

**Table:** 5-day running sum statistics for morb (intensity-50), organized by model.

| Statistic   | C-PRISM | RC-GFDL | RS-GFDL | RC-MPI  | RS-MPI  | WC-MPI  | WS-MPI  | WC-GFDL | WS-GFDL |
|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Normality p | < 0.01* | < 0.01* | < 0.01* | < 0.01* | < 0.01* | < 0.01* | < 0.01* | < 0.01* | < 0.01* |
| Welch p     |         | 0.035*  | 0.48    | 0.49    | < 0.01* | < 0.01* | < 0.01* | < 0.01* | 0.39    |
| Tukey p     |         | 0.035*  | 0.49    | 0.49    | < 0.01* | < 0.01* | < 0.01* | < 0.01* | 0.39    |
| WMV p       |         | < 0.01* | 0.083   | < 0.01* | < 0.01* | < 0.01* | < 0.01* | < 0.01* | 0.24    |

<sup>1</sup> Time periods: (C) 1981 - 2001 and (S) 2079 - 2099.

<sup>2</sup> Volume: 4.

<sup>3</sup> Threshold: 300 mm.

<sup>4</sup> All tests significant at  $\alpha = 0.05$ .

<sup>5</sup> Anderson-Darling Normality Test. \* denotes the distribution is not a normal distribution.

<sup>6</sup> Welch Two-Sample T-Test. \* denotes the paired sample distribution means are significantly different.

<sup>7</sup> Tukey Honestly Significant Difference Test. \* denotes the paired sample distribution means are significantly different.

<sup>8</sup> Wilcoxon Mann-Whitney U Test. \* denotes the sample distributions are significantly different.