Literatur

American Meteorological Society, 1983:
Policy statement of the American Meteorological Society on weather forecasting. Bull. Am. Meteorol. Soc., **64**, 1385-1387.

Anderson, J., H. M. van den Dool, A. G. Barnston, W. Chen, W. Stern and J. Ploshay, 1999:
Present-day capabilities of numerical and statistical models for atmospheric extratropical seasonal simulation and prediction. Bull. Am. Meteorol. Soc., **80**, 1349-1361.

Bagrov, N. A., 1993:
Long-term weather forecasts. Russ. Meteorol. Hydrol., No. 3, 9-19.

Balling, R. C., Jr., 1984:
Classification in climatology. Spatial Statistics and Modells, G. L. Gaile and C. J. Willmott (Eds.), Reidel, 81-108.

Balzer, K., 1979:
Der Entscheidungsbaum, eine neue Möglichkeit der statistischen Wettervorhersage. Z. für Meteorol., **29**, 16-23.

Balzer, K., 1989:
Statistische Vorhersage seltener Ereignisse und die Macht des Zufalls. Z. für Meteorol., **39**, 30-35.

Balzer, K., 1995:
Automatische Wettervorhersage mittels statistischer Interpretation. Promet, **24**(4), 110-118.

Balzer, K., W. Enke und W. Wehry, 1998:
Wettervorhersage: Mensch und Computer – Daten und Modelle. Springer-Verlag Berlin, Heidelberg, New York.

Barnett, T. P. and R. W. Preisendorfer, 1978:
Multifield analog prediction of short-term climate fluctuations using a climate state vector. J. Atmos. Sci., **35**, 1771-1787.

Barnston, A. G., 1994:
Linear statistical short-term climate predictive skill in the northern hemisphere. J. Climate, **7**, 1513-1564.

Barnston, A. G. and R. E. Livezey, 1989a:
Operational multifield analog/antianalog prediction system for United States seasonal temperatures, Pt. 2, Spring, summer, fall, and intermediate 3-month period experiments. J. Climate, **2**, 513-541.

Barnston, A. G. and R. E. Livezey, 1989b:
A closer look at the effect of the 11-year solar cycle and the Quasi-Biennial Oscillation on northern hemisphere 700 mb height and extratropical North American surface temperature. J. Climate, **2**, 1295-1313.

Barnston, A. G. and R. E. Livezey, 1991:
Statistical prediction of January-February mean northern hemisphere lower tropospheric climate from the 11-year solar cycle and the Southern Oscillation for west and east QBO phases. J. Climate, **4**, 249-262.

Barnston, A. G., H. M. van den Dool, S. E. Zebiak, T. P. Barnett, M. Ji, D. R. Rodenhuis, M. A. Cane, A. Leetmaa, N. E. Graham, C. R. Ropelewski, V. E. Kousky, E. A. O'Lenic and R. E. Livezey, 1994:
Long-lead seasonal forecasts: Where do we stand? Bull. Am. Meteorol. Soc., **75**, 2097-2114.

Batyreva, O. V., R. M. Vilfand and N. I. Rudicheva, 1994:
Forecast of monthly air temperature anomaly using canonical correlation and automatic classification. Russ. Meteorol. Hydrol., No. 12, 10-16.

Batyreva, O. V., R. M. Vilfand, L. E. Lukiyanova and V. A. Tishchenko, 1995:
Forecast of air temperature anomaly variations within a month for European Russia and Western Siberia. Russ. Meteorol. Hydrol., No. 12, 13-22.

Berliner Wetterkarte, 1961-1998:
Klimatologische Übersicht (KEU) I-XII, Institut für Meteorologie, Freie Universität Berlin.

Bergen, R. E. and R. P. Harnack, 1982:
Long-range temperature prediction using a simple analog approach. Mon. Wea. Rev., **110**, 1083-1099.

Böhm, U., 1999:
Eine Methode zur Validierung von Klimamodellen für die Klimawirkungsforschung hinsichtlich der Wiedergabe extremer Ereignisse. Dissertation, Freie Universität Berlin.

