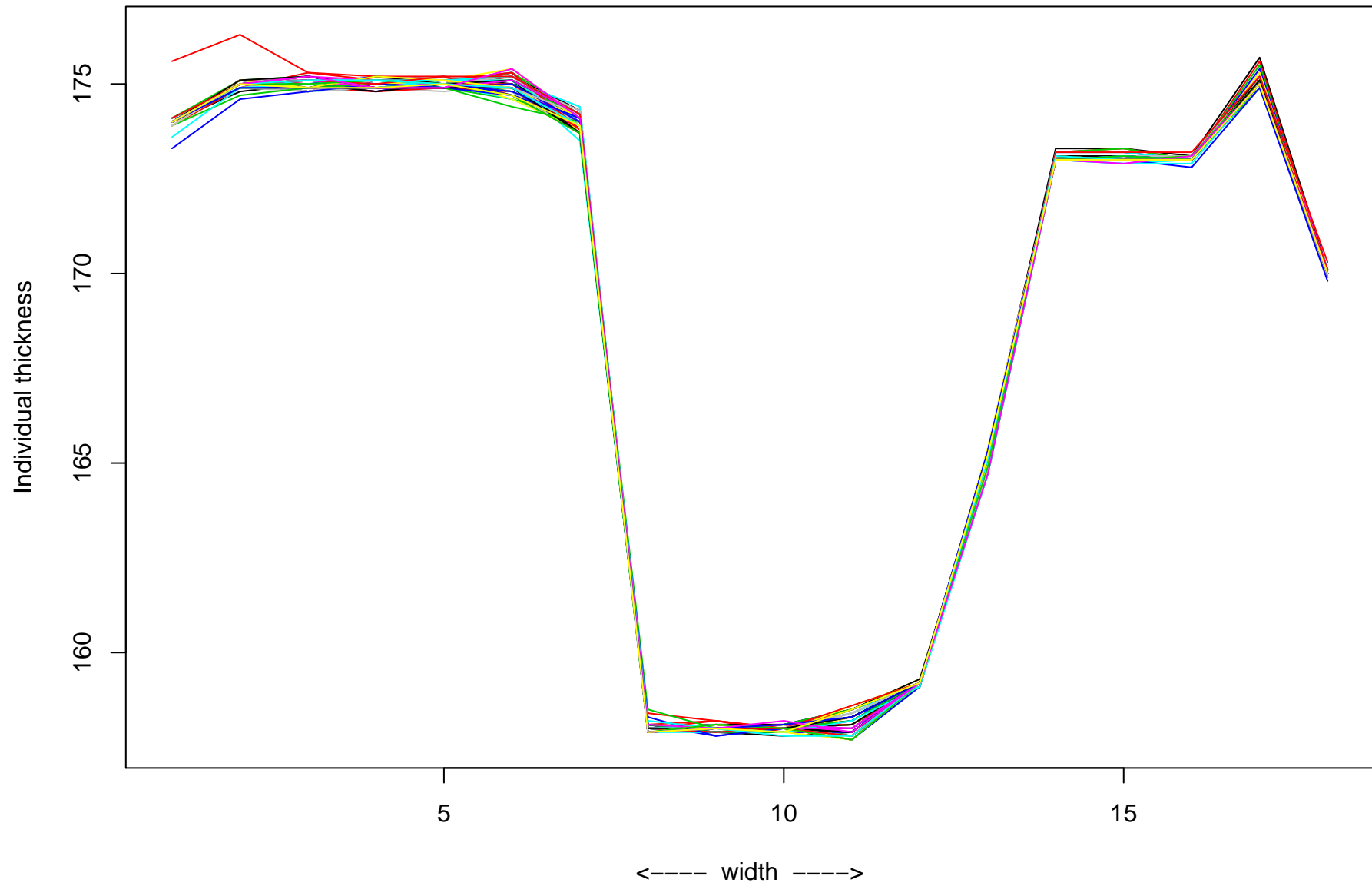
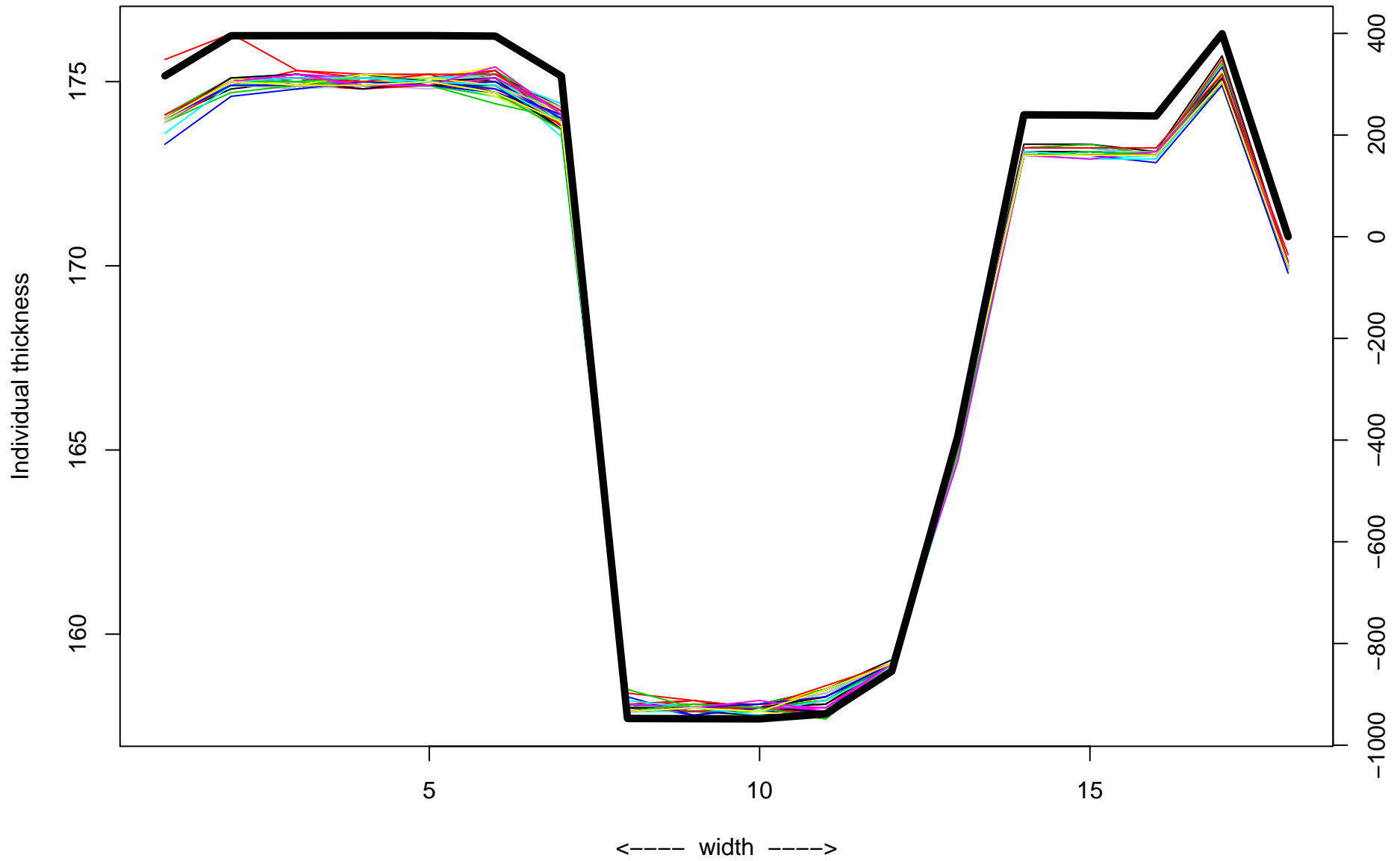


