30	Roof Terrace
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<b>JM1</b>	1152	Magnetic Remote Sensing of Ocean Heat and Transport	Dr.	Robert	Tyler	Mon	28-Aug	13h30	Roof Terrace
<b>JM1</b>	1438	The interpretation of gravity and magnetic data and the value of long wavelength information	Prof.	Susan J.	Webb	Mon	28-Aug	14h00	Roof Terrace
<b>JM1</b>	815	IONOGLOW: new perspectives for tsunami detection from space	Dr.	Giovanni	Occhipinti	Mon	28-Aug	14h30	Roof Terrace
<b>JM1</b>	145	Continuation of multi-angular polarized observation of the Earth's reflectance from space with DPC (directional polarized camera) on board GF-5	Prof.	Zhengqiang	Li	Mon	28-Aug	14h45	Roof Terrace

**Joint Assembly 2017 - Scientific Programme**  
**Tuesday, 29 August 2017**

**Session 1**  
**08h30 - 10h00**

<b>A02</b>	<b>Session Chair</b>			Dr.	Krista	Soderlund	Tues	29-Aug	08h30	1.41
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<b>A02</b>	799	Saturn's magnetic field and dynamo in the Cassini era	Prof.	Michele	Dougherty	Tues	29-Aug	08h30	1.41
<b>A02</b>	328	Analysis of initial Juno magnetometer data: Use of an elastic net to probe small-scale structure in Jupiter's magnetic field	Prof.	Jeremy	Bloxham	Tues	29-Aug	09h00	1.41
<b>A02</b>	929	A time-averaged regional model of the Hermean magnetic field	Dr.	Erwan	Thebault	Tues	29-Aug	09h15	1.41
<b>A02</b>	1281	Characteristics of Mercury's magnetic fields and their temporal variations	Dr.	Ingo	Wardinski	Tues	29-Aug	09h30	1.41
<b>A02</b>	473	Constraining the date of the martian dynamo shutdown by means of craters' magnetization signatures	Dr.	Matthias	Grott	Tues	29-Aug	09h45	1.41

<b>A08</b> <b>A40</b>	<b>Session Chair</b>			Dr.	Stephan	Thiel	Tues	29-Aug	08h30	1.42
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<b>A08</b> <b>A40</b>	1150	3D Conductivity of the US Lithosphere: Results from the EarthScope MT-TA	Dr.	Gary	Egbert	Tues	29-Aug	08h30	1.42
<b>A08</b> <b>A40</b>	1215	Capricorn Orogen (Western Australia): Analysis, inversion and interpretation of an unusual magnetotelluric dataset with widespread out-of-quadrant phase responses	Dr.	Perla	Pina-Varas	Tues	29-Aug	09h00	1.42
<b>A08</b> <b>A40</b>	1238	Magnetotelluric characterization of cratonic lithosphere and controls on mineral deposits: examples from South Australia	Dr.	Stephan	Thiel	Tues	29-Aug	09h30	1.42
<b>A08</b> <b>A40</b>	688	Proterozoic collisional suture between the Archean Dharwar and Coorg Blocks of South India and their tectonic history as inferred from magnetotelluric data	Dr.	Abdul Azeez	Kizhakkekara Kunjavaran	Tues	29-Aug	09h45	1.42

<b>A28</b>	<b>Session Chair</b>			Dr.	Lucia	Kleint	Tues	29-Aug	08h30	1.43
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<b>A28</b>	287	Recent Progress in Observing Solar Flares at Radio Wavelengths	Dr.	Timothy	Bastian	Tues	29-Aug	08h30	1.43
<b>A28</b>	405	Multi-Instrument analysis of coronal X-ray and temperature signatures in solar limb flares	Dr.	Frederic	Effenberger	Tues	29-Aug	09h00	1.43
<b>A28</b>	1065	A Large-scale Plume in an X-Class Solar Flare	Dr.	Gregory	Fleishman	Tues	29-Aug	09h30	1.43
<b>A28</b>	457	KW-Sun: Konus-Wind Hard X-ray and Soft Gamma-ray Solar Flare Database	Mrs.	Alexandra	Lysenko	Tues	29-Aug	09h45	1.43

<b>M05</b>	<b>Session Chair</b>			Dr. Dr.	Paul Yan	DeMott Yin	Tues	29-Aug	08h30	1.44
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<b>M05</b>	1154	Microphysical and dynamical signatures in cloud-top phase distributions of deep convective clouds	Dr.	Corinna	Hoose	Tues	29-Aug	08h30	1.44
<b>M05</b>	1166	Changes in deep convective cloud properties due to forest fire aerosols in the summer of 2012	Ms.	Azusa	Takeishi	Tues	29-Aug	09h00	1.44
<b>M05</b>	1335	Contrasts of cloud microphysical relationships between the dry and wet seasons in Amazon measured during the GoAmazon campaign	Prof.	Seong Soo	Yum	Tues	29-Aug	09h15	1.44
<b>M05</b>	1419	The Microphysical Processing and Transport of Dust by Tropical Cyclones	Prof.	Susan	van den Heever	Tues	29-Aug	09h30	1.44
<b>M05</b>	1023	The interaction between aerosol particles, cloud and precipitation during the HyMeX IOP7a event	Mr.	Wolfram	Wobrock	Tues	29-Aug	09h45	1.44

<b>M20</b>	<b>Session Chair</b>			Dr. Prof.	Lea Mojib	Svensden Latif	Tues	29-Aug	08h30	1.61
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<b>M20</b>	1218	Interactions between Oceanic variability and Storm tracks in the midlatitudes	Prof.	Lixin	Wu	Tues	29-Aug	08h30	1.61
<b>M20</b>	1087	Air-Sea Interaction Regimes and their Synoptic and Climatological Interpretation	Prof.	Thomas	Spengler	Tues	29-Aug	09h00	1.61
<b>M20</b>	1404	The impact of Northern Hemisphere western boundary current on the atmospheric large-scale circulation	Prof.	Noel	Keenlyside	Tues	29-Aug	09h15	1.61
<b>M20</b>	858	Impacts of midlatitude oceanic fronts on the mean state and variability of the extratropical atmosphere	Dr.	Hisashi	Nakamura	Tues	29-Aug	09h30	1.61
<b>M20</b>	738	Estimating North Atlantic Ocean heat budget and its variability from VOS observations	Dr.	Sergey	Gulev	Tues	29-Aug	09h45	1.61

<b>M15</b>	<b>Session Chair</b>			Prof.	Peter	Pilewskie	Tues	29-Aug	08h30	1.62
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<b>M15</b>	919	Effects of aerosol and clouds on the atmospheric energy budget	Dr.	Stefan	Kinne	Tues	29-Aug	08h30	1.62
<b>M15</b>	1188	Impact of biomass burning aerosol layers on the underlying cloud radiative effects in the South East Atlantic	Dr.	Samuel	LeBlanc	Tues	29-Aug	08h45	1.62
<b>M15</b>	543	Radiative impacts of the seasonal variability of clouds over the Amazon Basin	Dr.	Elisa	Sena	Tues	29-Aug	09h00	1.62

<b>M16</b>	<b>Session Chair</b>			Dr.	Zinta	Zommers	Tues	29-Aug	08h30	1.63
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<b>M16</b>	869	State of Climate Change Adaptation Policies and Negotiations	Dr.	Yousef	Mahid	Tues	29-Aug	08h30	1.63
<b>M16</b>	809	The Science of Adaptation to Extreme Heat	Mr.	Ethan	Coffel	Tues	29-Aug	08h50	1.63
<b>M16</b>	1520	Ethics, Social Capital and Climate Resilience	Dr.	Kerry	Bowman	Tues	29-Aug	09h10	1.63
<b>M16</b>	335	The progression of climate change, human rights and human mobility	Dr.	Cosmin	Corendea	Tues	29-Aug	09h30	1.63

<b>P06</b>	<b>Session Chair</b>			Mr.	Lionel	Renault	Tues	29-Aug	09h00	1.64
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<b>P06</b>	1360	Modelling the cyclonic Durban Eddy south of the KwaZulu-Natal Bight, east coast of South Africa	Ms.	Lisa	Guastella	Tues	29-Aug	09h00	1.64
<b>P06</b>	421	A lagrangian study of the surface velocity structure of the Agulhas Current at 34°S	Mr.	Jethan	d'Hotman	Tues	29-Aug	09h15	1.64
<b>P06</b>	1298	Disentangling the link between transport and eddies in the Mozambique Channel	Dr.	Stephane	Pous	Tues	29-Aug	09h30	1.64
<b>P06</b>	141	Broadening not Strengthening of the Agulhas Current since the early 1990s	Prof.	Lisa	Beal	Tues	29-Aug	09h45	1.64

<b>JA1</b>	<b>Session Chair</b>			Mr.	Enrico	Camporeale	Tues	29-Aug	08h30	2.41 - 2.43
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<b>JA1</b>	1383	Dynamic Mapping and Ensemble Modeling of Solar Eruptive Phenomena	Dr.	Barbara	Thompson	Tues	29-Aug	08h30	2.41 - 2.43
<b>JA1</b>	1432	A Unique Method for Non-Linear Force-Free Field Models of Coronal Magnetic Fields: Applications of the the Flux Rope Insertion	Dr.	Antonia	Savcheva	Tues	29-Aug	09h00	2.41 - 2.43
<b>JA1</b>	551	Prediction and Testing of Type II Radio Emission, White Light Images, and CME Properties from the Sun to Earth	Dr.	Iver	Cairns	Tues	29-Aug	09h15	2.41 - 2.43
<b>JA1</b>	317	Space Weather Prediction Through the Observation and Modeling of Coronal Magnetism	Dr.	Sarah	Gibson	Tues	29-Aug	09h30	2.41 - 2.43
<b>JA1</b>	847	Storm time ion composition variations in the near earth plasma sheet using space borne measurements	Ms.	Megha	Pandya	Tues	29-Aug	09h45	2.41 - 2.43

<b>A10</b>		<b>Session Chair</b>	Dr.	Subramanian	Gurubaran	Tues	29-Aug	08h30	2.44 - 2.46
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<b>A10</b>	808	Energetic particle influence on the Earth's atmosphere	Dr.	Irina	Mironova	Tues	29-Aug	08h30	2.44 - 2.46
<b>A10</b>	352	Geomagnetic activity and polar surface air temperature variability - energetic particle precipitation coupling between the magnetosphere, ionosphere and the atmosphere	Dr.	Mark	Clilverd	Tues	29-Aug	09h00	2.44 - 2.46
<b>A10</b>	1527	Survey of CIR-related minor-to-moderate magnetic storm effects on ionosphere: American sector	Dr.	Dalia	Buresova	Tues	29-Aug	09h30	2.44 - 2.46
<b>A10</b>	124	Impacts of SABER CO <sub>2</sub> -based Eddy Diffusion Coefficients in the Lower Thermosphere on the Ionosphere/Thermosphere	Mr.	Cornelius Csar Jude	Salinas	Tues	29-Aug	09h45	2.44 - 2.46

<b>JP2</b>		<b>Session Chair</b>	Prof.	Thomas	Haine	Tue	29-Aug	08h45	2.61 - 2.63
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<b>JP2</b>	768	Impacts of open-ocean deep convection in the Weddell Sea on coastal and bottom water temperature	Prof.	Zhaomin	Wang	Tue	29-Aug	08h45	2.61 - 2.63
<b>JP2</b>	1052	Air-Sea-Ice Interaction Associated with the 2016 Weddell Polynya	Prof.	G.W.K.	Moore	Tue	29-Aug	09h00	2.61 - 2.63
<b>JP2</b>	197	Localized rapid warming of West Antarctic subsurface waters by remote winds	Dr.	Paul	Spence	Tue	29-Aug	09h15	2.61 - 2.63
<b>JP2</b>	642	Glider experiment reveals enhanced submesoscale mixed layer instabilities in the Southern Ocean	Mr.	Marcel	du Plessis	Tue	29-Aug	09h30	2.61 - 2.63
<b>JP2</b>	1149	Observations of Submesoscale Instabilities and Frontal Structure in Drake Passage	Miss.	Giuliana	Viglione	Tue	29-Aug	09h45	2.61 - 2.63

<b>JP1</b>	<b>Session Chair</b>			Prof.	Trevor	McDougall	Tue	29-Aug	08h30	2.64 - 2.66
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<b>JP1</b>	323	The role of submesoscale instabilities in regulating turbulence in the upper ocean	Dr.	Alberto	Naveira Garabato	Tue	29-Aug	08h30	2.64 - 2.66
<b>JP1</b>	386	Internal waves and mixing over the Mid-Atlantic Ridge	Dr.	Clement	Vic	Tue	29-Aug	09h00	2.64 - 2.66
<b>JP1</b>	599	Enhanced water mass property changes due to salt finger evolution in the Tyrrhenian Sea	Ms.	Sara	Durante	Tue	29-Aug	09h15	2.64 - 2.66
<b>JP1</b>	674	Turbulent cooling of an UCDW eddy on the Antarctic continental slope	Dr.	Yueng	Lenn	Tue	29-Aug	09h30	2.64 - 2.66
<b>JP1</b>	899	Observed Scaling and Energetics of Langmuir Turbulence in Shallow Coastal Sea	Dr.	Yutaka	Yoshikawa	Tue	29-Aug	09h45	2.64 - 2.66

<b>JM1</b>	<b>Session Chair</b>			Dr. Prof.	Anne Jhoon	Thompson Kim	Tue	29-Aug	08h30	Roof Terrace
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<b>JM1</b>	1141	Assessing the impact of the anthropocene on atmospheric composition using remote sensing from aircraft and space based instrumentation.	Mr.	John P.	Burrows	Tue	29-Aug	08h30	Roof Terrace
<b>JM1</b>	1073	Observing Air Quality from Geostationary Constellation	Prof.	Jhoon	Kim	Tue	29-Aug	09h00	Roof Terrace
<b>JM1</b>	1464	Integrating Spaceborne and Ground Data to Study Air Quality: Background and Urban-influenced	Dr.	Anne	Thompson	Tue	29-Aug	09h15	Roof Terrace
<b>JM1</b>	1355	Early phase achievement of Chinese carbon dioxide observation satellite (TanSat) Mission	Prof.	Yi	Liu	Tue	29-Aug	09h30	Roof Terrace
<b>JM1</b>	1316	Carbon Monoxide Transport across the Pacific as Seen from the MOPITT Instrument	Dr.	James	Drummond	Tue	29-Aug	09h45	Roof Terrace

## Session 2 10h30 - 12h00

A02	<b>Session Chair</b>		Dr.	Phil	Livermore	Tues	29-Aug	10h30	1.41
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A02	533	Probing the core surface flow with satellite data	Prof.	Kathy	Whaler	Tues	29-Aug	10h30	1.41
A02	1077	The inner core's 3-D rotation under the mantle-inner core gravitational coupling: A revisit	Prof.	Benjamin Fong	Chao	Tues	29-Aug	11h00	1.41
A02	728	Effects of lateral CMB heat flow variations on a thermally stratified outer core	Dr.	Grace	Cox	Tues	29-Aug	11h15	1.41
A02	313	Are laminar and turbulent hydromagnetic dynamos dependent on the Prandtl number?	Dr.	Jan	Simkanin	Tues	29-Aug	11h30	1.41
A02	1179	Initial iron-60 abundance in the solar nebula constrained by delayed onset of a planetesimal dynamo	Dr.	Huapei	Wang	Tues	29-Aug	11h45	1.41

A08 A40	<b>Session Chair</b>		Prof.	Oliver	Livermore	Tues	29-Aug	10h30	1.42
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A08 A40	1081	New and revised crustal and upper mantle terrane boundaries in Southern Africa: Implications for regional metallogenesis	Dr.	David	Khoza	Tues	29-Aug	10h30	1.42
A08 A40	1123	MT imaging of golden deposits across the SW Amazon Craton, Brazil	Miss.	Clarisse	Monteiro Fernandes	Tues	29-Aug	11h00	1.42
A08 A40	1392	Modern concepts for exploration and monitoring using CSEM on land	Prof.	Oliver	Ritter	Tues	29-Aug	11h15	1.42
A08 A40	203	Magnetic anisotropy of Silurian organic-rich shales and carbonate concretions from Northern Poland	Miss.	Dominika	Niezabitowska	Tues	29-Aug	11h30	1.42
A08 A40	749	Controlled Source Electromagnetic Modelling of Hydraulic Fracturing	Mr.	Matthew	Couchman	Tues	29-Aug	11h45	1.42

<b>A28</b>	<b>Session Chair</b>			Dr.	Gregory	Fleishman	Tues	29-Aug	10h30	1.43
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<b>A28</b>	1055	Solar flare observations from ground-based and space-borne observatories	Dr.	Lucia	Kleint	Tues	29-Aug	10h30	1.43
<b>A28</b>	1382	Observations and modelling of escaping solar energetic particles	Dr.	Olga	Malandraki	Tues	29-Aug	11h00	1.43
<b>A28</b>	735	Determining the Frequency of Coronal Heating with the Marshall Grazing Incidence X-ray Spectrometer	Dr.	Sabrina	Savage	Tues	29-Aug	11h30	1.43
<b>A28</b>	General Discussion					Tues	29-Aug	11h45	1.43

<b>M05</b>	<b>Session Chair</b>			Dr. Dr.	Corinna Yan	Hoose Yin	Tues	29-Aug	10h30	1.44
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<b>M05</b>	525	Balloon-borne measurements of aerosol size distributions using the Universal Cloud and Aerosol Sounding System (UCASS) during the ICE-D campaign	Dr.	Helen	Smith	Tues	29-Aug	10h30	1.44
<b>M05</b>	563	The ground-based observation of aerosol optical properties from the China Aerosol Remote Sensing Network (CARSNET)	Prof.	Huizheng	Che	Tues	29-Aug	10h45	1.44
<b>M05</b>	1489	Aerosol decreases in recent years over the Sichuan Basin, China: A perspective from MODIS observations	Prof.	Xiaobo	Zheng	Tues	29-Aug	11h00	1.44
<b>M05</b>	218	The effective radiative forcing of partial internally and externally mixed aerosols and their effects on global climate	Prof.	Hua	Zhang	Tues	29-Aug	11h15	1.44
<b>M05</b>	1354	Investigation of the optical properties of aerosol particles in a super-ellipsoidal shape space	Dr.	Lei	Bi	Tues	29-Aug	11h30	1.44
<b>M05</b>	147	Size change of dust particles and their settling to the ocean influenced by sea salt and sulfate in marine near surface air	Dr.	Daizhou	Zhang	Tues	29-Aug	11h45	1.44
<b>M05</b>	441	Linear depolarization ratio of varied ice crystal habits: lessons from laboratory measurements and Ray Tracing simulations	Prof.	Ann	Webb	Tues	29-Aug	12h00	1.44

<b>M20</b>	<b>Session Chair</b>			Prof. Dr.	Noel Hisashi	Keenlyside Nakamura	Tues	29-Aug	10h30	1.61
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<b>M20</b>	617	Climate Dynamics and Regional Climate Change: The CLIVAR Climate Dynamics Panel	Prof.	Mat	Collins	Tues	29-Aug	10h30	1.61
<b>M20</b>	346	Coupled SST-windstress interactions in climate models and assessment using new observations	Dr.	Malcolm	Roberts	Tues	29-Aug	10h45	1.61
<b>M20</b>	1393	Ocean atmosphere interactions on different scales as simulated with AWI-CM	Dr.	Dmitry	Sein	Tues	29-Aug	11h00	1.61
<b>M20</b>	598	Submesoscale air-sea coupling over the California Upwelling System	Mr.	Lionel	Renault	Tues	29-Aug	11h15	1.61
<b>M20</b>	1305	Dynamics of the wind stress response to ocean mesoscale surface temperatures	Dr.	Niklas	Schneider	Tues	29-Aug	11h30	1.61
<b>M20</b>	1243	Intrinsic interannual variability in the western boundary currents	Dr.	Masami	Nonaka	Tues	29-Aug	11h45	1.61

<b>M15</b>	<b>Session Chair</b>			Prof.	Werner	Schmutz	Tues	29-Aug	10h30	1.62
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<b>M15</b>	867	The contribution of greenhouse gases to the recent slowdown in global mean temperature trends	Dr.	Michaela	Hegglin	Tues	29-Aug	10h30	1.62
<b>M15</b>	1127	Assessment of the direct radiative effect of the 2017 Chilean wildfire smoke plume	Dr.	Piet	Stammes	Tues	29-Aug	11h00	1.62
<b>M15</b>	682	Influence of the land-atmosphere coupling on cloud development and precipitation over Southeastern Brazil	Ms.	Daniela	Rodrigues	Tues	29-Aug	11h15	1.62

<b>M16</b>	<b>Session Chair</b>		Dr.	Zinta	Zommers	Tues	29-Aug	10h30	1.63
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<b>M16</b>	1008	Urban landscapes: How urbanization, climate change and the urban environment are shaping the Earth	Ms.	Julie	Greenwalt	Tues	29-Aug	10h30	1.63
<b>M16</b>	1453	Urban heat island and adaptation on climate change	Mr.	Tomas	Halenka	Tues	29-Aug	10h50	1.63
<b>M16</b>	362	Managing flood risk in the Thames Estuary: The Thames Estuary 2100 (TE2100) project, putting climate change adaptation into practice	Mr.	Darren	Lumbroso	Tues	29-Aug	11h10	1.63
<b>M16</b>	1409	Links between quality of housing, community based adaptation and climate change	Mr.	Runyararo Newton	Matandirotya	Tues	29-Aug	11h30	1.63

<b>P06</b>	<b>Session Chair</b>		Dr.	Marjolaine	Krug	Tues	29-Aug	10h30	1.64
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<b>P06</b>	445	The East Australian Current System - An observational description	Mr.	Ken	Ridgway	Tues	29-Aug	10h30	1.64
<b>P06</b>	217	Influence of the East Australian Current on shelf dynamics and upwellings from moorings, gliders and HF radar observations	Dr.	Amandine	Schaeffer	Tues	29-Aug	11h00	1.64
<b>P06</b>	566	The role of forcing variability in eddy shedding and the southward extent of the East Australian Current extension	Mr.	Christopher	Bull	Tues	29-Aug	11h15	1.64
<b>P06</b>	601	Observed eddy dissipation in the Agulhas Current	Miss.	Laura	Braby	Tues	29-Aug	11h30	1.64
<b>P06</b>	589	The impact of large Agulhas Current meanders on Shelf Waters	Mr.	Neil	Malan	Tues	29-Aug	11h45	1.64

<b>JA1</b>	<b>Session Chair</b>			Mr.	Enrico	Camporeale	Tue	29-Aug	10h30	2.41 - 2.43
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<b>JA1</b>	70	Information theoretical approach to discovering solar wind drivers of the outer radiation belt	Dr.	Simon	Wing	Tue	29-Aug	10h30	2.41 - 2.43
<b>JA1</b>	837	Integrated Modeling Studies in the Project for Solar-Terrestrial Environment Prediction (PSTEP)	Dr.	Kanya	Kusano	Tue	29-Aug	11h00	2.41 - 2.43
<b>JA1</b>	1148	A New Scheme to Infer the Maximum Dst of Earth-directed CMEs	Dr.	Spiros	Patsourakos	Tue	29-Aug	11h30	2.41 - 2.43
<b>JA1</b>	842	Characteristics of partial ring current during geomagnetic storms and substorms	Dr.	Sandeep	Kumar	Tue	29-Aug	11h45	2.41 - 2.43

