

Drought Publications

- Nigam, S., M. Barlow, and E.H. Berbery, 1999: [Pacific decadal SST variability: Impact on U.S. drought and streamflow](#). *Eos, Transactions, AGU*, Vol. 80, 51 (Dec. 21), 621-625.
- Barlow, M., S. Nigam, and E.H. Berbery, 2001: [ENSO, Pacific decadal variability and U.S. summertime precipitation, drought, and streamflow](#). *J. Climate*, 14, 2105-2128.
- Ruiz-Barradas, A., and S. Nigam, 2005: [Warm-season rainfall variability over the US Great Plains in Observations, NCEP and ERA-40 Reanalyses, and NCAR and NASA Atmospheric Model Simulations](#). *J. Climate*, 18, 1808-1830.
- Guan, B., 2008: Pacific sea surface temperatures in the 20th Century: Variability, trend, and connections to long-term hydroclimate variations over the Great Plains. *Doctoral Dissertation* submitted to the University of Maryland Graduate School, November 2008. 116 pp.
- Karnauskas, K. B., A. Ruiz-Barradas, S. Nigam, and A. J. Busalacchi, 2008: [North American droughts in ERA-40 global and North American Regional Reanalysis: A Palmer Drought Severity Index perspective](#). *J. Climate*, 21, 2102-2123.
- Weaver, S.J., and S. Nigam, 2008: [Variability of the Great Plains Low-Level Jet: Large-scale circulation context and hydroclimate impacts](#). *J. Climate*, 20, 1532-1551.
- Weaver, S., A. Ruiz-Barradas, and S. Nigam, 2009: [Pentad evolution of the 1988 drought and 1993 flood over the Great Plains: A NARR Perspective on the atmospheric and terrestrial water balance](#). *J. Climate*, 22, 5366-5384.
- Schubert, S., et al. (including S. Nigam and A. Ruiz-Barradas), 2009: [A USCLIVAR project to assess and compare the responses of global climate models to drought-related SST forcing patterns: Overview and results](#). *J. Climate*, 22, 5251-5272.
- Ruiz-Barradas, A., and S. Nigam 2010: [SST - North American hydroclimate links in AMIP simulations of the Drought Working Group models: A proxy for the idealized drought modeling experiments](#). *J. Climate*, 23, 2585-2598.
- Ruiz-Barradas, A., and S. Nigam 2010: [Great Plains Precipitation and its SST Links in 20th Century Climate Simulations, and 21st and 22nd Century Climate Projections](#). *J. Climate* (in press).
- Nigam, S., Guan, B., and A. Ruiz-Barradas, 2011: Reconstruction of 20th Century North American Droughts Reveals a Key Role for Atlantic Basin Temperatures. (Being readied for submission to the *J. Climate*.)

Supporting Publications

- Ruiz-Barradas, A., and S. Nigam, 2006: [Great Plains hydroclimate variability: The view from North American Regional Reanalysis](#). *J. Climate*, 19, 3004-3010.
- Nigam, S., and A. Ruiz-Barradas, 2006: [Seasonal hydroclimate variability over North America in Global and Regional Reanalyses and AMIP Simulations: Varied representation](#). *J. Climate*, 19, 815-837.
- Ruiz-Barradas, A., and S. Nigam, 2006: [IPCC's Twentieth-Century climate simulations: Varied representations of North American hydroclimate variability](#). *J. Climate*, 19, 4041-4058.
- Guan, B., and S. Nigam, 2008: [Pacific Sea Surface Temperatures in the Twentieth Century: An evolution-centric analysis of variability and trend](#). *J. Climate*, 21, 2790-2809.
- Guan, B., and S. Nigam, 2009: [Analysis of Atlantic SST variability factoring inter-basin links and the secular trend: Clarified structure of the Atlantic Multidecadal Oscillation](#). *J. Climate*, 22, 4228-4240.