

Journal papers in which SnowEx'17 data were used

1. Currier, W. R., Pflug, J., Mazzotti, G., Jonas, T., Deems, J. S., Bormann, K. J. et al. (2019). Comparing aerial lidar observations with terrestrial lidar and snow-probe transects from NASA's 2017 SnowEx campaign. *Water Resources Research*, 55(7), 6285-6294.
2. Manickam, S., & Barros, A. (2020). Parsing Synthetic Aperture Radar Measurements of Snow in Complex Terrain: Scaling Behaviour and Sensitivity to Snow Wetness and Landcover. *Remote Sensing*, 12(3), 483.
3. Mazzotti, G., Currier, W. R., Deems, J. S., Pflug, J. M., Lundquist, J. D., & Jonas, T. (2019). Revisiting Snow Cover Variability and Canopy Structure Within Forest Stands: Insights from Airborne Lidar Data. *Water Resources Research*, 55(7), 6198-6216.
4. McGrath, D., Webb, R., Shean, D., Bonnell, R., Marshall, H. P., Painter, T. H. et al. (2019). Spatially extensive ground-penetrating radar snow depth observations during NASA's 2017 SnowEx campaign: Comparison with in situ, airborne, and satellite observations. *Water Resources Research*, 55(11), 10026-10036.
5. Meyer, J., & Skiles, S. M. (2019). Assessing the Ability of Structure from Motion to Map High-Resolution Snow Surface Elevations in Complex Terrain: A Case Study From Senator Beck Basin, CO. *Water Resources Research*, 55(8), 6596-6605.
6. Moller, D., Andreadis, K. M., Bormann, K. J., Hensley, S., & Painter, T. H. (2017). Mapping snow depth from Ka-band interferometry: Proof of concept and comparison with scanning lidar retrievals. *IEEE Geoscience and Remote Sensing Letters*, 14(6), 886-890.
7. Thompson, A., & Kelly, R. (2019). Observations of a coniferous forest at 9.6 and 17.2 GHz: Implications for SWE retrievals. *Remote Sensing*, 11(1), 6.
8. Webb, R. et al. (2020). Within-Stand Boundary Effects of Snow Water Equivalent Distribution in Forested Areas, Submitted to: *Water Resources Research*, Special Issue on Advances in Remote Sensing, Measurement, and Simulation of Seasonal Snow.

Proceedings and other non-peer-reviewed papers:

1. Brucker, Ludovic, Christopher Hiemstra, Hans-Peter Marshall, Kelly Elder, Roger De Roo, Mohammad Mousavi, Francis Bliven et al. "A first overview of SnowEx ground-based remote sensing activities during the winter 2016–2017." In *2017 IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, pp. 1391-1394. IEEE, 2017.

2. Brucker, Ludovic, Christopher Hiemstra, Hans-Peter Marshall, Kelly Elder, Roger De Roo, Mohammad Mousavi, Francis Bliven et al. "NASA Snowex'17 in SITU Measurements and Ground-Based Remote Sensing." In *IGARSS 2018-2018 IEEE International Geoscience and Remote Sensing Symposium*, pp. 6266-6268. IEEE, 2018.
3. Coccia, Alex, Chrisitan Trampuz, Marco Ortolani, Rocco Turtolo, Tom Wieffering, and Adriano Meta. "Deployment of the SnowSAR sensor in the SnowEx campaign by NASA and preliminary results." In *2017 IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, pp. 1403-1405. IEEE, 2017.
4. De Lannoy, Gabriëlle, Anouck Vanrykel, Hans Lievens, Ed Kim, and Ludovic Brucker. "Snow Estimation Under a Vegetation Gradient using Satellite Remote Sensing Data and Land Surface Modeling During Snowex 2017." In *IGARSS 2018-2018 IEEE International Geoscience and Remote Sensing Symposium*, pp. 6294-6297. IEEE, 2018.
5. Gatebe, Charles K., and Rajesh Poudyal. "Impact of forests on snow albedo: Lessons from the SnowEx campaign." In *2017 IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, pp. 1397-1398. IEEE, 2017.
6. Gatebe, C., Li, W., Chen, N., Fan, Y., Poudyal, R., Brucker, L. and Stamnes, K., 2018, July. Snow-Covered Area Using Machine Learning Techniques. In *IGARSS 2018-2018 IEEE International Geoscience and Remote Sensing Symposium* (pp. 6291-6293). IEEE.
7. Hall, Dorothy K., C. Chris Chickadel, Christopher J. Crawford, E. L. DeMarco, Donald E. Jennings, Murzy D. Jhabvala, Edward J. Kim, Jessica D. Lundquist, and Allen W. Lunsford. "The infrared sensor suite for SnowEx 2017." In *2017 IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, pp. 1406-1408. IEEE, 2017.
8. Kelly, Richard, and Aaron Thompson. "Ku and X-Band Scatterometer Observations of Deep Snow at Snowex 2017: Polarimetric Responses to Microstructure Controls." In *IGARSS 2018-2018 IEEE International Geoscience and Remote Sensing Symposium*, pp. 6259-6261. IEEE, 2018.
9. Joseph, A. T., M. Jhabvala, D. Jennings, D. Hall, N. DiGirolamo, and L. Stock. "Evaluation of Thermal Detector Technology Capabilities for the Compact Thermal Imager: Results from the QWIP Infrared Camera from Snowex'17." In *IGARSS 2019-2019 IEEE International Geoscience and Remote Sensing Symposium*, pp. 4060-4063. IEEE, 2019.
10. Kim, Edward, Charles Gatebe, Dorothy Hall, Amy Misakonis, Kelly Elder, Hans Peter Marshall, Chris Hiemstra et al. "Early results from NASA's SnowEx campaign." In *EGU General Assembly Conference Abstracts*, vol. 19, p. 10493. 2017.
11. Kim, E., 2018: How can we find out how much snow is in the world?, *Eos*, 99, <https://doi.org/10.1029/2018EO099939>. Published on 01 June 2018.

