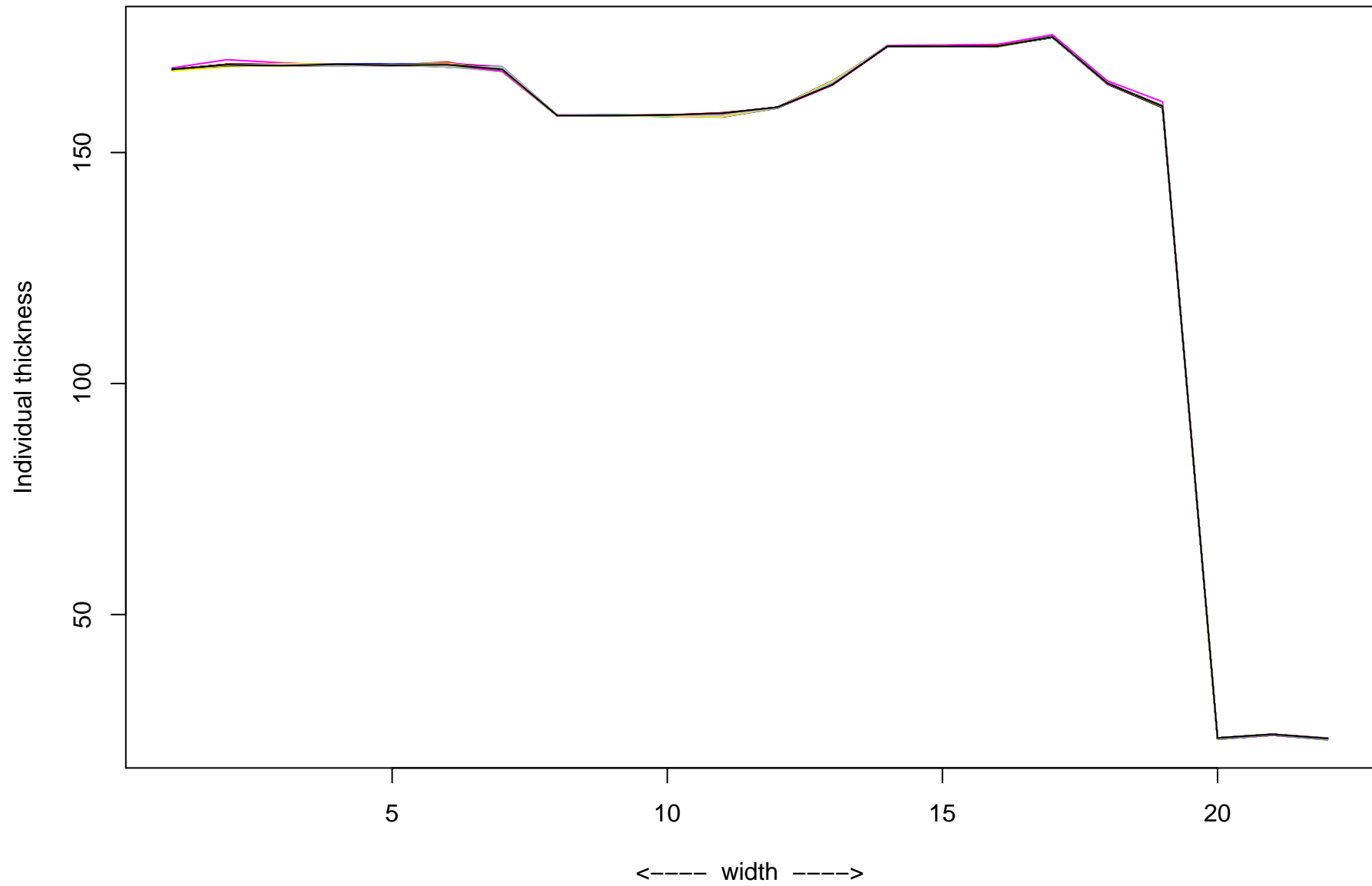
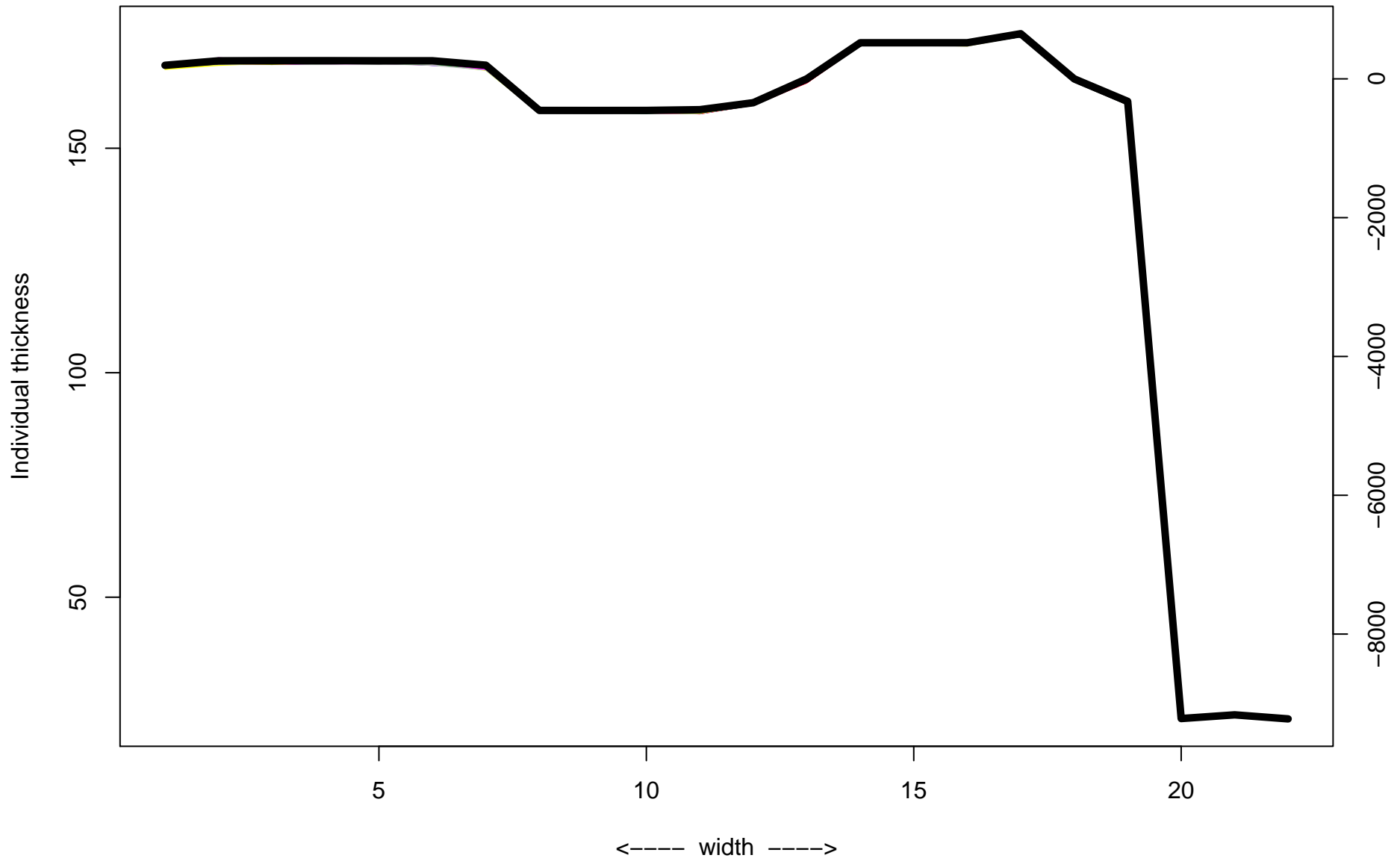


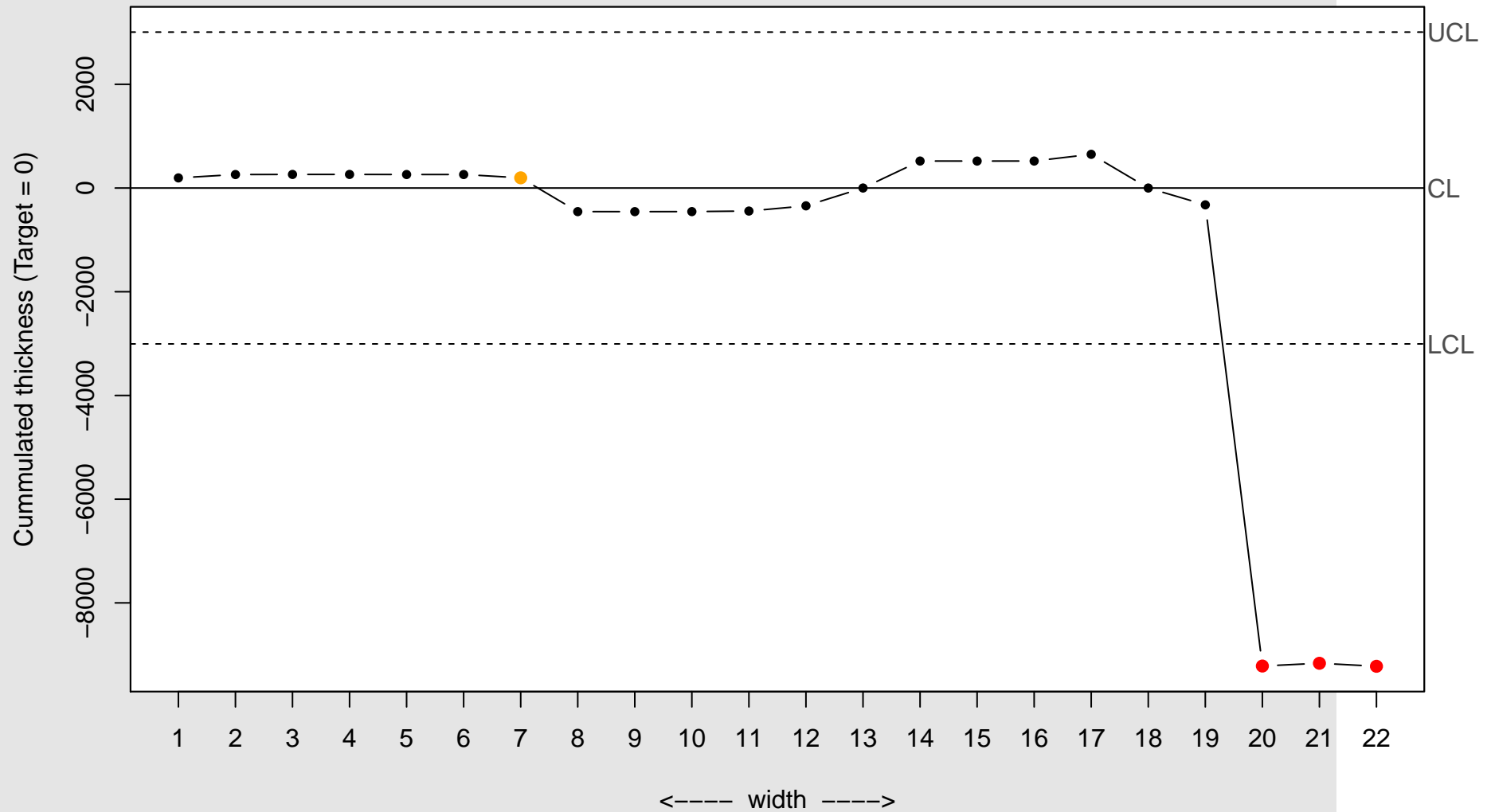
Individual thickness only



Simulated thickness



Simulated thickness



Number of groups = 22

Center = 0

StdDev = 501.0638

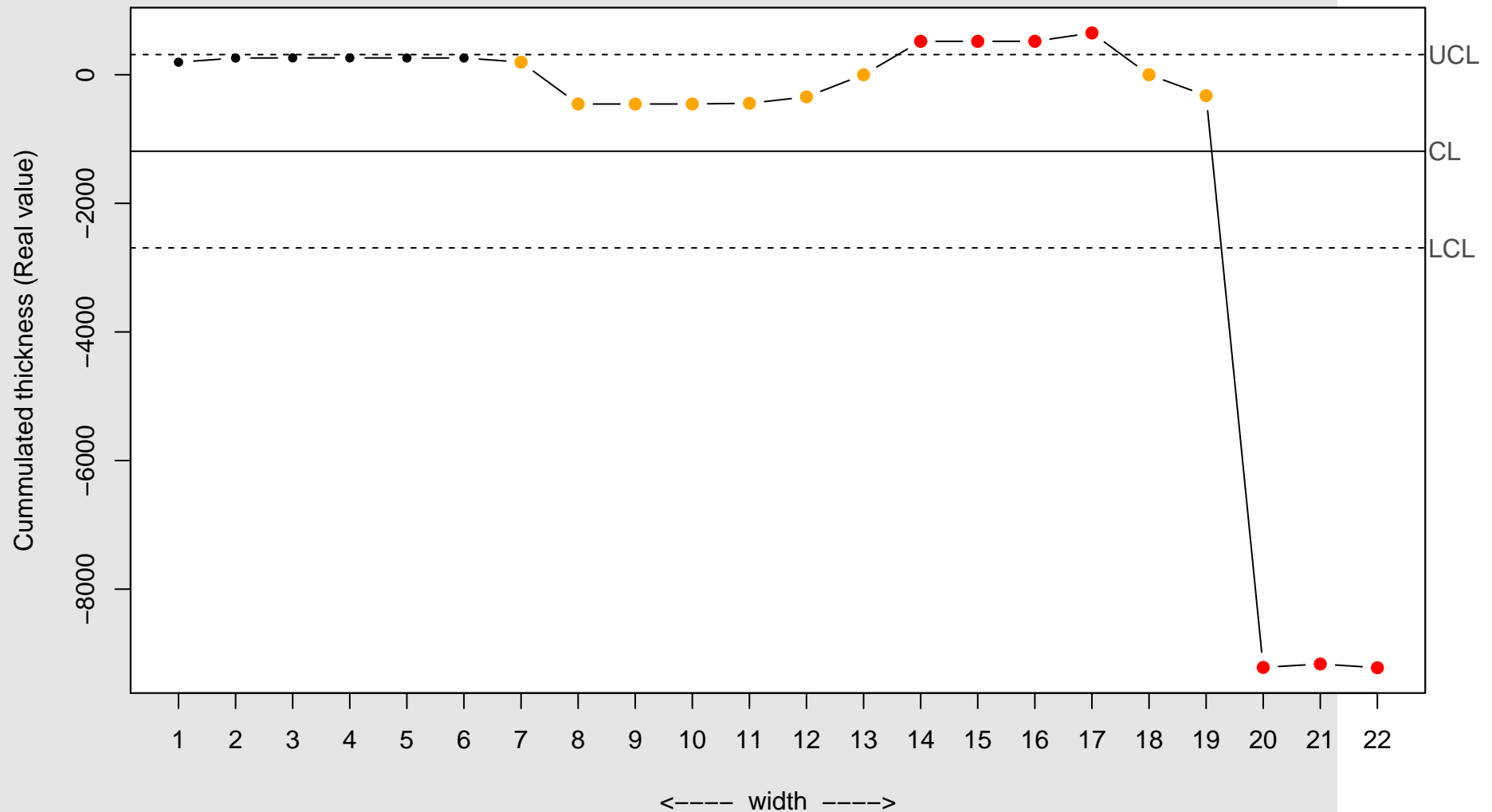
LCL = -3006.383

UCL = 3006.383

Number beyond limits = 3

Number violating runs = 1

Simulated thickness: Cpk is -0.1177 and z is -1.853.

