Col de Porte, France (2002-08 - 2014-06-25) TCZE_REF_TSNB_REF - TCZE_REF_TSNB_OP1 TCZE_REF_TSNB_OP2 TCZE_REF_TSNB_OP3 TCZE_REF_TSNB_OP4 TCZE_REF_TSNB_OP5 Obs (auto) SD > 10 cm (b) (a) Snow Depth [m] 0.1 0 -0.1 100 Snow Density [kg m⁻³] (d) (c) 750 -50 -500 0 -250 -50 · Surface temperature [°C] 20 (f) (e) 2 0 -0 Snow temperature [°C] 2 (h) × 1 --20 0 Bottom snow temp [°C] 0.5 ×× 0.25 0 -0.25 Soil Temp at 10 cm [°C] (I) 0.4 0.2 0 -0.2 -0.4 Soil Temp at 20 cm [°C] (m) 0.4] (**n)** 0.2 -0 10 -0.2 -0.4 Soil Temp at 50 cm [°C] 20 (0) 0.4 (p) 15 0.2 10 -0 5 = -0.2 -0.4 2004 2006 -2012-2008 -2010-ME RMSE time