

## Table of Contents

### **1. Atmospheric data assimilation schemes, analysis and initialization, data impact studies, observing system experiments**

<b>Author</b>	<b>Paper Title</b>	<b>Country</b>	<b>Pages</b>
M.K. Biswas, T.N. Krishnamurti	Use of CAMEX Data Sets in an Adaptive Observational Strategy for Hurricane Forecasts	USA	01-01
A. Cress, K. Köpken, H.W. Bitzer	Use of QuikSCAT Wind Observations in the Assimilation and Forecasting System of DWD	Germany	01-03
R. Danielson, M. Dowd, H. Ritchie	Marine Wind Retrieval in Non-Precipitating Regions using Synthetic Aperture Radar	Canada	01-05
G. Desroziers, L. Berre, B. Chapnik, P. Poli	Diagnosis of Error Statistics in Observation Space	France	01-07
R. Hess, C. Gebhardt	Operational Use of Satellite Radiances at Deutscher Wetterdienst	Germany	01-09
Y. Ishikawa, K. Koizumi	Doppler Radar Wind Data Assimilation with the JMA Meso 4D-VAR	Japan	01-11
T. Kawabata, H. Seko, T. Kuroda, K. Tamiya, K. Saito, T. Tsuyuki	Assimilation Experiment of the Nerima Heavy Rainfall with a Cloud Resolving Nonhydrostatic 4 Dimensional Variational Data Assimilation System	Japan	01-13
S. Klink, K. Stephan, C. Schraff	Assimilation of Radar Data in the Mesoscale NWP-Model of DWD	Germany	01-15
M. Kunii	Influence of Typhoon Bogus Parameters on the Typhoon Forecasts	Japan	01-17
T. Miyoshi, S. Yamane	Local Ensemble Transform Kalman Filtering with an AGCM at a T159/L48 Resolution	Japan	01-19
P. Mukhopadhyay, H.A.K. Singh	High Resolution Model Simulation of a Nor'wester over Kolkata, India	India	01-21
A. Narui	Changing the Resolution of the Inner Loop of Global 4D-Var at JMA	Japan	01-23
H. Owada	A New Thinning Scheme Based on One-Hour Time Slots in 4D-Var for ATOVS Assimilation	Japan	01-25
E. Ozawa, Y. Sato, H. Tada, Y. Aoyama	Assimilation of Space Based GPS Occultation Data for JMA GSM	Japan	01-27
M. Pasqui, R.L. Walko, S. Migliorini, A. Antonini, S. Melani, G. Messeri	Data Assimilation Scheme of Satellite Derived Heating Rates for Soil state Initialization in a Regional Atmospheric Mesoscale Model: Methodology	Italy	01-29
M. Pasqui, C.J. Tremback, F. Meneguzzo, G. Giuliani, B. Gozzini	A Soil Moisture Initialization Method, Based on Antecedent Precipitation Approach, for Regional Atmospheric Modeling System: A Sensitivity Study on Precipitation and Temperature	Italy	01-31

## Table of Contents

Author	Paper Title	Country	Pages
H. Seko, J.-I. Furumoto, M. Sasaoka, K. Saito, T. Tsuyuki	Data Assimilation Experiments of Vertical Gradient of Refractivity Observed by Wind Profiler Network	Japan	01-33
H. Seko, Y. Shoji, M. Kunii, K. Saito, Y. Aoyama	Data Assimilation Experiments using CHAMP Refractivity Data	Japan	01-35
H. Shao, X. Zou	Assimilation of GPS Radio Occultation Observations	USA	01-37
M. Tsyrulnikov, P. Svirentko, R. Zaripov	Development of a 3-D Spatial ARMA-Filters Based Analysis Scheme	Russia	01-39

## 2. Data sets, diagnostic and dynamical investigations, statistical post-processing , multi-year reanalyses and associated studies

