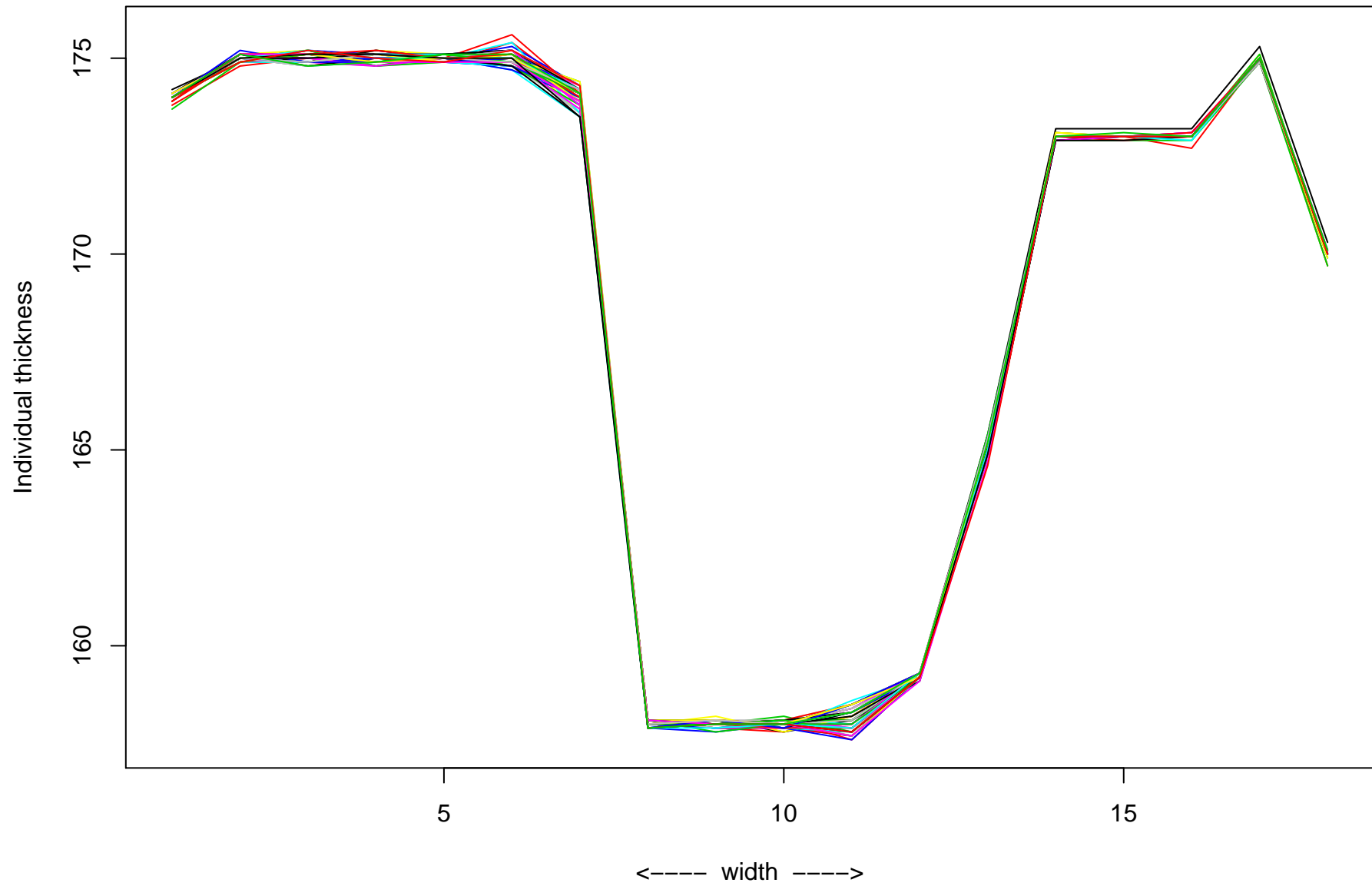
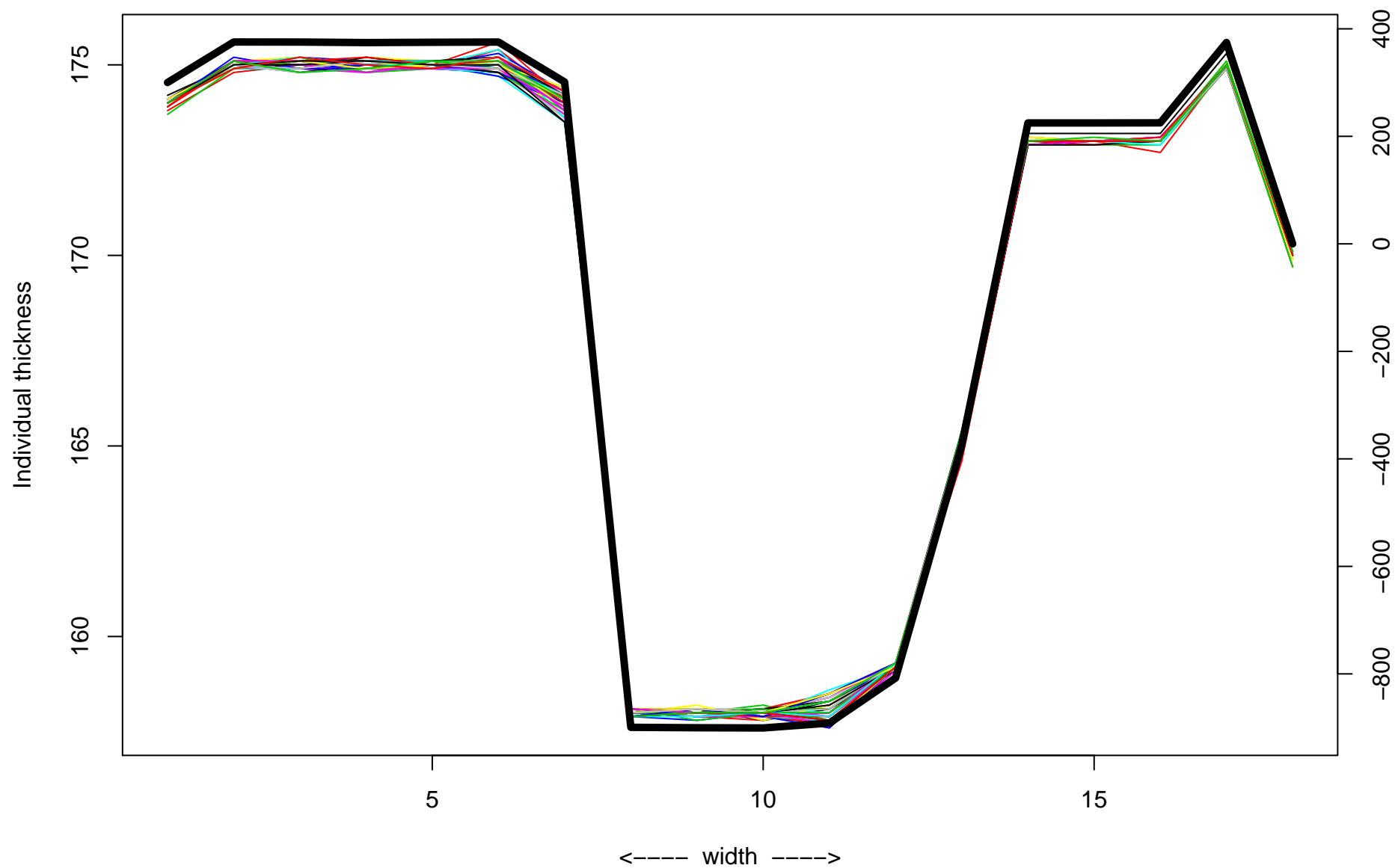


