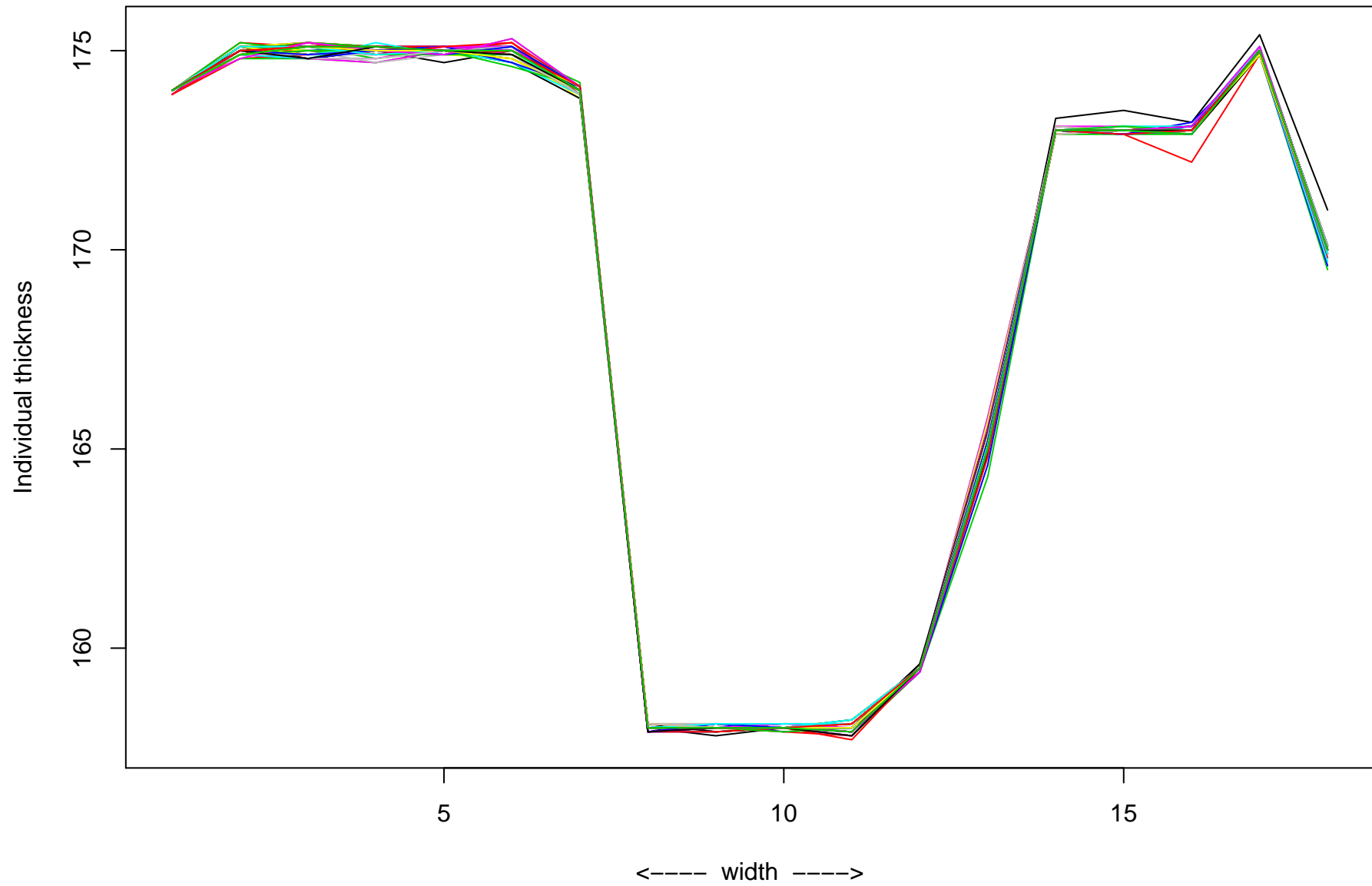
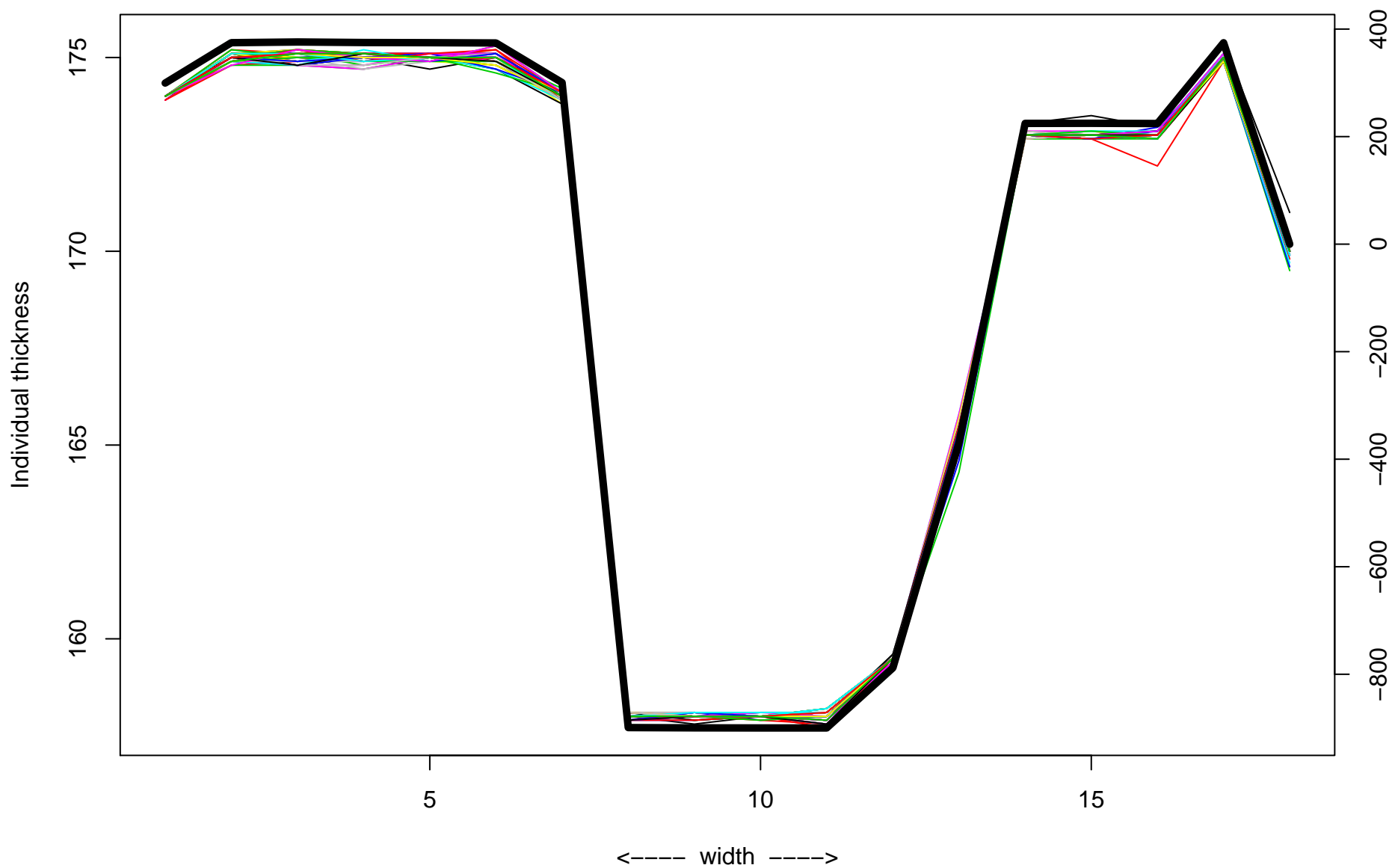