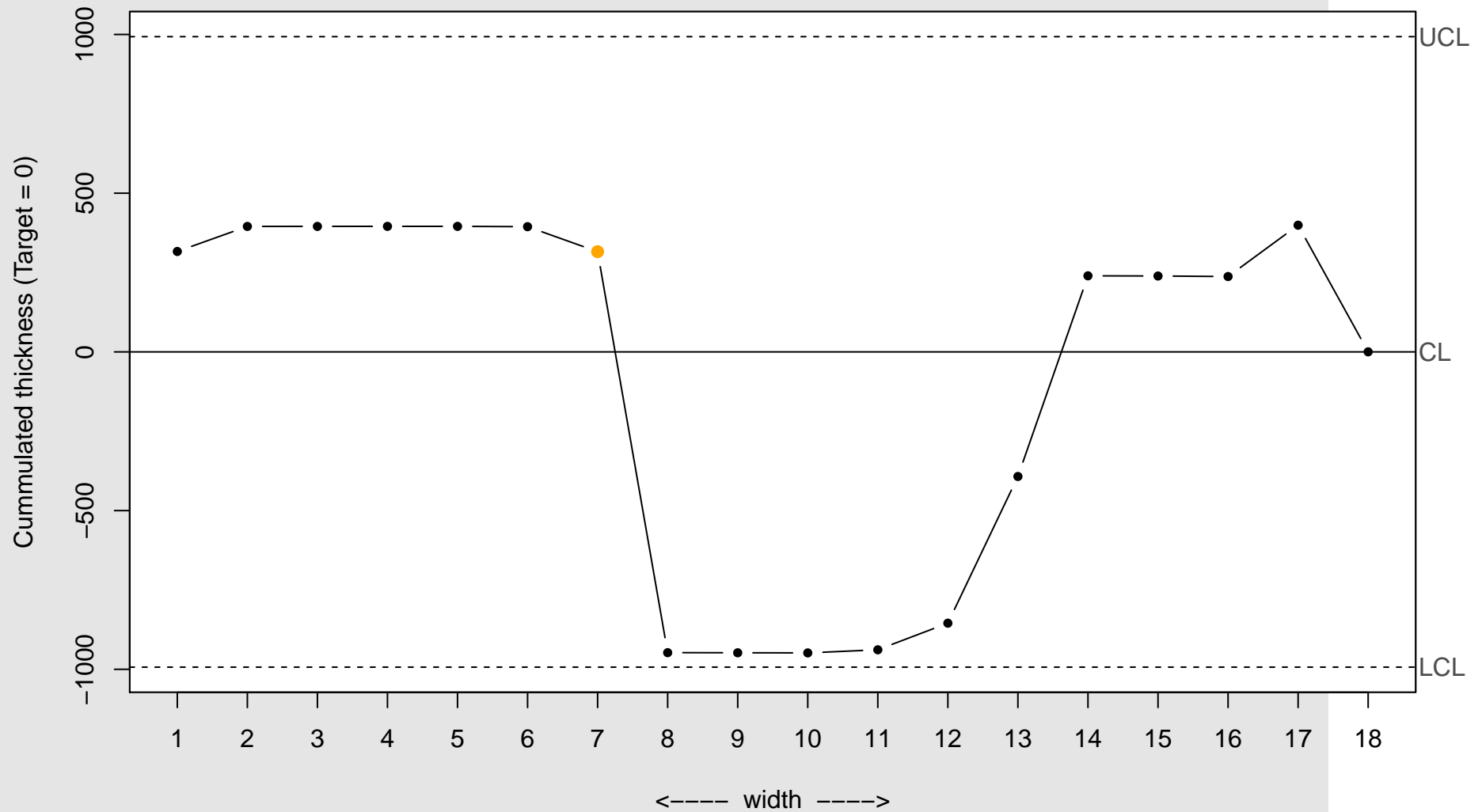
Individual thickness only



Simulated thickness



Simulated thickness



Number of groups = 18

Center = 0

StdDev = 165.5194

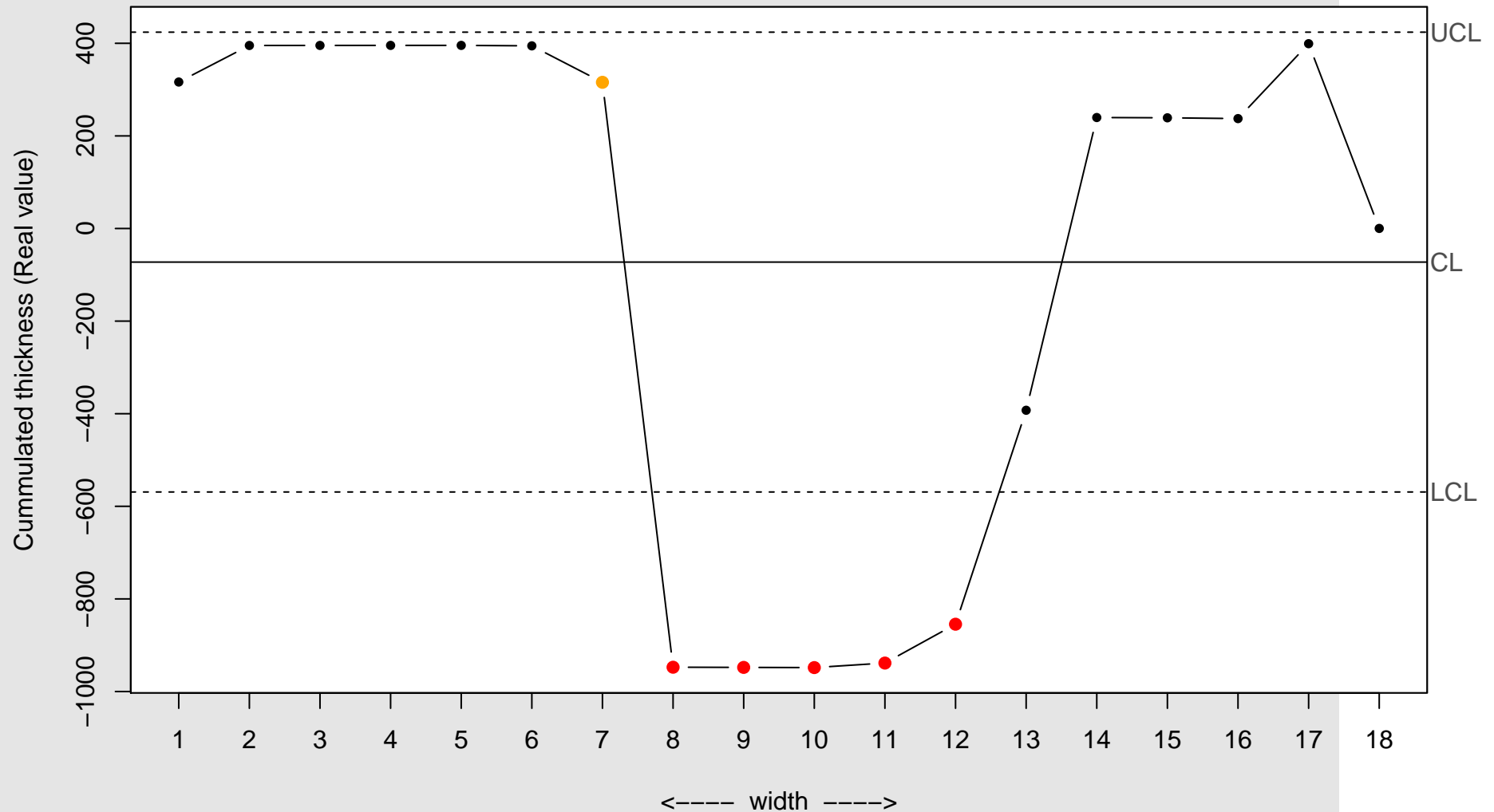
LCL = -993.1164

UCL = 993.1164

Number beyond limits = 0

Number violating runs = 1

Simulated thickness: Cpk is -0.02279 and z is -1.568 .

