

Mark L. Morrissey

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EDUCATION:

1986: Ph.D. (Meteorology) The University of Hawaii. Prof Colin Ramage (Comm. Chair)
1981: M.S. (Atmospheric Science) The University of Michigan. 1980: Graduate study (Meteorology) Florida State University.
1979: Undergraduate study (Meteorology) Penn State University.
1978: B.S. (Business Administration) Penn State University.

PRESENT POSITION: Consultant for the NOAA funded project "PACRAIN"

PAST POSITIONS:

-Full Professor in the OU School of Meteorology (now retired)
-Co-Director of the Schools of the Pacific Rainfall Climate Experiment, SPaRCE,
<http://www.evac.ou.edu/sparce/>
-Director of the Comprehensive Pacific Rainfall Data Base Project., <http://www.evac.ou.edu/pacrain/>
-Pacific Island - Global Climate Observing Systems Coordinator, Apia Samoa (2004-2005)
-Coordinator of the Organized the 10th Regional Meteorological Service Director's meeting, April, 2005, Niue

RESEARCH INTERESTS (65 refereed publications):

Research interests are in the fields of tropical meteorology/climatology, satellite remote sensing and mathematical statistics as applied to meteorology/hydrology. Proficient in stochastic method development as applied to meteorological tropical data, stochastic rainfall modeling. Past efforts have included the analysis of tropical ocean surface data sets, such as the Comprehensive Atmosphere Data Set (COADS), the TOGA TAO array of moored optical rain gauges and the existing island and atoll meteorological station data. Developed the Pacific Rainfall Data Base for which is still core funded by NOAA (PACRAIN, <http://pacrain.evac.ou.edu>; PI D Prof. Scott Greene). Investigations include the development and testing of satellite algorithms, the study of physical mechanisms responsible for tropical climate variability, the reliability of existing ocean monitoring systems, the testing of mesoscale hydrologic models, assessments of radar rainfall accuracy, and stochastic rainfall modeling over land and ocean.

EDUCATIONAL INTERESTS AND ACTIVITIES:

Outreach Activities:

Former Co-Director of the Schools of the Pacific Rainfall Climate Experiment (SPaRCE). SPaRCE is an education/research program funded by NOAA, NSF and the Dept. of Energy to both increase the data density throughout the Pacific basin and to educate Pacific Island students about global and regional climate issues. Over 140 Pacific region high schools and technical centers participate.