Branković, Č. and T. N. Palmer, 1997:
Atmospheric seasonal predictability and estimates of ensemble size. Mon. Wea. Rev., **125**, 859-874.

Cannon, A. J. and I. G. McKendry, 1999:
Forecasting all-India summer monsoon rainfall, using regional circulation principal components: a comparison between neural network and multiple regression models. Int. J. Climatol., **19**, 1561-1578.

Carson, D. J., 1998:
Seasonal forecasting. Q. J. R. Meteorol. Soc., **124**, 1-26.

Chuvashina, I. E. and V. G. Margasova, 1997:
Long-term forecast of five-day air temperature variations during the natural synoptic seasons. Russ. Meteorol. Hydrol., No. 2, 1-7.

Colman, A. W., 1997:
Prediction of summer central England temperature from preceding North Atlantic winter sea surface temperature. Int. J. Climatol., **17**, 1285-1300.

Colman, A. W. and M. K. Davey, 1999:
Prediction of summer temperature, rainfall and pressure in Europe from preceding winter North Atlantic ocean temperature. Int. J. Climatol., **19**, 513-536.

Davies, J. R., D. P. Rowell and C. K. Folland, 1997:
North Atlantic and European seasonal predictability using an ensemble of multidecadal atmospheric GCM simulations. Int. J. Climatol., **17**, 1263-1284.

Dettmann, R., 2000:
Statistische Auswertung nordhemisphärischer Druckfelder zur langfristigen Temperaturprognose für Berlin. Dissertation, Freie Universität Berlin.

Deutschländer, T., 1996:
Untersuchungen zur Häufigkeitsverteilung und zu den fühlbaren Temperaturen der Luftmassen in Berlin-Dahlem in den Jahren 1971-1995. Diplomarbeit, Freie Universität Berlin.

Dommenget, D. and M. Latif, 2000:
A cautionary note on the interpretation of EOFs. MPI für Meteorologie, Hamburg.

Enke, W., 1988:
Ein erwartungstreues lineares Selbstorganisationsmodell. Z. für Meteorol., **38**, 308-314.

Fahrmeir, L. und A. Hamerle, 1984:
Multivariate statistische Verfahren. Walter de Gruyter, Berlin und New York.

Fechner, H., 1983:
Empirische Orthogonalfunktionen. Promet, **13**(1/2), 41-47.

Feldstein, S. B., 2000:
The timescale, power spectra, and climate noise properties of teleconnection patterns. J. Climate, **13**, 4430-4440.

Fennessy, M. J. and J. Shukla, 2000:
Seasonal prediction over North America with a regional model. J. Climate, **13**, 2605-2627.

Fleer, H., 1983:
Das Kreuzspektrum. Promet, **13**(1/2), 30-34.

Folland, C. K., A. W. Colman, D. P. Rowell and M. K. Davey, 2001:
Predictability of northeast Brazil rainfall and real-time forecast skill, 1987-98. J. Climate, **14**, 1937-1958.

Fovell, R. G. and M. C. Fovell, 1993:
Climate zones of the conterminous United States defined using cluster analysis. J. Climate, **6**, 2103-2135.

Fraedrich, K., 1994:
An ENSO impact on Europe? A review. Tellus, **46A**, 541-552.

Fraedrich, K. and K. Müller, 1992:
Climate anomalies in Europe associated with ENSO extremes. Int. J. Climatol., **12**, 25-31.

Gebert, M., 2000:
Versuch einer Anpassung der Temperatur- und Windreihe der Station Botanischer Garten an die Dahlemer Meßreihe. Diplomarbeit, Freie Universität Berlin.

Golubev, V. Y., 1983:
Automating data preparation for monthly weather forecasts. Russ. Meteorol. Hydrol., No. 4, 39-43.

Gruza, G. V., L. K. Kleshenko and E. Y. Rankova, 1981:
Using an automated group-analog scheme to forecast monthly average air temperatures over the northern hemisphere. Russ. Meteorol. Hydrol., No. 2, 19-27.