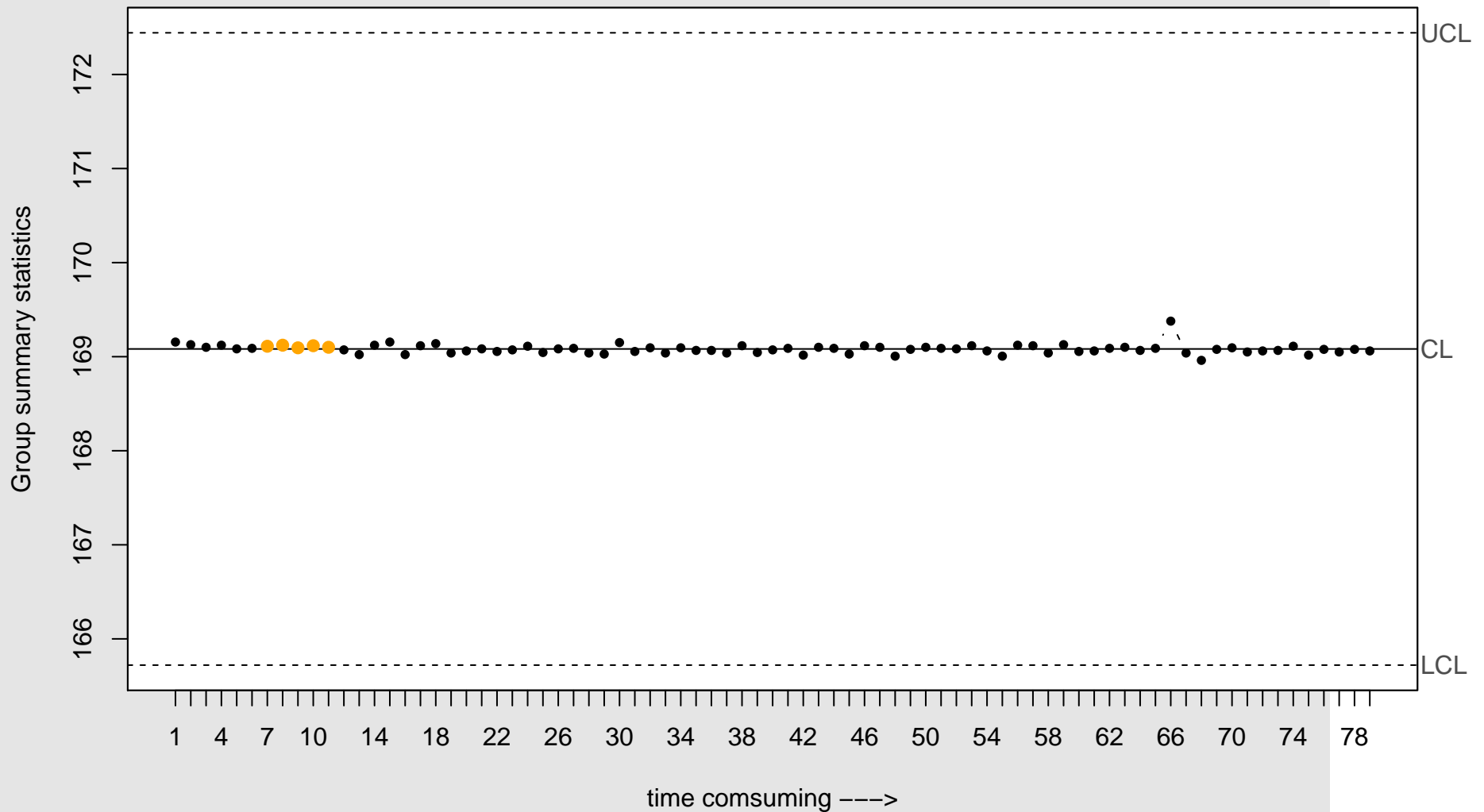


Number of groups = 18
Center = -72.51667
StdDev = 165.5194

LCL = -569.0749
UCL = 424.0415

Number beyond limits = 5
Number violating runs = 1

X-bar chart for a given dataset



Number of groups = 79

Center = 169.0821

StdDev = 4.753095

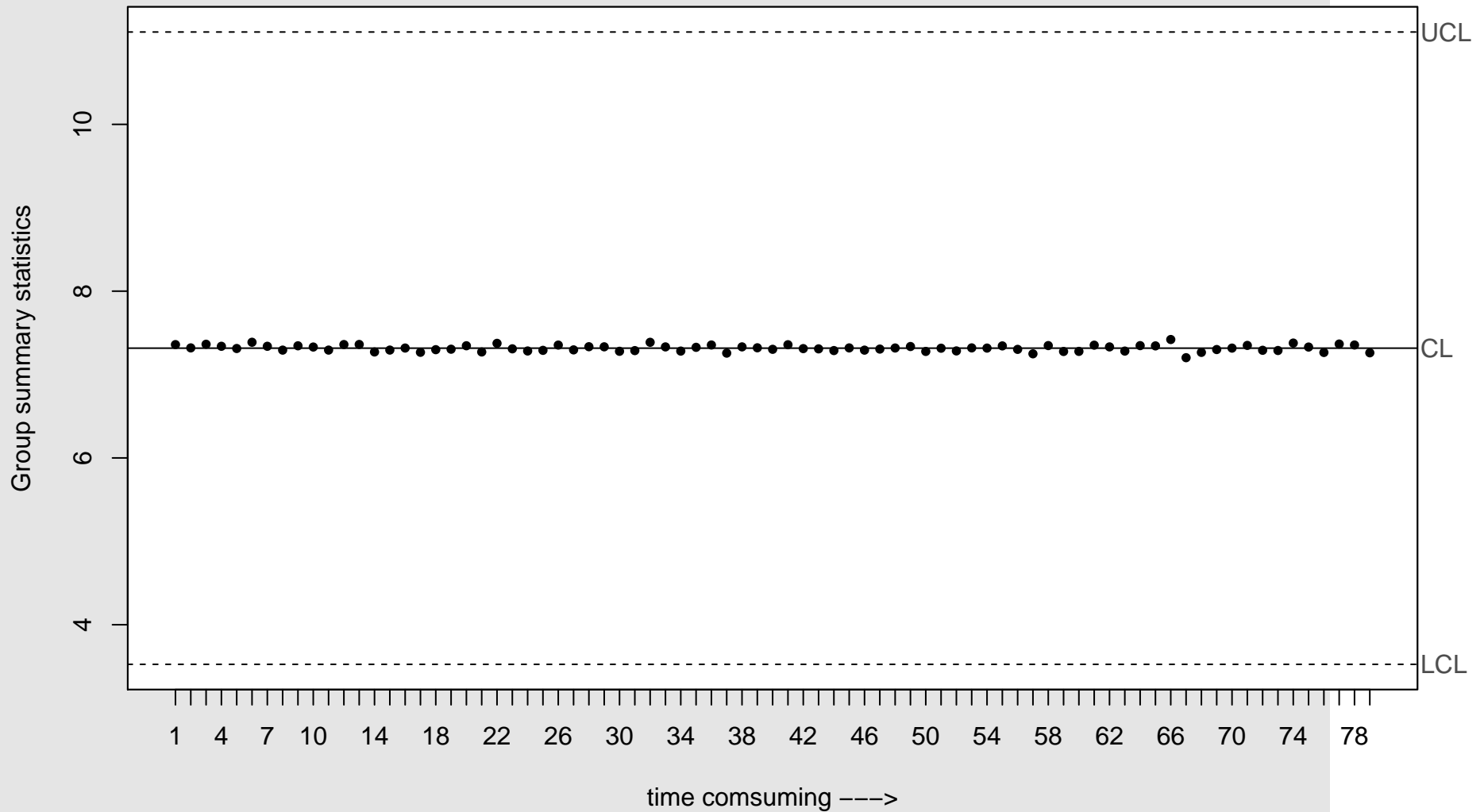
LCL = 165.7211

UCL = 172.443

Number beyond limits = 0

Number violating runs = 5

S chart for a given dataset



Number of groups = 79

Center = 7.316294

StdDev = 7.424619

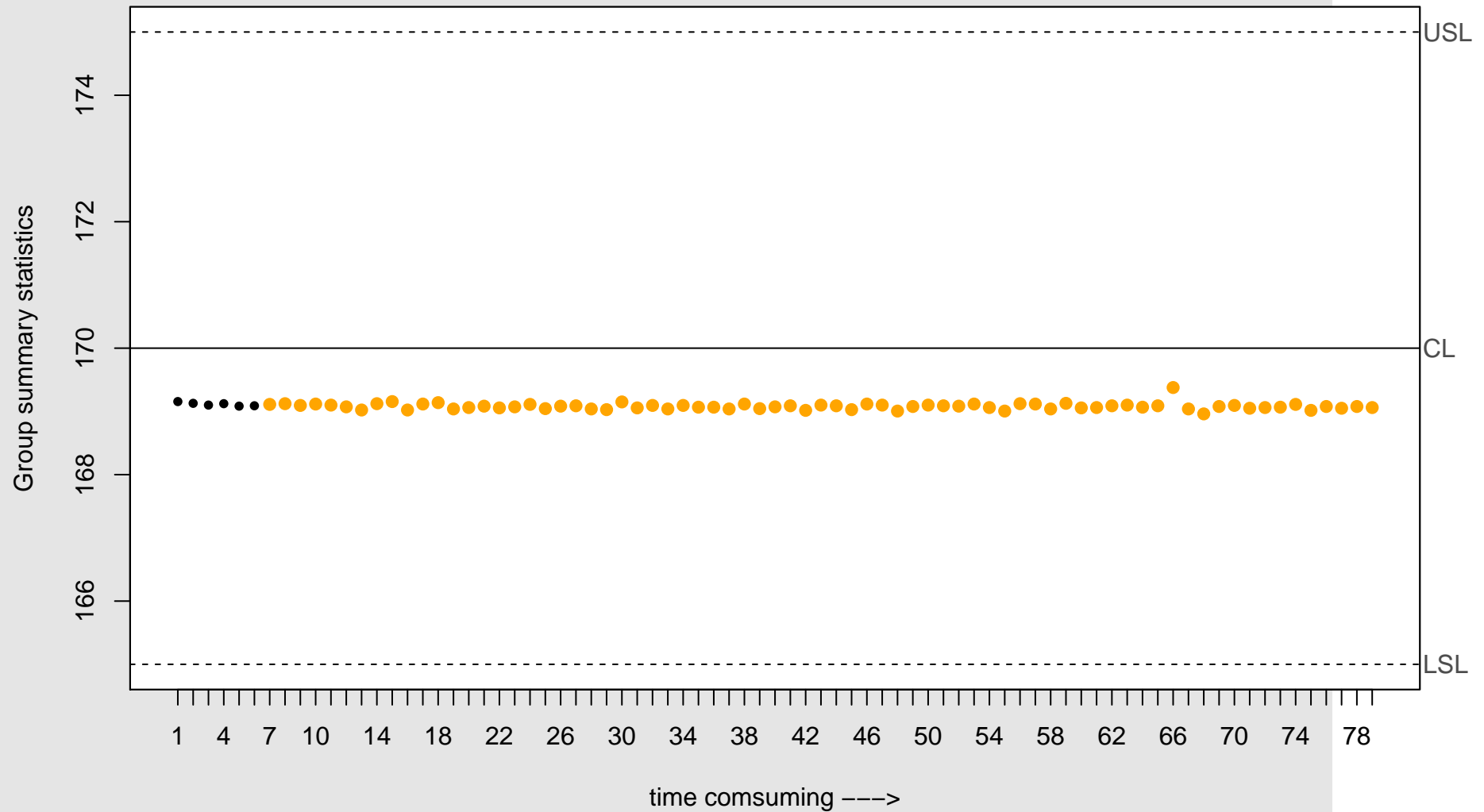
LCL = 3.525349

UCL = 11.10724

Number beyond limits = 0

Number violating runs = 0

X-bar chart using USL/LSL for a given dataset



Number of groups = 79

Center = 170

StdDev = 4.753095

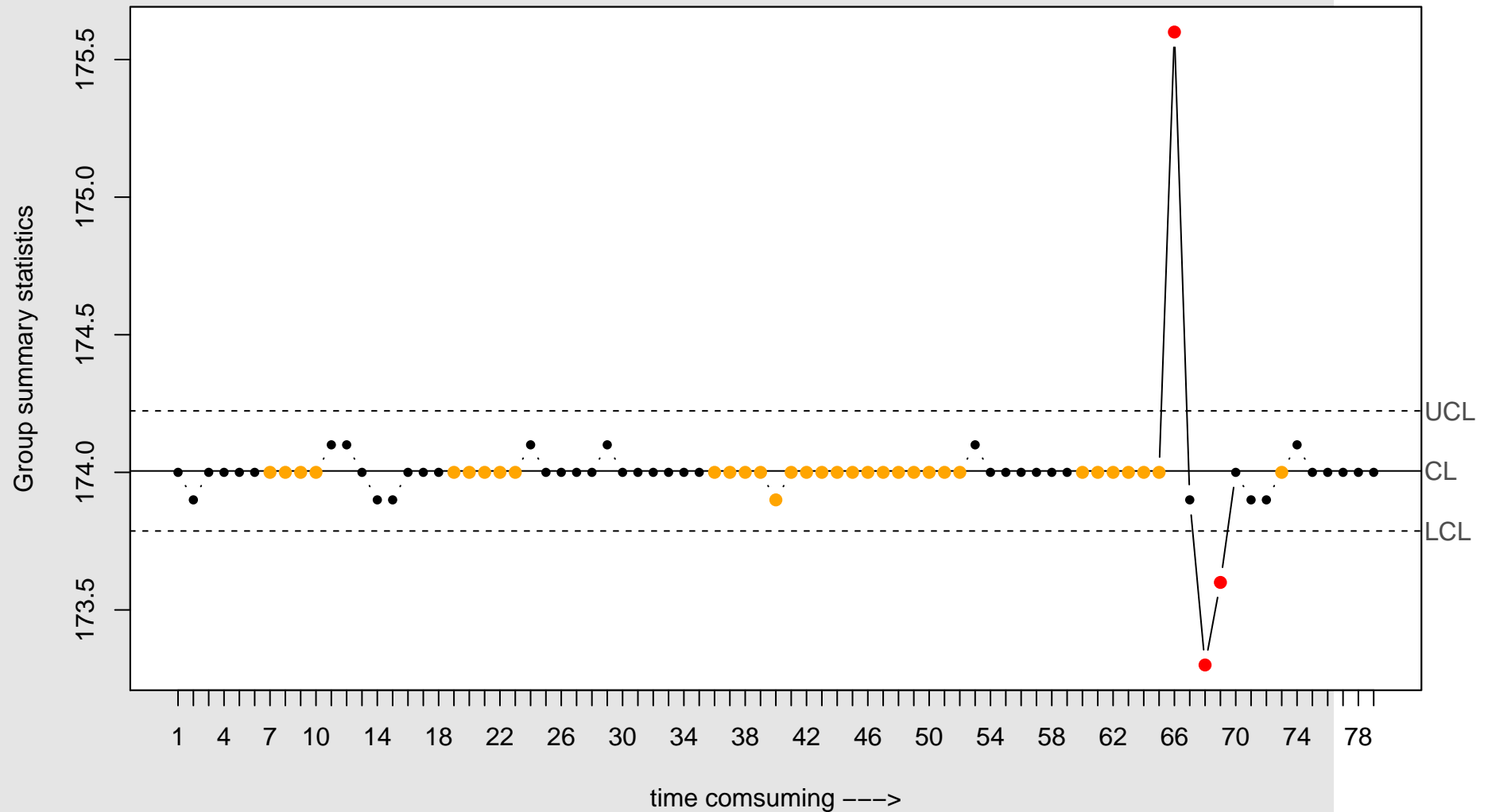
LCL = 165

UCL = 175

