

**Table:** 5-day running sum statistics for nwna (area), organized by model.

Statistic	PRISM	RC-GFDL	RS-GFDL	RC-MPI	RS-MPI	WC-MPI	WS-MPI	WC-GFDL	WS-C
Normality p	< 0.01*	< 0.01*	< 0.01*	< 0.01*	< 0.01*	< 0.01*	< 0.01*	< 0.01*	< 0.01*
Welch p		0.86	0.91	< 0.01*	0.84	< 0.01*	0.22	< 0.01*	< 0.01*
Tukey p		0.86	0.91	< 0.01*	0.84	< 0.01*	0.22	< 0.01*	< 0.01*
WMV p		< 0.01*	0.013*	< 0.01*	0.030*	< 0.01*	0.021*	< 0.01*	< 0.01*

<sup>1</sup> Time periods: 1981 - 2001.

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

<sup>3</sup> Threshold: 25 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.