Author	Paper Title	Country	Pages
Y.V. Alferov	Reconstruction of Short-Term Precipitation Totals with Allowance for Weather Phenomena Data	Russia	02-01
X. Bai, S. Cocke, T.E. LaRow, J.J. O'Brien, D.W. Shin	Paradox of SST and Lower Tropospheric Temperature Trends over the Tropical Pacific Ocean	USA	02-03
V. Barras, I. Simmonds, D. Etheridge, D. Noone	Evaluation of Isotopic Variability in an NCAR-CAM3 Reanalysis	Australia	02-05
D. Brown, D. Noone	Variations in the Relative Humidity Budget from the NCAR/NCEP Reanalysis from 1979-2004	USA	02-07
A.V. Chernokulsky, I.I. Mokhov	Global and Regional Cloudiness Changes by Satellite Data: Relationship with Temperature and El Nino Effects	Russia	02-09
I.V. Chernykh	Some Features of Temperature-Humidity Layering of Troposphere for Different Cloudy Conditions	Russia	02-11
K.E. Dayem, D.C. Noone, P. Molnar	Relationships between the Maritime Continent and the Walker Circulation	USA	02-13
P. Earnshaw, M. Mittermaier, C. Wilson	WGNE Assessment of Quantitative Precipitation Forecasts from Operational Numerical Weather Prediction Models over the U.K.	UK	02-15
P.J. Hughes, M.A. Bourassa, J. Rolph, S.R. Smith	Interdecadal Variability of Surface Heat Fluxes Over the Atlantic Ocean	USA	02-17
A.A. Karpenko	Intercomparision of Deuterium Series from the Antarctic Stations Vostok and Dome C Ice Cores	Russia	02-19
E.-P. Lim, I. Simmonds	Trends in 500 hPa Cyclone Characteristics and Baroclinicity in the Southern Hemisphere Winter 1979-2004	Australia	02-21
M. Mittermaier	Assessment of Precipitation Forecasts from Operational NWP Models over the UK	UK	02-23

## Table of Contents

Author	Paper Title	Country	Pages
I.I. Mokhov	Action as an Integral Characteristic for Climatic Structures: Estimates for Atmospheric Blockings	Russia	02-25
I.I. Mokhov	Polar Lows as a Cyclogeostrophic Vortices	Russia	02-27
I.I. Mokhov, A.A. Karpenko	Relationship between Temperature Changes Near Surface in the Arctic and in Different Regions of the Northern Hemisphere from Reanalyses Data	Russia	02-29
I.I. Mokhov, A.V. Chernokulsky	Potential Fire Regimes in Regions of Northern Eurasia from Meteorological Observations and Reanalysis	Russia	02-31
G.V. Mostovoy, K.R. Reddy, R.L. King	Generating Regional High-Resolution Air Temperature Fields using MODIS LST Data	USA	02-33
H. Newstead, I. Simmonds	Frontal Identification in Digital Analyses	Australia	02-35
D. Noone	Isotopic Composition of Water Vapor Modeled by Constraining Global Climate Simulations with Reanalyses	USA	02-37
A.B. Pezza, I. Simmonds	Influences of the Pacific Decadal Oscillation on the Southern Hemisphere Extratropical Climate	Australia	02-39
C. Rosu, P. Zwack, R. Laprise	The Relationship between Cyclone Characteristics and Annual Hydrological Resources over Québec	Canada	02-41
I. Tsonevsky, V. Spiridonov	Multilayered Perceptrons for Precipitation Prediction in Bulgaria Based on NWP Models	Bulgaria	02-43
M. Ueno	Observed and Simulated Relationship between Storm Motion, Vertical Wind Shear, and Rainfall Asymmetries in Typhoons	Japan	02-45
B.H. Vaid, C. Gnanaseelan, P.S. Polito, P.S. Salvekar	Role of Biennial Rossby Waves in the Indian Ocean Dipole Formation	India	02-47

