

Supplementary File of the Paper “Distribution-Free Monitoring of Univariate Processes”

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This file contains the results based on 10,000 replications, when $M = 200$ or 500 and when the second approach described in Section 3 of the paper is used for choosing the parameters of the related control charts.

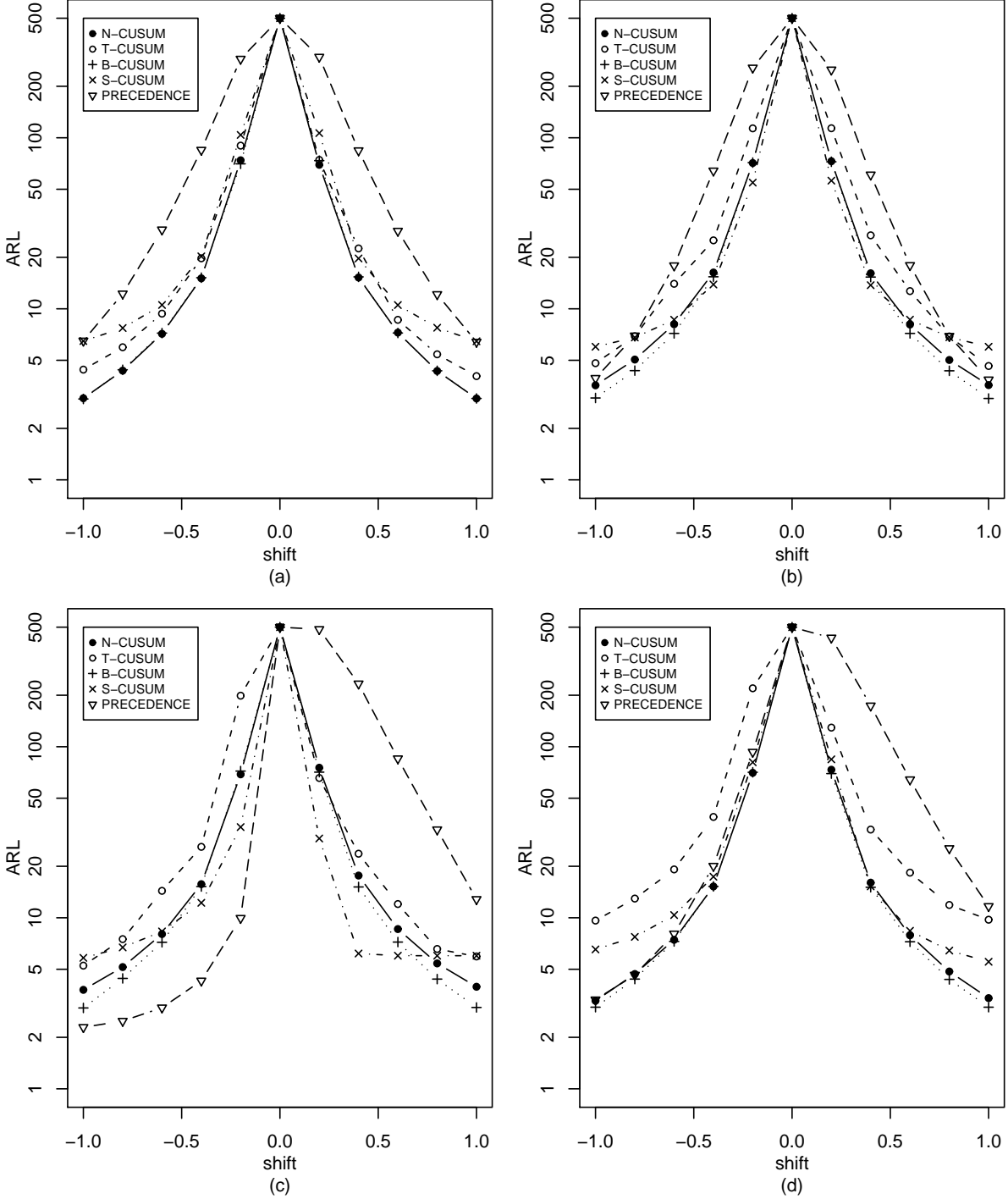


Figure S.1: OC ARL values of five control charts when $ARL_0 = 500$, $M = 200$, $m = 5$, and the actual IC process distribution is the standardized version of $N(0, 1)$ (plot (a)), $t(4)$ (plot (b)), $\chi^2(1)$ (plot (c)), and $\chi^2(4)$ (plot (d)). Procedure parameters of the control charts are chosen to be the ones that minimize their OC ARL values when detecting each individual shift. Scale on the y -axis is in natural logarithm.

