# Surface-bottom Temperature Analysis Coordination Meeting 1/20/2021

## Manuscript Authorship Guidelines

* Every co-author should contribute and not cause any significant delays in manuscript milestones (e.g., asking to folks to sit on the manuscript for weeks on end because they haven’t gotten a chance to review, general lack of communication and send very late edits or comments, etc.).
* Please be collaborative and help make the changes you want to see as much as possible, whether it’s text or figures. My hope is that you don’t treat the manuscript like a peer-reviewer (e.g., *I want this change, I don’t like that, I know you already did the analysis but I think this is a fatal flaw,* etc.), because it is also your paper if you’re a co-author.
* That said, please remember that constructive criticisms are always welcome! I just ask that you minimize contributions that are more similar to a peer-reviewer’s.
* My rough breakdown of tasks: Brian: lead author, Sam: Dataset integration and discrete data analysis, Mike: discrete data analysis, Larry: writing and guidance on analysis + interpretation, DWR team: dataset integration, analysis, writing for continuous data, general guidance on interpretation/editing
* **Discussion:**

## Study updates and discussion

* **Briefly go over outline and provide live-updates if any**
* **Questions:**
  + Use of space-adjusted temperature anomaly value?
    - Having no spatial adjustment makes the temperature value conversion much easier (and therefore easier interpretation). But doing so would lead to some amount of collinearity.
  + Soap-film smoother
    - How much more effort to spend on this and input on how to respond to reviewers’ call for more complex boundaries
  + Analysis for continuous data:
    - DWR presents a few options (e.g., data presentation or models) followed by discussion
* **If there’s time:**
  + Autocorrelation issues: EDSM replicate tow data
  + How many iterations of k-fold cross-validation test
  + How to present data for easiest interpretation?
* **Rough Timeline:**
  + Finalize analysis by March 1st. Draft manuscript by April 1st.