A 7-year dataset for driving and evaluating snow models at an arctic site (Sodankylä, Finland)

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Supplementary figures

**Figure S1.** Scatter plot and statistics comparing in situ measurements and ERA-Interim forecasts of longwave radiation averaged over periods of 3 hours (blue dots) and a day (red dots).

<table>
<thead>
<tr>
<th>Period</th>
<th>Bias (W m(^{-2}))</th>
<th>Root mean square error (W m(^{-2}))</th>
<th>Correlation</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 hours</td>
<td>-5.1</td>
<td>26.7</td>
<td>0.88</td>
</tr>
<tr>
<td>24 hours</td>
<td>-5.1</td>
<td>16.9</td>
<td>0.94</td>
</tr>
</tbody>
</table>
Figure S2. Profiles of snow density from manual measurements (black dots), dielectric measurements (white dots) and Crocus simulations (lines).
Figure S2. Continued
Figure S2. Continued
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Figure S2. Continued
Figure S2. Continued

[Graph showing data points for density and snow depth over time from 31/12/2013 to 14/5/2014]
**Figure S1.** Profiles of snow density from manual measurements (black dots), thermistors (white dots) and Crocus simulations (lines).
Figure S1. Continued
Figure S1. Continued
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Figure S1. Continued