Gruza, G. V. and E. Y. Rankova, 1981:
Use of analogs for predictability estimation and long-term forecasting of monthly average air temperature fields. Russ. Meteorol. Hydrol., No. 1, 7-14.

Gruza, G. V. and E. Y. Rankova, 1993:
Potential predictability assessment for analog long-term forecasting. Russ. Meteorol. Hydrol., No. 9, 1-7.

Horel, J. D. and J. M. Wallace, 1981:
Planetary-scale atmospheric phenomena associated with the Southern Oscillation. Mon. Wea. Rev., **109**, 813-829.

Hsieh, W. W., 2001:
Nonlinear canonical correlation analysis of the tropical Pacific climate variability using a neural network approach. J. Climate, **14**, 2528-2539.

Huang, J., H. M. van den Dool and A. G. Barnston, 1996a:
Long-lead seasonal temperature prediction using optimal climate normals. J. Climate, **9**, 809-817.

Huang, J., H. M. van den Dool and K. P. Georgakakos, 1996b:
Analysis of model-calculated soil moisture over the United States (1931-1993) and applications to long-range temperature forecasts. J. Climate, **9**, 1350-1362.

Johansson, Å., A. G. Barnston, S. Saha and H. M. van den Dool, 1998:
On the level and origin of seasonal forecast skill in northern Europe. J. Atmos. Sci., **55**, 103-127.

Kalkstein, L. S., G. Tan and J. A. Skindlov, 1987:
An evaluation of three clustering procedures for use in synoptic climatological classification. J. Clim. Appl. Meteorol., **26**, 717-730.

Kharin, V. V. and F. W. Zwiers, 2002:
Climate predictions with multimodel ensembles. J. Climate, **15**, 793-799.

Krishnamurti, T. N., C. M. Kishtawal, Z. Zhang, T. LaRow, D. Bachiochi, E. Williford, S. Gadgil and S. Surendran, 2000:
Multimodel ensemble forecasts for weather and seasonal climate. J. Climate, **13**, 4196-4216.

Kuglin, R., 1992:
Prognose der Hochwintertemperaturen für Berlin. Diplomarbeit, Freie Universität Berlin.

Kumar, A., A. G. Barnston and M. P. Hoerling, 2001:
Seasonal predictions, probabilistic verifications, and ensemble size. J. Climate, **14**, 1671-1676.

Landman, W. A. and S. J. Mason, 1999:
Operational long-lead prediction of South African rainfall using canonical correlation analysis. Int. J. Climatol., **19**, 1073-1090.

Livezey, R. E., 1990:
Variability of skill of long-range forecasts and implications for their use and value. Bull. Am. Meteorol. Soc., **71**, 300-309.

Livezey, R. E. and S. W. Jamison, 1977:
Skill analysis of Soviet seasonal weather forecasts. Mon. Wea. Rev., **105**, 1491-1500.

Livezey, R. E. and A. G. Barnston, 1988:
Operational multifield analog/antianalog prediction system for United States seasonal temperatures, Pt. 1, System design and winter experiments. J. Geophys. Res., **93**, 10953-10974.

Livezey, R. E., A. G. Barnston and B. K. Neumeister, 1990:
Mixed analog/persistence prediction of seasonal mean temperatures for the USA. Int. J. Climatol., **10**, 329-340.

Lloyd-Hughes, B. and M. A. Saunders, 2002:
Seasonal prediction of European spring precipitation from El Niño-Southern Oscillation and local sea-surface temperatures. Int. J. Climatol., **22**, 1-14.

Lorenz, E. N., 1993:
The Essence of Chaos. University of Washington Press, Seattle.

Madden, R. A., 1976:
Estimates of the natural variability of time-averaged sea-level pressure. Mon. Wea. Rev., **104**, 942-952.

Madden, R. A. and D. J. Shea, 1978:
Estimates of the natural variability of time-averaged temperatures over the United States. Mon. Wea. Rev., **106**, 1695-1703.

