

# Mini Symposium MS6

## Atmosphere and ocean dynamics

Chair: J. Sommeria (France)

Co-Chair(s): M.E.McIntyre (UK)

### Introductory Lectures

Paper ID	Title	Authors
MS6I_10716	Wave Vortex Interactions in the Atmosphere and Oceans; with Applications to Climate	Onno Bokhove
MS6I_10803	Assimilation of Observations into Numerical Models	Olivier Talagrand
MS6I_10987	Transport And Mixing in the Atmosphere	Peter Haynes

### Contributed Papers

Paper ID	Title	Authors
MS6L_10261	Modelling Oceanographic Coastal Currents in Small-scale and Large-scale Laboratory Experiments	Peter J. Thomas, Paul F. Linden, David Marah
MS6L_10513	Near-surface Turbulence in a Neutral Planetary Boundary Layer: Comparison of LES with the CASES'99 Experiment Observations	Pierre Carlotti, Philippe Drobinski, Jean-Luc Redelsperger, Rob K. Newsom, Robert M. Banta
MS6L_10634	Meridional Flow of Source Driven Grounded Abyssal Flow in a Wind Driven Basin with Topography	Gordon E. Swaters
MS6L_10977	Remote Recoil and Wave Capture: Wave--vortex Interactions in Atmosphere-Ocean Models	Oliver Buehler, Michael McIntyre
MS6L_11152	Anisotropic Large - Scale Turbulence on Giant Planets and in the Ocean	B. Galperin, S. Sukoriansky, H. Nakano
MS6S_11336	Strong Vortex Insteractions in Quasi-Geostrophic Flows	Jean N. Reinaud, David G. Dritschel, Ross R. Bambrey
MS6L_11499	Turbulent Horizontal Convection and the Global Thermohaline Circulation of the Oceans	Ross Griffiths, Graham Hughes, Julia Mullarney
MS6L_11547	Instability of Gravity Driven Coastal Current in a Turntable Experiment	Thivolle-Cazat, Sommeria J.

MS6L_11585	Intrusive Gravity Currents in a Stratified Ambient - novel Theoretical Results and Insights	Marius Ungarish
MS6S_11732	Irreversible Transition to a State with Higher Entropy Production in Oceanic General Circulation	Shinya Shimokawa, Hisashi Ozawa
MS6L_11829	Interactions of Planar Waves with a Baroclinic Vortex	Moulin Frederic, Flor Jan-Bert
MS6S_11942	A New Spectral Closure Model of Turbulent Flows with Stable Stratification and Its Application to Atmospheric SBLs	Semion Sukoriansky, Boris Galperin, Veniamin Perov
MS6S_12035	Roll Vortices in the Atmospheric Boundary Layer	Dieter Etling, Micha Gryschka
MS6L_12104	Spontaneous Generation of Inertia-gravity Waves by Balanced Motion	Jacques Vanneste
MS6S_12140	The Energy Cycle of the Tropical Madden-Julian Oscillations seen through Wavelets	Jun-Ichi Yano
MS6L_12157	Wave Capture and Wave-vortex Duality	Oliver Buhler, Michael E McIntyre
MS6S_12169	A New Theory For Convection In Rapidly Rotating Spherical Systems	Keke Zhang, Xinhao Liao
MS6S_12194	Vortex-based Models of Quasigeostrophic Turbulence	Takeshi Miyazaki, Qin Wei, Yingtai Li
MS6L_12210	Generation of Internal Waves in the Deep Ocean by Barotropic Tides	Jonas Nycander
MS6L_12294	Instability of Corotating Vertical Vortices in a Stratified Fluid : Why Strongly Stratified Turbulence is not Similar to 2D Turbulence	Pantxika Otheguy, Paul Billant, Jean-Marc Chomaz
MS6S_12408	Laboratory and Numerical Modelling of Exchange Flows	Kanarska Yuliya, Maderich Vladimir
MS6S_12463	Wave---mean Flow Interaction in Coupled Atmosphere---ice---ocean Systems	Alastair D. Jenkins
MS6L_12494	Multiple Jet Formation in a Convectively Driven Flow on a Beta - plane	Peter L. Read, Yasuhiro H. Yamazaki, Stephen R. Lewis, Paul D. Williams, Joel Sommeria,

MS6S\_12601 Intermittency in Stratified Turbulence Produced by Breaking Internal Gravity Waves Pascale Bouruet-Aubertot, Joel Sommeria, Christophe Koudella

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MS6S\_12722 Measurements of the Influence of Ocean Surface Kinematics on Air-sea Heat Fluxes Farbice Veron, W. Ken Melville

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MS6S\_12776 Linear Waves and Baroclinic Instability in an Inhomogeneous-density Layered Primitive-equation Ocean Model Francisco J. Beron-Vera, M. J. Olascoaga, J. Zavala-Garay

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MS6S\_13017 Simulation of Sea Surface Temperature Trends Under Severe Wind Forcing With a Full Atmosphere-Ocean Coupled Model Arnaldo Longhetto, Roberto Purini, Claudio Cassardo, Nicola Loglisci, Silvia Ferrarese, Renzo Richiardone

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