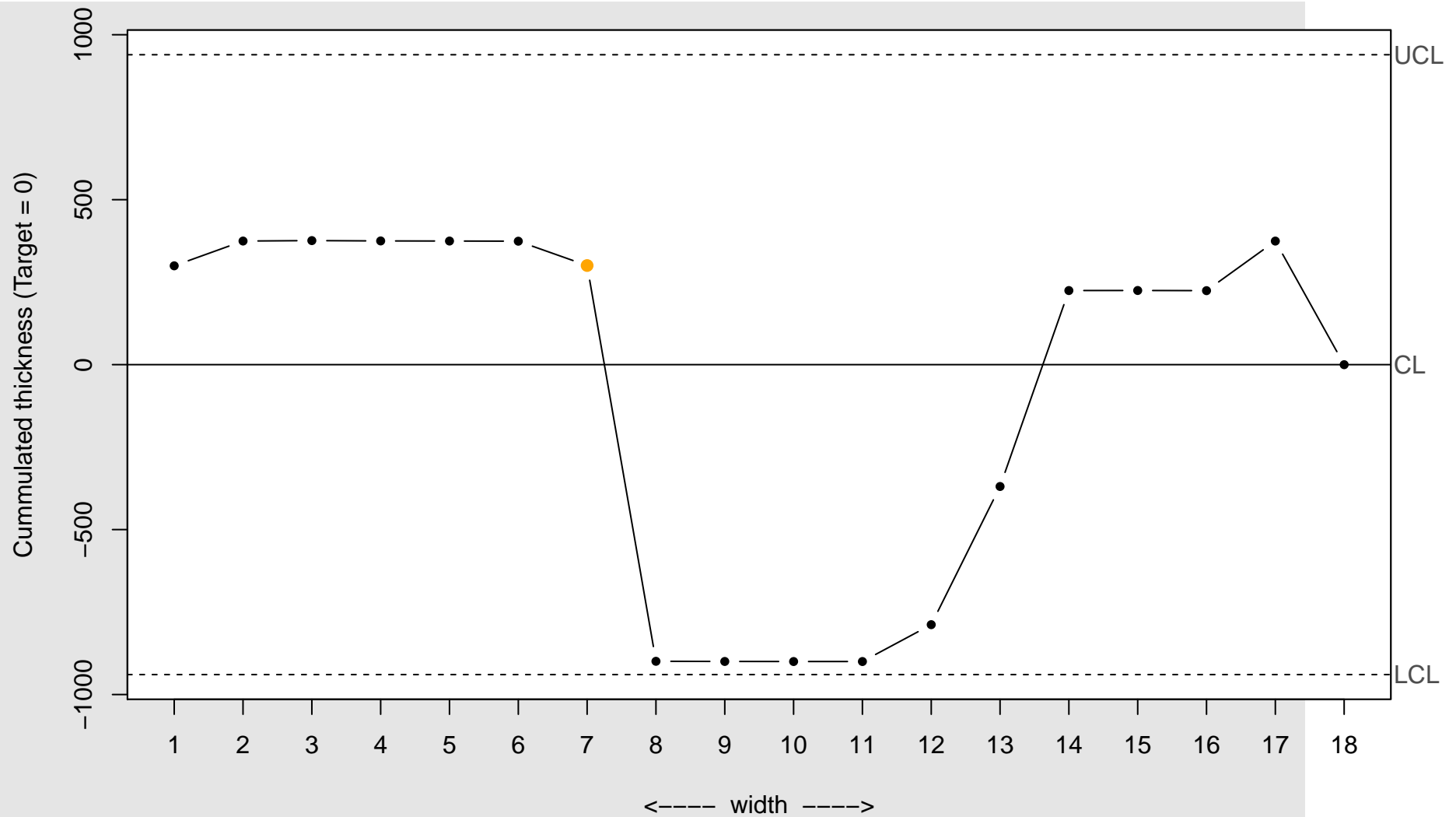
Individual thickness only



Simulated thickness



Simulated thickness



Number of groups = 18

Center = 0

StdDev = 156.5759

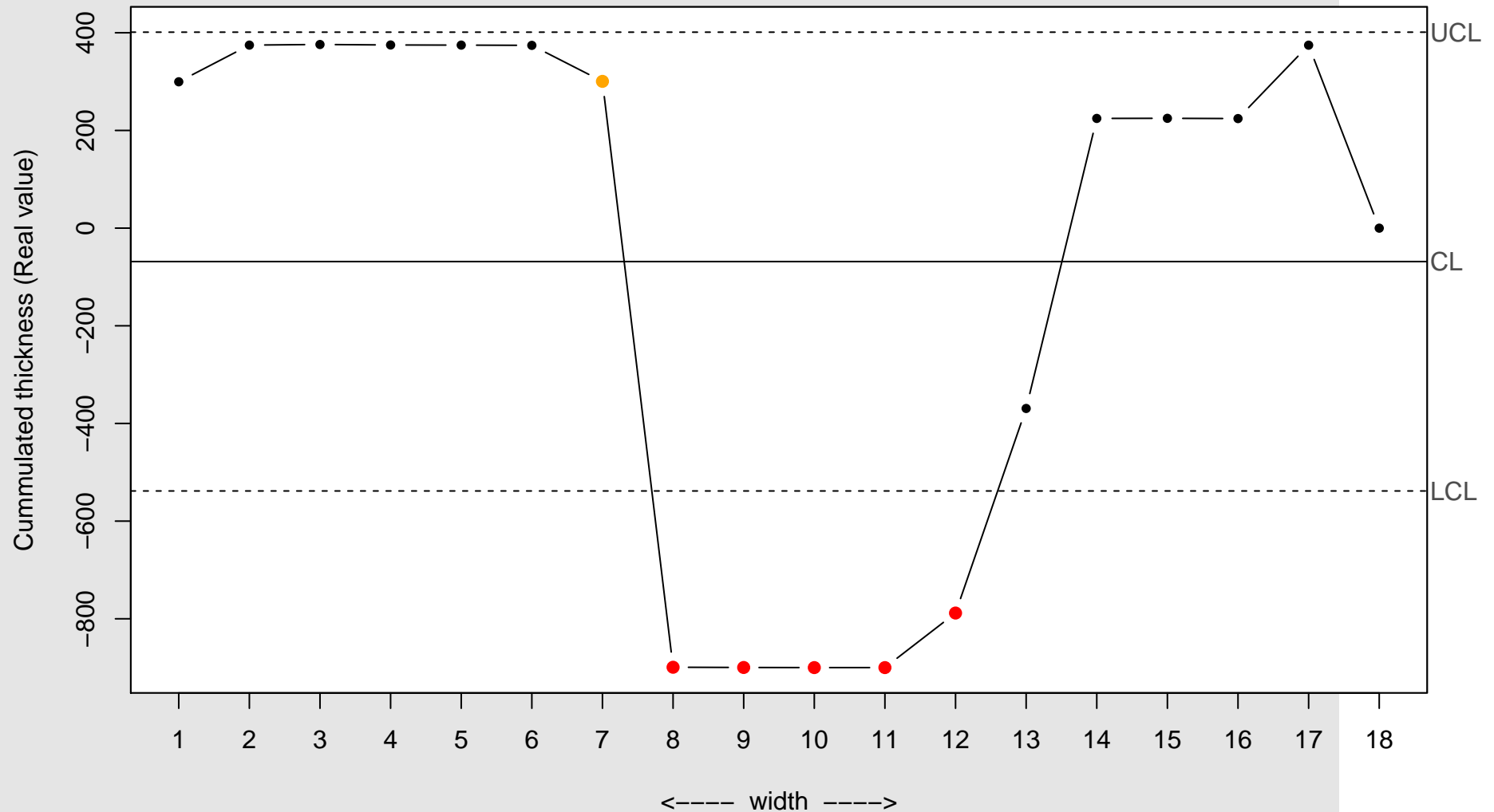
LCL = -939.4556

UCL = 939.4556

Number beyond limits = 0

Number violating runs = 1

Simulated thickness: Cpk is -0.02165 and z is -1.565 .

