

BRIAN DOUGLAS MARTIN

bmartin@aerisllc.com | 561-401-1468 | Tequesta, FL 33469

Publications and Conference Papers

- Martin, B.**, 2007: Model Estimates of Traffic Reduction in Storm Impacted En Route Airspace, *7th AIAA ATIO Conference, Belfast, Ireland, Sep. 18-20, 2007*
- Martin, B.**, and J. Evans, 2006: Results of an Exploratory Study to Develop a Model for Route Availability in En Route Airspace as a Function of Actual Weather Coverage and Type, *Lexington, MA, MIT, Lincoln Laboratory, Project Report NASA/A-7*
- Martin, B.**, J. Evans, and R. DeLaura, 2006: Exploration of a Model Relating Route Availability in En Route Airspace to Actual Weather Coverage Parameters, *12th Conference on Aviation, Range and Aerospace Meteorology, American Meteorological Society, Atlanta, GA*
- Martin, B.D.**, H.E. Fuelberg, N.J. Blake, J.H. Crawford, J.A. Logan, D.R. Blake, and G.W. Sachse, 2002: Long-range transport of Asian outflow to the equatorial Pacific, *J. Geophys. Res.*, *108(D2)*, 8322, doi:10.1029/2001JD001418
- Robinson, M., DeLaura, R., **Martin, B. D.**, Evans, J. E., Weber, M. E., Initial Studies of an Objective Model to Forecast Achievable Airspace Flow Program Throughput from Current and Forecast Weather Information, *89th ARAM Special Symposium on Weather - Air Traffic, Phoenix, AZ, Amer. Meteor. Soc., 2009*
- Welch, J.D., J. Andrews, **B.D. Martin**, E.M. Shank, 2008: Applications of a Macroscopic Model for En Route Sector Capacity, *AIAA GNC, Honolulu, Hawaii, Aug. 18-21, 2008*
- Cho, J.Y.N., and **B.D. Martin**, 2007: Technical Assessment of the Impact of Decommissioning the TDWR on Terminal Weather Services. *MIT Lincoln Laboratory, Lexington, MA, Project Report ATC-331*
- Welch, J.D., J. Andrews, **B. Martin**, B. Sridhar, 2007: Macroscopic Workload Model for Estimating En Route Sector Capacity, *7th Eurocontrol/FAA ATM R&D Seminar ATM-2007, Barcelona, Spain*
- Bieringer P.E., **B. Martin**, J. Morgan, S. Winkler, J. Hurst, J. McGinley, Y. Xie, and S. Albers, 2006: An Assessment of Automated Boundary and Front Detection to Support Convective Initiation Forecasts, *12th Conference on Aviation, Range and Aerospace Meteorology, American Meteorological Society, Atlanta, GA*
- Weber M.E., J. Evans, M. Wolfson, R. DeLaura, B. Moser, **B. Martin**, J. Welch, J. Andrews, and D. Bertsimas, 2006: Improving Air Traffic Management During Thunderstorms, *12th Conference on Aviation, Range and Aerospace Meteorology, AMS, Atlanta, GA*
- Dupree, W., M. Wolfson, R. Johnson Jr., R. Boldi, E. Mann, K. Theriault Calden, C. Wilson, P. Bieringer, **B. Martin**, H. Iskenderian, 2005: FAA Tactical Weather Forecasting in the United States National Airspace, *Toulouse Nowcasting Conference, Toulouse, France*
- Weber, M., J. Evans, M. Wolfson, R. DeLaura, W. Moser, **B. Martin**, D. Bertsimas, J. Welch and J. Andrews, 2005: Improving Air Traffic Management during Thunderstorms, *Digital Avionics System Conference (DASC), Washington, DC*
- Allan, S., R. DeLaura, **B. Martin**, D. Clark and C. Gross, 2004: Advanced Terminal Weather Products Demonstration in New York, *Proceedings of the 11th Conference on Aviation, Range and Aerospace Meteorology, Hyannis, MA*
- Bieringer P.E., **B. Martin**, B. Collins, and J. Shaw, 2004: Commercial Aviation Encounters with Severe Low Altitude Turbulence, *Proceedings of the 11th Conference on Aviation, Range and Aerospace Meteorology, Hyannis, MA*
- Dinunno, B., D. Davis, G. Chen, G. Gregory, B. Anderson, G. Sachse, S. Vay, M. Avery, B. Ridley, M. Carroll, J. Walega, D. Montzka, F. Grahek, J. Bradshaw, S. Sandholm, Y. Knodo, G. Kok, D. Blake, N. Blake, J. Barrick, H. Fuelberg, **B. Martin**, and A. Balok, 2003: Central/Eastern North Pacific Photochemical Precursor Distributions for Fall/Spring Seasons as Defined by Airborne Field Studies, *J. Geophys. Res.*, *108*, 8240
- Fuelberg, H.E., R.E. Newell, D.J. Westberg, J.C. Maloney, J.R. Hannan, **B.D. Martin**, and Y. Zhu, 2001: A Meteorological Overview of the Second Pacific Exploratory Mission in the Tropics, *J. Geophys. Res.*, *106*, 32427-32443