

GREGORY J. HAKIM

Department of Atmospheric Sciences, Box 351640
University of Washington
Seattle, WA 98195-1640

phone: 206.685.2439 fax: 206.543.0308

email: ghakim@uw.edu

PROFESSIONAL EXPERIENCE

Chair, Dept. of Atmospheric Sciences, University of Washington, July 2012–present.

Professor, Department of Atmospheric Sciences, University of Washington, Seattle, WA. 2012–present.

Associate Professor, Department of Atmospheric Sciences, University of Washington, Seattle, WA. 2005–2012.

Assistant Professor, Department of Atmospheric Sciences, University of Washington, Seattle, WA. 1999–2005.

Postdoctoral Fellow, Advanced Study Program, National Center for Atmospheric Research, Boulder, CO. 1997–1999.

SELECTED REFEREED PUBLICATIONS

(for a complete list, see: <http://www.atmos.washington.edu/~hakim/index.psp?hnav=publications&vnav=all>)

Hakim, G. J., 2013: The variability and predictability of axisymmetric hurricanes in statistical equilibrium. *J. Atmos. Sci.*, **70**, 993–1005.

Hakim, G. J., 2011: The mean state of axisymmetric hurricanes in statistical equilibrium. *J. Atmos. Sci.*, **68**, 13641376. doi: 10.1175/2010JAS3644.1

Huntley, H. S., and G. J. Hakim, 2010: Assimilation of time-averaged observations in a quasi-geostrophic atmospheric jet model. *Climate Dyn.*, **32**, DOI: 10.1007/s00382-009-0714-5

Torn, R. D., and G. J. Hakim, 2009: Initial condition sensitivity of western-Pacific extratropical transitions determined using ensemble-based sensitivity analysis. *Mon. Wea. Rev.*, **137**, 3388–3406. DOI: 10.1175/2009MWR2879.1

Torn, R. D., and G. J. Hakim, 2009: Ensemble Data Assimilation applied to RAINEX observations of Hurricane Katrina (2005). *Mon. Wea. Rev.*, **137**, 2817–2829.

Cavallo, S. M., and G. J. Hakim, 2009: Potential vorticity diagnosis of a tropopause polar cyclone. *Mon. Wea. Rev.*, **137**, 1358–1371. DOI: 10.1175/2008MWR2670.1

Torn, R. D., and G. J. Hakim, 2008: Performance characteristics of a pseudo-operational ensemble Kalman filter. *Mon. Wea. Rev.*, **136**, 3947–3963.

Hakim, G. J., 2008: A probabilistic theory for balance dynamics. *J. Atmos. Sci.*, **65**, 2949–2960.

Torn, R. D., and G. J. Hakim, 2008: Ensemble-based sensitivity analysis. *Mon. Wea. Rev.*, **136**,

663–677.

Ancell, B., and G. J. Hakim, 2007: Comparing adjoint and ensemble sensitivity analysis. *Mon. Wea. Rev.*, **135**, 4117–4134.

Dirren, S., and G. Hakim, 2005: Toward the assimilation of time-averaged observations. *Geophys. Res. Lett.*, **32**, L04804, doi:10.1029/2004GL021444.

Hakim, G. J., 2005: Vertical structure of midlatitude analysis and forecast errors. *Mon. Wea. Rev.*, **133**, 567–578.

Hakim, G. J., and A. Canavan, 2005: Observed cyclone–anticyclone tropopause vortex asymmetries. *J. Atmos. Sci.*, **62**, 231–240.

Hakim, G. J., 2003: Developing wave packets in the North Pacific storm track. *Mon. Wea. Rev.*, **131**, 2824–2837.

Hakim, G. J., C. Snyder, and D. J. Muraki, 2002: A new surface model for cyclone–anticyclone asymmetry. *J. Atmos. Sci.*, **59**, 2405–2420.

Hakim, G. J., 2000: Role of nonmodal growth and nonlinearity in cyclogenesis initial-value problems. *J. Atmos. Sci.*, **57**, 2951–2967.

Hakim, G. J., 2000: Climatology of coherent structures on the extratropical tropopause. *Mon. Wea. Rev.*, **128**, 385–406.

Hakim, G. J., D. Keyser, and L. F. Bosart, 1996: The Ohio Valley wave-merger cyclogenesis event of 25–26 January 1978. Part II: Diagnosis using quasigeostrophic potential vorticity inversion. *Mon. Wea. Rev.*, **124**, 2176–2205.

EDUCATION

Ph.D. Atmospheric Science, University at Albany, May 1997.

M.S. Atmospheric Science, University at Albany, December 1993.

B.S. with honors, Atmospheric Science and Mathematics, University at Albany, May 1990.

HONORS

Annual Teaching Award, Department of Atmospheric Sciences, University of Washington, 2000.

The Father James B. Macelwane Annual Awards in Meteorology, American Meteorological Society, Second Place, 1990 and 1991.

Phi Beta Kappa.

Sigma Xi, Associate Member.

Sigma Pi Sigma (National Honor Society in Physics).