REFERENCES PUBLICATIONS:

Mark L. Morrissey

Book under Contract and in Preparation:

Satellite and Surface Validation: Theory and Methods, J. Wiley & Sons, Textbook for upper level undergraduates and graduates in Meteorology.

Refereed Publications and Book Chapters (56 Total; 24 First Authored, 5 Single Authored)

NOTE: On Leave W/O Pay from the University of Oklahoma from 2004 through 2005 to Coordinate the Pacific Island – Global Climate Observing System in Apia, Samoa


11. Morrissey M., L., 2009: Superposition of the Neyman-Scott Rectangular Pulses Model and the
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Hydrometeorology*, 10, 395-412.

12. Morrissey, M.L. and Greene, J.S. 2009: A theoretical framework for the sampling error variance
for three-dimensional climate averages of ICOADS monthly ship data, *Theoretical and Applied
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54. Wolff, G.T., P.E. Korsog, D.P. Stroup, M.S. Ruthkosky and M.L. Morrissey, 1985: The influence of local and regional sources on the concentration of inhalable particulate matter in


**OTHER PUBLICATIONS (Sample):**

S. Postawko and M.L. Morrissey, “Update of SPaRCE Activities” presented at the 11th Regional Meteorological Service Directors meeting in Noumea, New Caledonia, July 2007


Morrissey, M.L. and J. S. Greene, 1996: WETNET PIP-3 Pacific Atoll Rain gauge Product - Uncertainty Analysis, Environmental Verification and Analysis Center, Norman, OK.


Morrissey, M.L. and S.E. Postawko, 1993: SPaRCE Workbooks #1, Introduction to the SPaRCE program, Siting and maintaining your raingauge, OCS Pub.


Morrissey, M.L. and S.E. Postawko, 1993: SPaRCE Workbooks #3, Climate and climate change, OCS Pub.

Morrissey, M.L. and S.E. Postawko, 1993: SPaRCE Workbooks #4, Regional climate of the Pacific, OCS Pub.

Morrissey, M.L. and S.E. Postawko, 1993: SPaRCE Workbooks #5, Data analysis methods, OCS Pub.


Calibration and Validation. Typically few data sets are available, in the worst case only one, and the model is only validated for these. Solution: If possible collect new data sets. No model is ever a perfect representation of the system. Sensitivity analysis can also be used to check a model’s face validity. Example: In most queueing systems, if the arrival rate of customers were to increase, it would be expected that server utilization, queue length and delays would tend to increase. For large-scale simulation models, there are many input variables and thus possibly many sensitivity tests. Sometimes not possible to perform all of these tests, select the most critical ones.