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Supplement of

A composite-based analysis of the dynamical linkage of atmospheric rivers, warm conveyor belts, and extratropical cyclones

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SUPPLEMENTARY MATERIAL

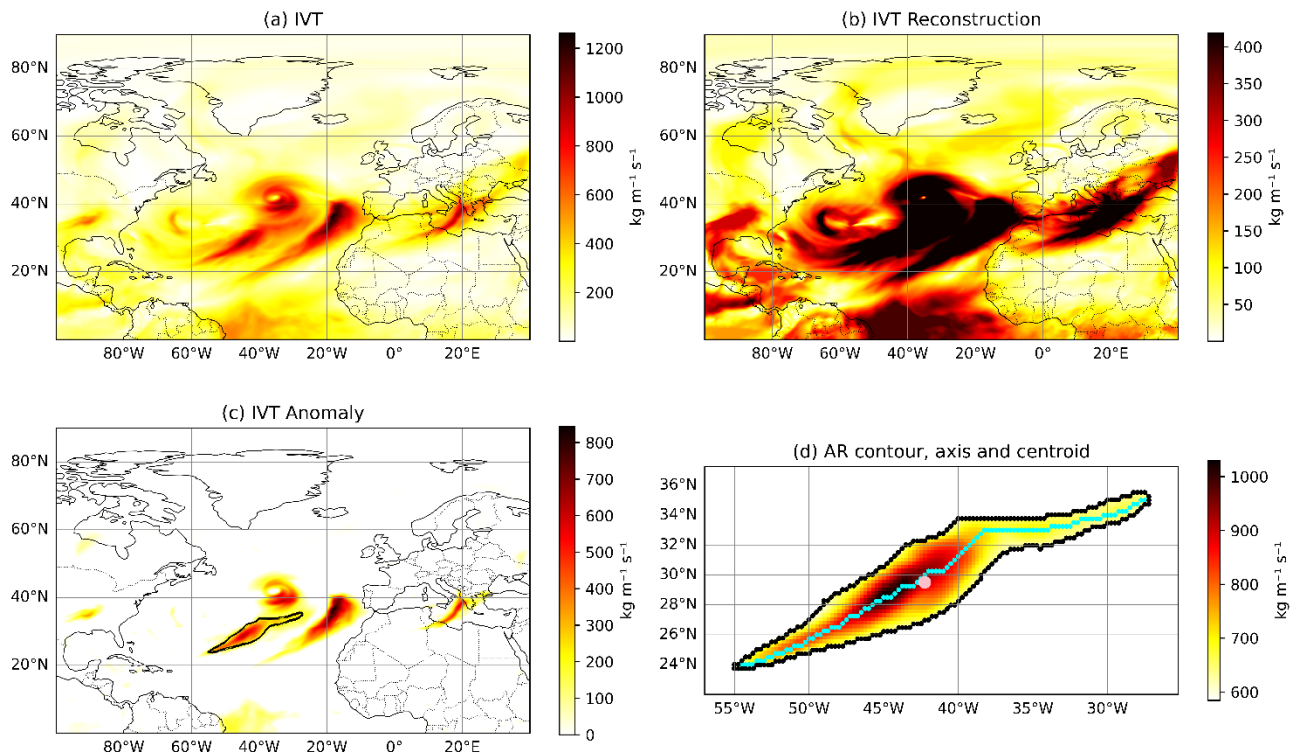


Figure S1 – AR identification process. Using the image-processing method, from the original IVT (image a) the background field is obtained (image b). By subtracting these two fields, we obtain the anomaly (image c) in which ARs are searched for. Image (d) represents the axis identification (light-blue dots) and the centroid location (pink dot). The AR's contour is represented as black dots.

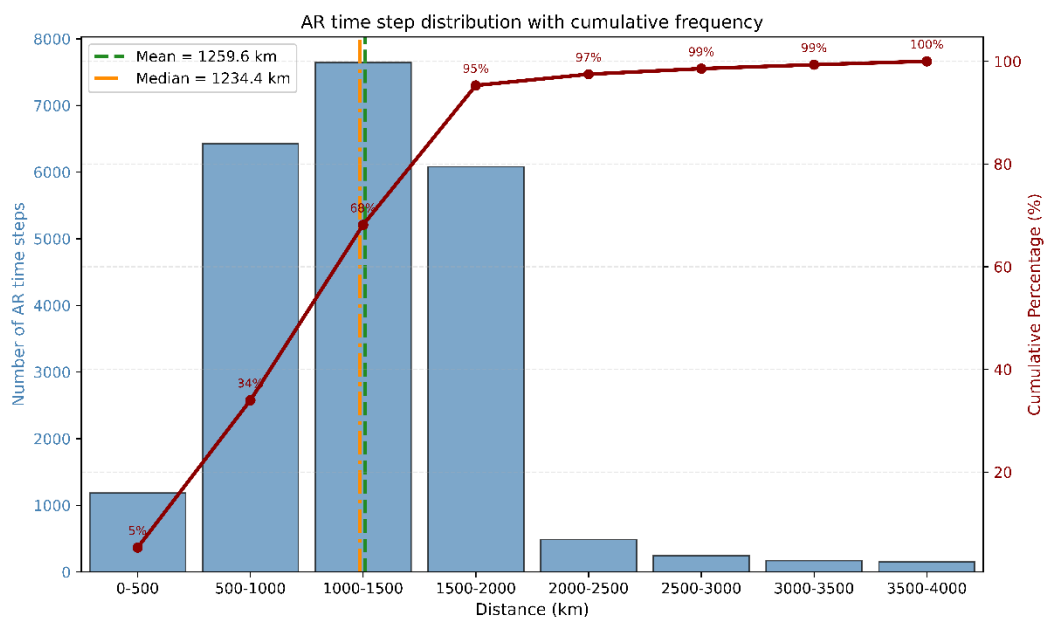


Figure S2 – Distribution of the distances between each AR object and the associated ETC (each 500 km). 95% of cases are within 2000km, leaving only 5% between 2000-4000 km. These correspond to 21332 and 1051 AR objects, respectively.