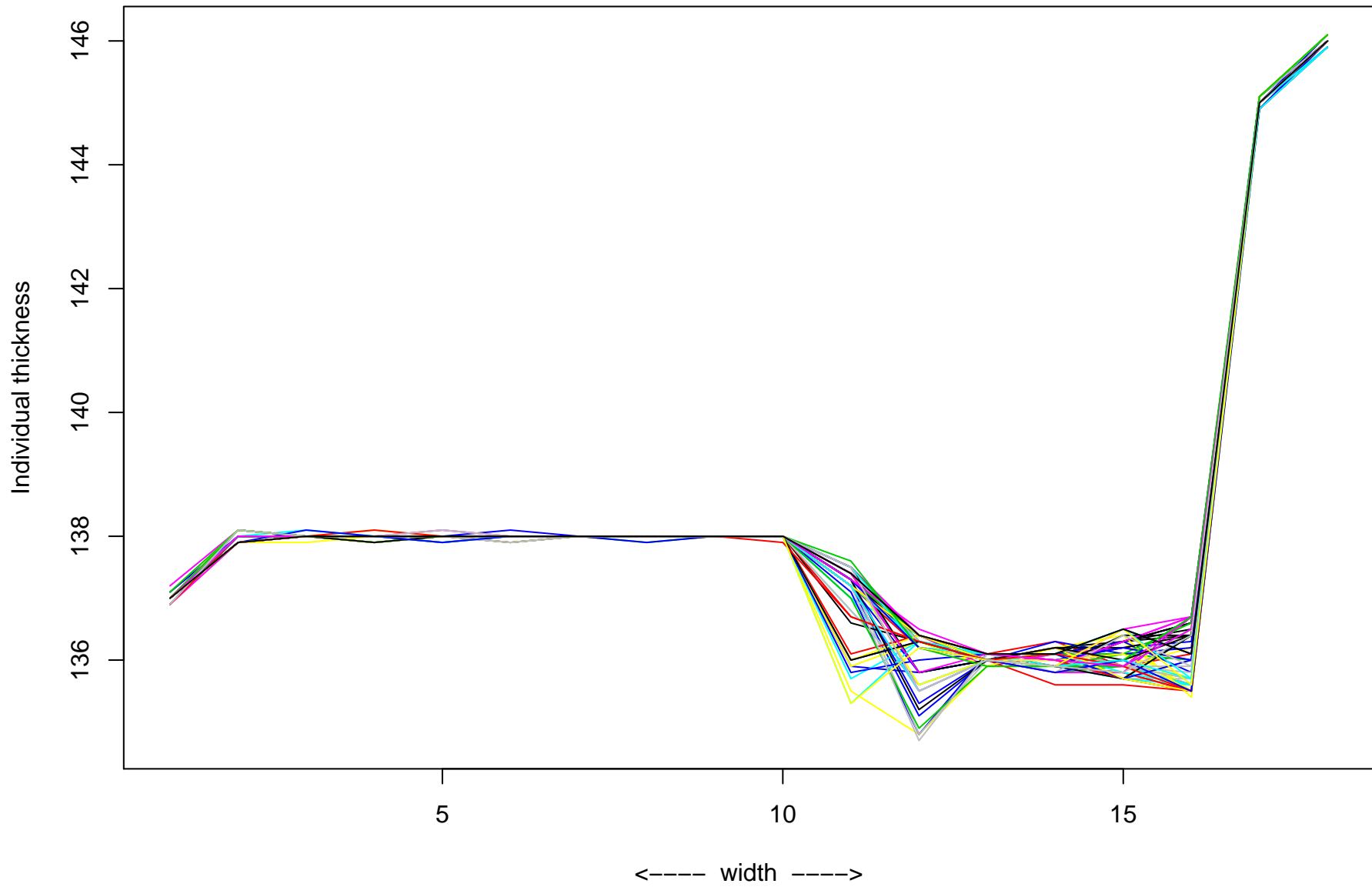
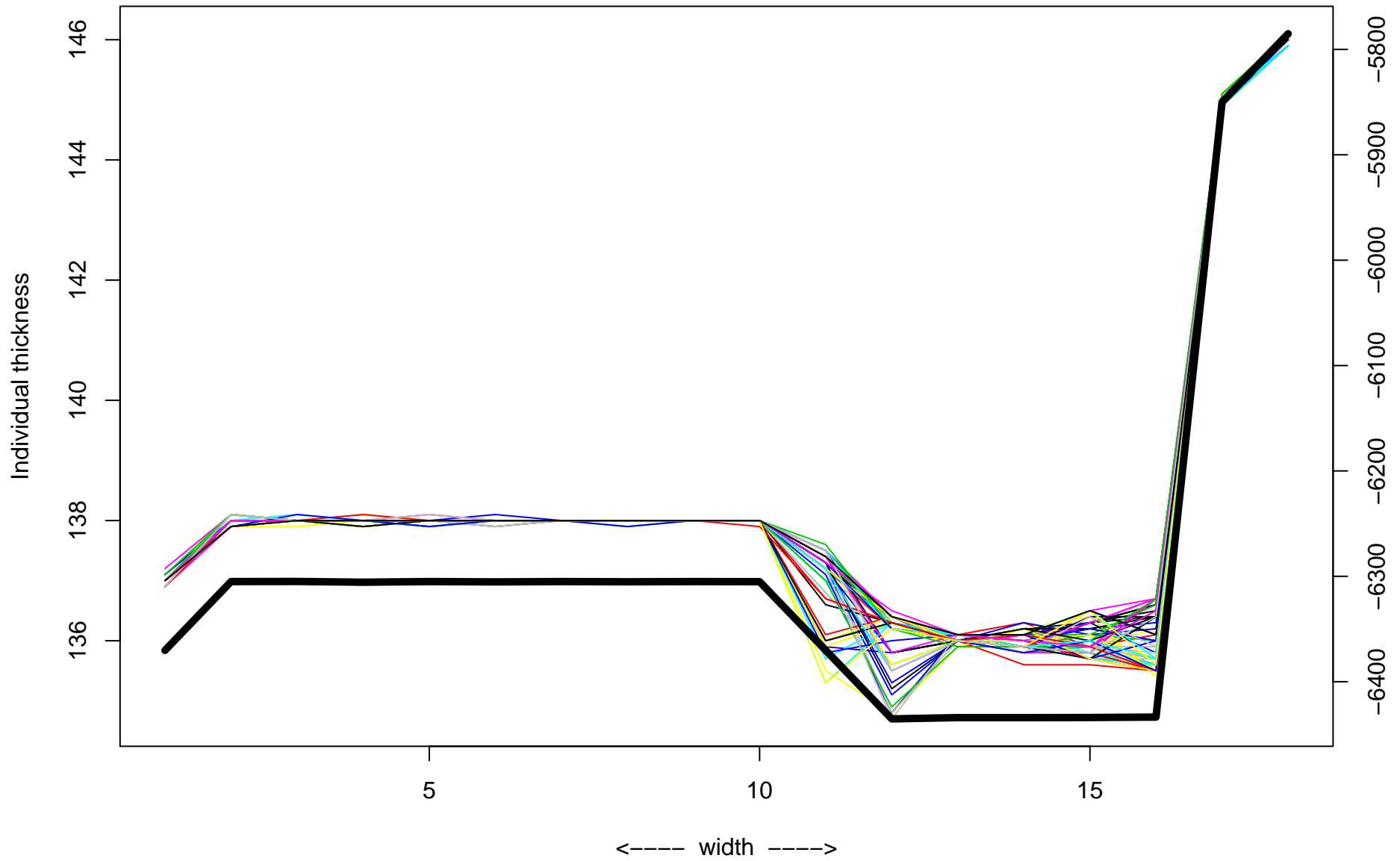