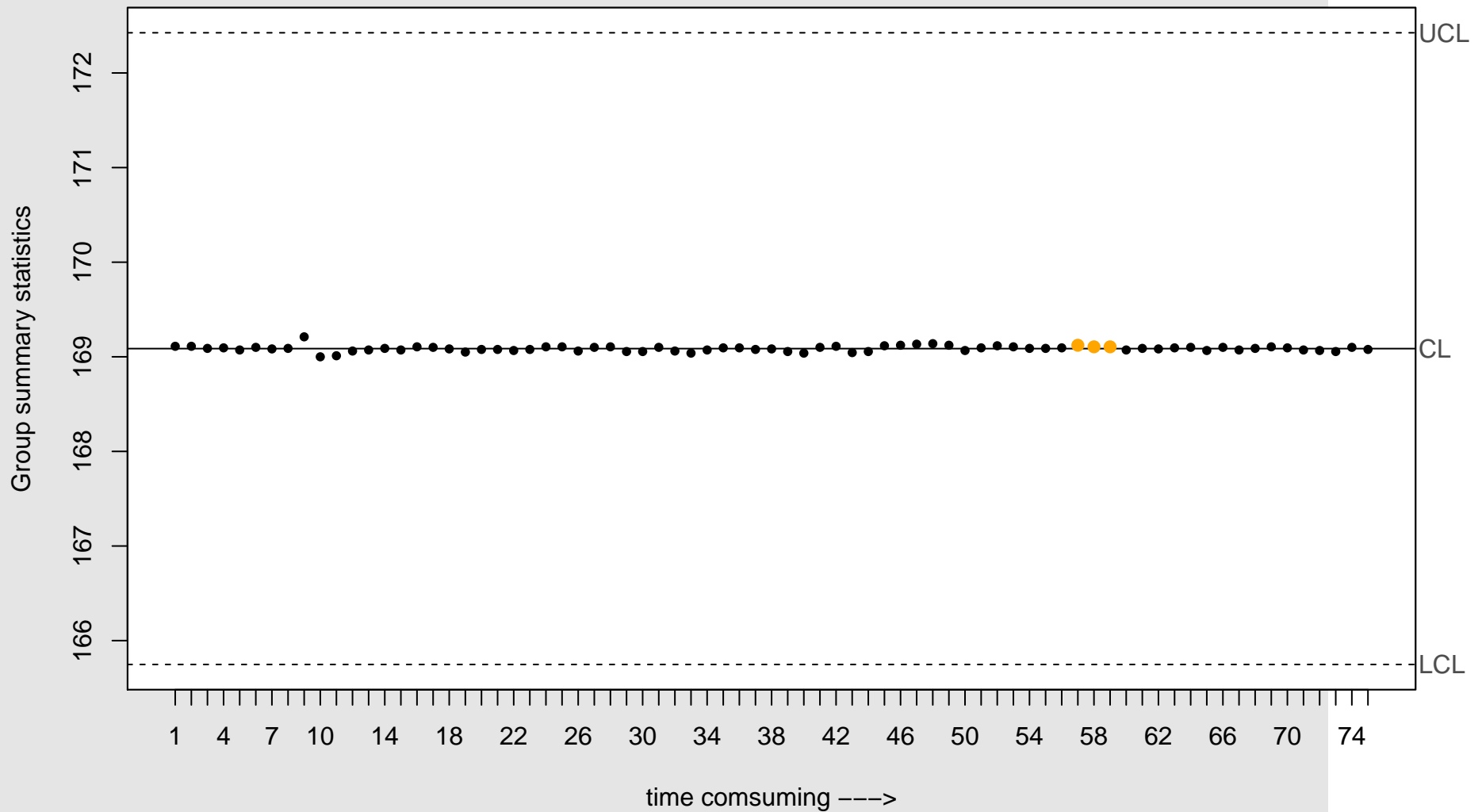


Number of groups = 18
Center = -68.51667
StdDev = 156.5759

LCL = -538.2445
UCL = 401.2111

Number beyond limits = 5
Number violating runs = 1

X-bar chart for a given dataset



Number of groups = 75

Center = 169.0864

StdDev = 4.721245

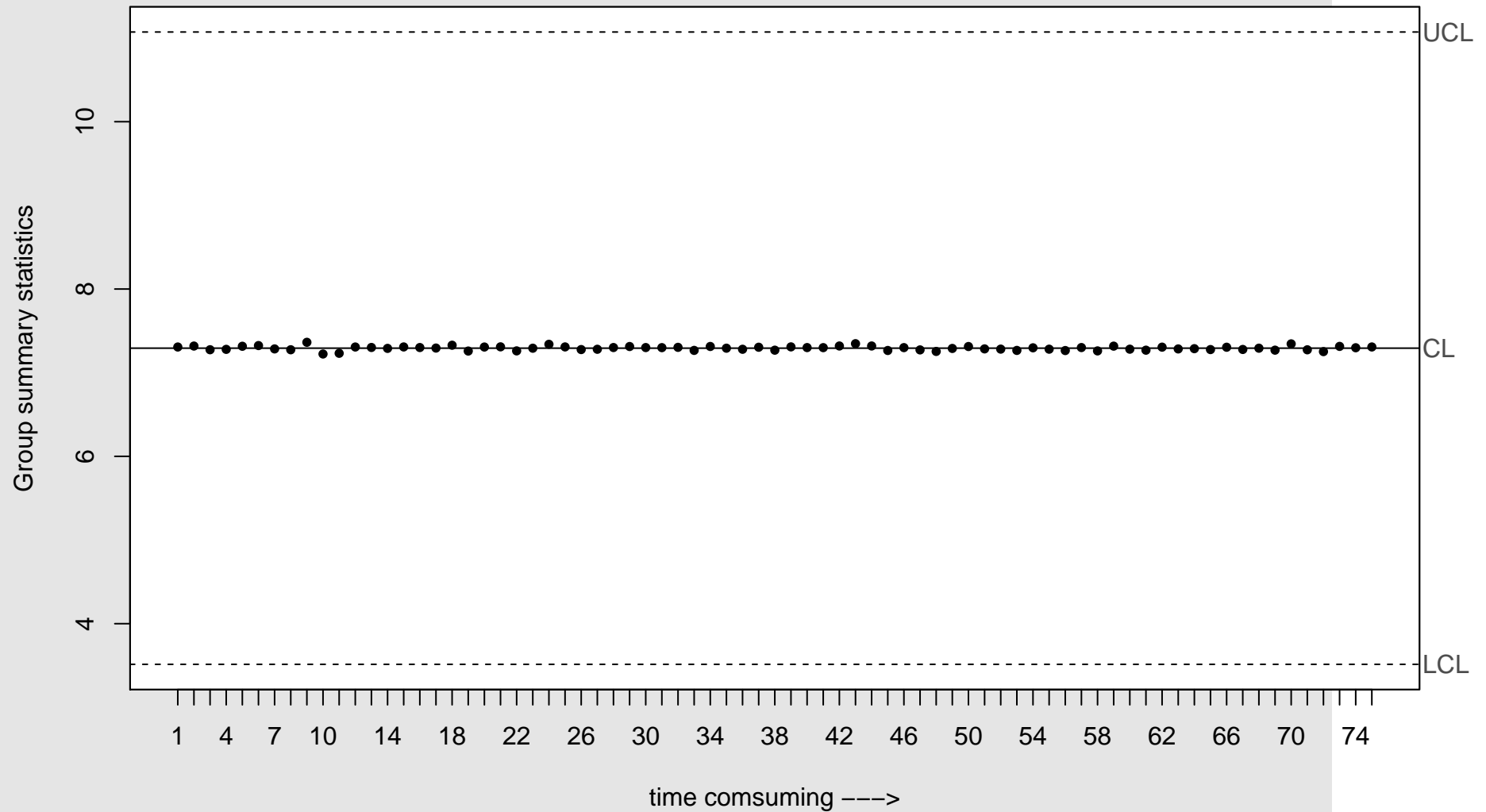
LCL = 165.748

UCL = 172.4249

Number beyond limits = 0

Number violating runs = 3

S chart for a given dataset



Number of groups = 75

Center = 7.293106

StdDev = 7.401088

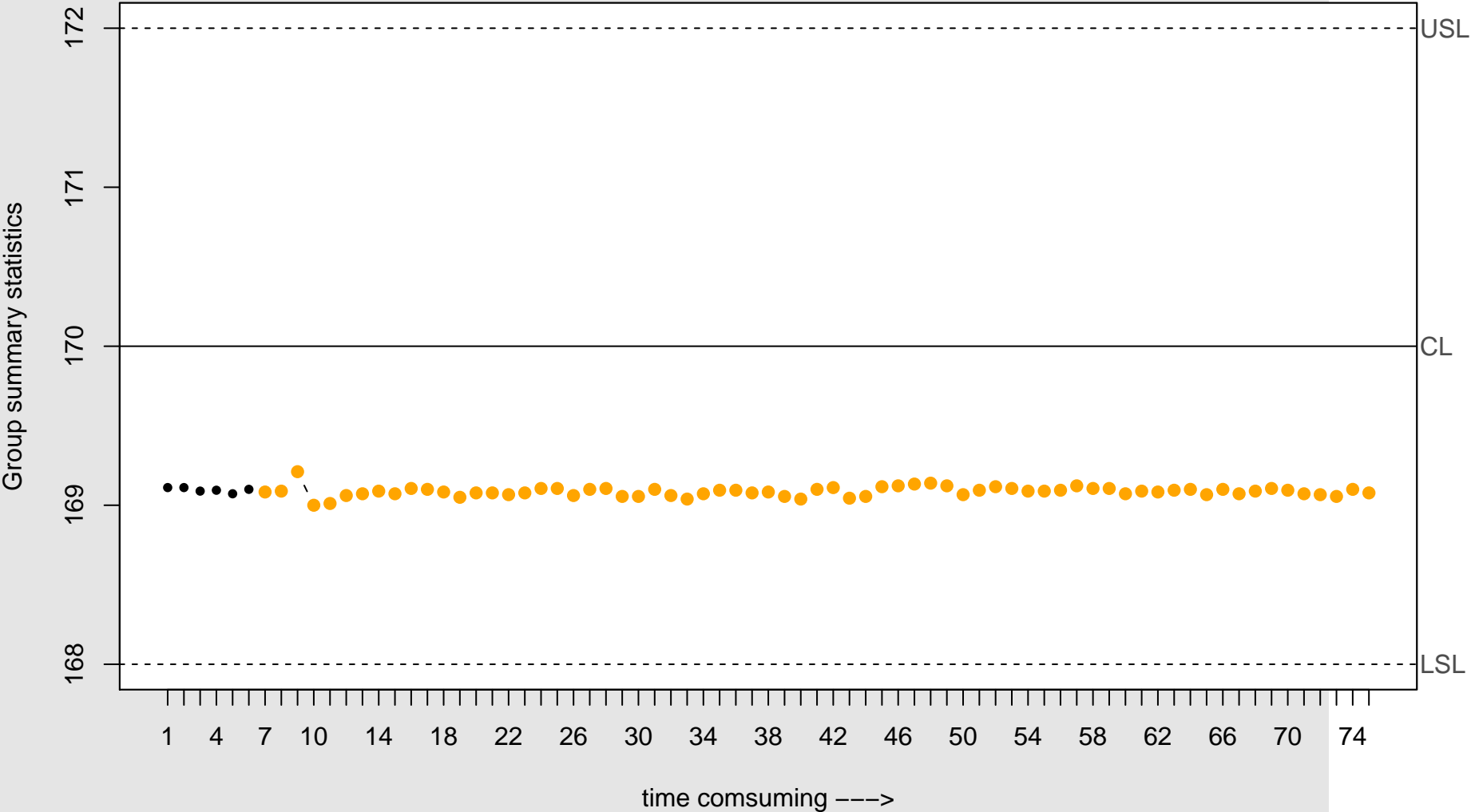
LCL = 3.514176

UCL = 11.07204

Number beyond limits = 0

Number violating runs = 0

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

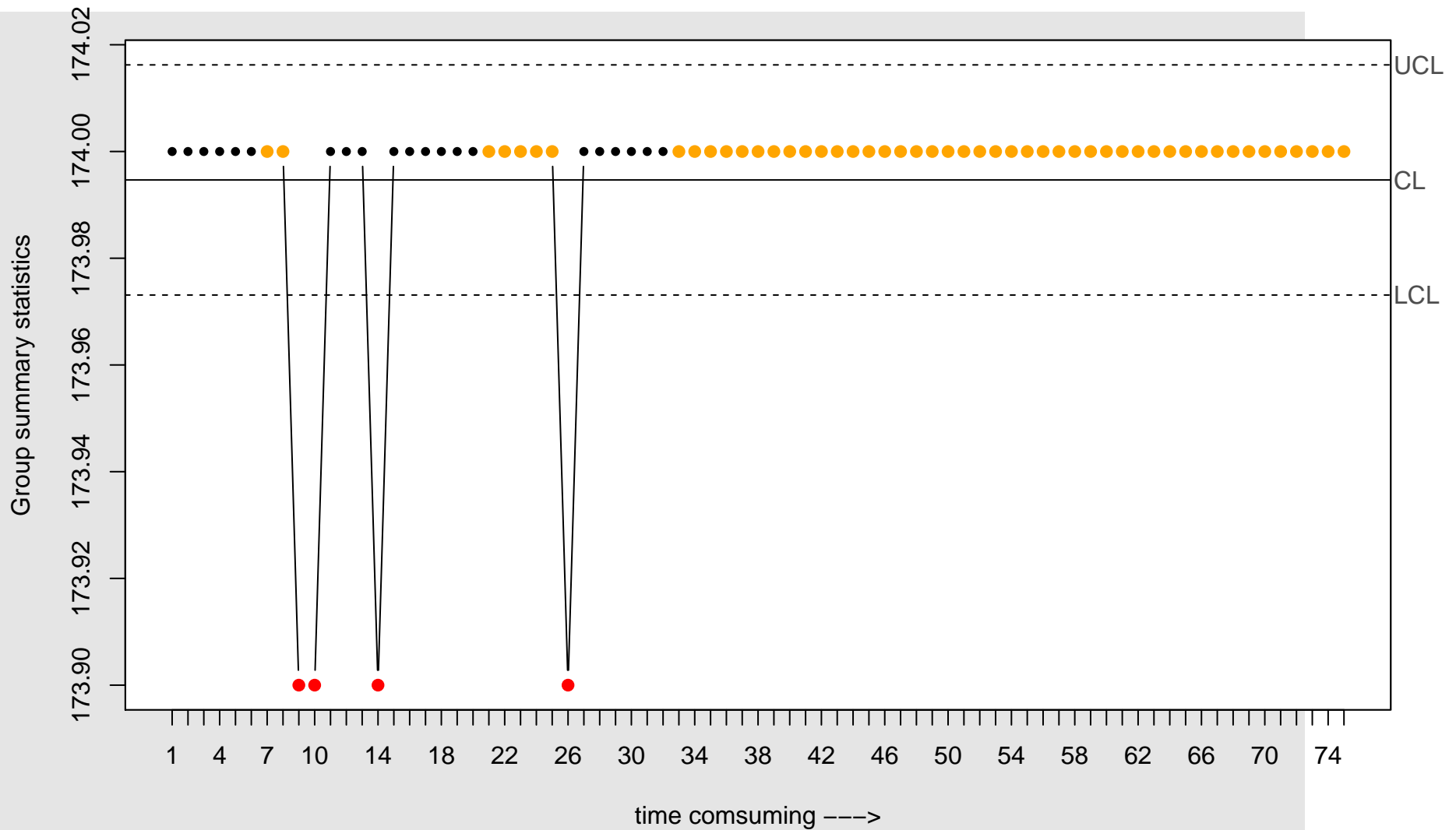


Number of groups = 75
Center = 170
StdDev = 4.721245

LCL = 168
UCL = 172

