HMASR / in situ stations comparison over 1999-2013 (> 90 % temporal coverage and > 1 mm SD in DJFMA) HMASR and in situ stations elevation **(b)** HMASR (+) / station (^) (a) 5000 4000 Elevation (m) 3000 ITP ETP 2000 НМ Snow Depth (cm) 1000 4000 2000 3000 5000 0 Elevation (m) (c) DJFMA snow depth climatology (1999-2013) (d) HMASR (-) / station (--) All (0.96) ITP (0.86) ETP (0.97) Snow Depth (cm) HM (0.94) 0 ÖNDJĖMAMJJAS 2.5 5 7.5 20 40 Ó 10 60 80 Snow Depth (cm) Averaged stations and nearest HMASR gridcells time series (e) 6 **HMASR** MB (HMASR - station) = 0.43 cm station Relative MB (HMASR - station)/station = 151.04 % RMSE = 0.82 cm 5 Snow Depth (cm) r = 0.600 2006-2008-2010-2000 2002 2004