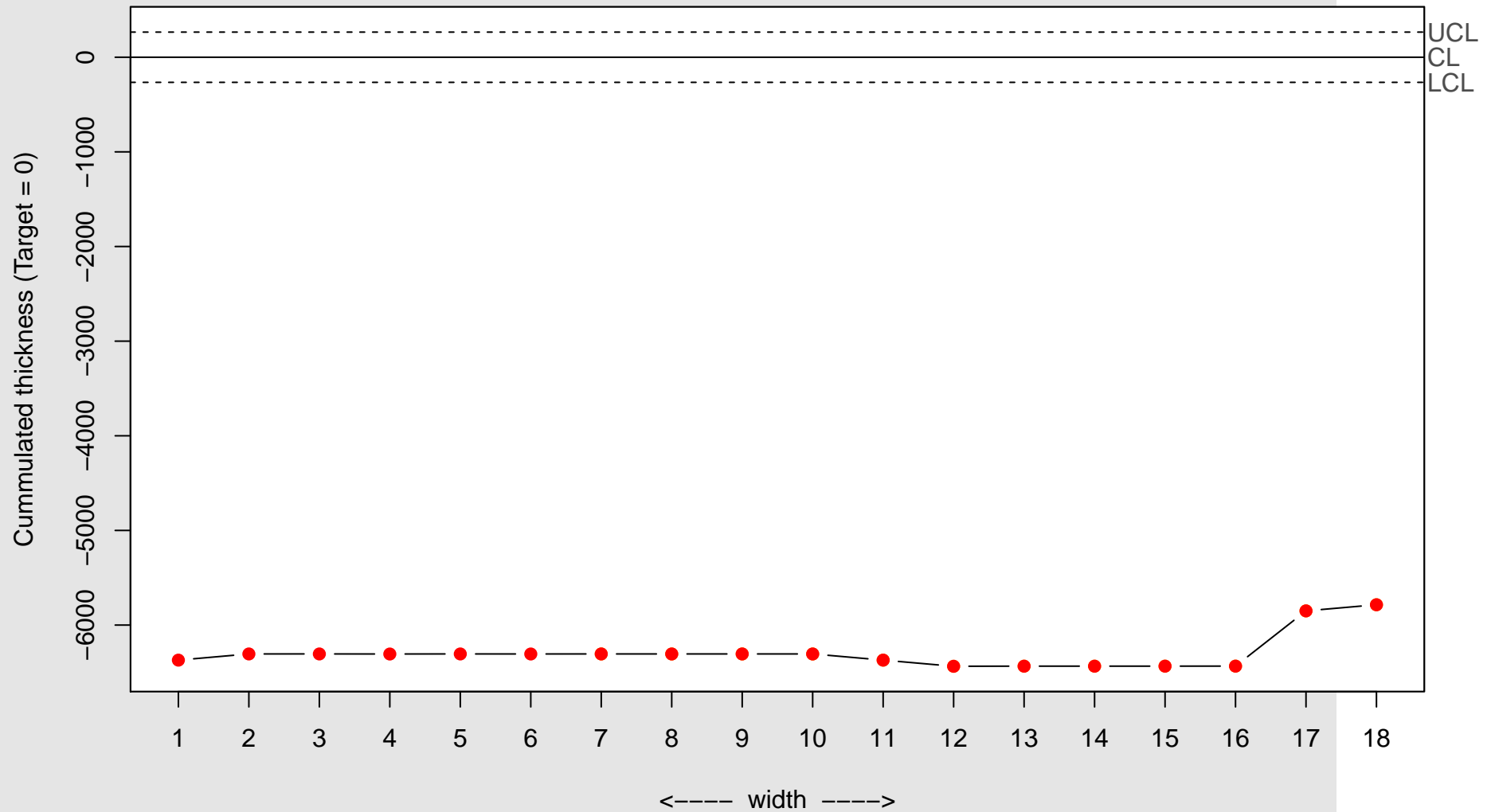
Individual thickness only



Simulated thickness



Simulated thickness



Number of groups = 18

Center = 0

StdDev = 44.23237

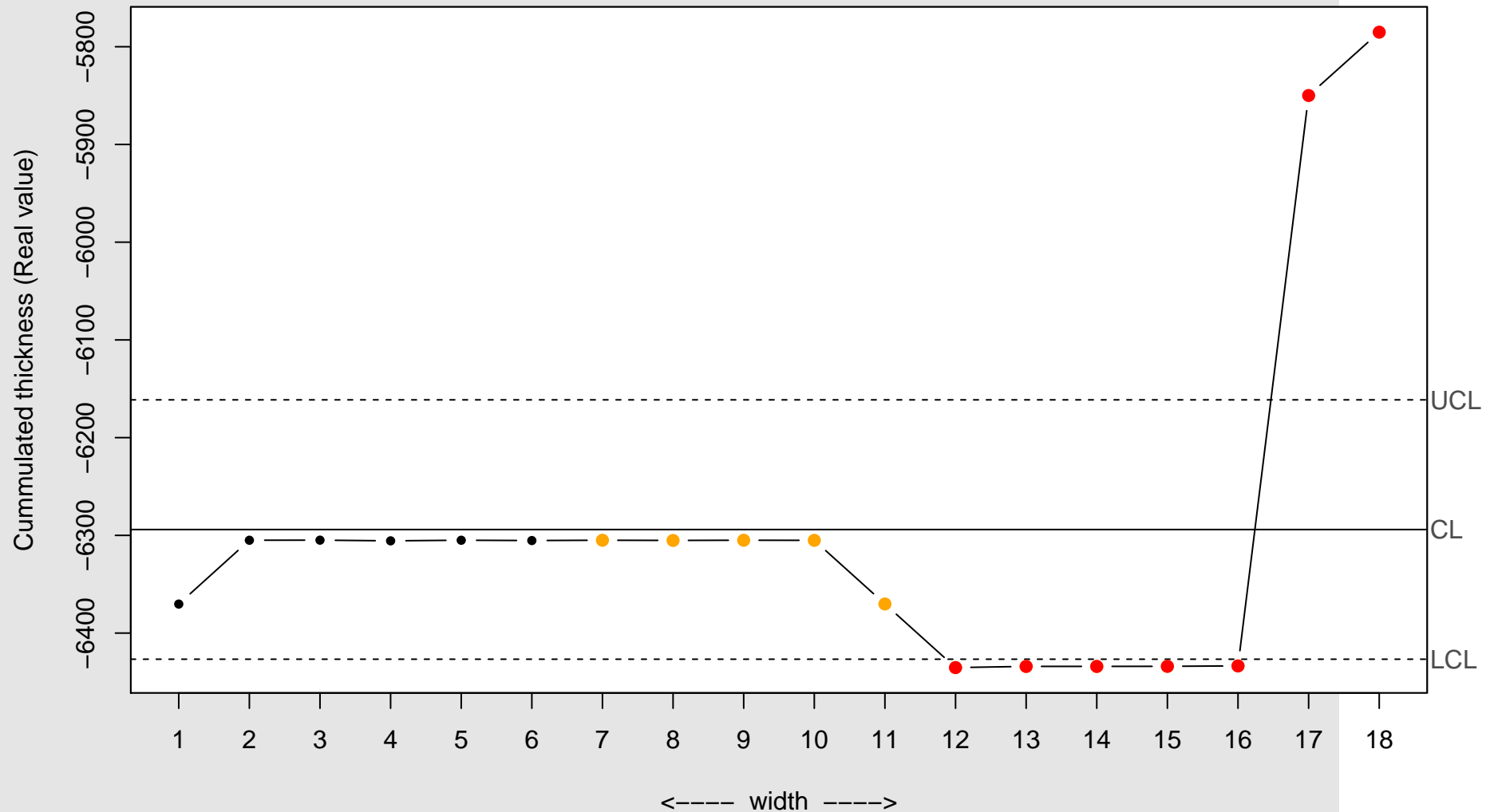
LCL = -265.3942

UCL = 265.3942

Number beyond limits = 18

Number violating runs = 12

Simulated thickness: Cpk is -11.43 and z is -35.78.

