

## Wind contribution to the Earth's annual wobble

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We discussed the wind contribution to the annual wobble through the angular momentum budget for the atmosphere - mantle system using the function inferred from observed wobble (EOPC04) and the two atmospheric angular momentum (AAM) functions which were calculated from the operational objective analysis data of the JMA, and the reanalysis data of the NCEP. Consequently, it was clear that the wind blowing in lower troposphere played an important role to excite the annual wobble. Comparing JMA and NCEP AAM functions, we showed that there was considerable difference between JMA analysis and NCEP reanalysis data.