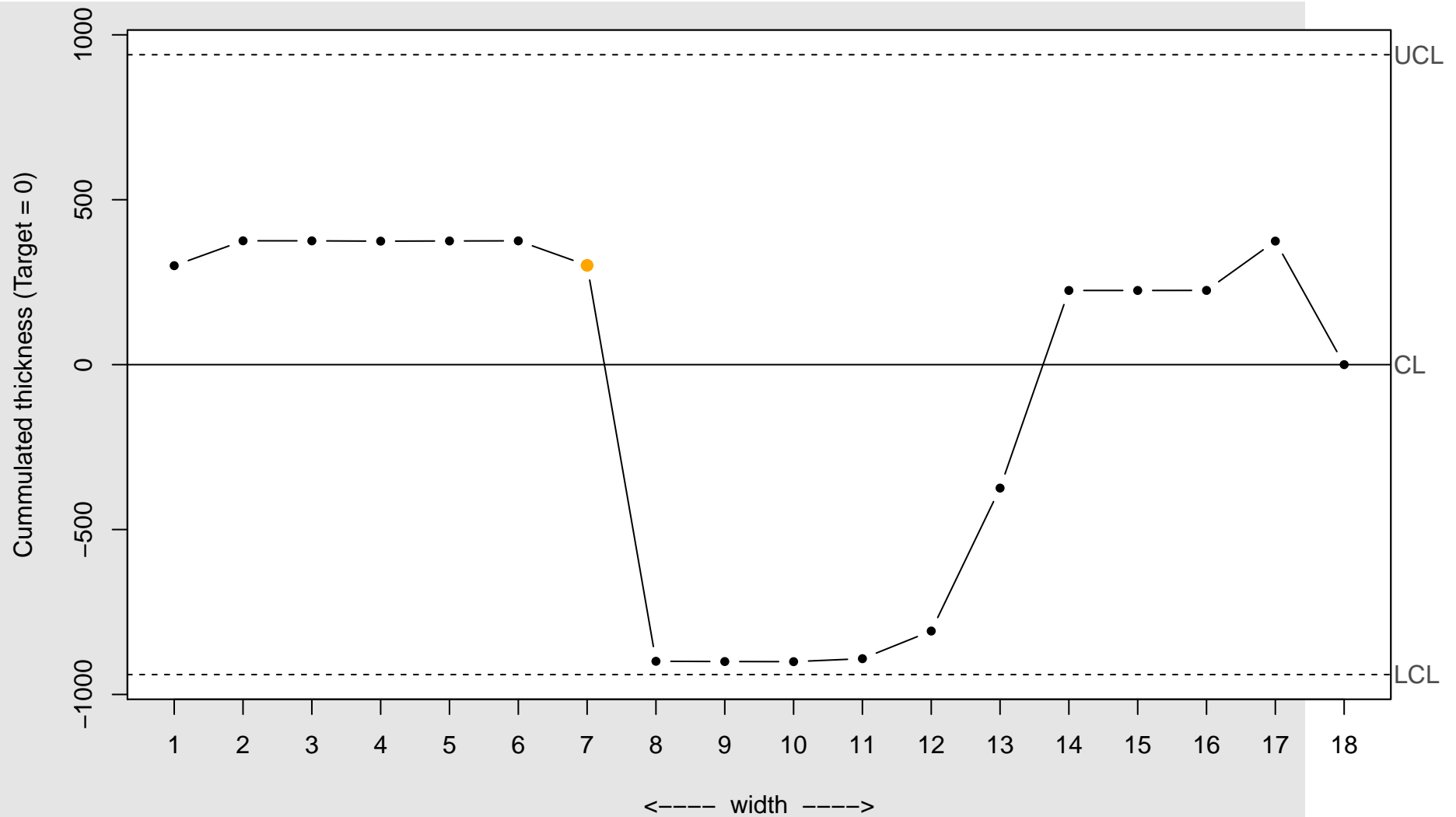
Individual thickness only



Simulated thickness



Simulated thickness



Number of groups = 18

Center = 0

StdDev = 156.6176

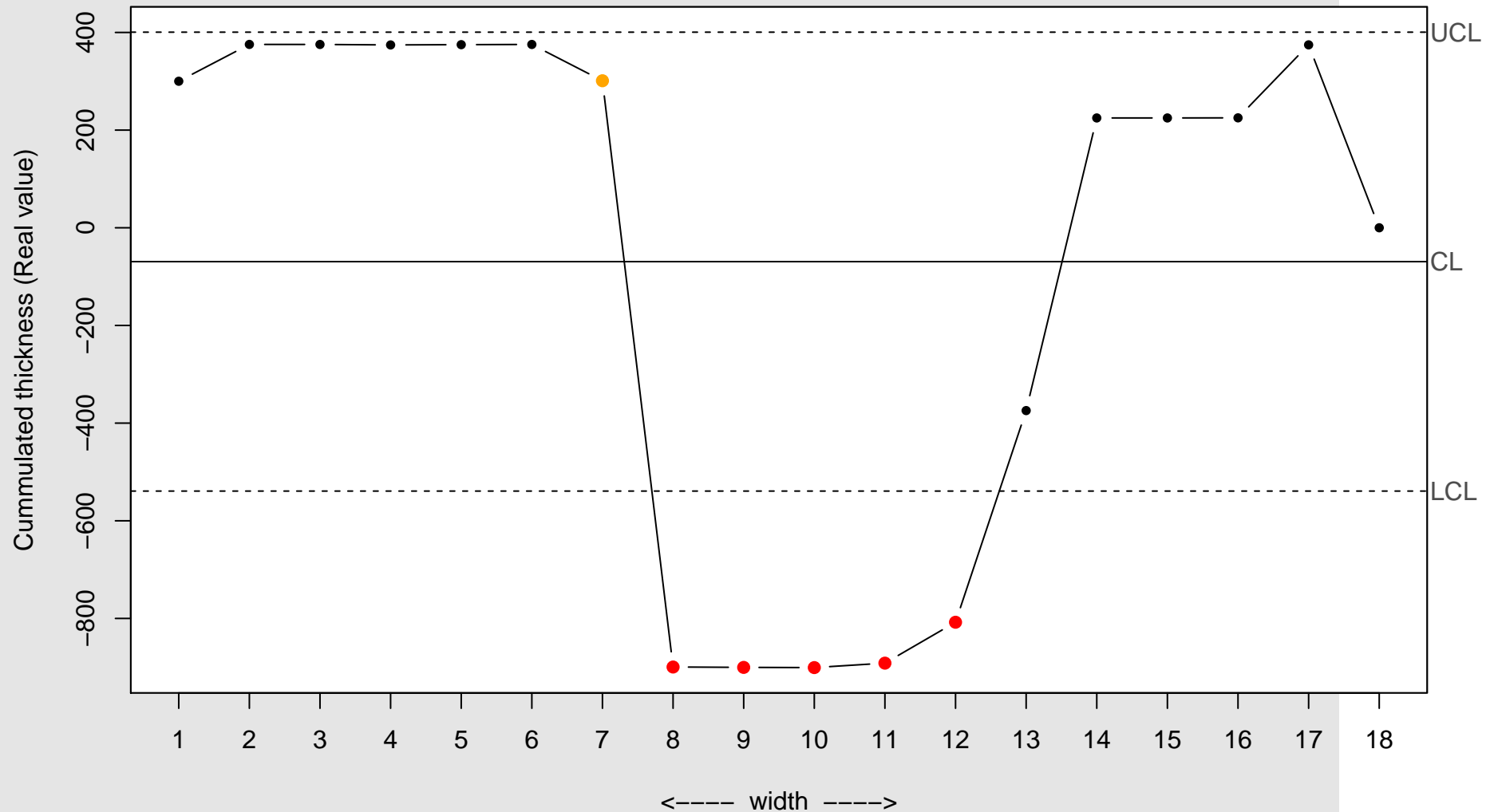
LCL = -939.7059

UCL = 939.7059

Number beyond limits = 0

Number violating runs = 1

Simulated thickness: Cpk is -0.02207 and z is -1.566 .