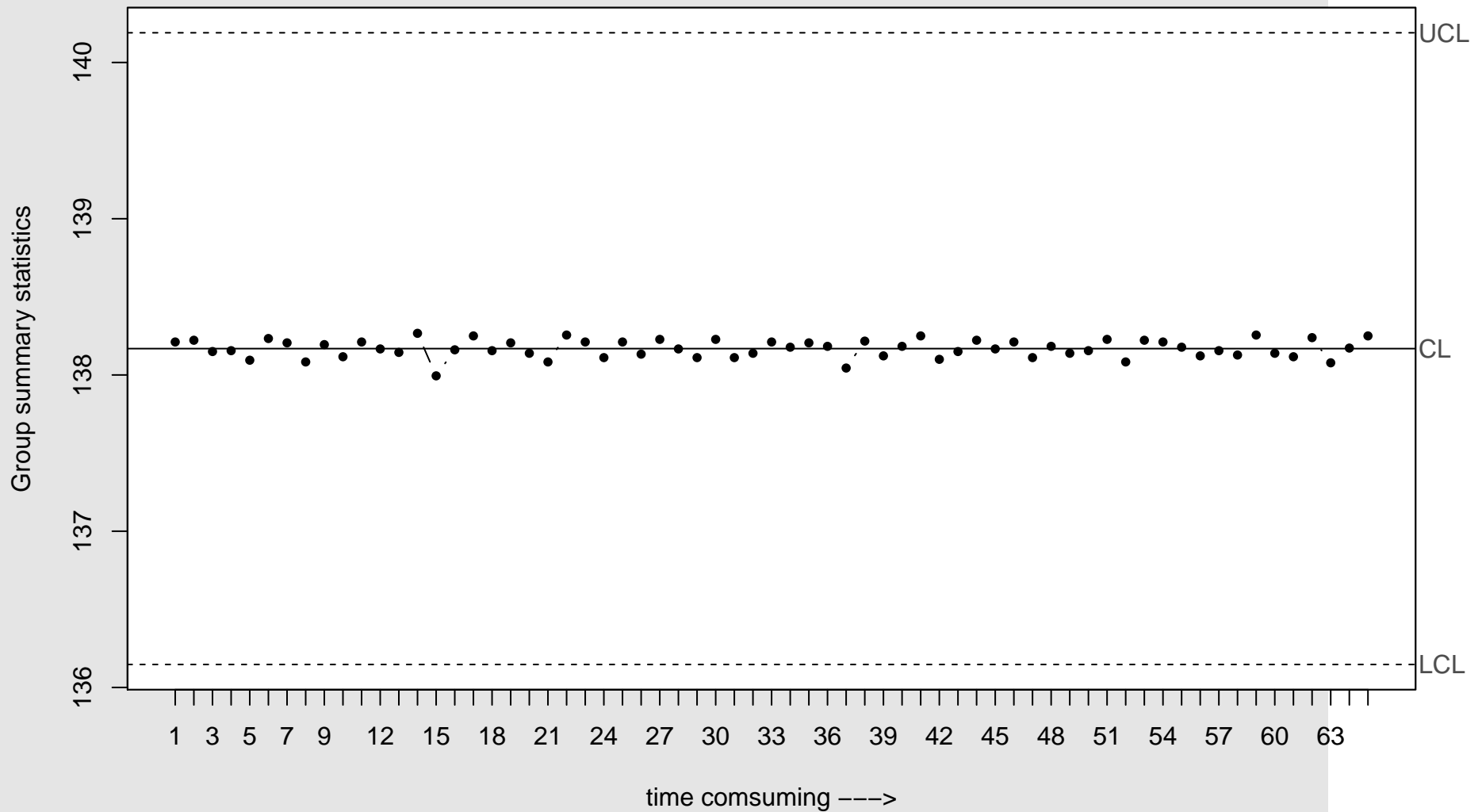


Number of groups = 18
Center = -6294.039
StdDev = 44.23237

LCL = -6426.736
UCL = -6161.342

Number beyond limits = 7
Number violating runs = 10

X-bar chart for a given dataset



Number of groups = 65

Center = 138.1686

StdDev = 2.858833

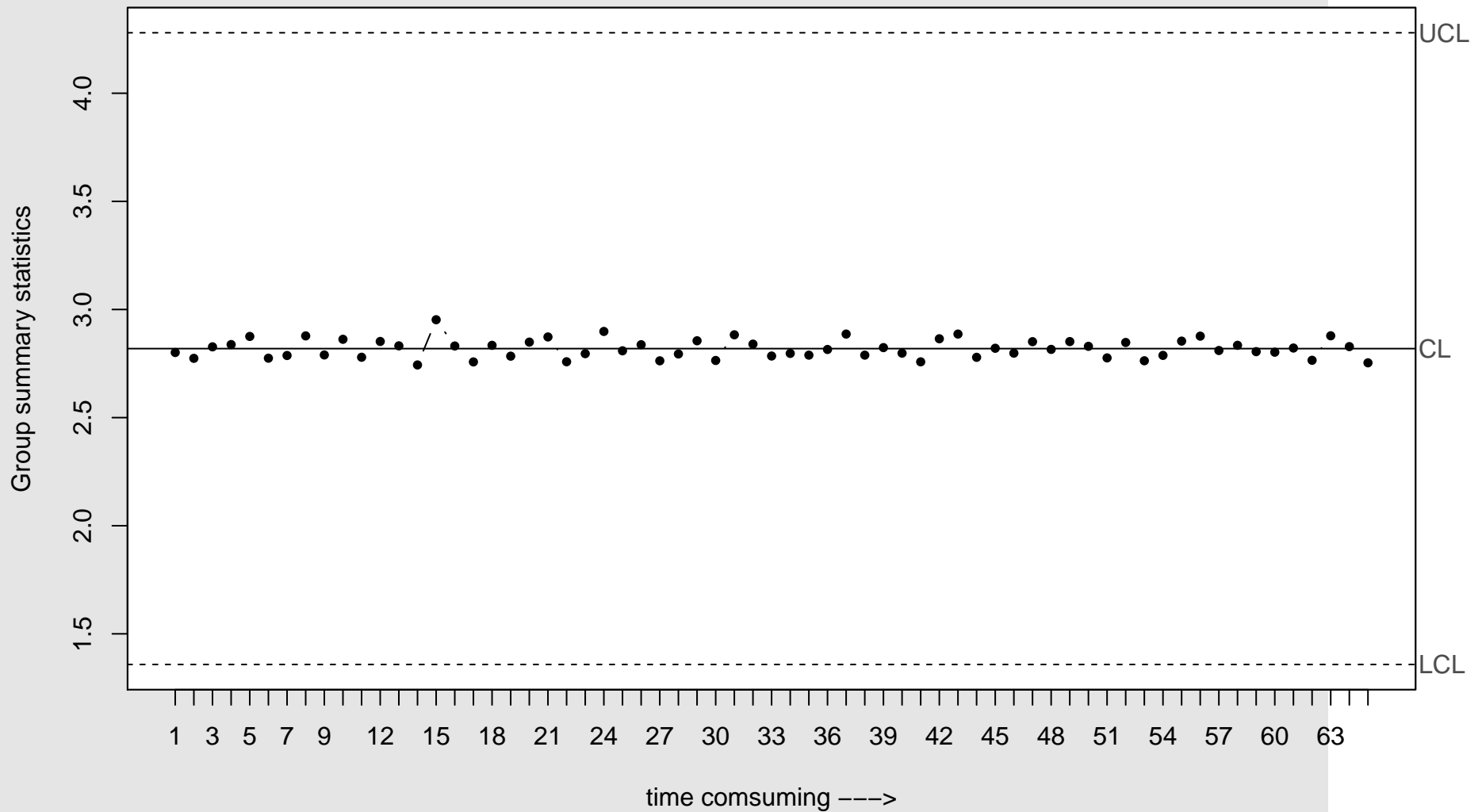
LCL = 136.1471

UCL = 140.1901

Number beyond limits = 0

Number violating runs = 0

S chart for a given dataset



Number of groups = 65

Center = 2.819027

StdDev = 2.860765

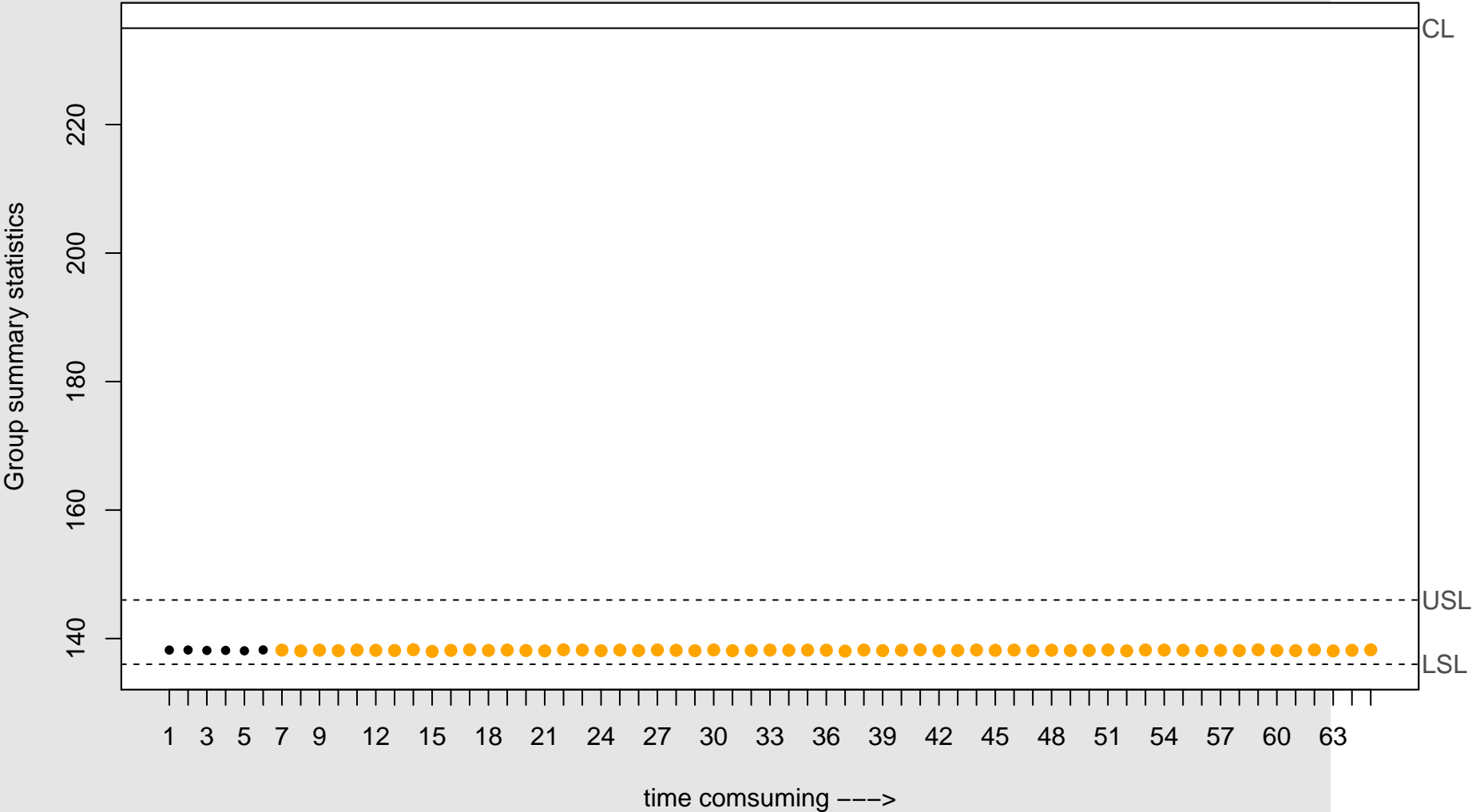
LCL = 1.358345

UCL = 4.279709

Number beyond limits = 0

Number violating runs = 0

