



## Supplement of

## Variability of moisture recycling using a precipitationshed framework

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## Precipitationshed persistence for MERRA



**Fig. 1.** The persistence of the Western Sahel, Northern China, and La Plata precipitationsheds for ERA-I, for the years 1980-2011. "Significant' is defined as greater than 5mm growing season<sup>-1</sup>, and the red areas correspond to the *core precipitationshed*, with significant contribution occurring during 100% of growing seasons. The black boxed areas are the sink regions for each precipitationshed.