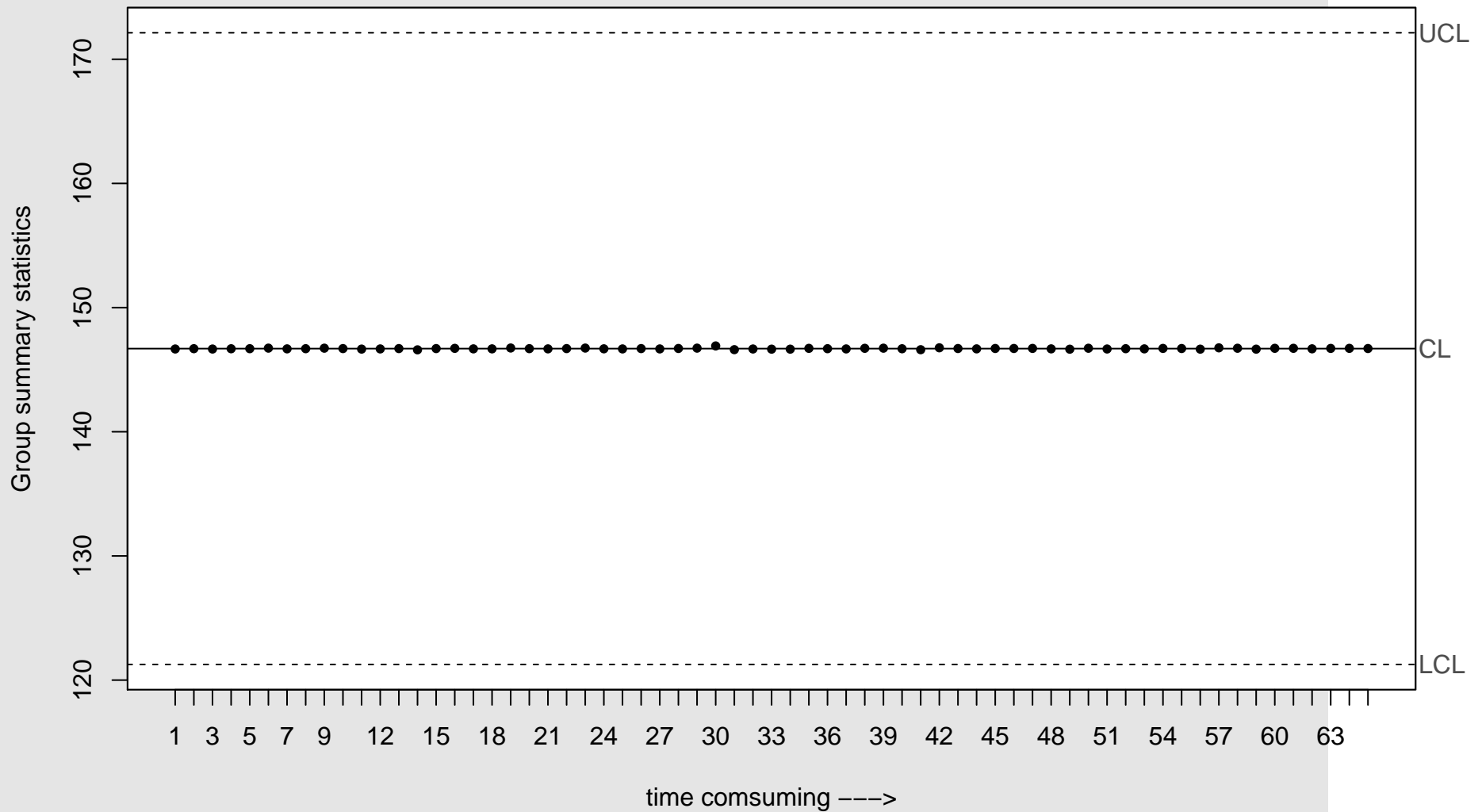


Number of groups = 22
Center = -1189.745
StdDev = 501.0638

LCL = -2692.937
UCL = 313.446

Number beyond limits = 7
Number violating runs = 13

X-bar chart for a given dataset

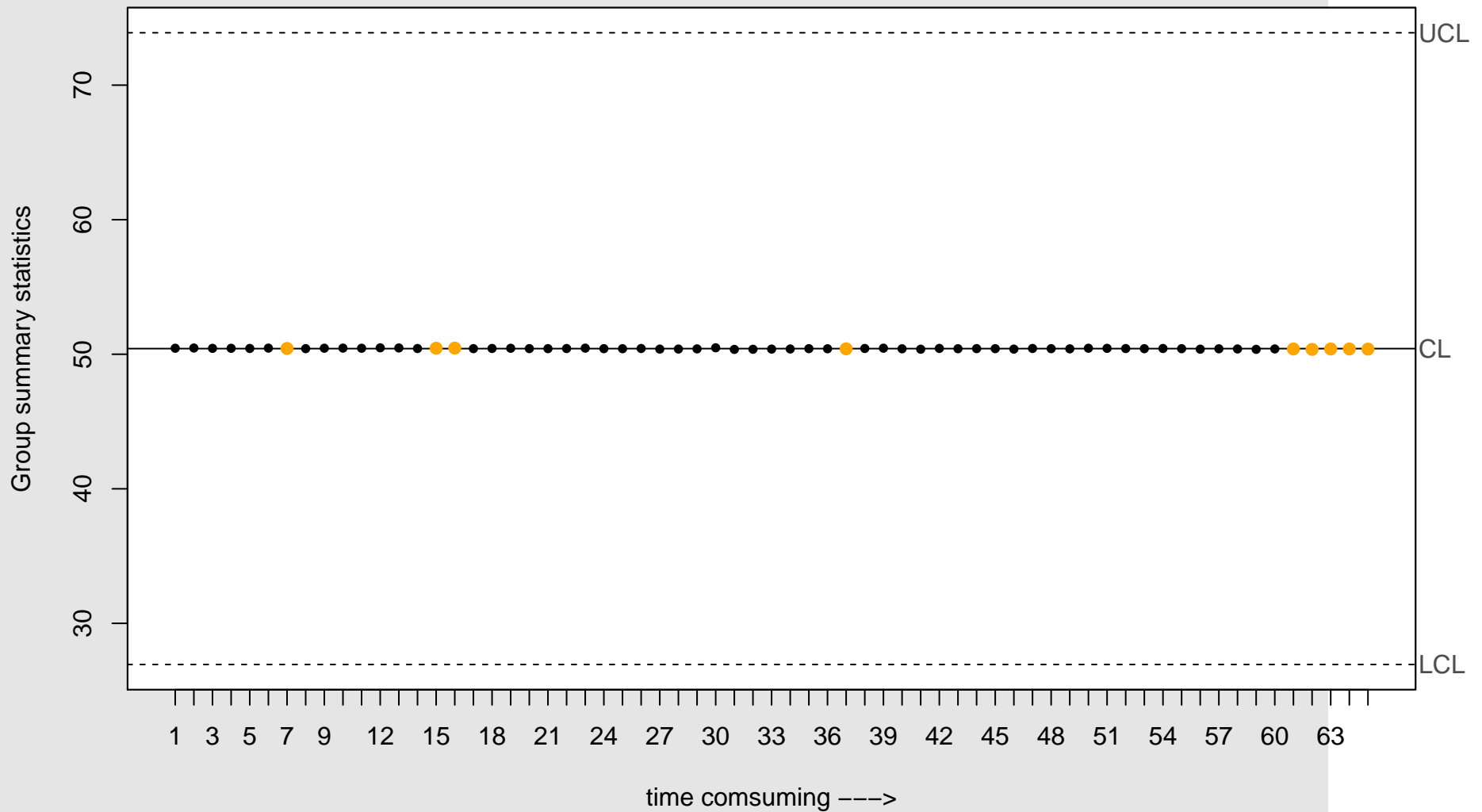


Number of groups = 65
Center = 146.6962
StdDev = 39.77038

LCL = 121.259
UCL = 172.1334

Number beyond limits = 0
Number violating runs = 0

S chart for a given dataset

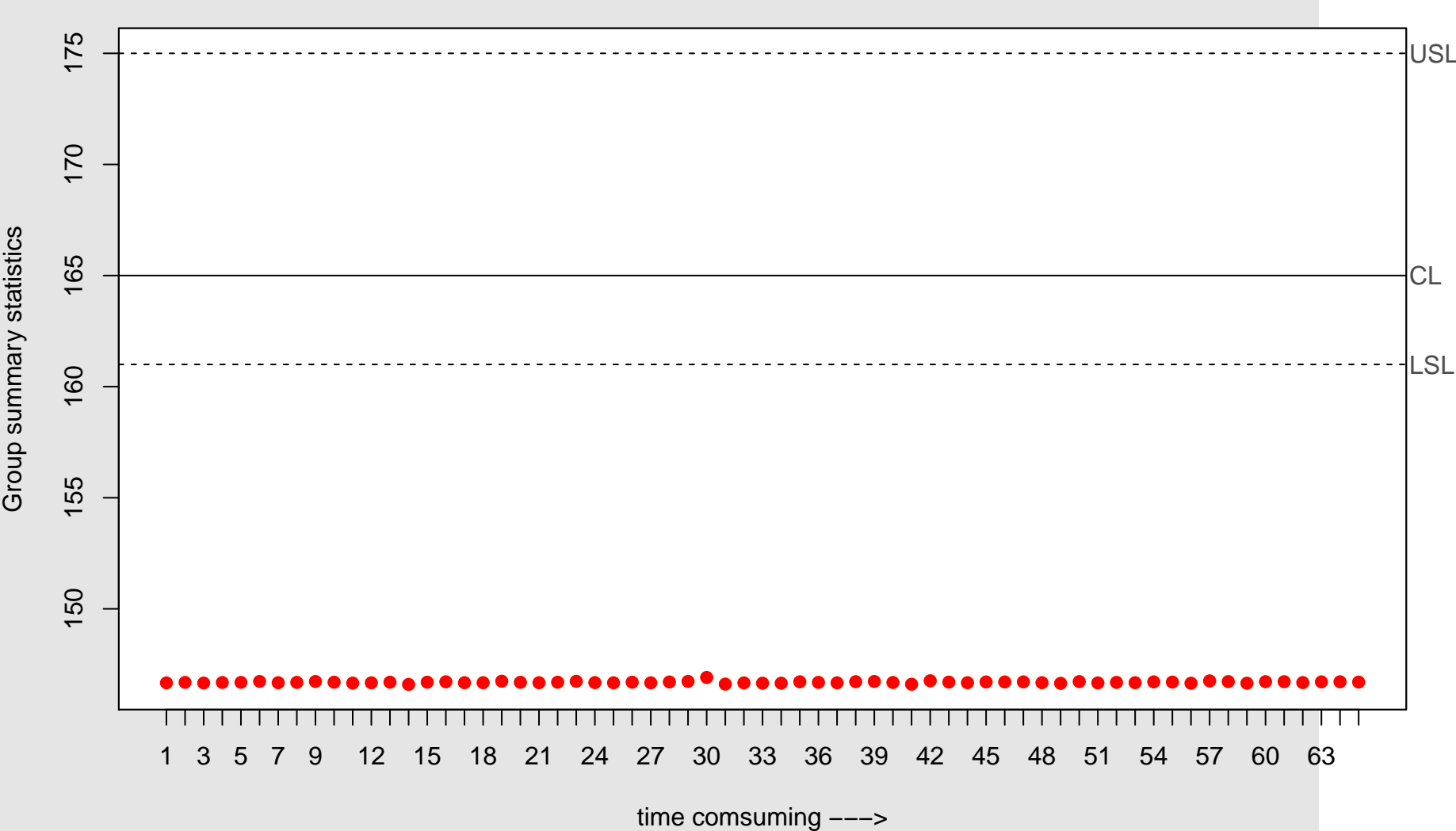


Number of groups = 65
Center = 50.4182
StdDev = 51.02177

LCL = 26.94397
UCL = 73.89243

Number beyond limits = 0
Number violating runs = 9

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

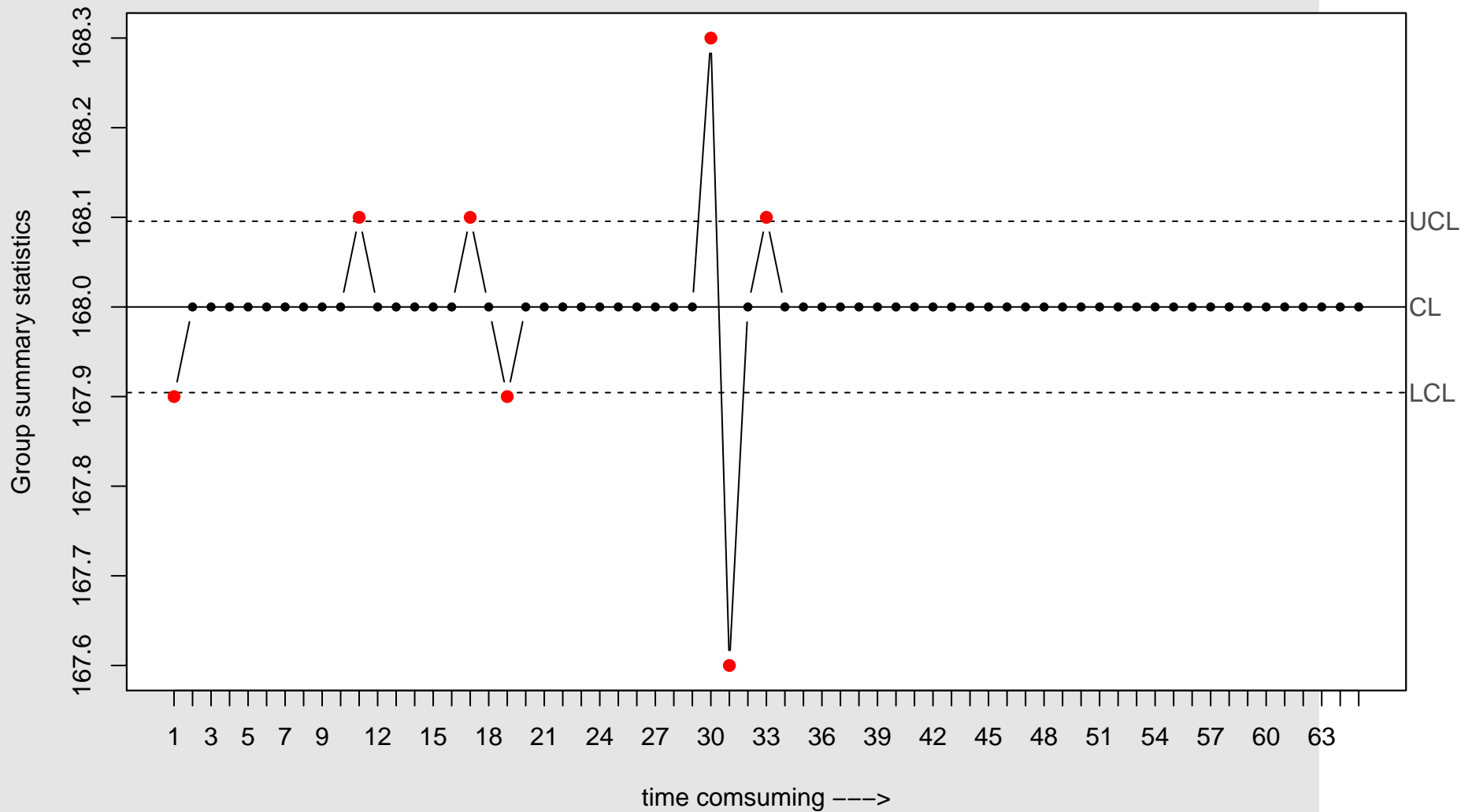


Number of groups = 65
Center = 165
StdDev = 39.77038

LCL = 161
UCL = 175