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

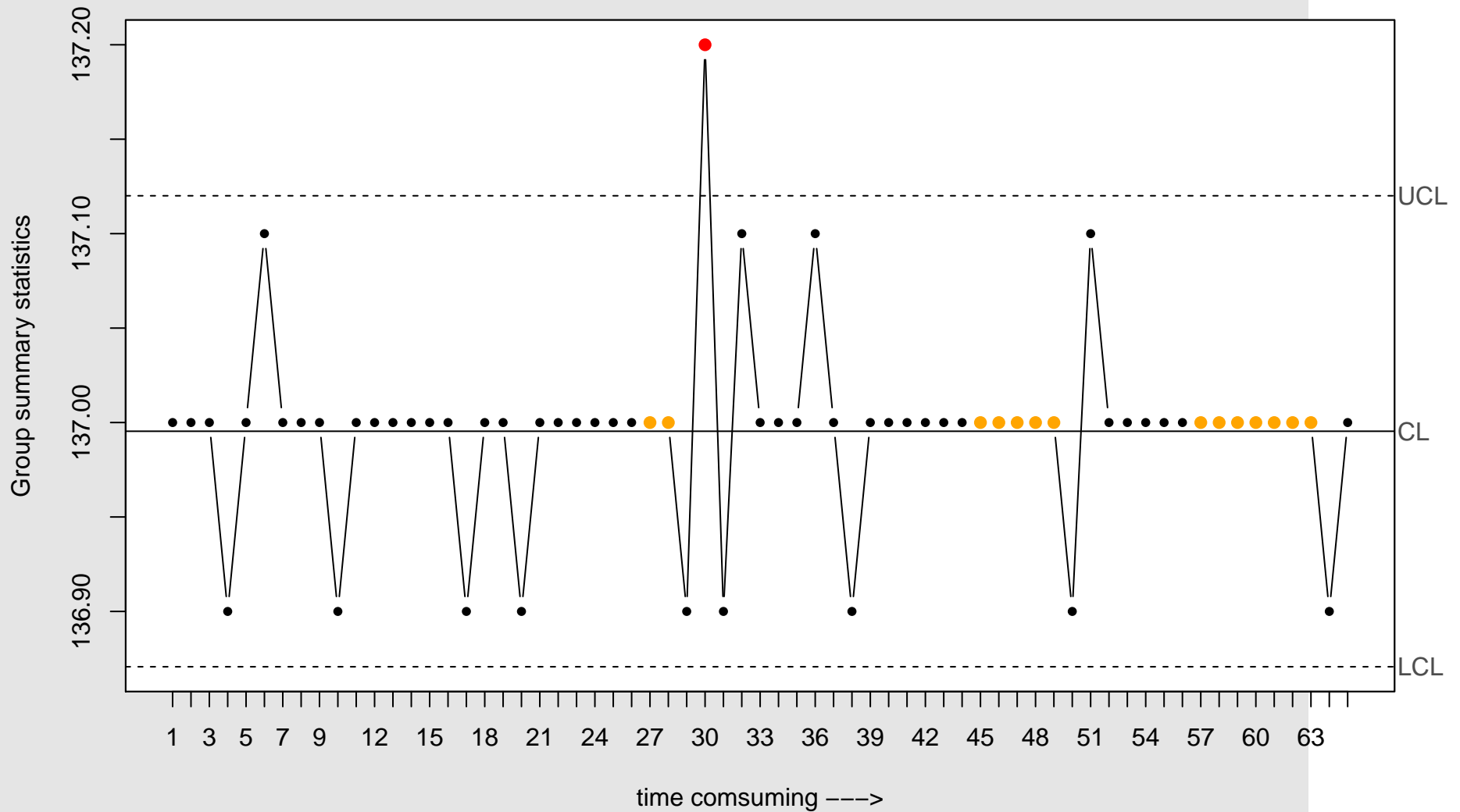


Number of groups = 65
Center = 235
StdDev = 2.858833

LCL = 136
UCL = 146

Number beyond limits = 0
Number violating runs = 59

1th column point of this product

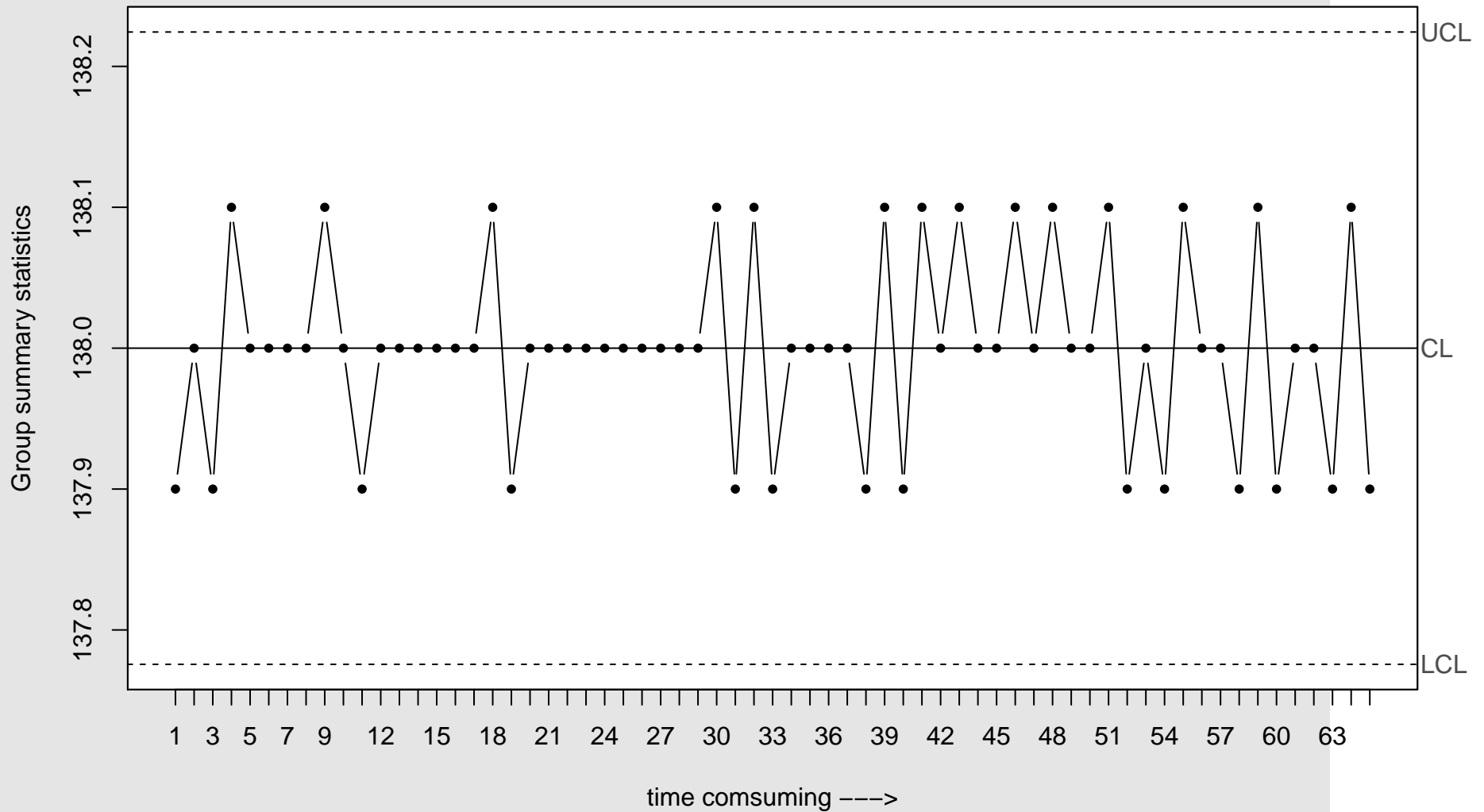


Number of groups = 65
Center = 136.9954
StdDev = 0.04155585

LCL = 136.8707
UCL = 137.1201

Number beyond limits = 1
Number violating runs = 14

2th column point of this product



Number of groups = 65

Center = 138

StdDev = 0.07480053

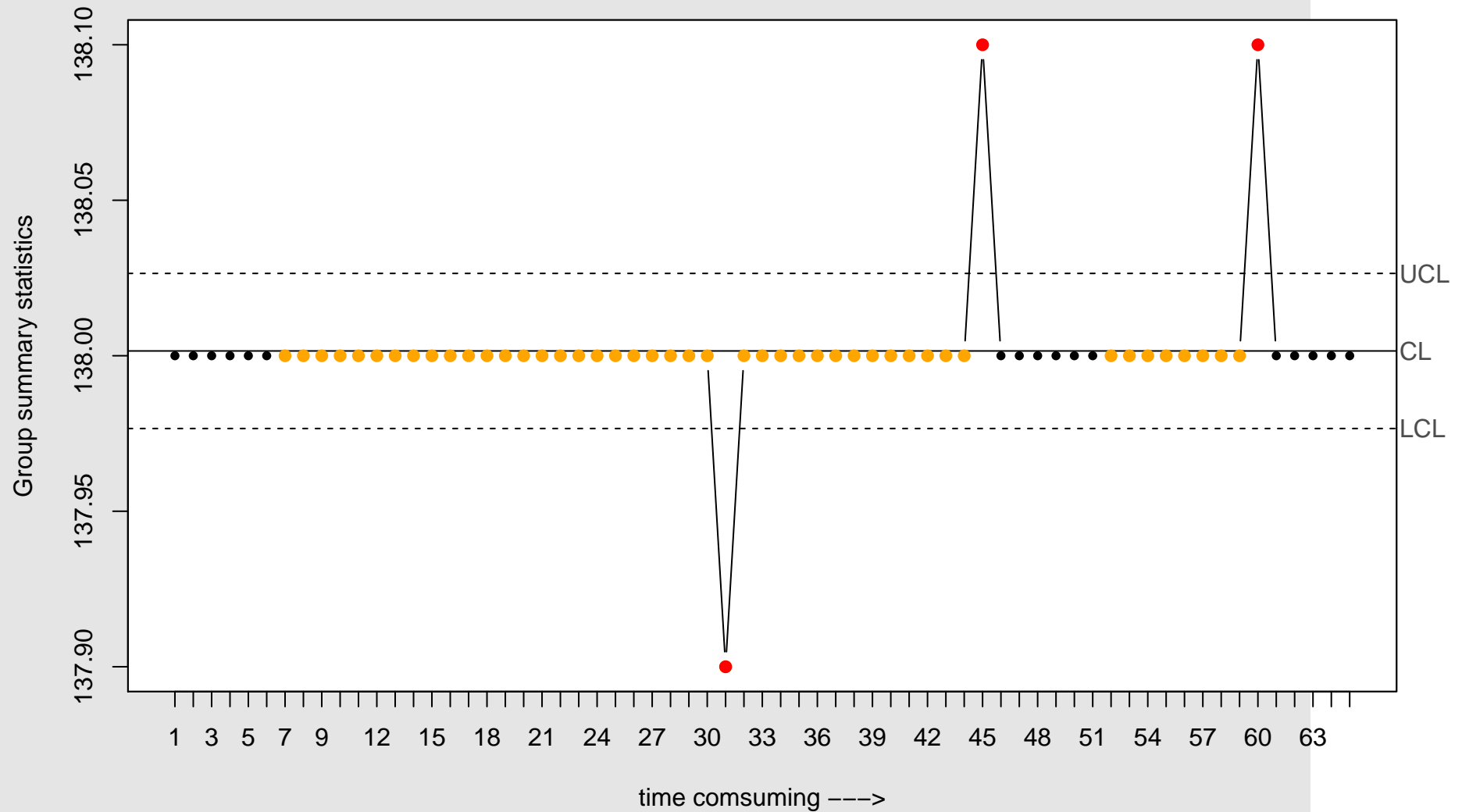
LCL = 137.7756

UCL = 138.2244

Number beyond limits = 0

