Reanalysis skin temperature plotted against station data 280 Reanalysis calculated temperature [K] Gradient 0.834±0.006 260 240 220 200 200 220 260 280 240 Station measured temperature [K] Diagonal **BASE BELGRANO SYOWA** Best fit ROTHERA POINT MOLODEZNAJA AMUNDSEN-SCOT BASE SAN MART **VOSTOK HALLEY NOVOLAZAREVSK MCMURDO**