

## Specification of the MOD experiments

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Precipitation input	Tropical Rainfall Measuring Mission (TRMM) Multisatellite Precipitation Analysis (TMPA)
Evapotranspiration input	Moderate Resolution Imaging Spectroradiometer (MODIS) product MOD16ET
Humidity and wind speeds	ERA-Interim reanalysis
Temporal resolution	3 h
Spatial resolution	$1.5^{\circ} \times 1.5^{\circ}$
Experiment time span	2000–2010
Spatial domain	South American continent (land part of $30\text{--}85.5^{\circ}$ W, $15^{\circ}$ N– $49.5^{\circ}$ S)

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