

Biographical Sketch: Richard Grotjahn

Professor (upper level) of Atmospheric Science and Climate Dynamics, UC Davis.
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Education:

University of Washington, Seattle, Washington: Atmospheric Science (B.S. cum laude, 1973)
Florida State University, Tallahassee, Florida: Meteorology (M.S. 1975; Ph.D. 1979)

Prior Work Experience (only listed since 2010):

Professor, UCDavis 7/92-6/12, Upper Level Professor, 7/12-present
Visiting Scientist, LASG (Beijing, China) 5/10-6/10

Recent refereed publications relevant to proposal

Grotjahn, R., and G. Faure. 2008: Composite Predictor Maps of Extraordinary Weather Events in the Sacramento California Region. *Wea. and Forecasting*. **23**: 313-335.
doi:10.1175/2007WAF2006055.1

Grotjahn, R., 2011. Identifying extreme hottest days from large scale upper air data: a pilot scheme to find California Central Valley summertime maximum surface temperatures *Climate Dyn.*, 37:587–604 DOI 10.1007/s00382-011-0999-z

Grotjahn, R., 2013. Ability of CCSM4 to simulate California extreme heat conditions from evaluating simulations of the associated large scale upper air pattern *Climate Dyn.* **41**, 1187-1197. DOI: 10.1007/s00382-013-1668-1

Grotjahn, R., 2014. Western North American extreme heat, associated large scale synoptic-dynamics, and performance by a climate model. In: *Dynamics and Predictability of Global and Regional High-Impact Weather and Climate Events*, Cambridge Univ. Press. (Li, Swinbank, **Grotjahn**, and Volkert, editors)

Grotjahn, R. 2008: Different Data, Different General Circulations? A Comparison of Selected Fields in NCEP/DOE AMIP-II and ECMWF ERA-40 Reanalyses. *Dyn. Atmos. and Oceans* **44**:108-142. doi:10.1016/j.dynatmoce.2007.08.001

Synergistic Activities (partial list)

1. Lead author for Chapter 6: Agriculture of The National Climate Assessment (2013)
2. Member of US CLIVAR Predictability, Predictions, and Applications Interface (2010-2012)
3. US CLIVAR Working Group on Extremes (Chair, 2011-present)
4. International Commission on Dynamic Meteorology, IAMAS (member 2005-present, Secretary: 2011-2015, President-elect)
5. Books: *Global Atmospheric Circulations* (1993, Oxford Univ. Press), also Ref 4 above.
6. On editorial Board and editor of 2 special editions *Dynamics of Atmospheres and Oceans*.