Number beyond limits = 0
Number violating runs = 69

1th column point of this product

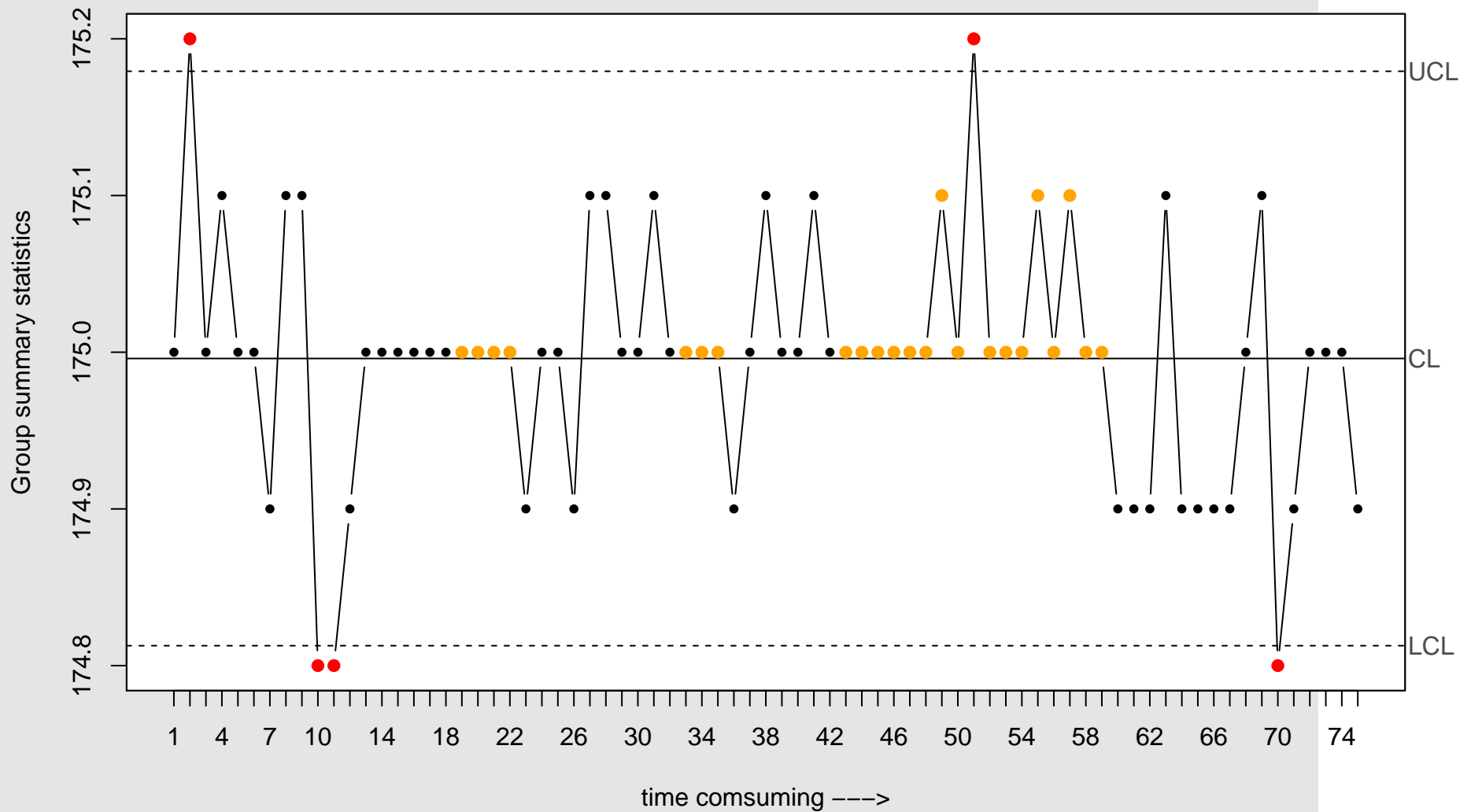


Number of groups = 75
Center = 173.9947
StdDev = 0.007188039

LCL = 173.9731
UCL = 174.0162

Number beyond limits = 4
Number violating runs = 50

2th column point of this product

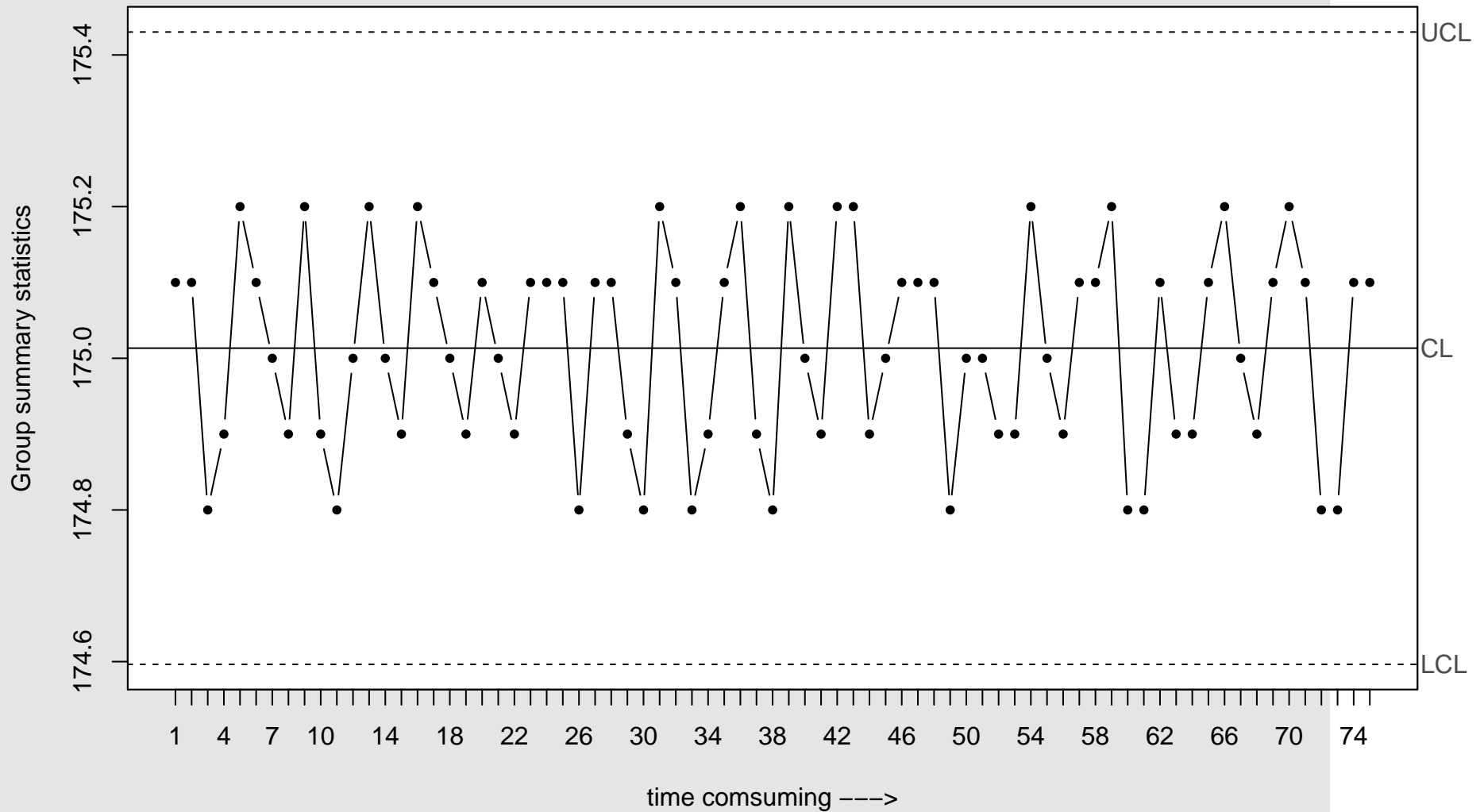


Number of groups = 75
Center = 174.996
StdDev = 0.06109833

LCL = 174.8127
UCL = 175.1793

Number beyond limits = 5
Number violating runs = 24

3th column point of this product



Number of groups = 75

Center = 175.0133

StdDev = 0.1389688

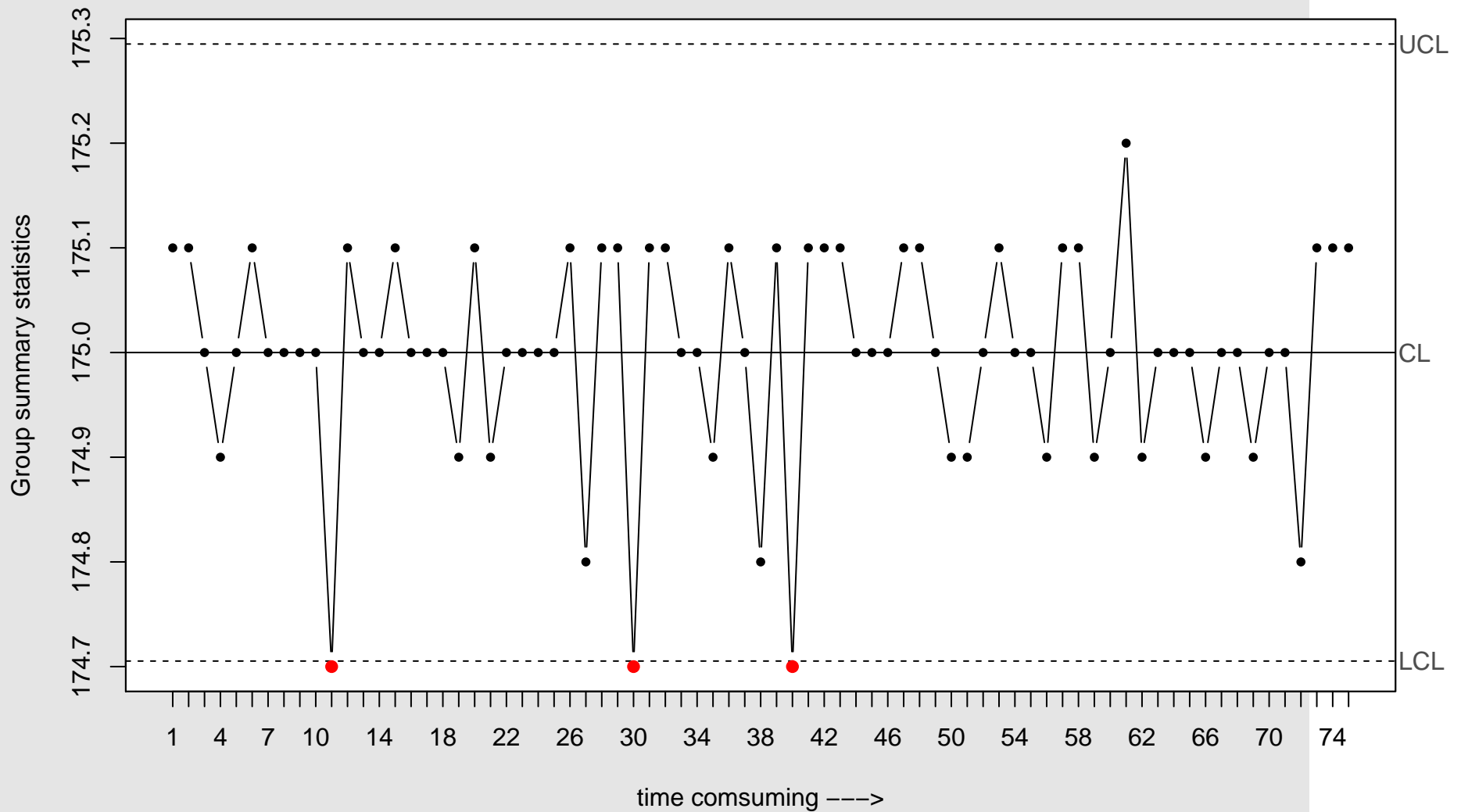
LCL = 174.5964

UCL = 175.4302

Number beyond limits = 0

Number violating runs = 0

4th column point of this product

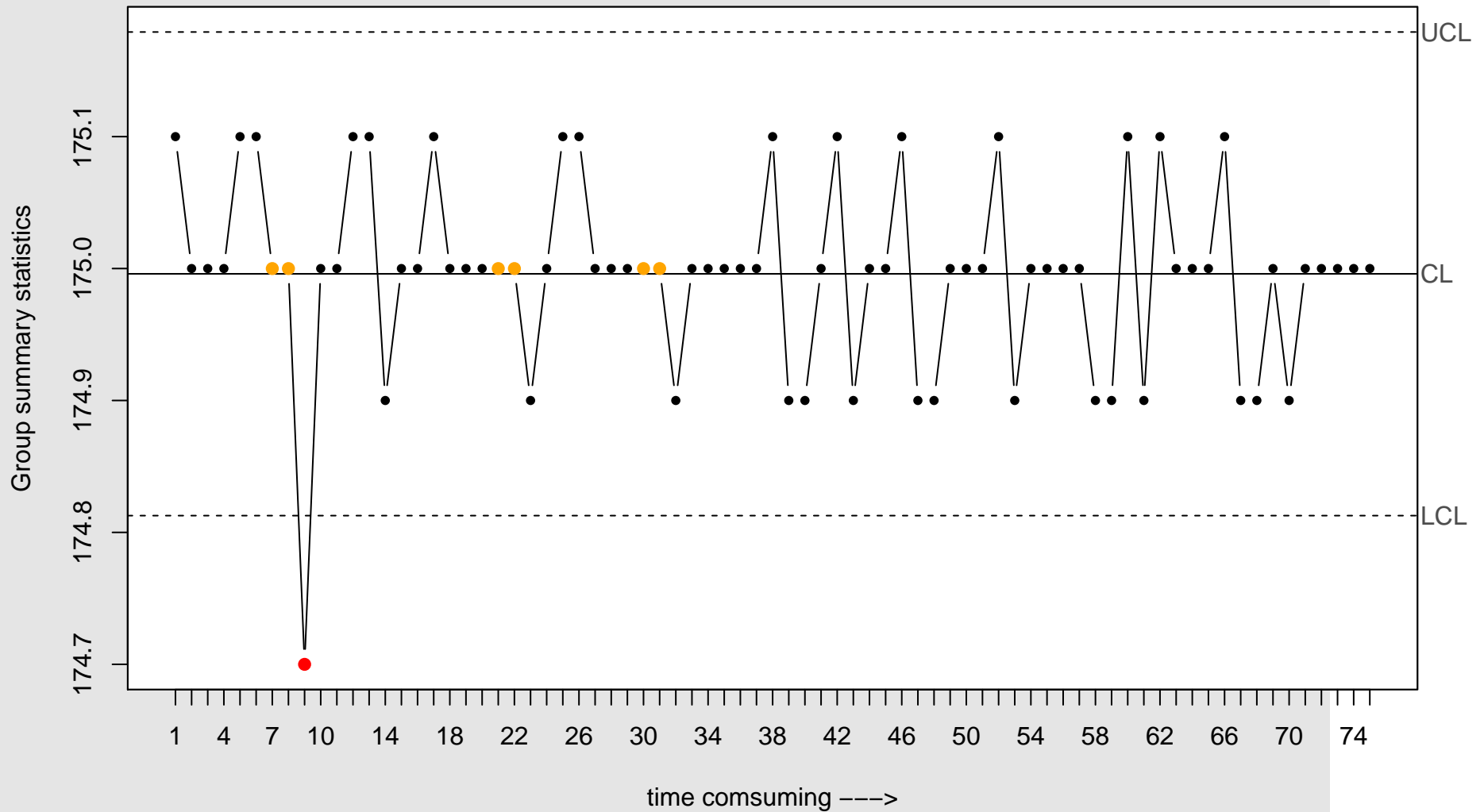