Number beyond limits = 65
Number violating runs = 59

1th column point of this product

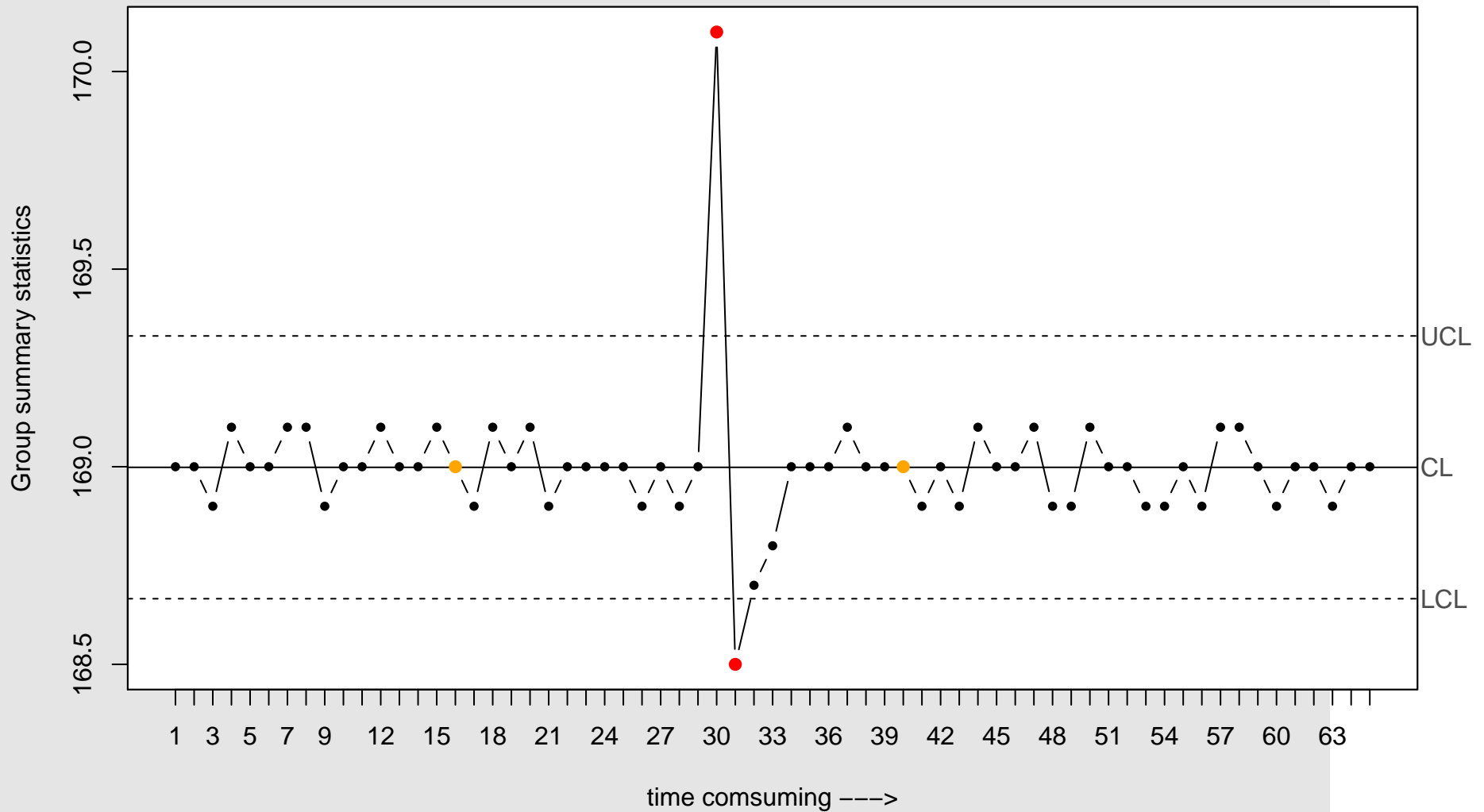


Number of groups = 65
Center = 168
StdDev = 0.03185949

LCL = 167.9044
UCL = 168.0956

Number beyond limits = 7
Number violating runs = 0

2th column point of this product



Number of groups = 65

Center = 168.9985

StdDev = 0.1108156

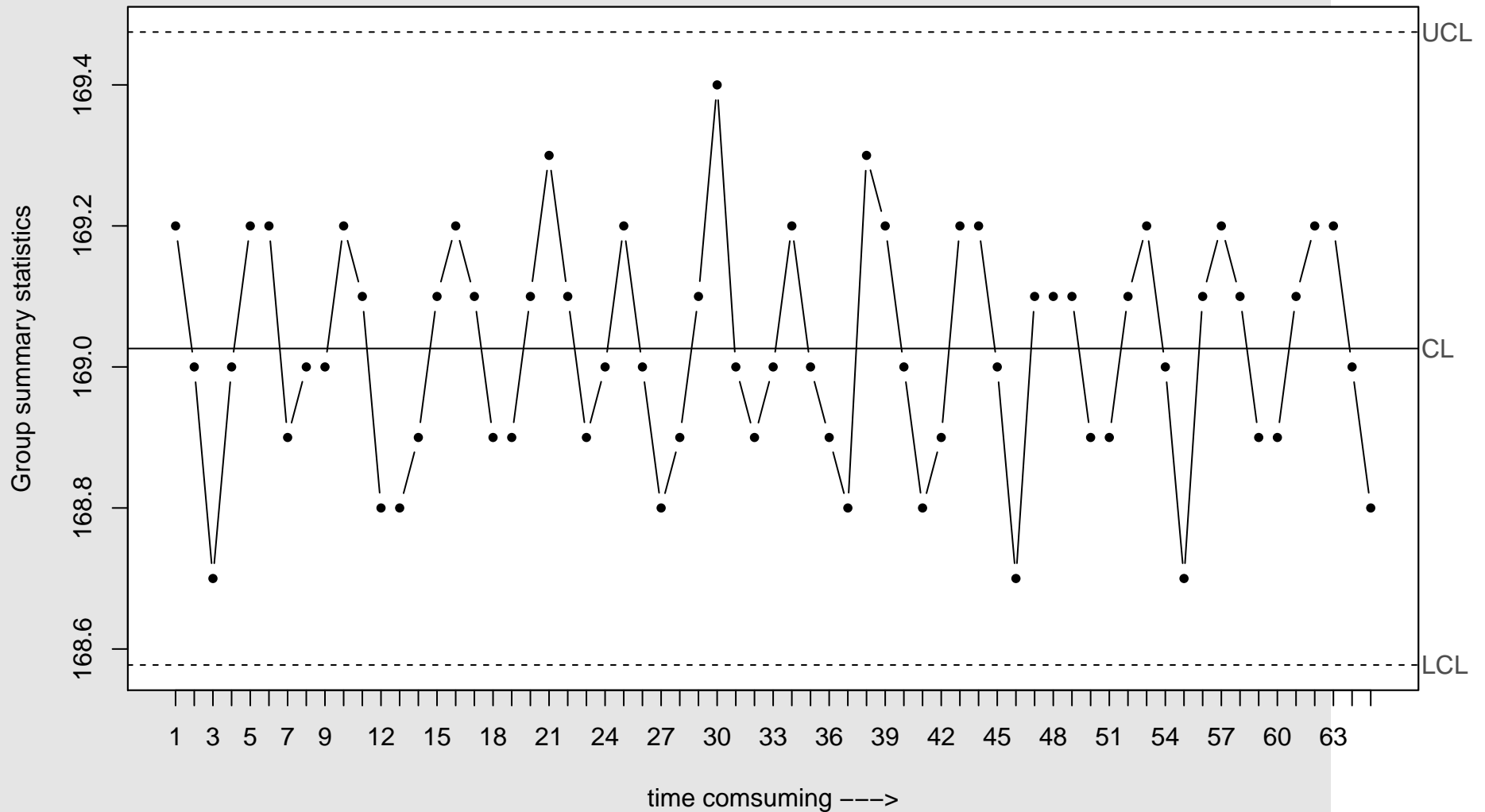
LCL = 168.666

UCL = 169.3309

Number beyond limits = 2

Number violating runs = 2

3th column point of this product



Number of groups = 65

Center = 169.0262

StdDev = 0.1496011

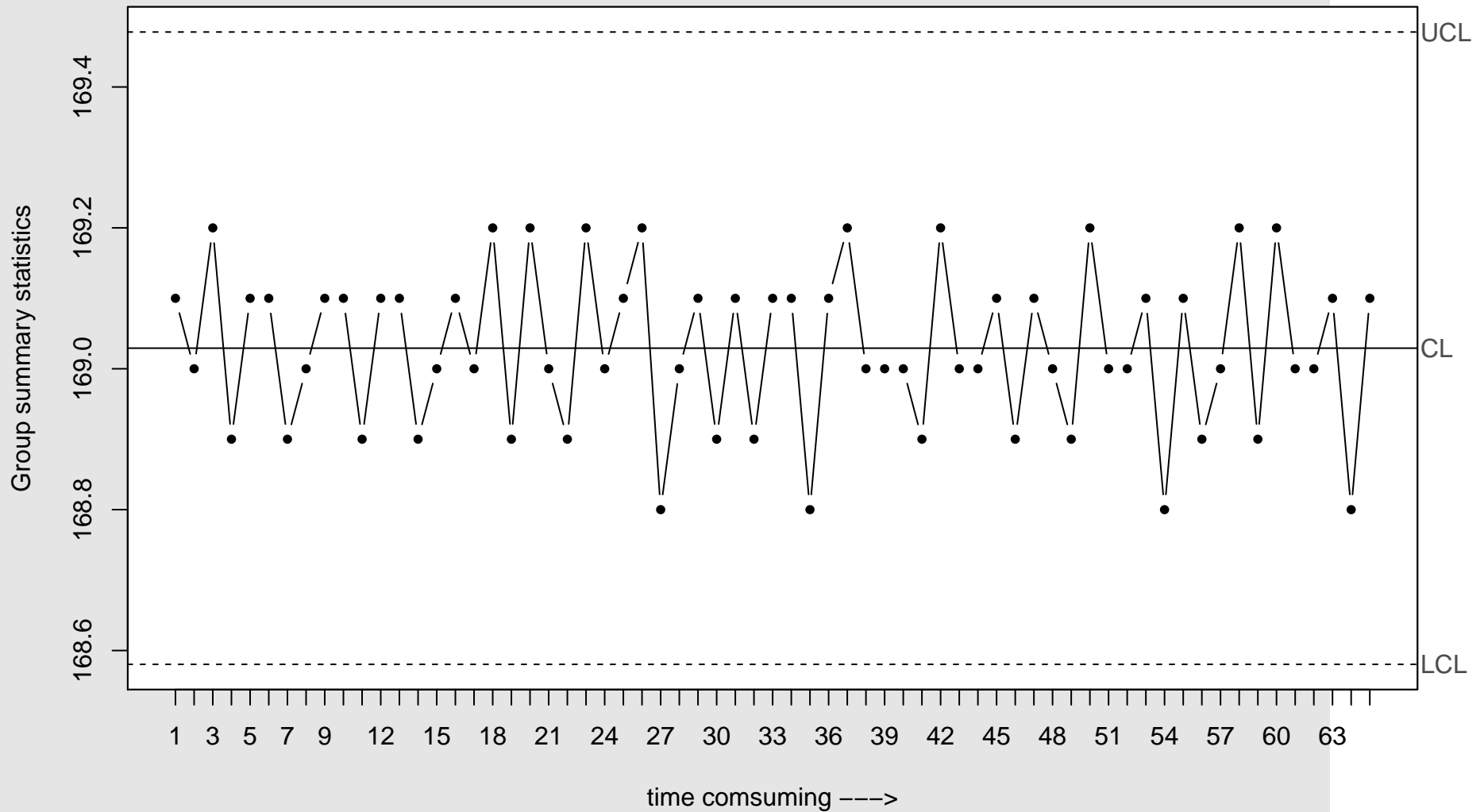
LCL = 168.5774

UCL = 169.475

Number beyond limits = 0

Number violating runs = 0

4th column point of this product



Number of groups = 65

Center = 169.0292