<b>A10</b>	<b>Session Chair</b>			Dr.	Federico	Gasperini	Tues	29-Aug	10h30	2.44 - 2.46
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<b>A10</b>	160	Kelvin wave coupling from timed and goce: inter/intra-annual variability and solar activity effects.	Dr.	Federico	Gasperini	Tues	29-Aug	10h30	2.44 - 2.46
<b>A10</b>	144	On the Relationship between Sporadic-E and ENSO Observed by FORMOSAT-3/COSMIC	Dr.	Loren	Chang	Tues	29-Aug	11h00	2.44 - 2.46
<b>A10</b>	375	Satellite observations of atmosphere-ionosphere vertical coupling by gravity waves	Dr.	Thai	Trinh	Tues	29-Aug	11h30	2.44 - 2.46
<b>A10</b>	376	Turbulence and Wave Transport in the Mesopause Region	Prof.	Alan	Liu	Tues	29-Aug	11h45	2.44 - 2.46

<b>JP2</b>	<b>Session Chair</b>		Dr.	Sebastiaan	Swart	Tue	29-Aug	10h30	2.61 - 2.63
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<b>JP2</b>	314	Wind-controlled export of Antarctic Bottom Water from the Weddell Gyre	Dr.	Alberto	Naveira Garabato	Tue	29-Aug	10h30	2.61 - 2.63
<b>JP2</b>	1342	Physical processes involved in the response of Southern Ocean sea ice to increased freshwater release from antarctic glaciers.	Dr.	Julien	Le Sommer	Tue	29-Aug	11h00	2.61 - 2.63
<b>JP2</b>	1341	Southern Ocean diabatic eddy heat flux response to altered northern boundary conditions.	Miss.	Helen	Burns	Tue	29-Aug	11h15	2.61 - 2.63
<b>JP2</b>	814	Seasonal changes in Circumpolar Deep Water in the Amundsen Sea, Antarctica, using seal-borne tags	Ms.	Helen	Mallett	Tue	29-Aug	11h30	2.61 - 2.63
<b>JP2</b>	740	Variability of the Antarctic slope current system in the northwestern Weddell Sea	Ms.	Marina	do Valle Chagas Azaneu	Tue	29-Aug	11h45	2.61 - 2.63

<b>JP1</b>	<b>Session Chair</b>		Dr.	Yueng	Lenn	Tue	29-Aug	10h30	2.64 - 2.66
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<b>JP1</b>	983	Mixing and Circulation in Two Tropical Oxygen Minimum Zones determined by Tracer Release Experiments	Prof.	Martin	Visbeck	Tue	29-Aug	10h30	2.64 - 2.66
<b>JP1</b>	967	Eddy dissipation by interaction with internal waves in the Drake Passage	Mr.	Jesse	Cusack	Tue	29-Aug	11h00	2.64 - 2.66
<b>JP1</b>	1119	The contribution of internal waves to continental shelf seas turbulence and mixing	Miss.	Anastasiia	Domina	Tue	29-Aug	11h15	2.64 - 2.66

<b>JM1</b>	<b>Session Chair</b>			Dr. Prof	Anne Jhoon	Thompson Kim	Tue	29-Aug	10h30	Roof Terrace
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<b>JM1</b>	516	Long-term Remote Sensing of Hydrometeor Size over the Amazon Basin	Prof.	Alex	Correia	Tue	29-Aug	10h30	Roof Terrace
<b>JM1</b>	1007	What TANSO-FTS onboard GOSAT has measured for 8 years with its high spectral resolution, wide spectral range, and agile pointing capability?	Dr.	Akihiko	Kuze	Tue	29-Aug	10h45	Roof Terrace
<b>JM1</b>	344	Towards Unified Reporting of Errors (TUNER)	Dr.	Thomas	von Clarmann	Tue	29-Aug	11h00	Roof Terrace
<b>JM1</b>	106	The SPARC Water Vapour Assessment (WAVAS) activity, phase II: Goals, methods, and status	Dr.	Gabriele	Stiller	Tue	29-Aug	11h15	Roof Terrace
<b>JM1</b>	1349	Development of geophysical products from the new generation of Korean geostationary meteorological satellite Geo-KOMPSAT-2A	Mr.	Sung-Rae	Chung	Tue	29-Aug	11h30	Roof Terrace

### Session 3 13h30 - 15h00

<b>A14</b>	<b>Session Chair</b>			Prof.	Craig	Rodger	Tues	29-Aug	13h30	1.41
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<b>A14</b>	101	Energetic Particle Precipitation Impacts and Coupling (EPPIC)	Dr.	Daniel	Baker	Tues	29-Aug	13h30	1.41
<b>A14</b>	290	Drivers of relativistic electron microbursts and their atmospheric impacts	Miss.	Emma	Douma	Tues	29-Aug	13h45	1.41
<b>A14</b>	879	Precipitating Energetic Electron Observations by the AC6 Cubesat Pair	Dr.	J Bernard	Blake	Tues	29-Aug	14h00	1.41
<b>A14</b>	348	Evaluation of modeled NOx and ozone responses to energetic electron precipitation in the South Hemispheric winter	Mr.	Pavle	Arsenovic	Tues	29-Aug	14h15	1.41
<b>A14</b>	680	Direct and indirect electron precipitation effect on nitric oxide using a full range energy spectrum	Dr.	Hilde Nesse	Tyssøy	Tues	29-Aug	14h30	1.41
<b>A14</b>	694	Energetic Particle Precipitation impact on mesospheric OH and variability of the sources and the background atmosphere	Ms.	Annet Eva	Zawedde	Tues	29-Aug	14h45	1.41

<b>A24</b>	<b>Session Chair</b>			Dr.	Jay	Johnson	Tues	29-Aug	13h30	1.42
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<b>A24</b>	678	The dynamics and structure of current systems during dipolarization events	Mr.	Larry	Kepko	Tues	29-Aug	13h30	1.42
<b>A24</b>	1181	Field Line Mapping with Electron Beams	Dr.	Jay	Johnson	Tues	29-Aug	13h45	1.42
<b>A24</b>	744	Space-ground coordinated observations of subauroral ion drifts	Dr.	Toshi	Nishimura	Tues	29-Aug	14h00	1.42
<b>A24</b>	1531	On the Heating of Plasma in Kelvin-Helmholtz Vortices	Prof.	Katariina	Nykyri	Tues	29-Aug	14h30	1.42

<b>A29</b>	<b>Session Chair</b>			Dr.	John	Richardson	Tues	29-Aug	13h30	1.43
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<b>A29</b>	234	Formation of the Earth magnetopause	Prof.	Zdenek	Nemecek	Tues	29-Aug	13h30	1.43
<b>A29</b>	550	The Magnetopause and Associated Boundary Layers	Dr.	Steven	Petrinec	Tues	29-Aug	14h00	1.43
<b>A29</b>	622	Small-scale turbulence in the Earth's magnetosheath affected by the bow shock and the magnetopause	Mrs.	Liudmila	Rakhmanova	Tues	29-Aug	14h30	1.43
<b>A29</b>	471	The transport of energetic particles across tangential discontinuities	Dr.	Du Toit	Strauss	Tues	29-Aug	14h45	1.43

<b>M05</b>	<b>Session Chair</b>			Dr. Prof.	Ottmar Zev	Möhler Levin	Tues	29-Aug	13h30	1.44
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<b>M05</b>	764	Effects of the surface heat flux on the cloud development and behavior over the Tibetan Plateau in boreal summer	Dr.	Jinghua	Chen	Tues	29-Aug	13h30	1.44
<b>M05</b>	569	Effects of Entrainment-Mixing Processes on Relative Dispersions of Cloud Droplet Size Distributions	Mr.	Chunsong	Lu	Tues	29-Aug	13h45	1.44
<b>M05</b>	765	Aircraft measurements of aerosol spatial distribution and relation with cloud over Eastern China	Dr.	Jian	Hao	Tues	29-Aug	14h00	1.44
<b>M05</b>	1317	A missed sea salt aerosol (SSA) CCN source from the sea ice covered zone	Dr.	Xin	Yang	Tues	29-Aug	14h15	1.44
<b>M05</b>	909	Modelling of water isotope ratios in a 1.5D bin-resolved cloud microphysics model	Prof.	Andrea	Flossmann	Tues	29-Aug	14h30	1.44

<b>M16</b>	<b>Session Chair</b>			Dr.	Zinta	Zommers	Tues	29-Aug	13h30	1.61
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<b>M16</b>	1318	Social capital as a determinant of resilience: Implications for adaptation policy	Ms.	Siobhan	Kerr	Tues	29-Aug	13h30	1.61
<b>M16</b>	1368	Promoting innovative dialogue for Resilience: Evidence and Learning from BRACED	Ms.	Bettina	Koelle	Tues	29-Aug	13h50	1.61
<b>M16</b>	853	Climate change, climate extremes and global food production and the need for adaptation in the agricultural sector	Ms.	Elisabeth	Vogel	Tues	29-Aug	14h10	1.61

<b>A12</b>	<b>Session Chair</b>			Dr.	Jan	Lastovicka	Tues	29-Aug	13h30	1.62
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<b>A12</b>	159	Influences on ray tracing modeling of ionospheric trends induced by Earth's magnetic field and anthropogenic effects	Dr.	Ana G.	Elias	Tues	29-Aug	13h30	1.62
<b>A12</b>	125	Long-term Increase of SABER/TIMED Global-mean CO <sub>2</sub> based Eddy Diffusion Coefficients in the Mesosphere and Lower Thermosphere	Mr.	Cornelius Csar Jude	Salinas	Tues	29-Aug	14h00	1.62
<b>A12</b>	482	Low-latitude mesospheric wave dynamical variability over large- and short-timescales	Mr.	Ravindra P	Singh	Tues	29-Aug	14h30	1.62
<b>A12</b>	513	Long-term temperature trends in the 35-65 km range by Rayleigh Lidar measurements at 23°S from 1993 to 2016	Dr.	Paulo	Batista	Tues	29-Aug	15h00	1.62

<b>M17</b>	<b>Session Chair</b>			Prof.	Alice	Grimm	Tues	29-Aug	13h30	1.63
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<b>M17</b>	747	Understanding Regional Projections of Extreme Precipitation	Dr.	Xuebin	Zhang	Tues	29-Aug	13h30	1.63
<b>M17</b>	461	Improved representation of European precipitation in a 25-km atmospheric global circulation model	Dr.	Reinhard	Schiemann	Tues	29-Aug	13h45	1.63
<b>M17</b>	476	Complexity in estimating past and future extreme short-duration rainfall	Dr.	Xuebin	Zhang	Tues	29-Aug	14h00	1.63
<b>M17</b>	980	The challenge of correctly representing changes in regional precipitation extremes and droughts in climate models	Dr.	Prashant	Sardeshmukh	Tues	29-Aug	14h15	1.63
<b>M17</b>	19	Influence of quasi-biennial oscillation on the drought conditions and cereal crop yields in Ukraine	Dr.	Inna	Semenova	Tues	29-Aug	14h45	1.63

<b>P06</b>	<b>Session Chair</b>		Dr.	Amandine	Schaeffer	Tues	29-Aug	13h30	1.64
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<b>P06</b>	724	Challenges in Western Boundary Currents Modeling	Dr.	Pierrick	Penven	Tues	29-Aug	13h30	1.64
<b>P06</b>	591	Modulation of Western Boundary Currents by Oceanic Current Interactions with the Atmosphere	Mr.	Lionel	Renault	Tues	29-Aug	14h00	1.64
<b>P06</b>	1270	Wind Increase above Agulhas Eddies	Prof.	Mathieu	Rouault	Tues	29-Aug	14h15	1.64
<b>P06</b>	914	Signature of the Agulhas Current in ASAR derived wind fields	Dr.	Marjolaine	Krug	Tues	29-Aug	14h30	1.64
<b>P06</b>	585	Impact of a fully resolved mesoscale on the dynamics in the Agulhas Current system	Dr.	Franziska	Schwarzkopf	Tues	29-Aug	14h45	1.64
<b>P06</b>	1366	Impacts of Agulhas Leakage on the western boundary systems of the Tropical Atlantic Ocean	Dr.	Paola	Castellanos	Tues	29-Aug	15h00	1.64

<b>JA1</b>	<b>Session Chair</b>		Dr.	Sarah	Gibson	Tue	29-Aug	13h30	2.41 - 2.43
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<b>JA1</b>	707	Space weather in the Saturnian System	Dr.	Maria	Andriopoulou	Tue	29-Aug	13h30	2.41 - 2.43
<b>JA1</b>	1034	The relationship between Na exospheric emission and Space Weather at Mercury	Dr.	Stefano	Orsini	Tue	29-Aug	14h00	2.41 - 2.43
<b>JA1</b>	309	Space Weather at Mars - Measurements from the Surface of Mars with RAD on the Mars Science Laboratory	Dr.	Donald	Hassler	Tue	29-Aug	14h30	2.41 - 2.43
<b>JA1</b>	736	In Situ Observations of Solar Wind Heliospheric Current Sheet Propagation and their relation to the Solar Coronal field	Dr.	Yong	Liu	Tue	29-Aug	14h45	2.41 - 2.43

<b>A10</b>	<b>Session Chair</b>		Dr.	Irina	Mironova	Tues	29-Aug	13h30	2.44 - 2.46
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<b>A10</b>	1192	Small-scale gravity wave effects on the thermospheric diurnal migrating tide	Dr.	Erdal	Yigit	Tues	29-Aug	13h30	2.44 - 2.46
<b>A10</b>	933	Characteristics of the small-scale mesospheric gravity waves observed with an airborne Advanced Mesospheric Temperature Mapper	Dr.	Pierre-Dominique	Pautet	Tues	29-Aug	13h45	2.44 - 2.46
<b>A10</b>	1446	Study on gravity waves using ground based and satellite measurements	Dr.	Igo	Paulino	Tues	29-Aug	14h00	2.44 - 2.46
<b>A10</b>	83	Coseismic infrasound in the ionosphere by continuous Doppler sounding	Dr.	Jaroslav	Chum	Tues	29-Aug	14h15	2.44 - 2.46
<b>A10</b>	1009	Atmosphere-Ionosphere Coupling during the 11 March 2011 M9.0 Tohoku Earthquake and Tsunami	Dr.	Jann-Yenq	Liu	Tues	29-Aug	14h45	2.44 - 2.46

<b>JP2</b>	<b>Session Chair</b>							Tue	29-Aug	13h30	2.61 - 2.63
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<b>JP2</b>	308	Antarctic Peninsula Climate Variability and Change	Prof.	John	Turner	Tue	29-Aug	13h30	2.61 - 2.63
<b>JP2</b>	676	The surface energy budget in the sea ice zone	Dr.	Alexandra	Weiss	Tue	29-Aug	14h00	2.61 - 2.63
<b>JP2</b>	456	Trends in surface meteorological conditions over West Antarctica during austral summer, 1979-2015 from a regional atmospheric model	Dr.	Pranab	Deb	Tue	29-Aug	14h15	2.61 - 2.63
<b>JP2</b>	541	Understanding the Structure of Atmospheric Boundary Layer in Response to the Synoptic Forcing over the Southern Ocean	Prof.	Steve	Siems	Tue	29-Aug	14h30	2.61 - 2.63
<b>JP2</b>	753	Evaluating Highest Temperature Extremes in the Antarctic	Dr.	Matthew	Lazzara	Tue	29-Aug	14h45	2.61 - 2.63

<b>JP3</b>	<b>Session Chair</b>				Dr.	Helen	Phillips	Tue	29-Aug	13h30	2.64 - 2.66
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<b>JP3</b>	687	Observed Agulhas Current sensitivity to interannual climate forcings	Dr.	Shane	Elipot	Tue	29-Aug	13h30	2.64 - 2.66
<b>JP3</b>	189	Indian Ocean sources of Agulhas leakage	Dr.	Jonathan	Durgadoo	Tue	29-Aug	14h00	2.64 - 2.66
<b>JP3</b>	1228	Mesoscale activity in the Comoros Basin	Dr.	Charine	Collins	Tue	29-Aug	14h15	2.64 - 2.66
<b>JP3</b>	359	Lagrangian evolution of Madagascar cyclonic eddies from two dedicated Argo floats experiments	Ms.	Tamaryn	Morris	Tue	29-Aug	14h30	2.64 - 2.66
<b>JP3</b>	1201	Mean equatorial upwelling induced by intraseasonal Mixed Rossby-Gravity waves in the Indian Ocean	Prof.	Yukio	Masumoto	Tue	29-Aug	14h45	2.64 - 2.66

<b>M01</b>	<b>Session Chair</b>				Prof.	Russell	Dickerson	Tues	29-Aug	13h30	Roof Terrace
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<b>M01</b>	1365	Human driven changes in the marine atmosphere and in the nutrient deposition to the global ocean. A tribute to R. von Glasow	Prof.	Maria	Kanakidou	Tues	29-Aug	13h30	Roof Terrace
<b>M01</b>	1267	Contribution of marine aerosols to the total columnar aerosol loading over Ascension Island	Dr.	Joseph	Adesina	Tues	29-Aug	14h00	Roof Terrace
<b>M01</b>	1193	Aircraft observations of sulfur dioxide transport to the UTLS from major source regions	Dr.	Hans	Schlager	Tues	29-Aug	14h15	Roof Terrace

**Session 4  
15h30 - 17h00**

<b>A14</b>	<b>Session Chair</b>		Dr.	Hilde Nesse	Tyssøy	Tues	29-Aug	15h30	1.41
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<b>A14</b>	630	Ultra Low Frequency Waves and Energetic Particle Precipitation	Dr.	Clare	Watt	Tues	29-Aug	15h30	1.41
<b>A14</b>	526	Confirmation of EMIC wave driven relativistic electron precipitation	Prof.	Craig	Rodger	Tues	29-Aug	15h45	1.41
<b>A14</b>	766	Energetic electron precipitations at auroral and sub-auroral latitudes associated with substorm-induced injection, EMIC wave, and ULF pulsation	Dr.	Fuminonri	Tsuchiya	Tues	29-Aug	16h00	1.41
<b>A14</b>	336	Influence of energetic particle precipitation on Antarctic stratospheric ozone	Dr.	Alessandro	Damiani	Tues	29-Aug	16h15	1.41
<b>A14</b>	852	Climate Impact of Polar Mesospheric and Stratospheric Ozone Losses due to Energetic Particle Precipitation	Mrs.	Katharina	Meraner	Tues	29-Aug	16h30	1.41
<b>A14</b>	320	Electron precipitation from the outer radiation belt during the St Patrick's Day storm	Dr.	Mark	Clilverd	Tues	29-Aug	16h45	1.41

<b>A24</b>	<b>Session Chair</b>		Dr.	Jay	Johnson	Tues	29-Aug	15h30	1.42
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<b>A24</b>	1511	Challenges in Understanding and Modeling Subauroral Polarization Streams (SAPS)	Dr.	Phillip	Anderson	Tues	29-Aug	15h30	1.42
<b>A24</b>	1125	Ring current spatio-temporal evolution affected by plasma sheet conditions and magnetosphere-ionosphere coupling	Dr.	Kunihiro	Keika	Tues	29-Aug	15h45	1.42
<b>A24</b>	1172	Transport of Entropy Structures in the Magnetotail	Dr.	Jay	Johnson	Tues	29-Aug	16h00	1.42
<b>A24</b>	190	Plasma Upflow from the Earth's Upper Atmosphere during a Solar Minimum	Mr.	Timothy	David	Tues	29-Aug	16h15	1.42
<b>A24</b>	721	The time response of the plasmashet Earth O+ density to the solar wind	Dr.	Romain	Maggiolo	Tues	29-Aug	16h30	1.42

<b>A29</b>	<b>Session Chair</b>		Dr.	Du Toit	Strauss	Tues	29-Aug	15h30	1.43
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<b>A29</b>	321	How are isolated magnetic field structures in Mercury's magnetosheath related to the bow shock?	Dr.	Tomas	Karlsson	Tues	29-Aug	15h30	1.43
<b>A29</b>	380	Voyager data from the heliosheath and interstellar medium: An overview	Dr.	John	Richardson	Tues	29-Aug	16h00	1.43
<b>A29</b>	419	The Plasma Depletion Layer Beyond the Heliopause: Spatiotemporal Variations and Radio Emissions	Prof.	Iver	Cairns	Tues	29-Aug	16h15	1.43
<b>A29</b>	722	Magnetic field fluctuations and energetic particles at the boundary of the heliosphere	Dr.	Vladimir	Florinski	Tues	29-Aug	16h45	1.43
<b>A29</b>	338	Numerical Simulation of Cosmic Rays Effects on the Structure of the Outer Heliosphere	Dr.	Xiaocheng	Guo	Tues	29-Aug	17h15	1.43

<b>M16</b>	<b>Session Chair</b>			Dr.	Zinta	Zommers	Tues	29-Aug	15h30	1.61
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<b>M16</b>	1420	Environmental, Agricultural and Health Impacts of Solar Geoengineering	Dr.	Christopher	Trisos	Tues	29-Aug	15h30	1.61
<b>M16</b>	926	Climate Resilient Development in Fragile Contexts	Dr.	Sarah	Henly-Shepard	Tues	29-Aug	15h50	1.61
<b>M16</b>	1269	What constitutes "success" in adaptation?	Dr.	Anand	Patwardhan	Tues	29-Aug	16h10	1.61
<b>M16</b>	67	Challenges in building climate resilient quality energy infrastructure in Africa	Dr.	Ashbindu	Singh	Tues	29-Aug	16h30	1.61
<b>M16</b>	984	The Need for Evidence and Intelligent Tinkering in Climate Change Adaptation	Dr.	Zinta	Zommers	Tues	29-Aug	16h50	1.61
<b>M16</b>	182	Community-based Climate Adaptation: Alaska Native Communities Design a Relocation Process to Protect Their Human Rights	Dr.	Robin	Bronen	Tues	29-Aug	17h10	1.61

<b>M15</b>	<b>Session Chair</b>			Dr.	Samuel	LeBlanc	Tues	29-Aug	15h30	1.62
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<b>M15</b>	210	Variations in the Earth color and brightness as observed by DSCOVR/EPIC	Dr.	Alexander	Marshak	Tues	29-Aug	15h30	1.62
<b>M15</b>	502	First light measurements of the Total Solar Irradiance experiment CLARA on NORSAT-1	Prof.	Werner	Schmutz	Tues	29-Aug	15h45	1.62
<b>M15</b>	519	Climate Monitoring from the International Space Station: TSIS and CLARREO Pathfinder	Prof.	Peter	Pilewskie	Tues	29-Aug	16h15	1.62

<b>M17</b>	<b>Session Chair</b>		Dr.	Reinhard	Schiemann	Tues	29-Aug	15h30	1.63
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<b>M17</b>	1325	Extended-range prediction of high-impact weather in South American monsoon: the importance of the models skill in simulating the MJO impacts	Prof.	Alice	Grimm	Tues	29-Aug	15h30	1.63
<b>M17</b>	1076	Ensemble Simulations of a Severe Flood over South China with a General Circulation Model IAP AGCM4.1	Dr.	He	Zhang	Tues	29-Aug	16h00	1.63
<b>M17</b>	294	Cloud Resolving Ensemble Simulation of a Local Heavy Rainfall Event on 26 August 2011 Observed in TOMACS	Dr.	Kazuo	Saito	Tues	29-Aug	16h15	1.63
<b>M17</b>	1482	APHRODITE-2: Asian Precipitation -- Highly Resolved Observational Data Integration Towards Evaluation of Extreme Events	Dr.	Akiyo	Yatagai	Tues	29-Aug	16h30	1.63