Number of groups = 75
Center = 175
StdDev = 0.09823653

LCL = 174.7053
UCL = 175.2947

Number beyond limits = 3
Number violating runs = 0

5th column point of this product

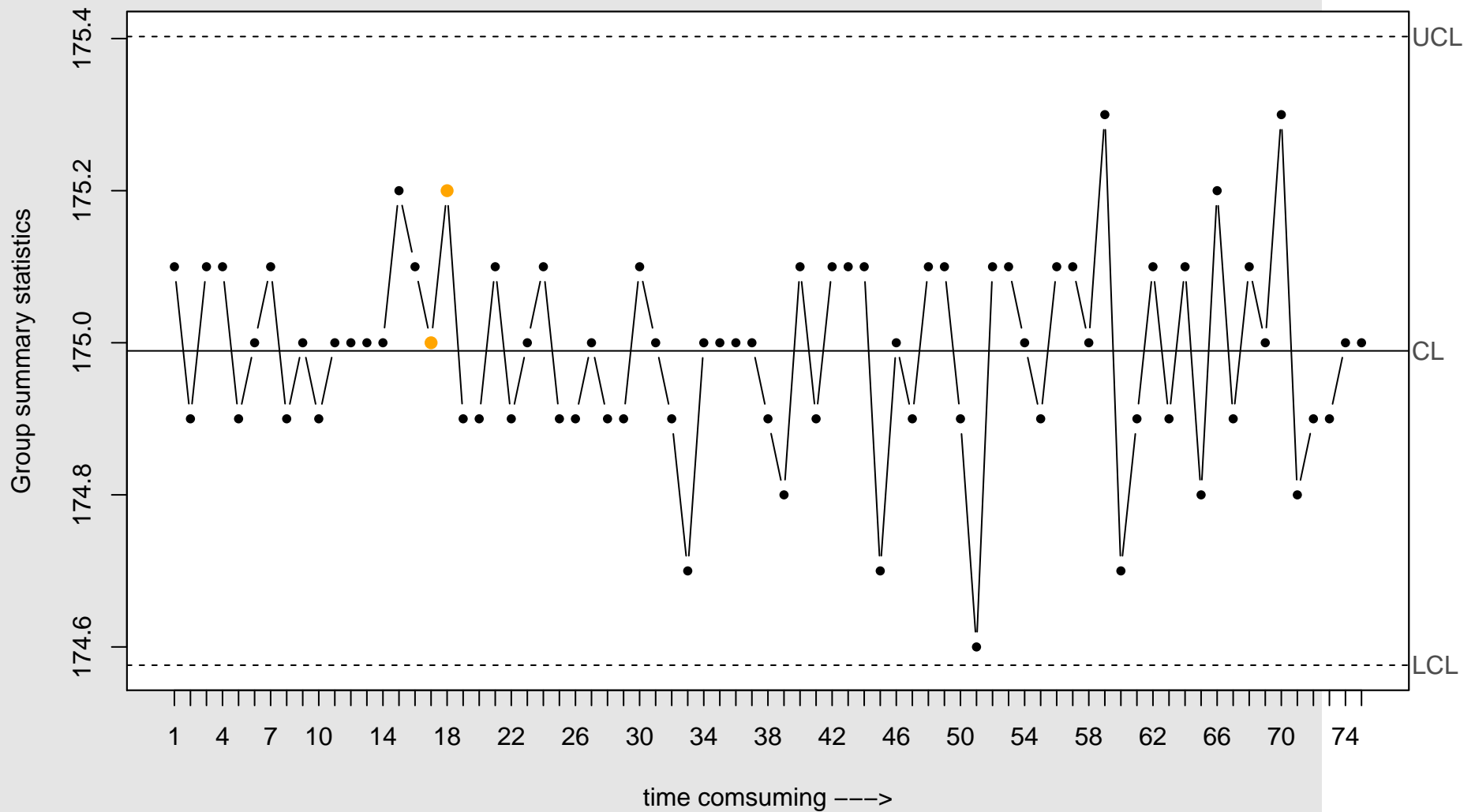


Number of groups = 75
 Center = 174.996
 StdDev = 0.06109833

LCL = 174.8127
 UCL = 175.1793

Number beyond limits = 1
 Number violating runs = 6

6th column point of this product

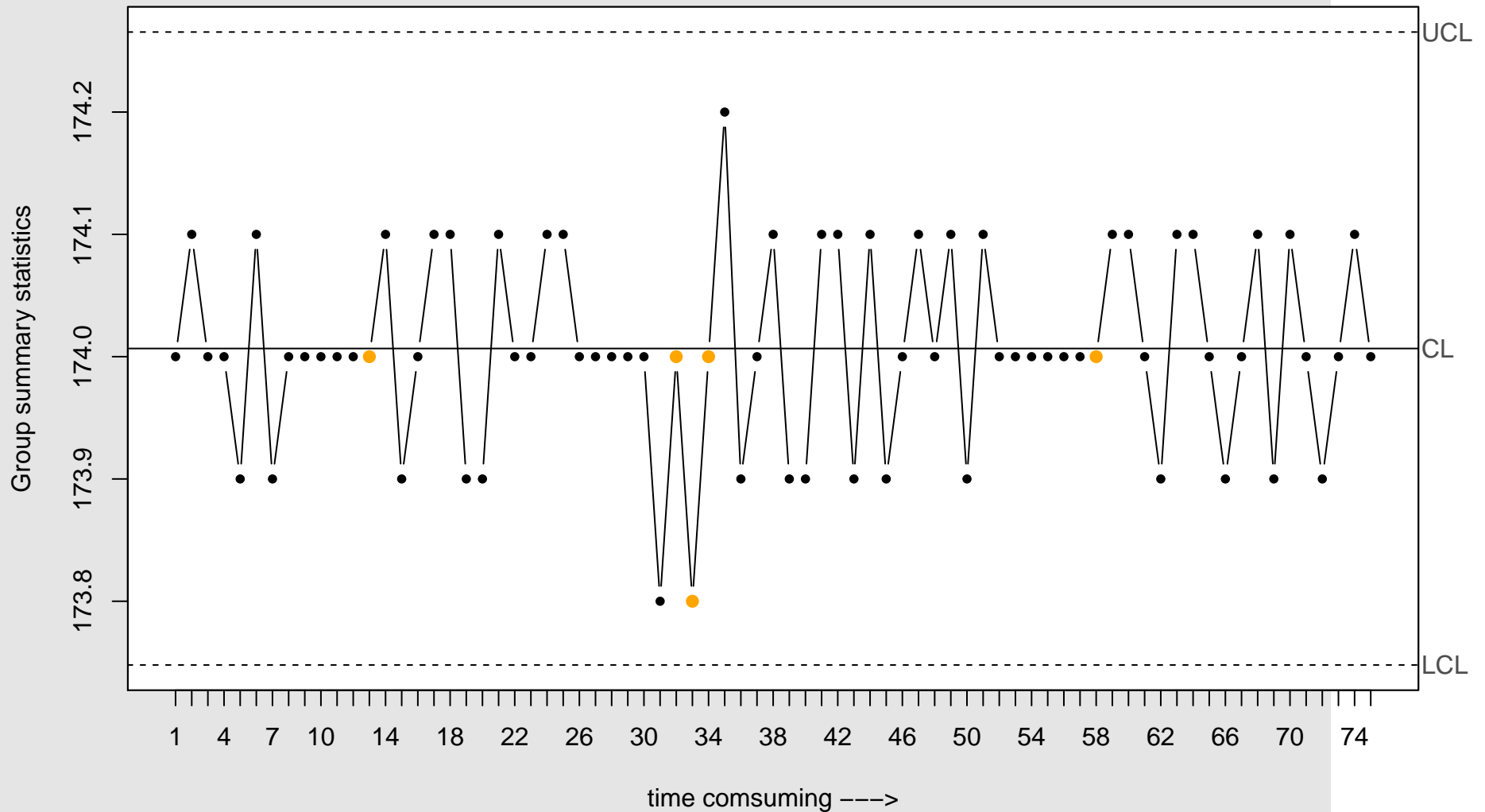


Number of groups = 75
Center = 174.9893
StdDev = 0.1377707

LCL = 174.576
UCL = 175.4026

Number beyond limits = 0
Number violating runs = 2

7th column point of this product

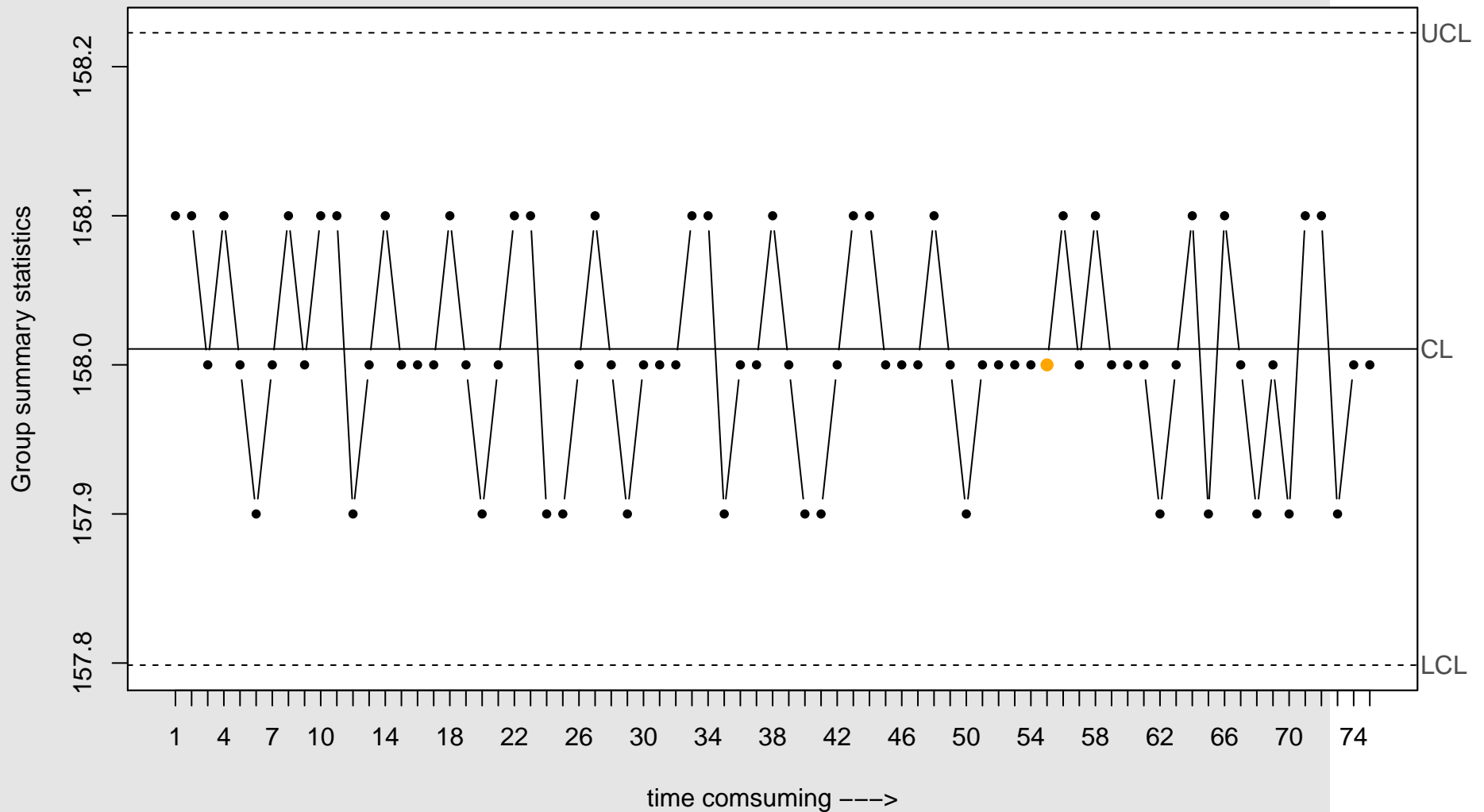


Number of groups = 75
Center = 174.0067
StdDev = 0.08625647

LCL = 173.7479
UCL = 174.2654

Number beyond limits = 0
Number violating runs = 5