Number beyond limits = 0

Number violating runs = 73

1th column point of this product

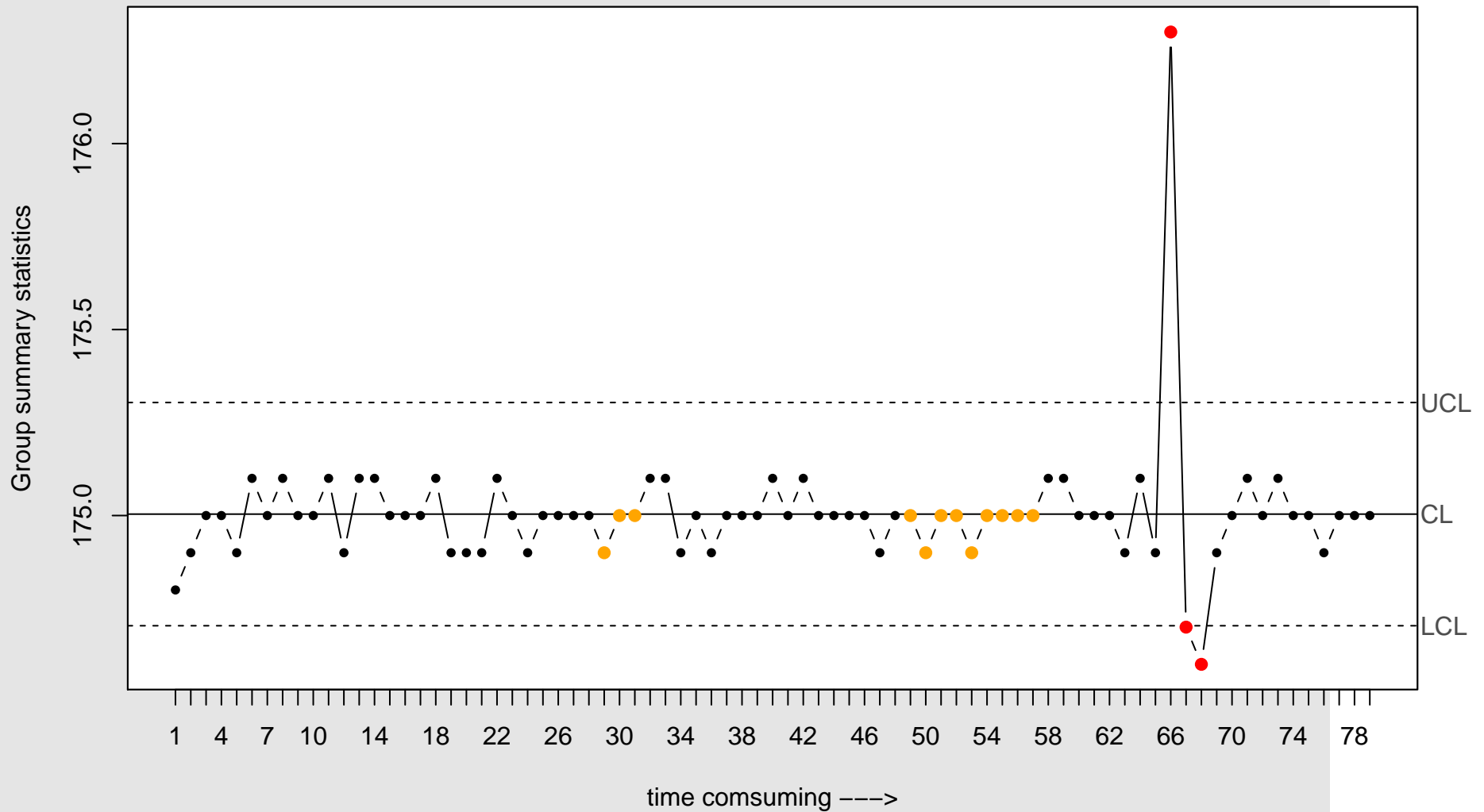


Number of groups = 79
Center = 174.0051
StdDev = 0.0727405

LCL = 173.7868
UCL = 174.2233

Number beyond limits = 3
Number violating runs = 33

2th column point of this product



Number of groups = 79

Center = 175.0038

StdDev = 0.1000182

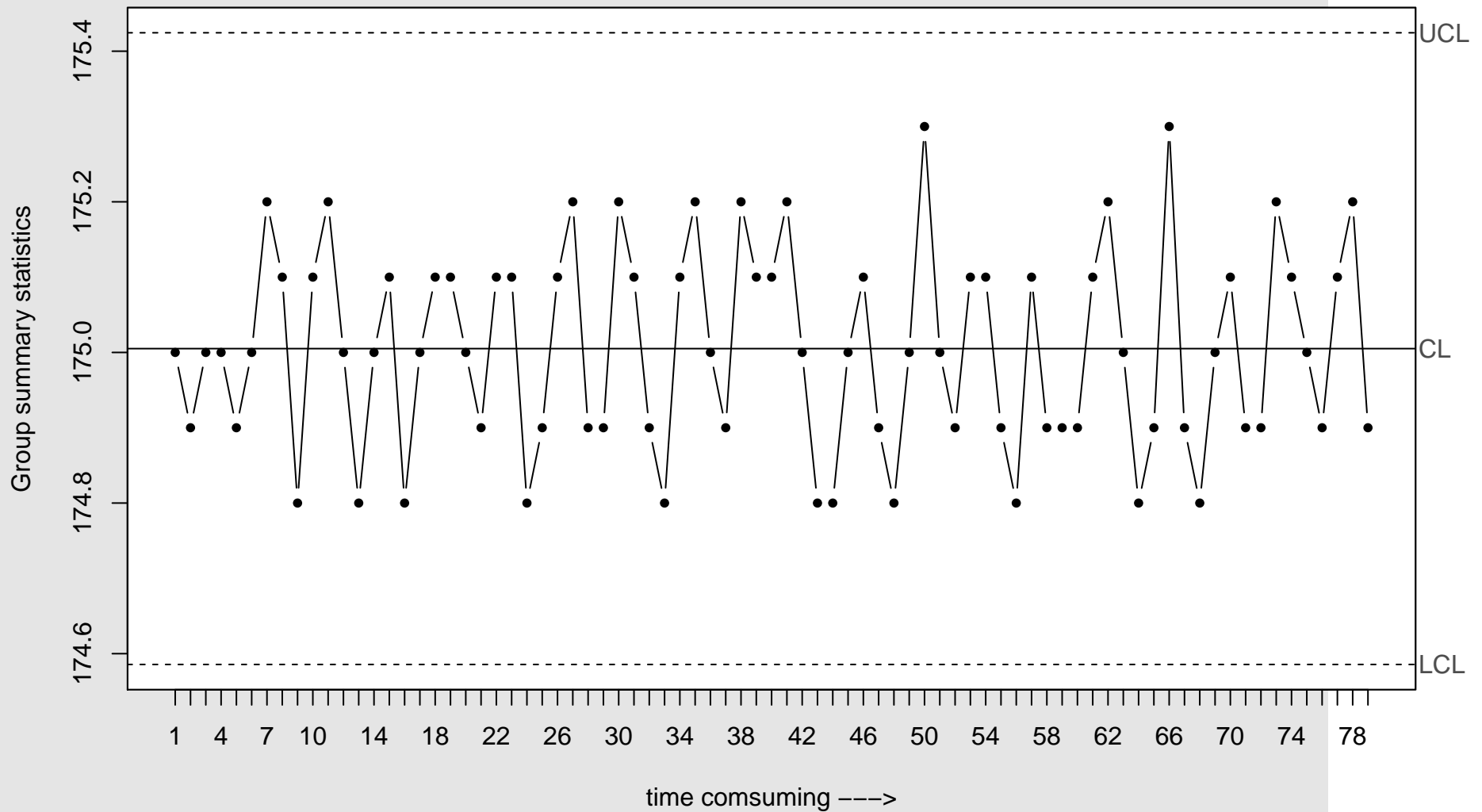
LCL = 174.7037

UCL = 175.3039

Number beyond limits = 3

Number violating runs = 12

3th column point of this product



Number of groups = 79

Center = 175.0051

StdDev = 0.1397981

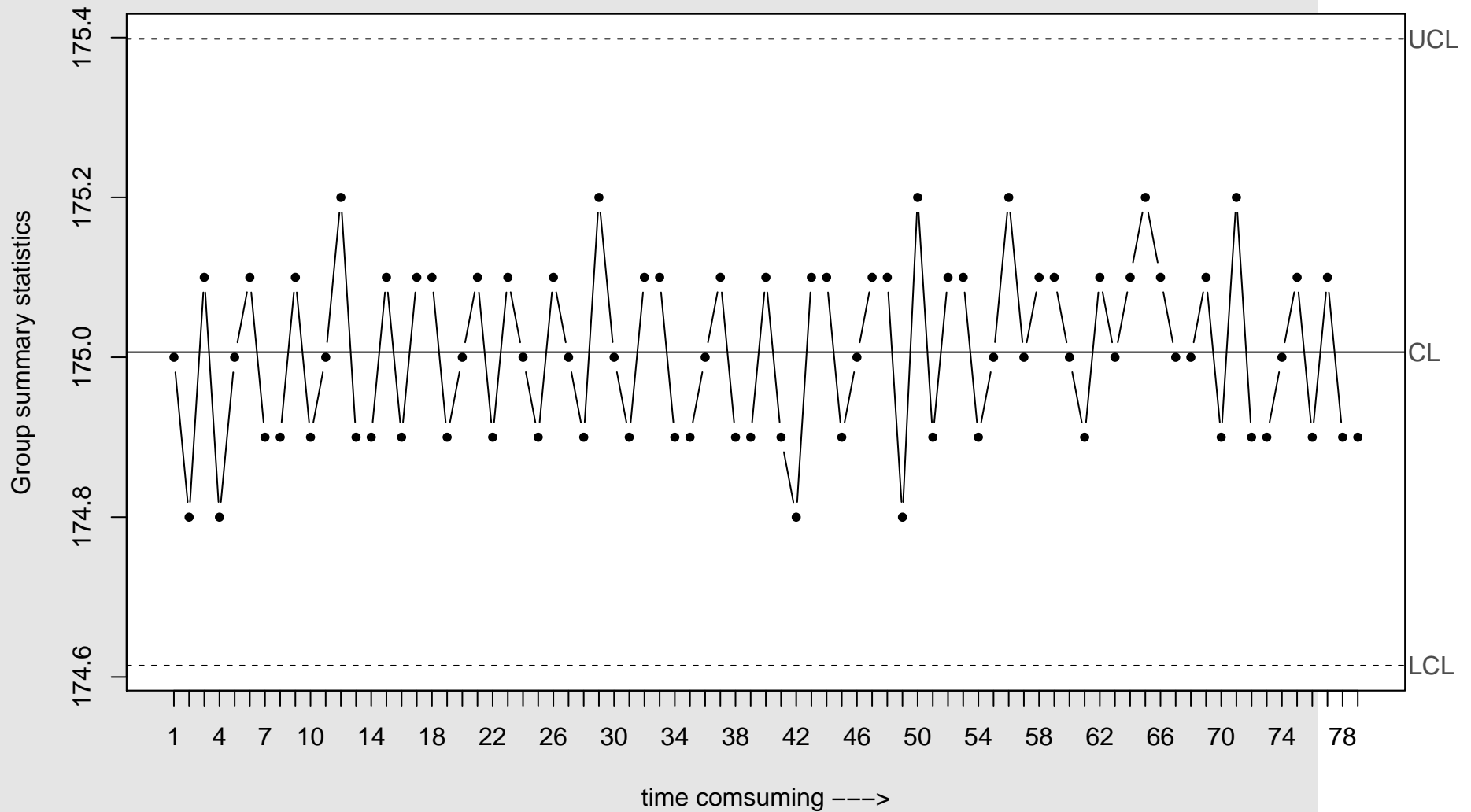
LCL = 174.5857

UCL = 175.4245

Number beyond limits = 0

Number violating runs = 0

4th column point of this product



Number of groups = 79

Center = 175.0063

StdDev = 0.1307056

