

P1, L3: Change "see" to "see a companion paper";

P1, L5: Remove "(14.5 -18.5 km)", which is repeated in L14-15;

P2, L1-2: Using the symbol θ 's or θ s to represent potential temperature can be misleading as one may consider it as another variable different from θ . I would suggest changing "for θ 's" to "for potential temperature (θ)" and " θ s =" to " θ =" (in Line 1), and changing "for θ 's" to "for θ " (in Line 2).