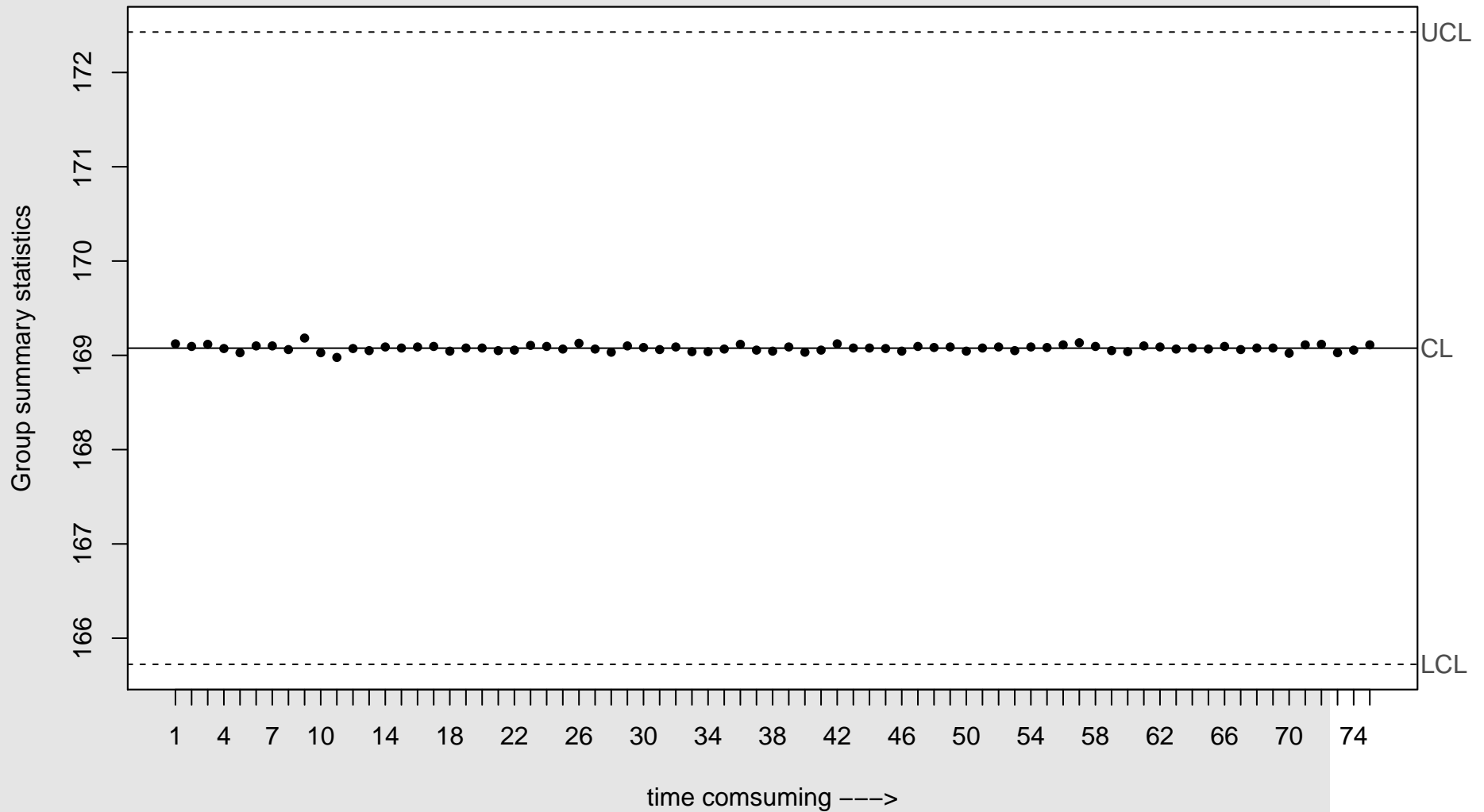


Number of groups = 18
Center = -69.29444
StdDev = 156.6176

LCL = -539.1474
UCL = 400.5585

Number beyond limits = 5
Number violating runs = 1

X-bar chart for a given dataset



Number of groups = 75

Center = 169.0761

StdDev = 4.741758

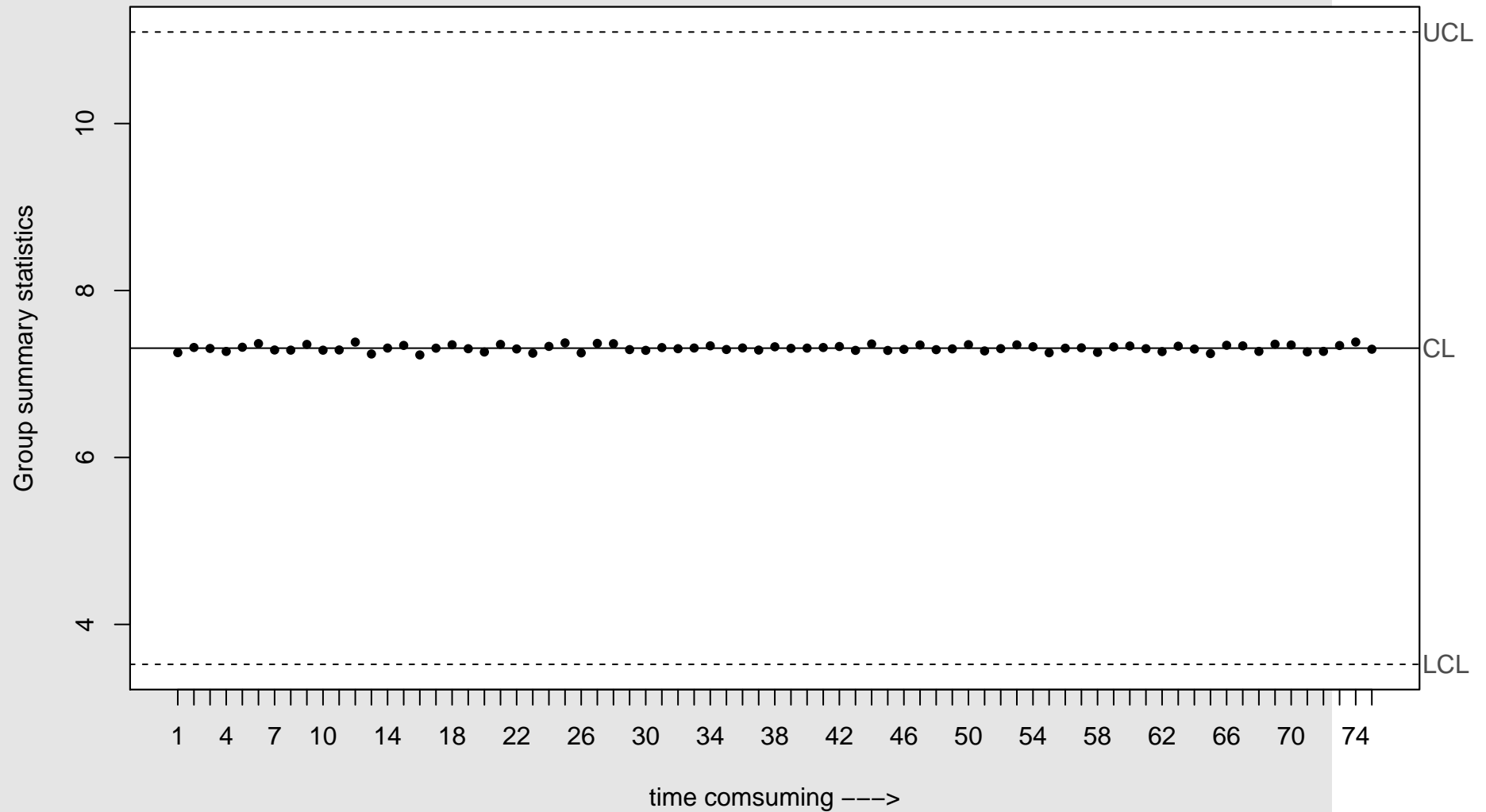
LCL = 165.7231

UCL = 172.429

Number beyond limits = 0

Number violating runs = 0

S chart for a given dataset

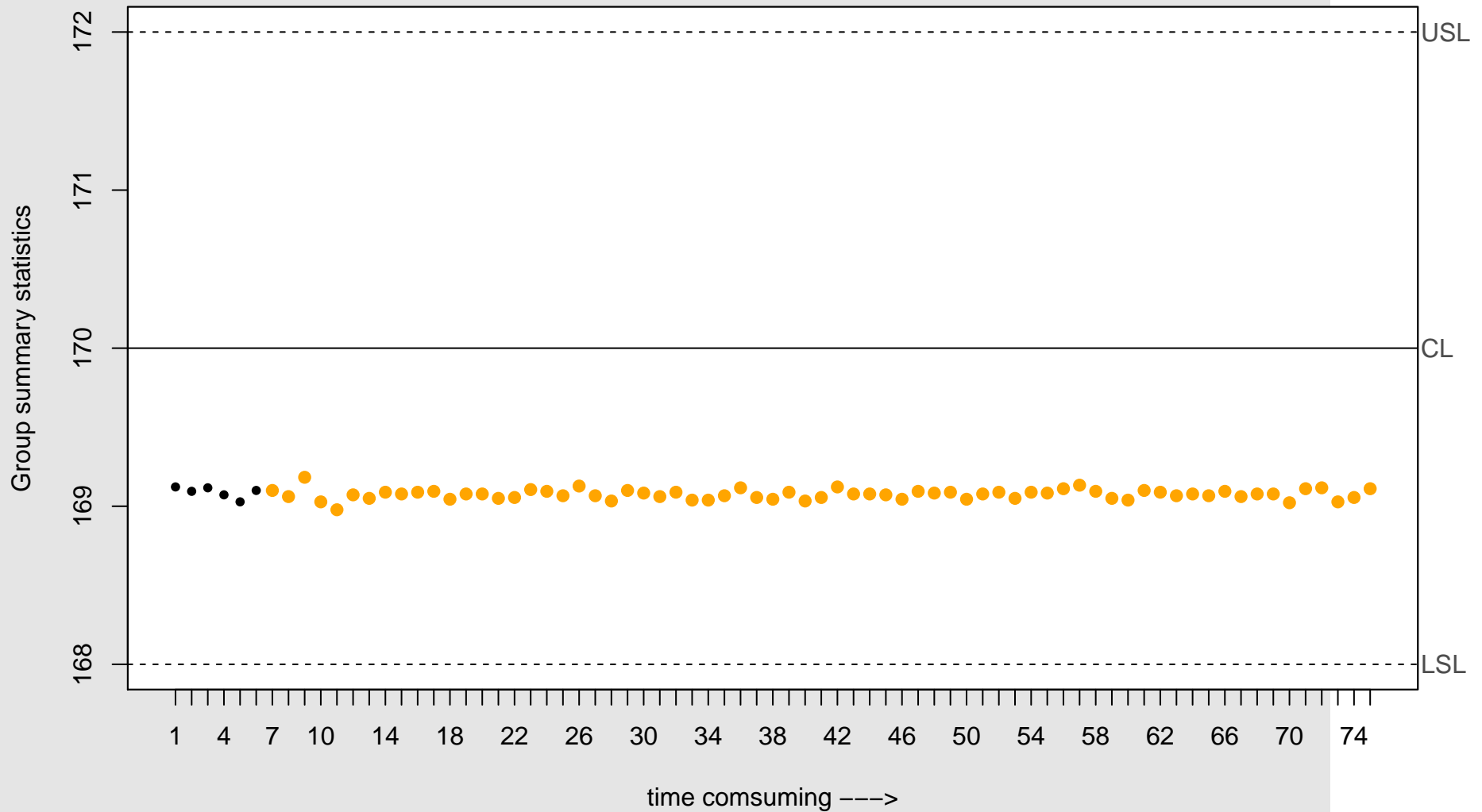


Number of groups = 75
Center = 7.309393
StdDev = 7.417616

LCL = 3.522023
UCL = 11.09676

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 = 4.741758

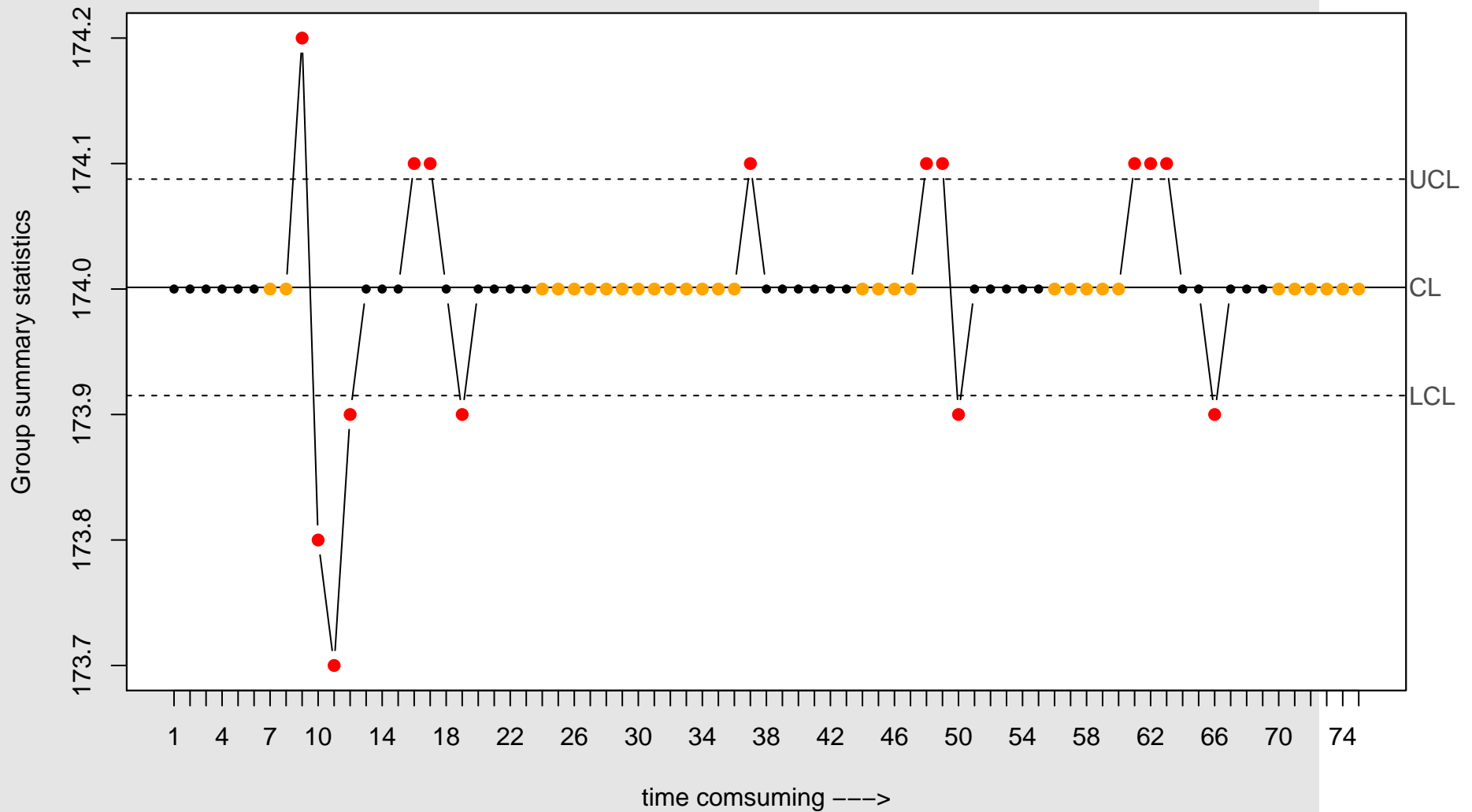
LCL = 168

UCL = 172

Number beyond limits = 0

Number violating runs = 69

1th column point of this product

