Subject index

A climatology of extreme fire weather days in Victoria, 13
A model of diffuse broadband solar irradiance for a cloudless sky, 119
A re-examination of the winds of Adélie Land, Antarctica, 105
Adélie Land, Antarctica, A re-examination of the winds of, 105
Aircraft encounters with volcanic clouds over Micronesia, Oceania, 2002/03, 289
AIRS radiances in numerical weather prediction, The application of, 213
Antarctica, A re-examination of the winds of Adélie Land, 105
Australia, National gridded drought factors and comparison of two soil moisture deficit formulations used in prediction of Forest Fire Danger Index in, 183
Australian/Asian region – May to October 2005, The tropical circulation in the, 59
Australian/Asian region – November 2005 to April 2006, The tropical circulation in the, 219
Australian climate change: a review, Detecting and attributing, 199
Australian coastline and the changing frequency of extreme sea-level events, Sea-level rise around the, 253
Australian region and identification of diurnal variability, Validation of GPS-based estimates of integrated water vapour for the, 131
Australian region, On the distribution of heat waves over the, 169

Book reviews

Climate Change – Turning up the Heat, 165
Encyclopedia of World Climatology, 249
The Weather Makers, 166
Weather Analysis and Forecasting: Applying Satellite Water Vapour Imagery and Potential Vorticity Analysis, 250
bushfire smoke, Modelling the King Island, 93
climate change: a review, Detecting and attributing Australian, 199
climate summary southern hemisphere (summer 2005-06): a neutral ENSO state with strong climate contrasts across Australia, Seasonal, 301
climate summary southern hemisphere (winter 2005): neutral conditions in the tropical Pacific and a wet and warm winter across Australia, Seasonal, 149
climatology, Objective identification of wind change timing from single station observations Part 2: towards the concept of a wind change, 275
cool change structure, The Winchelsea Convergence – using radar and mesoscale NWP to diagnose, 47
cyclone season 2003-04, The South Pacific and southeast Indian Ocean tropical, 313
Detecting and attributing Australian climate change: a review, 199
diurnal variability, Validation of GPS-based estimates of integrated water vapour for the Australian region and identification of, 131
drought factors and comparison of two soil moisture deficit formulations used in prediction of Forest Fire Danger Index in Australia, National gridded, 183
dust forecasts for the duststorm of 22-24 October 2002, Meteorological overview and verification of HYSPLIT and AAQFS, 35
duststorm of 22-24 October 2002, Meteorological overview and verification of HYSPLIT and AAQFS dust forecasts for the, 35
extreme sea-level events, Sea-level rise around the Australian coastline and the changing frequency of, 253
Fire Danger Index in Australia, National gridded drought factors and comparison of two soil moisture deficit formulations used in prediction of Forest, 183
fire weather days in Victoria, A climatology of extreme, 13
GPS-based estimates of integrated water vapour for the Australian region and identification of diurnal variability, Validation of, 131
heat waves over the Australian region, On the distribution of, 169
Indian Ocean tropical cyclone season 2003-04, The South Pacific and southeast, 313
King Island bushfire smoke, Modelling the, 93
The Winchelsea Convergence – using radar and mesoscale NWP to diagnose cool change structure, 47
thermally generated mesoscale wind system observed in the Mackenzie Basin, New Zealand, Two-
dimensional numerical analysis of a, 19
Two-dimensional numerical analysis of a thermally generated mesoscale wind system observed in the Mackenzie Basin, New Zealand, 19
Validation of GPS-based estimates of integrated water vapour for the Australian region and identification of diurnal variability, 131
vapour for the Australian region and identification of diurnal variability, Validation of GPS-based estimates of integrated water, 131
verification of HYSPLIT and AAQFS dust forecasts for the duststorm of 22-24 October 2002, Meteorological overview and, 35
Victoria, A climatology of extreme fire weather days in, 13
volcanic clouds over Micronesia, Oceania, 2002/03, Aircraft encounters with, 289
Winchelsea Convergence – using radar and mesoscale NWP to diagnose cool change structure, The, 47
wind change timing from single station observations Part 1: methodology and comparison with subjective wind change timings, Objective identification of, 261
wind change timing from single station observations Part 2: towards the concept of a wind change climatology, Objective identification of, 275
wind system observed in the Mackenzie Basin, New Zealand, Two-dimensional numerical analysis of a thermally generated mesoscale, 19
winds of Adélie Land, Antarctica, A re-examination of the, 105

Author index

Arblaster, J.M. Seasonal climate summary southern hemisphere (spring 2005): a wet and warm season across much of Australia, 231
Beard, G.S. and Mullen, C. Seasonal climate summary southern hemisphere (summer 2005-06): a neutral ENSO state with strong climate contrasts across Australia, 301
Beard, G., Jones, D.A., Finkele, K. and Mills, G.A. National gridded drought factors and comparison of two soil moisture deficit formulations used in prediction of Forest Fire Danger Index in Australia, 183
Bettio, L. Seasonal climate summary southern hemisphere (autumn 2005): an exceptionally warm and dry autumn across Australia, 71
Bourke, W.P., Glowacki, T.J. and Penna, N.T. Validation of GPS-based estimates of integrated water vapour for the Australian region and identification of diurnal variability, 131
Church, J.A., Hunter, J.R., McInnes, K.L. and White, N.J. Sea-level rise around the Australian coastline and the changing frequency of extreme sea-level events, 253
Cleland, S.J. and Shaik, H.A. The tropical circulation in the Australian/Asian region – May to October 2005, 59
Cleland, S.J. and Shaik, H.A. The tropical circulation in the Australian/Asian region – November 2005 to April 2006, 219
Cope, M.E., Hess, G.D., Tory, K.J., Lee, S. and Wain, A.G. Modelling the King Island bushfire smoke, 93
Derber, J., Treadon, R., Lord, S., Goldberg, M., Wolf, W., Le Marshall, J., Jung, J. and Zapotocny, T. The application of AIRS radiances in numerical weather prediction, 213
Farlow, J., Henry, E., Lynch, B., Shepherd, I., Smith, T., Cleland, S.J. and McInerney, R. The South Pacific and southeast Indian Ocean tropical cyclone season 2003-04, 313
Finkele, K., Mills, G.A., Beard, G. and Jones, D.A. National gridded drought factors and comparison of two soil moisture deficit formulations used in prediction of Forest Fire Danger Index in Australia, 183
Glowacki, T.J., Penna, N.T. and Bourke, W.P. Validation of GPS-based estimates of integrated water vapour for the Australian region and identification of diurnal variability, 131
Grace, W. A model of diffuse broadband solar irradiance for a cloudless sky, 119


