

Modeling Solar Cycle Impacts on Tropical Hydrology and Proxy Records

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Proxy records of past climate provide potential archives for assessing the impact of solar forcing on climate. However, those records are not necessarily easy to interpret. We report on recent advances in modeling the impact of solar forcing including full atmospheric chemistry, particularly on the tropical hydrological cycle, and whether (and how) those changes might be recorded in proxy archives. We will focus on records of ^{10}Be in polar ice cores, and oxygen-isotope records in a variety of settings.