Boxplot of ARL1 for Various Models on Streaming Data with z and alpha: z:1.96 alpha:3, Mean Gap Size of 5, Data Variance of 9 (Outliers in out-of-control Period) 350 300 100 CTM (z.1.96, a.3, (0.1, 10)) SWM (z.1.96, a.3, 15) CTM (Z:1.96, 8:3, (0.1, 201) (Z:1.96, 2:3, 25) CTM (2:1.96, a:3, (0.1, 15)) SWM (2:1.96, a:3,20) CTM (Z:1.96,8:3,(0.15,10)) (Z:1.96,8:3,30) WM (2:1:96, 8:3, (0.1, 20)) WM (z:1.96, a:3, (0.1, 10)) TM (Z:1.96,2:3,(0.1, 15)) WM (X:1.96,8:3,(0.1,15)) TM (Z:1,96,8:3,(0.1,20)) TM (Z:1.96,2:3,(0.15,10)) TM (2:1.96, a:3, (0.15, 20)) TM (2:1.96, 2:3, (0.2, 10)) WM (2:1.96, a:3, (0.2, 10)) WM (z:1.96, a:3, (0.15, 20)) CTM (Z:1.96,3:3,(0.15,20)) Model (Parameters)