StdDev = 0.1496011

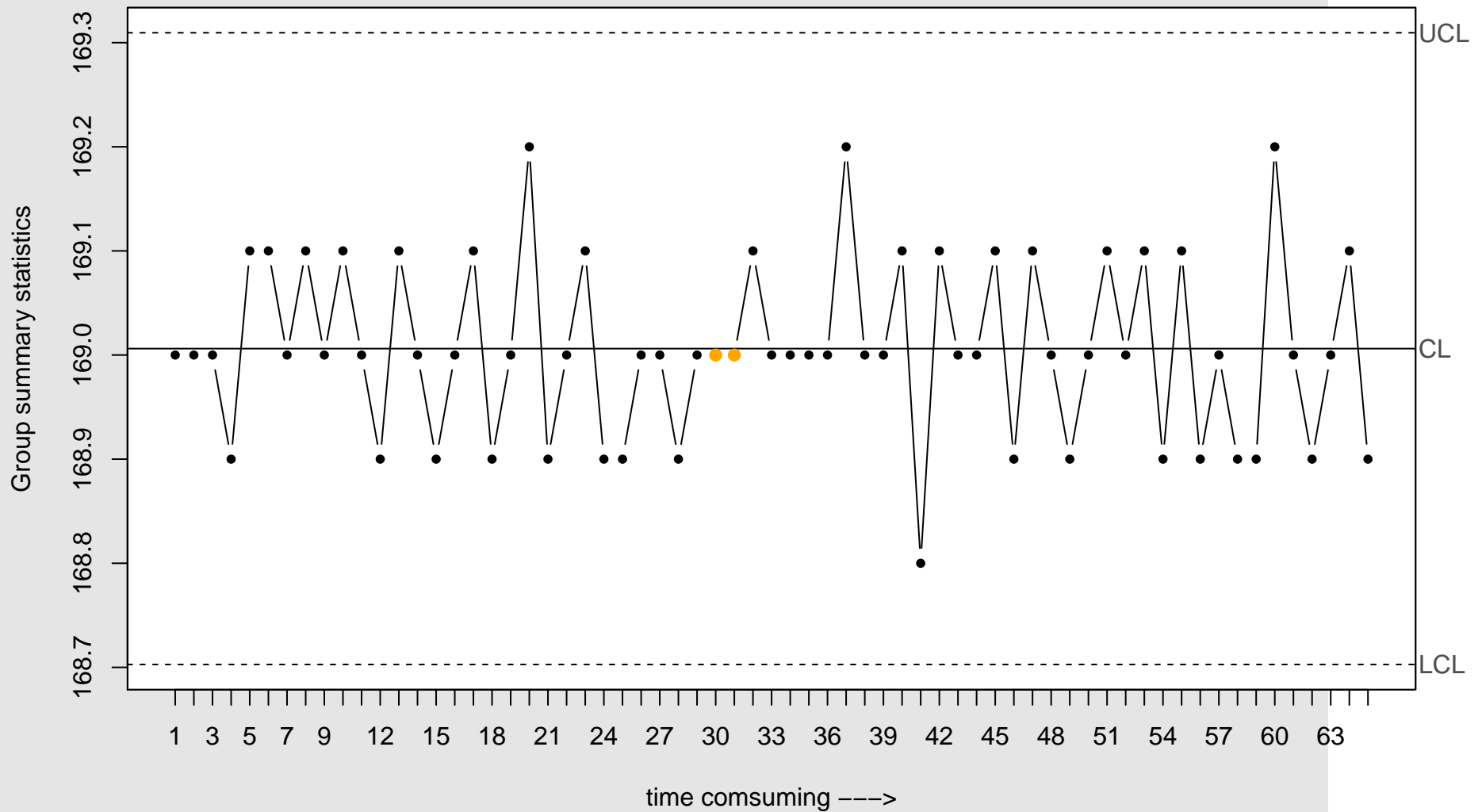
LCL = 168.5804

UCL = 169.478

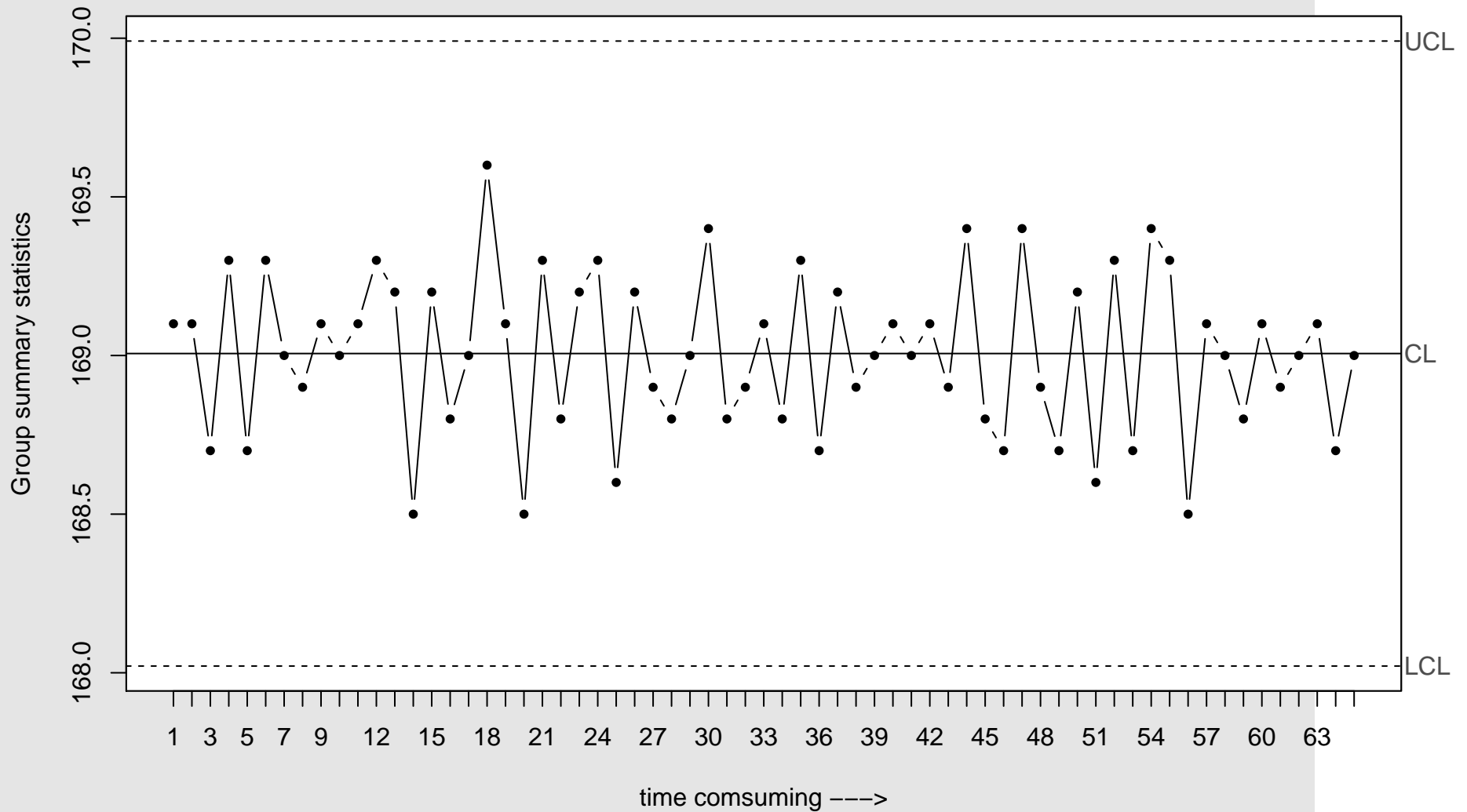
Number beyond limits = 0

Number violating runs = 0

5th column point of this product



6th column point of this product



Number of groups = 65

Center = 169.0062

StdDev = 0.3282912

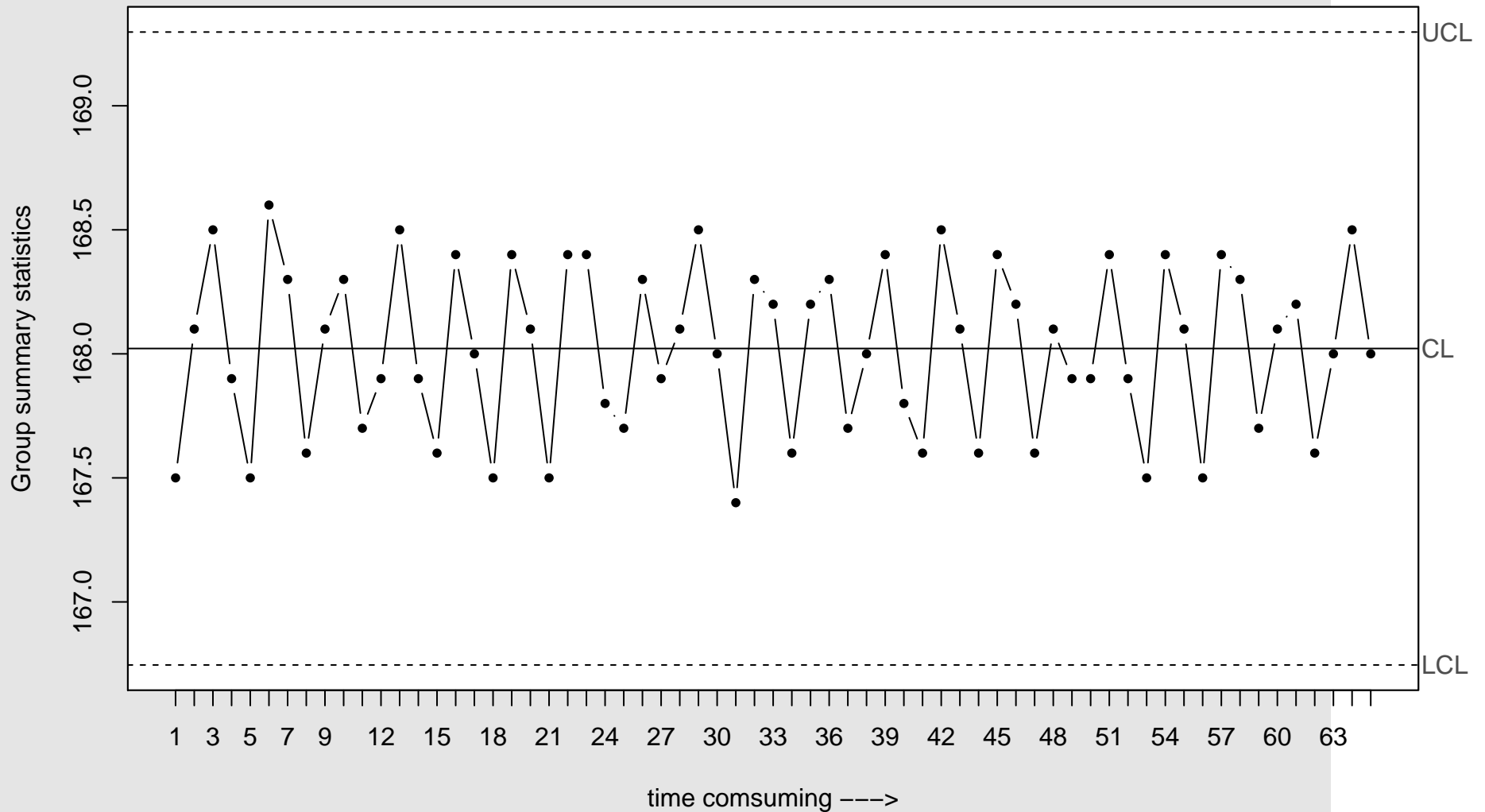
LCL = 168.0213

UCL = 169.991

Number beyond limits = 0

Number violating runs = 0

7th column point of this product



Number of groups = 65

Center = 168.0215

StdDev = 0.4252549

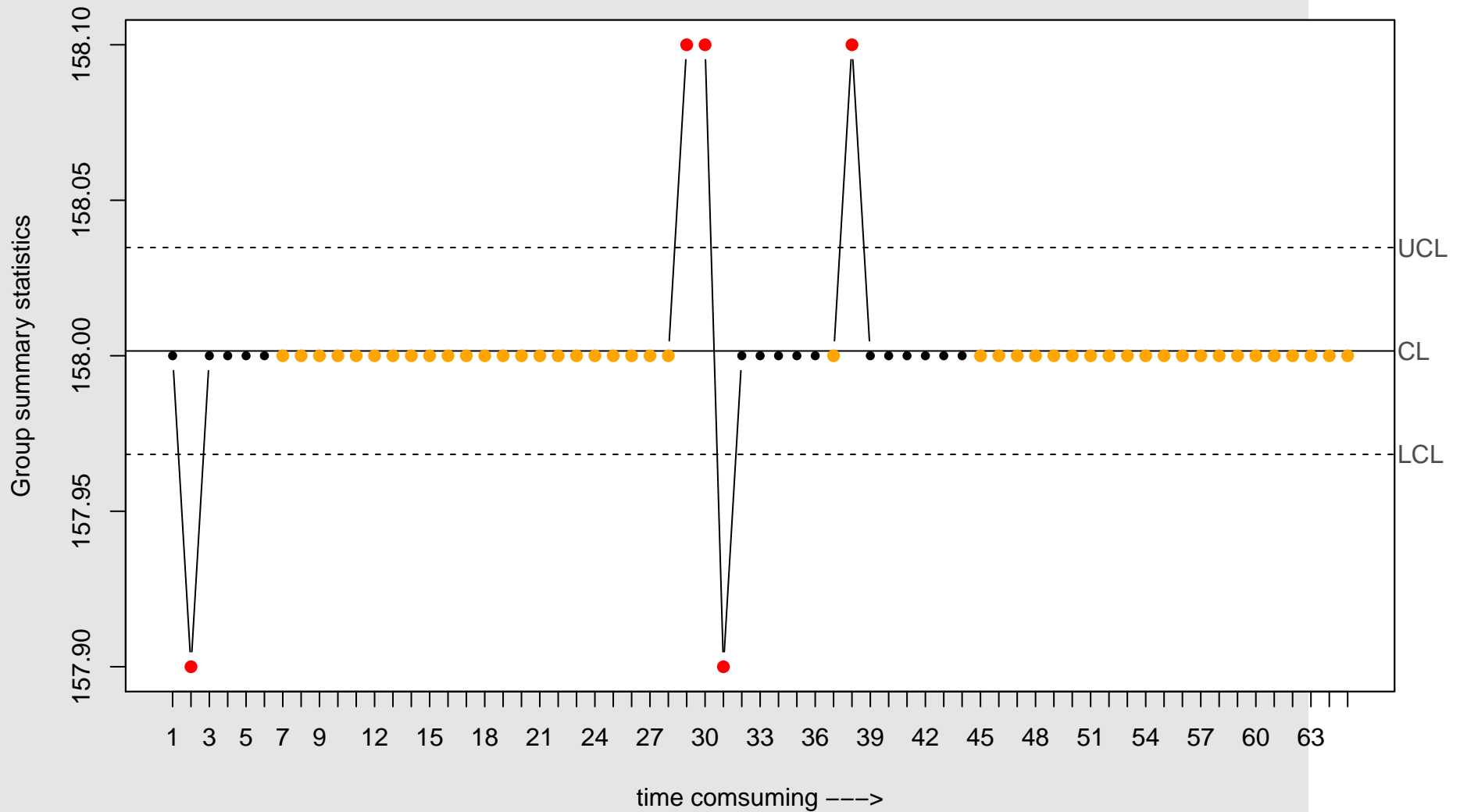
LCL = 166.7458

UCL = 169.2973

Number beyond limits = 0

Number violating runs = 0

8th column point of this product

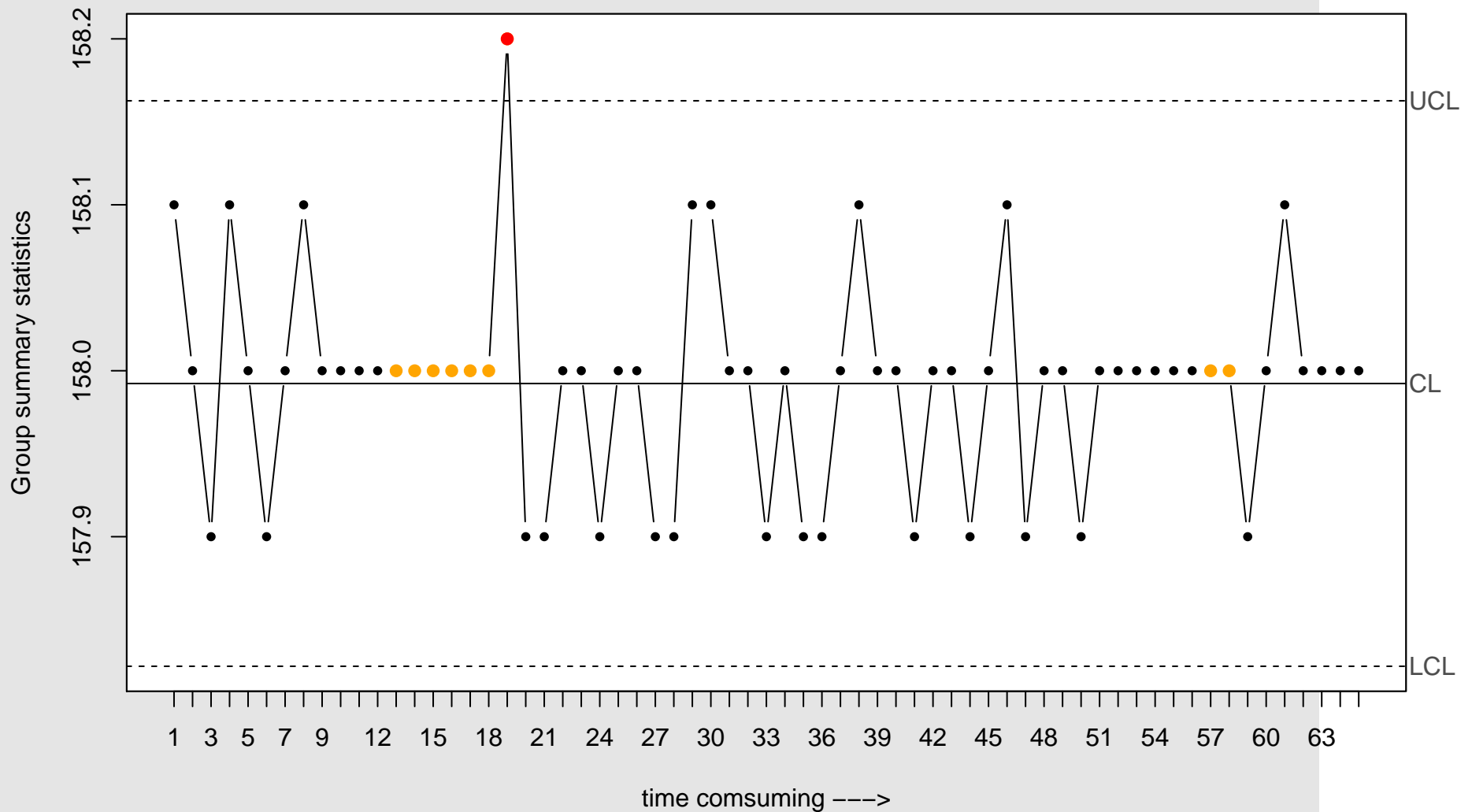


Number of groups = 65
Center = 158.0015
StdDev = 0.01108156

