Col de Porte, France (2005-10 - 2006-05) TCZE\_REF\_TSNB\_REF\_h - TCZE\_REF\_TSNB\_REF\_h\_EZERO TCZE\_REF\_TSNB\_REF\_h\_EZERO\_all Obs (auto) Obs (man) SD > 10 cm 1.5 (a) × Snow Depth [m] 0 0.5 0 -0.1 Snow Density [kg  $\mathrm{m}^{-3}$ ] (c) (d) 750 50 500 0 250 -50 Surface temperature [°C] 20 (f) (e) 10 2 0 -10 -2 -20 Snow temperature [°C] (g) (h) 2 -1.5 0.5 0 Bottom snow temp [°C] (i) (j) 0.5 -2 -3 -0.5 Soil Temp at 10 cm [°C] 15 (k) (I) 0.5 0 -0.5 Soil Temp at 20 cm [°C] (m) (n) 0.5 0 -0.5 Soil Temp at 50 cm [°C] (o) (p) 0.5 0 -0.5 0 -2005-12 <del>-</del> 2006-05 -2005-10-2005-11 -2006-01 2006-02 2006-03-2006-04 -ME RMSE time