8th column point of this product

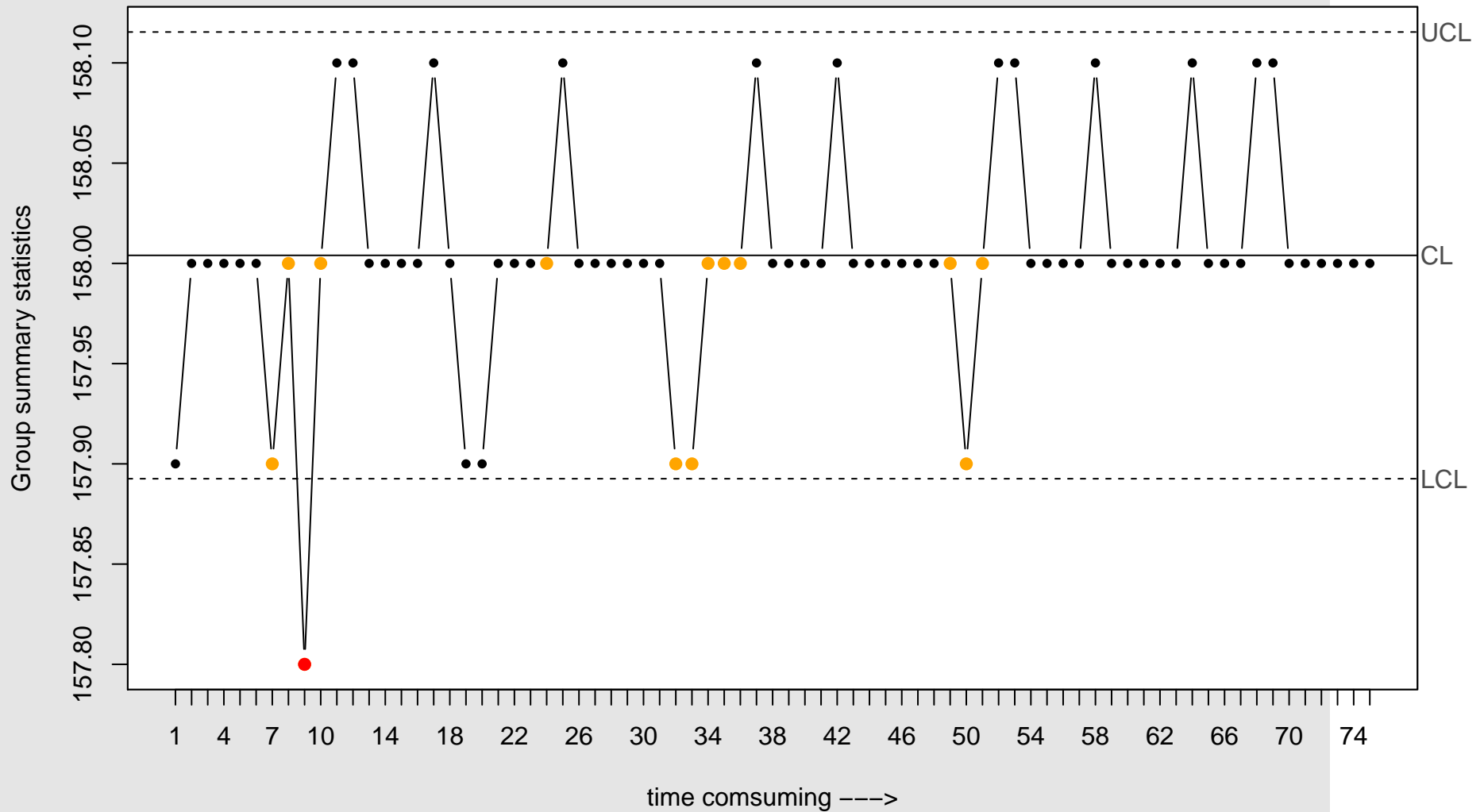


Number of groups = 75
Center = 158.0107
StdDev = 0.07068238

LCL = 157.7986
UCL = 158.2227

Number beyond limits = 0
Number violating runs = 1

9th column point of this product

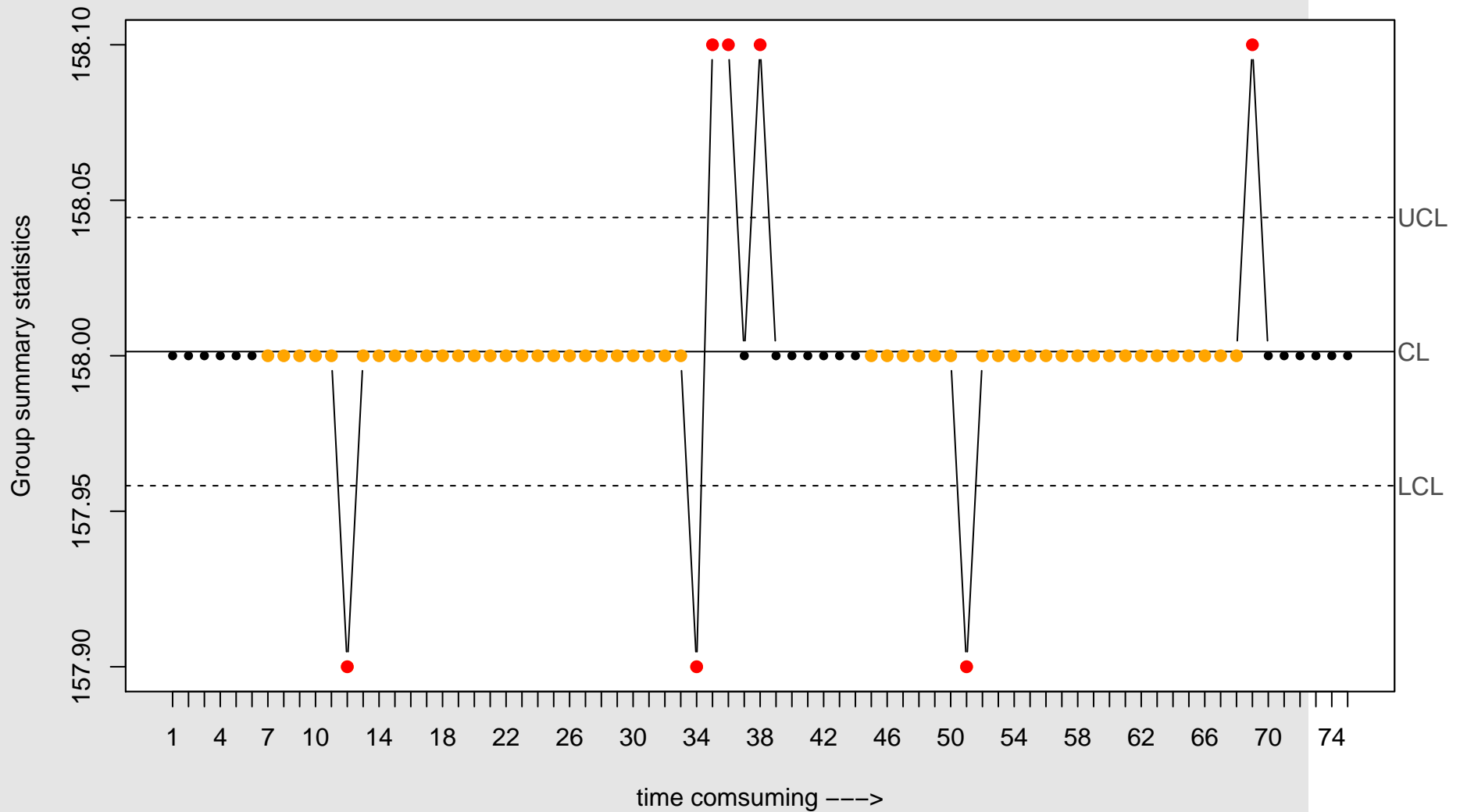


Number of groups = 75
Center = 158.004
StdDev = 0.0371382

LCL = 157.8926
UCL = 158.1154

Number beyond limits = 1
Number violating runs = 13

10th column point of this product

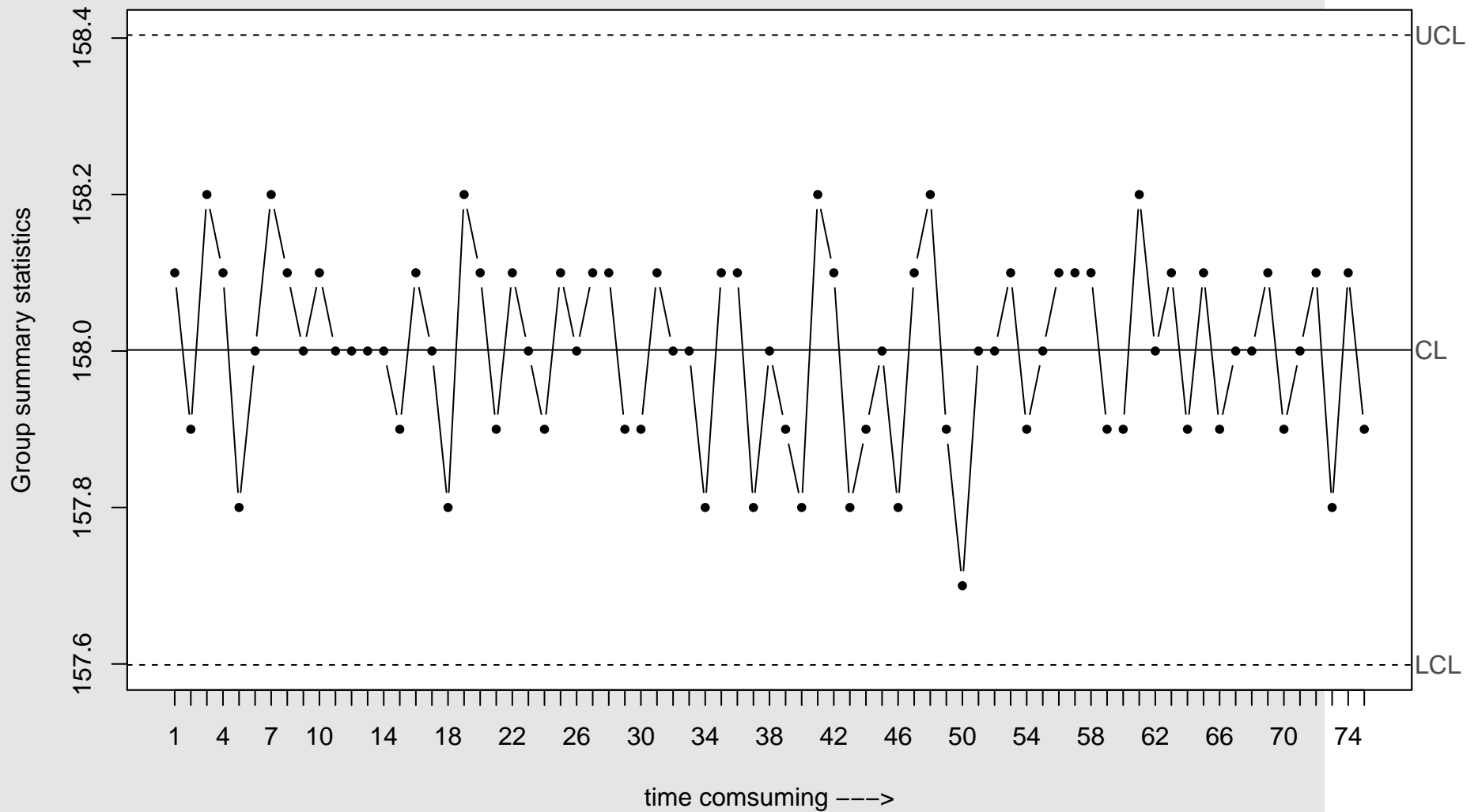


Number of groups = 75
Center = 158.0013
StdDev = 0.01437608

LCL = 157.9582
UCL = 158.0445

Number beyond limits = 7
Number violating runs = 52

11th column point of this product

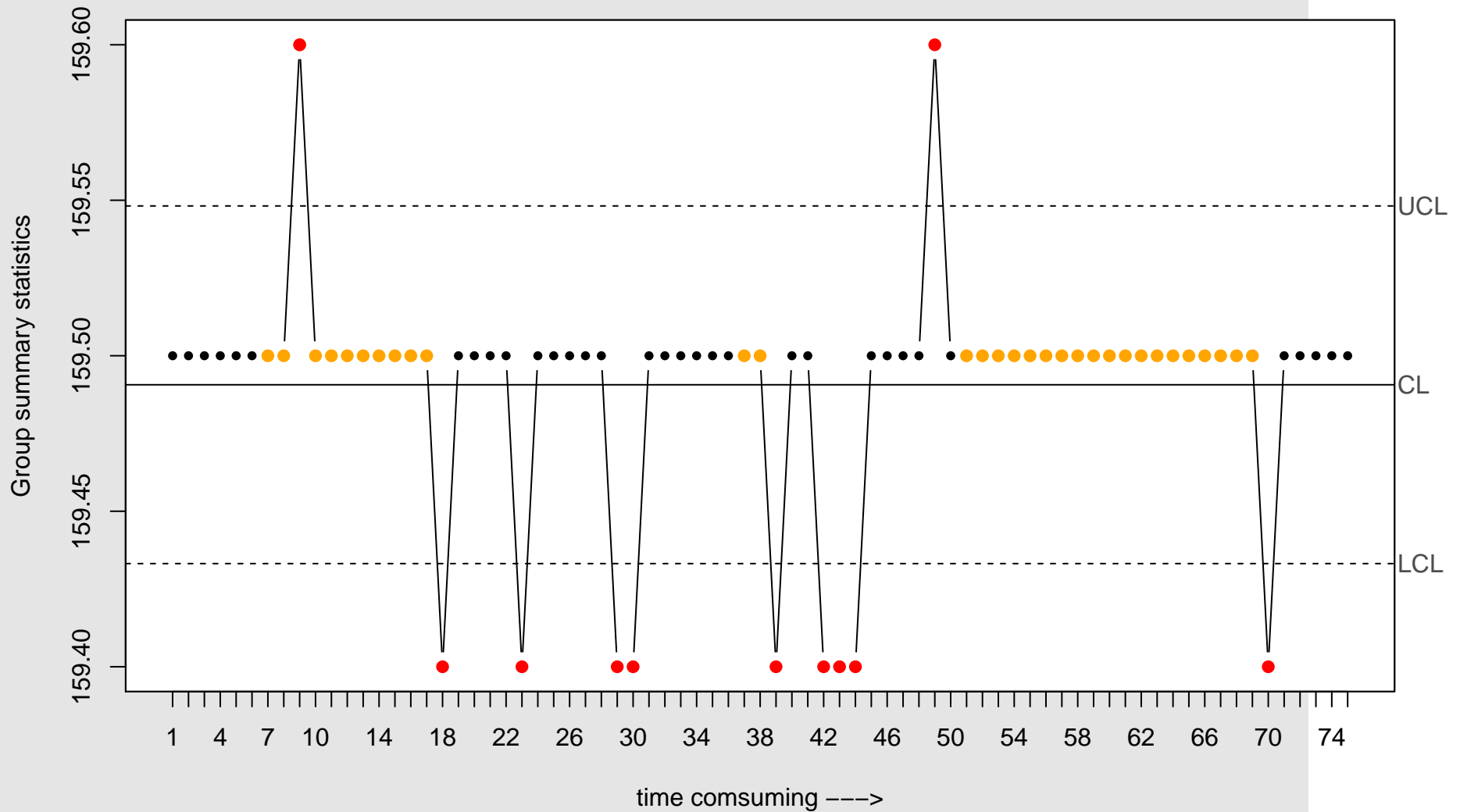


Number of groups = 75
Center = 158.0013
StdDev = 0.1341767

