

Verification of Seasonal Climate Prediction with
the NCEP Seasonal Forecast GCM in 2001/2002

J. E. Schemm, A. Kumar and M. Kanamitsu
Climate Prediction Center, NCEP/NWS/NOAA
Camp Springs, MD, USA

Since April 2000, a new dynamical prediction system has been instituted in support of CPC's long-lead monthly and seasonal climate outlooks and the system has become part of the NCEP operational production suite in November, 2001.

The new system utilizes an atmospheric GCM which is a revised version of the NCEP/NCAR Reanalysis model with improved physics and more comprehensive land surface processes incorporated. A suite of 7-month prediction runs are made for each month. The suite include 10-member ensemble runs of past cases for 1979-1999 period and 20-member ensemble forecast runs initialized with the NCEP operational analysis. The past cases provide basis for the model climatology, systematic errors and skill evaluations.

Details of the GCM systematic error characteristics and skill evaluation will be presented at the workshop in addition to the assessment of the GCM prediction for 2001/2002 period.