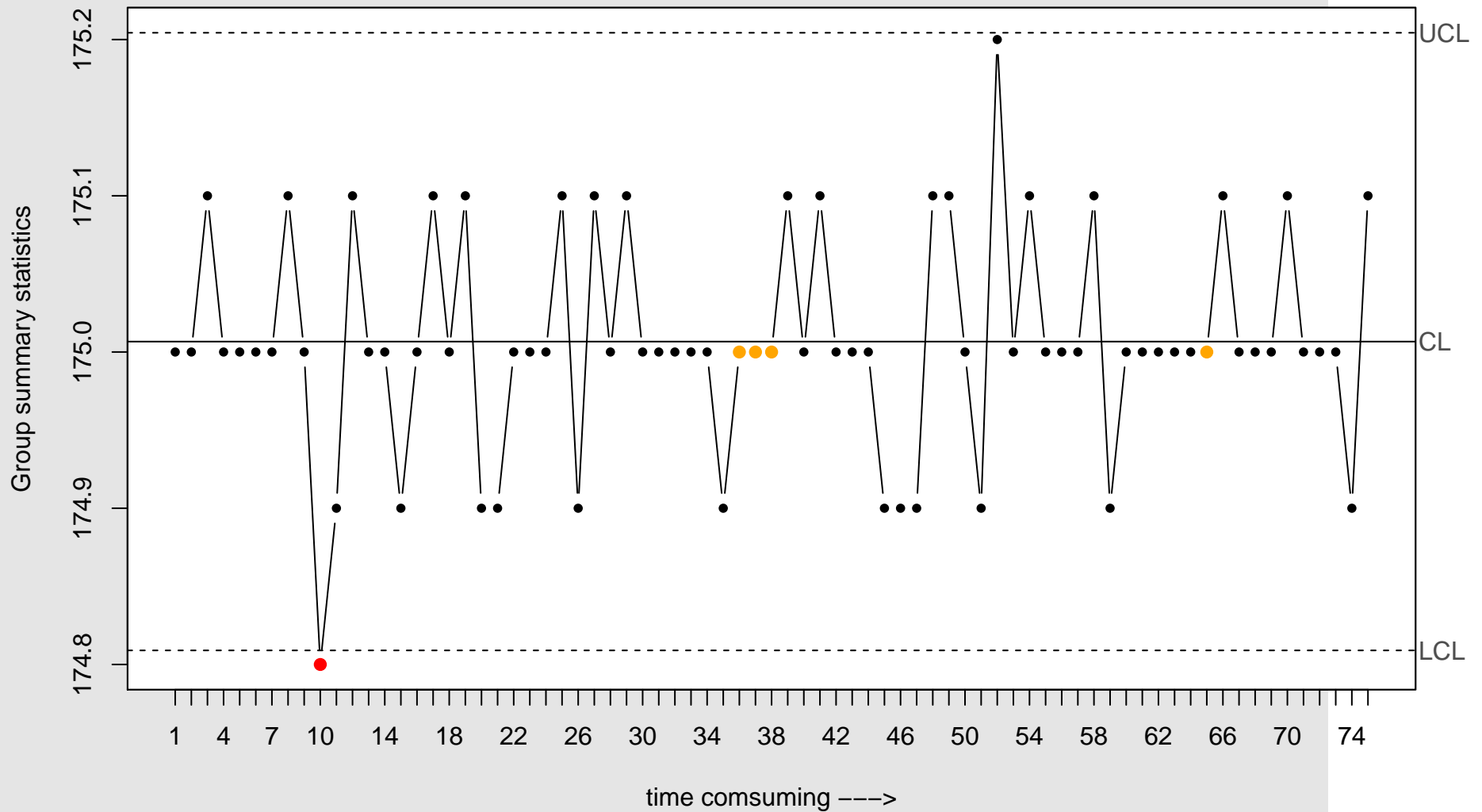


Number of groups = 75
Center = 174.0013
StdDev = 0.02875216

LCL = 173.9151
UCL = 174.0876

Number beyond limits = 15
Number violating runs = 30

2th column point of this product

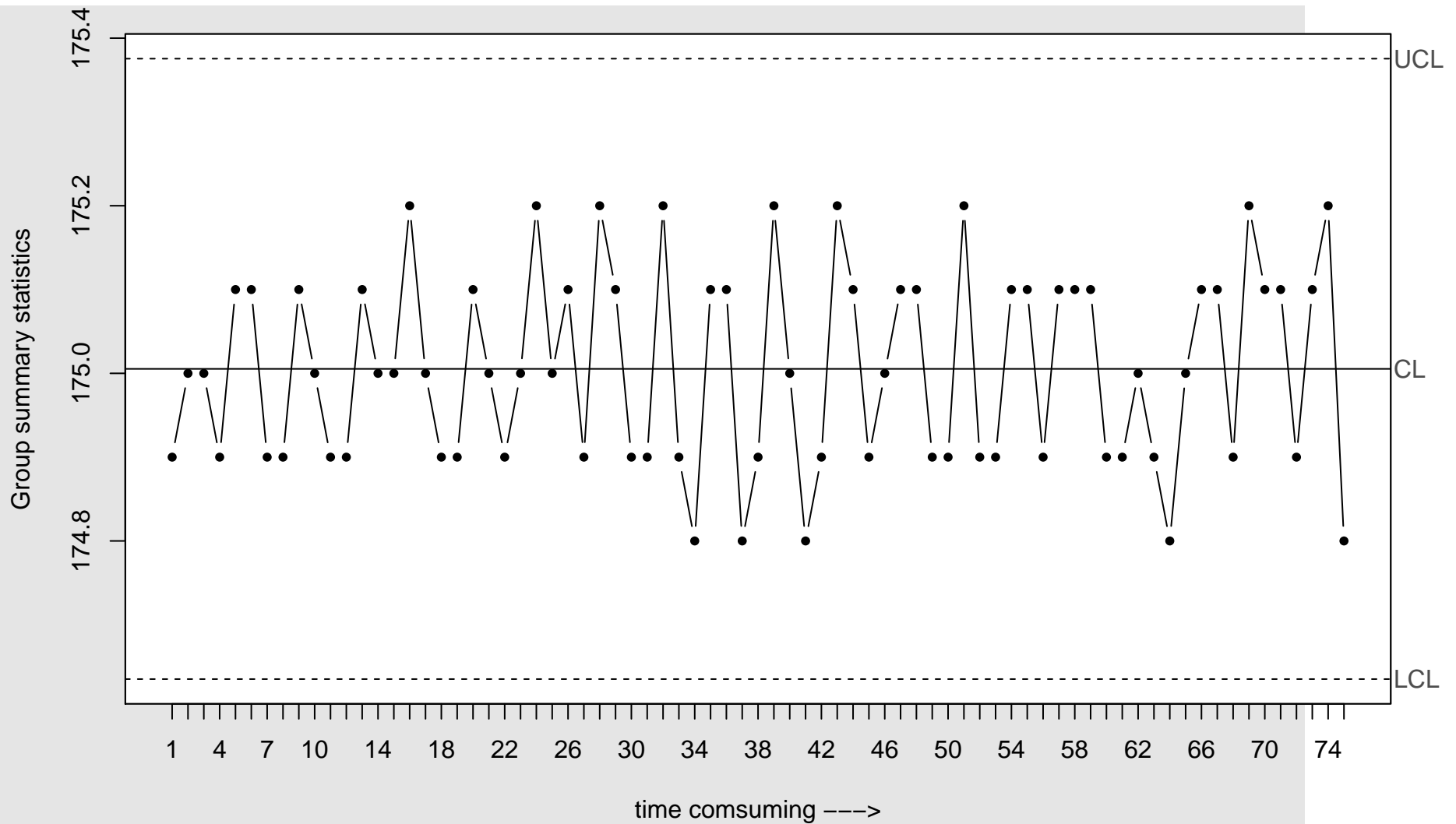


Number of groups = 75
 Center = 175.0067
 StdDev = 0.06589036

LCL = 174.809
 UCL = 175.2043

Number beyond limits = 1
 Number violating runs = 4

3th column point of this product

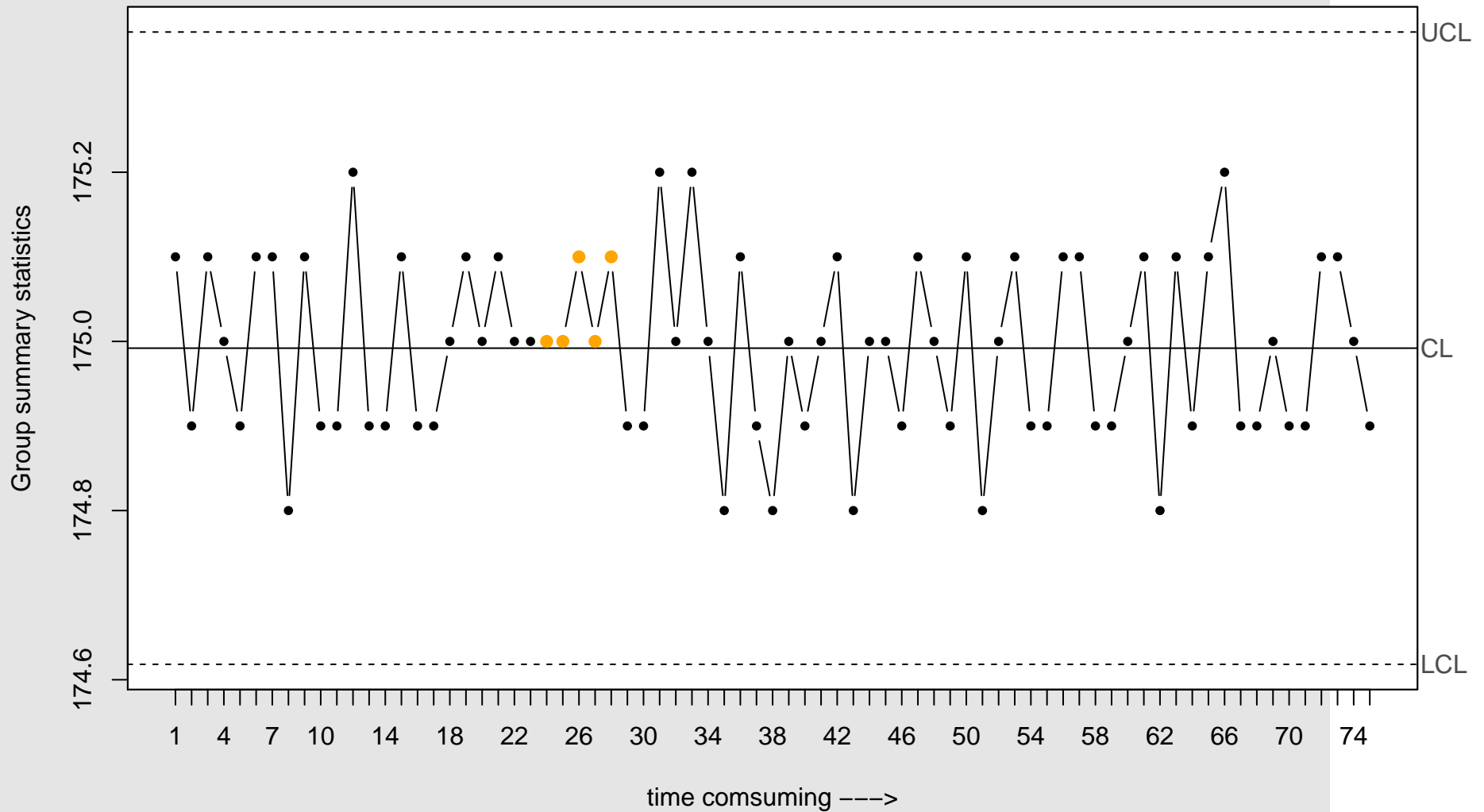


Number of groups = 75
 Center = 175.0053
 StdDev = 0.1233947

LCL = 174.6351
 UCL = 175.3755

Number beyond limits = 0
 Number violating runs = 0

4th column point of this product

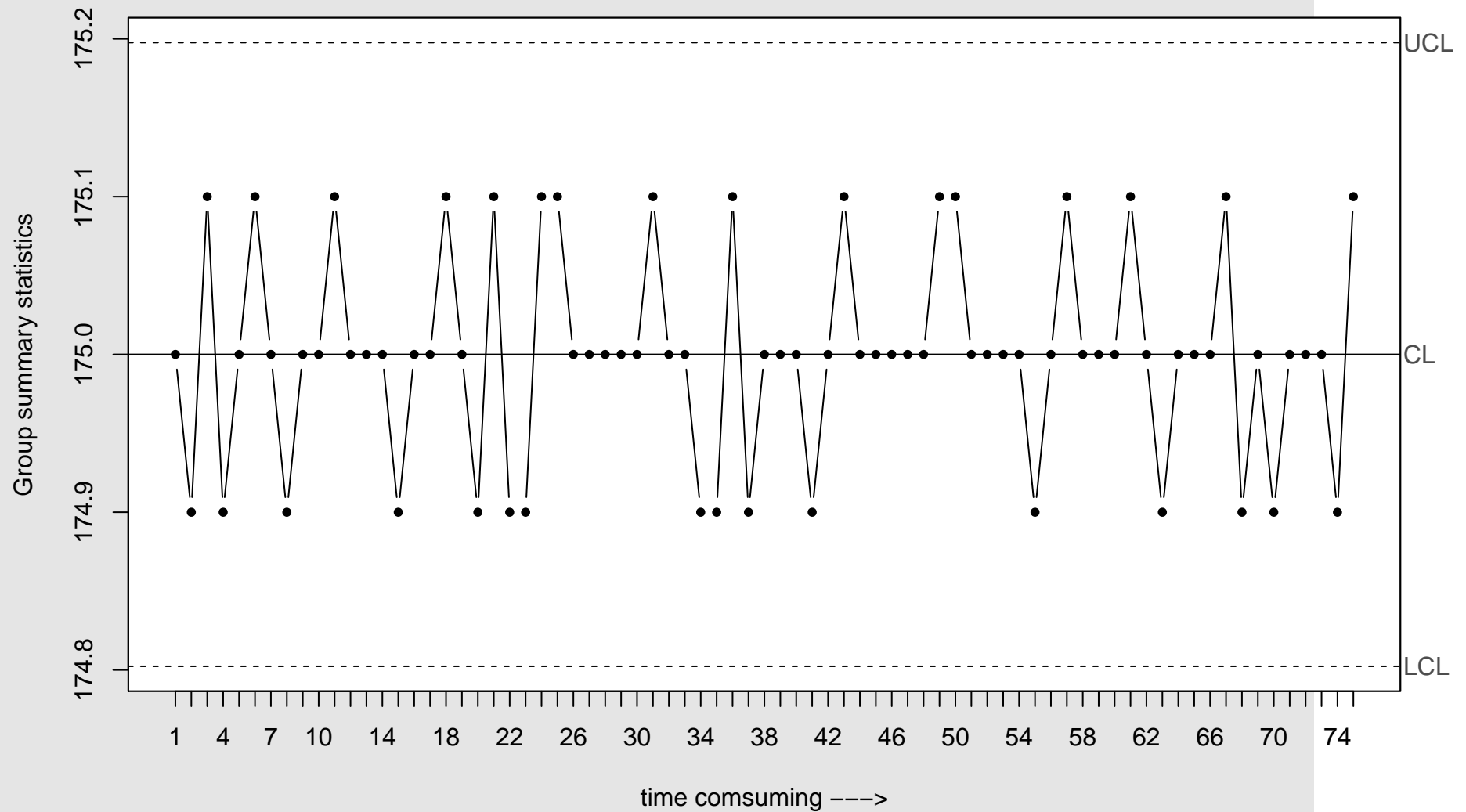


Number of groups = 75
Center = 174.992
StdDev = 0.1245927

LCL = 174.6182