<b>JA1</b>	<b>Session Chair</b>		Dr.	Sarah	Gibson	Tue	29-Aug	15h30	2.41 - 2.43
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<b>JA1</b>	1059	Ground-based space science from polar regions	Dr.	Michael	Kosch	Tue	29-Aug	15h30	2.41 - 2.43
<b>JA1</b>	1224	Ionospheric Specifications and Forecasts using the GAIM Data Assimilation Models	Dr.	Ludger	Scherliess	Tue	29-Aug	16h00	2.41 - 2.43
<b>JA1</b>	275	Carbon Dioxide Trends in the Mesosphere and Lower Thermosphere	Dr.	Liyang	Qian	Tue	29-Aug	16h15	2.41 - 2.43
<b>JA1</b>	968	Separating different contributions for the South Atlantic Anomaly variability	Dr.	Joao	Domingos	Tue	29-Aug	16h30	2.41 - 2.43

<b>A10</b>	<b>Session Chair</b>			Dr.	Erdal	Yigit	Tues	29-Aug	15h30	2.44 - 2.46
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<b>A10</b>	1479	Application of the phase velocity spectral analysis of the airglow imaging to the gravity waves studies	Prof.	Takuji	Nakamura	Tues	29-Aug	15h30	2.44 - 2.46
<b>A10</b>	874	Radar observations of atmospheric gravity waves in the MLT region from low latitudes	Dr.	Subramanian	Gurubaran	Tues	29-Aug	15h45	2.44 - 2.46
<b>A10</b>	114	Application of satellite sensing and model study for research acoustic gravity waves in the troposphere-ionosphere coupling system	Mrs.	Olga	Borchevkina	Tues	29-Aug	16h00	2.44 - 2.46
<b>A10</b>	85	Infrasound in the ionosphere from typhoons	Dr.	Jaroslav	Chum	Tues	29-Aug	16h15	2.44 - 2.46
<b>A10</b>	932	Unexpected occurrence of mesospheric frontal events over South Pole (90S)	Dr.	Pierre-Dominique	Pautet	Tues	29-Aug	16h30	2.44 - 2.46
<b>A10</b>	1302	The strong ULF/ELF/VLF emissions in the ionosphere and upper atmosphere associated with the fluxes of the energetic electrons	Prof.	Jan	Blecki	Tues	29-Aug	16h45	2.44 - 2.46

<b>JP2</b>	<b>Session Chair</b>			Dr.	Alexandra	Weiss	Tue	29-Aug	15h30	2.61 - 2.63
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<b>JP2</b>	1080	Cloud-aerosol-precipitation processes over the Southern Ocean - what are we missing?	Dr.	Yi	Huang	Tue	29-Aug	15h30	2.61 - 2.63
<b>JP2</b>	1122	Observations of clouds over the Weddell Sea during the Austral Summer	Dr.	Tom	Lachlan-Cope	Tue	29-Aug	15h45	2.61 - 2.63
<b>JP2</b>	1296	Comparison on A-Train cloud microphysical properties with in-situ measurements over the winter-time Southern Ocean	Prof.	Steve	Siems	Tue	29-Aug	16h00	2.61 - 2.63
<b>JP2</b>	111	Impact of Atmospheric Model Physics on Coupled Arctic Climate Simulations	Prof.	John	Cassano	Tue	29-Aug	16h15	2.61 - 2.63
<b>JP2</b>	128	Cloud structure and phase at Cape Grim, Macquarie Island and over the Southern Ocean	Dr.	Simon	Alexander	Tue	29-Aug	16h30	2.61 - 2.63

<b>JP3</b>	<b>Session Chair</b>			Dr.	Francis	Marsac	Tue	29-Aug	15h30	2.64 - 2.66
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<b>JP3</b>	639	BoBBLE (Bay of Bengal Boundary Layer Experiment ): Exploring the ocean-atmosphere system in the southern Bay of Bengal during the summer monsoon	Prof.	P N	Vinayachandran	Tue	29-Aug	15h30	2.64 - 2.66
<b>JP3</b>	1508	Role of sub-surface intensified eddies in the southern Indian Ocean	Mr.	Fehmi	Dilmahamod	Tue	29-Aug	16h00	2.64 - 2.66
<b>JP3</b>	1221	Identifying pathways between the South Indian Ocean and Leeuwin Current System	Dr.	Helen	Phillips	Tue	29-Aug	16h15	2.64 - 2.66
<b>JP3</b>	394	Nitrous oxide and hydroxylamine measurements in the southwest Indian Ocean	Dr.	Damian L.	Arévalo-Martínez	Tue	29-Aug	16h30	2.64 - 2.66
<b>JP3</b>	1314	Monsoonal influence on the development of the Island Mass Effect in the Northern Indian Ocean	Ms.	Danielle	Su	Tue	29-Aug	16h45	2.64 - 2.66

<b>M01</b>	<b>Session Chair</b>			Dr.	Anne	Thompson	Tues	29-Aug	15h30	Roof Terrace
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<b>M01</b>	184	Origin of the seasonal cycle of columnar methane observed by GOSAT over South Asia	Prof.	Sachiko	Hayashida	Tues	29-Aug	15h30	Roof Terrace
<b>M01</b>	381	The Stratosphere-Troposphere processes and their role in Climate (SPARC) Project	Dr.	Fiona	Tummon	Tues	29-Aug	16h00	Roof Terrace

**Joint Assembly 2017 - Scientific Programme  
Wednesday, 30 August 2017**

**Session 1  
08h30 - 10h00**

<b>A03</b>		<b>Session Chair</b>	Dr.	Gillian	Turner	Wed	30-Aug	08h30	1.41
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<b>A03</b>	1478	On Models of Growth and Decay of Earth's Dipole Moment	Prof.	Catherine	Constable	Wed	30-Aug	08h30	1.41
<b>A03</b>	490	Archeomagnetic intensity spikes – how unusual are they?	Dr.	Monika	Korte	Wed	30-Aug	09h00	1.41
<b>A03</b>	368	Transdimensional Inference of Archeomagnetic Intensity Change	Dr.	Phil	Livermore	Wed	30-Aug	09h15	1.41
<b>A03</b>	504	Combined Investigations of Geomagnetic Field Evolution and Cosmogenic Isotope Production Rates on Multi-Millennial Time Scales	Dr.	Sanja	Panovska	Wed	30-Aug	09h30	1.41
<b>A03</b>	349	The time-averaged palaeomagnetic field during 3-7 Ma at high northern latitudes	Dr.	Adrian	Muxworthy	Wed	30-Aug	09h45	1.41

<b>A30</b>		<b>Session Chair</b>	Dr.	Ada	Ortiz-Carbonell	Wed	30-Aug	08h30	1.42
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<b>A30</b>	1514	Helioseismology	Prof.	Laurent	Gizon	Wed	30-Aug	08h30	1.42
<b>A30</b>	974	Information Theoretical Approach to Discovering Causality in Solar Cycle Dynamics	Dr.	Simon	Wing	Wed	30-Aug	09h00	1.42
<b>A30</b>	817	The quiet Sun at High Resolution	Dr.	Luis	Bellot Rubio	Wed	30-Aug	09h15	1.42
<b>A30</b>	1439	Properties of Supersonic Evershed Downflows	Dr.	Sara	Esteban Pozuelo	Wed	30-Aug	09h45	1.42

<b>A33</b>	<b>Session Chair</b>			Dr. Dr.	Andriy Kusumita	Marusenkov Arora	Wed	30-Aug	08h30	1.43
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<b>A33</b>	345	Geomagnetic Instruments Design and Operation	Dr.	Jean	Rasson	Wed	30-Aug	08h30	1.43
<b>A33</b>	982	Seafloor geomagnetic observatories: challenge, concept and perspectives	Dr.	Alexandre	Gonsette	Wed	30-Aug	09h00	1.43
<b>A33</b>	1406	Dôme C Magnetic Observatory on Concordia Station	Dr.	Aude	Chambodut	Wed	30-Aug	09h15	1.43
<b>A33</b>	912	Development of the geomagnetic observatory network in Russia: recent progress and plans	Dr.	Roman	Krasnoperov	Wed	30-Aug	09h30	1.43
<b>A33</b>	820	Geomagnetic observatory on a moving ice sheet: high quality data from Neumayer Station III, Antarctica	Dr.	Juergen	Matzka	Wed	30-Aug	09h45	1.43

<b>M18</b>	<b>Session Chair</b>			Dr.	Andrew	Turner	Wed	30-Aug	08h30	1.44
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<b>M18</b>	410	SST Gradient in the Tropical Indo-Pacific Domain and The Asian Summer Monsoon Onset	Prof.	Guoxiong	Wu	Wed	30-Aug	08h30	1.44
<b>M18</b>	1000	Local Oceanic Precursors for the Summer Monsoon Onset over the Bay of Bengal and the Underlying Processes	Prof.	Jianping	Li	Wed	30-Aug	09h00	1.44
<b>M18</b>	1311	Onset and progression of the 2016 Indian monsoon in field campaign observations and a 4km-resolution version of the UK Met Office Unified Model	Dr.	Arathy	Menon	Wed	30-Aug	09h20	1.44
<b>M18</b>	560	Generation and variation of upper troposphere temperature maximum	Prof.	Yimin	Liu	Wed	30-Aug	09h40	1.44

<b>A18</b>	<b>Session Chair</b>			Dr. Prof.	Kazue Colin	Takahash Waters	Wed	30-Aug	08h30	1.61
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<b>A18</b>	663	Steepening of waves at the magnetopause	Dr.	Ferdinand	Plaschke	Wed	30-Aug	08h30	1.61
<b>A18</b>	1145	Excitation of ULF waves by a solar wind shock impact in global MHD simulations with plasmasphere	Mr.	Lars K. S.	Daldorff	Wed	30-Aug	09h00	1.61
<b>A18</b>	227	In search of ground image of the magnetopause surface mode: Multi-instrument observations at Svalbard	Dr.	Olga	Kozyreva	Wed	30-Aug	09h15	1.61
<b>A18</b>	397	ULF Kelvin-Helmholtz Waves Generated at the Day-side Convection Reversal Boundary During Periods of Large IMF By Reconnection	Dr.	Robert	Clauer	Wed	30-Aug	09h30	1.61
<b>A18</b>	138	Propagation of ULF Waves From the Upstream Region to the Midnight Sector of the Inner Magnetosphere	Dr.	Kazue	Takahashi	Wed	30-Aug	09h45	1.61

<b>M12</b>	<b>Session Chair</b>			Dr.	Bernd	Funke	Wed	30-Aug	08h45	1.62
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<b>M12</b>	669	Contribution of gravity waves to the mean meridional circulation and momentum budget in the middle atmosphere	Prof.	Kaoru	Sato	Wed	30-Aug	08h45	1.62
<b>M12</b>	514	Effect of gravity waves from small islands in the Southern Ocean on the Southern Hemisphere atmospheric circulation	Dr.	Chaim	Garfinkel	Wed	30-Aug	09h15	1.62
<b>M12</b>	216	A study of gravity waves having quasi-inertial frequency in the Antarctic troposphere and lower stratosphere observed by the PANSY radar	Mr.	Yuichi	Minamihara	Wed	30-Aug	09h30	1.62
<b>M12</b>	1033	Investigation of the filtering effect of gravity waves by planetary waves based on a three decadal time series of mesopause temperatures at mid-latitudes	Mr.	René	Sedlak	Wed	30-Aug	09h45	1.62

<b>P01</b>	<b>Session Chair</b>			Dr.	Eugene	Morozov	Wed	30-Aug	08h30	1.63
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<b>P01</b>	470	The Annual Cycle of Upper-Ocean Potential Vorticity and its Relationship with Submesoscale Instabilities: Insights from Mooring Observations	Mr.	Xiaolong	Yu	Wed	30-Aug	08h30	1.63
<b>P01</b>	1421	Teleconnections of the South Atlantic Subtropical Mode Water at interannual scales	Mr.	Olga	Sato	Wed	30-Aug	08h45	1.63
<b>P01</b>	332	Glider-based multidisciplinary observations in the Faroe-Shetland Channel	Prof.	Karen	Heywood	Wed	30-Aug	09h00	1.63
<b>P01</b>	1116	Abyssal Circulation in the South Atlantic and Transports Across Vema Channel in an Global Eddy-Resolving OGCM	Mr.	Edmo	Campos	Wed	30-Aug	09h30	1.63
<b>P01</b>	341	Spatial and temporal variability of temperature and salinity in the upper layer ocean using the global Argo array	Dr.	Shigeki	Hosoda	Wed	30-Aug	09h45	1.63

<b>JA3</b>	<b>Session Chair</b>			Dr.	Craig	Bishop	Wed	30-Aug	08h30	2.41 - 2.43
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<b>JA3</b>	93	On the improvement of data assimilation by better use of ensemble information	Dr.	Neill	Bowler	Wed	30-Aug	08h30	2.41 - 2.43
<b>JA3</b>	291	Perturbation Methods for Ensemble Data Assimilation	Dr.	Kazuo	Saito	Wed	30-Aug	09h00	2.41 - 2.43
<b>JA3</b>	448	A study on ensemble forecast associated with conditional nonlinear optimal perturbations	Ms.	Ye	Wang	Wed	30-Aug	09h15	2.41 - 2.43
<b>JA3</b>	1521	Ensemble data assimilation and localization	Dr.	Chris	Snyder	Wed	30-Aug	09h30	2.41 - 2.43

<b>JM2</b>	<b>Session Chair</b>		Mr.	Jianping	Li	Wed	30-Aug	08h30	2.44 - 2.46
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<b>JM2</b>	1174	Processes Underlying the Pacific Decadal Oscillation and their Potential Changes in a Warmer World	Dr.	Michael	Alexander	Wed	30-Aug	08h30	2.44 - 2.46
<b>JM2</b>	1279	The large shift to a more positive NAO between the 1960s and 1990s; to what extent do CMIP5 models reproduce congruent shifts in NAO variability and broader characteristics of the North Atlantic westerly jet?	Dr.	Thomas	Bracegirdle	Wed	30-Aug	08h45	2.44 - 2.46
<b>JM2</b>	1182	Impact of Arctic sea ice decline on recently observed climate change: a coordinated multi-model study	Prof.	Noel	Keenlyside	Wed	30-Aug	09h00	2.44 - 2.46
<b>JM2</b>	1348	On the Response of the Aleutian Low to Greenhouse Warming	Dr.	Bolan	Gan	Wed	30-Aug	09h15	2.44 - 2.46
<b>JM2</b>	1388	Tropical-Extratropical teleconnections in present and future climate: internal versus forced variability.	Dr.	Susanna	Corti	Wed	30-Aug	09h30	2.44 - 2.46
<b>JM2</b>	648	Evolution of the Atlantic Multidecadal Variability in a model with an improved North Atlantic Current	Dr.	Annika	Drews	Wed	30-Aug	09h45	2.44 - 2.46

<b>JP2</b>	<b>Session Chair</b>		Dr.	Camille	Lique	Wed	30-Aug	08h30	2.61 - 2.63
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<b>JP2</b>	811	Climatic drivers of microalgae viability in Arctic seasonal sea ice	Prof.	Marcello	Vichi	Wed	30-Aug	08h30	2.61 - 2.63
<b>JP2</b>	706	The role of the interaction of storms and fronts in driving intraseasonal variability of primary production in the Southern Ocean	Dr.	Sarah	Nicholson	Wed	30-Aug	08h45	2.61 - 2.63
<b>JP2</b>	371	Change in Arctic Ocean freshwater content in response to a step change in wind forcing	Dr.	Helen	Johnson	Wed	30-Aug	09h00	2.61 - 2.63
<b>JP2</b>	521	Synergy of Sea Surface Salinity, Sea Surface Height, and Ocean Bottom Pressure to Study Arctic Ocean Freshwater Changes	Dr.	Tong	Lee	Wed	30-Aug	09h15	2.61 - 2.63

<b>JP3</b>	<b>Session Chair</b>		Ms.	Danielle	Su	Wed	30-Aug	08h30	2.64 - 2.66
<b>JP3</b>	1111	The dynamics of the Southwest Monsoon Current in the Bay of Bengal	Dr.	Ben	Webber	Wed	30-Aug	08h30	2.64 - 2.66
<b>JP3</b>	737	Characterization of Air-sea fluxes over the Bay of Bengal during the southwest monsoon	Dr.	Alejandra	Sanchez-Franks	Wed	30-Aug	08h45	2.64 - 2.66
<b>JP3</b>	1086	Observations of a mixing event in southern Bay of Bengal during summer monsoon	Dr.	Jenson	George	Wed	30-Aug	09h00	2.64 - 2.66
<b>JP3</b>	1104	Seaglider observations of a phytoplankton bloom within the Sri Lanka Dome during BoBBLE	Miss.	V	Thushara	Wed	30-Aug	09h15	2.64 - 2.66
<b>JP3</b>	788	Ocean surface warm layers: development and spatio-temporal variability in the Bay of Bengal during the 2016 summer monsoon	Mr.	Dariusz	Baranowski	Wed	30-Aug	09h30	2.64 - 2.66
<b>JP3</b>	286	The seasonal cycle of the tropical south Indian Ocean and its impact on intraseasonal and interannual variability	Prof.	Kelvin	Richards	Wed	30-Aug	09h45	2.64 - 2.66

<b>M01</b>	<b>Session Chair</b>		Prof.	Maria	Kanakidou	Wed	30-Aug	08h30	Roof Terrace
<b>M01</b>	319	(AC) <sup>3</sup> : A German initiative to study Arctic Amplification	Mr.	Manfred	Wendisch	Wed	30-Aug	08h30	Roof Terrace
<b>M01</b>	493	Achievements of the EMRP project ATMOZ Traceability for atmospheric total column ozone	Dr.	Luca	Egli	Wed	30-Aug	09h00	Roof Terrace
<b>M01</b>	594	Measurement and Modeling of Aerosols in Taiwan	Dr.	Charles	Chou	Wed	30-Aug	09h15	Roof Terrace
<b>M01</b>	79	Contamination of Air, Dust and Sediment with Polycyclic Aromatic Hydrocarbons	Dr.	Khageshwar Singh	Patel	Wed	30-Aug	09h45	Roof Terrace

## Session 2 10h30 - 12h00

A03	<b>Session Chair</b>		Dr.	Aleksey	Smirnov	Wed	30-Aug	10h30	1.41
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A03	480	Is the geomagnetic field evolution during the Laschamp excursion similar to the present field evolution?	Dr.	Carlo	Laj	Wed	30-Aug	10h30	1.41
A03	505	Documenting the field changes during the last geomagnetic reversal	Mr.	Jean-Pierre	Valet	Wed	30-Aug	11h00	1.41
A03	772	On the Possibility of Lightning-Induced Remagnetization of Detrital Minerals During Continental Erosion	Prof.	Joseph L.	Kirschvink	Wed	30-Aug	11h15	1.41
A03	773	Coarse predictions of dipole reversals by low-dimensional modeling and data assimilation	Dr.	Gauthier	Hulot	Wed	30-Aug	11h30	1.41
A03	947	Precambrian paleointensity – perspectives and challenges	Dr.	Elisa	Piispa	Wed	30-Aug	11h45	1.41

A30	<b>Session Chair</b>		Dr.	Sara	Esteban Pozuelo	Wed	30-Aug	10h30	1.42
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A30	812	Interface Region Imaging Spectrograph Views of How the Solar Atmosphere is Energized	Dr.	Bart	De Pontieu	Wed	30-Aug	10h30	1.42
A30	1516	Coronal Seismology with Decay-less Kink Oscillations	Dr.	Sergey	Anfinogentov	Wed	30-Aug	11h00	1.42
A30	584	Heating of an Erupting Prominence Associated with a Coronal Mass Ejection on 2012 January 27	Dr.	Jin-Yi	Lee	Wed	30-Aug	11h30	1.42
A30	372	Coronal Flux Ropes Constructed from Eruption Data and their Interplanetary Counterparts	Dr.	Nat	Gopalswamy	Wed	30-Aug	11h45	1.42

<b>A33</b>	<b>Session Chair</b>			Dr. Dr.	Andriy Kusumita	Marusenkov Arora	Wed	30-Aug	10h30	1.43
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<b>A33</b>	350	Ground and satellite measurements: a must to complete current geomagnetic needs	Dr.	Mioara	Mandea	Wed	30-Aug	10h30	1.43
<b>A33</b>	1286	Error statistics of Chambon la Forêt observatory definitive data	Dr.	Benoit	Heumez	Wed	30-Aug	11h00	1.43
<b>A33</b>	845	One Second quasi-definitive data from Choutuppal Magnetic Observatory	Dr.	Kusumita	Arora	Wed	30-Aug	11h15	1.43
<b>A33</b>	1277	Absolute magnetic measurement techniques with the FluxSet digital D/I station: the conventional methods and beyond these	Dr.	Ádám	Domján	Wed	30-Aug	11h30	1.43
<b>A33</b>	1010	Longtime series of baselines of Paratunka observatory, Kamchatka, Russia: the estimation of the quality, stability and errors	Dr.	Sergey	Khomutov	Wed	30-Aug	11h45	1.43
<b>A33</b>	246	Experience with standard geomagnetic observations and Schumann Resonance monitoring at the Belsk and Hornsund observatories	Dr.	Jan	Reda	Wed	30-Aug	12h00	1.43

<b>M18</b>	<b>Session Chair</b>			Prof.	Guoxiong	Wu	Wed	30-Aug	10h30	1.44
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<b>M18</b>	1502	On the dominant intra-seasonal modes over the East Asia-western North Pacific summer monsoon region	Prof.	Kyung-Ja	Ha	Wed	30-Aug	10h30	1.44
<b>M18</b>	251	Prediction and real-time monitoring of indices for monsoon intraseasonal oscillations: An approach based on nonlinear Laplacian spectral analysis technique	Dr.	Sabeerali	Cherumadanakadan Thelliyil	Wed	30-Aug	11h00	1.44
<b>M18</b>	112	Possible changes in the boreal summer intraseasonal oscillation projected by the CNRM-CM5 model under an extreme climate warming scenario	Prof.	Jiangyu	Mao	Wed	30-Aug	11h20	1.44
<b>M18</b>	555	Evaluation of Intraseasonal Oscillation Simulations in IPCC AR5 Coupled GCMs Associated with the Asian Summer Monsoon	Dr.	Wenting	Hu	Wed	30-Aug	11h40	1.44

<b>M09 M19</b>	<b>Session Chair</b>		Dr.	Hans	Volkert	Wed	30-Aug	10h30	1.61
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<b>M09 M19</b>	115	The causes of foehn warming in the lee of mountains	Prof	Ian	Renfrew	Wed	30-Aug	10h30	1.61
<b>M09 M19</b>	198	Impact of Surface Sensible Heating over the Tibetan Plateau on the Western Pacific Subtropical High: a Land-Air-Sea Interaction Perspective	Prof	Anmin	Duan	Wed	30-Aug	11h00	1.61
<b>M09 M19</b>	536	Front-orography interactions during the landfall of the New Year Day's Storm 1992	Dr.	Clemens	Spensberger	Wed	30-Aug	11h15	1.61
<b>M09 M19</b>	1290	Simulating the influence of topography on cut off lows over Southern Africa	Ms	Sabina	Abba Omar	Wed	30-Aug	11h30	1.61
<b>M09 M19</b>	1362	Modelling rainfall at high resolutions over the eastern escarpment of South Africa	Mr	Zane	Dedekind	Wed	30-Aug	11h45	1.61

<b>M12</b>	<b>Session Chair</b>		Dr.	Irina	Mironova	Wed	30-Aug	10h30	1.62
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<b>M12</b>	975	Regional Variability in Tropical Precipitation and Gravity Waves, and Relation to Circulation in the Upper Troposphere and Stratosphere	Mr.	M. Joan	Alexander	Wed	30-Aug	10h30	1.62
<b>M12</b>	161	Stratospheric Influence on Moist Convection in a Minimal Model of QBO-like Oscillation	Prof.	Shigeo	Yoden	Wed	30-Aug	11h00	1.62
<b>M12</b>	568	Dynamical Features and Minor Constituent Changes Related to the Anomalous QBO Phase Transition in 2016	Prof.	Toshihiko	Hirooka	Wed	30-Aug	11h15	1.62
<b>M12</b>	742	Interannual variability of the semi-annual oscillation in middle atmosphere tropical zonal winds	Mr.	Anne	Smith	Wed	30-Aug	11h30	1.62
<b>M12</b>	936	Signatures of gravity waves, acoustic-gravity waves, and infrasonic signals derived from OH-Airglow by means of the Fast Airglow IMager, FAIM	Prof.	Michael	Bittner	Wed	30-Aug	11h45	1.62