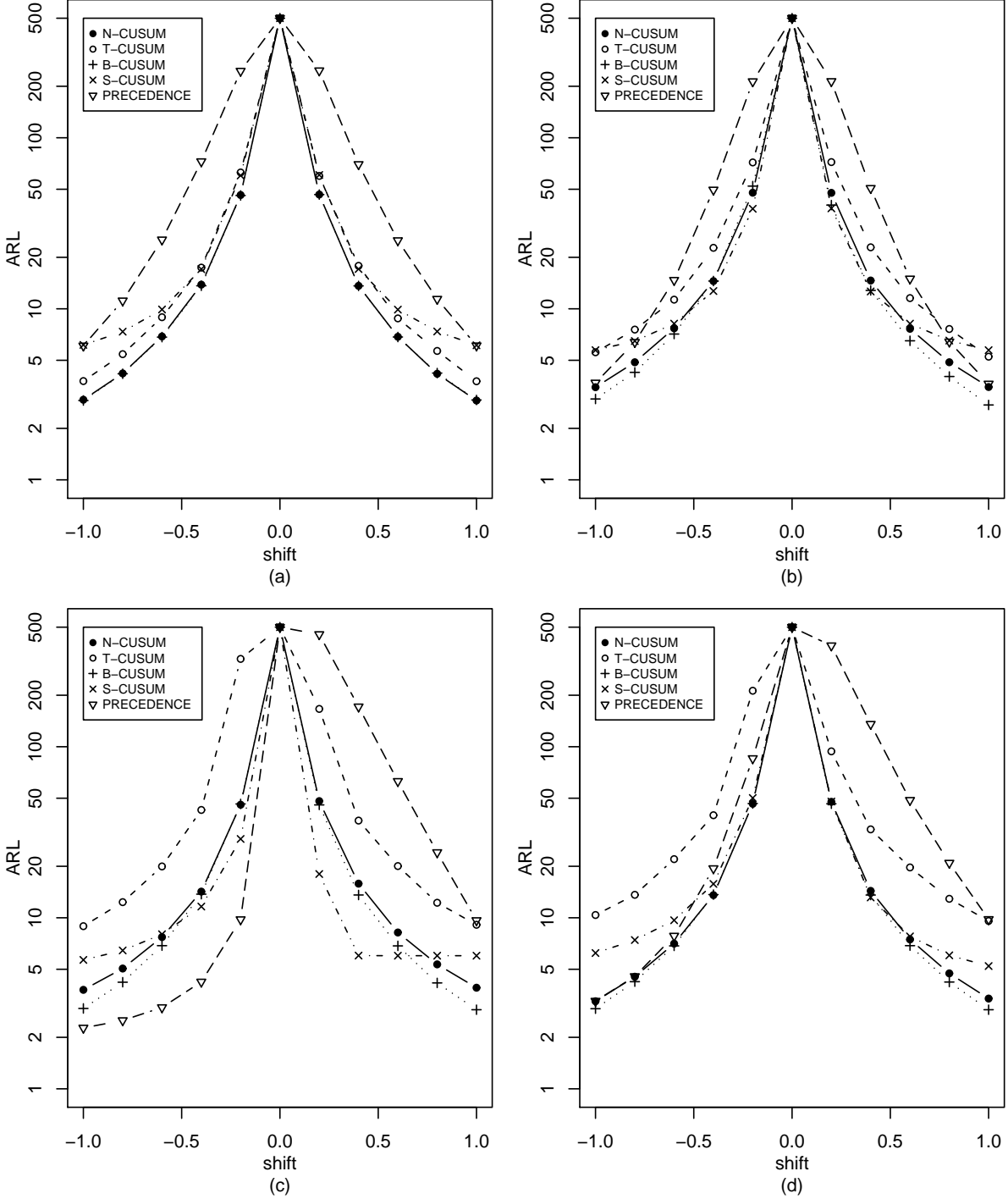


Figure S.2: OC ARL values of five control charts when $ARL_0 = 500$, $M = 500$, $m = 5$, and the actual IC process distribution is the standardized version of $N(0, 1)$ (plot (a)), $t(4)$ (plot (b)), $\chi^2(1)$ (plot (c)), and $\chi^2(4)$ (plot (d)). Procedure parameters of the control charts are chosen to be the ones that minimize their OC ARL values when detecting each individual shift. Scale on the y -axis is in natural logarithm.