Bylot Island, Canadian high Arctic (2014-08 - 2019-06-25) peat\_TCZE\_REF\_TSNB\_REF peat\_InfiltrateRain Obs (SALIX-F) (b) (a) 0.6 Snow Depth [m] 0.05 (c) Snow Density [kg m<sup>-3</sup>] (d) 750 50 500 250 -50 (e) (f) Snow thermal cond [W m<sup>-1</sup> K <sup>-1</sup>] 0.15 0.1 0.1 0.05 Surface temperature [°C] (h) (g) 3 -0 Snow temperature [°C] 10 (j) 5 Bottom snow temp [°C] 6 --20 2 --30 (n)<sub>×</sub> Soil Temp at 5 cm [°C] (m) 6 -20 2 Soil Temp at 15 cm [°C] 8 (p)× 0 6 -20 2 -0 2019-01 2016-01 -2016-07 2017-01 emi 2017-07 2015-01 -2018-01 ME RMSE 2015-07 2018-07