### 3. Computational studies including new techniques, the effect of varying model resolution, parallel processing

Author	Paper Title	Country	Pages
E.D. Astakhova, Y.V. Alferov	Parallel Version of the Spectral Model of the Hydrometcenter of Russia	Russia	03-01
F. Baer, H. Wang, J.J. Tribbia, A. Fournier	Climate Modeling with Spectral Elements	USA	03-03
M. Fox-Rabinovitz, J. Côté, B. Dugas, M. Déqué, J.L. McGregor	Regional Modeling with Variable-Resolution GCMs: Stretched-Grid Model Intercomparison Project (SGMIP)	USA	03-05
M.S. Fox-Rabinovitz, V.M. Krasnopolksy, D.V. Chalikov, A. Belochitski	Decadal Climate Simulations with NCAR CAM using Accurate and Fast Neural Network Emulation of Full, Long- and Short Wave, Model Radiation	USA	03-07

## Table of Contents

Author	Paper Title	Country	Pages
M. Giorgetta, L. Kornblueh, E. Roeckner, H. Wan, T. Heinze, D. Majewski, P. Rípodas, L. Bonaventura	The ICON Dynamical Core Project: Modelling Strategies and Preliminary Results	Germany	03-09
I. Gospodinov	Analysis of the Generalized Vertical Coordinate for the Euler Equations of Atmospheric Motion	Bulgaria	03-11
Y. He, C.H.Q. Ding	MPH: a Library for Coupling Multi-Component Climate Models and its Applications	USA	03-13
V.M. Krasnopol'sky, M.S. Fox-Rabinovitz, A. Belochitski	Ensemble of Neural Network Emulations for Model Physics: The Impact on Climate Simulation	USA	03-15
V.P. Parkhomenko	Parallel Calculations of Dynamics and Physics Blocks in Atmospheric General Circulation Model	Russia	03-17
J.A. Pudykiewicz	Finite Volume Solution of the Shallow Water Equations on the Sphere	Canada	03-19
M. Zerroukat, N. Wood, A. Staniforth	A three-dimensional conservative semi-Lagrangian scheme (SLICE-3D) for transport problems	UK	03-25

## 4. Parameterization of important atmospheric and surface processes, effects of different parameterizations

Author	Paper Title	Country	Pages
M.A. Bourassa, P.J. Hughes	Computationally Fast and Accurate Surface Turbulent Fluxes	USA	04-01
F. Bouyssel, Y. Bouteloup, P. Marquet	A Prognostic Large Scale Cloud and Semi-Lagrangian Precipitation Scheme in ARPEGE and ALADIN Models	France	04-03
N. Buenning, D. Noone, W. Riley, Ch. Still, J. Randerson, L. Welp	The Response of the Terrestrial Biosphere and the Global Mean $\delta^{18}\text{O}$ Value of Atmospheric CO <sub>2</sub> to Humidity Changes	USA	04-05
B. Fay, L. Neunhäuserer, M. Raschendorfer	Towards Urbanisation of the Non-Hydrostatic Numerical Weather Prediction Model Lokalmodell (LM)	Germany	04-07
J. Fernández, J.P. Montávez, J. Saénz, J.F. González-Rouco, E. Zorita	Sensitivity of the Seasonal Cycle Simulated by a RCM to Physical Parameterizations	Germany	04-09
J.-F. Geleyn, F. Vana, J. Cedilnik, M. Tudor, B. Catry	An Intermediate Solution between Diagnostic Exchange Coefficients and Prognostic TKE Methods for Vertical Turbulent Transport	Czech Republic	04-11
L. Gerard, J.-M. Piriou, J.-F. Geleyn	Advances in the Integration of Deep Convection and Microphysics for the Meso-Scale	Belgium	04-13
H. Kawai	PDF Cloud Scheme and Prognostic Cloud Scheme in JMA Global Model	Japan	4-15

