

Global Atmospheric Rivers depicted from satellite and NWP reanalysis

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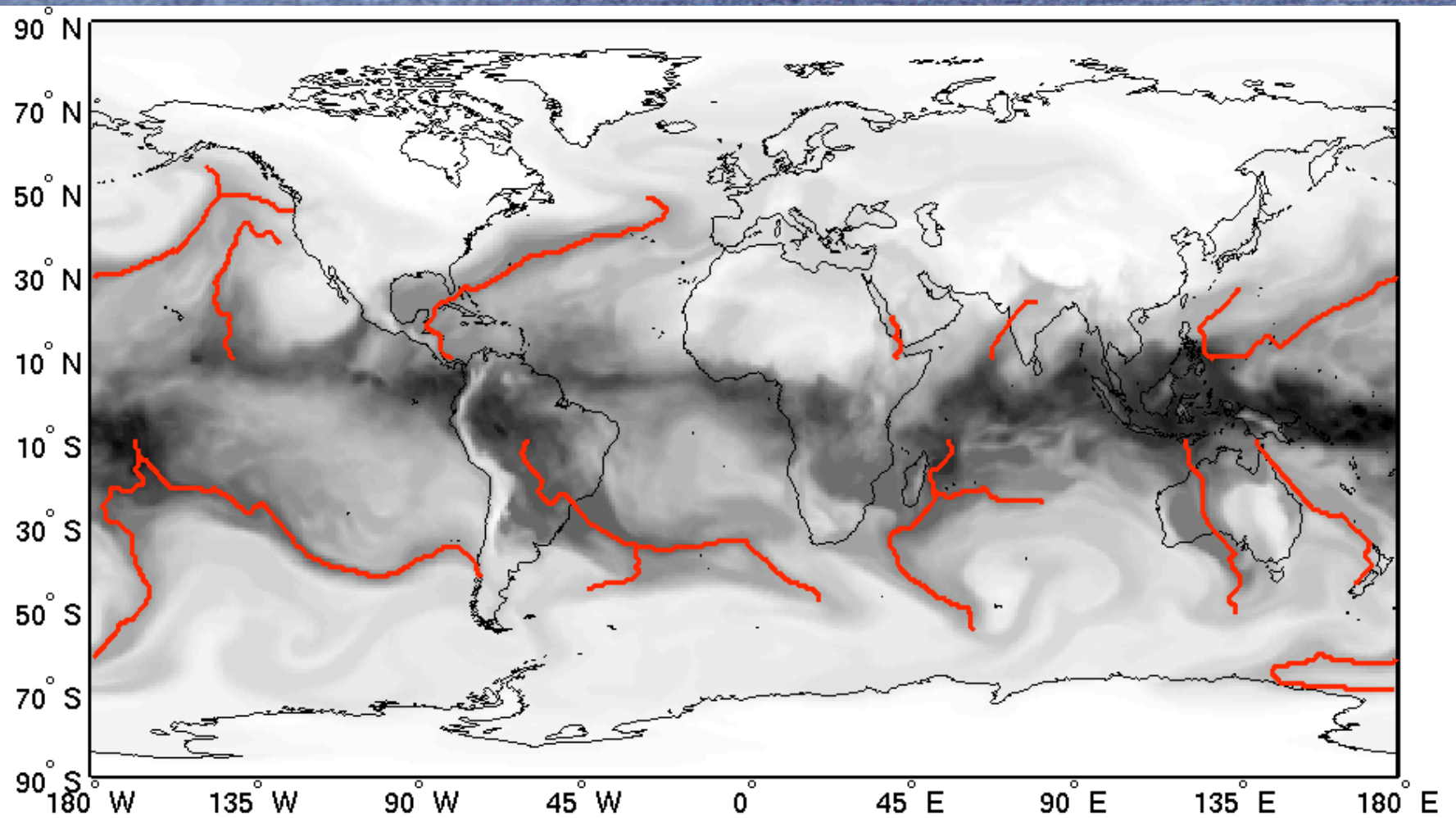
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Rationale and Objectives

1. Extract global Atmospheric Rivers (AR's) from satellite and NWP reanalysis water vapor data
2. Validate our approach with published results
3. Find the deeper connection between AR and extreme precipitation
4. Study on climate impact of AR
5. Longer time goals
 - a. Build an AR climatology
 - b. Build an AR realtime monitoring system

Global AR for Dec 31, 18:00 UTC, 2013



AR and Extreme Rain at Nashville, 2010

