

Curriculum Vitae

Sharon E Nicholson

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General Information

University address: Earth, Ocean & Atmospheric Science
College of Arts & Sciences
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Florida State University
Tallahassee, FL 32306-4520

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Professional Preparation

- 1976 Ph.D., University Of Wisconsin. Major: Meteorology. Supervisor: H. Lettau.
- 1972 M.S., University of Wisconsin. Major: Meteorology.
- 1971 B.S. Honors Degree, University of Wisconsin. Major: Meteorology.
- Unspecified Name. (1971). *A Carbon Monoxide Survey for Madison, Wisconsin*. Unpublished bachelor's thesis, University of Wisconsin.

Postdegree Education and Training

- 1974–1976 Special Student, Universität Bonn, West Germany.
- 1966 National Science Foundation Summer Course: Louisiana State University (Marine Biology, Oceanography).
- 1965 National Science Foundation Summer Course: University of Iowa (Meteorology, Geology).

Professional Experience

- 1991–present Professor of Meteorology, Earth, Ocean & Atmospheric Science, Florida State University.

- 1985–1990 Associate Professor of Meteorology, Earth, Ocean, and Atmospheric Science, Florida State University.
- 1979–1985 Adjunct Assistant Professor of Physics, Clark University.
- 1979–1985 Assistant Professor, Graduate School of Geography, Clark University.
- 1977–1979 Research Associate, Department of Environmental Sciences, University of Virginia.
- 1976–1977 Postdoctoral Fellow, Advanced Study Program, National Center for Atmospheric Research, Boulder, CO.
- 1974 CSP Special Analysis Group for GARP Atlantic Tropical Experiment, Dakar, Senegal, University Corporation for Atmospheric Research.
- 1974 Lecturer, Geography Department, University of Wisconsin, Milwaukee.
- 1971–1974 Teaching Assistant (one semester, Research Assistant (six semesters), Department of Meteorology, University of Wisconsin, Madison.
- 1968–1971 Student Employment, University of Wisconsin. Space Science and Engineering, Institute for Environmental Studies, Marine Studies Center, Meteorology.
- 1969 Meteorological Technician, NOAA: Environmental Research Labs Geoacoustics Group (summer employment).
- 1968 Weather Bureau Trainee and Observer, NOAA, Columbus, OH.
- 1967 Weather Bureau Trainee and Observer, NOAA, Columbus, OH.

Language Proficiency

French - fluent in speaking, reading, and writing.

German - fluent in speaking, reading, and writing.

Teaching

Courses Taught

Global Climate System (MET5105)

Master's Seminar (MET5930)

Physical Climatology (MET2101)

Dynamic Climatology (MET5135)
Advanced Topics in Climatology (MET6155)

Doctoral Committee Chair

Koorehpazan, D. A., graduate. (2011).
Koorehpazan Dez, A., doctoral candidate.

Doctoral Committee Member

Preston, A. D., doctoral student.

Master's Committee Chair

Austin, T. L., graduate. (2012).
Gilbert, C. B., student.

Master's Committee Member

Kaeplinger, A., graduate. (2012).
Preston, A. D., graduate. (2012).
Tamurian, Z. N., graduate. (2012).
Pantina, P., graduate. (2011).
Taeger, J. J., graduate. (2010).
Chambers, A. K., graduate. (2008).
Provost, R. S., graduate. (2007).
Campbell, K. L., student.

Research and Original Creative Work

Publications

Refereed Journal Articles

Nicholson, S. E. (submitted). A detailed look at the recent drought situation in the Greater Horn of Africa. *Journal of Arid Environments*. Manuscript submitted for publication.

Nicholson, S. E. (submitted). An analysis of the recent drought situation in eastern Africa. *Weather*. Manuscript submitted for publication.

