

Polar motion caused by secondary hydrological effects

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Variations in the orientation of the earth's rotation axis are excited by external gravitational forces and geophysical processes. Hydrological mass exchanges resulting from the interaction between precipitation, evapotranspiration and runoff, constitute one part off the geophysical processes. In this talk we want to show selected results of hydrological mass displacements in terms of hydrological angular momentum (HAM) and polar motion.