

# The residence time of water in the atmosphere revisited

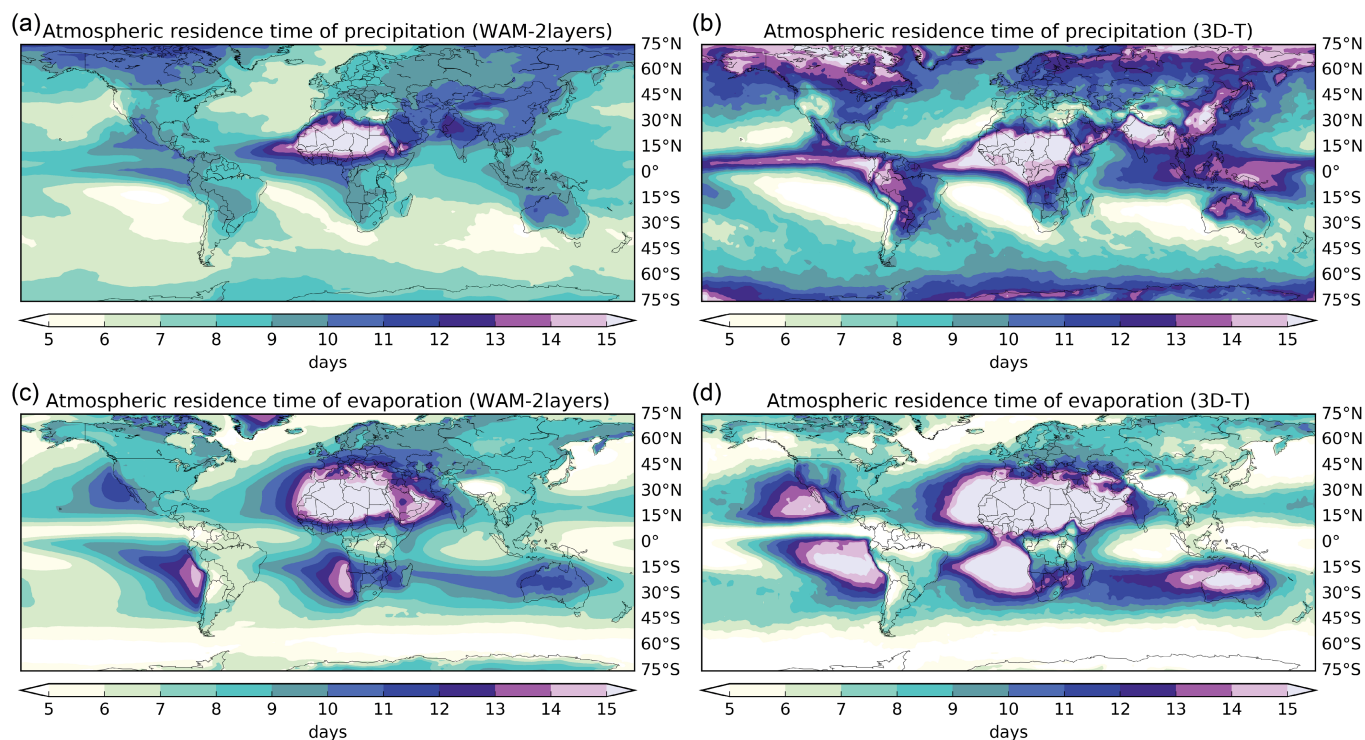
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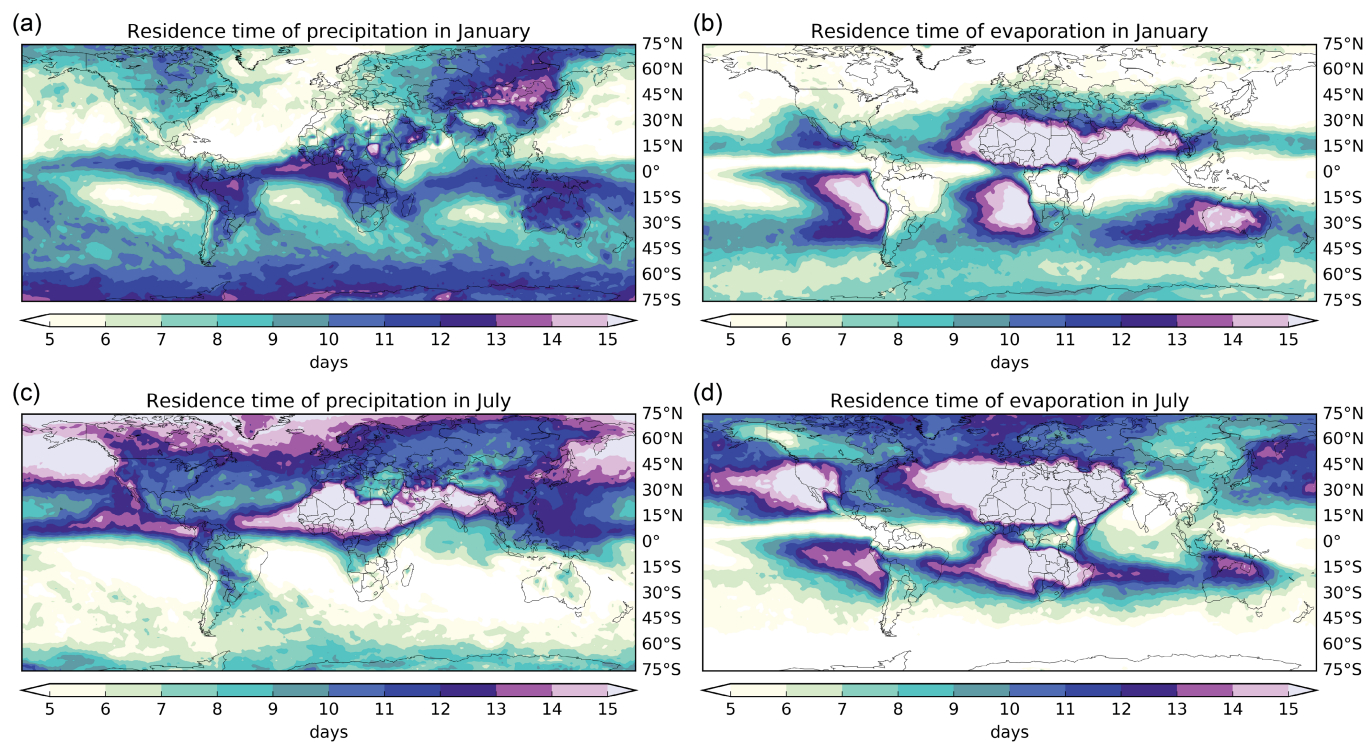
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## Supplement



**Figure S 1.** Annual average atmospheric residence times for 2002–2008, based on ERA-Interim data. (a) Residence time of precipitation as computed by WAM-2layers. (b) Residence time of precipitation as computed by 3D-Trajectories. (c) as (a) for evaporation. (d) As (b) for evaporation.



**Figure S 2.** Atmospheric residence times in January and July for 2002–2008, based on ERA-Interim data (averages of WAM-2layers and 3D-T).