

# National Centre for Earth Observation

## Exposing how the Earth system works

### NCEO Annual Science Meeting 2009 - Posters

All the following are PDF files.

[G. González Abad & P. F. Bernath](#): HCOOH, HCHO and CH<sub>3</sub>COCH<sub>3</sub> from ACE (3Mb)

[Richard P. Allan, Viju O. John, Brian J. Soden](#): Monitoring current changes in precipitation and Earth's radiative energy balance using satellite data, reanalyses and models (1Mb)

[Nick Allen & Peter Bernath](#): Monitoring current changes in precipitation and Earth's radiative energy balance using satellite data, reanalyses and models (3Mb)

[Ross Bannister, Mark Dixon, Stefano Migliorini](#): Measuring forecast errors in a Met Office high resolution model (1Mb)

[Michael P. Barkley & Paul I. Palmer](#): Investigating Amazonian isoprene emissions using satellite observations of formaldehyde (HCHO) columns (5Mb)

[Claudio Belotti, Richard Bantges and John Harries](#): Spectral signatures derived from ERA-Interim (1989-2008) (4Mb)

[Adrian J. Champion, Kevin I. Hodges and Lennart Bengtsson](#): Extreme Precipitation: Current Forecast Ability and Climate Change (5Mb)

[S. Ciavatta, R. Torres, J.I. Allen and T. Smyth](#): Shelf-seas Data Assimilation: some experiences from the Western English Channel (1Mb)

[Debbie Clifford, Sarah Dance and Robin Hogan](#): Assimilation of polarimetric radar data to improve high resolution rainfall in models (0.4Mb)

[Anu Dudhia](#): Analysis of MIPAS data at Oxford (0.4Mb)

[Annemarie Fraser, A. Anthony Bloom and Paul I. Palmer](#): A Global Chemistry Transport Model Simulation of Methane for NCEO (2Mb)

[Lizzie Froude](#): TIGGE: Comparison of the Prediction of Extratropical Cyclones by Different Ensemble Prediction Systems (1Mb)

[Rupert Gladstone, Tony Payne, Victoria Lee, Jonathan Gregory, Jeff Ridley](#): Coupled Cryosphere/Atmosphere/Ocean Modelling (0.2Mb)

[Rupert Gladstone, Tony Payne, Victoria Lee, Andreas Vieli](#): Grounding Line Movement in Ice Sheet Models (0.3Mb)

[Lonneke Goddijn-Murphy, David Woolf](#): Parameterization of whitecap coverage; analysis of the MAP experiment (2Mb)

[Marianne Hall, Peter North and Sietse Los](#): Development of a spectral albedo simulator for the JULES model(17Mb)

[J. J. Harrison & P. F. Bernath](#): Detecting Volatile Organic Compounds from Orbit (1Mb)

[Andreas Heinemeyer, A Lloyd, R.M. Lomas, J. Stockdale, P. Ineson](#): Carbon flux measurements on mineral and organic soil: Implications for modelling C dynamics (1Mb)

[John Hemmings, Peter Challenor & Ian Robinson](#): Data Assimilation for Reducing Uncertainty In Ocean Carbon Cycle Modelling (1Mb)

[Martin De Kauwe, Christopher Taylor and Graham Weedon](#): Temporal and Spatial Scales of Land Surface Temperature Variability in the Sahelian Wet Season (1Mb)

[Chris Kidd](#): Quantitative Precipitation Estimates From Earth Observation (1Mb)

[Diane Knappett, Hartmut Bösch, Austin Cogan and Paul Monks](#): Observing the distribution of atmospheric methane from space (2Mb)

[Justin Krijnen, Dr. Ute Schuster, Prof. Andy Watson & Dr. Samantha Lavender](#): Understanding the mechanisms of surface water pCO<sub>2</sub> change in the North Atlantic (1Mb)

[Victoria Lee, Tony Payne, Rupert Gladstone and Paul Holland](#): Developing a coupled ice flow, meltwater plume model to study interactions beneath ice shelves off the coast of West Antarctica (2Mb)