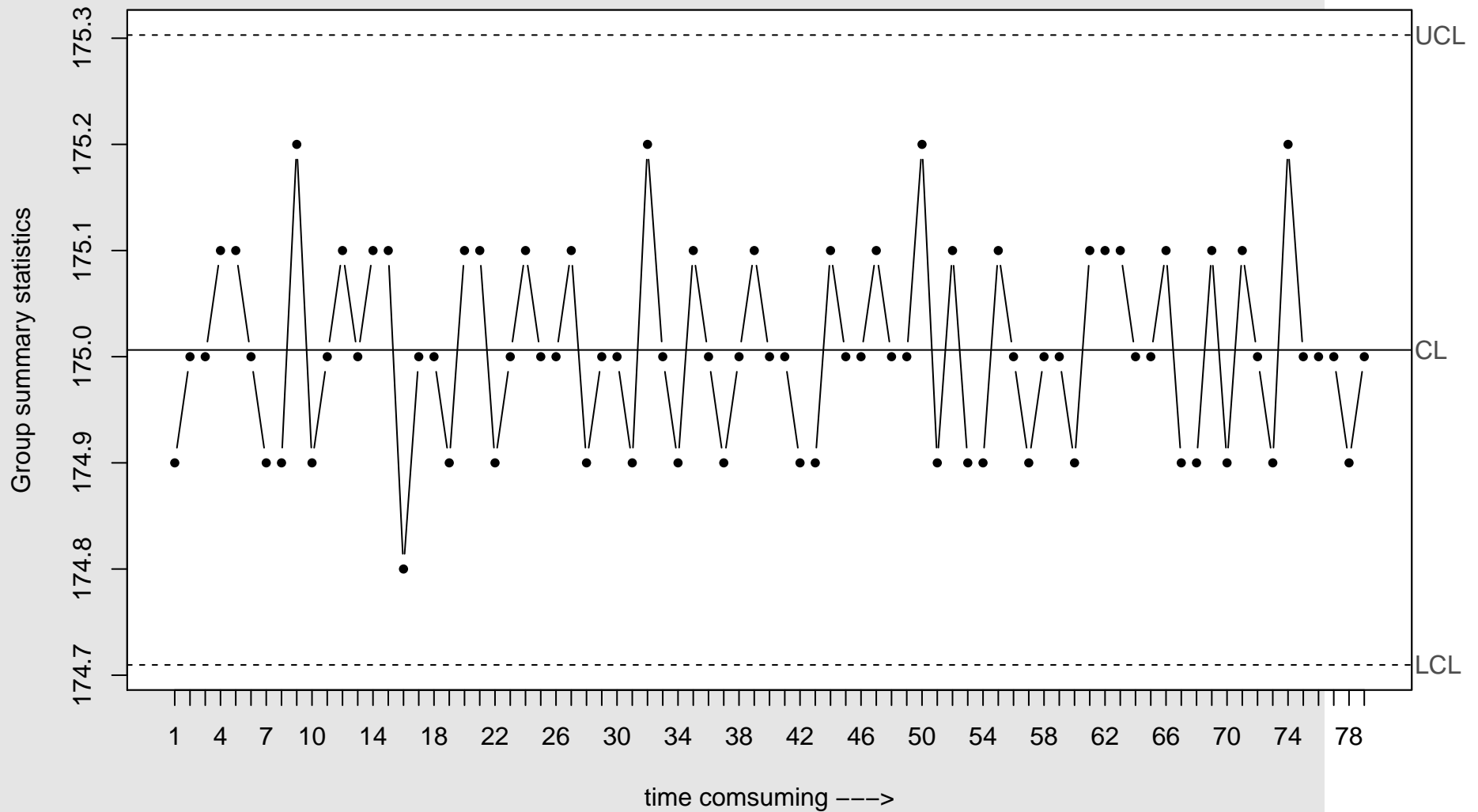
LCL = 174.6142

UCL = 175.3984

Number beyond limits = 0

Number violating runs = 0

5th column point of this product

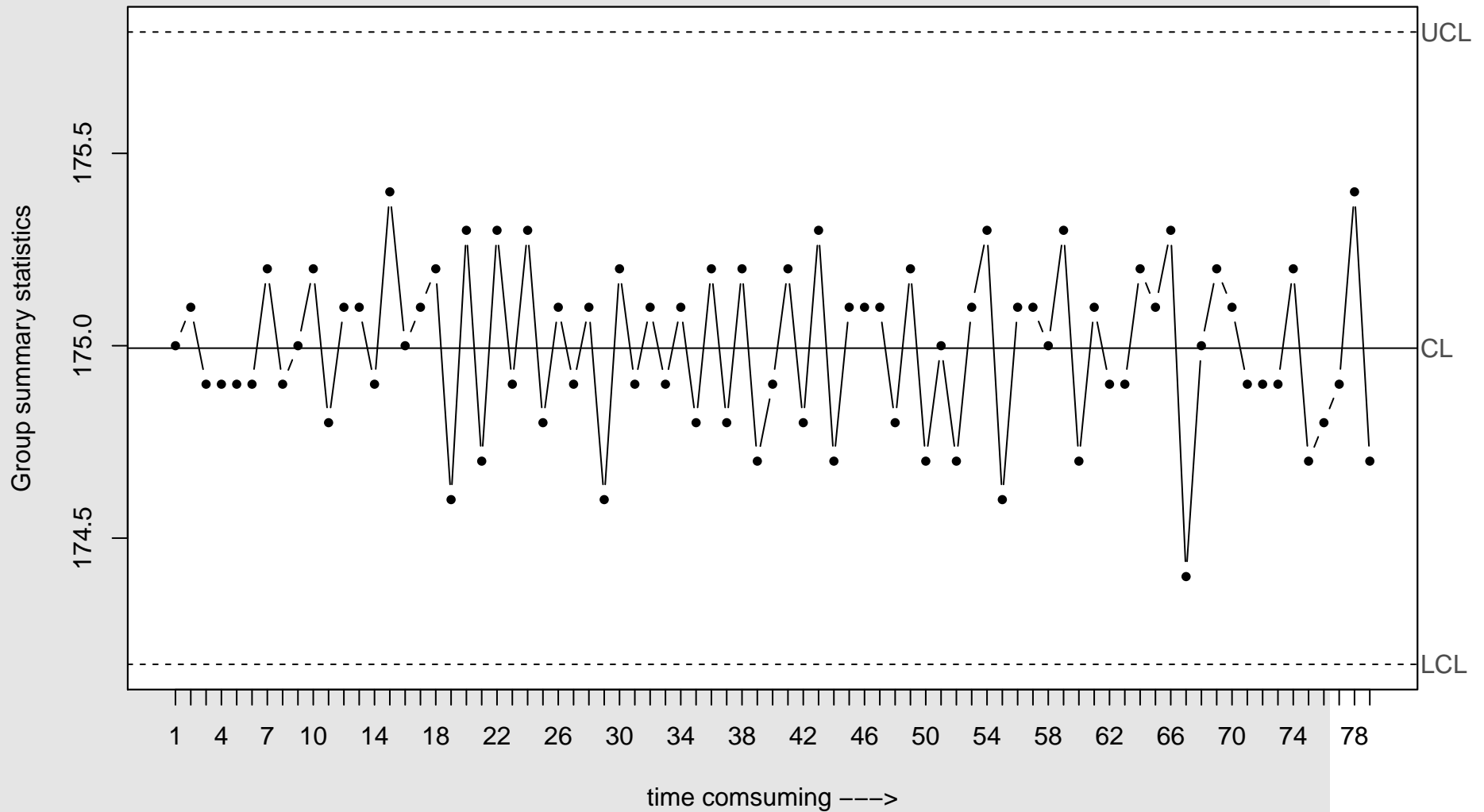


Number of groups = 79
Center = 175.0063
StdDev = 0.09888161

LCL = 174.7097
UCL = 175.303

Number beyond limits = 0
Number violating runs = 0

6th column point of this product



Number of groups = 79

Center = 174.9937

StdDev = 0.2739134

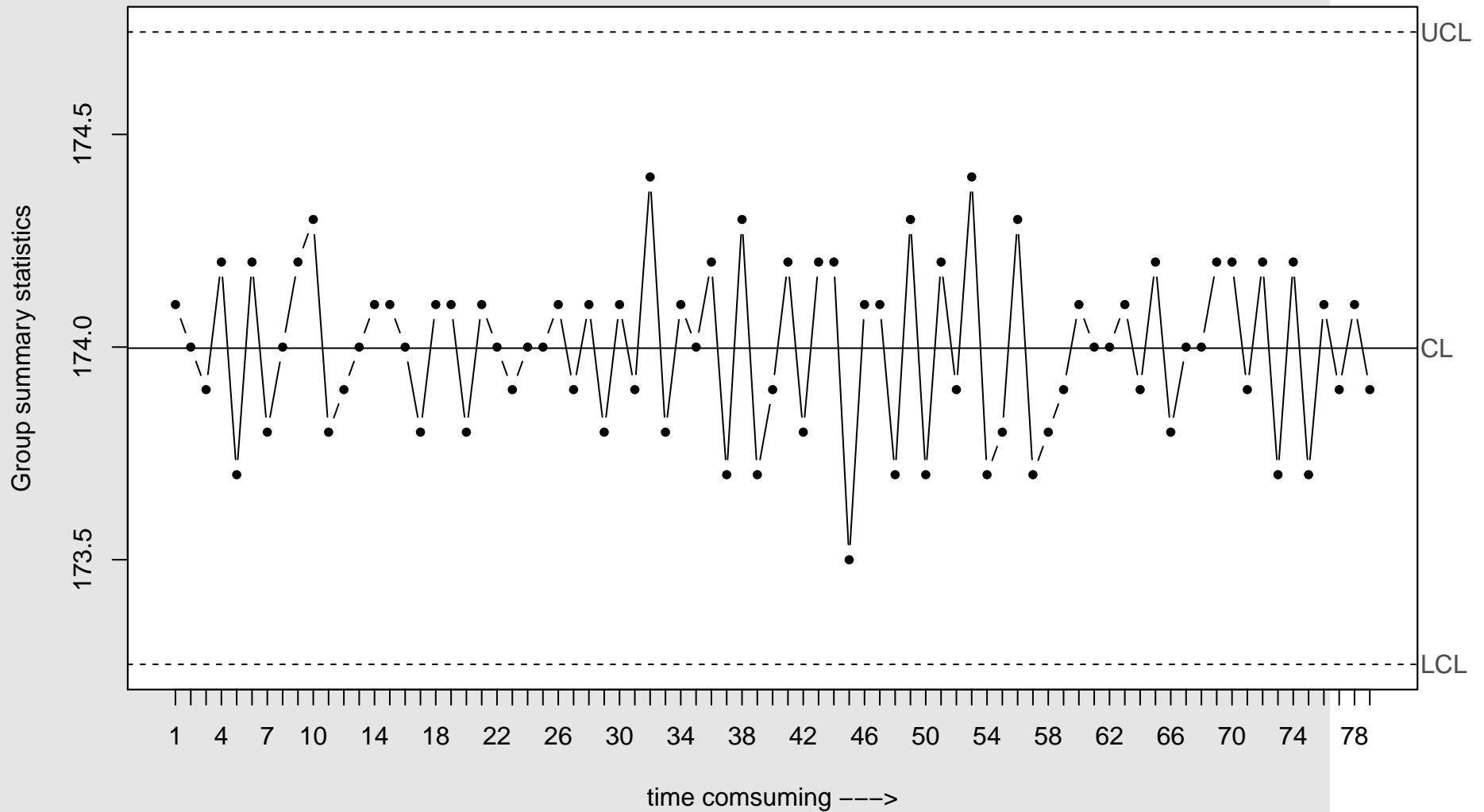
LCL = 174.1719

UCL = 175.8154

Number beyond limits = 0

Number violating runs = 0

7th column point of this product



Number of groups = 79

Center = 173.9975

StdDev = 0.2477723

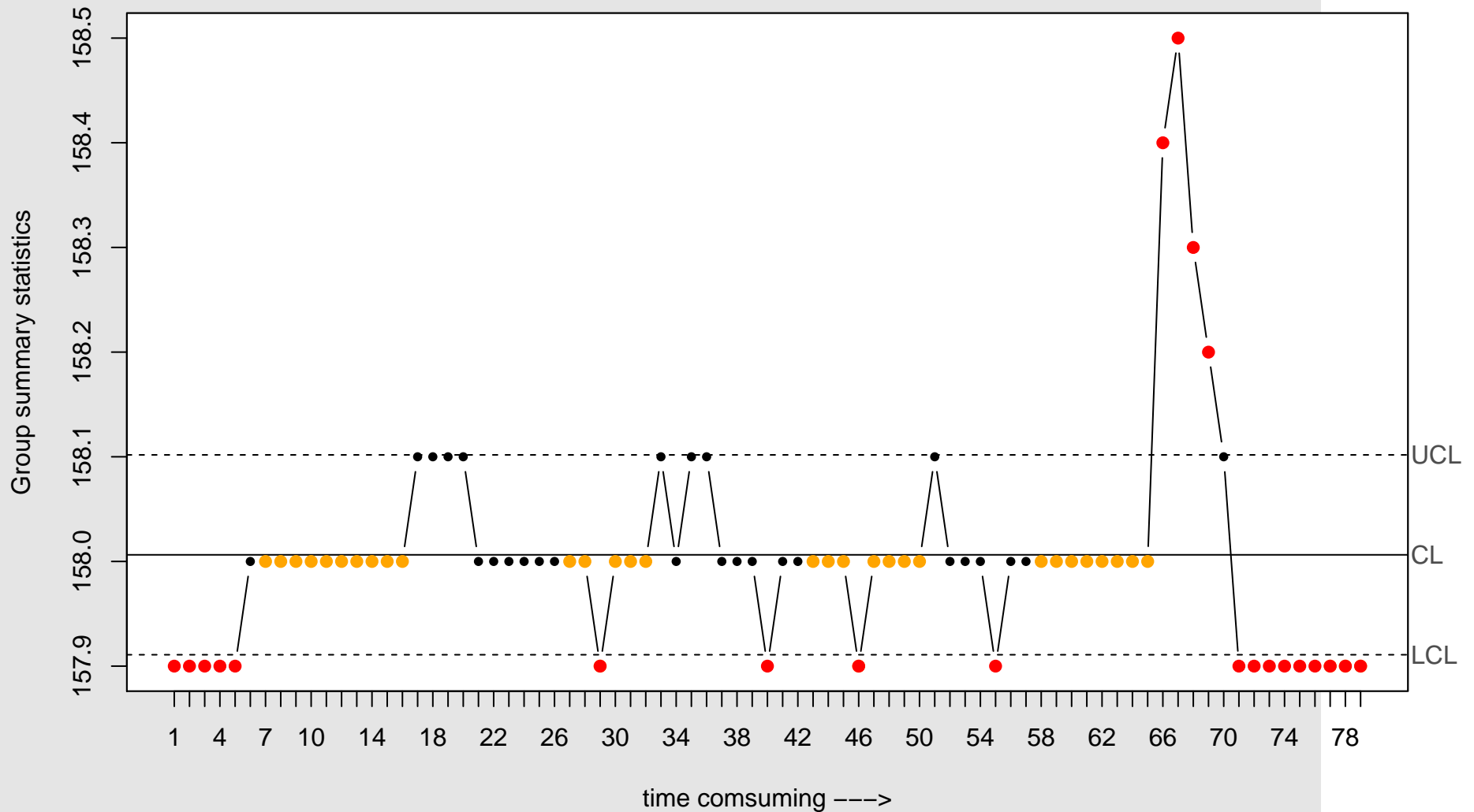
LCL = 173.2542

UCL = 174.7408

Number beyond limits = 0

Number violating runs = 0