Hess, G.D., Tory, K.J., Lee, S., Wain, A.G. and Cope, M.E. Modelling the King Island bushfire smoke, 93

Holper, P. Book review. The Weather Makers. Tim Flannery, 166

Huang, X. and Mills, G.A. Objective identification of wind change timing from single station observations Part 1: methodology and comparison with subjective wind change timings, 261

Huang, X. and Mills, G.A. Objective identification of wind change timing from single station observations Part 2: towards the concept of a wind change climatology, 275

Hunter, J.R., McInnes, K.L., White, N.J. and Church, J.A. Sea-level rise around the Australian coastline and the changing frequency of extreme sea-level events, 253

Jones, D.A., Finkele, K., Mills, G.A. and Beard, G. National gridded drought factors and comparison of two soil moisture deficit formulations used in prediction of Forest Fire Danger Index in Australia, 183


Lee, J. Quarterly numerical weather prediction model performance summary - July to September 2006, 325

Lee, J. Quarterly numerical weather prediction model performance summary - April to June 2006, 245


Lee, S., Wain, A.G., Cope, M.E., Hess, G.D. and Tory, K.J. Modelling the King Island bushfire smoke, 93


Long, M. A climatology of extreme fire weather days in Victoria, 13


McInnes, K.L., White, N.J., Church, J.A. and Hunter, J.R. Sea-level rise around the Australian coastline and the changing frequency of extreme sea-level events, 253

Mills, G. and Morgan, E. The Winchelsea Convergence – using radar and mesoscale NWP to diagnose cool change structure, 47

Mills, G.A., Beard, G., Jones, D.A. and Finkele, K. National gridded drought factors and comparison of two soil moisture deficit formulations used in prediction of Forest Fire Danger Index in Australia, 183


Mills, G.A. and Huang, X. Objective identification of wind change timing from single station observations Part 1: methodology and comparison with subjective wind change timings, 261

Mills, G.A. and Huang, X. Objective identification of wind change timing from single station observations Part 2: towards the concept of a wind change climatology, 275

Morgan, E. and Mills, G. The Winchelsea Convergence – using radar and mesoscale NWP to diagnose cool change structure, 47

Mullen, C. and Beard, G.S. Seasonal climate summary southern hemisphere (summer 2005-06): a neutral ENSO state with strong climate contrasts across Australia, 301
Nicholls, N. Detecting and attributing Australian climate change: a review, 199

Parish, T.R. and Walker, R. A re-examination of the winds of Adélie Land, Antarctica, 105

Penna, N.T., Bourke, W.P. and Glowacki, T.J. Validation of GPS-based estimates of integrated water vapour for the Australian region and identification of diurnal variability, 131

Pitman, A. Book review. *Climate Change – Turning up the Heat*. Barrie Pittock, 165


Risbey, J. and Tryhorn, L. On the distribution of heat waves over the Australian region, 169

Servranckx, R., Prata, F., Tupper, A., Davey, J., Stewart, P. and Stunder, B. Aircraft encounters with volcanic clouds over Micronesia, Oceania, 2002/03, 289


Shepherd, I., Smith, T., Cleland, S.J., McInerney, R., Farlow, J., Henry, E. and Lynch, B. The South Pacific and southeast Indian Ocean tropical cyclone season 2003-04, 313


Sturman, A.P. and Zawar-Reza, P. Two-dimensional numerical analysis of a thermally generated mesoscale wind system observed in the Mackenzie Basin, New Zealand, 19


Tory, K.J., Lee, S., Wain, A.G., Cope, M.E. and Hess, G.D. Modelling the King Island bushfire smoke, 93


Tryhorn, L. and Risbey, J. On the distribution of heat waves over the Australian region, 169


Wain, A.G., Cope, M.E., Hess, G.D., Tory, K.J. and Lee, S. Modelling the King Island bushfire smoke, 93


Walker, R. and Parish, T.R. A re-examination of the winds of Adélie Land, Antarctica, 105

Wang, X. and Watkins, A.B. Seasonal climate summary southern hemisphere (winter 2005): neutral conditions in the tropical Pacific and a wet and warm winter across Australia, 149

Watkins, A.B. and Wang, X. Seasonal climate summary southern hemisphere (winter 2005): neutral conditions in the tropical Pacific and a wet and warm winter across Australia, 149

White, N.J., Church, J.A., Hunter, J.R. and McInnes, K.L. Sea-level rise around the Australian coastline and the changing frequency of extreme sea-level events, 253


Zapotocny, T., Derber, J., Treadon, R., Lord, S., Goldberg, M., Wolf, W., Le Marshall, J. and Jung, J. The application of AIRS radiances in numerical weather prediction, 213

Zawar-Reza, P. and Sturman, A.P. Two-dimensional numerical analysis of a thermally generated mesoscale wind system observed in the Mackenzie Basin, New Zealand, 19