

Publications

Multi-author Books and Reports Edited

K. Hamilton (editor). *Gravity Wave Processes - Their Parameterization in Global Climate Models*, Springer-Verlag, 414 pp. (1997).

L. Gray and K. Hamilton (editors). *Physics of the Equatorial Atmosphere*. Rutherford-Appleton Laboratory. Didcot, UK, 224 pp. (2003).

K. Hamilton and W. Ohfuchi (editors). *High Resolution Numerical Modelling of the Atmosphere and Ocean*. Springer Publishing, 293 pp. (2008).

Refereed Journal Articles

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- [13] K. Hamilton. Quasi-biennial and Other Long Period Variations in the Solar Semidiurnal Barometric Oscillation: Observations, Theory and a Possible Application to the Problem of Monitoring Changes in Global Ozone. *Journal of the Atmospheric Sciences*, **40**, 2432-2443. (1983).
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- [15] K. Hamilton. Evidence for a Normal Mode Kelvin Wave in the Atmosphere. *Journal of the Meteorological Society of Japan*, **62**, 308-311. (1984).
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- [17] K. Hamilton. A Study of the Occurrence of Dynamically Unstable Conditions in the Middle Atmosphere. *Canadian Journal of Physics*, **62**, 963-967. (1984).
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- [97] Y. Kawatani, K. Hamilton and S. Watanabe. The Quasi-biennial Oscillation in a Double CO₂ Climate. *Journal of the Atmospheric Sciences*, **68**, 265-283. (2011).
- [98] C. Zhang, Y. Wang and K. Hamilton. Improved Representation of Boundary Layer Clouds over the Southeast Pacific in WRF-ARW Using a Modified Tiedtke Cumulus Scheme. *Monthly Weather Review*, **139**, 3489-3513. (2011).
- [99] K. Hamilton. Sereno Bishop, Rollo Russell, Bishop's Ring and the Discovery of the "Krakatoa Easterlies". *Atmosphere-Ocean*, **50**, 169-176. (2012).
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- [101] A. Lauer, R. Bennartz, K. Hamilton, and Y. Wang. Modeling the Response of Marine Boundary Layer Clouds to Global Warming: The Impact of Subgrid Scale Precipitation Formation. *Journal of Climate*, in press.
- [102] C. Zhang, Y. Wang, A. Lauer and K. Hamilton. Configuration and Evaluation of the WRF Model for the Study of Hawaiian Regional Climate. *Monthly Weather Review*, in press.

Other Refereed Publications (Book Chapters, Encyclopedia Articles, Meeting Reports....)

- [1] K. Hamilton and W.J. Emery. Regional Atmospheric Forcing of Surface Temperature and Sea Level Variability in the Northeast Pacific Ocean. *El Nino North*, (W. Wooster and D. Fluharty, eds.), Washington Sea Grant Publications, pp. 22-30. (1985).
- [2] K. Hamilton. Modelling Middle Atmosphere Interannual Variability. *Proceedings of the Fifth COSPAR Colloquium* (M. Teague, D. Baker and V. Papitashvili, eds.), Pergamon Press, pp. 751-757. (1994).
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Selected Unrefereed Publications

K. Hamilton. Effects of Atmospheric Tides on the General Circulation of the Stratosphere, Mesosphere and Lower Thermosphere. *Middle Atmosphere Program Handbook*, **2**, 246-255. (1981).

K. Hamilton. Stratospheric Circulation Statistics, NCAR Technical Report TN-191+STR, 174 pp. (1982).

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- K. Hamilton. Comprehensive Modelling of Vertically-Propagating Waves: Opportunities for Comparisons with Observations. *Proceedings of the Workshop on Middle Atmospheric Wind Observations*, (Publication of the Centre National d'Etudes Spatiales, Paris), 4.3-4.15. (1995).
- K. Hamilton. Do Historical "Zero Depth" Hydrographic Data Contain Useful Information on Climate Trends? *Canadian Meteorological and Oceanographic Society Bulletin*, **23**, 6, 6-8. (1995).
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- K. Hamilton. Meteorological Measurements on Ozonesonde Ascents: A Valuable Resource for Stratospheric Climatology. *SPARC Newsletter*, **9**, 23. (1997).
- K. Hamilton. The Role of Parameterized Drag in a Troposphere-Stratosphere-Mesosphere General Circulation Model. *Gravity Wave Processes - Their Parameterization in Global Climate Models*, (K. Hamilton, ed.) Springer-Verlag, 337-350. (1997).
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