## Table of Contents

Author	Paper Title	Country	Pages
H. Kitagawa, S. Murai	A Revised Radiation Scheme for Cloud Treatments in the Japan Meteorological Agency Global Spectral Model	Japan	04-17
R. Nagasawa	Research on the Cloud Radiation Scheme of the JMA Non-Hydrostatic Model	Japan	04-19
S. Ohmori, Y. Yamada	Development of Cumulus Parameterization Scheme in the Nonhydrostatic Mesoscale Model at the Japan Meteorological Agency	Japan	04-21
T. Reinhardt, A. Seifert	Sensitivity to Graupel Particle Properties in LMK Simulations With a Three-Category Ice Scheme	Germany	04-23
B. Ritter	Sensitivity of near Surface Temperature Model Errors to the Introduction of a Prognostic Snow Density and a Revised Formulation of Snow Heat Conductivity	Germany	04-25
V. Shnayzman, G. Stenchikov	Effect of Turbulence on Atmospheric Chemistry for Non-Constant Reaction Rate	USA	04-27

## **5. Development of and studies with regional and smaller-scale atmospheric models, regional ensemble forecasting**

Author	Paper Title	Country	Pages
K. Aranami, T. Segawa	Verification of Mesoscale Forecasts by a High Resolution Non-Hydrostatic Model at JMA	Japan	05-01
M. Baldauf	A First Case Study of 3-Dimensional Turbulence with full Metrics in the Very Short Range Forecast Model LMK	Germany	05-03
M. Baldi, M. Pasqui, F. Cesarone, G. De Chiara	Heat Waves in the Mediterranean Region: Analysis and Model Results	Italy	05-05
J.G. Bellow, D.W. Shin, J. Schoof, J.W. Jones, J.J. O'Brien	Contribution of Temperature, Precipitation, and Solar Radiation from Dynamically Downscaled Global Climate Model to Predicting Peanut Yields in the SE USA	USA	05-07
L.V. Berkovich, Y.V. Tkacheva	Forecast of Strong Precipitation for Locations of the European Territory of Russia	Russia	05-09
F. Bouttier, G. Hello, Y. Seity, S. Malardel	Progress of the AROME Mesoscale NWP Project	France	05-11
E.P. Diaconescu, R. Laprise	The Impact of Lateral Boundary Data Errors on the Simulated Climate of a Nested Regional Climate Model	Canada	05-13

## Table of Contents

Author	Paper Title	Country	Pages
J. Du, J. McQueen, G. DiMego, D. Jovic, X. Wang, B. Zhou, H.-Y. Chuang, M. Pyle, G. Gayno, E. Rogers, T. Black, Z. Janjic, B. Ferrier, G. Manikin, Z. Toth, J. Dudhia	New Dimension of NCEP Short-Range Ensemble Forecasting (SREF) System: Inclusion of WRF Members	USA	05-15
B. Fay, L. Neunhäuserer, H. Glaab	High-Resolution and Urbanised LM Simulations Applied to Air Pollution Forecasts for Selected Air Pollution Episodes	Germany	05-17
J. Ferreira, A. Rocha, J. Castanheira, C. Marques, P. Melo-Gonçalves	Wind Forecast Model Intercomparison for Wind Energy	Portugal	05-19
Y. Goto, D.W. Shin, J.J. O'Brien	Sensitivity of Leaf Area Index in Florida to Temperature Simulation by FSURSM	USA	05-21
G. Greed	The Impact of Model Resolution on Hurricane Forecasts	USA	05-23
T. Kato	Budget Analysis of Absolute Vorticity, Simulated by a Nonhydrostatic Model, for the Maintenance Mechanisms of the Intensity of Typhoon SONGDA (T0418) under Traveling over the Sea of Japan	Japan	05-25
A. Kesarkar, M. Dalvi, A. Ojha, A. Venkatram, A. Cimorelli, A. Kaginalkar	Coupling of WRF and AERMOD for Air Quality Modeling over Pune city	India	05-27
A.P. Kesarkar, A. Kaginalkar	Prototype of Real Time Weather System at CDAC	India	05-29
T.N. Krishnamurti, D.V. Bhaskar Rao, S. Pattnaik	Physical Initialization for Mesoscale Weather Prediction	USA	05-31
Y.-K. Lim, T.E. LaRow, J.J. O'Brien, D.W. Shine	Statistical Downscaling of the FSUGSM Temperature over the Southeast United States	USA	05-33
W. Mashiko	High-Resolution Simulation of Wind Structure in the Inner-Core of Typhoon MA-ON (2004) and Sensitivity Experiments of Horizontal Resolution	Japan	05-35
A. Murata	A Cloud-Resolving Numerical Simulation for Orographic Rainfall Associated with Typhoon Meari (2004)	Japan	05-37
B. Music, D. Caya	Evaluation and Validation of the Hydrological Cycle Simulated by the Canadian Regional Climate Model (CRCM) using an Integrative Approach	Canada	05-39
S. Pattnaik, T.N. Krishnamurti	Sensitivity of Cloud Microphysical Processes on Hurricane Intensity	USA	05-41

