

| GMST dataset             | GMST progression $\Delta\mu_{2016}$ with $2\sigma$ confidence limits ( $^{\circ}\text{C}$ ) |                        |   |                                  |
|--------------------------|---|------------------------|---|----------------------------------|
|                          | OLS linear trend  | IRW trend              | OLS linear trend with regression on AOD | IRW trend with regression on AOD |
| HadCRUT4, CRU            | 0.90<br>( $\pm 0.18$ )  | 0.93<br>( $\pm 0.17$ ) | 0.89<br>( $\pm 0.18$ )                  | 0.89<br>( $\pm 0.17$ )           |
| HadCRUT4, Cowtan and Way | 0.96<br>( $\pm 0.17$ )  | 1.06<br>( $\pm 0.17$ ) | 0.94<br>( $\pm 0.18$ )                  | 1.01<br>( $\pm 0.17$ )           |
| LOTI series, NASA        | 0.98<br>( $\pm 0.19$ )  | 1.02<br>( $\pm 0.18$ ) | 0.97<br>( $\pm 0.20$ )                  | 0.98<br>( $\pm 0.18$ )           |
| NOAA, Karl et al.        | 0.95<br>( $\pm 0.19$ )  | 0.96<br>( $\pm 0.19$ ) | 0.94<br>( $\pm 0.20$ )                  | 0.95<br>( $\pm 0.19$ )           |
| Berkeley Earth Project   | 1.04<br>( $\pm 0.17$ )  | 1.12<br>( $\pm 0.17$ ) | 1.02<br>( $\pm 0.17$ )                  | 1.07<br>( $\pm 0.17$ )           |
| <b>Mean progression</b>  | <b>0.97</b>   | <b>1.02</b>            | <b>0.95</b>                             | <b>0.98</b>                      |