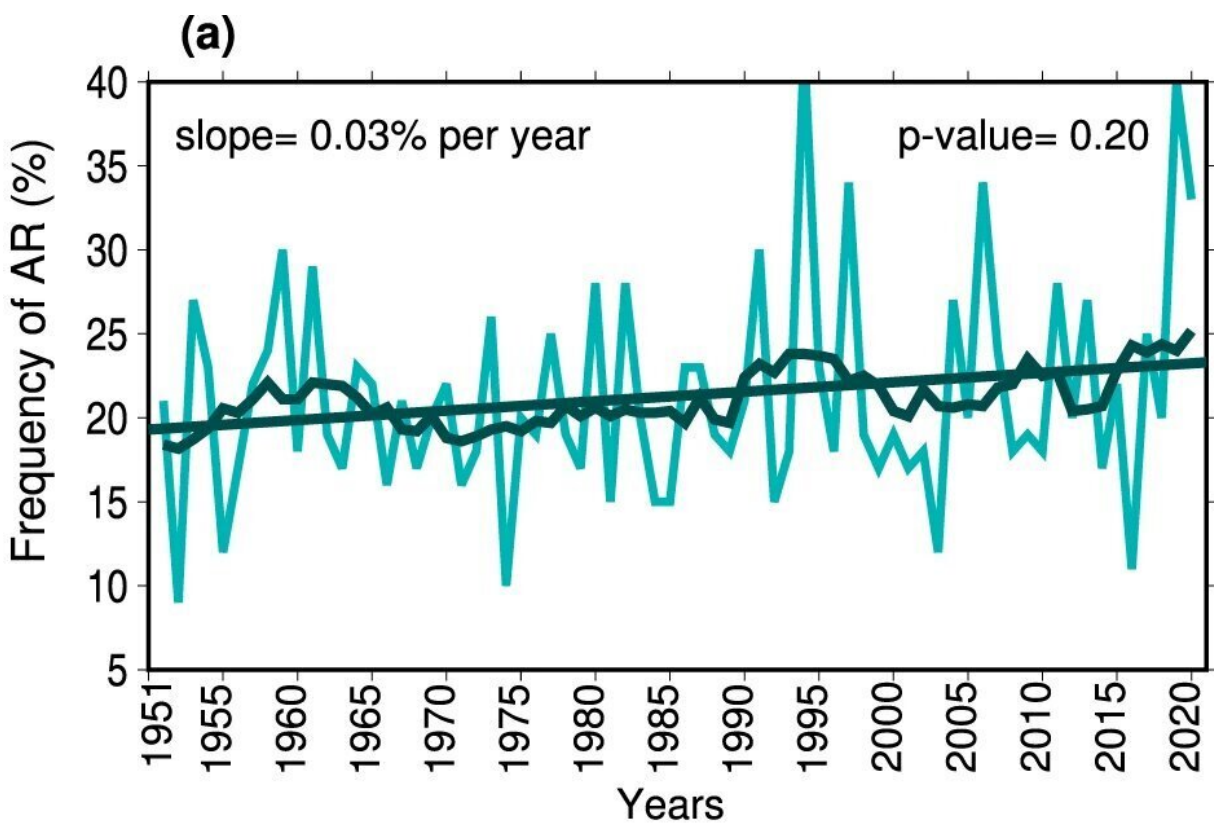


Study shows warming planet is leading to an increase in 'atmospheric river'-associated flooding in India

May 11 2023, by Bob Yirka



Changes in atmospheric rivers in India in the summer monsoon season (JJAS, June-September) during 1951–2020. **a** Trend in the frequency of occurrence of ARs (%) during 1951–2020; **b** Trend in the summer monsoon season IVT anomaly ($\text{kg m}^{-1} \text{s}^{-1}$). Solid lines in **(a, b)** indicate the linear trend and 10-year moving mean, respectively; **c** Long-term (1951–2020) change in the frequency of ARs in India. Trend and change (trend slope multiplied by duration) were

estimated using the non-parametric Mann-Kendall trend test and Sen slope estimator. Statistical significance was estimated at 5% level, therefore, p

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