

Inter-comparison of Water Budgets over the Tibetan Plateau in the Regional East Asian Reanalysis and the Multiple Global Reanalyses products

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The water budgets over the Tibetan Plateau (TP) in the Regional East Asian Reanalysis version 1 (ReEARv1), which is a high-resolution regional reanalysis system developed by the reanalysis group in South China Sea Institute of Marine Meteorology (SCS IMM) in Guangdong Ocean University (GDOU), local station observations and satellite data across the East Asian area and the multiple global reanalysis products are compared for the period January to December 2015. Compared to the multiple global large scale reanalysis products, the regional reanalysis ReEARv1 products are significantly improved, especially over the Tibetan Plateau areas. Meanwhile, some problems in ReEARv1 have been discussed.