UCL = 175.3658

Number beyond limits = 0
Number violating runs = 5

5th column point of this product



Number of groups = 75

Center = 175

StdDev = 0.06589036

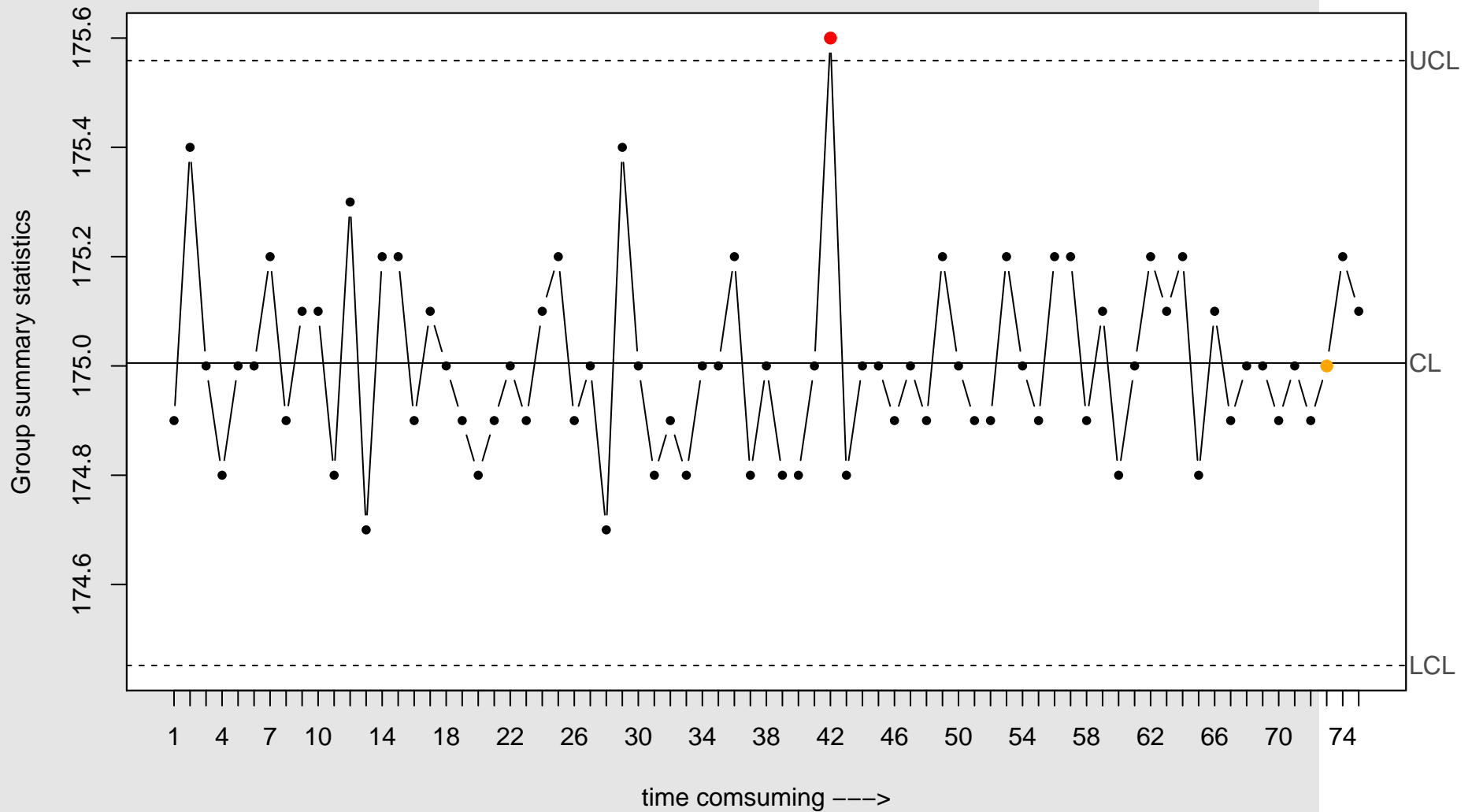
LCL = 174.8023

UCL = 175.1977

Number beyond limits = 0

Number violating runs = 0

6th column point of this product



Number of groups = 75

Center = 175.0053

StdDev = 0.184493

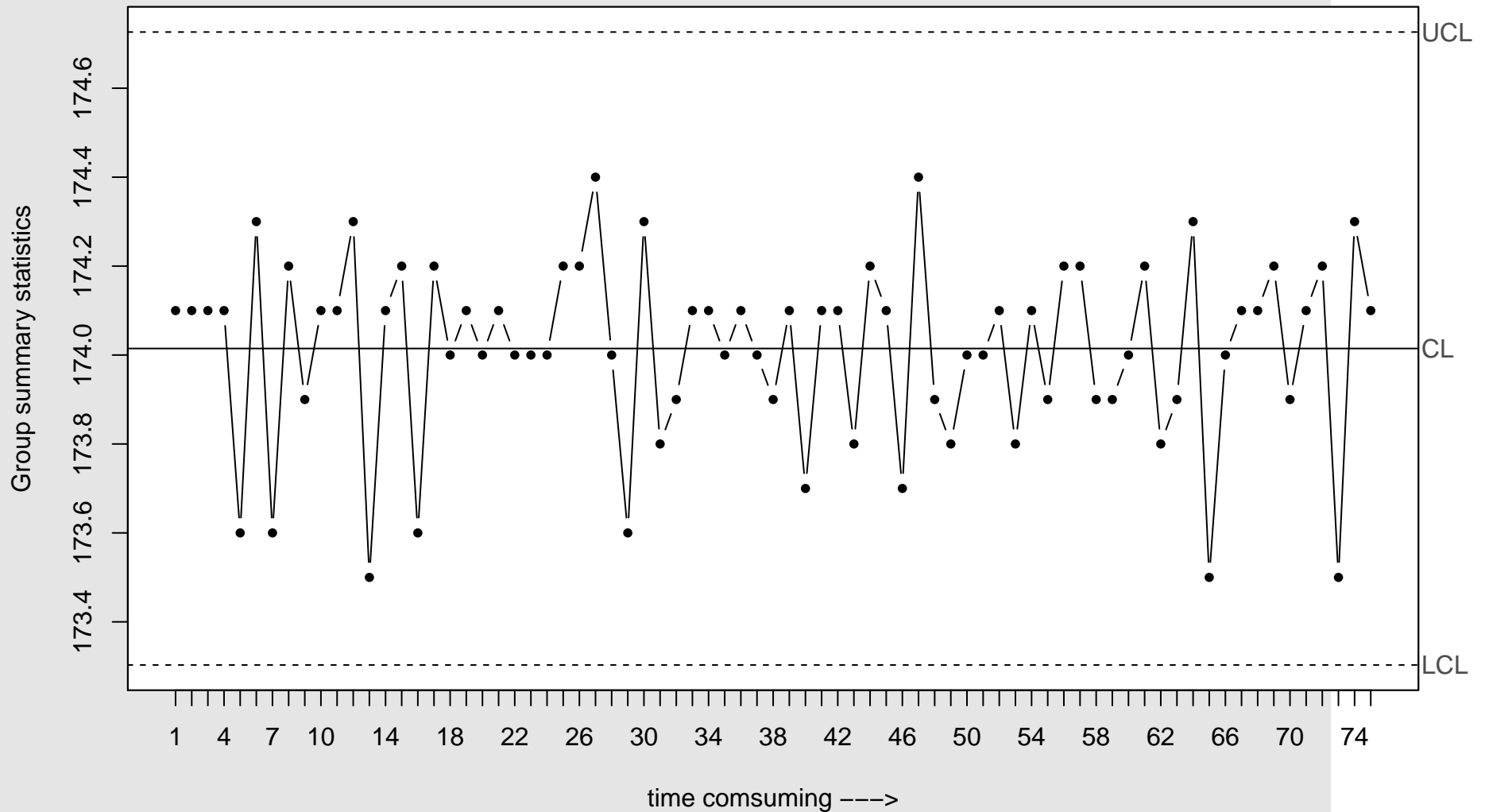
LCL = 174.4519

UCL = 175.5588

Number beyond limits = 1

Number violating runs = 1

7th column point of this product



Number of groups = 75

Center = 174.0147

StdDev = 0.2372053

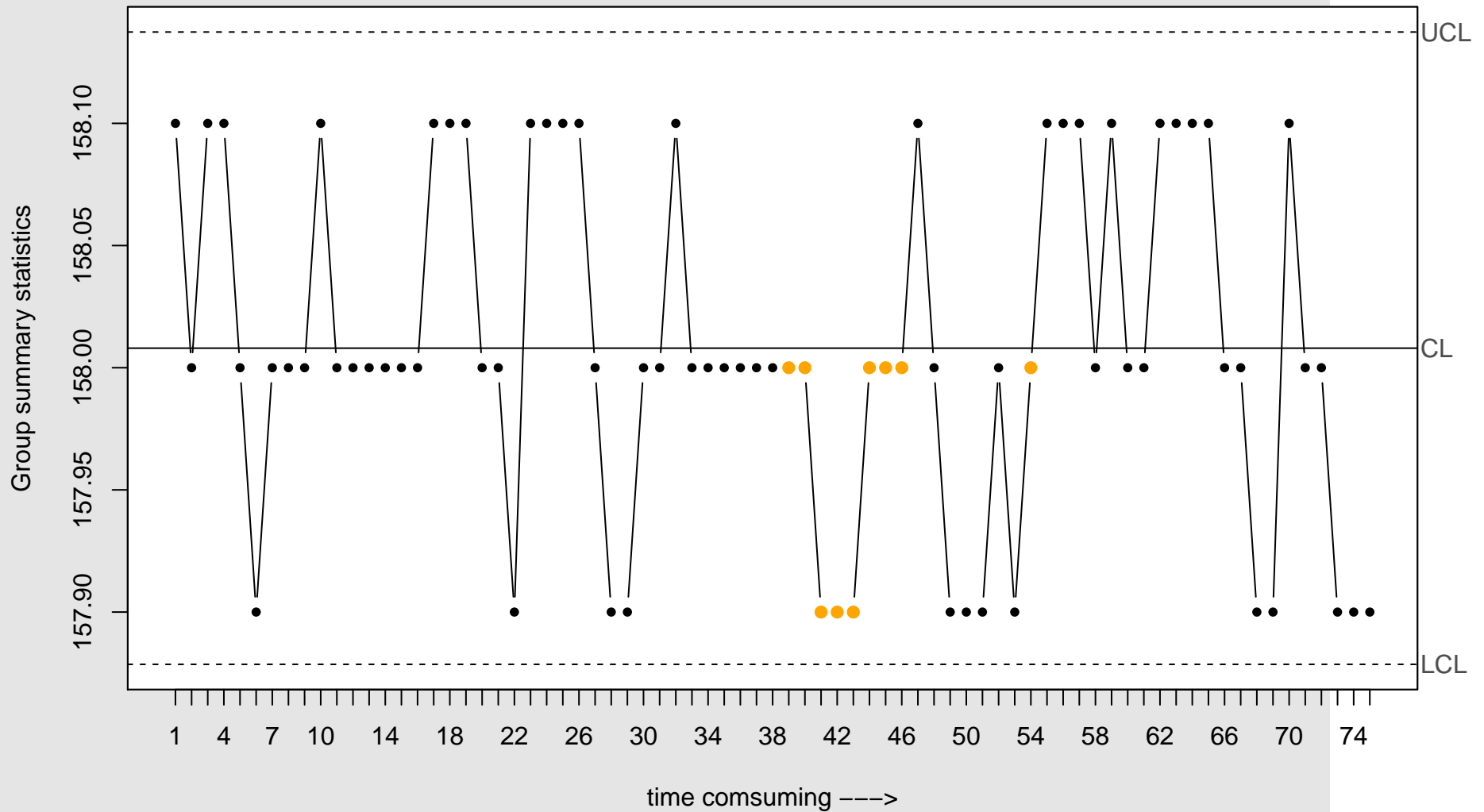
LCL = 173.3031

UCL = 174.7263

Number beyond limits = 0

Number violating runs = 0

8th column point of this product

