National Centre for Atmospheric Science
NATURAL ENVIRONMENT RESEARCH COUNCIL

Staff meeting posters – Section 1

1	Nathan Luke Abraham	ENSO-QBO phase-space and its implications for tropospheric climate [N.L. Abraham, P. Braesicke, J.A. Pyle]
2	Richard Allan	Precipitation changes from dynamic and thermodynamic processes [C. Liu and R. P. Allan]
3	Richard Allan	Tracking Earth's Net Energy Imbalance [R.P. Allan, N. Loeb, J. Lyman, G. Johnson and B. Soden]
4	Lesley Allison	Mechanisms and impacts of decadal-scale fluctuation events in the Atlantic Meridional Overturning Circulation in unforced climate model simulations
5	Beena Balan Sarojini	Initial results of Horyuji PAGODA project : Fingerprints of Precipitation Change [Beena Balan Sarojini, Peter Stott, Emily Black]
6	~~Brian Bandy~~	~~tba~~
7	Lindsay Bennett	A Mobile Doppler Dual-Polarisation X-band Radar for Microphysics and Hydrometeorological Research. [L.J.Bennett, C.G.Collier and A.M.Blyth]
8	Paul Berrisford	The Atmospheric Energy and Hydrological Cycles in ECMWF Reanalyses
9	Emily Black	Modelling vegetation in a changing climate: a case study of sugarcane in Brazil and Ghana
10	Mike Blackburn	An overview of results from the Aqua-Planet Experiment [Michael Blackburn, David L. Williamson, and 14 APE modelling groups]
11	Mark Blitz	Reaction of hydroxyl radicals with alkynes and alkenes in the presence of O2: examples of non-thermalized reactions
12	Venkata Boppana	Thermal effects on urban flows: a large-eddy simulation study
13	Nathaelle Bouttes	The Reversibility of Sea-Level Rise
14	Ralph Burton	WRF modelling of volcanic plumes: comparison with theory
15	Stephanie Bush	Diagnosing Indian Monsoon Biases in the Met Office Unified Model
16	Michelle Cain	Nighttime chemistry: observations and modelling from RONOCO
17	Chris Collier	A real-time procedure for adjusting radar data using raingauge information: Initial performance of the PMM procedure
18	Jonathan Day	Sources of multi-decadal variability in Arctic sea-ice extent
19	Buwen Dong	Transient response of the coupled ocean atmosphere system to an abrupt change of the Demark Strait overflow
20	Wuhu Feng	Sensitivity studies of mesospheric metal layers using a whole atmosphere community climate model
21	Chris Ferro	The relative influence of heat stress and precipitation on crop yields from the 1960s to the 2030s [Ed Hawkins, Tom Fricker, Andy Challinor, Chris Ferro, Chun Kit Ho and Tom Osborne.]
22	Zoë Fleming	Interpretation of changing air mass influences on the composition of London during the Clearflo campaign

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Staff meeting posters – Section 2

