

Canopy-scale biophysical controls of transpiration and evaporation in the Amazon Basin

by Mallick et al., Revised Version

I believe that the authors benefit from reviewers' comments and address them satisfactorily. Definitely, inclusion of variables in Table 1, derivation of equations and more detailed information about Omega Theory improved readability and are useful for readers of HESS. I found some minor points to improve the readability of the paper.

This is a humble recommendation to the authors, they may benefit from Zuecco et al. (2016) about the magnitude of hysteresis (L667) for their future study. I agree with the authors about their comparison underlining area or size of the hysteresis (L494-5). However, if they want to parameterize the magnitude of hysteresis, it may be good to check this aforementioned study for their future study.

Zuecco et al., 2016. A versatile index to characterize hysteresis between hydrological variables at the runoff event timescale, *Hydrological Processes*, 30, 1449-1466.

Minor Comments:

L99. Delete 's' after 'represent'. Insert comma after 'supply'.

...net radiation and soil moisture represent the supply, and

L111. Insert comma after 'cover'.

L154. Replace 'are' with 'is'. My understanding you are expressing about the investigation.

L205. I recommend plural because of more than one retrieval. The retrievals...

L221. I recommend re-write the parenthesis. My suggestion:

...(compared to the sensitivity of T_R to soil moisture and λE).

L223. Insert a dash after 'water'. ...water-stress controls...

L268. Ensure unity. Write numbers in words as you did in L393, L399 etc. '4' and '8' should be replaced by four and eight, respectively.

L304. Delete 's'. Plural verb. ...consist of...

L367. I recommend 'was' instead of 'is'. It depends on authors.

L375. Word choice. Replace 'from' with 'during'. ...during 1995-2005....

L383. I recommend taking T_R outside the radiation properties. Pay attention to L550, you use TR as a thermal variable. So, it will be good to take it out from the radiation variables. It depends on authors. My recommendation:

...radiation (R_N , shortwave and longwave), thermal (T_R), meteorological...

L401. I think 'over' should be replaced with 'for' as seen in L403.

L404. Delete 'that'. ... less than half of those....

L424. Insert 'respectively' after ' g_{A-BM13} '. g_{A-BM13} , respectively.

L439. Insert 'respectively' after 'fluxes'.fluxes, respectively (Fig.4).

L468. ...relativeLY higher....

L469. I may be confused here due to 'of'. My understanding which defines 'reasons', so it should be are. Please check the sentence.

L555. I think 'is' should be 'are'. ... the accuracies....ARE limited....

L588. 'results' should be 'result'.changes RESULT in....

L622. I think 'is' should be 'are'. My understanding, 'which' refers to forests, g_A of forests are higher than that of pastures.

L626. I recommend plural form of 'forest' due to using plural form of 'pasture'. ...forestS than in the pastures.

L679. Insert comma after 'model'.

L776. Replace 'is' with 'are'.differences.....ARE....

L778. I recommend using (SW) instead of SW85. You used throughout the paper PM-SW.

L791. Singular verb. ...tendS to....

L1130. Table 2. Please insert degree sign ($^{\circ}$) beneath latitude and longitude. Please define in the caption, (-) refers to (S) and (W) for latitude and longitude, respectively.

S1P2L3. Introduced by Mallick et al (2015).

S1P2L5. 'was' should be 'were'.effects.....WERE...