8th column point of this product

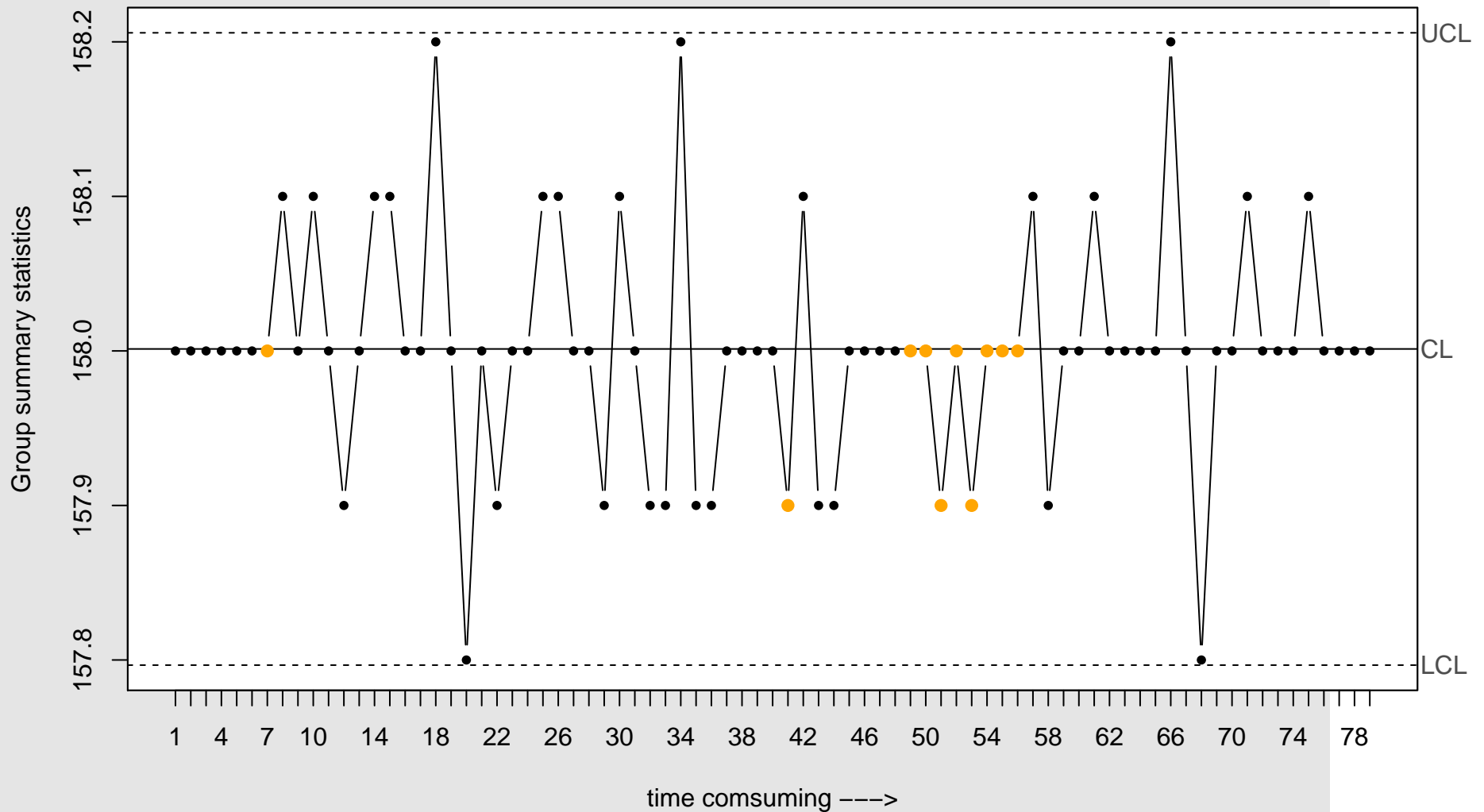


Number of groups = 79
Center = 158.0063
StdDev = 0.03182397

LCL = 157.9109
UCL = 158.1018

Number beyond limits = 22
Number violating runs = 35

9th column point of this product

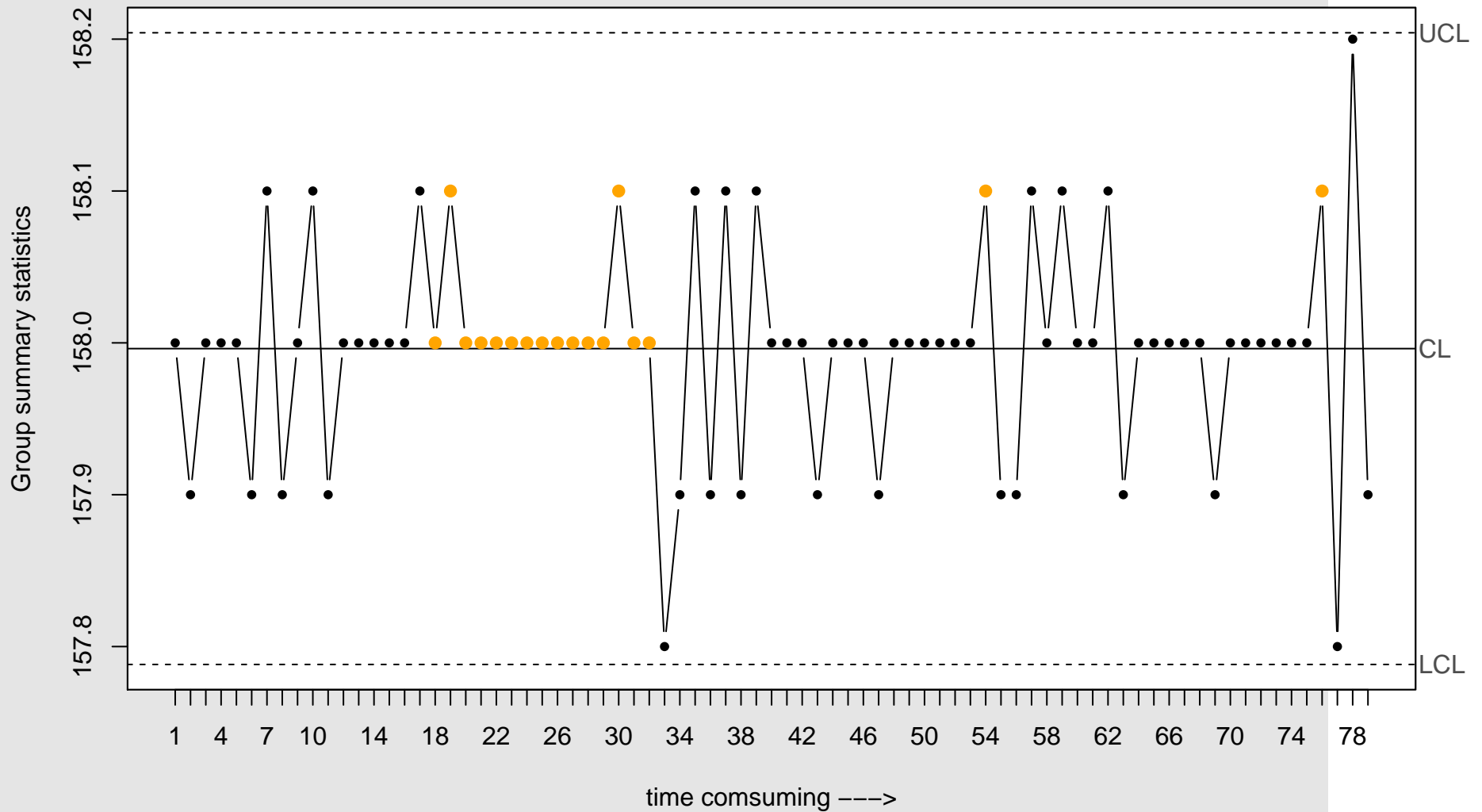


Number of groups = 79
Center = 158.0013
StdDev = 0.06819422

LCL = 157.7967
UCL = 158.2058

Number beyond limits = 0
Number violating runs = 10

10th column point of this product

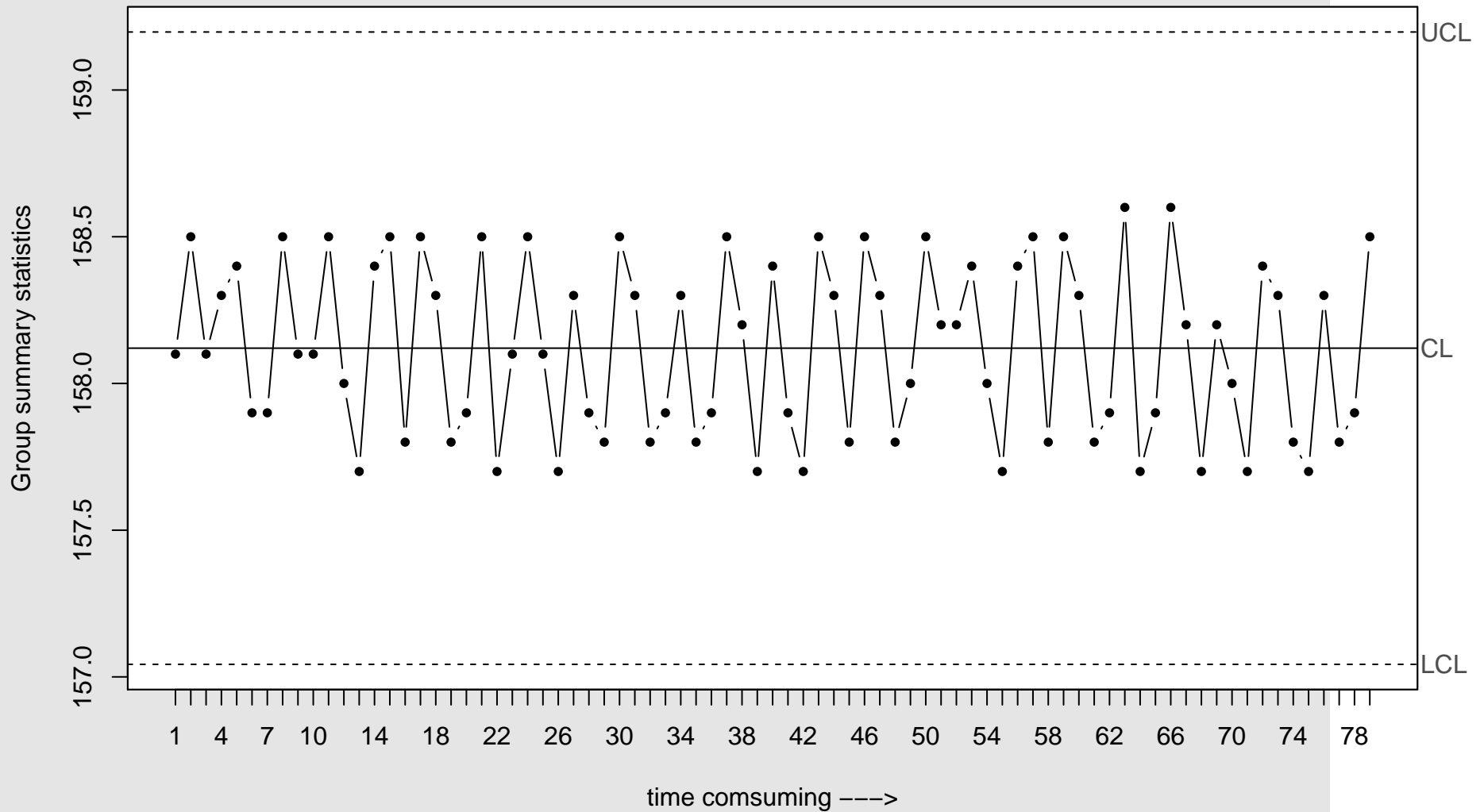


Number of groups = 79
Center = 157.9962
StdDev = 0.06933079

LCL = 157.7882
UCL = 158.2042

Number beyond limits = 0
Number violating runs = 17

11th column point of this product



Number of groups = 79

Center = 158.1203

StdDev = 0.3591562

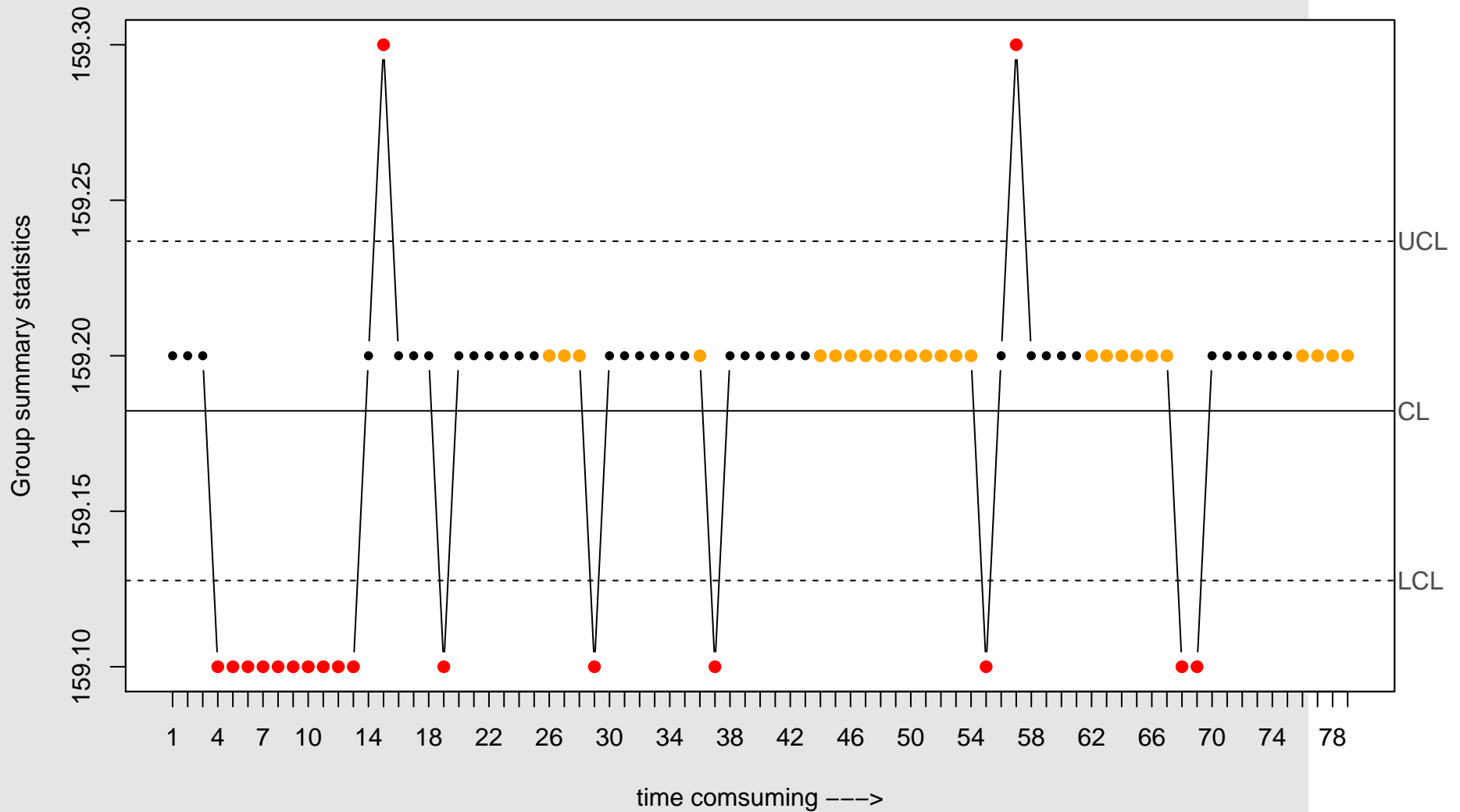
LCL = 157.0428