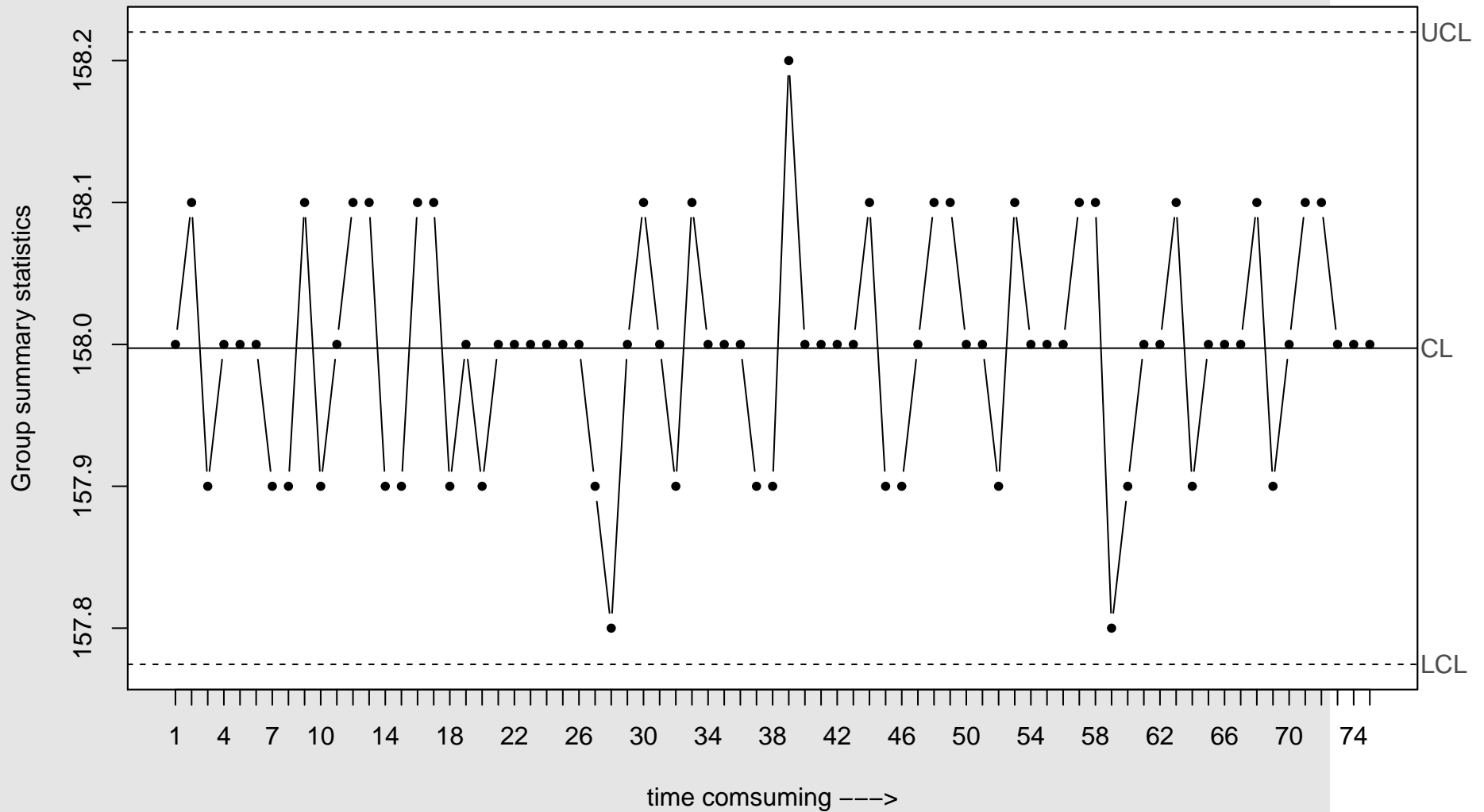


Number of groups = 75
 Center = 158.008
 StdDev = 0.04312823

LCL = 157.8786
 UCL = 158.1374

Number beyond limits = 0
 Number violating runs = 9

9th column point of this product



Number of groups = 75

Center = 157.9973

StdDev = 0.0742764

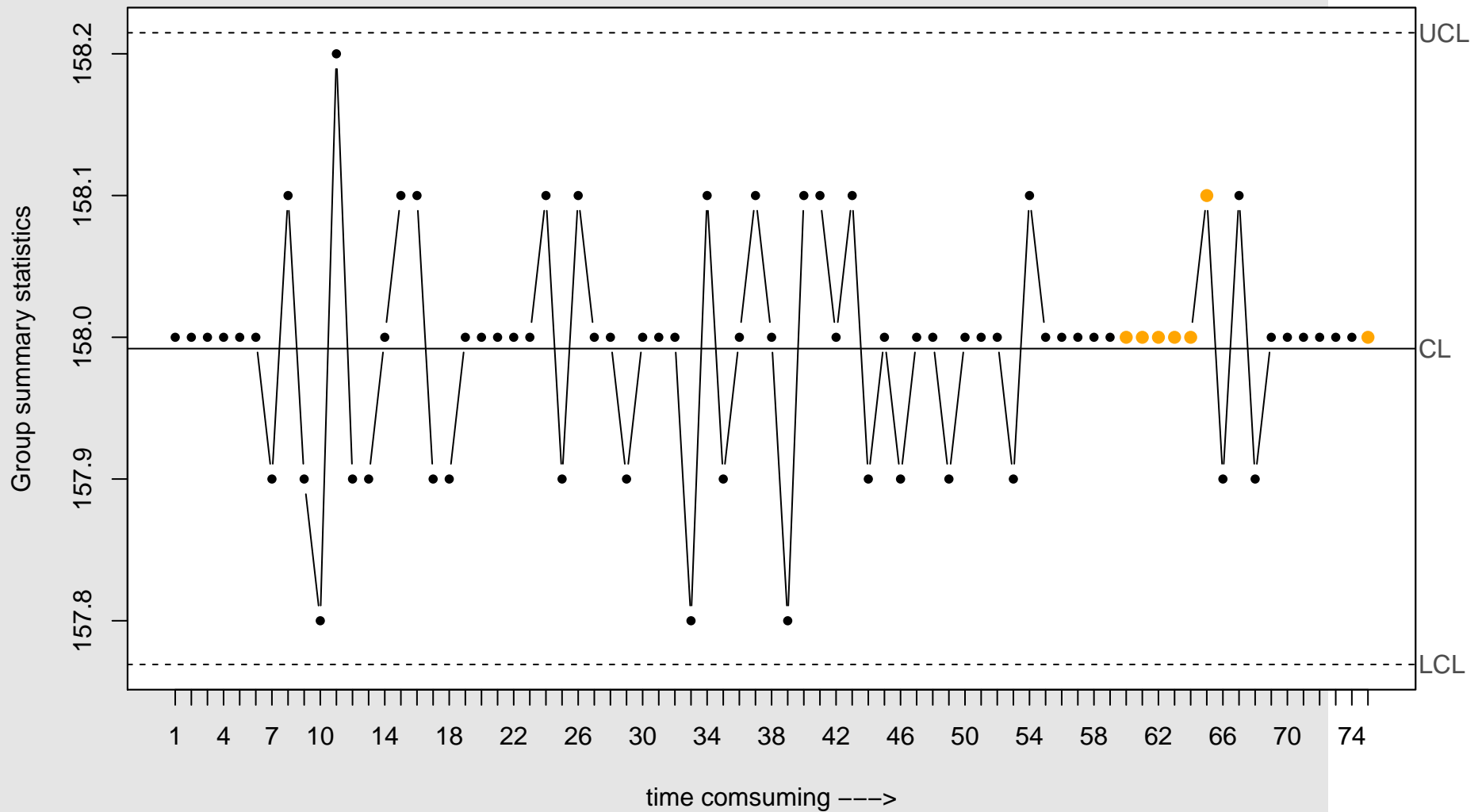
LCL = 157.7745

UCL = 158.2202

Number beyond limits = 0

Number violating runs = 0

10th column point of this product

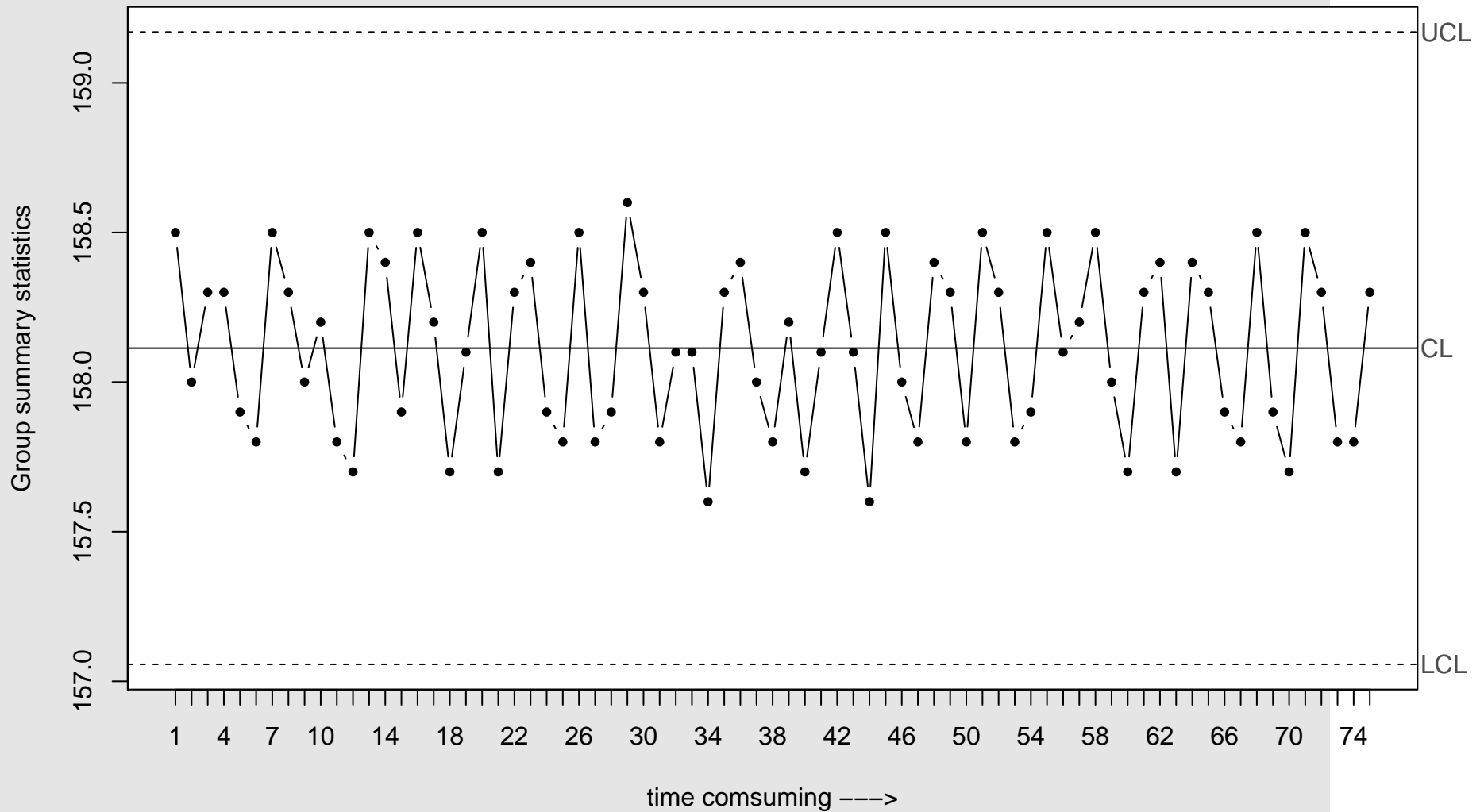


Number of groups = 75
Center = 157.992
StdDev = 0.0742764

LCL = 157.7692
UCL = 158.2148

Number beyond limits = 0
Number violating runs = 7

11th column point of this product



Number of groups = 75

Center = 158.1133

StdDev = 0.3522139

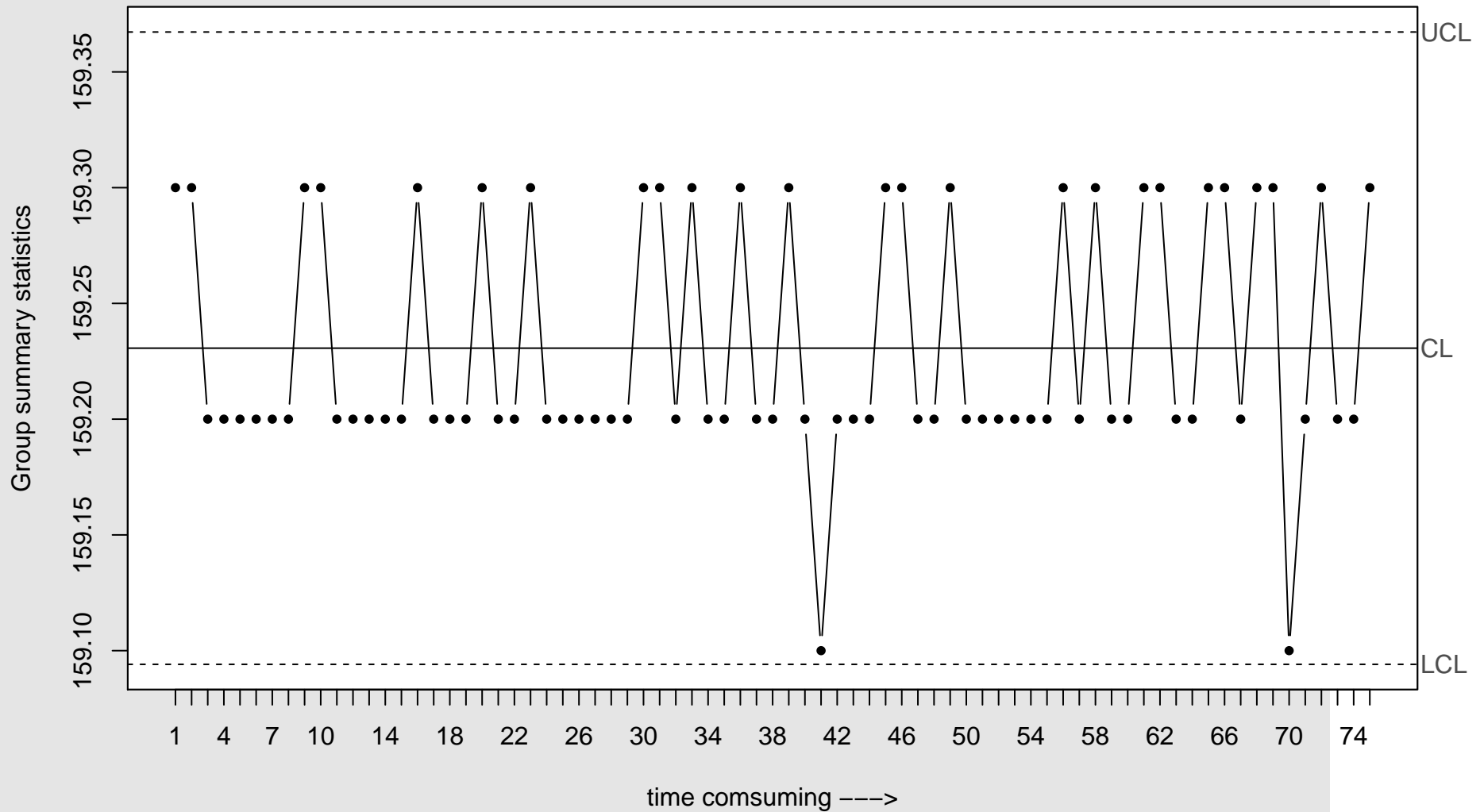
LCL = 157.0567

UCL = 159.17

