Supplement of Geosci. Model Dev., 18, 6885–6902, 2025 https://doi.org/10.5194/gmd-18-6885-2025-supplement © Author(s) 2025. CC BY 4.0 License.





Supplement of

Implementation of an intermediate-complexity snow-physics scheme (ISBA-Explicit Snow) into a sea ice model (SI^3) : 1D thermodynamic coupling and validation

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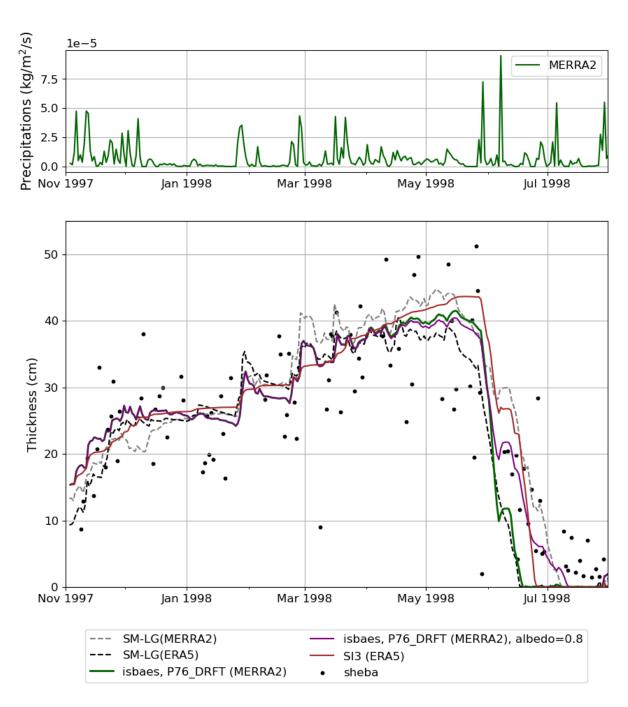


Figure S1: Observed (black dots) and simulated (lines) snow thickness at SHEBA during the November 1997 - September 1998 period. The purple line represents the snow thickness for a simulation using the P76_DRFT configuration, but for which the albedo is fixed to 0.8. This simulation is more consistent with SM-LG(MERRA2) during the melt period.