- Kaufman, D. S., Nicholson, S. E., & PAGES 2k Consortium. (in press). Continental-scale temperature variability over the Common Era. *Nature Geoscience*.
- Dezfuli, A. K., & Nicholson, S. E. (2013). The relationship of interannual variability in western equatorial Africa to the tropical oceans and atmospheric circulation. Part II. The boreal autumn. *Journal of Climate*, *26*(1), 66-84. doi:10.1175/JCLI-D-11-00686.1
- Nicholson, S. E. (2013). The West African Sahel: a review of recent studies on the rainfall regime and its interannual variability. *ISRN Meteorology*, *2013*, 1-32. doi:doi:10.1155/2013/453521
- Nicholson, S. E., Klotter, D., & Chavula, G. (2013). A detailed rainfall climatology for Malawi, Southern Africa. *International Journal of Climatology*, 1-x. doi:10.1002/joc.3687
- Nicholson, S. E., Nash, D. J., Chase, B. M., Grab, S. W., Shanahan, T. M., Asrat, A., Lézine, A.-M., Verschuren, D., & Umer, M. (2013). Temperature variability over Africa during the last 2,000 years. *The Holocene*, 1-x. doi:DOI: 10.1177/0959683613483618
- Nicholson, S. E., & Dezfuli, A. K. (2013). The relationship of interannual variability in western equatorial Africa to the tropical oceans and atmospheric circulation. Part I. The boreal spring. *Journal of Climate*, *26*(1), 45-65. doi:10.1175/JCLI-D-11-00653.1
- Nicholson, S. E., Dezfuli, A. K., & Klotter, D. (2012). A two-century precipitation dataset for the continent of Africa. *Bulletin of the American Meteorological Society*, *93*(8), 1219-1231. doi:10.1175/BAMS-D-11-00212.1
- Nicholson, S. E., Klotter, D., & Dezfuli, A. K. (2012). Spatial reconstruction of semi-quantitative precipitation fields over Africa. *Quaternary Research*, *78*(1), 13-23. doi:10.1016/j.yqres.2012.03.012
- Dezfuli, A. K., & Nicholson, S. E. (2011). A note on long-term variations of the African easterly jet. *International Journal of Climatology*, *31*(13), 2049-2054. doi:10.1002/joc.2209
- Rietker, M., Brovkin, V., van Bodegom, P. M., Claussen, M., Dekker, S. C., Dijkstra, H. A., Gorvachkin, S. V., Kabat, P., van Nes, E. H., Neutel, A.-M., Nicholson, S. E., Nobre, C., Petoukhov, P., Provenzale, A., Scheffer, M., & Seneviratne, S. (2011). Local ecosystem feedbacks and critical transitions in the climate. *Ecological Complexity*, *8*, 223-228.
- Nicholson, S. E. (2010). A low-level jet along the Benguela coast, an integral part of the Benguela current ecosystem. *Climatic Change*, *99*(3-4), 613-624. doi:10.1007/s10584-009-9678-z
- Jackson, B., Nicholson, S. E., & Klotter, D. (2009). Mesoscale convective systems over western equatorial Africa and their relationship to large-scale circulation. *Monthly Weather Review*, *137*(4), 1272-1294. doi:10.1175/2008MWR2525.1

