Response to the Chief Editor Comments for the Manuscript gmd-2021-333

## "Optimization of Snow-Related Parameters in Noah Land Surface Model (v3.4.1) Using Micro-Genetic Algorithm (v1.7a)"

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We have revised the Code and Data Availability section following your suggestion as below:

code availability The current version of the Noah LSM is available from the website: https://ral.ucar.edu/solutions/products/unified-noah-lsm (last access: 12 January 2022). The current version of the GA is available from the website: https://cuaerospace.com/products-services/genetic-algorithm/ga-drive-free-download (last access: 12 January 2022). The exact version of Noah LSM and GA used in this study are archived at: https://doi.org/10.5281/zenodo.5777821 (Lim et al., 2021). It also contains the forcing data and output files of Noah LSM and micro-GA-Noah LSM coupled system and the scripts to plot the same figures as in this manuscript.

data availability The 1-hourly forcing data for Noah LSM are obtained from Open MET Data Portal, which is available at https://data.kma.go.kr (last access: 12 January 2022) and ERA5-Land, which is available at https://cds.climate.copernicus.eu (last access: 12 January 2022). The snow depth is also obtained from Open MET Data Portal. The daily fractional snow cover and snow albedo from MODIS/Terra Snow Cover Daily L3 Global 500 m SIN Grid, Version 61, is available at https://nsidc.org/data/MOD10A1 (last access: 12 January 2022).

## References

Lim, S., Gim, H.-J., Lee, E., Lee, S.-Y., Lee, W. Y., Lee, Y. H., Cassardo, C., and Park, S. K.: Code and Data: Optimization of Snow-Related Parameters in Noah Land SurfaceModel (v3.4.1) UsingMicro-Genetic Algorithm (v1.7a), https://doi.org/10.5281/zenodo.5777821, 2021.