LCL = 157.9683
UCL = 158.0348

Number beyond limits = 5
Number violating runs = 44

9th column point of this product

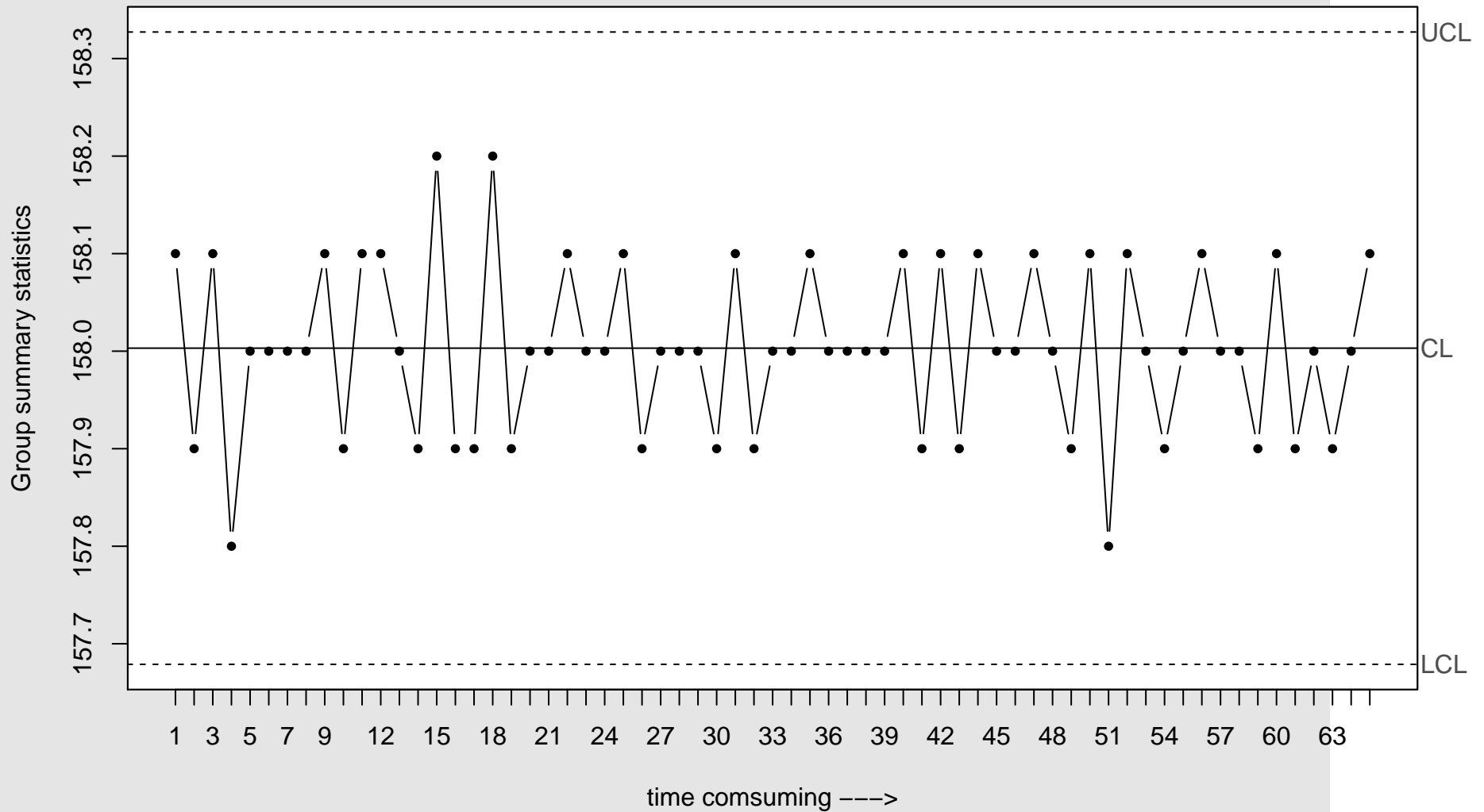


Number of groups = 65
Center = 157.9923
StdDev = 0.056793

LCL = 157.8219
UCL = 158.1627

Number beyond limits = 1
Number violating runs = 9

10th column point of this product



Number of groups = 65

Center = 158.0031

StdDev = 0.1080452

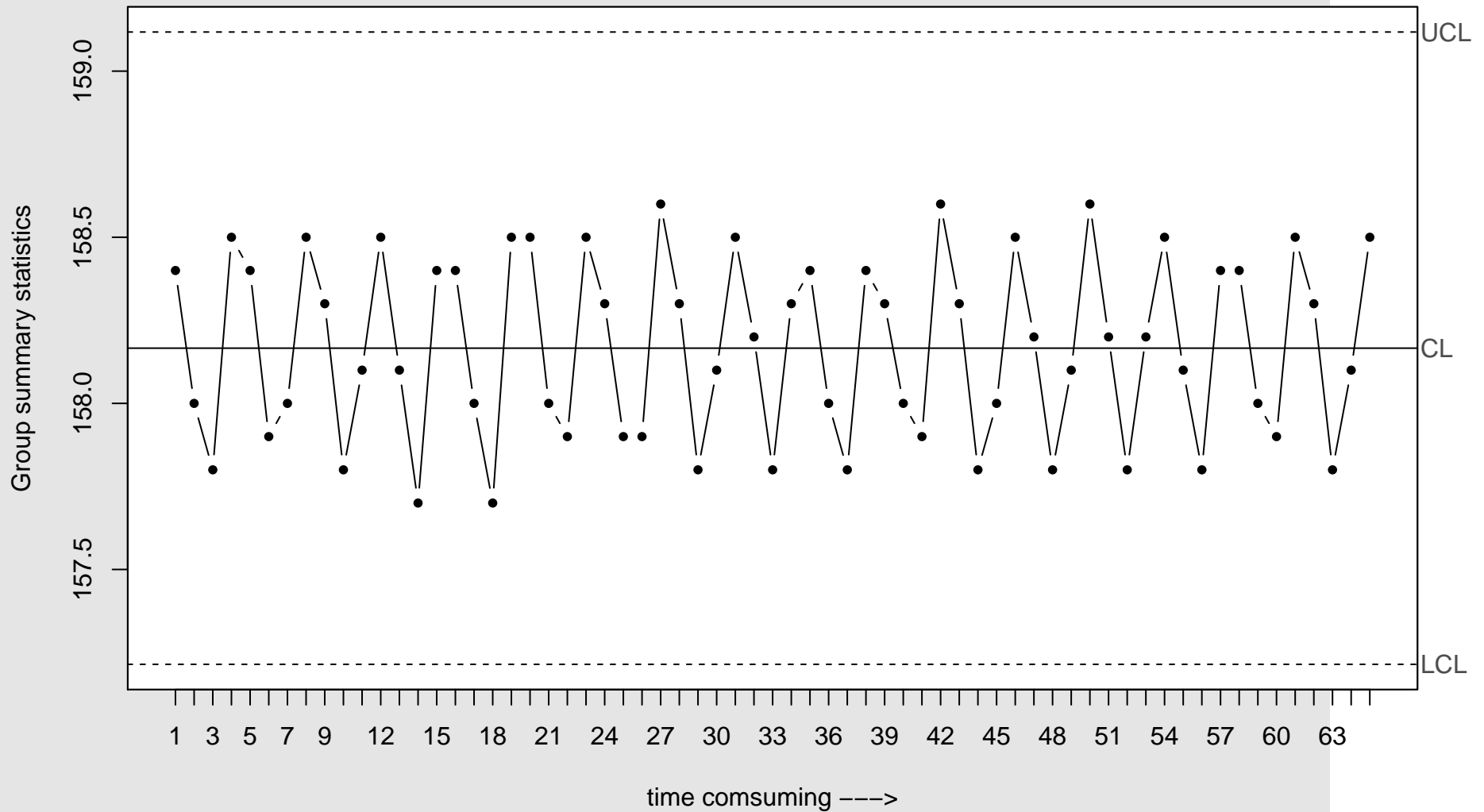
LCL = 157.6789

UCL = 158.3272

Number beyond limits = 0

Number violating runs = 0

11th column point of this product



Number of groups = 65

Center = 158.1662

StdDev = 0.3172097

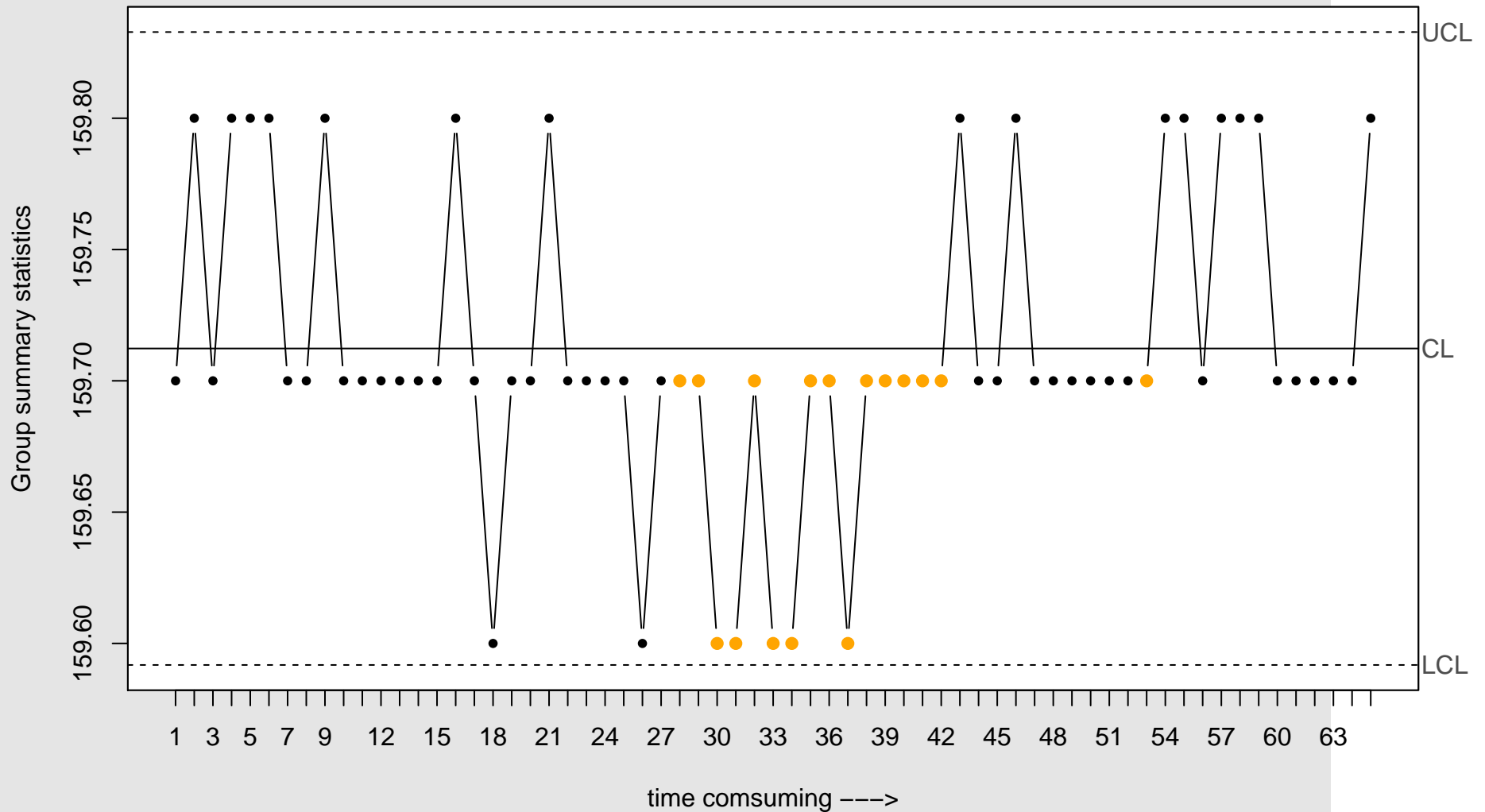
LCL = 157.2145

UCL = 159.1178

Number beyond limits = 0

Number violating runs = 0

12th column point of this product