- Nicholson, S. E. (2009). A new picture of the structure of the "monsoon" and land ITCZ over West Africa. *Climate Dynamics*, 32(7-8), 1155-1171. doi:10.1007/s00382-008-0514-3
- Nicholson, S. E. (2009). On the factors modulating the intensity of the tropical rainbelt over West Africa. *International Journal of Climatology*, 29(5), 673-689. doi:10.1002/joc.1702
- Nicholson, S. E., Barcilon, A. I., & Challa, M. (2008). An analysis of West African dynamics using a linearized GCM. *Journal of the Atmospheric Sciences*, 65(4), 1182-1203. doi:10.1175/2007JAS2194.1
- Nicholson, S. E. (2008). The intensity, location and structure of the tropical rainbelt over west Africa as factors in interannual variability. *International Journal of Climatology*, 28(13), 1775-1785. doi:10.1002/joc.1507
- Nicholson, S. E., & Webster, P. J. (2008). A physical basis for the interannual variability of rainfall in the Sahel. *Quarterly Journal of the Royal Meteorological Society*, 133, 2065-2084. doi:10.1002/qj.204
- Balas, N., Nicholson, S. E., & Klotter, D. (2007). The relationship of rainfall variability in West Central Africa to sea-surface temperature fluctuations. *International Journal of Climatology*, 27(10), 1335-1349. doi:10.1002/joc.1456
- Nicholson, S. E., Barcilon, A. I., Challa, M., & Baum, J. (2007). Wave activity on the tropical easterly jet. *Journal of the Atmospheric Sciences*, 64(7), 2756-2763. doi:10.1175/JAS3946.1
- Nicholson, S. E., & Webster, P. J. (2007). A physical basis for the interannual variability of rainfall in the Sahel. *Quarterly Journal of the Royal Meteorological Society*, 133(629), 2065-2084. doi:10.1002/qj.104
- Prince, S. D., Wessels, K. J., Tucker, C. J., & Nicholson, S. E. (2007). Desertification in the Sahel: a reinterpretation of a reinterpretation. *Global Change Biology*, 13, 1308-1313.
- Nicholson, S. E. (2005). On the Question of the "Recovery" of the Rains in the West African Sahel. *Journal of Arid Environments*, 63, 615-641.
- Nicholson, S. E. (2003). Comment on "The South Indian Convergence Zone and interannual rainfall variability over Southern Africa" and the question of ENSO's influence on southern Africa. *Journal of Climate*, 16, 555-562.
- Nicholson, S. E., & Grist, J. P. (2003). On the seasonal evolution of atmospheric circulation over West Africa and Equatorial Africa. *Journal of Climate*, 16(7), 1013-1030. doi:10.1175/1520-0442(2003)016[1013:TSEOTA>2
- Nicholson, S., Some, B., McCollum, J., Nelkin, E., Klotter, D., Berte, Y., Diallo, B., Gaye, I., Kpabeba, G., Ndiaye, O., Noukpozoukou, J., Tanu, M., Thiam, A., Toure, A., & Traore,

- A. (2003). Validation of TRMM and other rainfall estimates with a high-density gauge dataset for West Africa. Part I: Validation of GPCP rainfall product and pre-TRMM satellite and blended products. *Journal of Applied Meteorology*, *42*(10), 1337-1354. doi:10.1175/1520-0450(2003)042[1337:VOTAOR>2
- Nicholson, S., Some, B., McCollum, J., Nelkin, E., Klotter, D., Berte, Y., Diallo, B., Gaye, I., Kpabeba, G., Ndiaye, O., Noukpozoukou, J., Tanu, M., Thiam, A., Toure, A., & Traore, A. (2003). Validation of TRMM and other rainfall estimates with a high-density gauge dataset for West Africa. Part II: Validation of TRMM rainfall products. *Journal of Applied Meteorology*, *42*(10), 1355-1368. doi:10.1175/1520-0450(2003)042[1355:VOTAOR>2
- Grist, J., Nicholson, S., & Barcilon, A. (2002). Easterly waves over Africa. Part II: Observed and modeled contrasts between wet and dry years. *Monthly Weather Review*, *130*(2), 212-225. doi:10.1175/1520-0493(2002)130[0212:EWOAPI>2
- Prospero, J. M., Ginoux, P., Torres, O., & Nicholson, S. E. (2002). Global Soil Dust Sources I: Environmental Characterization. *Journal of Geophysical Research*, *40*(2), 1-31.
- Prospero, J., Ginoux, P., Torres, O., Nicholson, S., & Gill, T. (2002). Environmental characterization of global sources of atmospheric soil dust identified with the Nimbus 7 Total Ozone Mapping Spectrometer (TOMS) absorbing aerosol product. *Reviews of Geophysics*, *40*(1), 1002. doi:10.1029/2000RG000095
- Yin, X., & Nicholson, S. (2002). Interpreting annual rainfall from the levels of Lake Victoria. *Journal of Hydrometeorology*, *3*(4), 406-416. doi:10.1175/1525-7541(2002)003[0406:IARFTL>2
- Ba, M. B., Frouin, R., Nicholson, S. E., & Dedieu, G. (2001). Temporal and spatial variability of surface radiation budget over the African continent as derived from METEOSAT. Part I. Derivation of global solar irradiance and surface albedo. *Journal of Climate*, *14*(1), 45-58. doi:10.1175/1520-0442(2001)014[0045:SDSRBO>2
- Ba, M. B., Nicholson, S. E., & Frouin, R. (2001). Temporal and spatial variability of surface radiation budget over the African continent as derived from METEOSAT. Part II. Temporal and spatial variability of surface global solar irradiance, albedo and net radiation. *Journal of Climate*, *14*(1), 60-76. doi:10.1175/1520-0442(2001)014[0060:SDSRBO>2
- Grist, J., & Nicholson, S. (2001). A study of the dynamic factors influencing the rainfall variability in the West African Sahel. *Journal of Climate*, *14*(7), 1337-1359. doi:10.1175/1520-0442(2001)014[1337:ASOTDF>2

