Appendixes

Appendix 1: R packages used for creating the “quality controlled dataset”


Take care of your data


Appendix 2: Statistical results of linear regression of temperature change over time in the Svalbard dataset using minimal, mean and maximal temperatures calculated over day, week or month always based on the basic Svalbard dataset.

<table>
<thead>
<tr>
<th>Sensor id</th>
<th>Sampling scheme</th>
<th>temperature increase $y^{-1}$/ statistical significance</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>day</td>
<td>week</td>
</tr>
<tr>
<td></td>
<td>min. value</td>
<td>mean value</td>
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<tr>
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<td>0.33***</td>
<td>0.34***</td>
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<tr>
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<td>0.15***</td>
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<td>0.20***</td>
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<td>0.14***</td>
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<td>Quality controlled dataset</td>
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