ESSD Point-by-Point Responses to Referees

Referee #1

In response to the comment from Referee #1 about our suggestions for future setups of temperature sensors, we have added two short sentences and a reference to Figure 5 where we show the types of radiation shields our team has used and developed over the study period.

The comment relating to Table 3 has been addressed in the caption for the table. These elevations are recorded at the bank of the stream, thus are valid as reference points.

Referee #2

In response to the comment (1) from Referee #2 about the overview of the data, we have added the necessary information that was missing. Much of the requested information is already found in Table 1 and 3, and the text. This includes:

- data length (Table 1 and 3),
- descriptions, units, and sampling rates (resolution) (found in Tables 1, 2, and 3, and the text)
- abbreviations beyond what is included are now unnecessary because these all align with the newly updated datasets

We have added sentences to more clearly identify gaps in discharge data, while information related to the missing weather station data was already included in the text. The only other addition that was requested here was the type of sampling, which we added in the text (ln. 262) by saying point measurements, indicating a sample point. The description of the discharge data collection (ln. 401-415) clearly indicates the sample point measurements of the discharge data. We feel that these edits succinctly address your comment (1) regarding the dataset descriptions, and we feel that the tables we have included provide a significant amount of valuable information in conjunction with the body of text.

In response to comment (2), the data had all been modified, but not updated/published in the hydroshare system, they are now available in their final form. The naming is now consistent across all datasets.

In response to comment (3), Figure 7 (incorrectly labeled by referee as 6) has been replotted, "Discharge m^3s^{-1}" now appears as the y-axis label for each station in the figure.