<b>P01</b>	<b>Session Chair</b>			Mr.	Edmo	Campos	Wed	30-Aug	10h45	1.63
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<b>P01</b>	31	Bottom water exchange between the Argentine and Brazil basins of the Southwest Atlantic.	Mr.	Dmitry	Frey	Wed	30-Aug	10h45	1.63
<b>P01</b>	389	Deep cataracts as important hot spots of the global abyssal mixing	Dr.	Roman	Tarakanov	Wed	30-Aug	11h00	1.63
<b>P01</b>	392	First results from CASSIS project: Southwestern Atlantic currents from in-situ and satellite altimetry	Dr.	Martin	Saraceno	Wed	30-Aug	11h15	1.63
<b>P01</b>	1143	The Dynamics of Near Equatorial River Plumes	Prof.	Ricardo	Matano	Wed	30-Aug	11h30	1.63
<b>P01</b>	254	Why does plastic debris accumulate in the subtropical gyres? Using drifting buoys and virtual particles to investigate large-scale surface convergence patterns	Dr.	Erik	van Sebille	Wed	30-Aug	11h45	1.63

<b>JA3</b>	<b>Session Chair</b>			Prof. Prof.	Andrew Duan	Moore Duan Wansuo	Wed	30-Aug	10h30	2.41 - 2.43
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<b>JA3</b>	411	Similarities Between optimal Precursors and Optimally Growing initial Errors and targeted observations in weather and climate predictions	Dr.	Mu	Mu	Wed	30-Aug	10h30	2.41 - 2.43
<b>JA3</b>	154	Relationships between optimal precursors triggering NAO onset and optimally growing initial errors during NAO prediction	Mr.	Guokun	Dai	Wed	30-Aug	11h00	2.41 - 2.43
<b>JA3</b>	437	Predictability barrier of IOD predictions and related target observation	Ms.	Da	Liu	Wed	30-Aug	11h15	2.41 - 2.43
<b>JA3</b>	343	Relationship between optimal initial errors and optimal precursors for Indian Ocean dipole predictions	Dr.	Rong	Feng	Wed	30-Aug	11h30	2.41 - 2.43
<b>JA3</b>	364	Tsunami Scenario in Bay of Bengal	Prof	Harsh	Gupta	Wed	30-Aug	11h45	2.41 - 2.43

<b>JM2</b>	<b>Session Chair</b>		Dr.	Seok-Woo	Son	Wed	30-Aug	10h30	2.44 - 2.46
<b>JM2</b>	588	Tracking the delayed response of the northern winter stratosphere to ENSO using multi reanalyses and model simulations	Dr.	Rongcai	Ren	Wed	30-Aug	10h30	2.44 - 2.46
<b>JM2</b>	223	Non-stationarity in Southern Hemisphere climate variability associated with the seasonal breakdown of the stratospheric polar vortex	Mr.	Nick	Byrne	Wed	30-Aug	10h45	2.44 - 2.46
<b>JM2</b>	228	Stratospheric Response to the 11-year Solar Cycle: Breaking Planetary Waves, Internal Reflection and Resonance	Dr.	Hua	Lu	Wed	30-Aug	11h00	2.44 - 2.46
<b>JM2</b>	1423	Seasonal and Regional Patterns of Variability and Long-Term Changes in Upper Tropospheric Jets From Reanalyses	Dr.	Gloria	Manney	Wed	30-Aug	11h15	2.44 - 2.46
<b>JM2</b>	831	Three dimensional meridional circulation in mass-weighted isentropic time mean	Prof.	Toshiki	Iwasaki	Wed	30-Aug	11h30	2.44 - 2.46
<b>JM2</b>	1333	The Characteristics and Drivers of Regionally-Extensive Droughts over Southern Africa	Dr.	Babatunde	Abiodun	Wed	30-Aug	11h45	2.44 - 2.46
<b>JM2</b>	880	Assessing the co-variability of the Southern Hemispheric mid-latitude circulation and southern Africa precipitation in the 20th century	Mr.	Willem	Conradie	Wed	30-Aug	12h00	2.44 - 2.46

<b>JP2</b>	<b>Session Chair</b>		Prof.	Marcello	Vichi	Wed	30-Aug	10h30	2.61 - 2.63
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<b>JP2</b>	792	Interconnectivity between volume transports through Arctic straits	Dr.	Agatha	de Boer	Wed	30-Aug	10h30	2.61 - 2.63
<b>JP2</b>	629	What drives the variability of the Atlantic Water circulation in the Arctic Ocean?	Dr.	Camille	Lique	Wed	30-Aug	10h45	2.61 - 2.63
<b>JP2</b>	1176	Variability in Circulation and Hydrography in the Denmark Strait	Mr.	Mattia	Almansi	Wed	30-Aug	11h00	2.61 - 2.63
<b>JP2</b>	670	Wind-driven mixing at intermediate depths in an ice-free Arctic Ocean	Dr.	Yueng	Lenn	Wed	30-Aug	11h15	2.61 - 2.63
<b>JP2</b>	1377	Effects of the Antarctic glacial runoff and icebergs calving on the Southern Ocean dynamics and sea ice	Dr.	George	Nurser	Wed	30-Aug	11h30	2.61 - 2.63
<b>JP2</b>	539	Surface Melting on the Greenland Ice Sheet: Recent Drivers, Future Scenarios	Dr.	David	Reusch	Wed	30-Aug	11h45	2.61 - 2.63

<b>JP3</b>	<b>Session Chair</b>		Dr.	Yukio	Masumoto	Wed	30-Aug	10h30	2.64 - 2.66
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<b>JP3</b>	1319	An IIOE-2 Capacity Building Initiative - The Indian Ocean Early Career Scientist Network	Ms.	Danielle	Su	Wed	30-Aug	10h30	2.64 - 2.66
<b>JP3</b>	922	A shallow seamounts ecosystem Project in the SW Indian Ocean	Dr.	Francis	Marsac	Wed	30-Aug	11h15	2.64 - 2.66
<b>JP3</b>	1075	Second International Indian Ocean Expedition IIOE-2 overview of endorsed science projects and cruises	Dr.	Nick	D'Adamo	Wed	30-Aug	11h30	2.64 - 2.66
<b>JP3</b>	1280	Results from the First Expedition of IIOE-2	Prof.	P N	Vinayachandran	Wed	30-Aug	11h45	2.64 - 2.66

<b>M01</b>	<b>Session Chair</b>			Dr.	Hiroshi	Tanimoto	Wed	30-Aug	10h30	Roof Terrace
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<b>M01</b>	667	Spatial, temporal and source contribution assessments of BC over the northern interior of South Africa	Prof.	Johan Paul	Beukes	Wed	30-Aug	10h30	Roof Terrace
<b>M01</b>	1351	Chemistry and Physics of the Atmosphere over Eastern US: Air Quality Success Stories	Prof.	Russell	Dickerson	Wed	30-Aug	11h00	Roof Terrace
<b>M01</b>	1282	Identification of emission and climatological factors shaping Hong Kong's PM10 levels during 1998-2015	Prof.	Zibing	Yuan	Wed	30-Aug	11h30	Roof Terrace
<b>M01</b>	1488	Inverse Relations of PM2.5 and O3 in Air Compound Pollution between Cold and Hot Seasons over an Urban Area of East China	Prof.	Tianliang	Zhao	Wed	30-Aug	11h45	Roof Terrace

### Session 3 13h30 - 15h00

<b>A06</b>	<b>Session Chair</b>			Dr.	Juan	Larrasoña	Wed	30-Aug	13h30	1.41
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<b>A06</b>	347	First magnetic monitoring of the London's particulate matter	Dr.	Adrian	Muxworthy	Wed	30-Aug	13h30	1.41
<b>A06</b>	686	Wildfires as a factor in build-up of the environmental magnetic record of forest soils	Prof.	Diana	Jordanova	Wed	30-Aug	14h00	1.41
<b>A06</b>	1028	Source-to-sink magnetic properties of NE Saharan dust: paleoenvironmental implications	Dr.	Juan	Larrasoña	Wed	30-Aug	14h15	1.41
<b>A06</b>	1133	The application of magnetics measurements in South African 'cut and fill' landscapes: implications for reconstructing internal and external drivers.	Dr.	Chris	Oldknow	Wed	30-Aug	14h30	1.41

<b>A30</b>	<b>Session Chair</b>			Dr.	Jin-Yi	Lee	Wed	30-Aug	13h30	1.42
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<b>A30</b>	1359	Simulation of an Extremely Fast Coronal Mass Ejection on July 23, 2012: Follow-up Study	Dr.	Chigomezoyo	Ngwira	Wed	30-Aug	13h30	1.42
<b>A30</b>	1019	Comparison of 3D CME Parameters Derived from Single and Multi-view Observations	Ms.	Harim	Lee	Wed	30-Aug	13h45	1.42
<b>A30</b>	547	Lessons from Empirical and Neural Network Space Weather Forecast Models Using Solar Data	Prof.	Yong-Jae	Moon	Wed	30-Aug	14h00	1.42
<b>A30</b>	442	Blowing in the Wind - Coronal Mass Ejections in Three Dimensions	Dr.	Volker	Bothmer	Wed	30-Aug	14h30	1.42

<b>A33</b>	<b>Session Chair</b>			Dr. Mr.	Sergey Jean	Khomutov Rasson	Wed	30-Aug	13h30	1.43
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<b>A33</b>	236	Applications of geomagnetic data in services for technological networks	Dr.	Larisa	Trichtchenko	Wed	30-Aug	13h30	1.43
<b>A33</b>	1018	Towards meeting the INTERMAGNET one-second standards for absolute magnetic observatories	Ms.	Ellen	Clarke	Wed	30-Aug	14h00	1.43
<b>A33</b>	477	The New Method Of Noise Suppressing In Flux-Gate Variometers	Dr.	Andriy	Marusenkov	Wed	30-Aug	14h15	1.43
<b>A33</b>	1471	A low-power Raspberry Pi data logger system and its installation at the Tatuoca observatory in Brazil	Dr.	Achim	Morschhauser	Wed	30-Aug	14h30	1.43
<b>A33</b>	725	MagPySV: a python package for processing and denoising geomagnetic observatory data	Dr.	Grace	Cox	Wed	30-Aug	14h45	1.43

<b>M18</b>	<b>Session Chair</b>			Prof.	Kyung-Ja	Ha	Wed	30-Aug	13h30	1.44
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<b>M18</b>	1288	Aerosol - surface forcing - rainfall association during the monsoon over the Gangetic plains	Prof.	Sachchida	Tripathi	Wed	30-Aug	13h30	1.44
<b>M18</b>	462	On the shortening of Indian Summer Monsoon Season in a Warming Scenario	Dr.	Ajaya Mohan	Ravindran	Wed	30-Aug	13h50	1.44
<b>M18</b>	248	Mechanism of decline in monsoon synoptic activity in a warming climate	Dr.	Sandeep	Sukumaran	Wed	30-Aug	14h10	1.44
<b>M18</b>	1260	Decadal change of the East Asian Winter Monsoon variability and its dynamical prediction	Dr.	Daehyun	Kang	Wed	30-Aug	14h30	1.44

<b>M09</b> <b>M19</b>	<b>Session Chair</b>			Prof.	Ian	Renfrew	Wed	30-Aug	13h30	1.61
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<b>M09</b> <b>M19</b>	1390	Mountain waves and cloud bands: a long research tradition framed by the case studies of 21 May 1937 and 1 February 2014	Dr	Hans	Volkert	Wed	30-Aug	13h30	1.61
<b>M09</b> <b>M19</b>	1113	Interannual Variations of Summer Precipitation in eastern China and related to the SST Anomalies in the East China Sea	Prof	Rongshuo	Cai	Wed	30-Aug	14h00	1.61
<b>M09</b> <b>M19</b>	580	Impacts of Boreal Summer Intraseasonal Oscillation on the Western North Pacific Typhoons and Rainfall in Taiwan	Prof	Chih-wen	Hung	Wed	30-Aug	14h15	1.61
<b>M09</b> <b>M19</b>	579	Projection of Future Winter Rainfall in Taiwan during the Late 21st Century	Mr	Ho-Jiunn	Lin	Wed	30-Aug	14h30	1.61
<b>M09</b> <b>M19</b>	715	Northern Eurasia precipitation extremes from different datasets across space-time scales	Prof	Olga	Zolina	Wed	30-Aug	14h45	1.61

<b>M12</b>	<b>Session Chair</b>			Dr.	Michaela	Hegglin	Wed	30-Aug	13h30	1.62
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<b>M12</b>	459	How does interhemispheric coupling respond to the solar cycle signal?	Dr.	Bodil	Karlsson	Wed	30-Aug	13h30	1.62
<b>M12</b>	1012	Mitigation of global cooling by stratospheric chemistry feedbacks in a simulation of the Last Glacial Maximum	Dr.	Satoshi	Noda	Wed	30-Aug	14h00	1.62
<b>M12</b>	207	Transient stratospheric circulation changes in a grand ensemble of idealized CO <sub>2</sub> increase experiments	Dr.	Elisa	Manzini	Wed	30-Aug	14h15	1.62
<b>M12</b>	1114	Fine vertical structure of the Antarctic tropopause region in winter of 2016 obtained by balloonborne ozone and water vapor observations	Dr.	Yoshihiro	Tomikawa	Wed	30-Aug	14h45	1.62

<b>A16</b>	<b>Session Chair</b>			Prof.	János	Lichtenberger	Wed	30-Aug	13h30	1.63
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<b>A16</b>	152	Magnetoseismic Study of the Plasmasphere Using ULF Waves Observed by the Van Allen Probes	Dr.	Kazue	Takahashi	Wed	30-Aug	13h30	1.63
<b>A16</b>	181	Analysis and inversion of ducted VLF impulses recorded by satellites	Mr.	David	Koronczay	Wed	30-Aug	14h00	1.63
<b>A16</b>	373	Deriving electron density from electric field measurements on the Van Allen Probes spacecraft and building a global dynamic model of plasma density using neural networks	Miss.	Irina	Zhelavskaya	Wed	30-Aug	14h15	1.63
<b>A16</b>	192	Improved whistler inversion method for monitoring the electron density in the plasmasphere	Prof.	János	Lichtenberger	Wed	30-Aug	14h45	1.63

<b>JA3</b>	<b>Session Chair</b>			Dr.	Chris	Snyder	Wed	30-Aug	13h30	2.41 - 2.43
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<b>JA3</b>	1522	Data assimilation for operational ocean forecasting and reanalysis	Dr	Matt	Martin	Wed	30-Aug	13h30	2.41 - 2.43
<b>JA3</b>	142	On the development of a better ensemble prediction system	Dr	Neill	Bowler	Wed	30-Aug	14h00	2.41 - 2.43
<b>JA3</b>	215	Ne'er for the faint of heart: Analysis and forecast error covariance estimates using the adjoint of 4D-Var	Prof	Andrew	Moore	Wed	30-Aug	14h15	2.41 - 2.43
<b>JA3</b>	443	Impact of sea surface temperature observations on an eddy-resolving ocean reanalysis of the Agulhas system	Dr	Bjorn	Backeberg	Wed	30-Aug	14h30	2.41 - 2.43
<b>JA3</b>	546	Automatic model calibration for improving WRF model forecasting	Prof	Qingyun	Duan	Wed	30-Aug	14h45	2.41 - 2.43

<b>JM2</b>	<b>Session Chair</b>			Dr.	Hisashi	Nakamura	Wed	30-Aug	13h30	2.44 - 2.46
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<b>JM2</b>	1170	Impact of recent El Niño in the Lowveld, South Africa - an indication of anthropogenic climate forcing?	Dr.	Johan	Malherbe	Wed	30-Aug	13h30	2.44 - 2.46
<b>JM2</b>	946	Trends of clouds inferred from long-term trends in precipitation extremes.	Prof.	Shaw Chen	Liu	Wed	30-Aug	13h45	2.44 - 2.46
<b>JM2</b>	1407	Variability of Western Pacific Equatorial Currents Associated with ENSO	Dr.	Xiaohui	Tang	Wed	30-Aug	14h00	2.44 - 2.46
<b>JM2</b>	664	The role of convection above Indonesia for the influence of the Indian Ocean on ENSO	Ms.	Claudia	Wieners	Wed	30-Aug	14h15	2.44 - 2.46
<b>JM2</b>	1139	Reverse decadal shifts of summer rainfall in southern China	Dr.	Jilong	Chen	Wed	30-Aug	14h30	2.44 - 2.46
<b>JM2</b>	130	The climate shift of interannual variability of winter precipitation over China	Prof.	XiaoJing	Jia	Wed	30-Aug	14h45	2.44 - 2.46

<b>JP2</b>	<b>Session Chair</b>		Dr.	Amelie	Kirchgaessner	Wed	30-Aug	13h30	2.61 - 2.63
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<b>JP2</b>	1118	Mechanisms driving variability in the ocean forcing of Pine Island Glacier	Dr.	Ben	Webber	Wed	30-Aug	13h30	2.61 - 2.63
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<b>JP2</b>	1338	Identifying glacial meltwater and upper ocean processes using noble gases in the Amundsen Sea	Dr.	Louise	Biddle	Wed	30-Aug	13h45	2.61 - 2.63
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<b>JP2</b>	91	Anatomy of a glacial meltwater discharge event in an Antarctic cove	Prof.	Michael	Meredith	Wed	30-Aug	14h00	2.61 - 2.63
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<b>JP2</b>	86	Observations of surface momentum exchange over the marginal-ice-zone and recommendations for its parameterization	Prof.	Ian	Renfrew	Wed	30-Aug	14h15	2.61 - 2.63
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<b>JP2</b>	606	Increasing frequency and duration of Arctic winter warming events	Dr.	Robert	Graham	Wed	30-Aug	14h30	2.61 - 2.63
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<b>JP2</b>	1303	Arctic warming via moist intrusions	Prof.	Rodrigo	Caballero	Wed	30-Aug	14h45	2.61 - 2.63
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<b>JP3</b>	<b>Session Chair</b>		Prof.	P N	Vinayachandran	Wed	30-Aug	13h30	2.64 - 2.66
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<b>JP3</b>	1233	Meridional variability of subsurface light field along IIOE-2 transect using satellite data	Dr.	Aneesh	Lotliker	Wed	30-Aug	13h30	2.64 - 2.66
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<b>JP3</b>	1071	Web Based Applications and Infrastructure for the Second International Indian Ocean Expedition (IIOE-2)	Mr.	Kiran	Kumar N	Wed	30-Aug	14h00	2.64 - 2.66
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<b>JP3</b>	531	Space Observation of Surface Hydrodynamics and Carbon Cycle in North Indian Ocean	Dr.	W. Timothy	Liu	Wed	30-Aug	14h15	2.64 - 2.66
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<b>JP3</b>	1072	Sub-surface oxygen maxima in the equatorial Indian Ocean	Dr.	Satya	Prakash	Wed	30-Aug	14h30	2.64 - 2.66
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<b>JP3</b>	915	Estimation of terms of temperature equation using in situ observations alone during BoBBLE (Bay of Bengal Boundary Layer Experiment)	Dr.	V	Vijith	Wed	30-Aug	14h45	2.64 - 2.66
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<b>M01</b>	<b>Session Chair</b>			Prof.	Tong	Zhu	Wed	30-Aug	13h30	Roof Terrace
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<b>M01</b>	901	Biomass burning and multi-scale transport over Southeast Asia and Southern China: mixing of the biomass and urban plumes	Dr.	Jason	Cohen	Wed	30-Aug	13h30	Roof Terrace
<b>M01</b>	1109	Detection of biomass burning plume for aerosol remote sensing: potential application to the Arctic regions	Mrs.	Soheila	Jafariserajehlou	Wed	30-Aug	13h45	Roof Terrace
<b>M01</b>	450	Quantitative analysis of airborne remote sensing and in-situ observations of complex CH <sub>4</sub> (and CO <sub>2</sub> ) sources	Mr.	Sven	Krautwurst	Wed	30-Aug	14h00	Roof Terrace
<b>M01</b>	1495	CoMet: The Carbon Dioxide and Methane Mission for HALO	Dr.	Anke	Roiger	Wed	30-Aug	14h15	Roof Terrace
<b>M01</b>	1237	Quantifying source contribution to indoor particulate matter in low-income settlement in South Africa	Miss.	Brigitte	Language	Wed	30-Aug	14h30	Roof Terrace

**Session 4**  
**15h30 - 17h00**

<b>A06</b>	<b>Session Chair</b>			Dr.	Juan	Larrasoaña	Wed	30-Aug	15h30	1.41
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<b>A06</b>	918	Can syn-depositional remanent magnetizations faithfully record the Earth magnetic field? First insights from a new model	Dr.	Ramon	Egli	Wed	30-Aug	15h30	1.41
<b>A06</b>	631	Past variations of the deep circulation in the South China Sea reconstructed using magnetic properties of sediments.	Dr.	Catherine	Kissel	Wed	30-Aug	16h00	1.41
<b>A06</b>	1463	Magnetic signal from the Archean/Paleoproterozoic Transition from the Pilbara Craton, Western Australia	Dr.	Julie	Carlut	Wed	30-Aug	16h15	1.41

<b>A30</b>	<b>Session Chair</b>			Dr.	Jin-Yi	Lee	Wed	30-Aug	15h30	1.42
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<b>A30</b>	252	Average Characteristic Dynamics of Parameters in Structures of Solar Wind	Dr.	Yuri	Yermolaev	Wed	30-Aug	15h30	1.42
<b>A30</b>	393	Solar Wind Suprathermal Electrons at Quiet Times	Prof.	Linghua	Wang	Wed	30-Aug	15h45	1.42
<b>A30</b>	549	IBEX Observations of the Global Heliosphere and Interstellar Medium	Prof.	Nathan	Schwadron	Wed	30-Aug	16h00	1.42
<b>A30</b>	Discussion					Wed	30-Aug	16h30	1.42

<b>A15</b>	<b>Session Chair</b>			Dr.	Maria	Usanova	Wed	30-Aug	15h30	1.43
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<b>A15</b>	949	Theory and observations of electromagnetic oxygen cyclotron harmonic waves	Dr.	Maria	Usanova	Wed	30-Aug	15h30	1.43
<b>A15</b>	1183	Relationship between EMIC Waves seen in the Magnetosphere and on the Ground	Prof.	Brian	Fraser	Wed	30-Aug	16h00	1.43
<b>A15</b>	406	A parameter study and superposed epoch analysis of the generation of electromagnetic ion cyclotron (EMIC) waves based on Van Allen Probes observations	Prof.	Mark	Engebretson	Wed	30-Aug	16h15	1.43
<b>A15</b>	527	Cluster observations of EMIC triggered emissions and plasmaspheric plumes	Dr.	Benjamin	Grisson	Wed	30-Aug	16h30	1.43
<b>A15</b>	699	Analysis of proton and electron spectra observed by EPT/PROBA-V in the South Atlantic Anomaly	Miss.	Graciela	Lopez Rosson	Wed	30-Aug	16h45	1.43
<b>A15</b>	1515	Relativistic Electron Pitch Angle Distributions from the Van Allen Probe Mission	Mr.	Reiner	Friedel	Wed	30-Aug	17h00	1.43