## Table of Contents

Author	Paper Title	Country	Pages
E.V. Perekhdtseva	Hydrodynamic - Statistical Model of Operative Forecast to 12-36h Ahead of Storm Winds Including Squalls and Tornadoes at the Territory of Siberia	Russia	05-43
K. Prömmel, M. Widmann, J.M. Jones, B. Geyer	High-Resolution Simulation for the Alpine Climate since 1958 - Validation on Monthly and Daily Timescales	Germany	05-45
J. Ruiz, C. Saulo	Quantitative Precipitation Forecast Verification over Southeastern South America using CMORPH and CPC Data	Argentina	05-47
K. Saito, M. Kyouda, M. Yamaguchi	Mesoscale Ensemble Prediction Experiment of a Heavy Rain Event with the JMA Mesoscale Model	Japan	05-49
J.-P. Schultz	The New Lokal-Modell LME of the German Weather Service	Germany	05-51
H. Seko, Y. Kumahara, K. Saito	Line-shaped Convective Band Developed Over the Osaka Plain	Japan	05-53
L. Separovic, R. de Elia, R. Laprise	Stochastic and Deterministic Component in Limited Area Model Downscaling	Canada	05-55
V.A. Shnayzman, L.V. Berkovich	Atmospheric Boundary Layer Modelling in the Numerical Prediction Operations	USA	05-57
M. Stendel, V.E. Romanovsky, J.H. Christensen, T. Sazonova	Using Dynamical Downscaling to Close the Gap between Global Change Scenarios and Local Permafrost Dynamics	Denmark	05-59
J. Steppeler, H.W. Bitzer, Z. Janjic, U. Schättler, L. Torrisi, U. Gjertsen, E. Avgoustoglou, P. Prohl, J. Parfinievicz, U. Damrath	Investigation of QPF Produced by LM-z, the Z-Coordinate Version of the Non-Hydrostatic Model LM	Germany	05-61
X. Yang, B.H. Sass	Progress of the Limited Area NWP Forecasts at DMI	Denmark	05-63
M. Zahn, H. von Storch	Simulation of a Polar Low Case in the North Atlantic with Different Regional Numerical Models	Germany	05-65

## **6. Developments in global forecast models, case studies, predictability investigations, global ensemble, monthly and seasonal forecasting**

Author	Paper Title	Country	Pages
M.E. Brooks, P. Earnshaw, S. Milton, D. Walters	Recent Improvements to the Met Office Global NWP Model	UK	06-01
A. Chakraborty, T.N. Krishnamurti, C. Gnanaseelan	Improvements in the Prediction of the Diurnal Cycle of Clouds using Multimodels and a Unified Cloud Scheme	USA	06-03