Number violating runs = 0

3th column point of this product

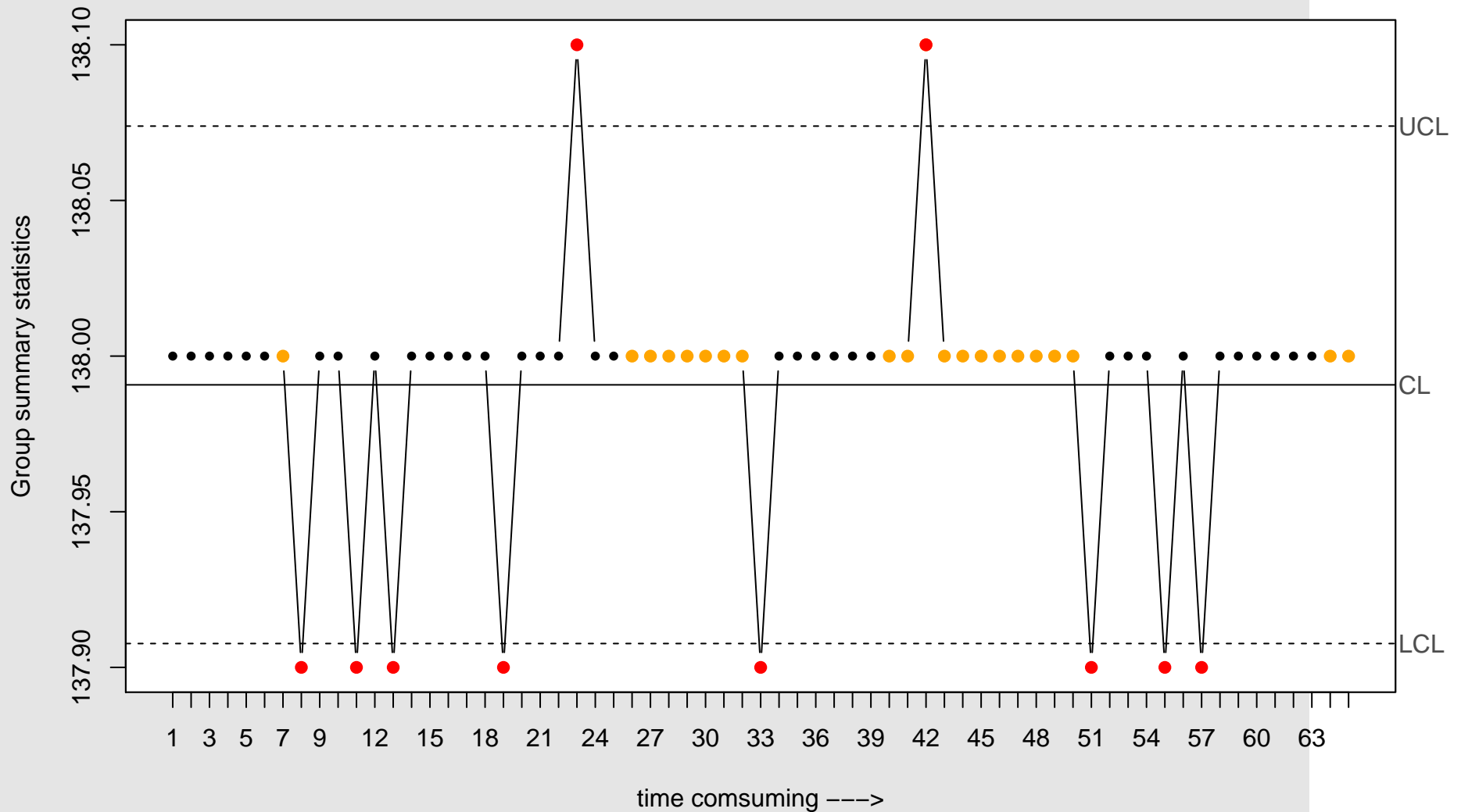


Number of groups = 65
Center = 138.0015
StdDev = 0.00831117

LCL = 137.9766
UCL = 138.0265

Number beyond limits = 3
Number violating runs = 46

4th column point of this product

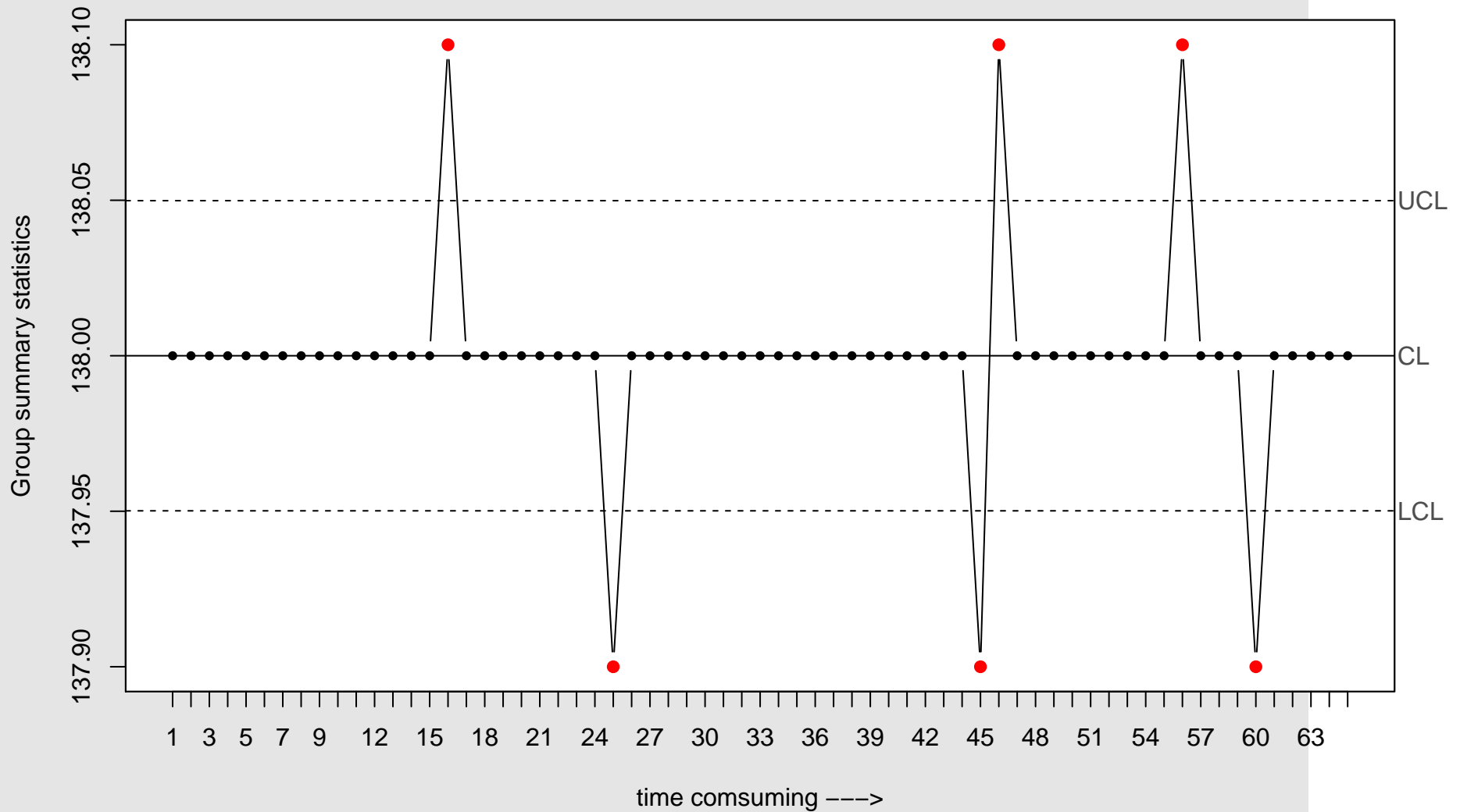


Number of groups = 65
Center = 137.9908
StdDev = 0.0277039

LCL = 137.9077
UCL = 138.0739

Number beyond limits = 10
Number violating runs = 21

5th column point of this product



Number of groups = 65

Center = 138

StdDev = 0.01662234

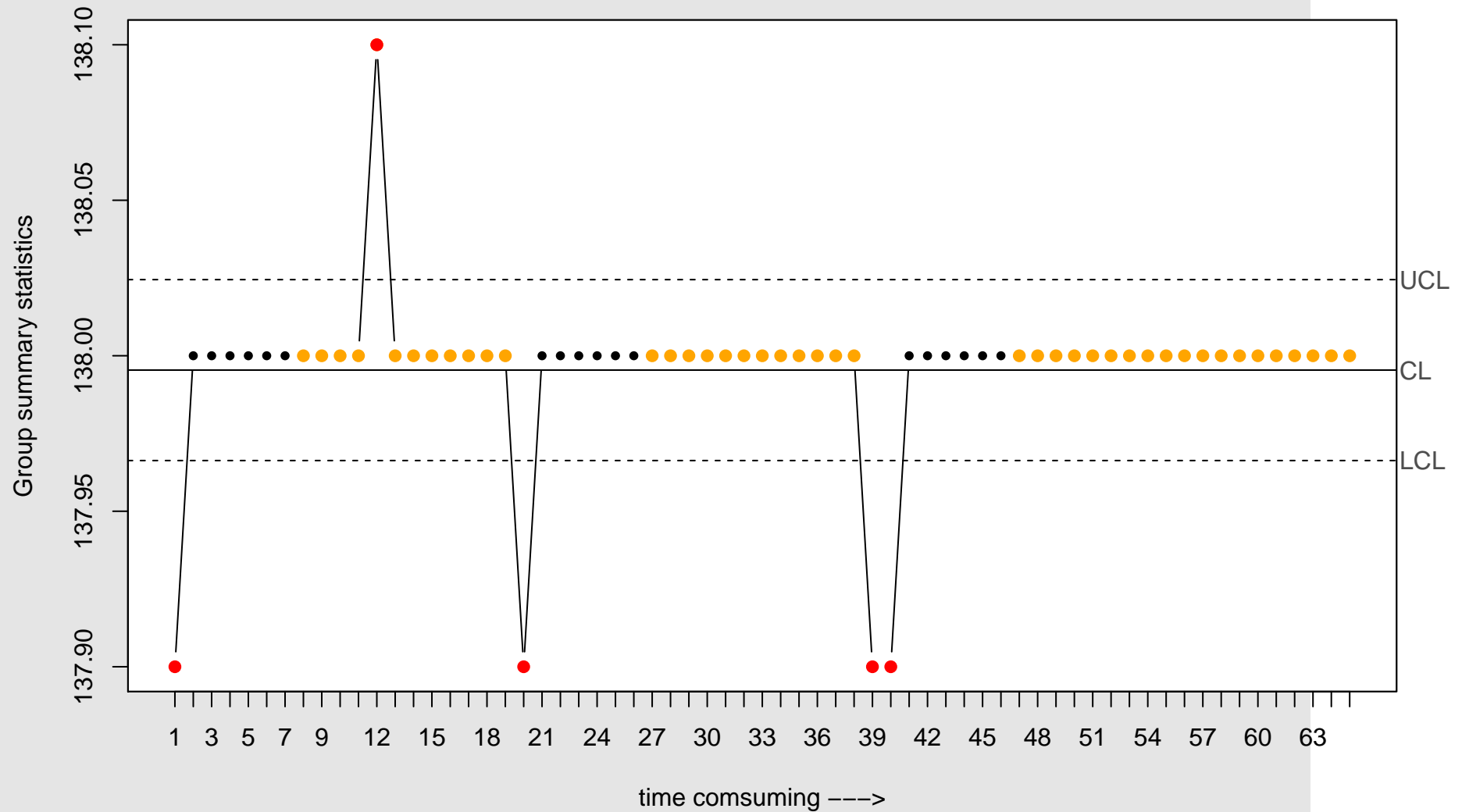
LCL = 137.9501

UCL = 138.0499

