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### PROFESSIONAL EXPERIENCE

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

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

Huntley, H. S., and G. J. Hakim, 2009: 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

Huntley, H. S., and G. J. Hakim, 2009: Assimilation of time-averaged observations in a quasi-geostrophic atmospheric jet model. *Climate Dyn.*, **32**, submitted.

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.

Hakim, G. J., and R. D. Torn, 2008: Ensemble Synoptic Analysis. *Synoptic-Dynamic Meteorology and Weather Analysis and Forecasting: A Tribute to Fred Sanders*, American Meteorological Society, 440 pp. (**invited**).

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

- Chen, C.-C., G. J. Hakim, and D. R. Durran, 2007: Transient mountain waves and their interaction with large scales. *J. Atmos. Sci.*, **64**, 2378-2400.
- 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., and D. Keyser, 2001: Canonical frontal circulation patterns in terms of Green’s functions for the Sawyer–Eliassen equation. *Quart. J. Roy. Meteor. Soc.*, **127**, 1795–1814.
- 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, 1991, Second Place.
- The Father James B. Macelwane Annual Awards in Meteorology, American Meteorological Society, 1990, Second Place.
- Phi Beta Kappa.
- Sigma Xi, Associate Member.

Sigma Pi Sigma (National Honor Society in Physics).