Boxplot of ARL<sub>0</sub> for Various Models on Streaming Data with z and alpha: z:1.96 alpha:1, Mean Gap Size of 1, Data Variance of 4 (Outliers in out-of-control Period) 500 CTM (Z:1.96, a:1, (0.1, 15)) SWM (Z:1.96, a:1, 20) CTM (2:1.96, a:1, (0.1, 10)) SWM (2:1.96, a:1, 15) CTM (2:1.96, a:1, (0.1, 20)) SWM (2:1.96, a:1, 25) CTM (Z:1.96,8:1,(0.15,10)) (Z:1.96,8:1,30) WM (z:1.96,a:1,(0.1,15)) WM (2:1.96, a:1, (0.1, 20)) TM (Z:1.96, a:1, (0.2, 10)) WM (2:1.96, 3:1, (0.2, 10)) WM (z:1:96,a:1,(0.1,10)) TM (Z:1.96, a:1, (0.1, 15)) TM(Z:1,96,3:1,(0.1,20)) TM (Z:1.96, a:1, (0.15, 10)) CTM (Z:1,96,8:1,(0.15, 15)) TM (2:1.96, a:1, (0.15, 20)) WM (Z:1.96,8:1,(0.15,20)) CTM (z:1.96, a:1, (0.15, 20)) CTM (Z:1.96, 3:1, (0.2, 10)) TM (Z:1.96,3:1,(0.2,15)) CTM (z:1.96,a:1,(0.2,16)) Model (Parameters)