Number beyond limits = 6

Number violating runs = 0

6th column point of this product

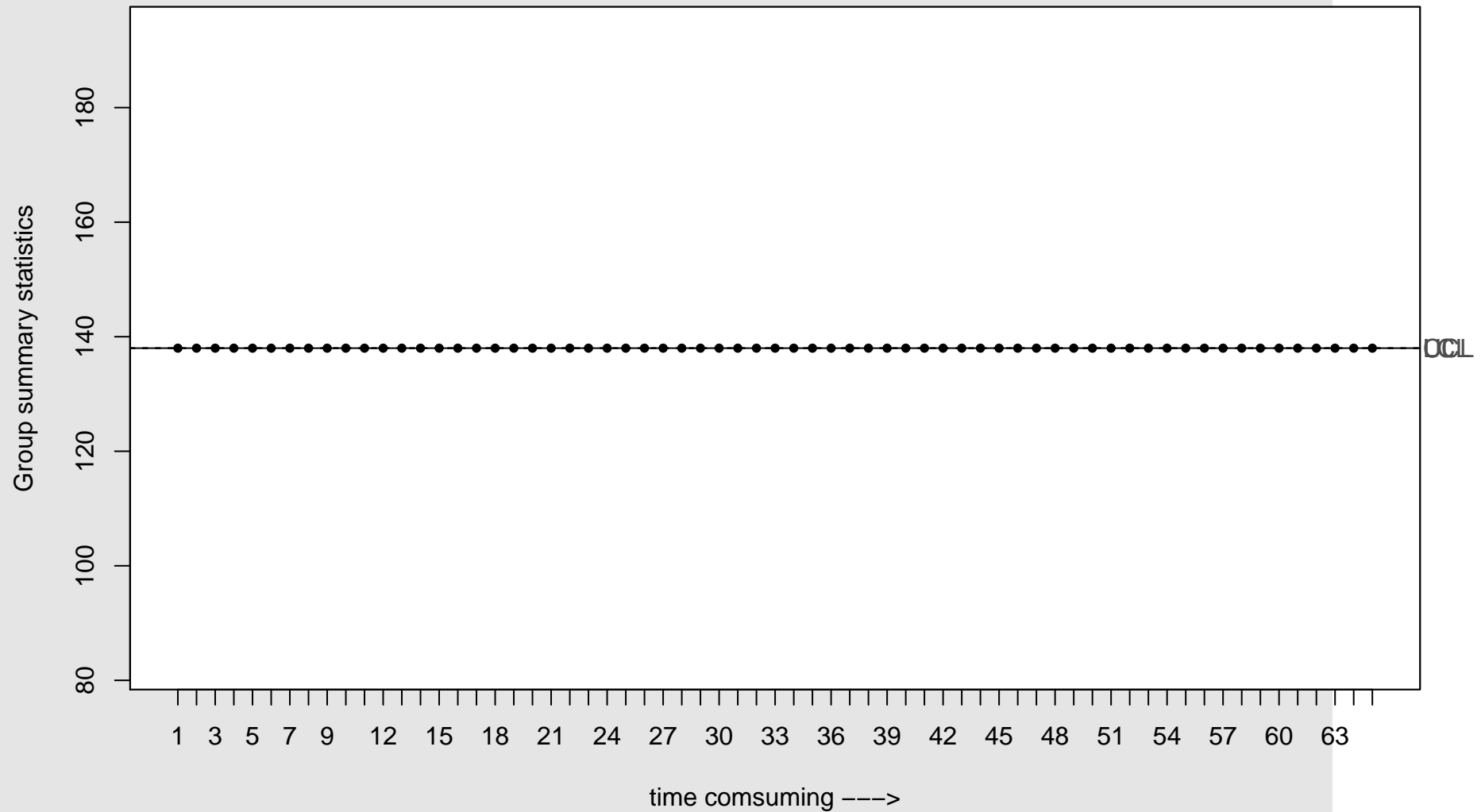


Number of groups = 65
Center = 137.9954
StdDev = 0.009696365

LCL = 137.9663
UCL = 138.0245

Number beyond limits = 5
Number violating runs = 43

7th column point of this product



Number of groups = 65

Center = 138

StdDev = 0

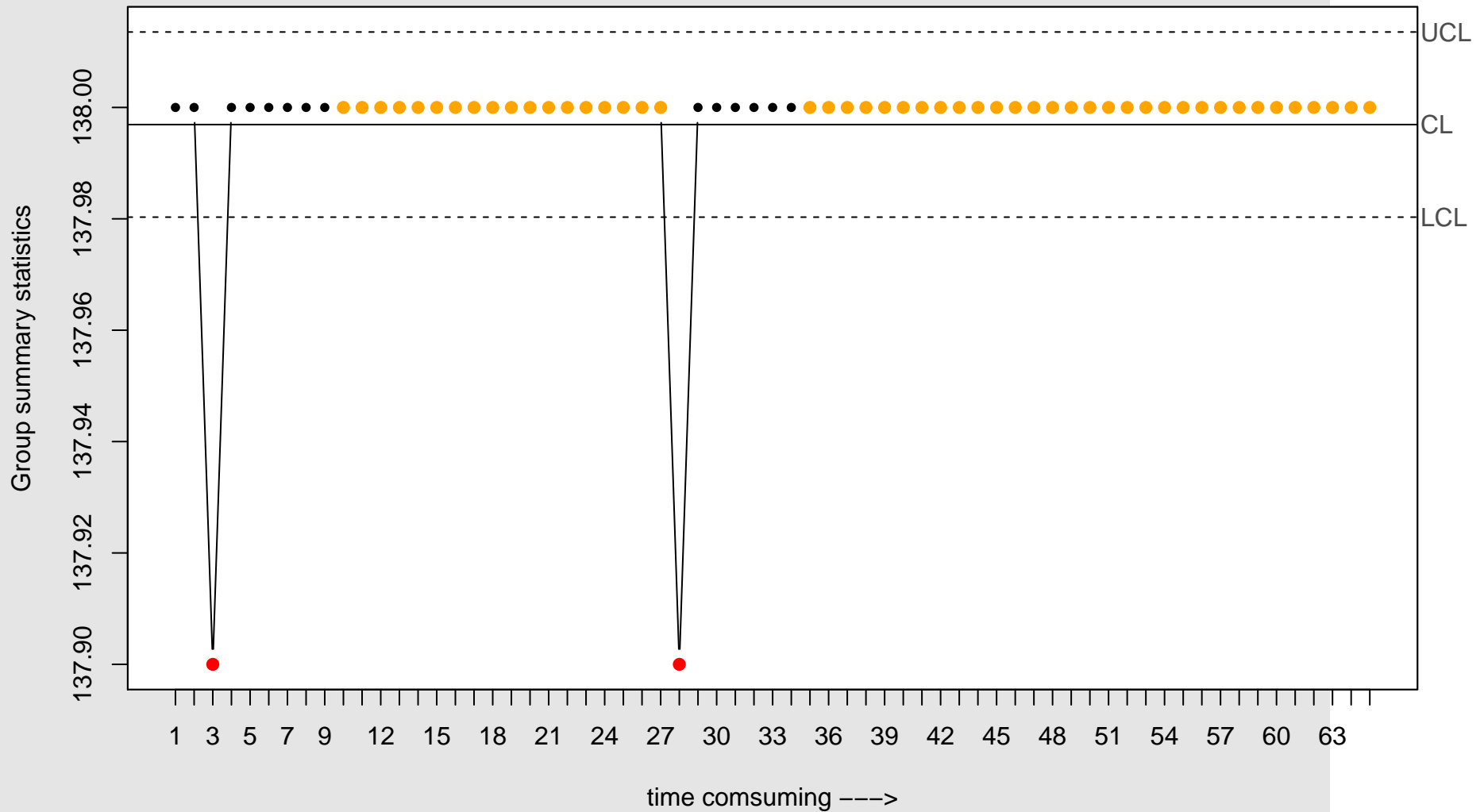
LCL = 138

UCL = 138

Number beyond limits = 0

Number violating runs = 0

8th column point of this product

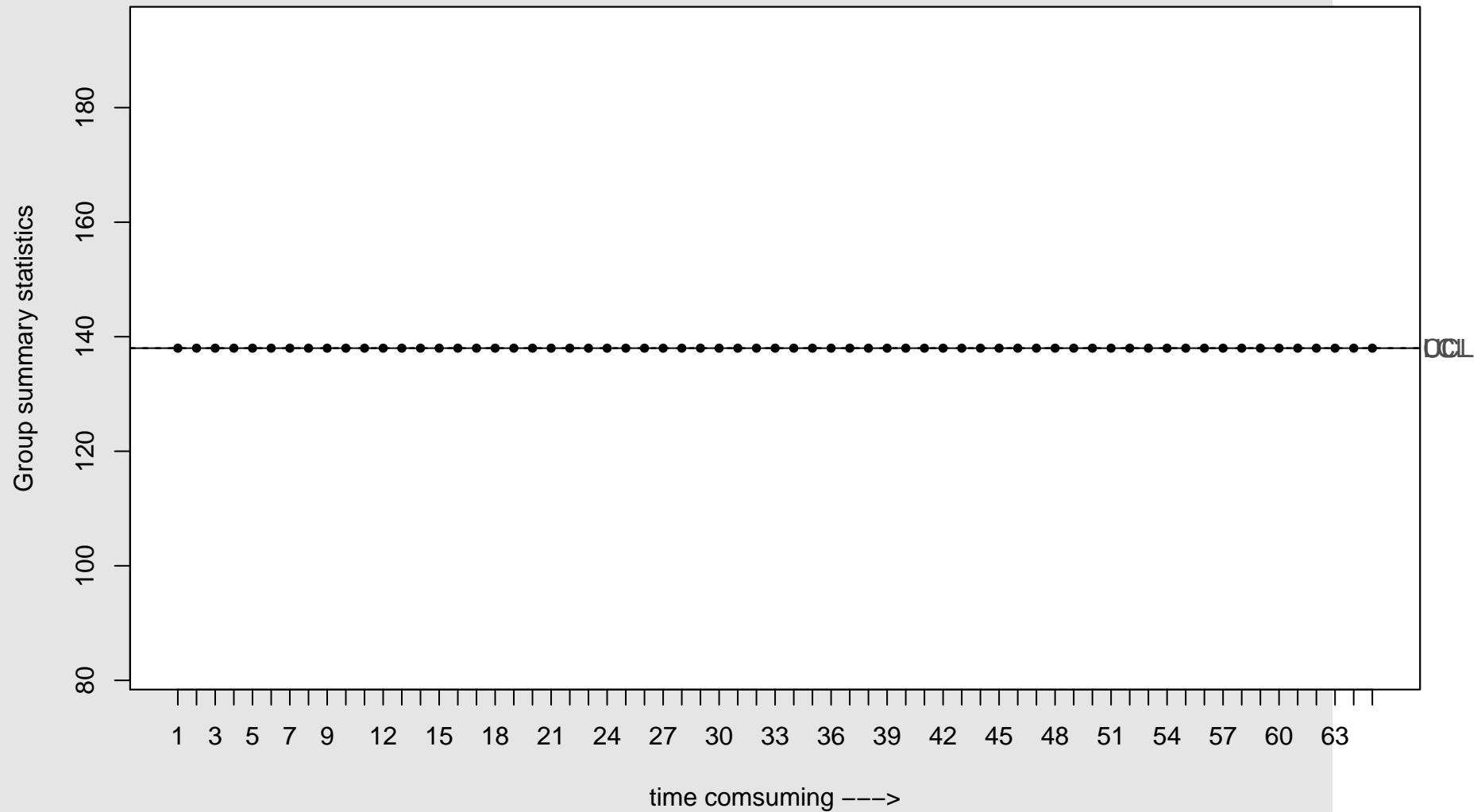


Number of groups = 65
Center = 137.9969
StdDev = 0.00554078

LCL = 137.9803
