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A climate sensitivity test for CFMIP using a global cloud resolving model

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We are developing an AGCM with icosahedral grid named NICAM (Nonhydrostatic ICosahedral Atmospheric Model), which is effective for calculation with horizontally high resolution. On 2004, we have performed global cloud-resolving simulations with horizontal grid intervals dx = 14km, 7km and 3.5km on an aqua planet setup (Tomita et al. 2005). A climate sensitivity test with 2 K warmer sea surface temperature has also been performed (Miura et al. 2005). We are now performing on CFMIP-like condition with realistic topography. At the meeting, we will show the first results of climate sensitivity test on CFMIP-like condition.