## Table of Contents

Author	Paper Title	Country	Pages
M. Déqué, J.P. Piedelievre	Seasonal Forecast Skill Increase Due to Vertical Resolution	France	06-05
T.N. Krishnamurti, A.K. Mishra	Global NWP Superensemble from Multimodels	USA	06-07
K. Miyamoto	Introduction of the Reduced Gaussian Grid into the Operational Global NWP Model at JMA	Japan	06-09
D.C. Petraitis, T.E. LaRow, J.J. O'Brien	Long-Term Winter Rainfall Predictions Over the Southeast U.S. using the FSU Global Spectral Model	USA	06-11
M. Tolstykh	Quasioperational Tests of the SL-AV Model	Russia	06-13

## **7. Global and regional climate models, sensitivity and impact experiments, response to external forcing**

Author	Paper Title	Country	Pages
A. Alexandru, R. De Elia, R. Laprise	Geographical Distribution of Internal Variability in Regional Climate Downscaling	Canada	07-01
M.M. Arzhanov, P.F. Demchenko, A.V. Eliseev, I.I. Mokhov	Modelling Thermal and Hydrologic Regime of the Permafrost	Russia	07-03
R.R. Chaves	Association between Sea Surface Temperature over the North Atlantic Ocean and the Summertime Convection over the South America	Brazil	07-05
O.B. Christensen, J.H. Christensen, A. Guldberg	Effects of resolution in an RCM: From 50 to 12 km	Denmark	07-07
A. Frigon, M. Slivitzky, D. Caya	Hydrology of Northern Quebec as seen by the Canadian Regional Climate Model	Canada	07-09
S. Gregory, D. Noone	Assessing Linkages between Climate Variability in High-Latitudes and the Tropics with ENSO Forcing in GCM Simulations of Polar Climate Proxies	USA	07-11
S. Hagemann, D. Jacob	Climate Change over Southern Africa	Germany	07-13
V.C. Khon, I.I. Mokhov, E. Roeckner	Analysis of Open Water and Loose Ice Areas in the Siberian Arctic from Model Simulations	Russia	07-15
M. Leduc, R. Laprise	Regional Climate Model Sensitivity to Domain Size	Canada	07-17
P. Lucas-Picher, D. Caya, S. Biner	Relation between RCM's Internal Variability and Residency Time of the Atmospheric Parcels into the Limited Area Domain	Canada	07-19
I.I. Mokhov, A.Y. Artamonov, V.A. Bezverkhny, A.A. Karpenko, K.E. Muryshev, V.C. Khon, E. Roeckner	Analysis of Relationship between the Arctic Climate and Intensity of Thermohaline Circulation from Model Simulations	Russia	07-21

## Table of Contents

Author	Paper Title	Country	Pages
M. Patarićić, Č. Branković	Dynamical Downscaling with ECMWF Seasonal Forecasts	Croatia	07-23
D.W. Shin, J.G. Bellow, S. Cocke, T.E. LaRow, J.J. O'Brien	Seasonal Dynamical Downscaling for Crop Yield Estimation	USA	07-25
I. Shkolnik	Regional Climate Model for Siberia	Russia	07-27
L. Srnec, Č. Branković, M. Patarićić	Seasonal Dynamical Downscaling with Era-40 Data	Croatia	07-29
T.N. Krishnamurti, C. Gnanaseelan, A. Chakraborty	Precipitation Forecast using a Multi Model Superensemble and Understanding its Diurnal Variability	USA	07-31
S. Yang	Sensitivity of Model Climate to Physical Parameterizations in Climate Models	Denmark	07-33

