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Simulations of the Madden–Julian Oscillation in the National Centers for Environmental Prediction Community Climate Model**YANG, CHANGHOON, AND YUN, INHO**
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ABSTRACT
The Madden–Julian oscillation (MJO) is simulated in the National Centers for Environmental Prediction (NCEP) Community Climate Model (CCM3) using the observed sea surface temperature (SST) as a boundary condition. The MJO is characterized by the eastward propagation of an equatorial convection anomaly with a period of approximately 35 days. The MJO is simulated well in the NCEP CCM3, but there are some differences between the observed and simulated MJO.

KEY WORDS: Madden–Julian oscillation; sea surface temperature; equatorial convection anomaly; National Centers for Environmental Prediction Community Climate Model



FIG. 1. Simulations of the Madden–Julian oscillation (MJO) in the National Centers for Environmental Prediction Community Climate Model (CCM3) using the observed sea surface temperature (SST) as a boundary condition.

1. The Madden–Julian oscillation (MJO) is simulated well in the National Centers for Environmental Prediction (NCEP) Community Climate Model (CCM3) using the observed sea surface temperature (SST) as a boundary condition.
2. The MJO is characterized by the eastward propagation of an equatorial convection anomaly with a period of approximately 35 days.
3. There are some differences between the observed and simulated MJO.
4. The MJO is simulated well in the NCEP CCM3, but there are some differences between the observed and simulated MJO.
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