

Interactive comment on “Insights into the effect of spatial and temporal flow variations on turbulent heat exchange at a mountain glacier” by Rebecca Mott et al.

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Received and published: 17 May 2020

Thank you for this interesting study and this very nice dataset (although the time period is quite short). Have you examined the horizontal turbulent fluxes of heat ($v'T'$ or $u'T'$)? Since you observe significant variations of near-surface air temperature across the glacier, I guess this flux may be significant? Also: don't you think that adding a stability parameter (such as Ri or z/L) to the analysis would help to better understand the relationships between the turbulent heat flux and temperature or wind speed? Jean Emmanuel

Interactive comment on The Cryosphere Discuss., https://doi.org/10.5194/tc-2020-78, 2020.