UCL = 159.1977

Number beyond limits = 0

Number violating runs = 0

12th column point of this product



Number of groups = 79

Center = 159.1823

StdDev = 0.01818512

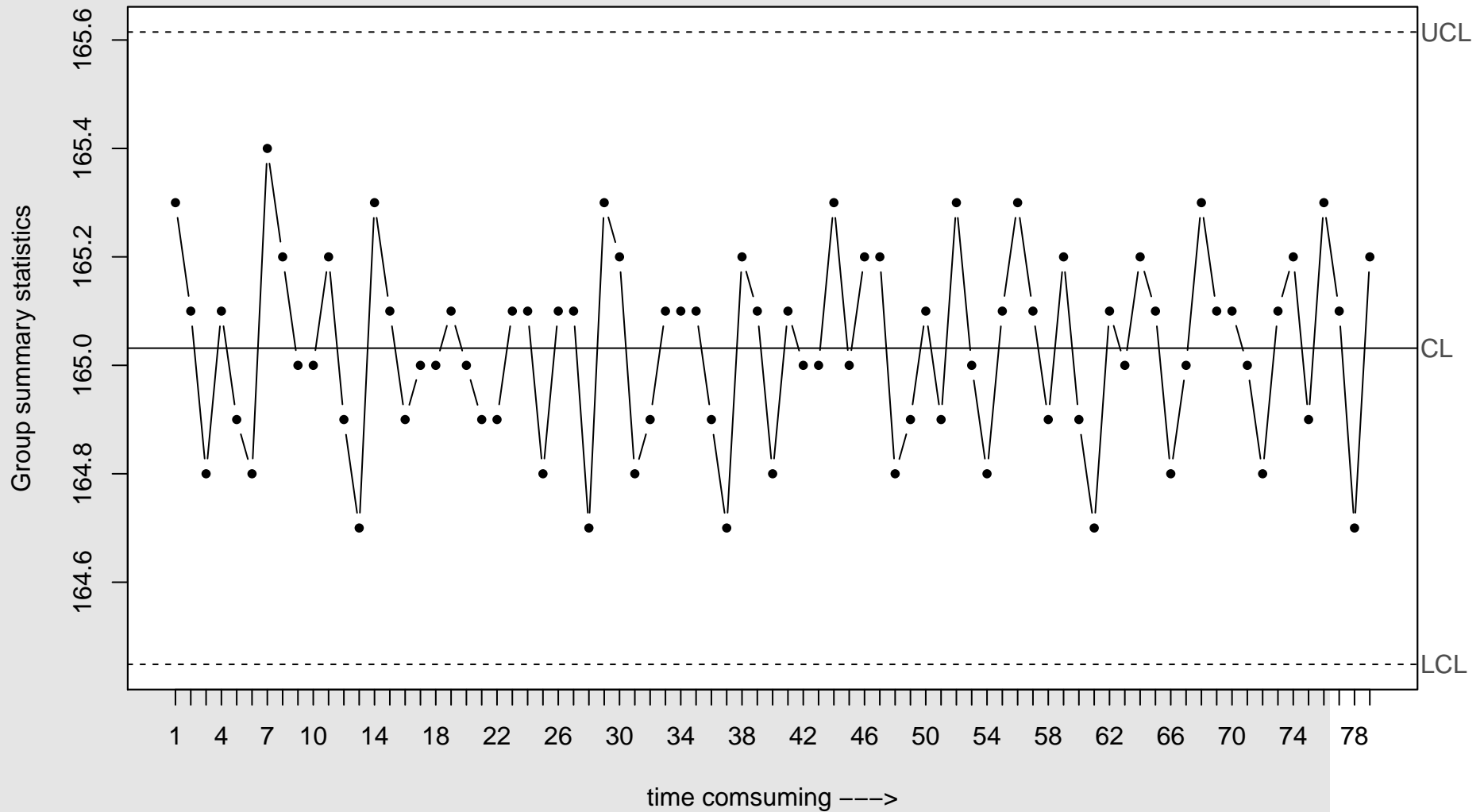
LCL = 159.1277

UCL = 159.2368

Number beyond limits = 18

Number violating runs = 29

13th column point of this product



Number of groups = 79

Center = 165.0316

StdDev = 0.1943535

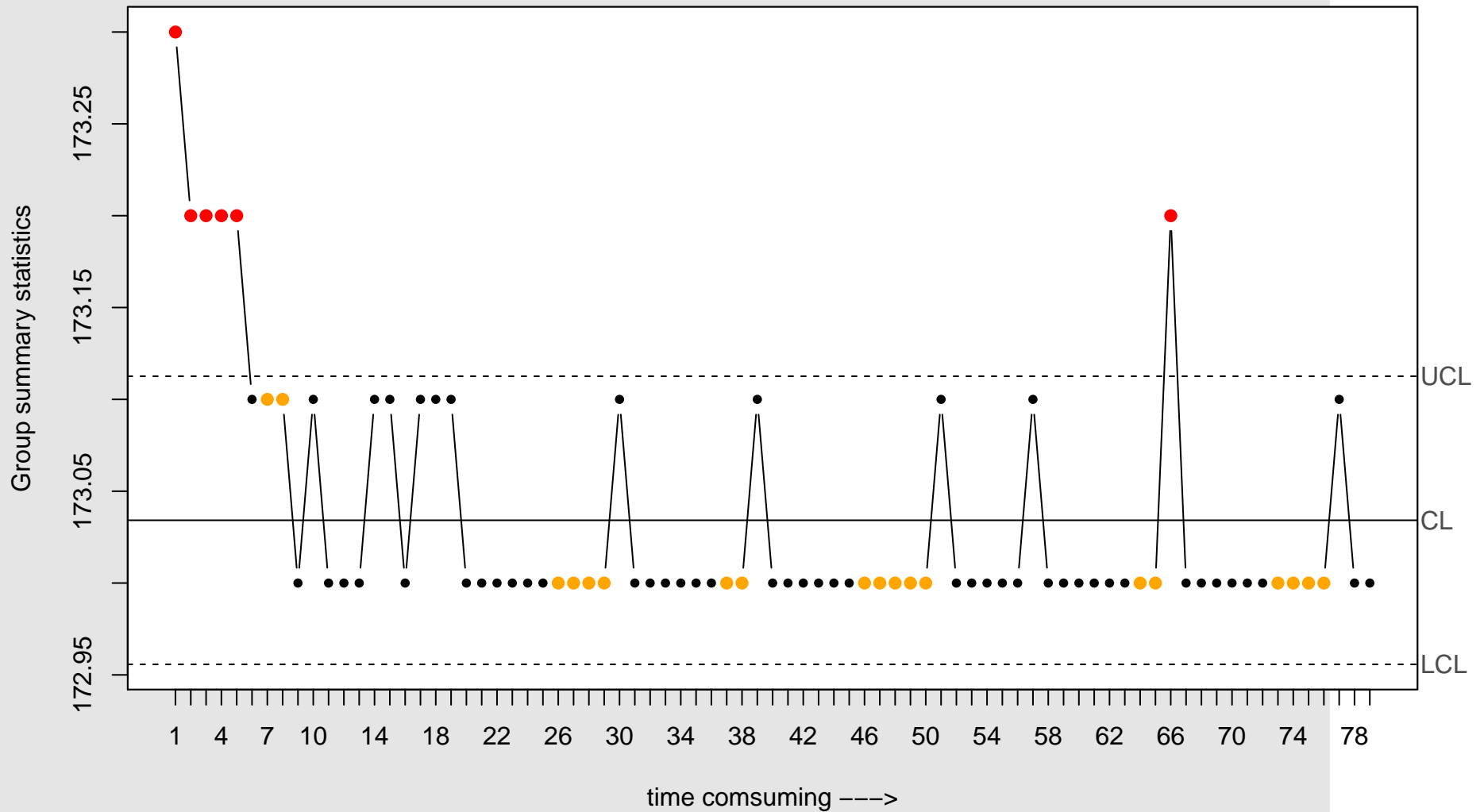
LCL = 164.4486

UCL = 165.6147

Number beyond limits = 0

Number violating runs = 0

14th column point of this product

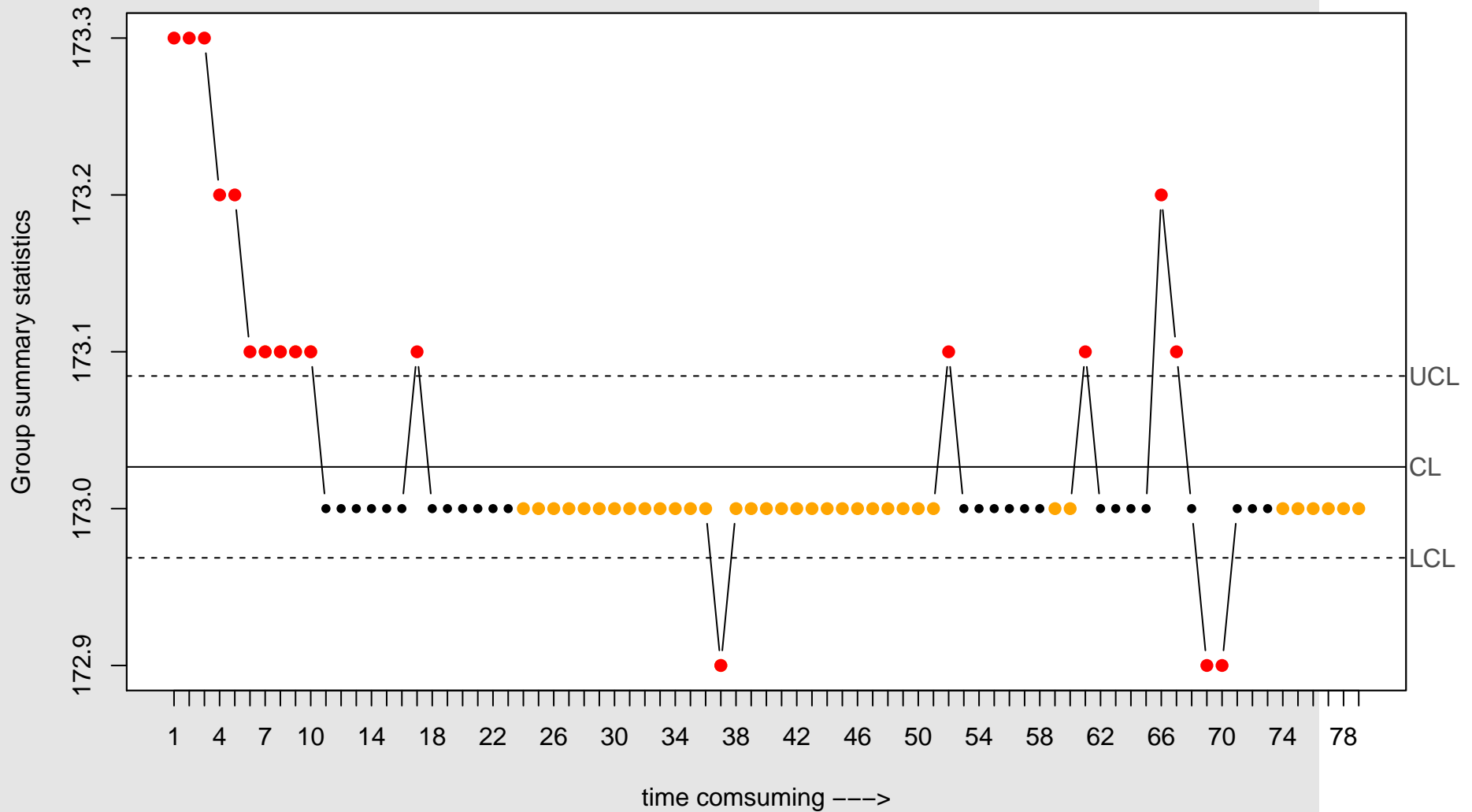


Number of groups = 79
Center = 173.0342
StdDev = 0.02614112

LCL = 172.9558
UCL = 173.1126

Number beyond limits = 6
Number violating runs = 19

15th column point of this product