UCL = 138.0135

Number beyond limits = 2
Number violating runs = 49

9th column point of this product



Number of groups = 65

Center = 138

StdDev = 0

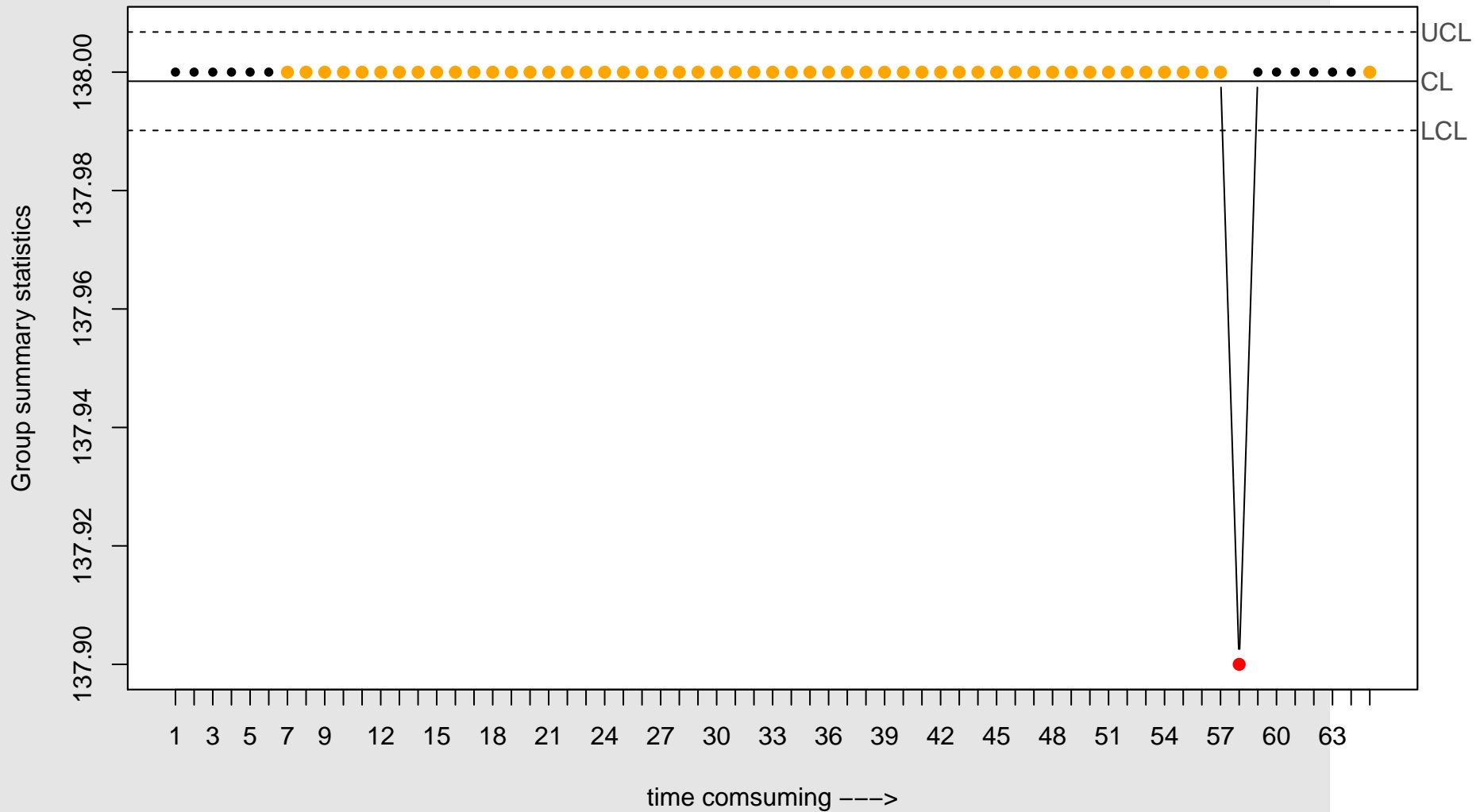
LCL = 138

UCL = 138

Number beyond limits = 0

Number violating runs = 0

10th column point of this product

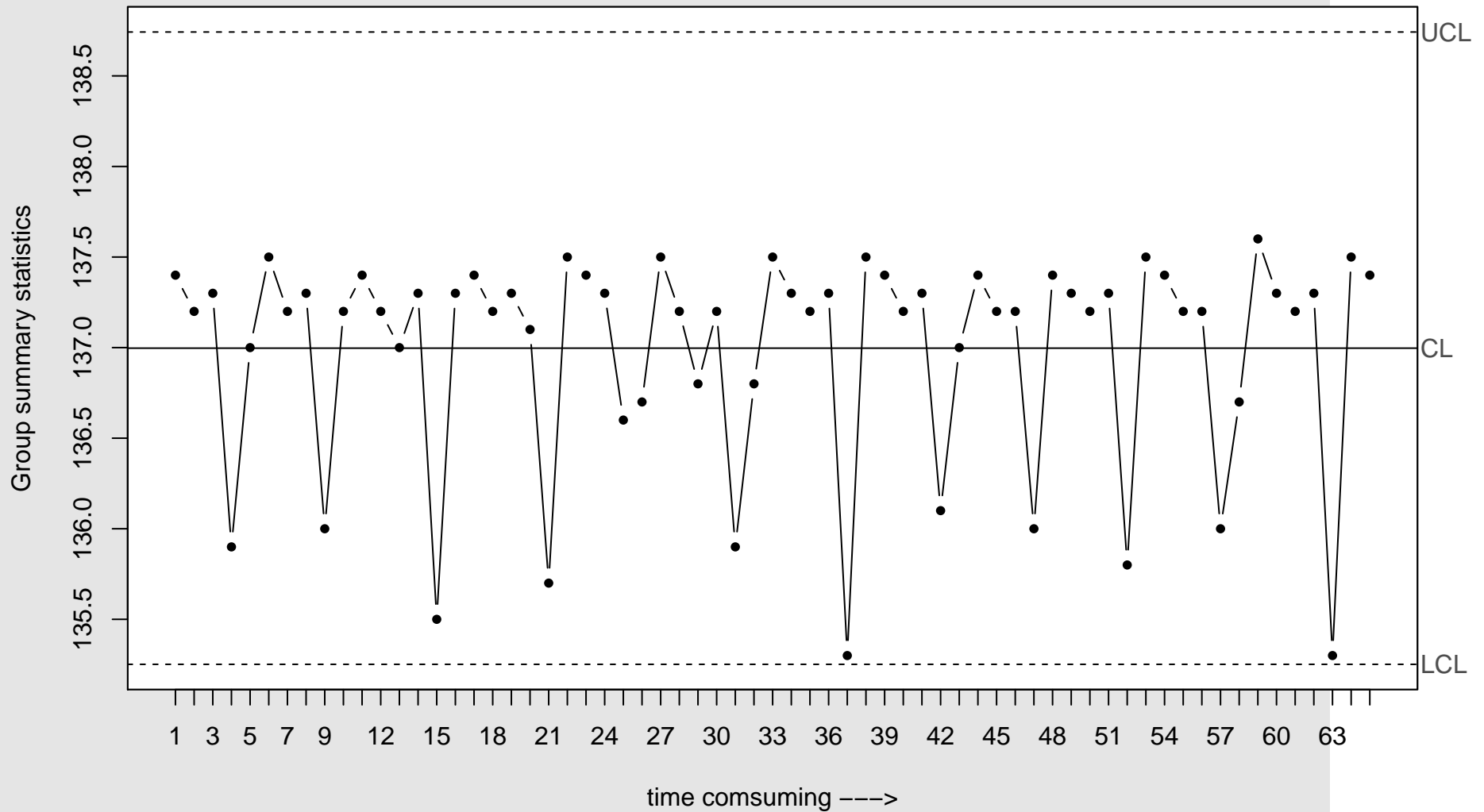


Number of groups = 65
Center = 137.9985
StdDev = 0.00277039

LCL = 137.9902
UCL = 138.0068

Number beyond limits = 1
Number violating runs = 52

11th column point of this product



Number of groups = 65

Center = 136.9969

StdDev = 0.5817819

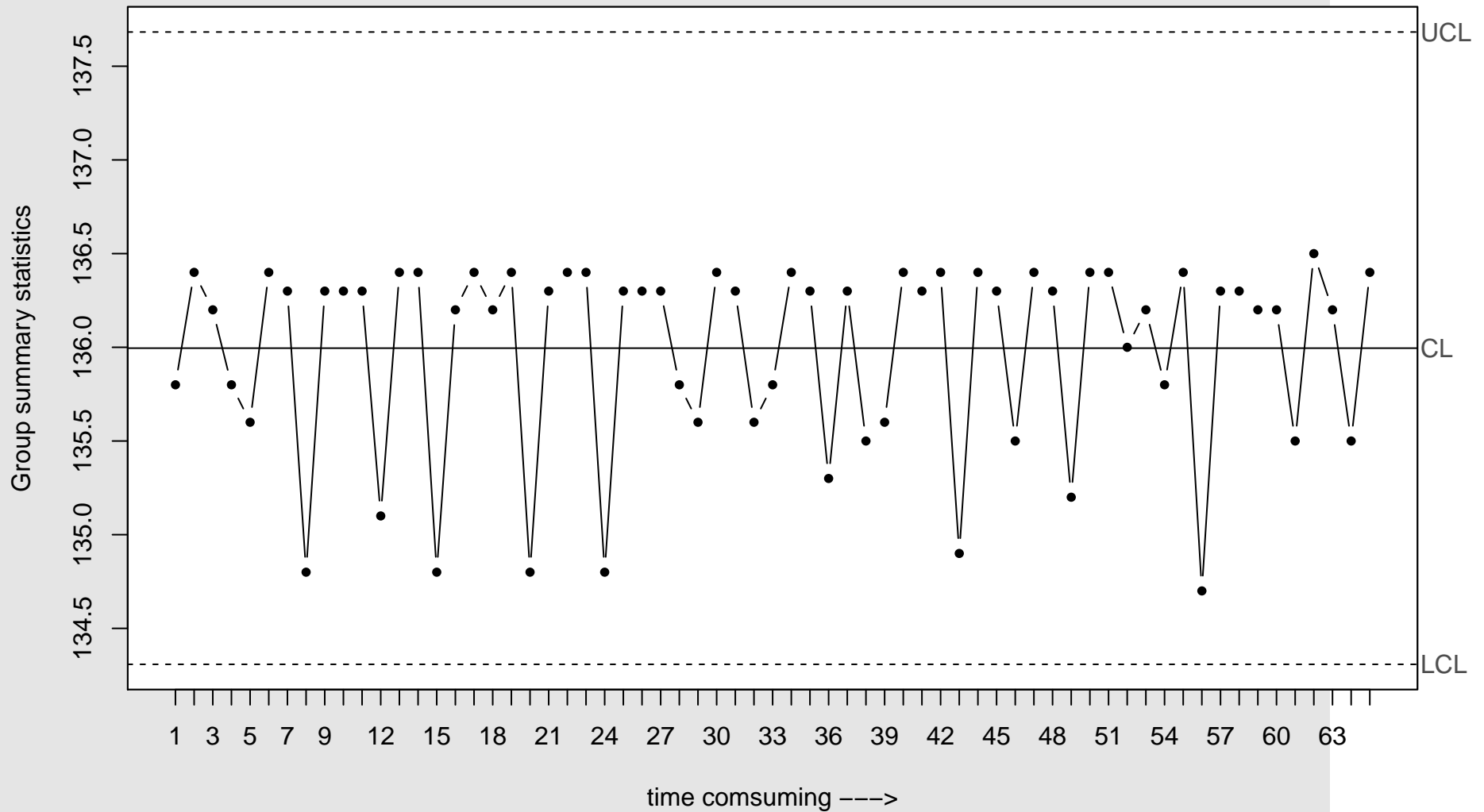