12. Leon, Amanda, Steve Tanner, and Jeffrey S. Deems. "Supporting Snow Research: SnowEx Data and Services at the NASA National Snow and Ice Data Center DAAC." *AGUFM 2017* (2017): C13E-0999.
13. Lou, Yunling, Scott Hensley, Brian Hawkins, Cathleen Jones, Marco Lavallo, Thierry Michel, Delwyn Moller et al. "UAVSAR program: Recent upgrades to support vegetation structure studies and land ICE topography mapping." In *2017 IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, pp. 5893-5895. IEEE, 2017.
14. Moller, Delwyn, Scott Hensley, Kat J. Bormann, Jeffrey Deems, Konstantinos Andreadis, and Thomas H. Painter. "Mapping snow-depth using KA-band InSAR: Calibration and validation during SnowEx." In *2017 IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, pp. 326-329. IEEE, 2017.
15. Painter, Thomas H., Kat J. Bormann, Jeffrey S. Deems, and Daniel F. Berisford. "The airborne snow observatory during NASA snow experiment (SnowEx) year 1: Mapping of snow water equivalent and snow albedo and constraining understanding of the physical environment." In *2017 IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, pp. 1399-1402. IEEE, 2017.
16. Skiles, S. McKenzie, Jewell Lund, and Thomas H. Painter. "Ground Validation of Airborne Snow Observatory Spectral and Broadband Snow Albedo During Snowex'17." In *IGARSS 2018-2018 IEEE International Geoscience and Remote Sensing Symposium*, pp. 6287-6290. IEEE, 2018.
17. Uhlmann, Zach, Nancy F. Glenn, Lucas P. Spaete, Chris Hiemstra, Chris Tennant, and Jim McNamara. "Resolving the Influence of Forest-Canopy Structure on Snow Depth Distributions with Terrestrial Laser Scanning." In *IGARSS 2018-2018 IEEE International Geoscience and Remote Sensing Symposium*, pp. 6284-6286. IEEE, 2018.
18. Uhlmann, Zachary, "Correlating the Spatial Distribution of Snow Depth to Forest Canopy Parameters Derived from Terrestrial Laser Scans" (2018). Boise State University Theses and Dissertations. 1498. <https://10.18122/td/1498/boisestate>
19. Xu, Xiaolan, Chad A. Baldi, Jan-Willem De Bleser, Yang Lei, Simon Yueh, and Daniel Esteban-Fernandez. "Multi-Frequency Tomography Radar Observations of Snow Stratigraphy at Fraser During SnowEx." In *IGARSS 2018-2018 IEEE International Geoscience and Remote Sensing Symposium*, pp. 6269-6272. IEEE, 2018.
20. Zhu, Jiyue, Shurun Tan, Chuan Xiong, Leung Tsang, Juha Lemmetyinen, Chris Derksen, and Joshua King. "Validation of physical model and radar retrieval algorithm of snow water equivalent using SnowSAR Data." In *2017 IEEE International Geoscience and Remote Sensing Symposium (IGARSS)*, pp. 322-325. IEEE, 2017.