Malberg, H., 1999:
Bauernregeln aus meteorologischer Sicht. 3., erw. Aufl., Springer-Verlag Berlin, Heidelberg, New York.

Malberg, H. und R. Kuglin, 1992:
Prognose der Monatsmitteltemperaturen für Berlin. Beilage zur Berliner Wetterkarte, SO 22/92 vom 08.10.1992, Amtsblatt des Instituts für Meteorologie der Freien Universität Berlin.

Malberg, H. und G. Bökens, 1997:
Die Winter- und Sommertemperaturen in Berlin seit 1929 und ihr Zusammenhang mit der Nordatlantischen Oszillation (NAO). Meteorol. Z., **6**, 230-234.

Martineu, C., J.-Y. Carneill and R. Sadourny, 1999:
Potential predictability of European winters from the analysis of seasonal simulations with an AGCM. J. Climate, **12**, 3033-3061.

Michaelsen, J., 1987:
Cross-Validation in statistical climate forecast models. J. Clim. Appl. Meteorol., **26**, 1589-1600.

Mimmack, G. M., S. J. Mason and J. S. Galpin, 2001:
Choice of distance matrices in cluster analysis; defining regions. J. Climate, **14**, 2790-2797.

Mosteller, F. and J. W. Tukey, 1977:
Data Analysis and Regression. Addison-Wesley Publishing Company, Reading, Menlo Park, London, Amsterdam, Don Mills, Sydney.

Névir, P. und S. Brand, 2002:
Wenn Energie und Wirbelgrößen sich verbinden...- Ein dynamischer Wetter- und Klima-Zustandsindex. Der belebte Planet, M. Böse und H. Keupp (Hrsg.), Fachbereich Geowissenschaften, Freie Universität Berlin, 118-125.

Nicholls, N., 1980:
Long-range weather forecasting: Value, status, and prospects. Rev. Geophys. Space Phys., **18**, 771-788.

Ott, W., 1978:
Methoden der spektralen Korrelationsanalyse. Diplomarbeit, Freie Universität Berlin.

Palmer, T. N. and D. L. T. Anderson, 1994:
The prospects for seasonal forecasting: a review paper. Q. J. R. Meteorol. Soc., **120**, 755-793.

Preisendorfer, R. W., 1988:
Principal Components Analysis in Meteorology and Oceanography. C. D. Mobley (Ed.), Elsevier, Amsterdam.

Riemer, K. H., 1973:
Tägliche Niederschlagsmengen, Monats- und Jahressummen des Niederschlags und maximale Tagesmengen des Niederschlags von Berlin-Dahlem ab April 1908. Beilage zur Berliner Wetterkarte, SO 28/73 vom 27.09.1973, Amtsblatt des Instituts für Meteorologie der Freien Universität Berlin.

Riemer, K. H., 1976:
Klimatagesmittel-, Monats- und Jahresmitteltemperaturen einschließlich der Kältesummen von Berlin-Dahlem ab April 1908. Beilage zur Berliner Wetterkarte, SO 18/76 vom 11.06.1976, Amtsblatt des Instituts für Meteorologie der Freien Universität Berlin.

Roads, J. O., B. Brockel and E. Raschke, 2001a:
Evaluation of ECPC's seasonal forecasts over the Baltex region and Europe. Meteorol. Z., **10**, 283-294.

Roads, J. O., S.-C. Chen and F. Fujioka, 2001b:
ECPC's weekly to seasonal global forecasts. Bull. Am. Meteorol. Soc., **82**, 639-658.

Röder, W., 2001:
Die Beurteilung der wissenschaftlichen Leistung mittels Reduktion der Varianz. Beilage zur Berliner Wetterkarte, SO 23/01 vom 15.05.2001, Amtsblatt des Instituts für Meteorologie der Freien Universität Berlin.

Rodionov, S. and R. Assel, 2000:
Atmospheric teleconnection patterns and severity of winters in the Laurentian Great Lakes basin. Atmosphere-Ocean, **38**, 601-635.

