Umiujaq TUNDRA, northeastern Canada (2015-10-01 - 2020-06-01) DEF PHYS + SUBLI + COMPAC + CL11 ALL\_TVC - Obs (auto) 1.5 - (a) 0.2 Snow Depth [m] 0.1 0.5 0 Snow Density [kg m<sup>-3</sup>] (c) (d) 0.75 400 0.5 0.25 0 Snow thermal cond [W m<sup>-1</sup> K <sup>-1</sup>] (e) (f) 0.75 0.5 0.25 0.01 0 Surface temperature [°C] (h) 20 -0.75 0.5 -20 0.25 Soil Temp at 15 cm [°C] (j)<sub>×</sub> (i) 10 0 2 --10 0 m 2018-07 ME RMSE 2016-07-2020-01 2017-01 2018-01 2019-07 2016-01 2017-07 2019-01