

**Table:** Significance statistics for NCUS (centroid-lon), organized by model.

| Statistic   | PRISM-C | GFDL-RC | GFDL-RS | MPI-RC  | MPI-RS  |
|-------------|---------|---------|---------|---------|---------|
| Normality p | < 0.01* | < 0.01* | < 0.01* | < 0.01* | < 0.01* |
| Welch p     |         | 0.045*  | 0.76    | < 0.01* | 0.56    |
| Tukey p     |         | 0.045*  | 0.76    | < 0.01* | 0.56    |
| WMV p       |         | 0.024*  | 0.72    | < 0.01* | 0.51    |

<sup>1</sup> Annual time periods: (C) 1981 - 2000 and (S) 2041 - 2060.

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

<sup>3</sup> Threshold: 43.75 mm day-1.

<sup>4</sup> Resolution: 25km.

<sup>5</sup> All tests significant at  $\alpha = 0.05$ .

<sup>6</sup> Anderson-Darling Normality Test. \* denotes the distribution is not a normal distribution.

<sup>7</sup> Welch Two-Sample T-Test. \* denotes the paired sample distribution means are significantly different.

<sup>8</sup> Tukey Honestly Significant Difference Test. \* denotes the paired sample distribution means are significantly different.

<sup>9</sup> Wilcoxon Mann-Whitney U Test. \* denotes the sample distributions are significantly different.