[Mounir Lekouara, I. S. Robinson, Marc Bouvet, Christine Gommenginger](#): The use of Sea Surface Fronts as Climate Change Indicators (19Mb)

[Chunlei Liu, Keith Haines, Alan Iwi, Doug Smith](#): Climate predictability from Met Office decadal prediction system (0.2Mb)

[Neil Lonie, Steve Groom, Peter Miller, Stephane Saux Picart, Jamie Shutler, Ben Taylor](#): NEODAAS (NERC Earth Observation Data Acquisition & Analysis Service) Science area applications (7Mb)

[D. C. Mason, R. Speck, B. Devereux, G. Schumann, J. Neal, P. D. Bates](#): Flood detection in urban areas using TerraSAR-X (1Mb)

[Malcolm McMillan, Andrew Shepherd, Tony Payne and Peter Nienow](#): Mapping the tidal motion of an Antarctic ice shelf from space (4Mb)

[Kirill Palamartchouk](#): Influence of the Second-Order Ionospheric Delay on GNSS Geodetic Solutions: Apparent Geocentre Oscillations (5Mb)

[Ruth E. Petrie, Dr. Ross Bannister, Dr. Stefano Migliorini, Dr. Sue Ballard](#): High Resolution Dynamic Data Assimilation (0.3Mb)

[Nicola Pounder, Robin Hogan, Tamás Várnai](#): Cloud retrievals using lidar with wide field of view (0.5Mb)

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[N.A.D. Richards, M.P. Chipperfield, S.R. Arnold](#): The Tropospheric Budget of PAN (0.2Mb)

[Edmund Ryan, Mat Williams, Shaun Quegan](#): A Study into the effect of different formulations of the Metropolis-Hastings algorithm in estimating model parameters and errors (0.2Mb)

[A. M. Sayer, G. E. Thomas, R. G. Grainger, E. Carboni, C. Poulsen, R. Siddans, A. Richter, M. Vrekoussis, F. Wittock, J. P. Burrows](#): Biomass burning in the Amazon: Links between burning, SCIAMACHY trace gases, and aerosol and surface properties from the ORAC-AATSR retrieval (1Mb)

[M Scholze, P.J. Rayner, W Knorr, T Ziehn, T Kaminski, R Giering](#): The Carbon Cycle Data Assimilation System (CCDAS) (1Mb)

[Ben Taylor, Steve Groom, Neil Lonie, Peter Miller, Stephane Saux Picart, Jamie Shutler](#): NEODAAS (NERC Earth Observation Data Acquisition & Analysis Service) Background and aims (4Mb)

[Ben Taylor, Mike Grant, Steve Groom, Mark Warren](#): NERC ARSF - Data Analysis Node (2Mb)

[Andy Toombs & Geoff Wadge](#): Volcano-Tectonic Ground Deformation and Lava Flow Subsidence Modelling using INSAR at Nyamuragira Volcano, DR Congo (7Mb)

[Win Trivitayanurak & Paul Palmer](#): Finding the missing source of free tropospheric aerosols: constraints from models and in situ and remote-sensed data (2Mb)

[Adrian Turner, Daniel Feltham and Seymour Laxon](#): Preliminary results from a coupled sea-ice/ocean model (16Mb)

[Matt Waldram, Sue Page, Kevin Tansey and Emma Tebbs](#): Investigating the use of ALOS PALSAR to measure the degradation of a tropical forest (0.5Mb)

[Chris Wilson, Martyn Chipperfield, Manuel Gloor](#): Investigating Large-scale Contemporary CO<sub>2</sub> Sources and Sinks Using Inverse Transport Modelling Applied to CO<sub>2</sub>, CH<sub>4</sub> and CO (0.4Mb)

[Corwin Wright, Scott Osprey, John Barnett, Lesley Gray](#): HIRDLS analysis of gravity waves in the 2006 Arctic stratosphere (4Mb)

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