<b>M18</b>	<b>Session Chair</b>			Prof.	Guoxiong	Wu	Wed	30-Aug	15h30	1.44
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<b>M18</b>	1430	The INCOMPASS project field and modelling campaign: Interaction of Convective Organization and Monsoon Precipitation, Atmosphere, Surface and Sea (India 2016)	Dr.	Andrew	Turner	Wed	30-Aug	15h30	1.44
<b>M18</b>	479	Maritime Continent seasonal climate biases in AMIP experiments of the CMIP5 multimodel ensemble	Ms.	Ying Ying	Toh	Wed	30-Aug	16h00	1.44
<b>M18</b>	503	MESETA: Modelling physical and dynamical processes over the Tibetan Plateau and their regional effects over East Asia	Dr.	Reinhard	Schiemann	Wed	30-Aug	16h20	1.44

<b>M09</b> <b>M19</b>	<b>Session Chair</b>			Prof.	Ian	Renfrew	Wed	30-Aug	15h30	1.61
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<b>M09</b> <b>M19</b>	173	The adjoint sensitivity of heavy rainfall to initial conditions in debris flow areas in China	Dr	Feifan	Zhou	Wed	30-Aug	15h30	1.61
<b>M09</b> <b>M19</b>	1301	Effect of resolution on the simulation of rainfall using the Conformal Cubic Atmospheric Model	Dr	Mary-Jane	Bopape	Wed	30-Aug	15h45	1.61
<b>M09</b> <b>M19</b>	409	Impact of resolution on the representation of precipitation variability associated with the ITCZ	Mr	Marc	De Benedetti	Wed	30-Aug	16h00	1.61
<b>M09</b> <b>M19</b>	416	Wintertime Precipitation over the Australian Snowy Mountains: Evaluation of a Regional Forecast Model using High-density Ground-based Observations	Dr	Yi	Huang	Wed	30-Aug	16h15	1.61
<b>M09</b> <b>M19</b>	377	Sensitivity of simulated summer monsoonal precipitation in Langtang Valley, Himalaya to cloud microphysics schemes in WRF	Dr	Andrew	Orr	Wed	30-Aug	16h30	1.61
<b>M09</b> <b>M19</b>	1413	Impacts of Convective Triggering on the Coupling of Convection and Diurnal Propagating Systems over the Southern Great Plains in CAM5	Dr	Yi-Chi	Wang	Wed	30-Aug	16h45	1.61

<b>M04</b>	<b>Session Chair</b>			Prof.	Andre	Berger	Wed	30-Aug	15h30	1.62
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<b>M04</b>	522	Terrestrial rock weathering and the carbon cycle in the UVic Earth System Climate Model (ESCM): Applications to past and future climates	Prof.	Lawrence	Mysak	Wed	30-Aug	15h30	1.62
<b>M04</b>	105	Robust widening of the Hadley cell from the Last Glacial Maximum (LGM) to the future climate	Dr.	Seok-Woo	Son	Wed	30-Aug	16h00	1.62
<b>M04</b>	316	Wetter subtropics in a warmer world: contrasting past and future hydrological cycles	Dr.	Natalie	Burls	Wed	30-Aug	16h15	1.62
<b>M04</b>	267	Modelling interglacial climate response to insolation and CO <sub>2</sub> during the past 800,000 years	Dr.	Qiuzhen	Yin	Wed	30-Aug	16h30	1.62
<b>M04</b>	Discussion					Wed	30-Aug	16h45	1.62

<b>A16</b>	<b>Session Chair</b>						Wed	30-Aug	15h30	1.63
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<b>A16</b>	1497	Assimilation of Ground-Based Observations Into a Plasmasphere Model	Prof.	János	Lichtenberger	Wed	30-Aug	15h30	1.63
<b>A16</b>	276	Where does the plasma go during a storm?	Dr.	Jonathan	Krall	Wed	30-Aug	16h00	1.63
<b>A16</b>	180	Whistler source regions for 16 detector stations around the world	Mr.	David	Koronczay	Wed	30-Aug	16h30	1.63

<b>A43</b>	<b>Session Chair</b>			Prof	János	Lichtenberger	Wed	30-Aug	15h30	1.64
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<b>A43</b>	523	Fifteen years of Educational Activities at the European Geosciences Union (EGU)	Prof.	Carlo	Laj	Wed	30-Aug	15h30	1.64
<b>A43</b>	997	Pitfalls and drawbacks of engaging junior faculty in outreach activities	Prof.	Edgar	Bering	Wed	30-Aug	16h00	1.64
<b>A43</b>	1022	Real-time geomagnetic data from a Raspberry Pi magnetometer network in the UK	Dr.	William	Brown	Wed	30-Aug	16h15	1.64
<b>A43</b>	428	Sparkling Geomagnetic Field: Geomagnetic observations with schools in Austria	Dr.	Rachel	Bailey	Wed	30-Aug	16h30	1.64
<b>A43</b>	1203	A Brief History of the American Geophysical Union Space Physics and Aeronomy Section Education and Public Outreach Committee	Prof.	Edgar	Bering	Wed	30-Aug	16h45	1.64

<b>JA3</b>	<b>Session Chair</b>			Dr.	Kazuo	Saito	Wed	30-Aug	15h30	2.41 - 2.43
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<b>JA3</b>	803	A discussion of marine biogeochemical ocean data assimilation	Prof	Christopher	Edwards	Wed	30-Aug	15h30	2.41 - 2.43
<b>JA3</b>	887	The GIGG-Delta filter: Data assimilation for intermittent variables with skewed uncertainty distributions like cloud, precipitation and ice.	Dr	Craig	Bishop	Wed	30-Aug	16h00	2.41 - 2.43
<b>JA3</b>	1158	Assimilation of the remotely sensed ice concentration data into the CICE model	Dr	Max	Yaremchuk	Wed	30-Aug	16h30	2.41 - 2.43
<b>JA3</b>	546	Skillful climate forecasts of the tropical Indo-Pacific using model-based analogs	Dr.	Matt	Newman	Wed	30-Aug	16h45	2.41 - 2.43
<b>JA3</b>	1155	Analyzing the ocean with the latest ECCO Ocean State Estimate	Dr	Ichiro	Fukomori	Wed	30-Aug	17h00	2.41 - 2.43

<b>JM2</b>	<b>Session Chair</b>			Dr.	Hisashi	Nakamura	Wed	30-Aug	15h30	2.44 - 2.46
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<b>JM2</b>	977	The global importance of reducing tropical SST errors in climate models	Dr.	Prashant	Sardeshmukh	Wed	30-Aug	15h30	2.44 - 2.46
<b>JM2</b>	789	Alleviating Tropical Atlantic Sector Biases in the Kiel Climate Model: Implications for Interannual Variability and Seasonal Predictability	Prof.	Mojib	Latif	Wed	30-Aug	15h45	2.44 - 2.46
<b>JM2</b>	1045	Surface Current in "Hotspot" Serves as a New and Effective Precursor for El Niño Prediction	Dr.	Jianing	Wang	Wed	30-Aug	16h00	2.44 - 2.46
<b>JM2</b>	779	Projecting Future Tropical Cyclone Activity in the WNP Using High-Resolution AGCMs	Dr.	Huang-Hsiung	Hsu	Wed	30-Aug	16h15	2.44 - 2.46
<b>JM2</b>	1160	Are we near the limit of tropical SST predictability?	Dr.	Matt	Newman	Wed	30-Aug	16h30	2.44 - 2.46
<b>JM2</b>	395	What determines the evolution of global mean sea surface temperature?	Dr.	Rui	Ponte	Wed	30-Aug	16h45	2.44 - 2.46

<b>M01</b>	<b>Session Chair</b>			Dr.	Claire	Granier	Wed	30-Aug	15h30	2.61 - 2.63
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<b>M01</b>	846	Air Pollution in Megacity Beijing and North China plain	Prof.	Tong	Zhu	Wed	30-Aug	15h30	2.61 - 2.63
<b>M01</b>	280	Evolution of air quality in Santiago, Chile: A 30 years perspective	Dr.	Laura	Gallardo	Wed	30-Aug	16h00	2.61 - 2.63
<b>M01</b>	654	Precipitation chemistry and wet deposition in the interior of South Africa	Dr.	Pieter	van Zyl	Wed	30-Aug	16h30	2.61 - 2.63

<b>JP3</b>	<b>Session Chair</b>			Dr.	Juliet	Hermes	Wed	30-Aug	15h30	2.64 - 2.66
<b>JP3</b>	862	Special features of air-sea interaction over the North Indian Ocean during boreal summer	Prof.	Ganapati	Bhat	Wed	30-Aug	15h30	2.64 - 2.66	
<b>JP3</b>	1230	Subsurface radiant flux during summer monsoon in the southern Bay of Bengal	Dr.	Aneesh	Lotliker	Wed	30-Aug	15h45	2.64 - 2.66	
<b>JP3</b>	859	High Spatial Resolution Imageries for Climate change impact studies at inhabited Islands of Lakshadweep - India	Dr.	J Sundaresan	Pillai	Wed	30-Aug	16h00	2.64 - 2.66	
<b>JP3</b>	1131	Key Biogeochemical and Ecological Problems in the Indian Ocean	Prof. Dr.	Raleigh Jenny	Hood Huggett	Wed	30-Aug	16h15	2.64 - 2.66	

**Joint Assembly 2017 - Scientific Programme  
Thursday, 31 August 2017**

**Session 1  
08h30 - 10h00**

<b>A15</b>	<b>Session Chair</b>			Prof. Dr.	Craig Allison	Kletzing Jaynes	Thurs	31-Aug	08h30	1.41
<b>A15</b>	989	Chorus Element Properties: Statistics of Sweep Rate	Prof.	Craig	Kletzing	Thurs	31-Aug	08h30	1.41	
<b>A15</b>	650	The origin of the whistler-mode spectral "gap" at half electron gyrofrequency in the magnetosphere	Dr.	Heather	Ratcliffe	Thurs	31-Aug	08h45	1.41	
<b>A15</b>	761	The impressive correlation between substorm activity and the rebuilding of Earth's radiation belts	Dr.	Allison	Jaynes	Thurs	31-Aug	09h00	1.41	
<b>A15</b>	61	Modeling substorm injections	Dr.	Konstantin	Kabin	Thurs	31-Aug	09h15	1.41	
<b>A15</b>	1103	Uncertainty quantification of radiation belts dynamics	Dr.	Enrico	Camporeale	Thurs	31-Aug	09h30	1.41	
<b>A15</b>	849	Gyroresonant acceleration of energetic electrons by whistler mode waves	Dr.	Andrei	Demekhov	Thurs	31-Aug	09h45	1.41	

<b>A25</b>	<b>Session Chair</b>			Dr.	Mikhail	Sitnov	Thurs	31-Aug	08h30	1.42
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<b>A25</b>	120	MMS Observations of Energetic Particle Escape Associated with Magnetic Reconnection	Dr.	Ian	Cohen	Thurs	31-Aug	08h30	1.42
<b>A25</b>	121	Electron particle dynamics in collisionless magnetic reconnection	Dr.	Seiji	Zenitani	Thurs	31-Aug	09h00	1.42
<b>A25</b>	1062	Reconnection signatures observed by MMS in the near-Earth magnetotail	Dr.	Rumi	Nakamura	Thurs	31-Aug	09h30	1.42

<b>M04</b>	<b>Session Chair</b>			Dr.	Qiuzhen	Yin	Thurs	31-Aug	08h30	1.43
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<b>M04</b>	1128	Possible historical analogs to future African climates	Prof.	Sharon	Nicholson	Thurs	31-Aug	08h30	1.43
<b>M04</b>	1426	Seasonality over southern Africa during the Last Glacial Maximum	Dr.	Francois	Engelbrecht	Thurs	31-Aug	09h00	1.43
<b>M04</b>	191	Holocene temperature evolution in the Northern Hemisphere high latitudes - model-data comparisons	Ms.	Yurui	Zhang	Thurs	31-Aug	09h15	1.43
<b>M04</b>	57	Rainfall elasticity of the main river discharges in La Plata basin	Dr.	Carla	Gulizia	Thurs	31-Aug	09h30	1.43
<b>M04</b>	Discussion					Thurs	31-Aug	09h45	1.43

<b>M10</b>	<b>Session Chair</b>			Dr. Prof.	Neil Patrick	Hart Harr	Thurs	31-Aug	08h30	1.44
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<b>M10</b>	357	The role of ocean warm eddy on rapid intensification of Super-typhoon Rammasun (2014)	Mr.	Qinbo	Cai	Thurs	31-Aug	08h30	1.44
<b>M10</b>	774	Intraseasonal Oscillation Enhances C5 Typhoon Occurrence over the Tropical Western North Pacific	Dr.	Huang-Hsiung	Hsu	Thurs	31-Aug	08h45	1.44
<b>M10</b>	1343	Key features of named subtropical cyclones over the southwestern South Atlantic Ocean	Prof.	Rosmeri	Porfí-rio da Rocha	Thurs	31-Aug	09h00	1.44
<b>M10</b>	495	Vertical structure of Western Disturbances in the subtropical jetstream and mechanisms associated with extreme rainfall in South Asia	Dr.	Kieran	Hunt	Thurs	31-Aug	09h15	1.44
<b>M10</b>	444	Vorticity budgets of tropical intraseasonal oscillations	Prof.	Adrian	Matthews	Thurs	31-Aug	09h30	1.44
<b>M10</b>	1266	Gravity waves in a moist atmosphere: A mechanistic picture	Mr.	Nili	Harnik	Thurs	31-Aug	09h45	1.44

<b>A26</b>	<b>Session Chair</b>			Dr.	Larisa	Trichtchenko	Thurs	31-Aug	08h30	1.61
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<b>A26</b>	255	Observations of the Geomagnetic Effects on Ground Infrastructure: historical perspective	Dr.	David	Boteler	Thurs	31-Aug	08h30	1.61
<b>A26</b>	271	Recent developments and knowledge gaps in geomagnetically induced current research	Dr.	Alan	Thomson	Thurs	31-Aug	09h00	1.61
<b>A26</b>	535	Extreme value analysis of geomagnetically induced electric field in South Africa	Dr.	Stefan	Lotz	Thurs	31-Aug	09h30	1.61

<b>M12</b>	<b>Session Chair</b>			Prof.	Christoph	Jacobi	Thurs	31-Aug	08h30	1.62
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<b>M12</b>	653	Influence of Eurasian Snow Extent on the Northern extratropical stratosphere in a QBO resolving model	Dr.	Alexey Yu.	Karpechko	Thurs	31-Aug	08h30	1.62
<b>M12</b>	104	Does stratospheric sudden warming occur more frequently during ENSO winters than during ENSO-neutral winters?	Dr.	Seok-Woo	Son	Thurs	31-Aug	09h00	1.62
<b>M12</b>	383	The Downward Influence of Stratospheric Sudden Warmings	Dr.	Ian	White	Thurs	31-Aug	09h15	1.62
<b>M12</b>	208	Simultaneous Observations of Noctilucent Clouds and Mesospheric Summer Echoes at a mid-latitude site (Kahlungsborn/Germany, 54°N)	Dr.	Michael	Gerding	Thurs	31-Aug	09h30	1.62
<b>M12</b>	816	Towards the coupling between stratosphere and troposphere during major warming events with strong polar-night jet oscillations	Dr.	Dieter H.W.	Peters	Thurs	31-Aug	09h45	1.62

<b>P01</b>	<b>Session Chair</b>			Dr.	Eugene	Morozov	Thurs	31-Aug	08h30	1.63
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<b>P01</b>	758	The role of the bottom turbulence generated by the tide in the characterisation of the deep dynamic of the Western Ionian Sea	Dr.	Nadia	Lo Bue	Thurs	31-Aug	08h30	1.63
<b>P01</b>	638	Advances in the estimation of surface heat fluxes and thermohaline variability in Terra Nova Bay Polynya - Ross Sea, Antarctica	Prof.	Giannetta	Fusco	Thurs	31-Aug	08h45	1.63
<b>P01</b>	868	Variable elemental composition of organic new production and its potential effect on oceanic CO <sub>2</sub> uptake during glacials	Ms.	Malin	Oedalen	Thurs	31-Aug	09h00	1.63

<b>M11</b>	<b>Session Chair</b>			Dr.	Natalie	Burls	Thurs	31-Aug	08h30	1.64
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<b>M11</b>	1272	The annual cycle of rainfall in South Africa and its variability	Prof.	Mathieu	Rouault	Thurs	31-Aug	08h30	1.64
<b>M11</b>	117	The onset and cessation of seasonal rainfall over Africa	Miss.	Caroline	Dunning	Thurs	31-Aug	09h00	1.64
<b>M11</b>	1401	How is the seasonal cycle of tropical-extratropical cloud bands in the SICZ perturbed?	Dr.	Neil	Hart	Thurs	31-Aug	09h15	1.64
<b>M11</b>	604	Recent changes in the South Atlantic anticyclone and impacts on regional wind patterns	Dr.	Ross	Blamey	Thurs	31-Aug	09h30	1.64
<b>M11</b>	1442	The ACCESS Annual Cycle and Seasonality (ACyS) Project	Dr.	Neville	Sweijd	Thurs	31-Aug	09h45	1.64

<b>A44</b>	<b>Session Chair</b>		Dr.	Subramanian	Gurubaran	Thurs	31-Aug	08h30	2.41 - 2.43
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<b>A44</b>	1523	Evidence of quasi-90 day oscillations in the thermosphere as revealed by GOCE measurements and MERRA/TIME-GCM	Dr.	Federico	Gasperini	Thurs	31-Aug	08h30	2.41 - 2.43
<b>A44</b>	269	MTI coupling using MU radar and CMAT2 model	Prof.	Balan	Nanan	Thurs	31-Aug	08h45	2.41 - 2.43
<b>A44</b>	168	Planetary Wave-Tide Interactions in Atmosphere-Ionosphere Coupling	Prof.	Jeffrey M	Forbes	Thurs	31-Aug	09h00	2.41 - 2.43
<b>A44</b>	969	Wave-4 structures in FORMOSAT/COSMIC low latitude ionospheric observations during low and high solar activity periods	Dr.	Amelia	Onohara	Thurs	31-Aug	09h30	2.41 - 2.43
<b>A44</b>	870	On the relationship between the mesospheric tidal winds and counter electrojet in the Indian sector	Dr.	Subramanian	Gurubaran	Thurs	31-Aug	09h45	2.41 - 2.43

<b>P04</b>	<b>Session Chair</b>		Dr.	Christopher	Meinen	Thurs	31-Aug	08h30	2.61 - 2.63
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<b>P04</b>	401	Recent advances in South Atlantic and Southern Ocean Meridional Overturning Circulation	Dr.	Maria Paz	Chidichimo	Thurs	31-Aug	08h30	2.61 - 2.63
<b>P04</b>	1332	Recent daily AMOC variability estimates at 34.5°S from in situ observations	Prof.	Sabrina	Speich	Thurs	31-Aug	09h00	2.61 - 2.63
<b>P04</b>	13	An Investigation of Abyssal to Mid-depth Variations in SAMOC Properties	Dr.	Alison	Macdonald	Thurs	31-Aug	09h15	2.61 - 2.63
<b>P04</b>	494	Strong mixing and recirculation in the southwest South Atlantic	Mr.	Daniel	Valla	Thurs	31-Aug	09h30	2.61 - 2.63
<b>P04</b>	1004	Study of mesoscale features in the Cape Basin: Characteristics and impacts over a large range of scales	Dr.	Marion	Kersale	Thurs	31-Aug	09h45	2.61 - 2.63

<b>P02</b>	<b>Session Chair</b>		Prof.	Johan	Rodhe	Thurs	31-Aug	08h30	2.64 - 2.66
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<b>P02</b>	265	High-resolution Seaglider observations of tidal flows and frontal dynamics in a tidally energetic shelf sea	Mr.	Peter	Sheehan	Thurs	31-Aug	08h30	2.64 - 2.66
<b>P02</b>	261	Top down controls on the onset and development of shelf sea seasonal stratification.	Dr.	Matthew	Palmer	Thurs	31-Aug	08h45	2.64 - 2.66
<b>P02</b>	717	Pycnocline Mixing in Seasonally Stratified Shelf Seas	Dr.	Jeff	Polton	Thurs	31-Aug	09h00	2.64 - 2.66
<b>P02</b>	1031	Rainfall as a trigger for stratification and winter phytoplankton growth in temperate shelf seas	Ms.	Jenny	Jardine	Thurs	31-Aug	09h15	2.64 - 2.66
<b>P02</b>	720	How does the motion in the ocean breathe life into shelf seas? An autonomous study of vertical mixing and ventilation	Dr.	Charlotte	Williams	Thurs	31-Aug	09h30	2.64 - 2.66

<b>M01</b>	<b>Session Chair</b>		Prof.	Stuart J.	Piketh	Thurs	31-Aug	08h30	Roof Terrace
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<b>M01</b>	627	How well do we know surface emissions of atmospheric pollutants	Dr.	Claire	Granier	Thurs	31-Aug	08h30	Roof Terrace
<b>M01</b>	497	Finding the right seeding aerosol for Arctic winter cirrus cloud thinning	Dr.	Isabelle	Steinke	Thurs	31-Aug	09h00	Roof Terrace
<b>M01</b>	1284	A low tech approach to carbon sequestration	Prof.	David	Eichler	Thurs	31-Aug	09h15	Roof Terrace
<b>M01</b>	783	Air Pollution: A Global Environmental Problem with Important Health Consequences	Dr.	Claire	Granier	Thurs	31-Aug	09h30	Roof Terrace

## Session 2 10h30 - 12h00

<b>M22</b>	<b>Session Chair</b>			Dr. Dr.	Iracema Frederic	Cavalcanti Vitart	Thurs	31-Aug	10h30	1.41
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<b>M22</b>	334	Predictability of East-Atlantic regimes at sub-seasonal range using S2S forecast data	Dr.	Laura	Ferranti	Thurs	31-Aug	10h30	1.41
<b>M22</b>	828	The influence of Quasi-Biennial Oscillation on Madden-Julian Oscillation and its prediction skill in the Subseasonal to Seasonal (S2S) models	Prof.	Seok-Woo	Son	Thurs	31-Aug	10h45	1.41
<b>M22</b>	844	Mechanisms for a teleconnection pattern in response to the MJO	Prof.	Kyong-Hwan	Seo	Thurs	31-Aug	11h00	1.41
<b>M22</b>	274	MJO Prediction and Teleconnections in sub-seasonal forecasts	Dr.	Frederic	Vitart	Thurs	31-Aug	11h15	1.41
<b>M22</b>	404	A multi-model ensemble of S2S precipitation forecasts	Dr.	Nicolas	Vigaud	Thurs	31-Aug	11h30	1.41
<b>M22</b>	1144	Representation of large scale and regional features in model hindcasts to improve precipitation predictions at subseasonal timescale in South America.	Dr.	Iracema	Cavalcanti	Thurs	31-Aug	11h45	1.41

<b>P05</b>	<b>Session Chair</b>			Mrs.	Christa	von Hillebrandt	Thurs	31-Aug	10h30	1.42
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<b>P05</b>	126	Drivers of the spatial and temporal variability in sea level extremes	Prof.	Philip	Woodworth	Thurs	31-Aug	10h30	1.42
<b>P05</b>	1512	Destructive meteorological tsunamis in the world oceans: 2012-2016	Dr.	Alexander	Rabinovich	Thurs	31-Aug	10h45	1.42
<b>P05</b>	501	Procedure for Probabilistic Tsunami Hazard Assessment from Incomplete and Uncertain Data	Ms.	Ansie	Smit	Thurs	31-Aug	11h00	1.42
<b>P05</b>	1441	The role of the wind and magnetic field in the amplification and detection of tsunami-related internal gravity waves by airglow imaging systems	Dr.	Giovanni	Occhipinti	Thurs	31-Aug	11h15	1.42
<b>P05</b>	151	Mapping coastal sea level at high resolution with radar interferometry: the SWOT Mission	Dr.	Lee-Lueng	Fu	Thurs	31-Aug	11h30	1.42
<b>P05</b>	1223	SMART submarine telecommunication cables to monitor sea level in the global ocean	Dr.	Jerome	Aucan	Thurs	31-Aug	11h45	1.42