LCL = 157.5988
UCL = 158.4039

Number beyond limits = 0
Number violating runs = 0

12th column point of this product



Number of groups = 75

Center = 159.4907

StdDev = 0.0191681

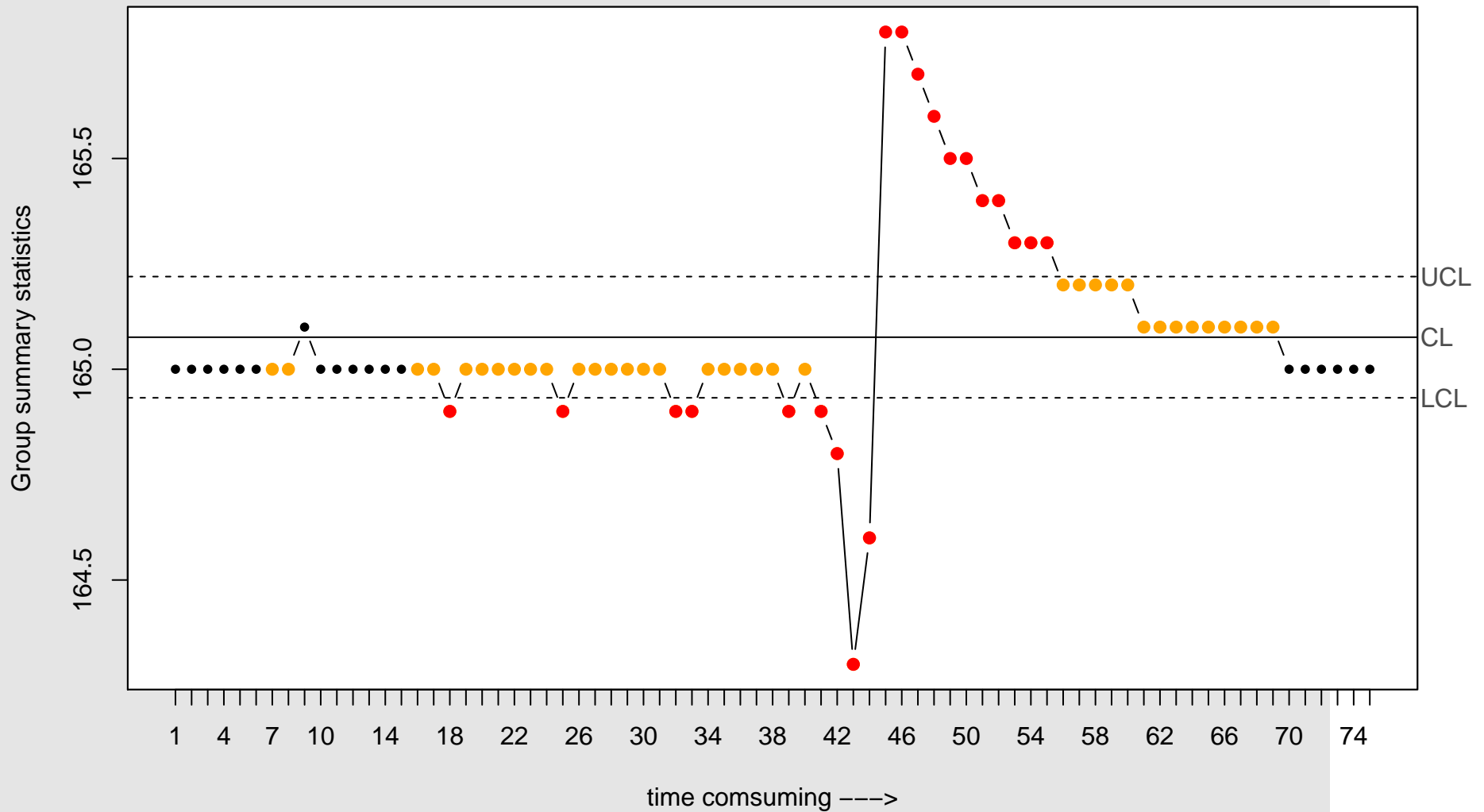
LCL = 159.4332

UCL = 159.5482

Number beyond limits = 11

Number violating runs = 32

13th column point of this product

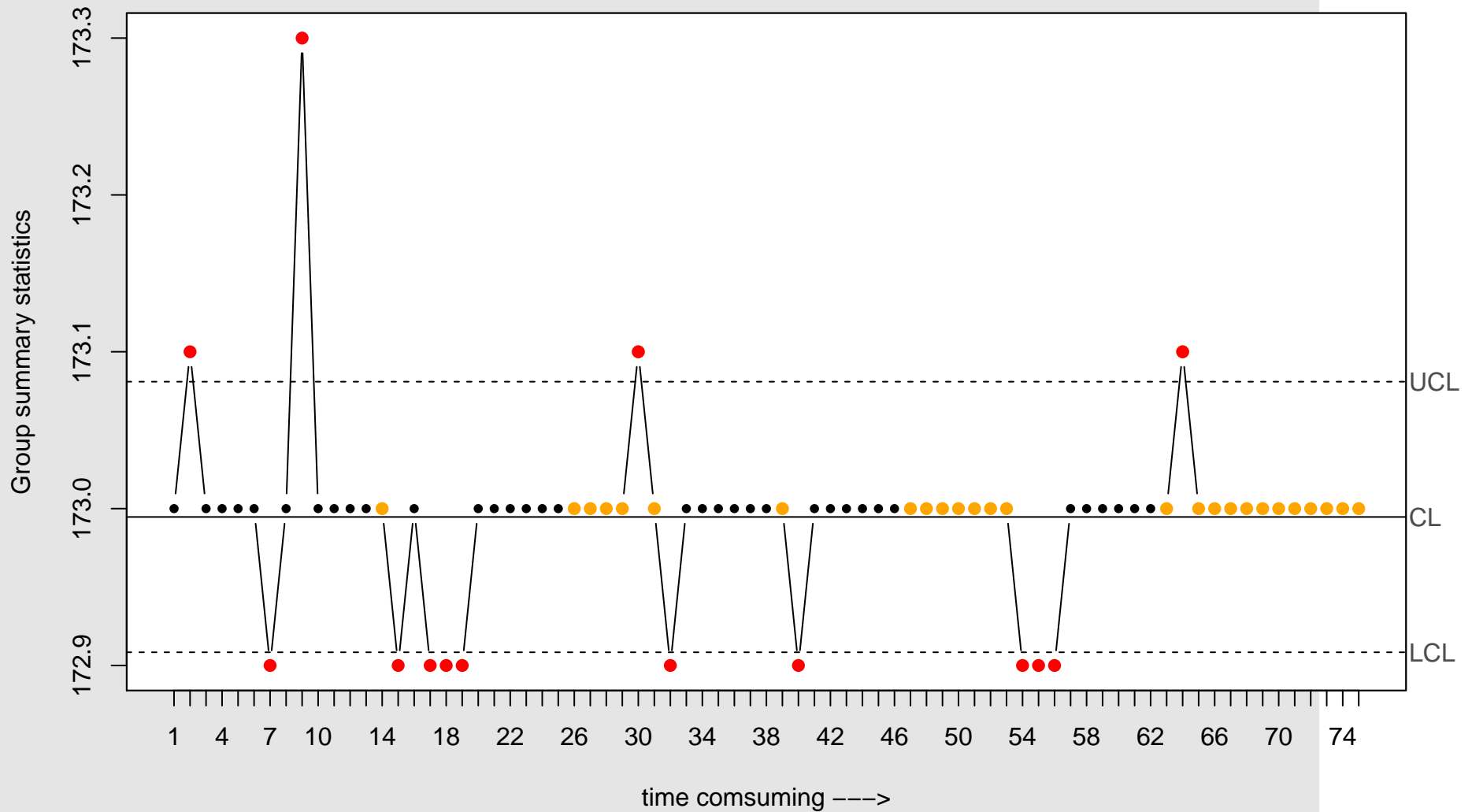


Number of groups = 75
Center = 165.076
StdDev = 0.04792026

LCL = 164.9322
UCL = 165.2198

Number beyond limits = 20
Number violating runs = 50

14th column point of this product

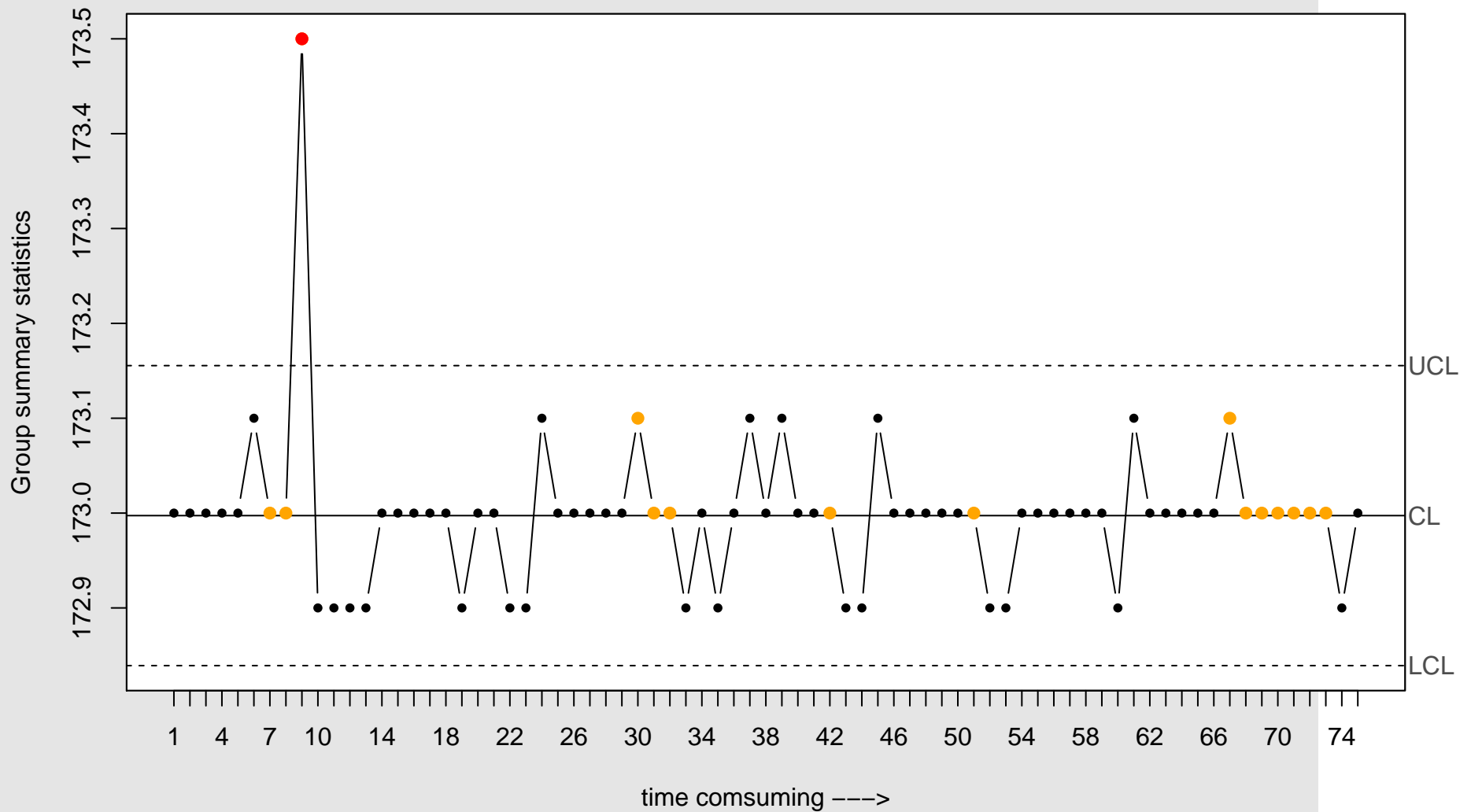


Number of groups = 75
Center = 172.9947
StdDev = 0.02875216

LCL = 172.9084
UCL = 173.0809

Number beyond limits = 14
Number violating runs = 28

15th column point of this product