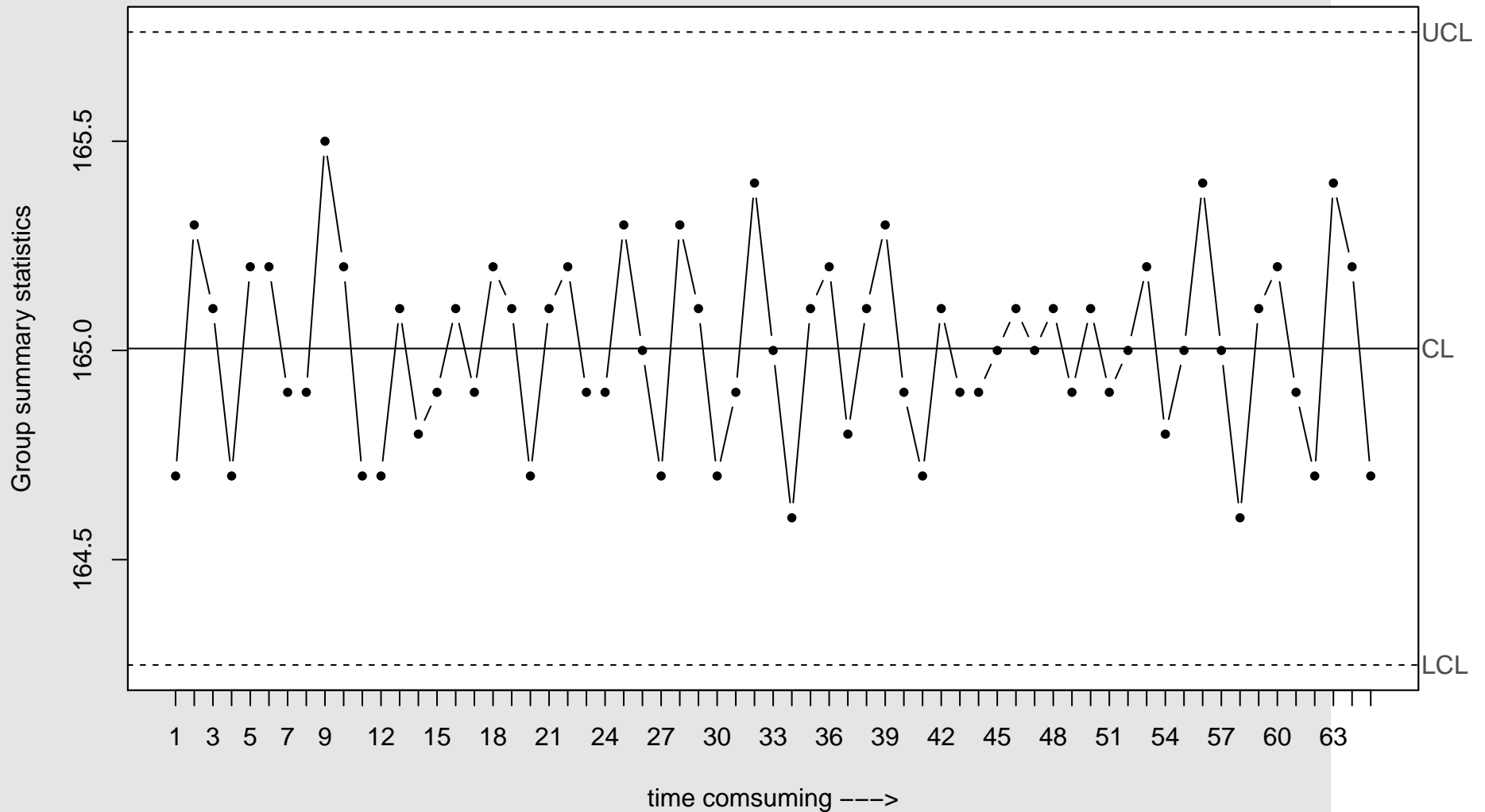


Number of groups = 65
Center = 159.7123
StdDev = 0.04017066

LCL = 159.5918
UCL = 159.8328

Number beyond limits = 0
Number violating runs = 16

13th column point of this product



Number of groups = 65

Center = 165.0046

StdDev = 0.2521055

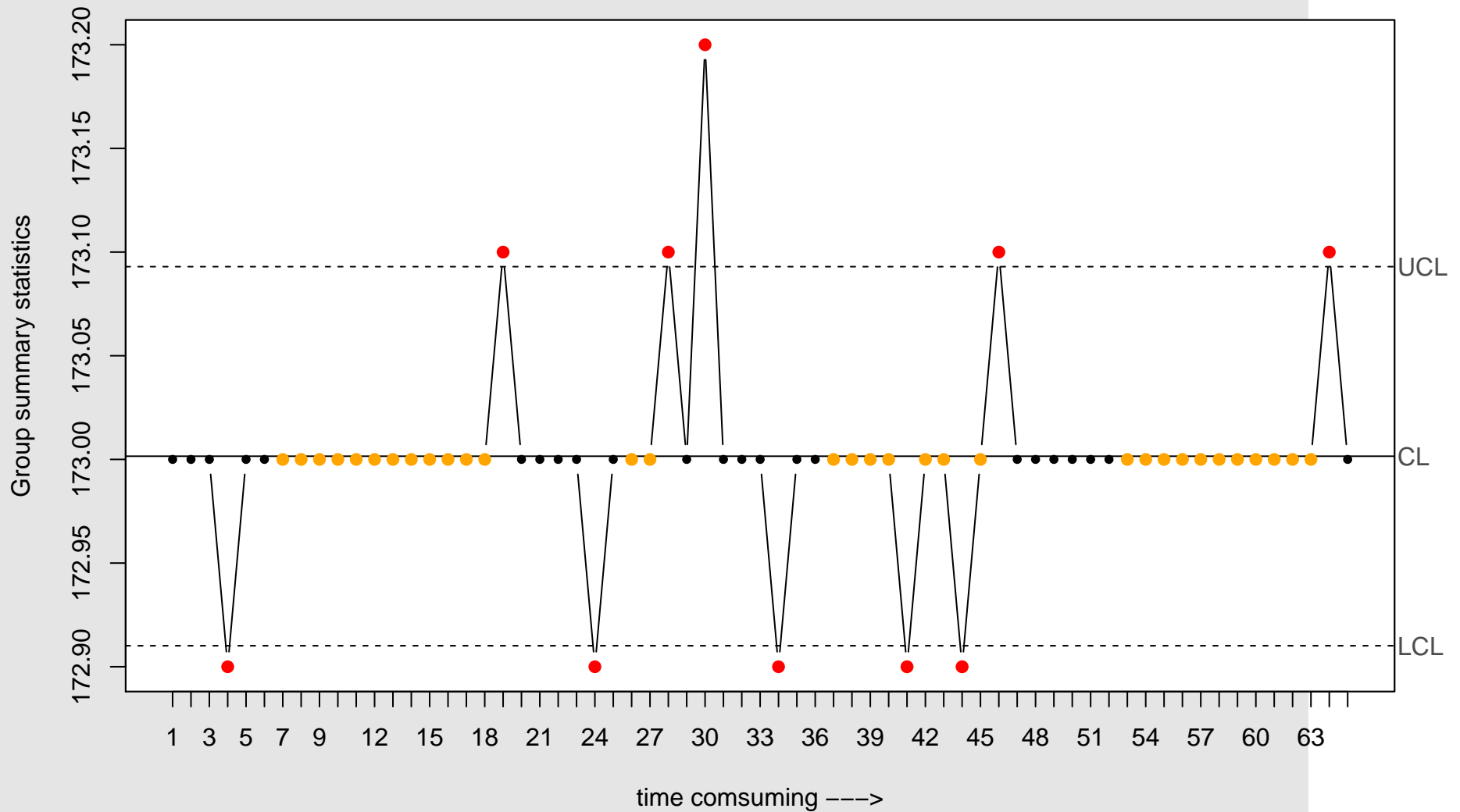
LCL = 164.2483

UCL = 165.7609

Number beyond limits = 0

Number violating runs = 0

14th column point of this product

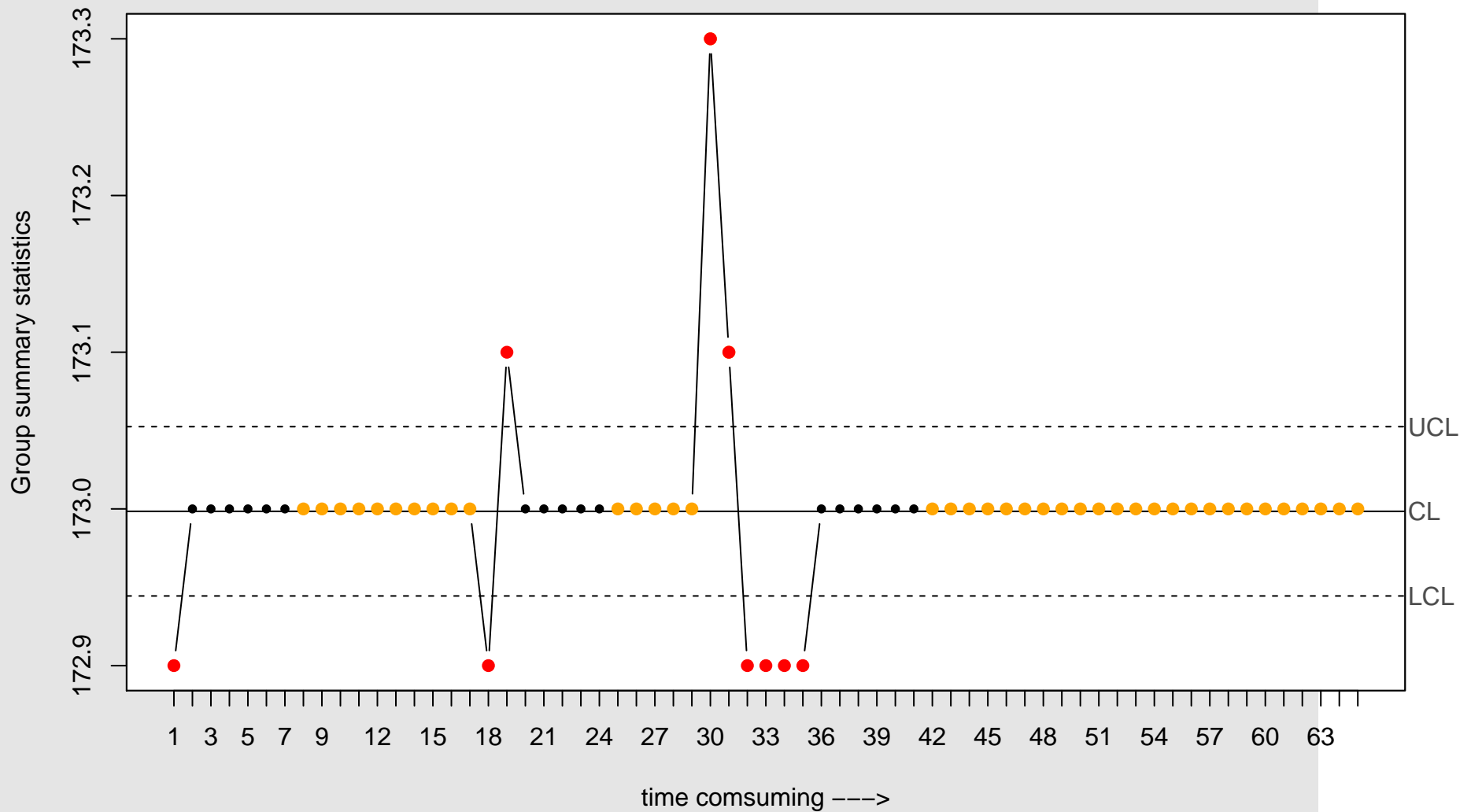


Number of groups = 65
Center = 173.0015
StdDev = 0.03047429

LCL = 172.9101
UCL = 173.093

Number beyond limits = 10
Number violating runs = 34

15th column point of this product

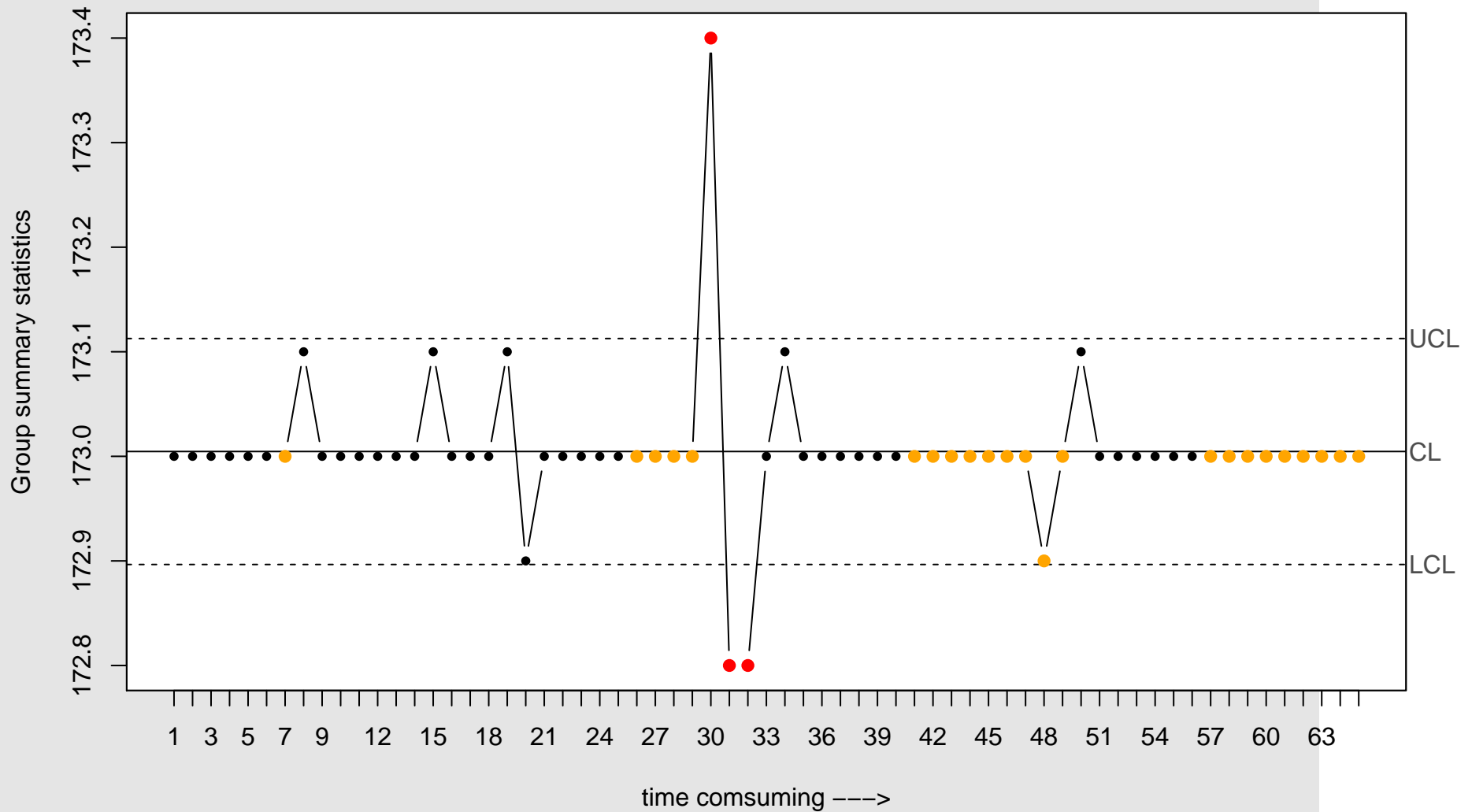


Number of groups = 65
Center = 172.9985
StdDev = 0.01800754

LCL = 172.9444