Number beyond limits = 0

Number violating runs = 0

12th column point of this product

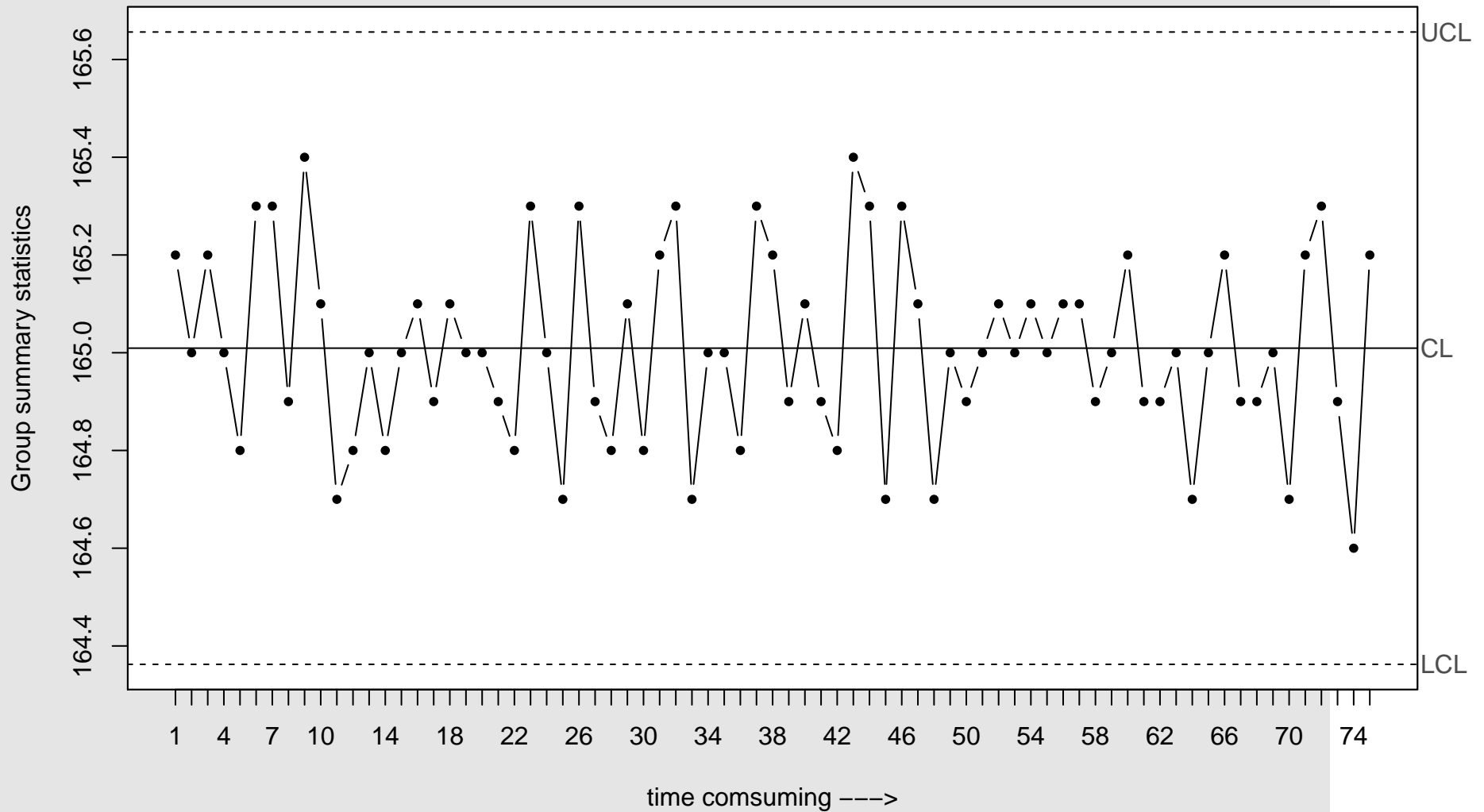


Number of groups = 75
 Center = 159.2307
 StdDev = 0.04552425

LCL = 159.0941
 UCL = 159.3672

Number beyond limits = 0
 Number violating runs = 0

13th column point of this product

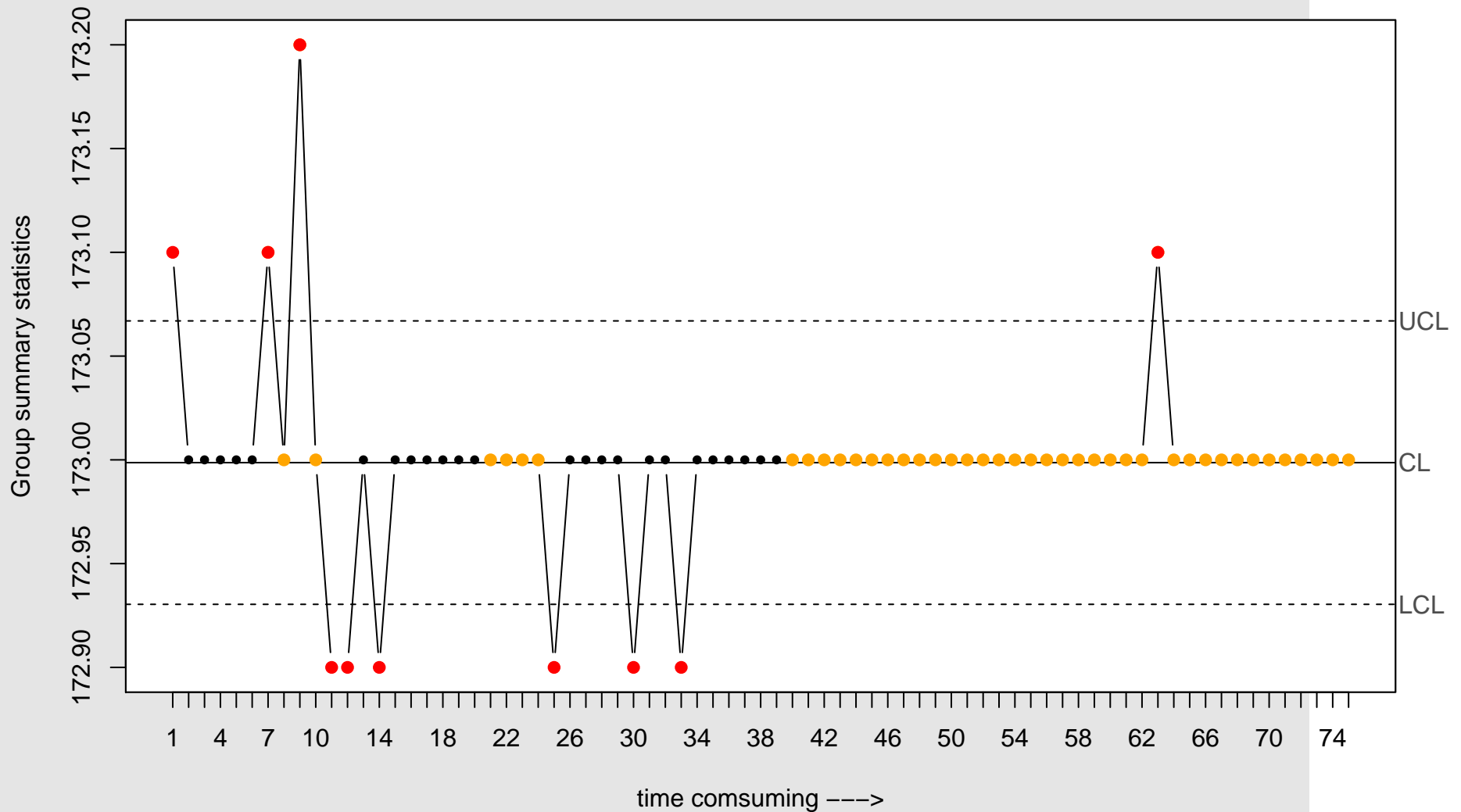


Number of groups = 75
Center = 165.0093
StdDev = 0.2156412

LCL = 164.3624
UCL = 165.6563

Number beyond limits = 0
Number violating runs = 0

14th column point of this product

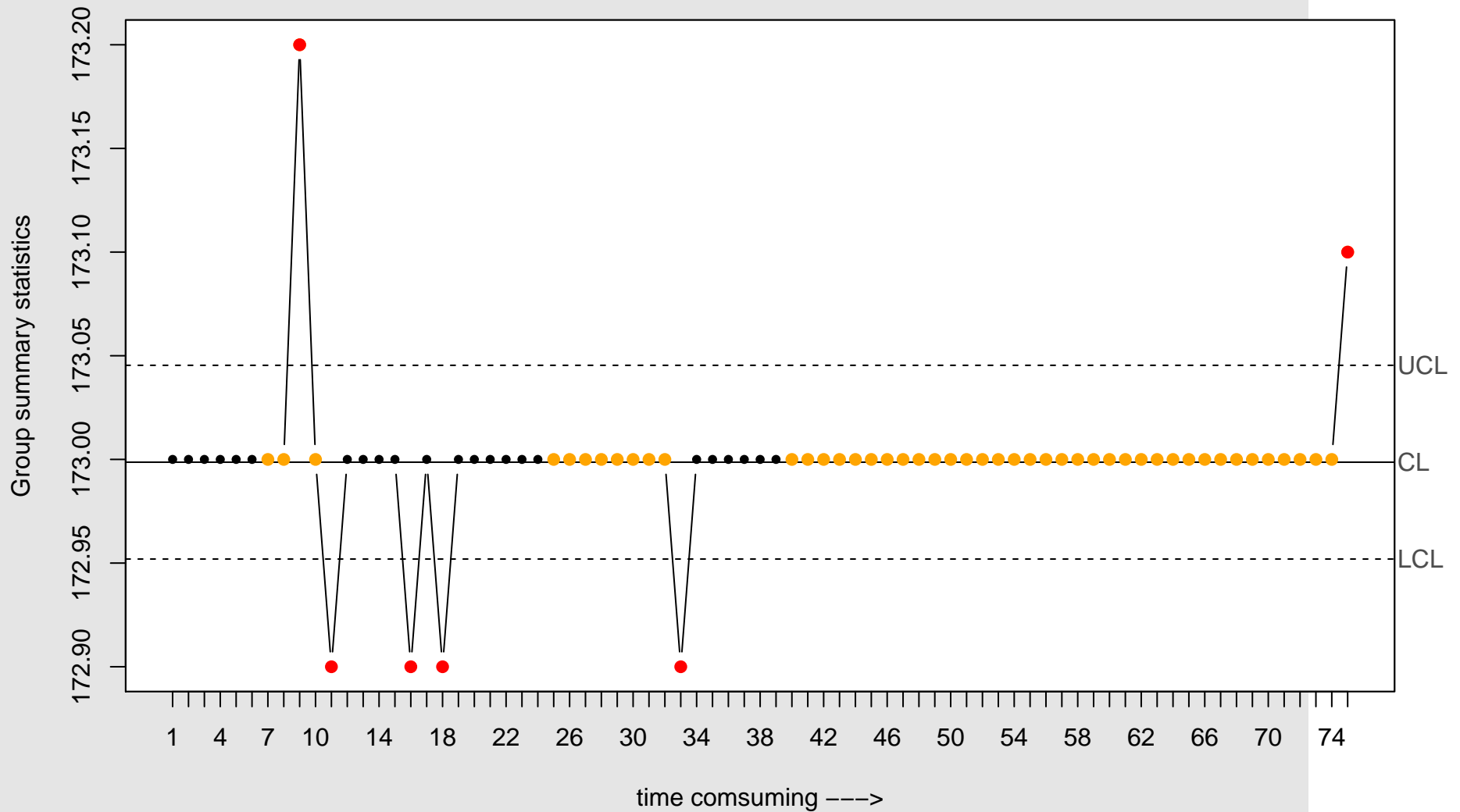


Number of groups = 75
Center = 172.9987
StdDev = 0.02276212

LCL = 172.9304
UCL = 173.067

Number beyond limits = 10
Number violating runs = 44

15th column point of this product

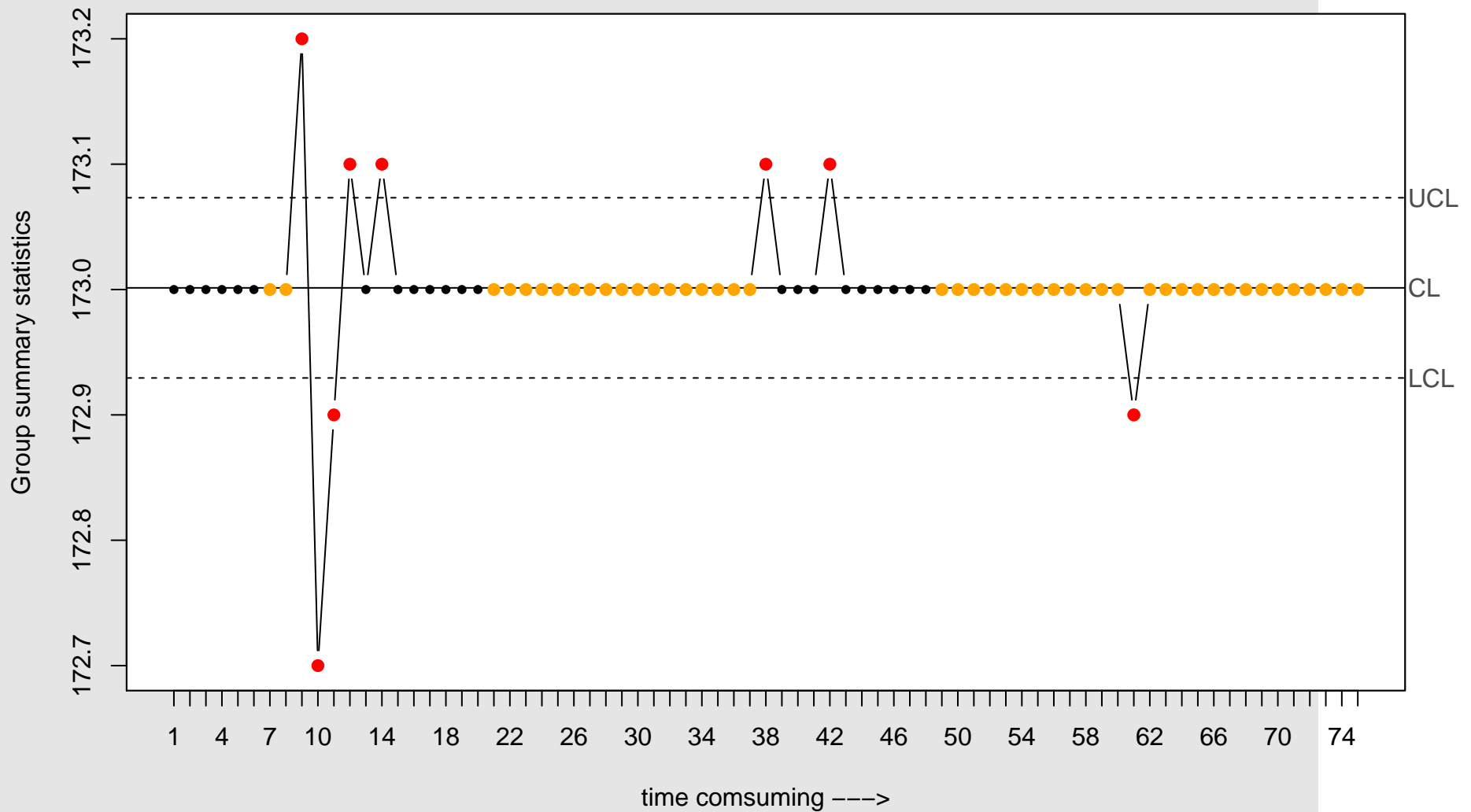