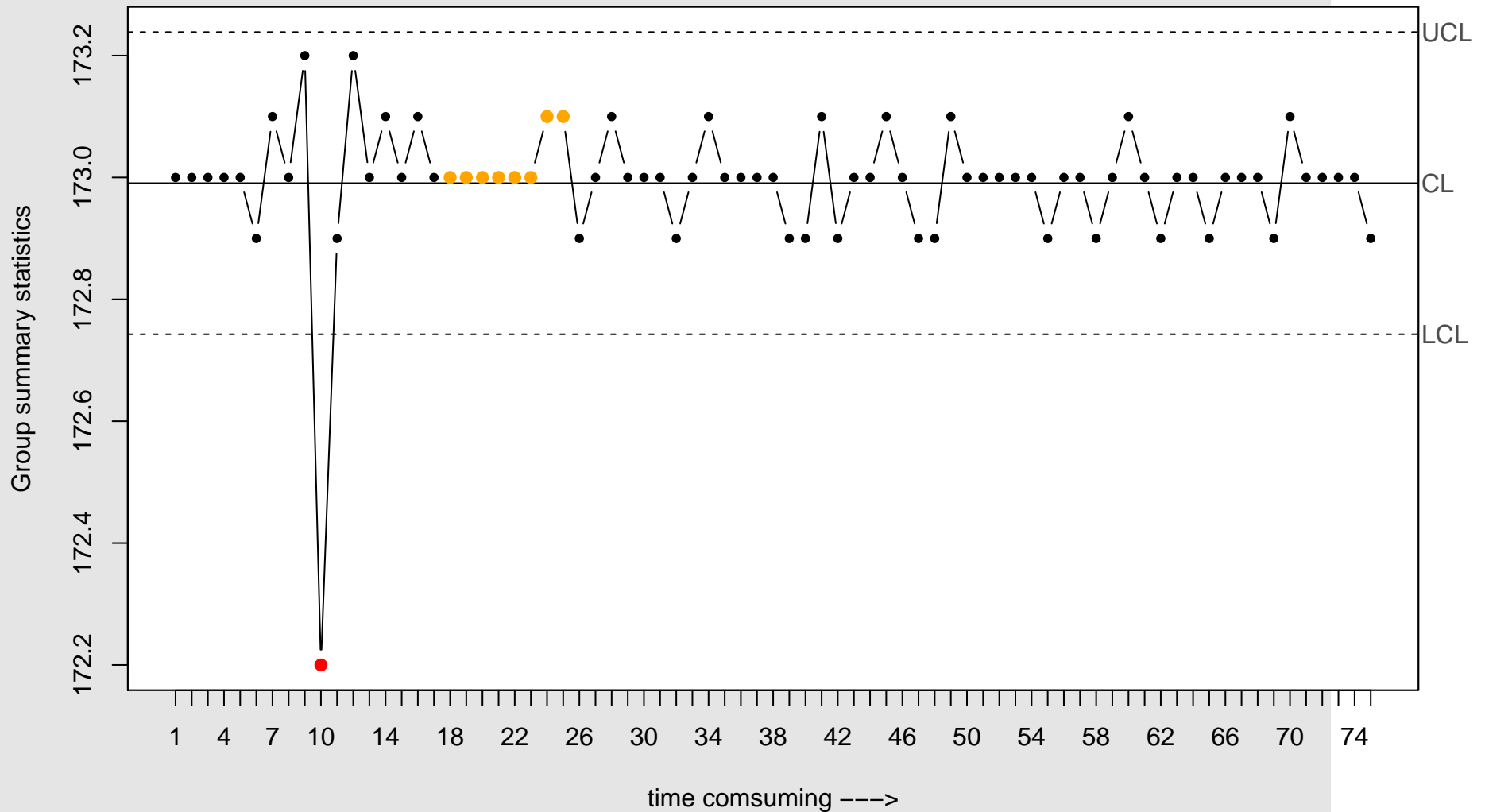


Number of groups = 75
Center = 172.9973
StdDev = 0.05271229

LCL = 172.8392
UCL = 173.1555

Number beyond limits = 1
Number violating runs = 15

16th column point of this product

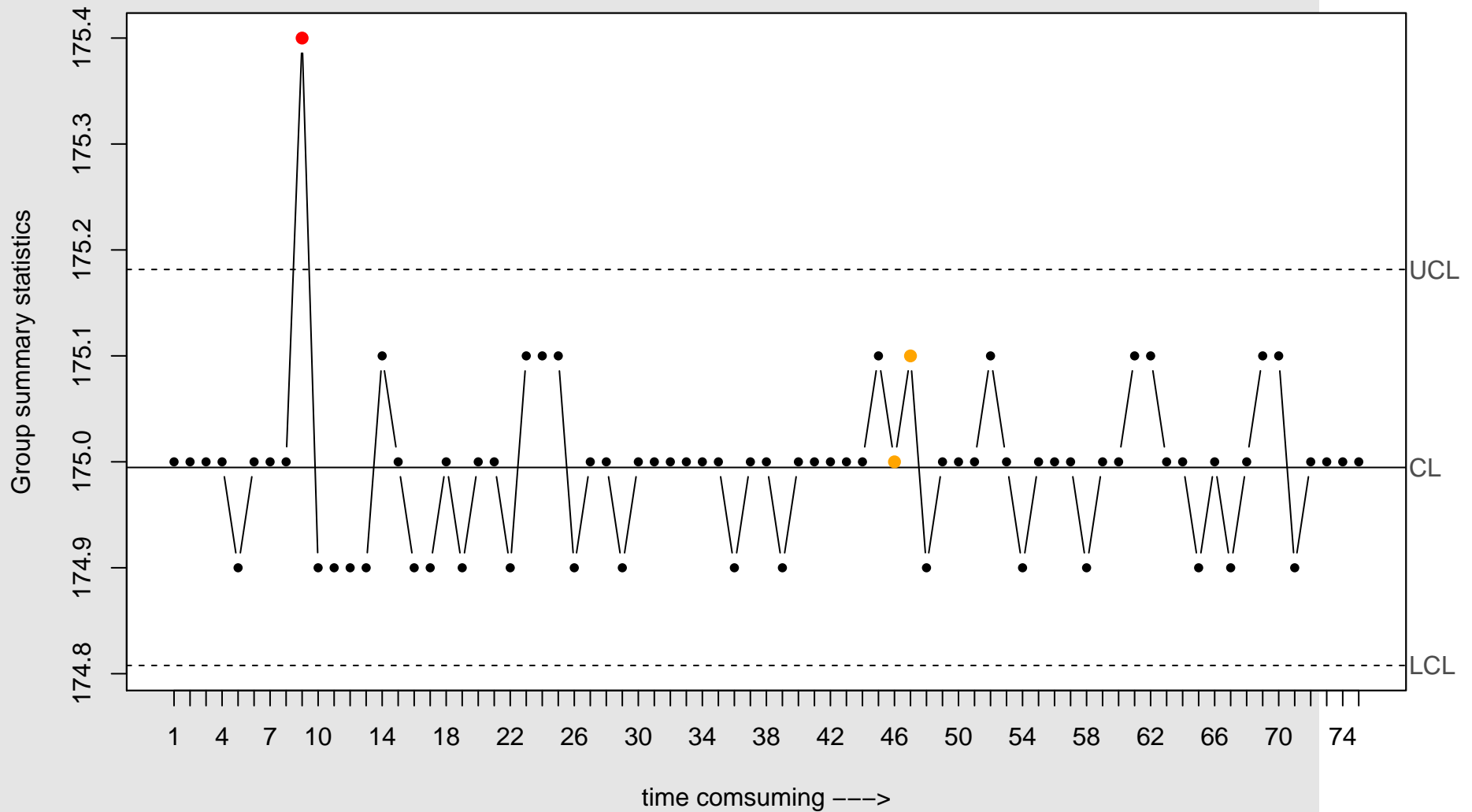


Number of groups = 75
Center = 172.9907
StdDev = 0.08266245

LCL = 172.7427
UCL = 173.2387

Number beyond limits = 1
Number violating runs = 8

17th column point of this product

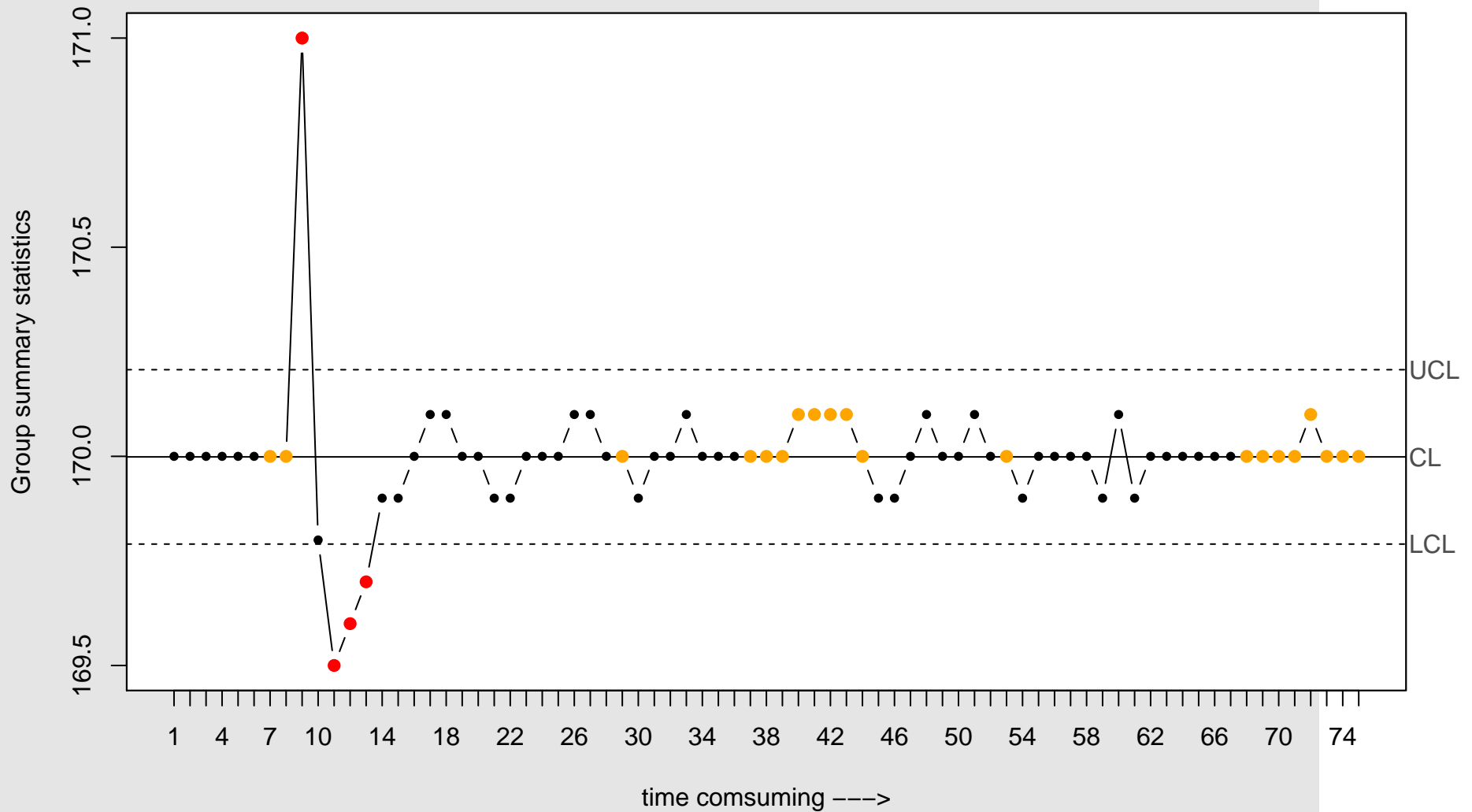


Number of groups = 75
 Center = 174.9947
 StdDev = 0.06229634

LCL = 174.8078
 UCL = 175.1816

Number beyond limits = 1
 Number violating runs = 2

18th column point of this product



Number of groups = 75
Center = 169.9987
StdDev = 0.06948438

LCL = 169.7902
UCL = 170.2071

Number beyond limits = 4
Number violating runs = 21