UCL = 173.0525

Number beyond limits = 9
Number violating runs = 41

16th column point of this product

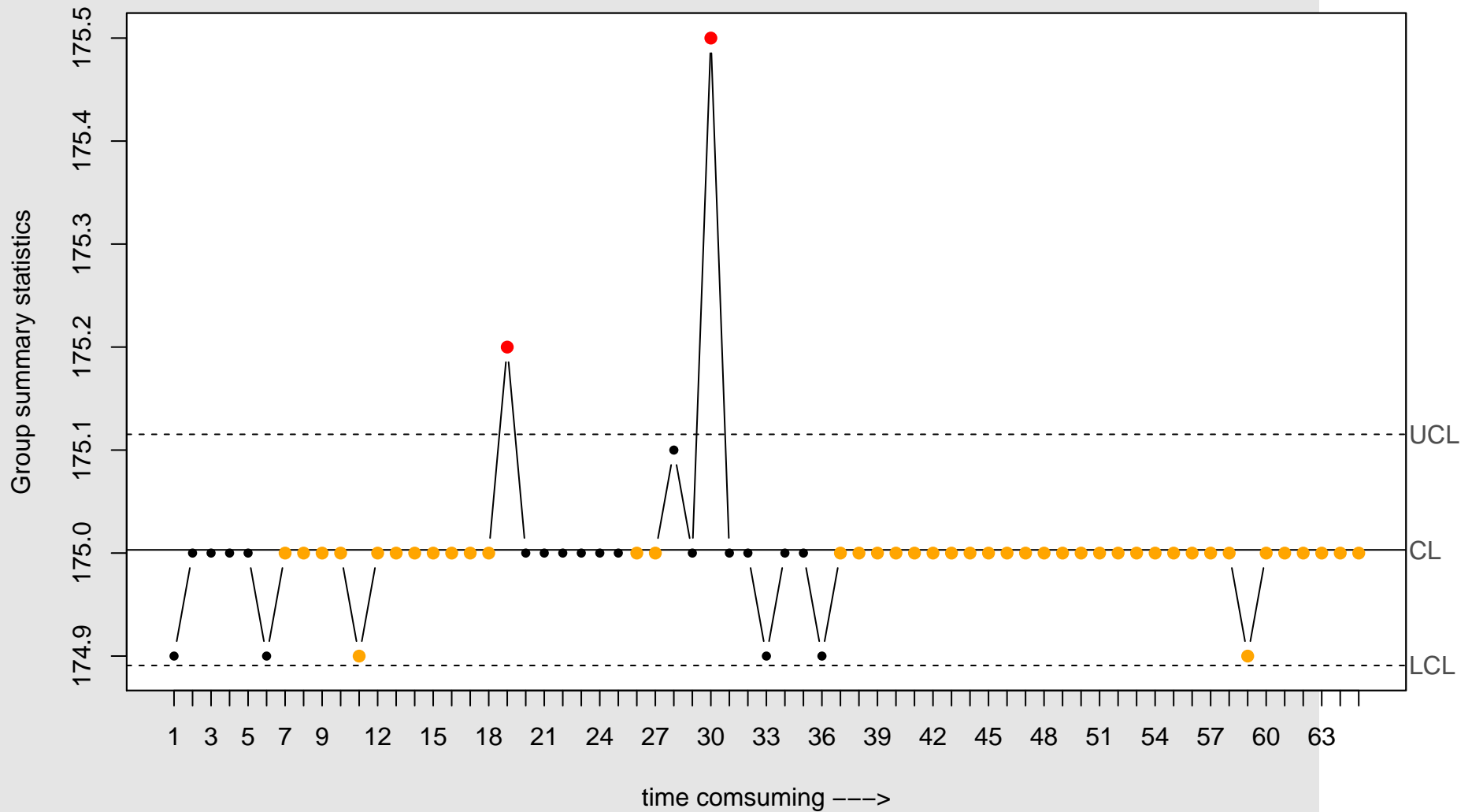


Number of groups = 65
Center = 173.0046
StdDev = 0.03601507

LCL = 172.8966
UCL = 173.1127

Number beyond limits = 3
Number violating runs = 23

17th column point of this product

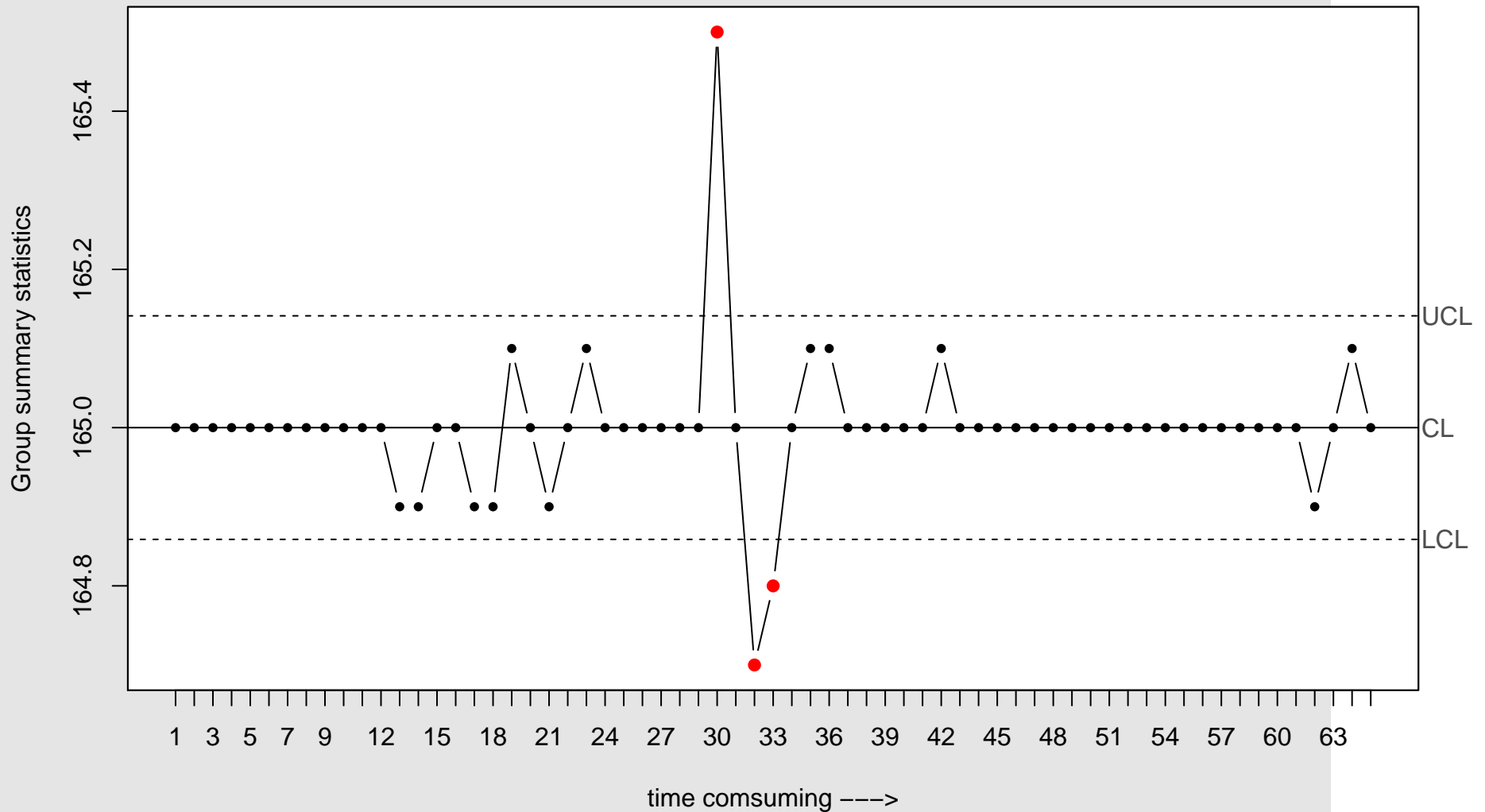


Number of groups = 65
Center = 175.0031
StdDev = 0.03740027

LCL = 174.8909
UCL = 175.1153

Number beyond limits = 2
Number violating runs = 43

18th column point of this product



Number of groups = 65

Center = 165

StdDev = 0.04709663

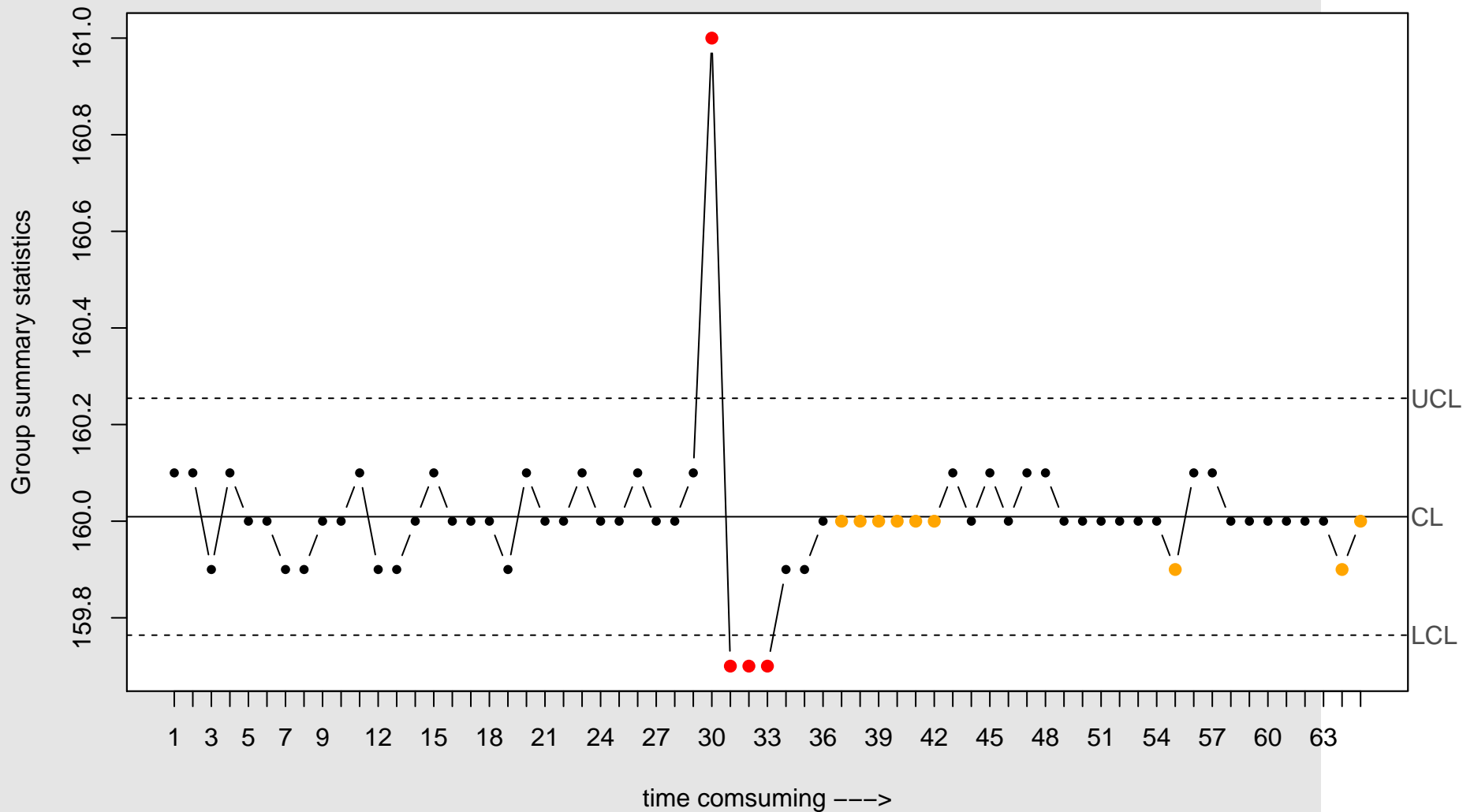
LCL = 164.8587

UCL = 165.1413

Number beyond limits = 3

Number violating runs = 0

19th column point of this product

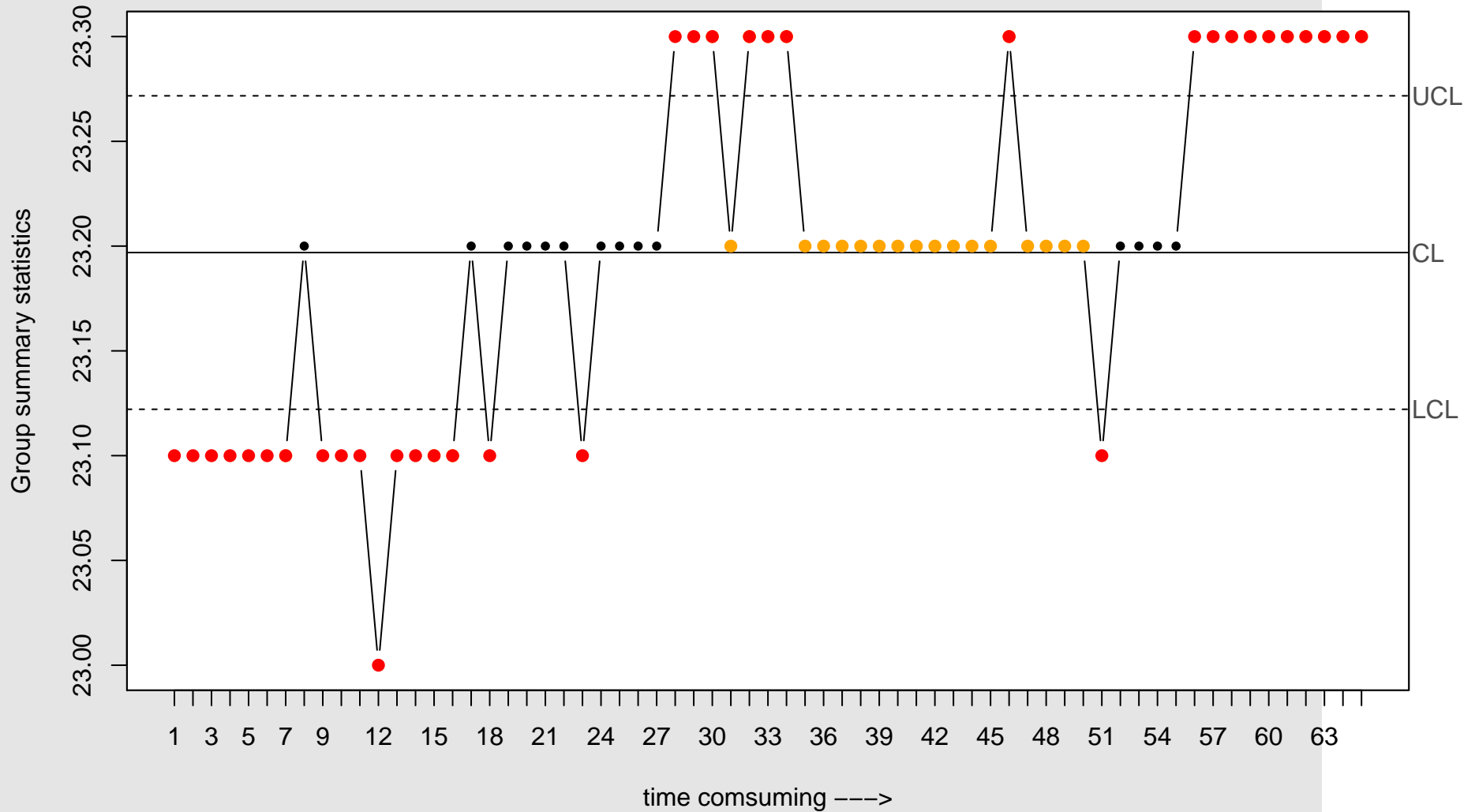


