



Verification Results of ICE-POP 2018 NWP System

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Numerical Modeling Center in KMA (Korea Meteorological Administration) organized ICE-POP 2018 (International Collaborative Experiments for Pyeongchang 2018 Olympic and Paralympic winter games) project during the Pyeongchang winter olympic and paralympic. ICE-POP 2018 is one of RDP (Research and Development Project) and FDP (Forecast Demonstration Project) project of WWRP (World Weather Research Program) in WMO (World Meteorological Organization). The scientific goal of numerical modeling in ICE-POP 2018 project is to improve the winter forecast of NWP (Numerical Weather Prediction) over Pyeongchang region. This project consists of three WG (Working Groups) for observation, NWP, and evaluation. Intensive observation over Pyeongchang area was conducted by international collaboration during the olympic periods. And, participants' NWP models were constructed and run for supporting weather to Olympic forecast as FDP efforts, and each model has unique characteristics like nowcasting and very short-range forecast. This study did the work of verification for participants' NWP model and comparison of verification result. The verification is focused on the forecast parameters against surface and upper observation site over Pyeongchang region. Qualitatively, Verification result show bad forecasting performance at mountain top (valley or basin) on Pyeongchang area for temperature (wind).