<b>M04</b>	<b>Session Chair</b>			Prof.	Andre	Berger	Thurs	31-Aug	10h30	1.43
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<b>M04</b>	1397	Tropical impact on migration and health of Greenland partial melting	Mr.	Gilles	Ramstein	Thurs	31-Aug	10h30	1.43
<b>M04</b>	1510	Human environment interaction during the mid-Holocene in Eastern South America : Reassessing the "ARCHAIC GAP"	Dr.	Astolfo	Araujo	Thurs	31-Aug	11h00	1.43
<b>M04</b>	413	A new classification of large-scale climate regimes around the Tibetan Plateau based on seasonal moisture transport patterns	Prof.	Xin-Gang	Dai	Thurs	31-Aug	11h15	1.43
<b>M04</b>	1295	Towards reconstructing past surface solar radiation from tree-ring C13 records in Europe	Prof.	Eduardo	Zorita	Thurs	31-Aug	11h30	1.43
<b>M04</b>	Discussion					Thurs	31-Aug	11h45	1.43

<b>M10</b>	<b>Session Chair</b>			Prof.	Patrick	Harr	Thurs	31-Aug	10h30	1.44
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<b>M10</b>	1386	Convective outbreaks over southern Africa and the regional circulation	Dr.	Neil	Hart	Thurs	31-Aug	10h30	1.44
<b>M10</b>	1130	The seasonal cycle over equatorial Africa	Prof.	Sharon	Nicholson	Thurs	31-Aug	10h45	1.44
<b>M10</b>	1025	On the vertical structure of IWC and 3D wind in deep tropical convection observed during the HIWC-HAIC-experiment at Darwin	Mr.	Wolfram	Wobrock	Thurs	31-Aug	11h00	1.44
<b>M10</b>	278	Impact of Atmospheric Blocking on South America in Austral Summer	Dr.	Regina	Rodrigues	Thurs	31-Aug	11h15	1.44
<b>M10</b>	713	Tropical Precipitation Variability In the FGOALS-f High-resolution Coupled Climate Model	Dr.	Qing	Bao	Thurs	31-Aug	11h30	1.44

<b>M12</b>	<b>Session Chair</b>			Dr.	Eugene	Rozanov	Thurs	31-Aug	10h30	1.62
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<b>M12</b>	1235	A synoptic wave-pulse view of the influence of planetary waves on the stratospheric vortex, polar ozone, the midlatitude effect of the QBO, and ozone waves.	Mr.	Nili	Harnik	Thurs	31-Aug	10h30	1.62
<b>M12</b>	848	Arctic Amplification of Stratospheric Variability	Prof.	Mark	Baldwin	Thurs	31-Aug	11h00	1.62
<b>M12</b>	1085	Stratospheric circulation response to global warming	Mr.	Tobias	Haufschild	Thurs	31-Aug	11h30	1.62
<b>M12</b>	529	Significant contributions of volcanic aerosols to decadal changes in the stratospheric circulation	Dr.	Mohamadou	Diallo	Thurs	31-Aug	11h45	1.62

<b>P01</b>	<b>Session Chair</b>			Mr.	Edmo	Campos	Thurs	31-Aug	10h30	1.63
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<b>P01</b>	1491	Climatologies and Long-term Sea Surface Temperature Trends around Southern Africa from the Pathfinder v5.3 Climate Data Record	Dr.	Deirdre	Byrne	Thurs	31-Aug	10h30	1.63
<b>P01</b>	1320	A seasonal comparison of nitrogen uptake and nitrification in the South Atlantic Southern Ocean	Mr.	Mhlangabezi	Mdutyana	Thurs	31-Aug	10h45	1.63
<b>P01</b>	1350	Why increase the ocean resolution of Earth System Models? The case of IPSLCM6	Dr.	Julie	Deshayes	Thurs	31-Aug	11h00	1.63
<b>P01</b>	1457	Comparing the Southern Ocean Surface Water pH in a High Resolution Coupled Climate Model and the CMIP5 Earth System Models With Observationally-based Metrics	Prof.	Joellen	Russell	Thurs	31-Aug	11h15	1.63
<b>P01</b>	1229	The Southern Ocean's mass, heat, and salt transports derived from numerical model simulations based on ARGO data and ECMWF wind	Dr.	Konstantin	Lebedev	Thurs	31-Aug	11h30	1.63
<b>P01</b>	965	Equatorial Deep Jets in the Atlantic Ocean studied by observations and ocean general circulation models	Prof.	Peter	Brandt	Thurs	31-Aug	11h45	1.63

<b>M11</b>	<b>Session Chair</b>			Dr.	Natalie	Burls	Thurs	31-Aug	10h30	1.64
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<b>M11</b>	698	The Seasonal Cycle of the Angola Low	Ms.	Emma	Howard	Thurs	31-Aug	10h30	1.64
<b>M11</b>	1207	On the seasonal cycle of the structure of the large-scale circulation over central Africa and its adjacent Oceans	Dr.	Georges-Noel T.	Longandjo	Thurs	31-Aug	10h45	1.64
<b>M11</b>	1469	How well do climate models simulate the seasonal cycle over Africa?	Dr.	Rachel	James	Thurs	31-Aug	11h00	1.64
<b>M11</b>	231	The annual cycle of ocean to atmosphere turbulent flux of moisture in the Agulhas current system	Miss.	Arielle Stela	Nkwinkwa Njouodo	Thurs	31-Aug	11h15	1.64
<b>M11</b>	1437	20th-Century Climate Change over Africa: Seasonal Variation in Hydroclimate Trends and Sahara Extent	Prof.	Sumant	Nigam	Thurs	31-Aug	11h30	1.64

<b>P04</b>	<b>Session Chair</b>			Prof.	Sabrina	Speich	Thurs	31-Aug	10h30	2.61 - 2.63
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<b>P04</b>	851	Recent advances in observing the North Atlantic Meridional Overturning Circulation	Prof.	Stuart	Cunningham	Thurs	31-Aug	10h30	2.61 - 2.63
<b>P04</b>	616	The late 2000s decrease in the Atlantic Meridional Overturning Circulation	Mr.	David	Smeed	Thurs	31-Aug	11h00	2.61 - 2.63
<b>P04</b>	506	AMOC components in the North Atlantic subpolar gyre	Prof.	Monika	Rhein	Thurs	31-Aug	11h15	2.61 - 2.63
<b>P04</b>	944	The importance of deep, basinwide measurements in optimized Atlantic Meridional Overturning Circulation observing arrays	Dr.	Gerard	McCarthy	Thurs	31-Aug	11h30	2.61 - 2.63
<b>P04</b>	790	A Possible Cause for Recent Decadal Atlantic Meridional Overturning Circulation Decline	Prof.	Mojib	Latif	Thurs	31-Aug	11h45	2.61 - 2.63

<b>P02</b>	<b>Session Chair</b>			Dr.	Matthew	Palmer	Thurs	31-Aug	10h30	2.64 - 2.66
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<b>P02</b>	113	Observed wave climate variation at the open part of the Black Sea	Dr.	Boris	Divinskii	Thurs	31-Aug	10h30	2.64 - 2.66
<b>P02</b>	193	Long-term wave measurements for large-scale climate characterization.	Dr.	Angela	Pomaro	Thurs	31-Aug	10h45	2.64 - 2.66
<b>P02</b>	893	Internal waves on shelf of the Black Sea	Mrs.	Elizaveta	Khimchenko	Thurs	31-Aug	11h00	2.64 - 2.66
<b>P02</b>	1524	Modulation of upper layer biochemical structure by mesoscale frontal dynamics in the Black Sea	Prof.	Temel	Oguz	Thurs	31-Aug	11h15	2.64 - 2.66
<b>P02</b>	1525	On the deep circulation of the Caspian Sea	Dr.	A. A.	Bidokhti	Thurs	31-Aug	11h30	2.64 - 2.66
<b>P02</b>	570	Regional numerical model of microfibrils transport in the Baltic Sea	Dr.	Andrei	Bagaev	Thurs	31-Aug	11h45	2.64 - 2.66

**Session 3**  
**13h30 - 15h00**

<b>A25</b>	<b>Session Chair</b>			Dr.	Mikhail	Sitnov	Thurs	31-Aug	13h30	1.42
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<b>A25</b>	171	Magnetotail Reconnection Ejecta: Building Blocks of Magnetospheric Activity	Dr.	Andrei	Runov	Thurs	31-Aug	13h30	1.42
<b>A25</b>	1485	Electron dynamics and current dissipation during magnetic reconnection in the solar corona	Dr.	Philippe-A.	Bourdin	Thurs	31-Aug	14h00	1.42
<b>A25</b>	327	MMS Observations of Electron Heating near the Magnetic Reconnection X-line	Dr.	Tai	Phan	Thurs	31-Aug	14h15	1.42
<b>A25</b>	835	Particle energization turbulence-structured reconnection-electric-fields near current sheets of collisionless space plasmas	Prof.	Joerg	Buechner	Thurs	31-Aug	14h45	1.42

<b>A36</b>	<b>Session Chair</b>			Dr.	Ute	Weckmann	Thurs	31-Aug	13h30	1.43
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<b>A36</b>	1274	Estimation of the mean magnetic thickness and magnetization over southern Africa by means of a high resolution lithospheric magnetic field model	Dr.	Foteini	Vervelidou	Thurs	31-Aug	13h30	1.43
<b>A36</b>	315	Interpretation of the geomagnetic anomalies in the Kaapvaal Craton in Botswana	Mr.	Calistus	Ramotoroko	Thurs	31-Aug	14h00	1.43
<b>A36</b>	1417	MT sounding experiment across the Bushveld Massive	Prof.	Valeriya	Hallbauer-Zadorozhnaya	Thurs	31-Aug	14h15	1.43
<b>A36</b>	1326	Transitional magmatic-amagmatic segmentation during continental breakup imaged with 3-magnetotellurics	Dr.	Sophie	Hautot	Thurs	31-Aug	14h30	1.43

<b>A18</b>	<b>Session Chair</b>			Dr. Prof.	Kazue Colin	Takahash Waters	Thurs	31-Aug	13h30	1.44
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<b>A18</b>	212	Modeling of cavity modes and field line resonances in the inner magnetosphere	Prof.	Robert	Lysak	Thurs	31-Aug	13h30	1.44
<b>A18</b>	239	Characterizing MHD fast mode wave properties and distributions outside the plasmasphere	Dr.	Michael	Harteringer	Thurs	31-Aug	13h45	1.44
<b>A18</b>	245	MESSENGER observations of ultra-low frequency plasma waves during substorm expansion phase at Mercury	Dr.	Wei-Jie	Sun	Thurs	31-Aug	14h00	1.44
<b>A18</b>	360	SuperDARN observations of substorm-driven ULF waves	Dr.	Matt	James	Thurs	31-Aug	14h15	1.44
<b>A18</b>	552	Solar terminator effects on middle- to low-latitude Pi2 pulsations	Dr.	Shun	Imajo	Thurs	31-Aug	14h45	1.44

<b>A31</b>	<b>Session Chair</b>			Dr.	Sergey	Khomutov	Thurs	31-Aug	13h30	1.61
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<b>A31</b>	1095	A space filter approach to study the energy cascade associated with coherent structures in Kelvin-Helmoltz turbulence	Mr.	Enrico	Camporeale	Thurs	31-Aug	13h30	1.61
<b>A31</b>	875	On the slow solar wind: Alfvénic versus non-Alfvénic	Dr.	Raffaella	D'Amicis	Thurs	31-Aug	13h45	1.61
<b>A31</b>	258	Properties of low frequency downstream waves associated with interplanetary shocks	Mr.	Oleksandr	Goncharov	Thurs	31-Aug	14h00	1.61
<b>A31</b>	422	First Detection of Radial and Azimuthal Oscillations in Halo CMEs	Ms.	Harim	Lee	Thurs	31-Aug	14h15	1.61
<b>A31</b>	1049	Universal scaling laws for magnetic field turbulence in a rope-rope magnetic reconnection event	Prof.	Rodrigo	Miranda	Thurs	31-Aug	14h30	1.61
<b>A31</b>	237	Scaling of power spectral densities of solar wind and IMF variations	Prof.	Jana	Safrankova	Thurs	31-Aug	14h45	1.61

<b>A34</b>	<b>Session Chair</b>				Stavros	Kotsiaros	Thurs	31-Aug	13h30	1.62
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<b>A34</b>	1190	High-resolution crustal field models from the Earth Magnetic Anomaly Grid	Dr.	Arnaud	Chulliat	Thurs	31-Aug	13h30	1.62
<b>A34</b>	999	How sensitive is the global lithospheric magnetic field to the geometry of the inducing field and the shape of the magnetized layer?	Dr.	Du	Jinsong	Thurs	31-Aug	13h45	1.62
<b>A34</b>	603	Regional lithospheric field modelling using monopoles and a combination of airborne and satellite data	Ms.	Livia	Kother	Thurs	31-Aug	14h00	1.62
<b>A34</b>	798	LCS-1: First lithospheric magnetic field model from CHAMP and Swarm satellites magnetic gradient observations and implications for magnetic anomaly interpretation	Dr.	Dhananjay	Ravat	Thurs	31-Aug	14h15	1.62

<b>A30</b>	<b>Session Chair</b>			Dr. Dr.	Jin-Yi Ada	Lee Ortiz-Carbonell	Thurs	31-Aug	13h30	1.63
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<b>A30</b>	748	The Heliospheric Boundaries: Global Modeling vs. Voyager and IBEX data	Prof.	Vladislav	Izmodenov	Thurs	31-Aug	13h30	1.63
<b>A30</b>	149	Science with the European Solar Telescope	Dr.	María Jesús	Martínez González	Thurs	31-Aug	14h00	1.63
<b>A30</b>	282	Solar Wind Measurements on Solar Orbiter: Discovering the Links Between the Solar Wind and the Atmosphere of Our Sun	Dr.	Stefano	Livi	Thurs	31-Aug	14h30	1.63

<b>A26</b>	<b>Session Chair</b>			Dr.	Larisa	Trichtchenko	Thurs	31-Aug	13h30	2.41 - 2.43
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<b>A26</b>	273	Improving the modeling of geomagnetically induced currents in Spain	Prof.	J. Miquel	Torta	Thurs	31-Aug	13h30	2.41 - 2.43
<b>A26</b>	164	Continental scale geomagnetic induction hazards using a 3-D electrical conductivity model of Australia	Dr.	Liejun	Wang	Thurs	31-Aug	13h45	2.41 - 2.43
<b>A26</b>	1505	Interpolation of surface impedance for GIC modelling	Prof.	Pierre	Cilliers	Thurs	31-Aug	14h00	2.41 - 2.43
<b>A26</b>	484	Modelling geomagnetically induced currents using data from a remote geomagnetic observatory	Dr.	Ciaran	Beggan	Thurs	31-Aug	14h15	2.41 - 2.43
<b>A26</b>	757	Regional rigorous 3-D modelling of ground geoelectric and geomagnetic field due to realistic geomagnetic disturbances	Mrs.	Elena	Ivannikova	Thurs	31-Aug	14h30	2.41 - 2.43
<b>A26</b>	396 423 1126 449	Brief presentation of Posters in the session		V. Pilipenko E. Matandirotya E.M. Diogo M. Heyns		Thurs	31-Aug	14h45	2.41 - 2.43

<b>A07</b>	<b>Session Chair</b>			Dr.	Adrian	Muxworthy	Thurs	31-Aug	13h30	2.44 - 2.46
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<b>A07</b>	945	How do sediments get magnetized?	Dr.	David	Heslop	Thurs	31-Aug	13h30	2.44 - 2.46
<b>A07</b>	985	Thermal stability of Palaeomagnetic Recorders.	Prof.	Wyn	Williams	Thurs	31-Aug	14h00	2.44 - 2.46
<b>A07</b>	793	Frequency-Dependent Magnetic Susceptibility: How Trustworthy It Is in Proving Superparamagnetic Particles?	Dr.	Eduard	Petrovsky	Thurs	31-Aug	14h15	2.44 - 2.46
<b>A07</b>	943	Utilize rock magnetism to better determine paleointensities for Thellier-series experiments	Dr.	Huapei	Wang	Thurs	31-Aug	14h30	2.44 - 2.46

<b>JA2</b>	<b>Session Chair</b>			Dr. Dr.	Simon Masahito	Flower Nose	Thurs	31-Aug	13h30	2.61 - 2.63
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<b>JA2</b>	565	Recent activity of DOI-minting to solar-terrestrial physics data in Japan	Dr.	Masahito	Nose	Thurs	31-Aug	13h30	2.61 - 2.63
<b>JA2</b>	886	Geophysical data publishing under the "Earth Science DataBase" project	Dr.	Anatoly	Soloviev	Thurs	31-Aug	13h45	2.61 - 2.63
<b>JA2</b>	1195	Approach to Assignment and Management of DOIs for Oceanographic Data	Dr.	Toru	Suzuki	Thurs	31-Aug	14h00	2.61 - 2.63
<b>JA2</b>	802	On recognition of "primary data" producers through DOI of "secondary" data	Dr.	Yasuhiro	Murayama	Thurs	31-Aug	14h15	2.61 - 2.63
<b>JA2</b>	1021	Using Digital Object Identifiers in INTERMAGNET	Dr.	Simon	Flower	Thurs	31-Aug	14h30	2.61 - 2.63
<b>JA2</b>	1344	International Service of Geomagnetic Indices: Current status	Dr.	Aude	Chambodut	Thurs	31-Aug	14h45	2.61 - 2.63
<b>JA2</b>	1300	Doi for BCMT dataset of magnetic observatories	Dr.	Pierdavide	Coisson	Thurs	31-Aug	15h00	2.61 - 2.63

**Session 4**  
**15h30 - 17h00**

<b>A25</b>	<b>Session Chair</b>			Dr.	Mikhail	Sitnov	Thurs	31-Aug	15h30	1.42
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<b>A25</b>	608	Magnetic reconnection and its manifestations in the Plasma Sheet Boundary Layer of the Earth's magnetotail	Dr.	Elena	Grigorenko	Thurs	31-Aug	15h30	1.42
<b>A25</b>	1146	The Onset of Magnetic Reconnection: Tearing Instability in Current Sheets with a Guide Field	Mr.	Lars K. S.	Daldorff	Thurs	31-Aug	15h45	1.42
<b>A25</b>	179	Characteristics of high latitude precursor flows ahead of dipolarization fronts	Dr.	Xuzhi	Zhou	Thurs	31-Aug	16h15	1.42

<b>A36</b>	<b>Session Chair</b>			Dr. Prof.	Ute Moctar	Weckman Doucoure	Thurs	31-Aug	15h30	1.43
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<b>A36</b>	873	Magnetotelluric imaging of the Central Main Ethiopian Rift - Implications for magma pathways and storage	Dr.	Juliane	Huebert	Thurs	31-Aug	15h30	1.43
<b>A36</b>	452	Electrical resistivity structure of Arsanjan Block, Zagros Fold and Thrust Belt, obtained from magnetotelluric data	Dr.	Nikolay	Palshin	Thurs	31-Aug	16h00	1.43
<b>A36</b>	188	Precambrian crust architecture of SE Fennoscandia evidenced by new geophysical models	Mrs.	Elena	Sokolova	Thurs	31-Aug	16h15	1.43
<b>A36</b>	587	2.5D inversion of multi-component long offset transient electromagnetic data	Prof.	Bulent	Tezkan	Thurs	31-Aug	16h30	1.43

<b>A18</b>	<b>Session Chair</b>			Dr. Prof.	Kazue Colin	Takahash Waters	Thurs	31-Aug	15h30	1.44
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<b>A18</b>	425	Electron acceleration by ULF waves associated with dispersionless injections during a substorm event	Dr.	Elena	Kronberg	Thurs	31-Aug	15h30	1.44
<b>A18</b>	1198	Energisation of charged particles due to ULF waves	Prof.	Colin	Waters	Thurs	31-Aug	15h45	1.44
<b>A18</b>	1240	Pulsating proton aurora caused by rising tone Pc1 waves	Dr.	Reiko	Nomura	Thurs	31-Aug	16h00	1.44
<b>A18</b>	524	Magnetospheric Multiscale observations of the spatial scales and onset conditions of EMIC waves in the outer magnetosphere	Prof.	Mark	Engebretson	Thurs	31-Aug	16h30	1.44
<b>A18</b>	567	Ionospheric Aflvén resonator observed at low-latitude ground station	Dr.	Masahito	Nose	Thurs	31-Aug	16h45	1.44

<b>A32</b>		<b>Session Chair</b>	Dr.	Spiros	Patsourakos	Thurs	31-Aug	15h30	1.61
<b>A32</b>	751	Coronal Magnetometry	Dr.	Sarah	Gibson	Thurs	31-Aug	15h30	1.61
<b>A32</b>	263	Past, Current and Future Research on Coronal Mass Ejections	Dr.	Angelos	Vourlidas	Thurs	31-Aug	16h00	1.61
<b>A32</b>	420	Shocks, Waves, Radio Emissions, and Energetic Particles in the Corona and the Heliosphere	Prof.	Iver	Cairns	Thurs	31-Aug	16h30	1.61

<b>A34</b>	<b>Session Chair</b>			Dr.	Foteini	Vervelidou	Thurs	31-Aug	15h30	1.62
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<b>A34</b>	326	A lost generation of impact structures on Earth	Dr.	Michael	Purucker	Thurs	31-Aug	15h30	1.62
<b>A34</b>	435	Earth's crust magnetization model of the Nether-Polar and Polar Urals	Prof.	Petr	Martyshko	Thurs	31-Aug	16h00	1.62
<b>A34</b>	1443	New aeromagnetic and airborne gravity views of the South Pole frontier in East Antarctica	Dr.	Fausto	Ferraccioli	Thurs	31-Aug	16h15	1.62
<b>A34</b>	843	Utility of aeromagnetic data for structural mapping in areas of limited out crop: A case study from the Mesozoic Kutch rift basin, India.	Prof.	P R	Radhika	Thurs	31-Aug	16h30	1.62
<b>A34</b>	1069	Inclusion of shipboard three-component magnetometer data in global marine magnetic anomaly data compilation	Dr.	Takemi	Ishihara	Thurs	31-Aug	16h45	1.62
<b>A34</b>	1309	New geothermal heat flux distribution of Greenland and its relationship with the Iceland hotspot	Dr.	Manuel	Catalan	Thurs	31-Aug	17h00	1.62

<b>A41</b>	<b>Session Chair</b>			Dr.	Trey	Cade	Thurs	31-Aug	15h30	1.63
<b>A42</b>										

<b>A41</b>	<b>A42</b>	1220	The Historical Development of Solar-Terrestrial Relations	Dr.	Leif	Svalgaard	Thurs	31-Aug	15h30	1.63
<b>A41</b>	<b>A42</b>	87	The First Space Weather Prediction	Dr.	Trey	Cade	Thurs	31-Aug	15h45	1.63
<b>A41</b>	<b>A42</b>	95	Historical View of Deep-Dielectric Spacecraft Charging and Operational Impacts	Dr.	Daniel	Baker	Thurs	31-Aug	16h00	1.63
<b>A41</b>	<b>A42</b>	1234	The Global Magnetic Observatory Network: Untapped Possibilities?	Dr.	Arnaud	Chulliat	Thurs	31-Aug	16h15	1.63
<b>A41</b>	<b>A42</b>	356	After about 350 years and zero declination again in Paris	Prof.	Mioara	Mandea	Thurs	31-Aug	16h30	1.63
<b>A41</b>	<b>A42</b>	1329	History of satellite geomagnetic missions in the former USSR and Russia	Dr.	Roman	Krasnoperov	Thurs	31-Aug	16h45	1.63