- Nicholson, S. E., Leposo, D., & Grist, J. (2001). On the relationship between El Nino and drought over Botswana. *Journal of Climate*, *14*(3), 323-335. doi:10.1175/1520-0442(2001)014[0323:TRBENO>2
- Nicholson, S. E., & Yin, X. G. (2001). Rainfall conditions in equatorial East Africa during the nineteenth century as inferred from the record of Lake Victoria. *Climatic Change*, *48*(2-3), 387-398. doi:10.1023/A:1010736008362
- Nicholson, S. (2001). A semi-quantitative, regional precipitation data set for studying african climates of the nineteenth century, Part I. Overview of the data set. *Climatic Change*, *50*(3), 317-353. doi:10.1023/A:1010674724320
- Nicholson, S. (2001). Climatic and environmental change in Africa during the last two centuries. *Climate Research*, *17*(2), 123-144. doi:10.3354/cr017123
- Nicholson, S., & Grist, J. (2001). A conceptual model for understanding rainfall variability in the West African Sahel on interannual and interdecadal timescales. *International Journal of Climatology*, *21*(14), 1733-1757. doi:10.1002/joc.648
- Long, M., Entekhabi, D., & Nicholson, S. (2000). Interannual variability in rainfall, water vapor flux, and vertical motion over West Africa. *Journal of Climate*, *13*(21), 3827-3841. doi:10.1175/1520-0442(2000)013[3827:IVIRWV>2
- Nicholson, S. E. (2000). Land Surface Processes and Sahel Climate. *Reviews of Geophysics*, *38*, 117-139.
- Nicholson, S. E., Some, B., & Kone, B. (2000). A note on recent rainfall conditions in West Africa, including the rainy season of the 1997 ENSO year. *Journal of Climate*, *13*(14), 2628-2640. doi:10.1175/1520-0442(2000)013[2628:AAORRC>2
- Nicholson, S. (2000). The nature of rainfall variability over Africa on time scales of decades to millenia. *Global and Planetary Change*, *26*(1-3), 137-158. doi:10.1016/S0921-8181(00)00040-0
- Nicholson, S., & Selato, J. (2000). The influence of La Nina on African rainfall. *International Journal of Climatology*, *20*(14), 1761-1776. doi:10.1002/1097-0088(20001130)20:14[1761::A
- Nicholson, S., Yin, X., & Ba, M. (2000). On the feasibility of using a lake water balance model to infer rainfall: an example from Lake Victoria. *Hydrological Sciences Journal*, *45*(1), 75-95. doi:10.1080/02626660009492307
- Yin, X., & Nicholson, S. (2000). On the diurnal cycle of cloudiness over Lake Victoria and its influence on evaporation from the lake. *Hydrological Sciences Journal-Journal Des Sciences Hydrologiques*, *45*(3), 407-424. doi:10.1080/02626660009492338

