

Page 3, line 18 – change “a case” to “an example”

Page 3, lines 22-23 – change “put forward” to “suggested”

Page 4, line 3 – change “decide” to “determine”

Page 5, line 1 – change “compare” to “compared”

Page 5, line 29 – delete “also”

Page 6, line 33 – insert “ ρ_{firn} is the density of firn”

Page 7, line 4 – change “t” to “the”

Page 7, line 27 – change “different” to “difference”

Page 8, line 2 – change “Accurate” to “An accurate”

Page 8, line 3. Start a new sentence where the semi-colon is.

Page 8, line 34. Delete «in the» (or do alternative correction of sentence so that it makes sense).

Page 9, lines 31-32 Change sentence to “There are additional sources of error in the glaciological measurements that lead to uncertainties in glaciological mass balance that are not easy to quantify (Dyurgerov, 2002).”

Page 9, line 32. Change beginning of sentence to “These uncertainties were classified into”

Page 10, lines 34-36. Correct this sentence from “variations with smaller” So that it is comprehensible.

Page 11, line 3. Delete “During summer periods”.

Page 11, line 4. Change “first” to “previous”

Page 11, line 6. Change “addations” to “addition”.

Page 11, line 8. Start a new sentence at “a slight thinning area” and change to “An area of minor thinning”

Page 11, line 13. Repetition of “the beginning of” – delete one of them.

Page 11, line 14. Change “filed” to “field”.

Page 13, line 19. Change “balances” to “balance”.

Page 14, lines 8-9. Change “ice temperature of the glacier bed has not reached the melting point” to “the temperature at the glacier bed is below the melting point of ice”.

Page 14, lines 12-13. Change this sentence to “In addition, internal melt caused by changes in potential energy due to glacier dynamics is negligible, as the glacier dynamics themselves are insignificant”.

Page 14, line 19. Change “A calculation of” to “Equation (11) gives”.

Page 14, line 20. Delete “is made”.

Page 14, line 21. Correct spelling to “Storglaciären”.

Page 14, line 22. Change “clod, continental” to “cold”.

Page 14, lines 22-24. Repetition of a phrase – delete one of them.

Page 14, line 25. Change “, measurement and studies on internal accumulation of the is still blank” to “with no measurements of internal accumulation”.

Page 14, line 28. Change “hardly” to “there is hardly”.

Page 15, lines 3-4. Change “makes dynamic thinning of Urumqi Glacier No. 1” to “causes dynamic thinning of the glacier”.

Page 15, line 4. Delete “make”.

Page 15, line 12. Change “since” to “due to”.

Page 15, line 20. Change to “Applying a reciprocal density conversion to the mass balance differences provides estimates of the”

Page 15, line 21. Change both “is” to “as”.

Page 15, line 22. Change “from” to “the”.

Page 15, line 23. Change “duo” to “due”.

Page 15, line 26. Change “misalign” to “misalignment”.

Page 16, line 2. Change “Despite” to “although”.

Page 16, line 7. Change “relative” to “a”.

Page 16, line 8. I assume that “data” should be “date”.

Page 17, line 3. Change “stakes” to “stakes can”.

Page 17, line 25. Change “has” to “have”.

Page 17, line 27. Change this sentence to “Hence it should be possible to measure most glaciers using the TLS”.

Page 17, line 28. Delete “of”.

Page 17, line 29. Delete “number”.

Page 17, line 31. Change “locate” to “are located”.

Page 17, line 32. Delete “select”.

Page 17, line 33. Change to “... system thus has a huge potential for glacier”

Page 17, line 39. Change “annul” to “annual”.

Page 17, line 40. Change sentence to “A day with little snow in the accumulation”

Page 17, line 41. Change to “... and no snow in the ablation area ...”

Page 18, lines 27-28. Change “What’s more” to “Further more”.