

## **Applications of BCC\_AGCM2.2 Model in Extended Range Forecast**

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The dynamical extended range forecast system has been developed by using the new generation of Atmospheric General Circulation Model (BCC\_AGCM2.2) of Beijing Climate Center. The model equations are formulated in a horizontal T106 spectral resolution (approximately 110KM) and a terrain-following hybrid vertical coordinate with 26 levels. 29yr (1981-2010) hindcast experiments and the real time prediction test run have been undertaken. The authors gave an evaluation of the model's skill in capturing the main features of global atmospheric circulations and East Asian summer monsoon. The predictable skill of air surface temperature and precipitation over China are also discussed.