- Nicholson, S. E., & Yin, X. (1999). Response to comment on "The water balance of Lake Victoria", by J. V. Sutcliffe. *Hydrological Sciences Journal*, 44(5), 836-837. doi:10.1080/02626669909492278
- Nicholson, S. (1999). Historical and modern fluctuations of Lakes Tanganyika and Rukwa and their relationship to rainfall variability. *Climatic Change*, 41(1), 53-71. doi:10.1023/A:1005424619718
- Ogallo, L. A., Mason, S. J., King'uyu, S. M., Nicholson, S. E., Nyenzi, B. S., Matari, E., & Mimmack, G. M. (1999). Indices and indicators of climate extremes in Africa. *Journal of the African Meteorological Society*, 4, 17-29.
- Tucker, C. J., & Nicholson, S. E. (1999). Variations in the Size of the Sahara Desert from 1980 to 1997. *Ambio*, 28(7), 587-591.
- Ba, M. B., & Nicholson, S. E. (1998). Analysis of convective activity and its relationship to the rainfall over the Rift Valley lakes of East Africa during 1983-1990 using the METEOSAT infrared channel. *Journal of Climate and Applied Meteorology*, 37(10), 1250-1264. doi:10.1175/1520-0450(1998)037[1250:AOCFAI]2
- Nicholson, S., Tucker, C., & Ba, M. (1998). Desertification, drought, and surface vegetation: An example from the West African Sahel. *Bulletin of the American Meteorological Society*, 79(5), 815-829. doi:10.1175/1520-0477(1998)079[0815:DDASVA]2
- Yin, X., & Nicholson, S. (1998). The water balance of Lake Victoria. *Hydrological Sciences Journal-Journal Des Sciences Hydrologiques*, 43(5), 789-811. doi:10.1080/02626669809492173
- Ba, M. B., Dedieu, G., Kerr, H., Nicholson, S. E., & Lecocq, J. (1997). Reduction of bidirectional effects on NOAA/AVHRR data acquired during HAPEX-SAHEL Experiment. *Journal of Hydrology*, 188-189, 749-778.
- Grist, J., Nicholson, S. E., & Mpolokang, A. (1997). On the use of NDVI for estimating rainfall fields in the Kalahari of Botswana. *Journal of Arid Environments*, 35, 195-214.
- Nicholson, S. E., & Kim, J. (1997). The Relationship of the El-Nino Southern Oscillation to African Rainfall. *International Journal of Climatology*, 17, 117-135.
- Nicholson, S. E., Kim, J., Ba, M. B., & Lare, A. R. (1997). The mean surface water balance over Africa and its interannual variability. *Journal of Climate*, 10(12), 2981-3002. doi:10.1175/1520-0442(1997)010[2981:TMSWBO]2
- Nicholson, S. E., Marengo, J. A., Kim, J., Lare, A. R., Galle, S., & Kerr, Y. (1997). A daily resolution Evapoclimatology model applied to surface energy and water balance calculations at the HAPEX-Sahel supersites. *Journal of Hydrology*, 188-189, 946-964.