23	Thomas Frame	Flow dependent predictability of the North Atlantic jet
24	Alan Gadian	Marine Cloud Brightening
25	Alan Gadian	Controlled Hurricane Weakening via Marine Cloud Brightening
26	Alan Gadian	The Meridional Hest flux and the effects of Marine Cloud Brightening
27	Johanna Gietl	Characterisation of urban aerosol in London
28	Suzanne Gray	Sting jets in cyclone Freidhelm: 8 December 2011
29	~~Jonathan Gregory~~	~~Twentieth-century global-mean sea-level rise: is the whole greater than the sum of the parts?~~
30	Eric Guilyardi	ENSO assessment in CMIP5 using metrics and process-based analysis
31	Ed Hawkins	Climate uncertainty: from 'what' to 'when'
32	Paul Hayden	Extending the fetch of the unstably stratified atmospheric boundary layer simulated in the EnFlo Tunnel
33	Dan Hodson	The Influence of the Stratosphere on Deep Ocean circulation [Dan Hodson, Rowan Sutton, William Seviour, Lesley Gray and Daniel Mitchell]
34	Stephen Hunter	Response of the Global Submarine Hydrate Inventory to AR-5 RCP scenarios
35	Manoj Joshi	A Comparison of Two Dust Uplift Schemes within the HadGEM2A climate model
36	Nicholas Klingaman	Projections of rainfall change in Queensland, Australia from a high-resolution GCM
37	Till Kuhlbrodt	Ocean heat uptake in climate change simulations from the CMIP3 and CMIP5 climate model ensembles. [Till Kuhlbrodt, Jonathan M. Gregory]
38	Grenville Lister	Moving the UM to HECToR phase 3 and a detour to CURIE
39	Sarah-Jane Lock	Numerical analyses of explicit time-stepping methods for use in atmospheric forecasting models
40	Graham Mann	An intercomparison and evaluation of CCN and size distribution among AeroCom global aerosol models of a range of complexity
41	Amanda Maycock	Could trends in stratospheric water vapour influence regional surface climate?
42	William McGinty	NCAS-CMS Support to NCAS Weather Research
43	Sarah Moller	Education and Development Opportunities Within NCAS
44	Maurizio Nagni	Implementation of UML Schema to RDBM

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Staff meeting posters – Section 3

45	John Nicol	Developments in radar refractivity retrieval
46	Annette Osprey	Performance modelling for climate models
47	Scott Osprey	Evidence for the phase-synchronisation of tropical variability in climate simulation contributions to CMIP5
48	Charlotte Pascoe	Portable Infrastructure for the Metafor Metadata System
49	Charlotte Pascoe	Integrating PIMMS into the simulation workflow
50	Felicity Perry	Communicating your science effectively: statistics, tactics and twitter...
51	Shalini Punjabi	Science highlights from the Cape Verde Atmospheric Observatory (CVAO)
52	Hugo Ricketts	Using a diode-pumped solid-state laser for temperature profiling
53	Jon Robson	Predictability of the rapid warming of the North Atlantic in the mid 1990s and its climate impacts
54	Reinhard Schiemann	The sensitivity of the Walker Circulation and precipitation over the Maritime Continent to climate model resolution
55	Robin Smith	The impact of salinity perturbations on the future uptake of heat to the Atlantic
56	William Sturges	Weybourne Atmospheric Observatory TNA
57	Paul Telford	Implementation of fast-jx photolysis scheme into UKCA chemistry climate model
58	Steffen Tietsche	Predictability of large interannual anomalies of Arctic sea ice
59	Andrew Turner	The role of peninsular India in the South Asian monsoon
60	Geraint Vaughan	The DIAMET project
61	Nicola Warwick	Land use change and isoprene chemistry in SE Asia
62	Antje Weisheimer	Land surface parameters and model uncertainty in seasonal forecasts using the ECMWF system
63	Hilary Weller	Unstructured grids for the Next Met Office Unified Model?
64	Alan Woolley	FAAM BAe146 DECADES Data System Update [Alan Woolley, Matt Gascoyne, Dan Walker, Dave Tiddeman]
65	Zheng-Tong Xie	Numerical modeling of vortex shedding and dispersion from an oil tank
66	Xin Yang	Halogen chemistry in UKCA model
67	Gui-Ying Yang	El Niño impact on upper tropospheric equatorial wave activity
68	Dominique Young	Preliminary results from comprehensive aerosol measurements in London during ClearfLo

Staff meeting posters – Section 4

69	Grenville Lister	Testing Academic Network Capacity [Alan Iwi, Ag Stephens and Grenville Lister]
70	Daniel Mitchell	The Influence of Stratospheric Vortex Displacements and Splits on Surface Climate
	Graham A Parton	Why Archive Environmental Data? [Graham A Parton and Ben Seers]
	Esther Conway	Science Data Infrastructure for Preservation [Esther Conway, Sam Pepler and Spiros Ventouras]
	Wuhu Feng	Development and use of TOMCAT/SLIMCAT 3-D CTM