<b>A26</b>	<b>Session Chair</b>			Dr.	Larisa	Trichtchenko	Thurs	31-Aug	15h30	2.41 - 2.43
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<b>A26</b>	941	Its not about the GICs	Prof.	Charles	Gaunt	Thurs	31-Aug	15h30	2.41 - 2.43
<b>A26</b>	183	Transformer level modelling of GIC in New Zealand's electrical transmission network	Dr.	Tim	Divett	Thurs	31-Aug	16h00	2.41 - 2.43
<b>A26</b>	1480	Power System Response to Geomagnetically Induced Currents	Dr.	David	Oyedokun	Thurs	31-Aug	16h15	2.41 - 2.43
<b>A26</b>	288	New Zealand Long term Geomagnetically Induced Current Observations: Peak Current Estimates and Mitigation Approaches for Extreme Geomagnetic Storms	Prof.	Craig	Rodger	Thurs	31-Aug	16h30	2.41 - 2.43
<b>A26</b>	426	Modelling geomagnetically induced currents in Austria	Ms.	Rachel	Bailey	Thurs	31-Aug	16h45	2.41 - 2.43

<b>A07</b>	<b>Session Chair</b>			Dr.	Adrian	Muxworthy	Thurs	31-Aug	15h30	2.44 - 2.46
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<b>A07</b>	1434	Paleointensity results of Modipe Gabbro of Botswana and implications to future paleomagnetic studies in the region	Dr.	James	King	Thurs	31-Aug	15h30	2.44 - 2.46
<b>A07</b>	1129	Fluid infiltration in a fault: a rock magnetic, mineralogical, and geochemical assessment of the Yingxiu-Beichuan fault (Longmen Shan thrust belt, China)	Dr.	Mark	Dekkers	Thurs	31-Aug	16h00	2.44 - 2.46
<b>A07</b>	791	On the anisotropy of magnetization measurements of deformed hematite samples	Dr.	Eduard	Petrovsky	Thurs	31-Aug	16h15	2.44 - 2.46
<b>A07</b>	333	Paleomagnetic field reconstruction from mixtures of titanomagnetites	Dr.	Thomas	Berndt	Thurs	31-Aug	16h30	2.44 - 2.46
<b>A07</b>	366	The Hunting of the 'Psark' - 40 Years On	Prof.	Wyn	Williams	Thurs	31-Aug	16h45	2.44 - 2.46

<b>M01</b>	<b>Session Chair</b>			Prof.	Johan Paul	Beukes	Thurs	31-Aug	15h30	2.61 - 2.63
<b>M01</b>	1088	Source apportionment of air pollutants at multiple Highveld Townships in South Africa - Implications for air quality management and human health	Prof.	Stuart	Piketh	Thurs	31-Aug	15h30	2.61 - 2.63	
<b>M01</b>	554	Atmospheric Chemistry Research and International Collaborations: Challenges facing the International Global Atmospheric Chemistry (IGAC) Project	Dr.	Hiroshi	Tanimoto	Thurs	31-Aug	16h00	2.61 - 2.63	
<b>M01</b>	557	Simulation of the cross-border transports and horizontal high-resolution distributions of aerosols in Fukuoka, Japan: Towards the predictions for health care	Dr.	Takeshi	Kuroda	Thurs	31-Aug	16h30	2.61 - 2.63	
<b>M01</b>	1239	Influence of stratospheric ozone in the troposphere of southern Africa: Wavelet Approach	Dr.	Nkanyiso	Mbatha	Thurs	31-Aug	16h45	2.61 - 2.63	

**Joint Assembly 2017 - Scientific Programme  
Friday, 1 September 2017**

**Session 1  
08h30 - 10h00**

<b>A21</b>	<b>Session Chair</b>			Prof.	Andrew	Yau	Fri	1-Sep	08h30	1.41
<b>A21</b>	961	How flux transfer events with a low recurrence rate may cause the formation of bending auroral arcs	Dr.	Anita	Kullen	Fri	1-Sep	08h30	1.41	
<b>A21</b>	902	North-south asymmetries in cold plasma density in the magnetotail lobes: Cluster observations	Dr.	Stein	Haaland	Fri	1-Sep	08h45	1.41	
<b>A21</b>	1156	High Latitude Observations with the CASSIOPE/e-POP Instruments	Dr.	H. Gordon	James	Fri	1-Sep	09h15	1.41	
<b>A21</b>	162	Global Distribution of Alfvén Waves in the High-Altitude Polar Region	Dr.	Andreas	Keiling	Fri	1-Sep	09h45	1.41	

<b>A27</b>	<b>Session Chair</b>			Dr.	Gregory	Fleishman	Fri	1-Sep	08h30	1.42
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<b>A27</b>	927	Measuring quiet-Sun magnetic fields in the photosphere: recent advances and future perspectives	Dr.	Andreas	Lagg	Fri	1-Sep	08h30	1.42
<b>A27</b>	1513	ALMA Observations of the Sun	Dr.	Tim	Bastian	Fri	1-Sep	09h00	1.42
<b>A27</b>	530	A new web resource for solar physics: reconstruction of 3D reality in solar flares and active regions.	Ms.	Anastasia	Tsvetkova	Fri	1-Sep	09h30	1.42

<b>A37</b> <b>A38</b> <b>A39</b>	<b>Session Chair</b>			Dr. Prof.	Mark Gad	Everett El-Qady	Fri	1-Sep	08h30	1.43
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<b>A37</b> <b>A38</b> <b>A39</b>	833	Near-surface structure of the Central Ganga Plain by magnetotellurics: Implications for deep groundwater exploration and depositional environment of sediments	Dr.	Ajai	Manglik	Fri	1-Sep	08h30	1.43
<b>A37</b> <b>A38</b> <b>A39</b>	1417	MT sounding experiment across the Bushveld Massive	Prof.	Valeriya	Hallbauer-Zadorozhnaya	Fri	1-Sep	08h45	1.43
<b>A37</b> <b>A38</b> <b>A39</b>	710	Imaging a potential shale gas bearing formation in the Eastern Karoo basin, South Africa, with magnetotellurics	Dr.	Ute	Weckmann	Fri	1-Sep	09h00	1.43
<b>A37</b> <b>A38</b> <b>A39</b>	767	Subsurface Investigations of Carbonate Geologies of Bonaire, Caribbean Netherlands using Ground Penetrating Radar	Mr.	Roy	Bowling	Fri	1-Sep	09h15	1.43
<b>A37</b> <b>A38</b> <b>A39</b>	80	Resistivity images of Zagros Fault Belt	Dr.	Nikolay	Palshin	Fri	1-Sep	09h30	1.43
<b>A37</b> <b>A38</b> <b>A39</b>	1414	Membrane polarization and Maxwell-Wagner model: petrophysical and electrical difference	Prof.	Valeriya	Hallbauer-Zadorozhnaya	Fri	1-Sep	09h45	1.43

<b>M08</b>	<b>Session Chair</b>			Prof.	Thomas	Spengler	Fri	1-Sep	08h30	1.44
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<b>M08</b>	1385	The North Atlantic Waveguide and Downstream Impact Experiment (NAWDEX)	Prof.	George	Craig	Fri	1-Sep	08h30	1.44
<b>M08</b>	1363	A preliminary climatology of surface cyclones associated with upper-levels potential vorticity anomaly over South America	Ms.	Natolia	Machado Crespo	Fri	1-Sep	09h00	1.44
<b>M08</b>	534	Beyond Warm and Cold: An Objective Classification for Maritime Mid-Latitude Fronts	Dr.	Clemens	Spensberger	Fri	1-Sep	09h15	1.44
<b>M08</b>	178	Generation and backreaction of spontaneously emitted inertia-gravity waves	Dr.	Norihiko	Sugimoto	Fri	1-Sep	09h30	1.44
<b>M08</b>	232	Understanding the spatial and temporal variability of atmospheric heat transport in a hierarchy of models	Dr.	Gabriele	Messori	Fri	1-Sep	09h45	1.44

<b>JM3 M02</b>	<b>Session Chair</b>				Marcelo	Sabar	Fri	1-Sep	08h30	1.61
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<b>JM3 M02 M03</b>	355	A tentative analysis on lightning heating effect duration based on a case observed with a ground-based microwave radiometer	Mr.	Zhenhui	Wang	Fri	1-Sep	08h30	1.61
<b>JM3 M02 M03</b>	201	Climatological characteristics and spatio-temporal correspondence of lightning and precipitation over the Qinghai-Tibet Plateau	Dr.	Yijun	Zhang	Fri	1-Sep	08h45	1.61
<b>JM3 M02 M03</b>	463	Predicting the number and area of thunderstorms over Africa using WWLLN data	Prof.	Colin	Price	Fri	1-Sep	09h00	1.61
<b>JM3 M02 M03</b>	558	Three-dimension Lightning Location Based on Low-frequency Electric Field Change and Preliminary Results	Prof.	Dong	Zheng	Fri	1-Sep	09h15	1.61
<b>JM3 M02 M03</b>	1242	The SAETTA-LMA network: from individual flashes to 3-year lightning climatology in Corsica	Dr.	Eric	Defer	Fri	1-Sep	09h30	1.61
<b>JM3 M02 M03</b>	1447	Characterizing a Network, Location Accuracy and Detection Efficiency of the ENTLN	Dr.	Michael	Stock	Fri	1-Sep	09h45	1.61

<b>M14</b>	<b>Session Chair</b>			Dr.	Tracy	Moffat-Griffin	Fri	1-Sep	08h30	1.62
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<b>M14</b>	483	Observation of OH-airglow from ground, aircraft, and satellite: investigation of different wave types	Dr.	Sabine	Wust	Fri	1-Sep	08h30	1.62
<b>M14</b>	488	Understanding interhemispheric differences in NLC variability	Ms.	Maartje	Kuilman	Fri	1-Sep	08h45	1.62
<b>M14</b>	644	Turbulence measurements with LITOS during a multi scale gravity wave event at polar latitudes	Mr.	Jens	Söder	Fri	1-Sep	09h00	1.62
<b>M14</b>	1200	Comparison of Mesospheric Wave Activities at South Pole, and ALOMAR, Norway (69°N)	Dr.	Yucheng	Zhao	Fri	1-Sep	09h15	1.62
<b>M14</b>	1467	Variability of wind and airglow irradiance above Eureka, Nunavut	Prof.	William	Ward	Fri	1-Sep	09h30	1.62
<b>M14</b>	681	The South Georgia Gravity Wave Experiment (SG-WEX): investigating the small island problem	Dr.	Tracy	Moffat-Griffin	Fri	1-Sep	09h45	1.62

<b>A19 A20</b>	<b>Session Chair</b>			Dr.	Steven	Petrinec	Fri	1-Sep	08h30	1.63
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<b>A19 A20</b>	390	MMS at the Bow Shock	Prof.	Steve	Schwartz	Fri	1-Sep	08h30	1.63
<b>A19 A20 A22</b>	407	Boundary layers and diffusion regions at the Earth's magnetopause as observed by MMS	Dr.	Stephen	Fuselier	Fri	1-Sep	09h00	1.63
<b>A19 A20 A22</b>	194	Multiple particle populations in the magnetopause boundary layers	Dr.	Benoit	Lavraud	Fri	1-Sep	09h30	1.63

<b>A35</b>	<b>Session Chair</b>			Ms.	Ellen	Clarke	Fri	1-Sep	08h30	1.64
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<b>A35</b>	1029	Applications of magnetometer data to Space Weather modelling and now-casting	Prof.	Pierre	Cilliers	Fri	1-Sep	08h30	1.64
<b>A35</b>	545	Assessment of GIC risk based on transfer function analysis	Dr.	Malcolm	Ingham	Fri	1-Sep	09h00	1.64
<b>A35</b>	988	ULF Wave Power Index for Space Weather and Geophysical Applications	Ms.	Olga	Kozyreva	Fri	1-Sep	09h15	1.64
<b>A35</b>	1147	The First Statistical and Wavelet Analysis of the New Magnetometer Installed on Mid-West of Brazil	Dr.	Maurício	Bolzan	Fri	1-Sep	09h30	1.64
<b>A35</b>	155	Prediction of the magnetic index am based on development and performance comparisons of static and dynamic neural networks	Miss.	Marina	Gruet	Fri	1-Sep	09h45	1.64

<b>JA4</b>	<b>Session Chair</b>			Prof.	Christoph	Jacobi	Fri	1-Sep	08h30	2.41 - 2.43
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<b>JA4</b>	200	Solar Radiative Forcing	Ms.	Natalie	Krivova	Fri	1-Sep	08h30	2.41 - 2.43
<b>JA4</b>	938	Solar forcing for CMIP6	Mr.	Bernd	Funke	Fri	1-Sep	09h00	2.41 - 2.43
<b>JA4</b>	400	Surface Pressure Responses to Ionospheric Potential Change: Independent Responses to Solar Wind and Internal Atmospheric Electrification	Mr.	Brian	Tinsley	Fri	1-Sep	09h30	2.41 - 2.43
<b>JA4</b>	607	Variability of planetary waves: is there an impact of the solar-magnetic field?	Ms.	Lisa	Küchelbacher	Fri	1-Sep	09h45	2.41 - 2.43

<b>A11</b>	<b>Session Chair</b>			Dr.	Maxim	Klimenko	Fri	1-Sep	08h30	2.44 - 2.46
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<b>A11</b>	1255	An investigation of ionospheric upper transition height variations at low and equatorial latitudes deduced from combined COSMIC and C/NOFS measurements	Prof.	Biqiang	Zhao	Fri	1-Sep	08h30	2.44 - 2.46
<b>A11</b>	651	Latitudinal variation of F3 layer at Brazilian region during quiet and disturbed periods	Dr.	Inez	Batista	Fri	1-Sep	08h45	2.44 - 2.46
<b>A11</b>	312	Large scale TIDs possibly generated by low latitude electrodynamic	Dr.	John Bosco	Habarulema	Fri	1-Sep	09h00	2.44 - 2.46
<b>A11</b>	268	Recent developments in the understanding of the low latitude ionosphere	Prof.	Balan	Nanan	Fri	1-Sep	09h30	2.44 - 2.46

<b>P04</b>	<b>Session Chair</b>			Dr.	Agatha	de Boer	Fri	1-Sep	08h30	2.61 - 2.63
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<b>P04</b>	369	Recent advances in theoretical modeling of the meridional overturning circulation	Dr.	Helen	Johnson	Fri	1-Sep	08h30	2.61 - 2.63
<b>P04</b>	940	Recent strengthening of deep convection in the North Atlantic Subpolar Gyre	Dr.	Marieke Femke	de Jong	Fri	1-Sep	09h00	2.61 - 2.63
<b>P04</b>	712	On the buoyancy-driven theory of the Atlantic meridional overturning circulation	Mr.	Remi	Tailleux	Fri	1-Sep	09h15	2.61 - 2.63
<b>P04</b>	723	Modelling the onset of North Atlantic Deep Water formation across the Eocene-Oligocene Transition	Dr.	David	Hutchinson	Fri	1-Sep	09h30	2.61 - 2.63
<b>P04</b>	1222	The Atlantic-Pacific Buoyancy Dipole and the Thermodynamic Role of the Global Overturning Circulation	Ms.	Emily	Newsom	Fri	1-Sep	09h45	2.61 - 2.63

<b>P02</b>	<b>Session Chair</b>			Dr.	Angela	Pomaro	Fri	1-Sep	08h30	2.64 - 2.66
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<b>P02</b>	796	Leading Modes of Interannual Variability of Mediterranean Evaporation and their Relation to Regional Atmospheric Dynamics During Boreal Summer	Dr.	Igor	Zveryaev	Fri	1-Sep	08h30	2.64 - 2.66
<b>P02</b>	205	Multi-model analysis of the Adriatic-Ionian thermohaline circulation using an ensemble of multi-decadal regional ocean simulations	Ms.	Natalija	Dunic	Fri	1-Sep	08h45	2.64 - 2.66
<b>P02</b>	1035	Multi-sensor satellite observations of marine basins: the Western Mediterranean case study	Dr.	Svetlana	Karimova	Fri	1-Sep	09h00	2.64 - 2.66
<b>P02</b>	500	Measuring pH variability using an experimental sensor on an underwater glider	Mr.	Michael	Hemming	Fri	1-Sep	09h15	2.64 - 2.66
<b>P02</b>	498	High resolution physical and biogeochemical measurements obtained from an underwater glider in the northwestern Mediterranean Sea during the spring bloom	Mr.	Michael	Hemming	Fri	1-Sep	09h30	2.64 - 2.66

<b>M01</b>	<b>Session Chair</b>			Prof.	Shaw Chen	Liu	Fri	1-Sep	08h30	Roof Terrace
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<b>M01</b>	458	Past, Present and Future of Tropospheric Ozone in Asia	Dr.	Hiroshi	Tanimoto	Fri	1-Sep	08h30	Roof Terrace
<b>M01</b>	1468	Ozone measurements for the Australian region, past, present and future	Dr.	Robyn	Schofield	Fri	1-Sep	09h00	Roof Terrace
<b>M01</b>	378	Diagnosing changes in free tropospheric ozone over Europe: A model study	Dr.	Fiona	Tummon	Fri	1-Sep	09h30	Roof Terrace
<b>M01</b>	1015	Long-term changes of regional ozone in China: implications for health and ecosystem impacts	Prof.	Xiaobin	Xu	Fri	1-Sep	09h45	Roof Terrace

## Session 2 10h30 - 12h00

A21	<b>Session Chair</b>		Dr.	H. Gordon	James	Fri	1-Sep	10h30	1.41
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A21	935	Quantitative Assessment of High-Latitude Energy Input	Dr.	Gang	Lu	Fri	1-Sep	10h30	1.41
A21	894	Ion Upflows and Hot Oxygen Atom Production in the Topside Auroral Ionosphere	Prof.	Andrew	Yau	Fri	1-Sep	11h00	1.41
A21	1175	Dual ExB Flow Responses in the Dayside Ionosphere to a Sudden IMF By Rotation	Dr.	Stefan	Eriksson	Fri	1-Sep	11h15	1.41
A21	365	Use of spherical elementary currents to map the polar current systems associated with the geomagnetic sudden commencements on 2013 and 2015 St. Patrick's Day storms	Dr.	Santiago	Marsal	Fri	1-Sep	11h30	1.41
A21	1258	A statistical analysis of the longitudinal location of the southern polar cusp using Pc5 geomagnetic field fluctuations at a pair of Antarctic stations	Mr.	Domenico	Di Mauro	Fri	1-Sep	11h45	1.41

A27	<b>Session Chair</b>		Dr.	Lucia	Kleint	Fri	1-Sep	10h30	1.42
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A27	474	Measurements of electric current density in the solar photosphere	Dr.	Veronique	Bommier	Fri	1-Sep	10h30	1.42
A27	841	Coronal Magnetic Field Reconstruction	Dr.	Michael	Wheatland	Fri	1-Sep	11h00	1.42
A27	1064	Casting the Coronal Magnetic Field Reconstruction Tools in 3D Using MHD Bifrost Model	Dr.	Gregory	Fleishman	Fri	1-Sep	11h30	1.42

<b>A37</b>	<b>Session Chair</b>			Prof.	Valeriya Klaus	Hallbauer-Zadorozhnaya Spitzer	Fri	1-Sep	10h30	1.43
<b>A38</b>				Prof.						
<b>A39</b>										

<b>A37</b>	596	Topographic Distortions of Magnetotelluric Transfer Functions: a High Resolution 3-D Modelling Study using Real Topography	Mr.	Johannes	Käufli	Fri	1-Sep	10h30	1.43
<b>A38</b>	1112	Controlled-source electromagnetic induction from a perspective of non-equilibrium statistical mechanics	Mr.	Mark	Everett	Fri	1-Sep	10h45	1.43
<b>A39</b>	283	Anisotropic three-dimensional inversion of marine controlled-source electromagnetic data based on a secondary-field Nédélec finite element forward operator and unstructured grids	Mr.	Klaus	Spitzer	Fri	1-Sep	11h00	1.43
<b>A37</b>	454	Magnetotellurics with magnetic observatory data affected by the ocean effect: Methodology and Results	Mr.	Achim	Morschhauser	Fri	1-Sep	11h15	1.43
<b>A38</b>	733	Constraint 3D Inversion of Magnetotelluric data from San Felipe (Mexico) for geothermal exploration	Mr.	Diego	Ruiz Aguilar	Fri	1-Sep	11h30	1.43
<b>A39</b>	1196	Mapping lake sediment thickness and conductivity using an exploration-industry helicopter electromagnetic data set	Dr.	Ian	Ferguson	Fri	1-Sep	11h45	1.43

<b>M08</b>	<b>Session Chair</b>			Dr.	Clemens	Spensberger	Fri	1-Sep	10h30	1.44
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<b>M08</b>	981	Will storm tracks shift poleward under climate change?	Prof.	Theodore G.	Shepherd	Fri	1-Sep	10h30	1.44
<b>M08</b>	1370	Projected Changes in South Atlantic Cyclones in a Warmer World using HadGEM2-ES	Mrs.	Carolina	Barnez Gramcianinov	Fri	1-Sep	11h00	1.44
<b>M08</b>	1096	North Atlantic storm tracks: static stability and the role of tropical-extratropical interactions	Dr.	Cheikh	Mbengue	Fri	1-Sep	11h15	1.44
<b>M08</b>	209	The modulation of stationary waves, and their response to climate change by parameterized orographic drag	Miss.	Annelize	van Niekerk	Fri	1-Sep	11h30	1.44
<b>M08</b>	361	Daily to decadal modulation of jet variability	Dr.	Tim	Woollings	Fri	1-Sep	11h45	1.44

<b>JM3 M02 M03</b>	<b>Session Chair</b>		Prof.	Colin	Price	Fri	1-Sep	10h30	1.61
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<b>JM3 M02 M03</b>	455	A Synergic Approach to the Study of TGFs and Energetic Radiation from Thunderstorms	Prof.	Nikolai	Ostgaard	Fri	1-Sep	10h30	1.61
<b>JM3 M02 M03</b>	684	Upward connecting leader behavior during lightning attachment process	Dr.	Marcelo	Saba	Fri	1-Sep	10h45	1.61
<b>JM3 M02 M03</b>	934	Variability in lightning NOx production rates due to regional U.S. differences in lightning type and polarity	Dr.	Jeff	Lapierre	Fri	1-Sep	11h00	1.61
<b>JM3 M02 M03</b>	659	On the validity of the global Earth-ionosphere spherical capacitor concept	Prof.	Christos	Haldoupis	Fri	1-Sep	11h15	1.61

<b>M12</b>	<b>Session Chair</b>		Dr.	Elisa	Manzini	Fri	1-Sep	10h30	1.62
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<b>M12</b>	921	Variability of Downward Wave Coupling under Natural and Climate Change Conditions	Prof.	Katja	Matthes	Fri	1-Sep	10h30	1.62
<b>M12</b>	1357	Rossby wave breaking in the Southern Hemisphere dynamical tropopause: Variability, ozone depletion impact and links to cut off low pressure systems	Dr.	Thando	Ndarana	Fri	1-Sep	11h00	1.62
<b>M12</b>	871	The CCMI ozone forcing database in support of CMIP6 (1850-2100)	Dr.	Michaela	Hegglin	Fri	1-Sep	11h15	1.62
<b>M12</b>	732	SANOMA- applications of an empirical model of nitric oxide in the upper mesosphere and lower thermosphere	Mr.	Joonas	Kiviranta	Fri	1-Sep	11h30	1.62