Number of groups = 65
Center = 160.0092
StdDev = 0.08172651

LCL = 159.7641
UCL = 160.2544

Number beyond limits = 4
Number violating runs = 9

20th column point of this product

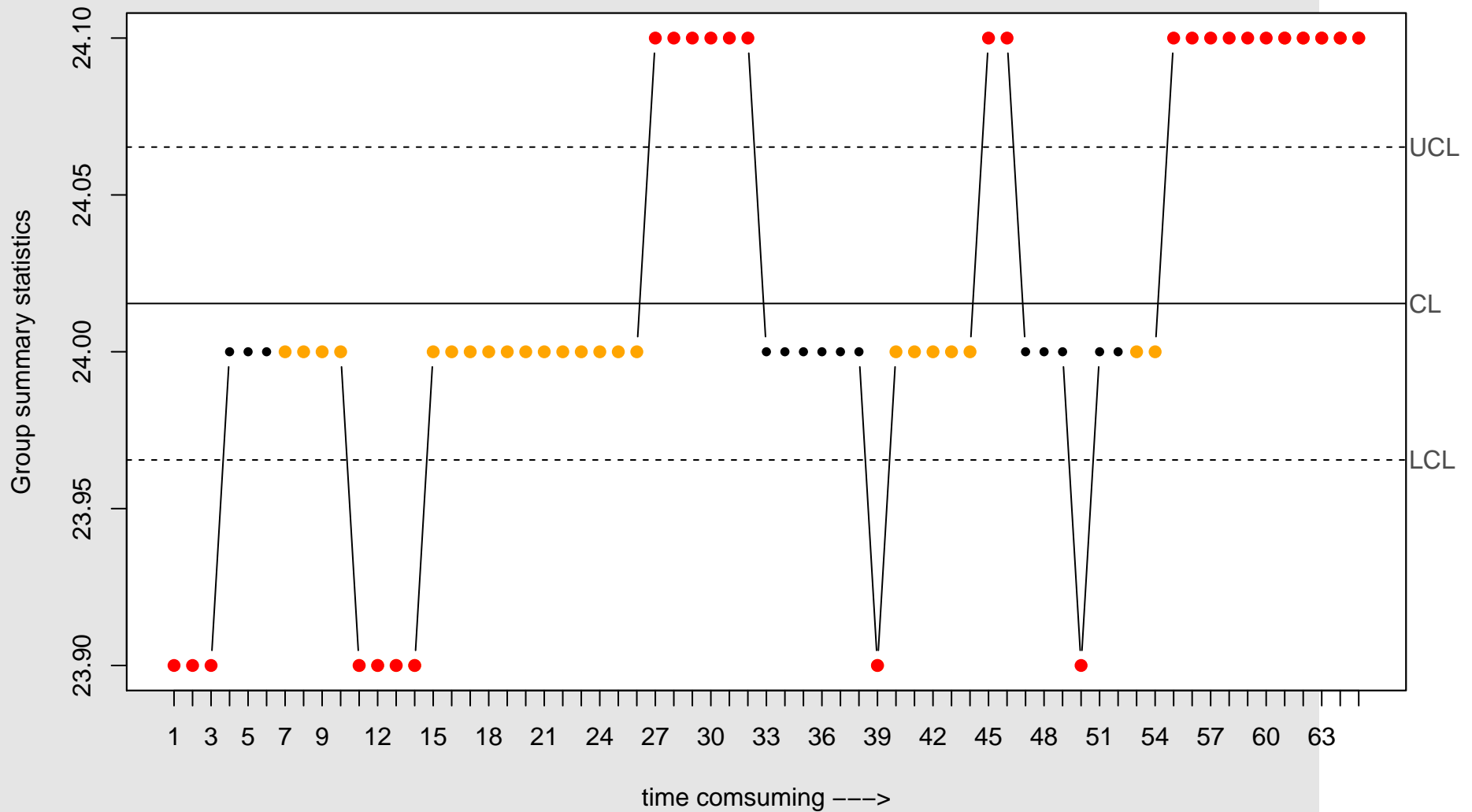


Number of groups = 65
 Center = 23.19692
 StdDev = 0.02493351

LCL = 23.12212
 UCL = 23.27172

Number beyond limits = 35
 Number violating runs = 32

21th column point of this product

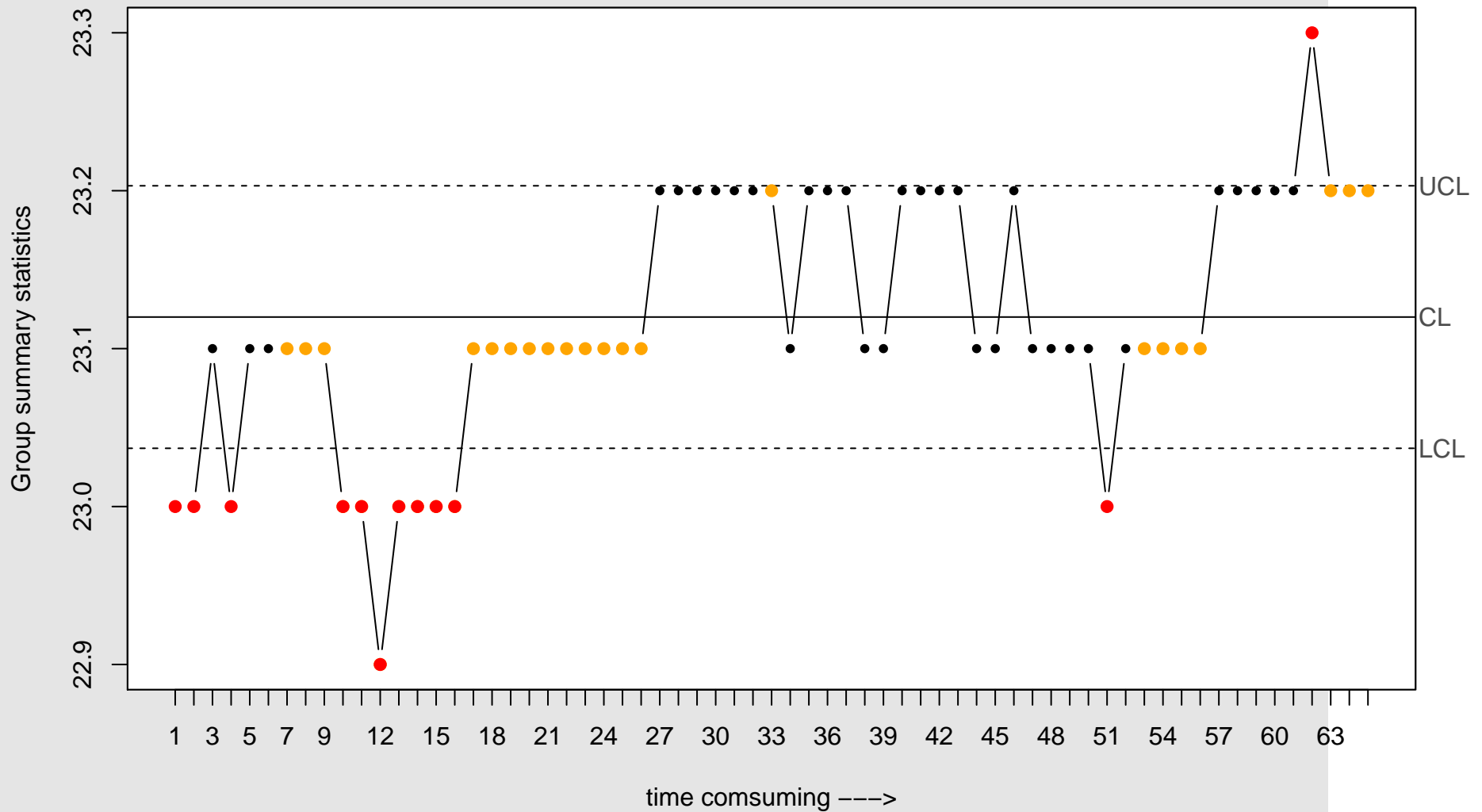


Number of groups = 65
 Center = 24.01538
 StdDev = 0.01662234

LCL = 23.96552
 UCL = 24.06525

Number beyond limits = 28
 Number violating runs = 33

22th column point of this product



Number of groups = 65
Center = 23.12
StdDev = 0.0277039

LCL = 23.03689
UCL = 23.20311

Number beyond limits = 12
Number violating runs = 28