- Nicholson, S. (1997). An analysis of the ENSO signal in the tropical Atlantic and western Indian Oceans. *International Journal of Climatology*, 17(4), 345-375.
doi:10.1002/(SICI)1097-0088(19970330)17:4<34
- Nicholson, S., & Kim, E. (1997). The relationship of the El Nino Southern oscillation to African rainfall. *International Journal of Climatology*, 17(2), 117-135.
doi:10.1002/(SICI)1097-0088(199702)17:2<117
- N'Tchayi Mbourou, G., Bertrand, J. J., & Nicholson, S. E. (1997). The diurnal and seasonal cycles of desert dust over Africa north of the equator. *Journal of Applied Meteorology*, 36(7), 868-882. doi:10.1175/1520-0450(1997)036<0868:TDASCO>2
- Marengo, J. A., Nicholson, S. E., Lare, A. R., Monteny, B. A., & Galle, S. (1996). Application of evapoclimatology to monthly surface water balance calculations at the HAPEX-Sahel supersites. *Journal of Applied Meteorology*, 35(4), 562-573.
doi:10.1175/1520-0450(1996)035<0562:AOETMS>2
- Nicholson, S. E., Ba, M. B., & Kim, J. Y. (1996). Rainfall in the Sahel during 1994. *Journal of Climate*, 9(7), 1673-1676. doi:10.1175/1520-0442(1996)009<1673:RITSD>2
- Nicholson, S. E., Lare, A. R., Marengo, J. A., & Santos, P. (1996). A revised version of Lettau's evapoclimatology model. *Journal of Applied Meteorology*, 35(4), 549-561.
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- Ba, M. B., Frouin, R., & Nicholson, S. E. (1995). Satellite-Derived Interannual Variability of West-African Rainfall during 1983-88. *Journal of Applied Meteorology*, 34(2), 411-431.
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- Farrar, T. J., Nicholson, S. E., & Lare, A. R. (1994). The influence of soil type on the relationships between NDVI, rainfall and soil moisture in semi-arid Botswana. Part II. Response to soil moisture. *Remote Sensing of Environment*, 50, 121-133.
- Lare, A. R., & Nicholson, S. E. (1994). Contrasting Conditions of Surface-Water Balance in Wet Years and Dry Years as a Possible Land-Surface Atmosphere Feedback Mechanism in the West-African Sahel. *Journal of Climate*, 7(5), 653-668.
doi:10.1175/1520-0442(1994)007<0653:CCOSWB>2
- Nicholson, S. E. (1994). Recent rainfall fluctuations in Africa and their relationships to past conditions over the continent. *The Holocene*, 4, 121-131.
- Nicholson, S. E., & Farrar, T. J. (1994). The influence of soil type on the relationships between NDVI, rainfall and soil moisture in semi-arid Botswana. Part I. Response to rainfall. *Remote Sensing of Environment*, 50, 107-120.

