## Winkler score 95% by level Australia Australia by Purpose 0 -10 -20 -20 -40-30 -60 State by Purpose State 0 0 -10-5 -20 -10 -30 -15 -40 -20 Zone by Purpose Zone 0 0.0 -5 -2.5 -10-5.0 -15-7.5 -20 Region Region by Purpose 5.0 2.5 0.0 -2.5-5.0MinT-N(PC1) MinT-N(PC1) MinT-S(PC1) MinT-S(PC1) -7.5MinT-S MinT-N Family MinT-N OLS OLS Base OLS Empirical coverage of 95% prediction intervals by level MinT-S Australia Australia by Purpose MinT-N 0.75 0.75 0.50 0.50 0.25 0.25 0.00 0.00 State by Purpose State 0.75 0.75 Embirical Coverage 0.25 0.00 0.75 0.50 0.50 0.25 0.00 Zone by Purpose Zone

0.75 0.50

0.25

0.00

0.75

0.50 0.25

MinT-N(PC1) 0.00

Region

MinT-S

OLS

Base

MinT-S(PC1)

MinT-N

Region by Purpose

MinT-S

OLS

Base

MinT-S(PC1)

MinT-N(PC1)

MinT-N

% improvements

0.25

0.00

0.75

0.50

0.25

0.00