Col de Porte, France (2005-10 - 2006-05) TCZE\_OP1\_TSNB\_REF - TCZE\_OP1\_TSNB\_OP1 TCZE\_OP1\_TSNB\_OP2 TCZE\_OP1\_TSNB\_OP5 TCZE\_OP1\_TSNB\_OP3 TCZE\_OP1\_TSNB\_OP4 -- TCZE\_REF\_TSNB\_REF Obs (auto) SD > 10 cm (a) 0.2 Snow Depth [m] 0 0.5 -0.2 Snow Density [kg m<sup>-3</sup>] (c) (d) 750 50 500 0 250 -50 Surface temperature [°C] 20 (e) (f) 4 10 0 0 -2 -20 Snow temperature [°C] 0 (g) 2 -5 Bottom snow temp [°C] (i) -3 Soil Temp at 10 cm [°C] \_(k) 5 0 Soil Temp at 20 cm [°C] (m) (n) 2 -Soil Temp at 50 cm [°C] (o) (p) 0 1 2006-05 2005-11 – 2005-12 -ME RMSE 2005-10 2006-01 2006-02 2006-04 time