- Davenport, M., & Nicholson, S. E. (1993). On the relationship between rainfall and the Normalized Difference Vegetation Index for diverse vegetation types in East Africa. *International Journal of Remote Sensing*, *14*, 2369-2389.
- Nicholson, S. E. (1993). An overview of African rainfall fluctuations of the last decade. *Journal of Climate*, *6*(7), 1463-1466. doi:10.1175/1520-0442(1993)006[1463:AOOARF>2
- Nicholson, S. E., & Palao, I. M. (1993). A re-evaluation of rainfall variability in the Sahel. Part I. Characteristics of rainfall fluctuations. *International Journal of Climatology*, *13*(4), 371-389. doi:10.1002/joc.3370130403
- Nicholson, S. E. (1992). Prediction of Trace Gas Emissions and Their Climatic Impacts: Some Geographical Considerations. *Ecological Bulletins*, *42*, 12-23.
- Lare, A. R., & Nicholson, S. E. (1990). A climatonic description of the surface energy balance in the central Sahel. Part I. Shortwave radiation. *Journal of Applied Meteorology*, *29*(2), 123-137. doi:10.1175/1520-0450(1990)029[0123:ACDOTS>2
- Malo, A., & Nicholson, S. E. (1990). A study of rainfall and vegetation dynamics in the African Sahel using Normalized Difference Vegetation Index. *Journal of Arid Environments*, *19*, 1-24.
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- Nicholson, S. E., & Nyenzi, B. S. (1990). Temporal and Spatial Variability of SSTs in the Tropical Atlantic and Indian Oceans. *Archives for Meteorology, Geophysics and Bioclimatology, Series A*, *42*(1), 1-17. doi:10.1007/BF01030575
- Nicholson, S. E. (1989). Long-term changes in African rainfall. *Weather*, *44*, 47-56.
- Nicholson, S. E. (1989). Remote-Sensing of Land Surface Parameters. *Progress in Physical Geography*, *13*(1), 1-12. doi:10.1177/030913338901300101
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doi:10.1177/030913338801200102
- Nicholson, S. E., & Entekhabi, D. E. (1988). Reply to L. Druyan, Comments on "Rainfall Variability in Equatorial and Southern Africa: Relationships with Sea Surface Temperatures along the Southwestern Coast of Africa". *Journal of Climate*, 1(5), 570.
- Nicholson, S. E., & Entekhabi, D. (1987). Rainfall Variability in Equatorial and Southern-Africa: Relationships with Sea-Surface Temperatures Along the Southwestern Coast of Africa. *Journal of Climate and Applied Meteorology*, 26(5), 561-578.
doi:10.1175/1520-0450(1987)026[0561:RVIEAS>2
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- Nicholson, S. E. (1986). The Spatial Coherence of African Rainfall Anomalies: Interhemispheric Teleconnections. *Journal of Climate and Applied Meteorology*, 25(10), 1365-1381.
doi:10.1175/1520-0450(1986)025[1365:TSCOAR>2
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- Nicholson, S. E. (1985). Sub-Saharan Rainfall 1981-84. *Journal of Climate and Applied Meteorology*, 24(12), 1388-1391. doi:10.1175/1520-0450(1985)024[1388:SSR>2.0.
- NICHOLSON, S. (1983). Sub-Saharan Rainfall in the Years 1976-80: Evidence of Continued Drought. *Monthly Weather Review*, 111(8), 1646-1654.
doi:10.1175/1520-0493(1983)111[1646:SSRITY>2
- Nicholson, S. E. (1982). Pleistocene and Holocene Climates in Africa. *Nature*, 296(5859), 779.
doi:10.1038/296779a0
- Nicholson, S. E. (1981). Rainfall and Atmospheric Circulation during Drought Periods and Wetter Years in West-Africa. *Monthly Weather Review*, 109(10), 2191-2208.
doi:10.1175/1520-0493(1981)109[2191:RAACDD>2
- Nicholson, S. E. (1980). The Nature of Rainfall Fluctuations in Sub-Tropical West-Africa. *Monthly Weather Review*, 108(4), 473-487.
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- Nicholson, S. E., & Flohn, H. (1980). African Environmental and Climatic Changes and the General Atmospheric Circulation in Late Pleistocene and Holocene. *Climatic Change*, 2(4), 313-348. doi:10.1007/BF00137203

- Nicholson, S. E. (1979). Revised Rainfall Series for the West African Subtropics. *Monthly Weather Review*, 107(5), 620-623. doi:10.1175/1520-0493(1979)107[0620:RRSFTW>2
- Nicholson, S. E. (1979). Statistical typing of rainfall anomalies in sub-Saharan Africa. *Erdkunde*, 33, 95-103.
- Nicholson, S. E. (1979). The Methodology of Historical Climate Reconstruction and Its Application to Africa. *The Journal of African History*, 20(1), 31-49.
- Nicholson, S. E. (1978). Climatic variations in the Sahel and other African regions during the past five centuries. *Journal of Arid Environments*, 1, 3-24.
- Nicholson, S. E. (1975). A Pollution Model for Street-Level Air. *Atmospheric Environment*, 9(1), 19-31. doi:10.1016/0004-6981(75)90051-7

Refereed Books

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Refereed Book Chapters

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