Number of groups = 75
Center = 172.9987
StdDev = 0.01557408

LCL = 172.9519
UCL = 173.0454

Number beyond limits = 6
Number violating runs = 48

16th column point of this product

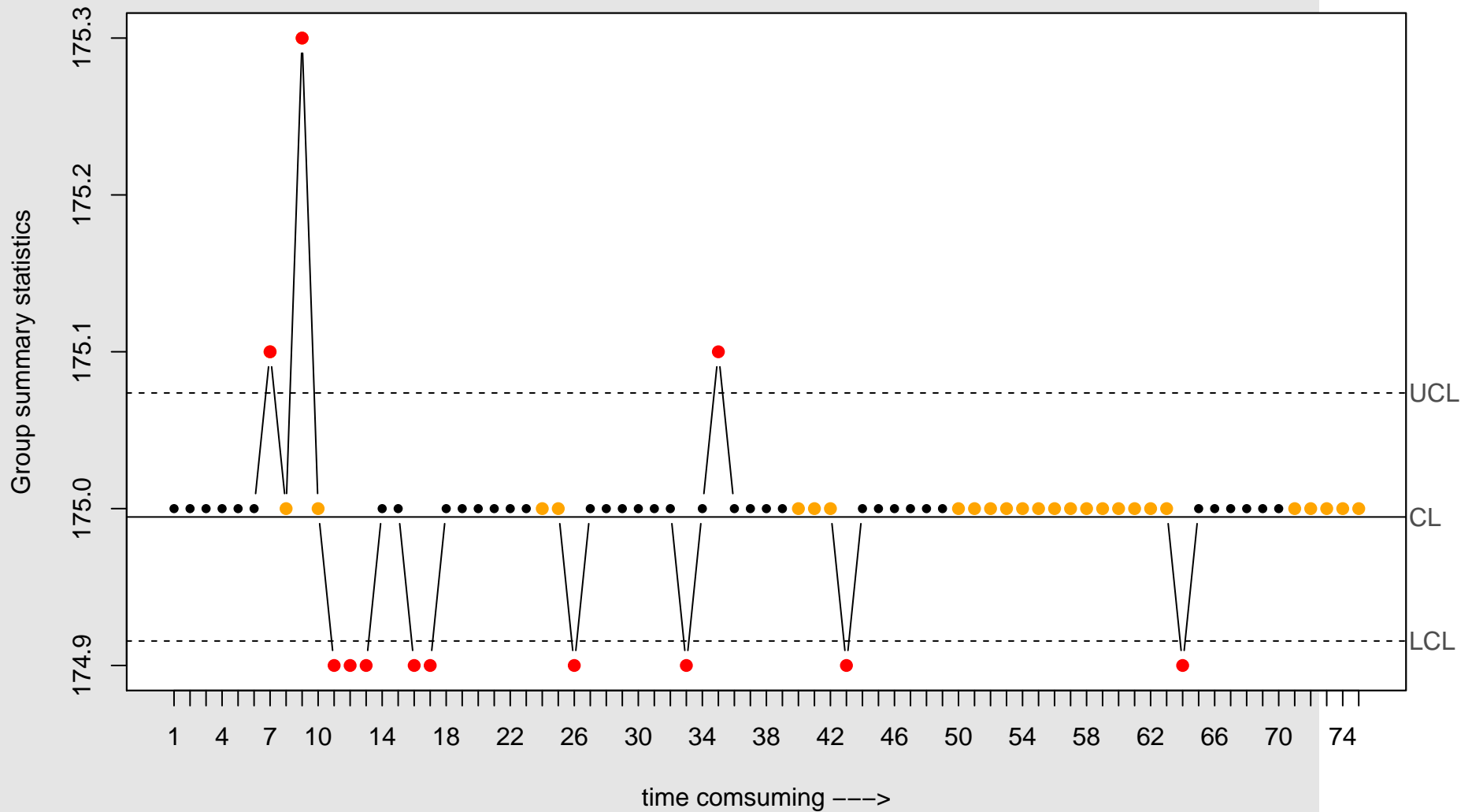


Number of groups = 75
Center = 173.0013
StdDev = 0.02396013

LCL = 172.9295
UCL = 173.0732

Number beyond limits = 8
Number violating runs = 46

17th column point of this product

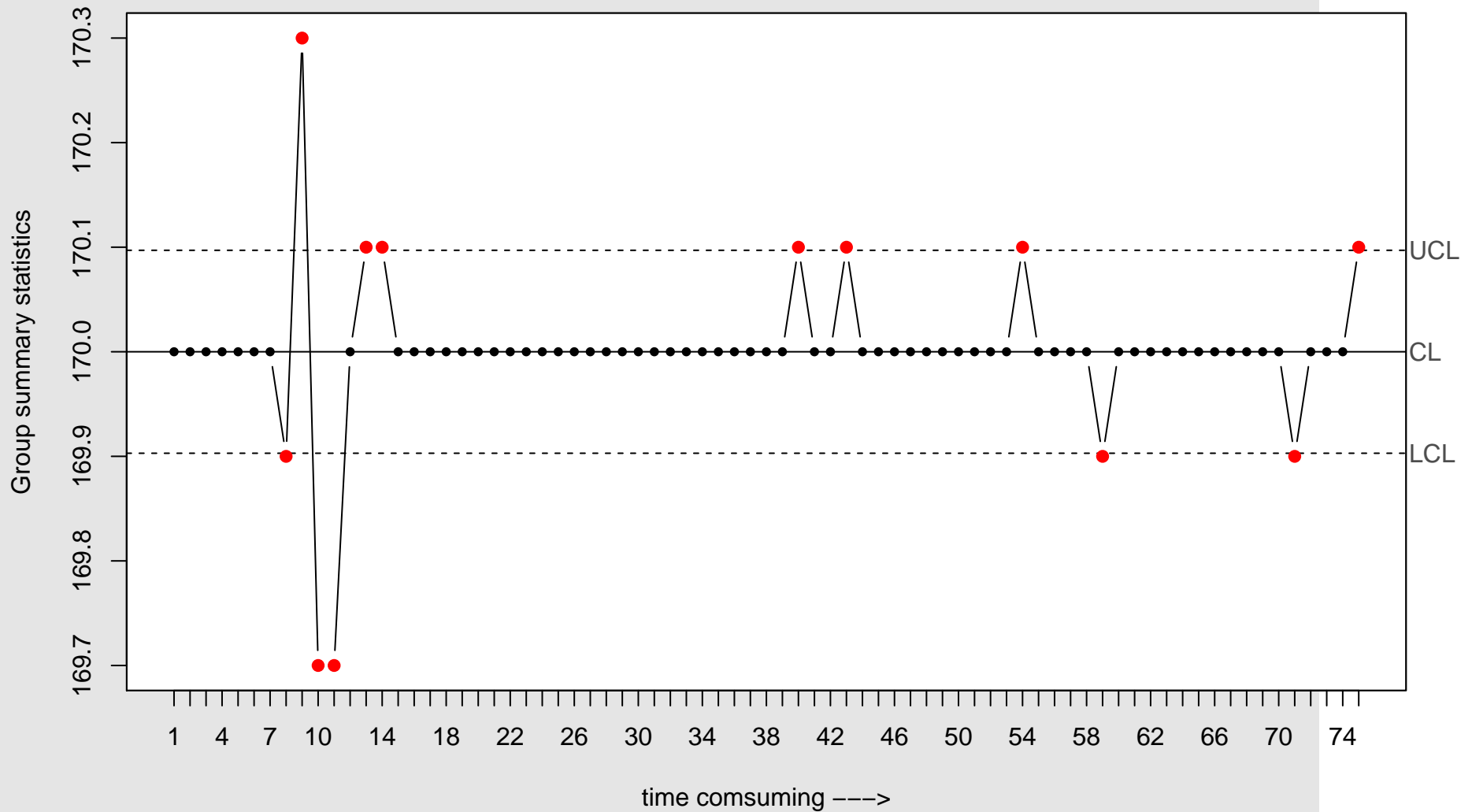


Number of groups = 75
Center = 174.9947
StdDev = 0.02635614

LCL = 174.9156
UCL = 175.0737

Number beyond limits = 12
Number violating runs = 28

18th column point of this product



Number of groups = 75

Center = 170

StdDev = 0.03234618

LCL = 169.903

UCL = 170.097

Number beyond limits = 12

Number violating runs = 0