

2006

Abramowitz, G, Gupta, H, Pitman, A, Wang, YP, Leuning, R, Cleugh, H, Hsu, KL (2006), **Neural Error Regression Diagnosis (NERD): a tool for model bias identification and prognostic data assimilation**. *Journal of Hydrometeorology*, 7: 160-177.

Baker, DF, Law, RM, Gurney, KR, Rayner, P, Peylin, P, Denning, AS, Bousquet, P, Bruhwiler, L, Chen, YH, Ciais, P, Fung, IY, Heimann, M, John, J, Maki, T, Maksyutov, S, Masarie, K, Prather, M, Pak, B, Taguchi, S, and Zhu, Z. (2006), TransCom 3 inversion intercomparison: Impact of transport model errors on the interannual variability of regional CO₂ fluxes, 1988–2003. *Global Biogeochem. Cycles*, 20(1), GB1002, doi:10.1029/2004GB002439.

Clough, TJ, Kelliher, FM, Wang, YP and Sherlock, RR (2006), Diffusion of ¹⁵N₂-labelled N₂O into soil columns: a method to examine the fate of N₂O in subsoils. *Soil Biology and Biochemistry*, 38: 1462-1468.

Enting, I.G., Trudinger, C.M. and Etheridge, D.M. (2006), Propagating data uncertainty through smoothing spline fits. *Tellus*, 58 (4): 305-309.

Guo Z., Dirmeyer, P., Koster, R. D., Bonan, G., Chan, E., Cox, P., Gordon, C. T., Kanae, S., Kowalczyk, EA, Lawrence, D., Liu, P., Lu. C. H., Malyshev, S., McAvaney, B., McGregor, J. L., Mitchell, K., Mocko, D., Oki, T., Oleson, K. W., Pitman, A., Sud, Y. C., Taylor, C. M., Verseghy, D., Vasic, R., Xue, Y., and Yamada, T. (2006), **GLACE: the global land-atmosphere coupling experiment. Part II: analysis**. *Journal of Hydrometeorology*, 7 (4): 611–625.

Katul, G.G., Finnigan, J.J., Poggi, D., Leuning, R. and Belcher, S.E. (2006), The influence of hilly terrain on canopy-atmosphere carbon dioxide exchange. *Boundary-Layer Meteorology*, 118: 189-216.

Koster, R.D., Guo, Z., Dirmeyer, P., Bonan, G., Chan, E., Cox, P., Davies, H.L., Gordon, C.T., Kanae, S., Kowalczyk, E.A., Lawrence, D., Liu, P., Lu. C.H., Malyshev, S., McAvaney, B., Mitchell, K., Mocko, D., Oki, T., Oleson, K.W., Pitman, A., Sud, Y.C., Taylor, C.M., Verseghy, D., Vasic, R., Xue, Y., and Yamanaka, T. (2006), **GLACE: the global land-atmosphere coupling experiment. Part I: overview**. *Journal of Hydrometeorology*, 7 (4): 590-610.

Kowalczyk, EA, Wang, YP, Law, RM, Davies, HL, McGregor, JL, and Abramowitz, GS (2006). **The CSIRO Atmosphere Biosphere Land Exchange (CABLE) model for use in climate models and as an offline model**. (CSIRO Marine and Atmospheric Research Paper; 013) Aspendale, Vic.: CSIRO Marine and Atmospheric Research. 43 p.

Ibrom, A, Jarvis, PG, Clement, R, Morgenstern, K, Oltchev, A, Medlyn, B, Wang, YP, Wingate, L, Moncrieff, J, Gravenhorst, G. (2006), Simulation of carbon dioxide fluxes in coniferous canopies with the three dimensional canopy model MAESTRA. *Tree Physiology*, 26: 845-864.

Law, RM, Kowalczyk, EA and Wang, YP (2006), **Validation of a simplified carbon-climate simulation for the 20th century using atmospheric CO₂ data**. *Tellus*, 58B: 427-437.

Law, RM, Maki, T, Pak, BC, Peylin, P, Prather, M, Rayner, PJ, Sarmiento, J, Taguchi, S, Takahashi, T, Yuen, CW (2006), Sensitivity of inverse estimation of annual mean CO₂ sources and sinks to ocean-only sites versus all-sites observational networks. *Geophys. Res. Letts.*, 33, L05814, doi:10.1029/2005GL025403.

MacFarling Meure, C., Etheridge, D., Trudinger, C., Steele, P., Langenfelds, R., van Ommen, T., Smith, A. and Elkins, J. (2006), The Law Dome CO₂, CH₄ and N₂O ice core records extended to 2000 years BP. *Geophys. Res. Lett.*, 33: L14810, doi:10.1029/2006GL026152.

Patra, PK, Gurney, KR, Denning, AS, Maksyutov, S, Nakazawa, T, Baker, D, Bousquet, P, Bruhwiler, L, Chen, YH, Ciais, P, Fan, S, Fung, I, Gloor, M, Heimann, M, Higuchi, K, John, J, Law, RM, Maki, T, Pak, BC, Peylin, P, Prather, M, Rayner, PJ, Sarmiento, J, Taguchi, S, Takahashi, T, Yuen, CW (2006), Sensitivity of inverse estimation of annual mean CO₂ sources and sinks to ocean-only sites versus all-sites observational networks. *Geophys. Res. Letts.*, 33, L05814, doi:10.1029/2005GL025403.

Seneviratne, S., Koster, R.D., Guo Z., Dirmeyer, P., Kowalczyk, E.A., Lawrence, D., Liu, P., Lu. C.H., Mocko, D., Oleson, K.W., and Verseghy, D. (2006), Soil moisture memory in AGCM simulations: Analysis of Global Land-Atmosphere Coupling Experiment (GLACE) data. *Journal of Hydrometeorology*, 7 (5): 1090-1112.