

**Table:** Significance statistics for NCUS (intensity-90), 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		< 0.01*	< 0.01*	< 0.01*	< 0.01*
Tukey p		< 0.01*	< 0.01*	< 0.01*	< 0.01*
WMV p		< 0.01*	< 0.01*	< 0.01*	< 0.01*

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

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

<sup>3</sup> Threshold: 50 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.