

## PUBLICATIONS

Rozmiarek, K.S., B.H. Vaughn, T.R. Jones, V. Morris, W.B. Skorski, **A.G. Hughes**, J. Elston, S. Wahl, A.-K. Faber, and H.C. Steen-Larsen. 2021. "An unmanned aerial vehicle sampling platform for atmospheric water vapor isotopes in polar environments." *Atmospheric Measurement Techniques Discussions*, vol. 14. DOI: 10.5194/amt-14-7045-2021.

**Hughes, A.**, S. Wahl, T. Jones, A. Zuhr, M. Horhold, J.W. White, and H.C. Steen-Larsen. 2021. "The role of sublimation as a driver of climate signals in the water isotope content of surface snow: laboratory and field experimental results." *The Cryosphere Discussions*, vol. 15. DOI: 10.5194/tc-15-4949-2021.

**Hughes, A.** 2021. *Ice core water isotope records: Analysis of high-resolution Greenland ice cores and experimental determination of post-depositional effects on surface snow*. Doctoral dissertation, University of Colorado Boulder, Boulder, CO.

**Hughes, A.**, T. Jones, B.M. Vinther, V. Gkinis, C.M. Stevens, V. Morris, B.H. Vaughn, C. Holme, B.R. Markle, and J.W.C. White. 2020. "High-frequency climate oscillations in the Holocene from a coastal-dome ice core in east central Greenland." *Climate of the Past*, vol. 16. DOI:10.5194/cp-16-1369-2020.

Holme, C., V. Gkinis, M. Lanzky, V. Morris, M. Olesen, **A. Thayer**, B. Vaughn, and B. Vinther. 2019. "Varying regional  $\delta^{18}\text{O}$ -temperature relationship in high-resolution stable water isotopes from east Greenland." *Climate of the Past* vol. 15. DOI: 10.5194/cp-15-893-2019.

## PRESENTATIONS

**Thayer, A.**, H.C. Steen-Larsen, M. Horhold, S. Kipfstuhl, B. Vaughn, and J. White. 2018. "Quantifying post-depositional snow-air water isotope exchange using laboratory experiments and in-situ observations from the Greenland Ice Sheet." *AGU Fall Meeting*, Washington, D.C., 10–14 December.

**Thayer, A.**, V. Morris, T. Jones, E. Kahle, B. Vaughn, A. Schauer, J. White, and E. Steig. 2016. "Continuous-flow, triple-isotope-ratio isotope measurements on the South Pole ice core." Poster, *SPICE Core Annual Meeting*, La Jolla, CA, 19–20 September.

**Thayer, A.**, and J. White. 2016. "Current state of Renland (East Greenland) ice core analysis." *46<sup>th</sup> Annual Arctic Workshop*, Boulder, CO, 4–5 April.