<b>A19</b>	<b>Session Chair</b>			Dr.	Steven	Petrinec	Fri	1-Sep	10h30	1.63
<b>A20</b>										
<b>A22</b>										

<b>A19</b>	834	Reconnection through current sheets in dependence on the ambient magnetic field conditions	Prof.	Joerg	Buechner	Fri	1-Sep	10h30	1.63	
<b>A20</b>	730	Observational characteristics of the near-Earth plasma sheet boundary layer	Dr.	Rumi	Nakamura	Fri	1-Sep	10h45	1.63	
<b>A22</b>	466	Comparative boundary layers of solar system magnetospheres	Dr.	Daniel	Gershman	Fri	1-Sep	11h15	1.63	
<b>A19</b>	Discussion						Fri	1-Sep	11h30	1.63
<b>A20</b>										

<b>A35</b>	<b>Session Chair</b>			Ms.	Ellen	Clarke	Fri	1-Sep	10h30	1.64
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<b>A35</b>	1265	Space physics and space weather quantification from geomagnetic observations at ground and in space	Dr.	Claudia	Stolle	Fri	1-Sep	10h30	1.64
<b>A35</b>	1227	Reconstructions of solar and solar wind activity for past centuries	Dr.	Leif	Svalgaard	Fri	1-Sep	11h00	1.64
<b>A35</b>	897	Verification study of geomagnetic K-index forecasts	Dr.	Yuki	Kubo	Fri	1-Sep	11h15	1.64
<b>A35</b>	512	A new proxy for the geomagnetic signal of magnetospheric currents on Earth derived from observatory data	Ms.	Leonie	Pick	Fri	1-Sep	11h30	1.64
<b>A35</b>	1138	Recent Updates on the developing of the K <sub>sa</sub> magnetic index for South America based on the Embrace Magnetometer Network	Dr.	Clezio Marcos	De Nardin	Fri	1-Sep	11h45	1.64

<b>JA4</b>	<b>Session Chair</b>		Dr.	Hua	Lu	Fri	1-Sep	10h30	2.41 - 2.43
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<b>JA4</b>	754	Interannual variability on winds and tides from MLT winds at low latitude in the Southern Hemisphere	Mr.	Lourivaldo	Lima	Fri	1-Sep	10h30	2.41 - 2.43
<b>JA4</b>	1225	Seasonal and solar cycle variability of the 6.5 day wave in the mesosphere and lower thermosphere over low latitudes	Mr.	Sundaraman	Satishkumar	Fri	1-Sep	11h00	2.41 - 2.43
<b>JA4</b>	257	Quarterdiurnal tide in the mesosphere/lower thermosphere	Mr.	Christoph	Jacobi	Fri	1-Sep	11h15	2.41 - 2.43

<b>A11</b>	<b>Session Chair</b>		Dr.	Clezio Marcos	De Nardin	Fri	1-Sep	10h30	2.44 - 2.46
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<b>A11</b>	468	Influence of ambient conditions on the development of scintillation-producing irregularities in equatorial plasma bubbles	Dr.	Archana	Bhattachryya	Fri	1-Sep	10h30	2.44 - 2.46
<b>A11</b>	295	VHF radar observations of F region irregularities over low latitude Sanya	Dr.	Baiqi	Ning	Fri	1-Sep	11h00	2.44 - 2.46
<b>A11</b>	891	Study of dynamics of low-mid latitude E-region irregularities during magnetically quiet and disturbed days	Mr.	Virendra	Yadav	Fri	1-Sep	11h15	2.44 - 2.46

<b>P04</b>	<b>Session Chair</b>		Dr.	Eugene	Morozov	Fri	1-Sep	10h30	2.61 - 2.63
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<b>P04</b>	300	AMOC Simulating the great unknown	Prof.	Arne	Biastoch	Fri	1-Sep	10h30	2.61 - 2.63
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<b>P04</b>	605	Sources for the upper limb of the AMOC cold and warm water routes revisited in an eddy-resolving ocean model	Miss.	Siren	Ruhs	Fri	1-Sep	11h00	2.61 - 2.63
<b>P04</b>	408	Mechanisms underlying recent decadal changes in subpolar North Atlantic Ocean heat content	Dr.	Rui	Ponte	Fri	1-Sep	11h15	2.61 - 2.63
<b>P04</b>	615	Potential for deep convection in the Arctic Basin under a warming climate and contribution to the AMOC	Dr.	Camille	Lique	Fri	1-Sep	11h30	2.61 - 2.63
<b>P04</b>	220	Composition and variability of the Denmark Strait Overflow Water in a high-resolution numerical model hindcast simulation	Dr.	Erik	Behrens	Fri	1-Sep	11h45	2.61 - 2.63

<b>P02</b>	<b>Session Chair</b>		Prof.	Ruben	Kosyan	Fri	1-Sep	10h30	2.64 - 2.66
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<b>P02</b>	1191	Age of Gulf of Mexico deep water as determined by 14C measurements	Dr.	Piers	Chapman	Fri	1-Sep	10h30	2.64 - 2.66
<b>P02</b>	1110	Responses of marine environment in the East China Sea to the East Asian monsoon climatic jump	Prof.	Rongshuo	Cai	Fri	1-Sep	10h45	2.64 - 2.66
<b>P02</b>	1231	Material Transport and Interaction between the East China Sea and the Northwestern Pacific: Joint regional GEOTRACES study in East Asia	Prof.	Jing	Zhang	Fri	1-Sep	11h00	2.64 - 2.66
<b>P02</b>	1186	Natural Iron Fertilization of the Patagonian Shelf and Seasonality of the Planktonic Blooms	Prof.	Yvette	Spitz	Fri	1-Sep	11h15	2.64 - 2.66
<b>P02</b>	1337	A benthic-pelagic nitrogen budget for the continental margin of the Peruvian oxygen minimum zone	Dr.	Marcus	Dengler	Fri	1-Sep	11h30	2.64 - 2.66

<b>M01</b>	<b>Session Chair</b>		Mr.	John	Burrows	Fri	1-Sep	10h30	Roof Terrace
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<b>M01</b>	1509	Mortality and burden of disease from outdoor air pollution on a global scale	Prof.	Jos	Lelieveld	Fri	1-Sep	10h30	Roof Terrace
<b>M01</b>	825	Sensitivity study of synergetic retrieval of tropospheric ozone profile using ultraviolet, infrared and microwave measurements from space	Dr.	Tomohiro	Sato	Fri	1-Sep	11h00	Roof Terrace
<b>M01</b>	819	OSIRIS: Ozone, stratospheric aerosol and nitrogen dioxide profiles since the autumn of 2001	Prof.	Doug	Degenstein	Fri	1-Sep	11h15	Roof Terrace
<b>M01</b>	1140	Trace atmospheric gases, retrieved from the measurements of GOME, SCIAMACHY and GOME-2	Prof.	John P.	Burrows	Fri	1-Sep	11h30	Roof Terrace

**Session 3**  
**13h30 - 15h00**

<b>A17</b>	<b>Session Chair</b>		Dr.	David	Knudsen	Fri	1-Sep	13h30	1.41
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<b>A17</b>	1259	Energetic particle precipitation associated to pulsating aurorae observed by ground-based radio methods (EISCAT radar and KAIRA riometer)	Dr.	Antti	Kero	Fri	1-Sep	13h30	1.41
<b>A17</b>	634	Auroral Beads at Substorm Onset and their Acceleration Mechanism	Dr.	Nadine	Kalmoni	Fri	1-Sep	14h00	1.41
<b>A17</b>	1051	Electron signatures associated with kinetic ballooning instability	Dr.	Jay	Johnson	Fri	1-Sep	14h30	1.41
<b>A17</b>	538	Statistical Comparisons of Auroral Electron Acceleration Mechanisms and Meso-Scale Field-Aligned Currents from FAST Observations	Dr.	John	Dombeck	Fri	1-Sep	14h45	1.41

<b>A27</b>	<b>Session Chair</b>			Dr.	Michael	Wheatland	Fri	1-Sep	13h30	1.42
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<b>A27</b>	962	Overview of modern chromospheric magnetic field measurements.	Prof.	Alexei	Pevtsov	Fri	1-Sep	13h30	1.42
<b>A27</b>	305	Probing coronal magnetic field at the TR level using microwave gyroresonant techniques	Dr.	Sergey	Anfinogentov	Fri	1-Sep	14h00	1.42
<b>A27</b>	770	Coronal Magnetic Field Reconstruction with Magnetic Field Constraints above the Photosphere	Dr.	Ivan	Myshyakov	Fri	1-Sep	14h30	1.42
<b>A27</b>	General Discussion					Fri	1-Sep	14h45	1.42

<b>A37</b> <b>A38</b> <b>A39</b>	<b>Session Chair</b>			Dr. Dr.	Patrick Gary	Alken Egbert	Fri	1-Sep	13h30	1.43
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<b>A37</b> <b>A38</b> <b>A39</b>	367	Studying mantle structure with magnetospheric and tidal satellite magnetic signals: recent advances and challenges	Dr.	Alexander	Grayver	Fri	1-Sep	13h30	1.43
<b>A37</b> <b>A38</b> <b>A39</b>	540	Modeling the high latitude field aligned currents using coupled ionosphere magnetosphere models	Dr.	Michael	Wiltberger	Fri	1-Sep	14h00	1.43
<b>A37</b> <b>A38</b> <b>A39</b>	1151	Towards Improved Modeling of Ionospheric Sources for EM Induction Studies	Dr.	Gary	Egbert	Fri	1-Sep	14h30	1.43
<b>A37</b> <b>A38</b> <b>A39</b>	1498	A new approach for separation of inducing and induced magnetic fields of magnetospheric origin	Prof.	Alexey	Kuvshinov	Fri	1-Sep	14h45	1.43

<b>M08</b>	<b>Session Chair</b>			Dr.	Tim	Woollings	Fri	1-Sep	13h30	1.44
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<b>M08</b>	1236	Dynamics of Rossby Waves and Heat Waves in the Australian Region	Prof.	Michael	Reeder	Fri	1-Sep	13h30	1.44
<b>M08</b>	685	Sources of forecast error in the short-term prediction of drought in the United Kingdom	Dr.	Tess	Parker	Fri	1-Sep	14h00	1.44
<b>M08</b>	775	Finite amplitude wave activity versus enstrophy: Budget equations for error growth in a barotropic model framework	Prof.	Volkmar	Wirth	Fri	1-Sep	14h15	1.44

<b>A25</b>	<b>Session Chair</b>		Dr.	Daniel	Gershman	Fri	1-Sep	13h30	1.62
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<b>A25</b>	1169	The effects of guide field on crescent electron distribution functions in asymmetric magnetic reconnection	Dr.	Naoki	Bessho	Fri	1-Sep	13h30	1.62
<b>A25</b>	1171	MMS Observations of Large Guide Field Magnetic Reconnection	Dr.	Stefan	Eriksson	Fri	1-Sep	14h00	1.62
<b>A25</b>	1493	Energetic particle enhancements and VLF waves in the vicinity of dayside reconnection	Dr.	Allison	Jaynes	Fri	1-Sep	14h30	1.62
<b>A25</b>	143	Distinctive features of internally driven magnetotail reconnection	Dr.	Mikhail	Sitnov	Fri	1-Sep	15h00	1.62

<b>A19</b>	<b>Session Chair</b>			Dr.	Steven	Petrinec	Fri	1-Sep	13h30	1.63
<b>A20</b>										
<b>A22</b>										

<b>A19</b>	199	A Modeling substorm Dynamics of the Magnetosphere Using Self-Organized Criticality Approach	Dr.	Mauricio	Bolzan	Fri	1-Sep	13h30	1.63
<b>A20</b>	1331	Variations in global field-aligned currents before and after substorm onset	Dr.	Colin	Forsyth	Fri	1-Sep	13h45	1.63
<b>A22</b>									
<b>A19</b>	635	Auroral Observations of the Substorm Onset Instability	Dr.	Nadine	Kalmoni	Fri	1-Sep	14h00	1.63
<b>A20</b>	726	Magnetic Reconnection at Mercury's Magnetopause	Dr.	Gina	Di Braccio	Fri	1-Sep	14h15	1.63
<b>A22</b>									
<b>A19</b>	800	Highlights from the Cassini magnetometer instrument at Saturn	Prof.	Michele	Dougherty	Fri	1-Sep	14h30	1.63
<b>A20</b>	1048	Universal Process Involving Wave-Particle Interactions	Prof.	Richard	Thorne	Fri	1-Sep	14h45	1.63
<b>A22</b>									

<b>JA4</b>	<b>Session Chair</b>			Prof.	Katja	Matthes	Fri	1-Sep	13h30	2.41 - 2.43
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<b>JA4</b>	578	Contribution of relativistic electron precipitation to ionization of atmosphere and ozone changes	Ms.	Irina	Mironova	Fri	1-Sep	13h30	2.41 - 2.43
<b>JA4</b>	1475	The representation of solar cycle signals in stratospheric ozone in satellite observations and global models	Ms.	Amanda	Maycock	Fri	1-Sep	14h00	2.41 - 2.43
<b>JA4</b>	229	Downward Wave Reflection as a Mechanism for the Stratosphere-Troposphere Response to the 11-year Solar Cycle	Ms.	Hua	Lu	Fri	1-Sep	14h30	2.41 - 2.43
<b>JA4</b>	489	Has past solar activity led to the destruction of ancient civilizations?	Mr.	Jean	Rozelot	Fri	1-Sep	14h45	2.41 - 2.43

<b>A11</b>	<b>Session Chair</b>			Dr.	John	Habarulem	Fri	1-Sep	13h30	2.44 - 2.46
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<b>A11</b>	1208	Ionospheric response to 17 March 2013 geomagnetic storm identified by data assimilation result	Prof.	Xinan	Yue	Fri	1-Sep	13h30	2.44 - 2.46
<b>A11</b>	84	Electrodynamic disturbances in the Brazilian equatorial and low-latitude ionosphere on St. Patrick's Day storm of 17 March 2015	Dr.	Venkatesh	Kavutarapu	Fri	1-Sep	14h00	2.44 - 2.46
<b>A11</b>	187	Analysis of ionospheric features in middle and low latitude region of China during the geomagnetic storm in March 2015	Mr.	Sun	Wenjie	Fri	1-Sep	14h15	2.44 - 2.46
<b>A11</b>	97	Comparative study on the ionospheric response to minor and major sudden stratospheric events in the Brazilian Equatorial and low latitudes	Dr.	Paulo Roberto	Fagundes	Fri	1-Sep	14h30	2.44 - 2.46
<b>A11</b>	1032	The Limb Imaging Ionospheric and Thermospheric EUV Spectrograph (LITES): Early Results	Prof.	Supriya	Chakrabarti	Fri	1-Sep	14h45	2.44 - 2.46

<b>P04</b>	<b>Session Chair</b>			Dr.	Gerard	McCarthy	Fri	1-Sep	13h30	2.61 - 2.63
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<b>P04</b>	1027	Fast ocean overturning response to non-local wind forcing	Dr.	Eleanor	Frajka-Williams	Fri	1-Sep	13h30	2.61 - 2.63
<b>P04</b>	877	Subtropical-tropical pathways in the South Atlantic Ocean	Dr.	Anna	Cabre	Fri	1-Sep	13h45	2.61 - 2.63
<b>P04</b>	65	Bottom water flows in the fractures of the Northern Mid-Atlantic Ridge	Dr.	Eugene	Morozov	Fri	1-Sep	14h00	2.61 - 2.63
<b>P04</b>	478	The role of eddy resolving ocean resolution in simulating the AMOC	Dr.	Malcolm	Roberts	Fri	1-Sep	14h15	2.61 - 2.63
<b>P04</b>	1400	Adjustment of the upper and lower meridional overturning cells to high-latitude buoyancy forcing anomalies	Miss.	Laura	Cimoli	Fri	1-Sep	14h30	2.61 - 2.63
<b>P04</b>	384	On the structure and variability of the Meridional Overturning Circulation in the subtropical North Atlantic	Dr.	Claudia	Schmid	Fri	1-Sep	14h45	2.61 - 2.63

<b>JA3</b>	<b>Session Chair</b>			Ms.	Andrea	Donnellan	Fri	1-Sep	13h30	2.64 - 2.66
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<b>JA3</b>	165	A stochastic re-analysis of transient motions within the Earth's core	Dr	Nicolas	Gillet	Fri	1-Sep	13h30	2.64 - 2.66
<b>JA3</b>	958	Insights into millennial-scale core dynamics through archeomagnetic data assimilation	Dr	Sabrina	Sanchez	Fri	1-Sep	14h30	2.64 - 2.66
<b>JA3</b>	129	Role of sensitive physical parameter combinations in reducing simulation and forecast errors of sensible heat flux and latent heat flux in China	Dr.	Guodong	Sun	Fri	1-Sep	14h45	2.64 - 2.66
<b>JA3</b>	1026	Use of Satellite Magnetic Field Observations in Data Assimilation Studies of Core Dynamics	Dr.	Chris	Finlay	Fri	1-Sep	15h00	2.64 - 2.66

<b>M01</b>	<b>Session Chair</b>			Dr.	James	Drummond	Fri	1-Sep	13h30	Roof Terrace
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<b>M01</b>	1315	Long-Term, Episodic and Quasi-periodic Carbon Monoxide Pollution Events from the MOPITT Dataset	Prof.	James	Drummond	Fri	1-Sep	13h30	Roof Terrace
<b>M01</b>	697	Spectral snow albedo measurements at a high Alpine experimental site in Davos Switzerland	Dr.	Luca	Egli	Fri	1-Sep	14h00	Roof Terrace
<b>M01</b>	1097	Atmospheric deposition of Sulphur and Nitrogen over the Eastern portion of South Africa	Mr.	Mpho	Mompati	Fri	1-Sep	14h15	Roof Terrace
<b>M01</b>	1408	Phytotoxic assessment of sulfur dioxide and ozone on four major crops in Mpumalanga, South Africa	Dr.	Rebecca	Garland	Fri	1-Sep	14h30	Roof Terrace

**Session 4**  
**15h30 - 17h00**

A17	<b>Session Chair</b>			Dr.	Colin	Forsyth	Fri	1-Sep	15h30	1.41
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A17	1042	Optical observations of inter-hemispheric electron reflections within pulsating aurora	Dr.	Marilia	Samara	Fri	1-Sep	15h30	1.41
A17	763	The Isinglass auroral sounding rocket campaign: combining remote sensing, in situ observations, and modelling	Prof.	Kristina	Lynch	Fri	1-Sep	16h00	1.41
A17	213	Kinetic Alfvén Waves and the Acceleration of Auroral Particles	Prof.	Robert	Lysak	Fri	1-Sep	16h30	1.41
A17	990	Shock-Aurora Forms along the Dayside Auroral Oval	Dr.	Xiaoyan	Zhou	Fri	1-Sep	16h45	1.41

A37 A38 A39	<b>Session Chair</b>			Dr. Dr.	Patrick Gary	Alken Egbert	Fri	1-Sep	15h30	1.43
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A37 A38 A39	645	Characterizing external influences on the large-scale polar ionospheric current system	Dr.	Karl	Laundal	Fri	1-Sep	15h30	1.43
A37 A38 A39	1060	Approximate source field characterization for global 3-D electromagnetic induction inversion	Dr.	Pascal	Tarits	Fri	1-Sep	16h00	1.43
A37 A38	930	Earth's mantle electrical conductivity and temperature profiles	Prof.	Erwan	Thebault	Fri	1-Sep	16h30	1.43

<b>M08</b>	<b>Session Chair</b>		Prof.	Michael	Reeder	Fri	1-Sep	15h30	1.44
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<b>M08</b>	829	Global view of polar cold air outbreaks in isentropic analysis	Prof.	Toshiki	Iwasaki	Fri	1-Sep	15h30	1.44
<b>M08</b>	978	Polar-tropical coupling in the winter stratosphere	Dr.	Richard	Scott	Fri	1-Sep	15h45	1.44
<b>M08</b>	1256	Equatorial superrotation at Earth's surface	Prof.	Rodrigo	Caballero	Fri	1-Sep	16h00	1.44
<b>M08</b>	72	Helicity in Atmospheric Dynamics	Dr.	Michael	Kurgansky	Fri	1-Sep	16h15	1.44
<b>M08</b>	175	Semibalance Model in Terrain-Following Coordinates	Dr.	Jie	Cao	Fri	1-Sep	16h30	1.44
<b>M08</b>	1416	The weak temperature gradient approximation in midlatitudes	Prof.	George	Craig	Fri	1-Sep	16h45	1.44

<b>JA4</b>	<b>Session Chair</b>		Prof.	Christoph	Jacobi	Fri	1-Sep	15h30	2.41 - 2.43
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<b>JA4</b>	895	Solar influence on North Atlantic variability	Mr.	Rémi	Thiéblemont	Fri	1-Sep	15h30	2.41 - 2.43
<b>JA4</b>	74	Climate and ozone layer response to solar irradiance and energetic particle precipitation variability	Mr.	Eugene	Rozanov	Fri	1-Sep	16h00	2.41 - 2.43
<b>JA4</b>	1261	Modeling and Predicting of Solar Forcing of Total Column Ozone over Kenya Using Regression and Artificial Neural Networks	Ms.	Carolyne	Songa	Fri	1-Sep	16h30	2.41 - 2.43
<b>JA4</b>	1263	Statistical Study of Solar Forcing of Total Column Ozone Variation Over Three Cities in Kenya	Ms.	Carolyne	Songa	Fri	1-Sep	16h45	2.41 - 2.43

<b>A11</b>	<b>Session Chair</b>			Dr.	Paulo Roberto	Fagundes	Fri	1-Sep	15h30	2.44 - 2.46
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<b>A11</b>	1136	On the Dependence of the Ionospheric E-Region Electric Field of the Solar Activity	Dr.	Clezio Marcos	De Nardin	Fri	1-Sep	15h30	2.44 - 2.46
<b>A11</b>	1002	New aspects of low-latitude ionospheric F region response to geomagnetic storms	Dr.	Maxim	Klimenko	Fri	1-Sep	16h00	2.44 - 2.46
<b>A11</b>	1506	Ionospheric Response Following the Mw 7.8 Gorkha Earthquake On 25 April 2015	Prof.	Biqiang	Zhao	Fri	1-Sep	16h15	2.44 - 2.46

<b>JA3</b>	<b>Session Chair</b>			Dr.	Craig	Bishop	Fri	1-Sep	15h30	2.64 - 2.66
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<b>JA3</b>	1526	Measuring surface deformation from UAVSAR and GPS to Improve Estimates of Future Earthquake Potential	Dr.	Andrea	Donnellan	Fri	1-Sep	15h30	2.64 - 2.66
<b>JA3</b>	1328	Towards understanding the impact of assimilating along-track SLA data on simulated eddy characteristics in the Agulhas System	Mr.	Marc	de Vos	Fri	1-Sep	16h15	2.64 - 2.66
<b>JA3</b>	971	Estimating and applying convective scale covariance structures	Dr.	Jan	Keller	Fri	1-Sep	16h30	2.64 - 2.66
<b>JA3</b>	776	Catalyzing Innovation in Weather Science: the World Weather Research Programme	Dr.	Julia	Keller	Fri	1-Sep	16h45	2.64 - 2.66
<b>JA3</b>	559	Target observations for two types of El Nino events prediction and its role in reducing spring predictability barrier influences	Prof.	Wansuo	Duan	Fri	1-Sep	17h00	2.64 - 2.66