## **8. Development of and advances in ocean modelling and data assimilation, sea-ice modelling, wave modelling**

Author	Paper Title	Country	Pages
B. Cheng, T. Vihma, R. Pirazzini, M.A. Granskog	Modelling of Superimposed Ice Formation During the Spring Snow Melt Period	Finland	08-01
A.A. Deo, D.W. Ganer, P.S. Salvekar	Simulation of Upper Ocean Response to the Observed Cyclones in the Indian Seas	India	08-03
D.S. Dukhovskoy, S.L. Morey, J.J. O'Brien	Baroclinic Topographic Waves on the Nicaragua Shelf Generated by Tropical Cyclones	USA	08-05
C. Gnanaseelan, B. Thompson, J.S. Chowdary, R. Deepa, P.S. Salvekar	Arabian Sea Warm Pool During Two Contrasting Monsoons 2002 and 2003	India	08-07
F. Gouillon, D. Dukhovskoy, S.L. Morey, J.J. O'Brien	Modeling Tides on Semi-Enclosed Basin A Case study of the Gulf of Mexico	USA	08-09
V. Krasnopolksy, C.J. Lozano, D. Spindler, I. Rivin, D.B. Rao	Using Neural Network to Enhance Assimilating Sea Surface Height Data into an Ocean Model	USA	08-11
C. Lozano, A. Mehra, C. Narayanan, D.B. Rao, I. Rivina	Operational Implementation of a HYCOM Based Real Time Ocean Forecast System (RTOFS) for the Atlantic Ocean Basin	USA	08-13
P.N. Mikheev	The Black Sea Nowcasting and Forecasting System Development	Russia	08-15
A.K. Mishra, C. Gnanaseelan	Mixed Layer Dynamics and Thermodynamics in the Central Arabian Sea	India	08-17

## Table of Contents

Author	Paper Title	Country	Pages
S.L. Morey, M.A. Bourassa, D.S. Dukhovskoy, J.J. O'Brien	Modeling the Impacts of Remote Forcing on Hurricane Storm Surge	USA	08-19
Y.D. Resnyansky, A.A. Zelenko, B.S. Strukov	Transport of Waters from a Deep Convection Region in the Labrador Sea: Sensitivity of Trajectories to Initial Position and to Atmospheric Forcing	Russia	08-21
B. Subrahmanyam, W. Shi, J.M. Morrison	Near Real-Time Temperature and Salinity Profiles in the Indian Ocean Derived from TOPEX/POSEIDON Altimetry	USA	08-23
P. Yu, S.L. Morey, J.J. O'Brien	Development of New Techniques for Assimilating Satellite Altimetry Data into Ocean Models	USA	08-25

## 9. Development of and studies with coupled ocean-atmosphere models

Author	Paper Title	Country	Pages
S.K. Mandke, A.K. Sahai, M. Shinde, S. Joseph	Global Warming and Mean Indian Summer Monsoon	India	09-01
M. Radojevic, P. Zwack, R. Laprise	Impact of Enhanced Greenhouse Gases on Northern Hemisphere Extra-Tropical Cyclone Activity in 2041-2070 as Simulated by the CGCM3	Canada	09-03
M. Radojevic, P. Zwack, R. Laprise	Northern Hemisphere Extra-Tropical Cyclone Activity in 1961-1990: Comparison of the CGCM3 with the NCEP/NCAR Reanalyses	Canada	09-05
M. Stendel, I.A. Mogensen, J.H. Christensen	Simulating Global Climate in Historical Times using a Coupled Atmosphere-Ocean General Circulation Model with all Relevant Forcings	Denmark	09-07
A. Wada, W. Mashikon	Introduction of a Mixed-Layer Ocean Model into the MRI Interactive Multiply-Nested Movable Mesh Tropical Cyclone Model	Japan	09-09
A. Wada	Numerical Experiments of Typhoons in 2004 Typhoon Season using a Non-Hydrostatic Atmospheric Model Coupled with a Mixed-Layer Ocean Model	Japan	09-11
A. Wada	Numerical Experiments of Typhoon Namtheun (T0410) using Different Atmosphere-Ocean Coupled Models	Japan	09-13
A. Wada	Typhoon-Ocean Interaction in Typhoon Megi (T0415) using an Atmosphere-Mixed-Layer Ocean Coupled Model	Japan	09-15