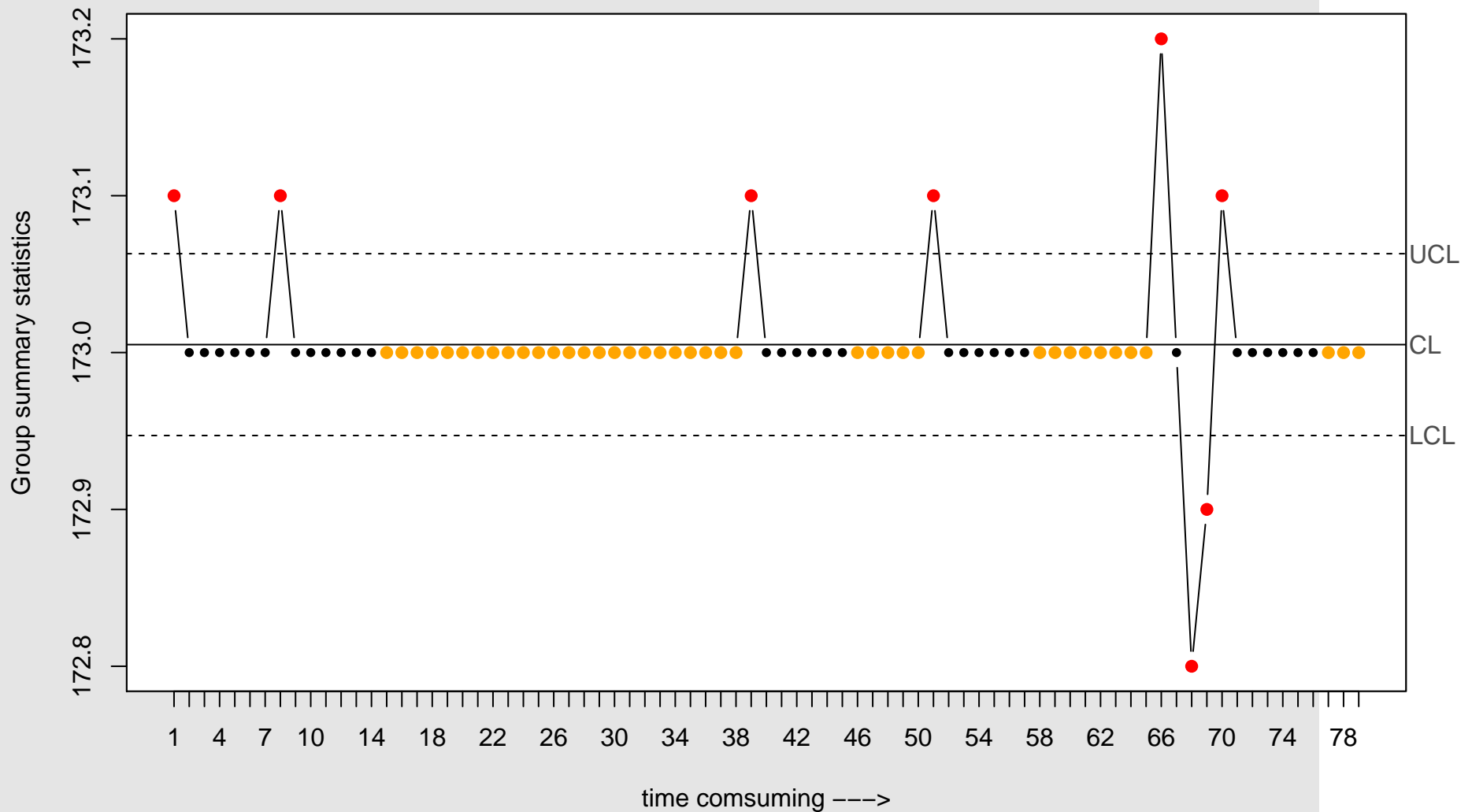


Number of groups = 79
 Center = 173.0266
 StdDev = 0.01932169

LCL = 172.9686
 UCL = 173.0845

Number beyond limits = 18
 Number violating runs = 40

16th column point of this product

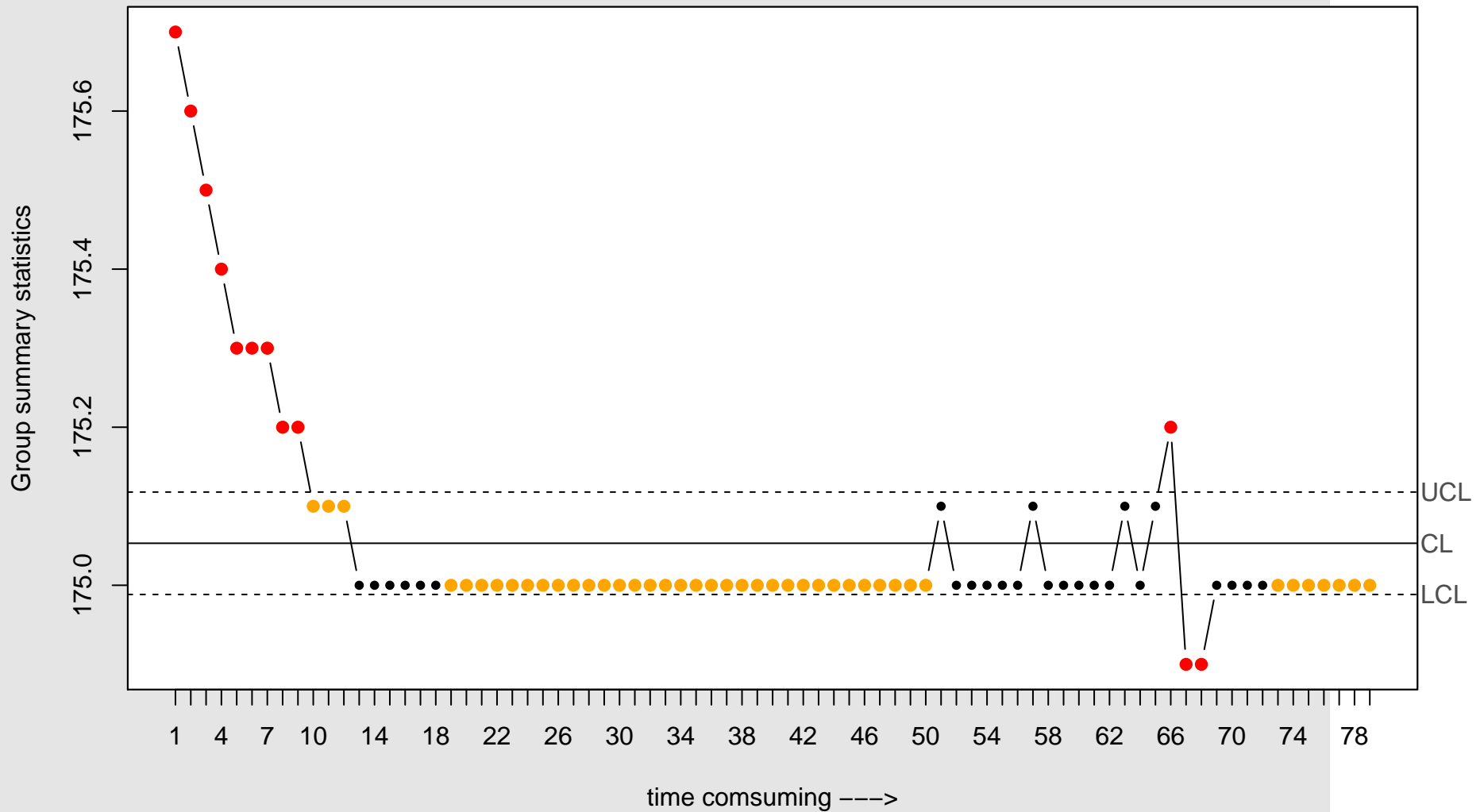


Number of groups = 79
Center = 173.0051
StdDev = 0.01932169

LCL = 172.9471
UCL = 173.063

Number beyond limits = 8
Number violating runs = 40

17th column point of this product

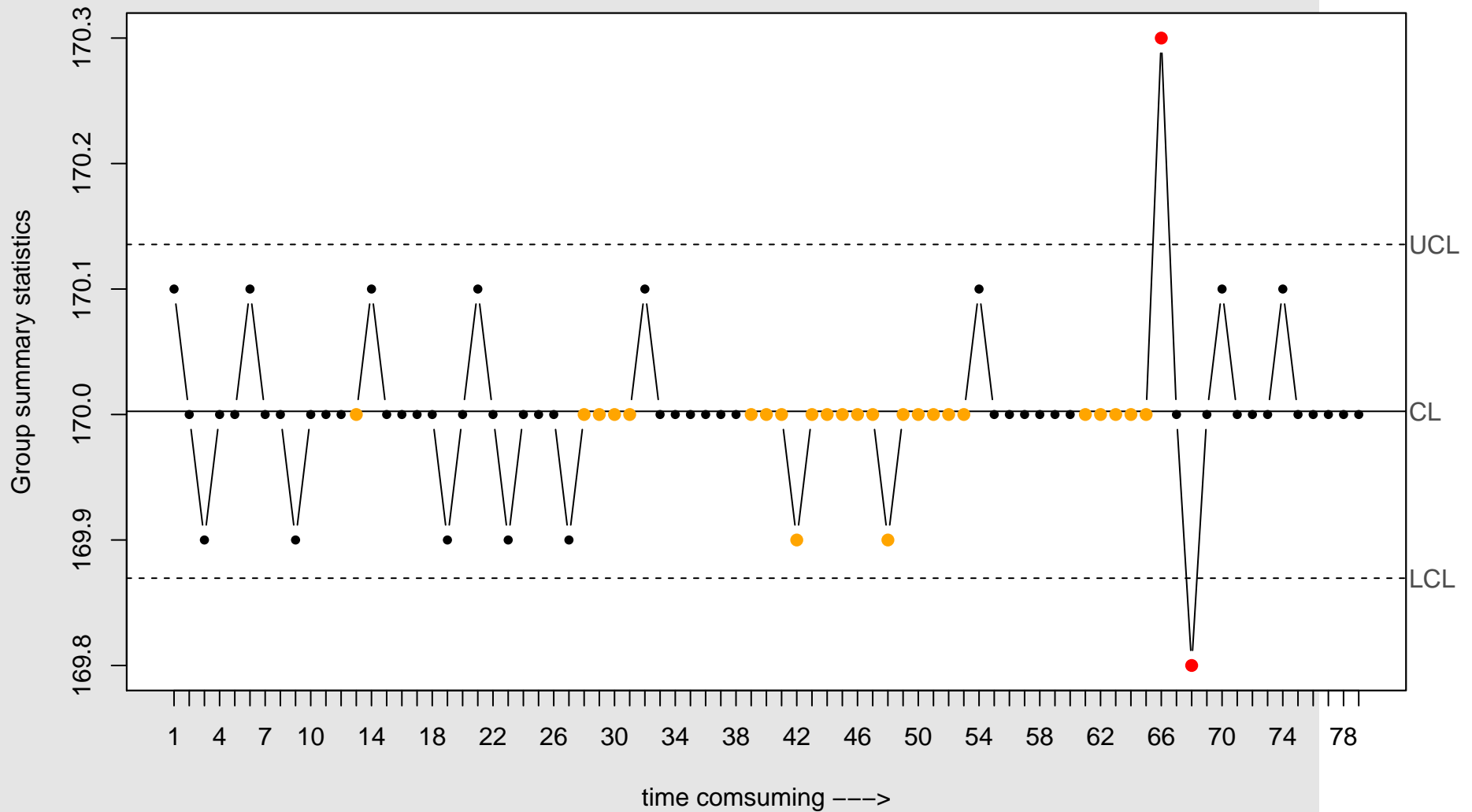


Number of groups = 79
 Center = 175.0532
 StdDev = 0.02159484

LCL = 174.9884
 UCL = 175.1179

Number beyond limits = 12
 Number violating runs = 45

18th column point of this product



Number of groups = 79

Center = 170.0025

StdDev = 0.04432624

LCL = 169.8696

UCL = 170.1355

Number beyond limits = 2

Number violating runs = 25