Ropelewski, C. F. and M. S. Halpert, 1986:
North American precipitation and temperature patterns associated with the El Niño/Southern Oscillation (ENSO). Mon. Wea. Rev., **114**, 2352-2362.

Sachs, L., 1997:
Angewandte Statistik. 8., völlig neu bearb. und erw. Aufl., Springer-Verlag, Berlin, Heidelberg, New York.

Schönwiese, C.-D., 1992:
Praktische Statistik für Meteorologen und Geowissenschaftler. 2., verbesserte Aufl., Bornträger, Berlin und Stuttgart.

Shabbar, A. and A. G. Barnston, 1996:
Skill of seasonal climate forecasts in Canada using canonical correlation analysis. Mon. Wea. Rev., **124**, 2370-2385.

Silverman, D. and J. A. Dracup, 2000:
Artificial neural networks and long-range precipitation in California. J. Appl. Meteorol., **39**, 57-66.

Stefanova, L. and T. N. Krishnamurti, 2002:
Interpretation of seasonal climate forecast using Brier Skill Score, The Florida State University Superensemble, and the AMIP-I Dataset. J. Climate, **15**, 537-544.

Stephenson, D. B., V. Pavan and R. Bojariu, 2000:
Is the NAO a random walk? Int. J. Climatol., **20**, 1-18.

Stockdale, T. N., D. L. T. Anderson, J. O. S. Alves and M. A. Balmaseda, 1998:
Global seasonal rainfall forecasts using a coupled ocean-atmosphere model. Nature, **392**, 370-373.

Taubenheim, J., 1969:
Statistische Auswertung geophysikalischer und meteorologischer Daten. Akademische Verlagsgesellschaft Geest & Portig K.-G. Leipzig.

Trenberth, K. E. and D. A. Paolino, Jr., 1980:
The northern hemisphere sea-level pressure data set: Trends, errors and discontinuities. Mon. Wea. Rev., **108**, 855-872.

Unger, D. A., 2000:
Forecasts of surface temperature and precipitation anomalies over the U. S. using screening multiple linear regression. Experimental Long-Lead Forecast Bulletin, **Vol. 9**, No. 3, B. Kirtman (Ed.), Center for Ocean-Land-Atmosphere Studies, Calverton, 61-65.

Van den Dool, H. M., 1994:
Searching for analogues, how long must we wait? Tellus, **46A**, 314-324.

Van Loon, H. and K. Labitzke, 1988:
Association between the 11-year solar cycle, the QBO, and the atmosphere. Part II: Surface and 700 mb in the northern hemisphere in winter. J. Climate, **1**, 905-920.

Vautard, R., C. Pires and G. Plaut, 1996:
Long-range atmospheric predictability using space-time principal components. Mon. Wea. Rev., **124**, 288-307.

Vautard, R., G. Plaut, R. Wang and G. Brunet, 1999:
Seasonal prediction of North American surface air temperature using space-time principal components. J. Climate, **12**, 380-394.

Vilfand, R. M. and N. I. Rudicheva, 1993:
Application of canonical correlation to temperature anomaly forecasting. Russ. Meteorol. Hydrol., No. 6, 27-31.

Wilks, D. S., 1995:
Statistical Methods in the Atmospheric Sciences. Academic Press, San Diego.

Wilks, D. S., 1996:
Statistical significance of long-range "optimal climate normal" temperature and precipitation forecasts. J. Climate, **9**, 827-839.

Wilks, D. S., 2000a:
Diagnostic verification of the Climate Prediction Center long-lead outlooks, 1995-98. J. Climate, **13**, 2389-2403.

Wilks, D. S., 2000b:
On interpretation of probabilistic climate forecasts. J. Climate, **13**, 1965-1971.

Yuval, 2000:
Neural network training for prediction of climatological time series, regularized by minimization of the generalized cross-validation function. Mon. Wea. Rev., **128**, 1456-1473.