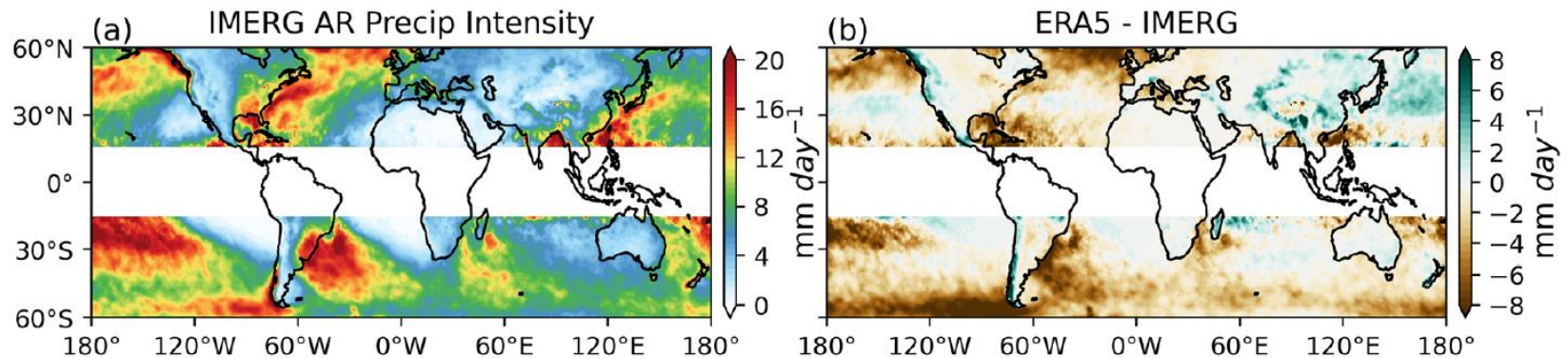# Evaluating the Representations of Atmospheric Rivers and Their Associated Precipitation in Reanalyses with Satellite Observations

- Developed a novel method to detect atmospheric rivers (ARs) using moisture and wind data from satellite observations
- Reanalyses and satellite observations show high agreement with each other in AR frequency distributions
- Under AR conditions, reanalyses tend to precipitate too often and too lightly.