LCL = 135.2516

UCL = 138.7423

Number beyond limits = 0

Number violating runs = 0

12th column point of this product



Number of groups = 65

Center = 135.9954

StdDev = 0.5623892

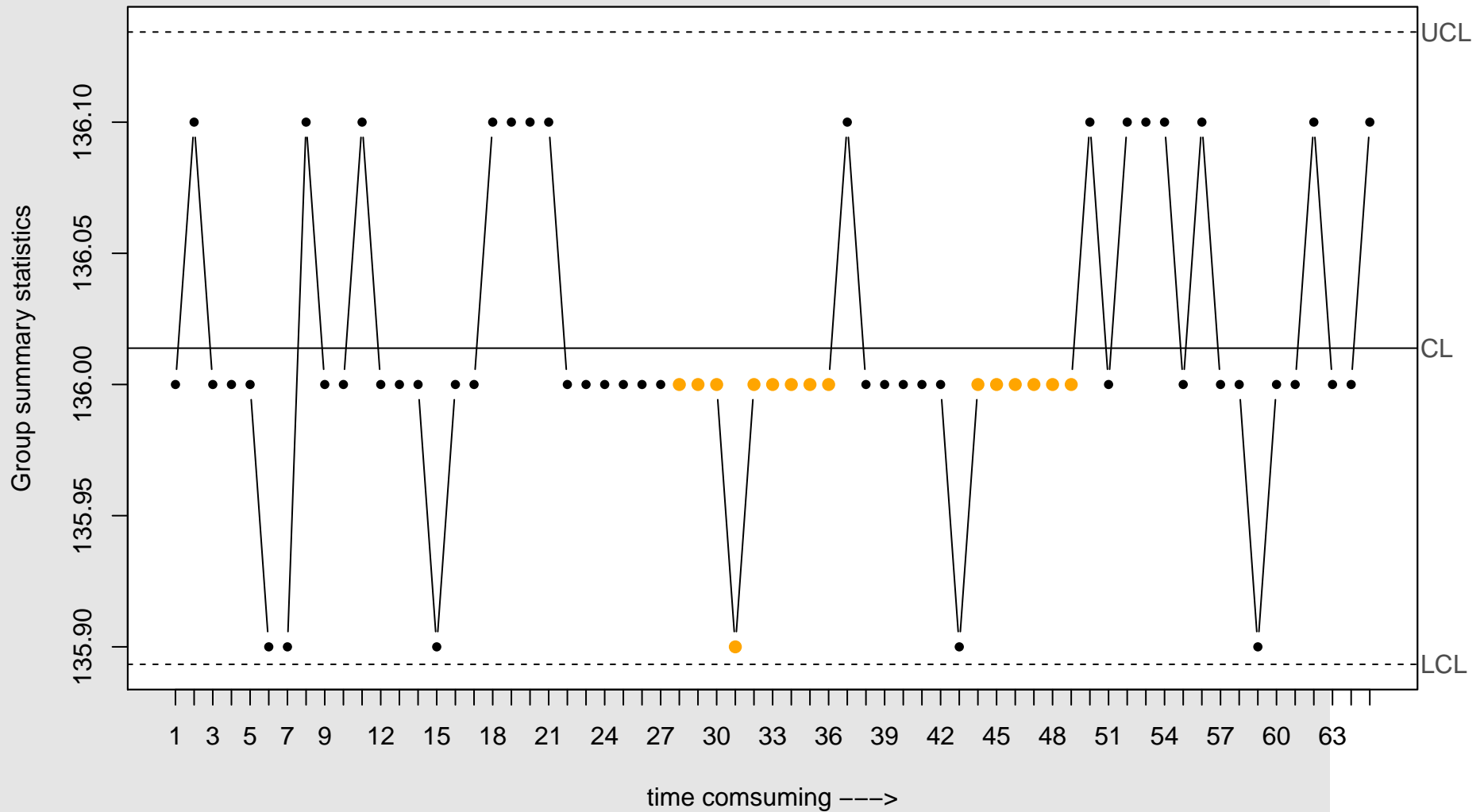
LCL = 134.3082

UCL = 137.6826

Number beyond limits = 0

Number violating runs = 0

13th column point of this product

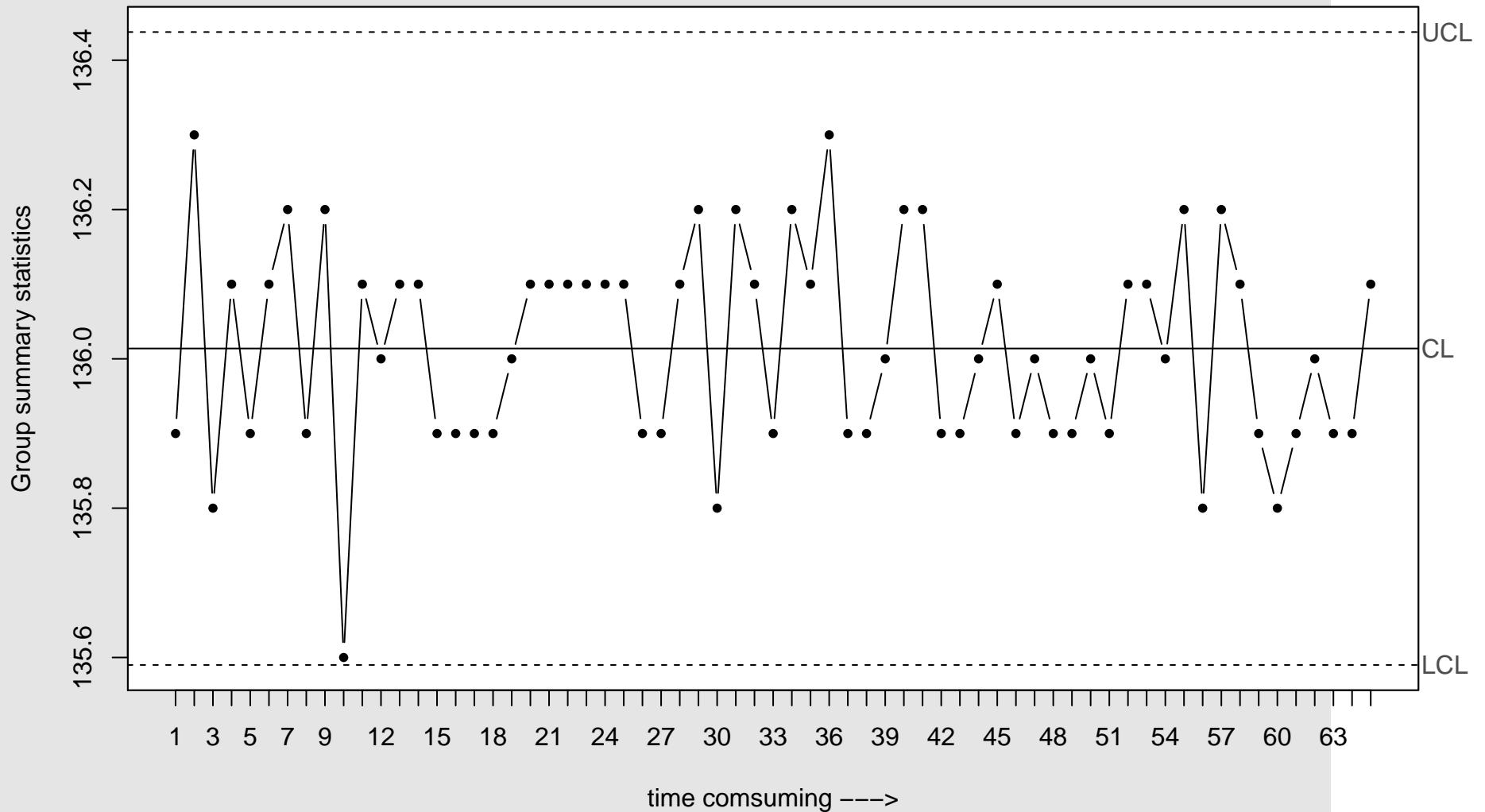


Number of groups = 65
Center = 136.0138
StdDev = 0.04017066

LCL = 135.8933
UCL = 136.1344

Number beyond limits = 0
Number violating runs = 15

14th column point of this product



Number of groups = 65

Center = 136.0138

StdDev = 0.1412899

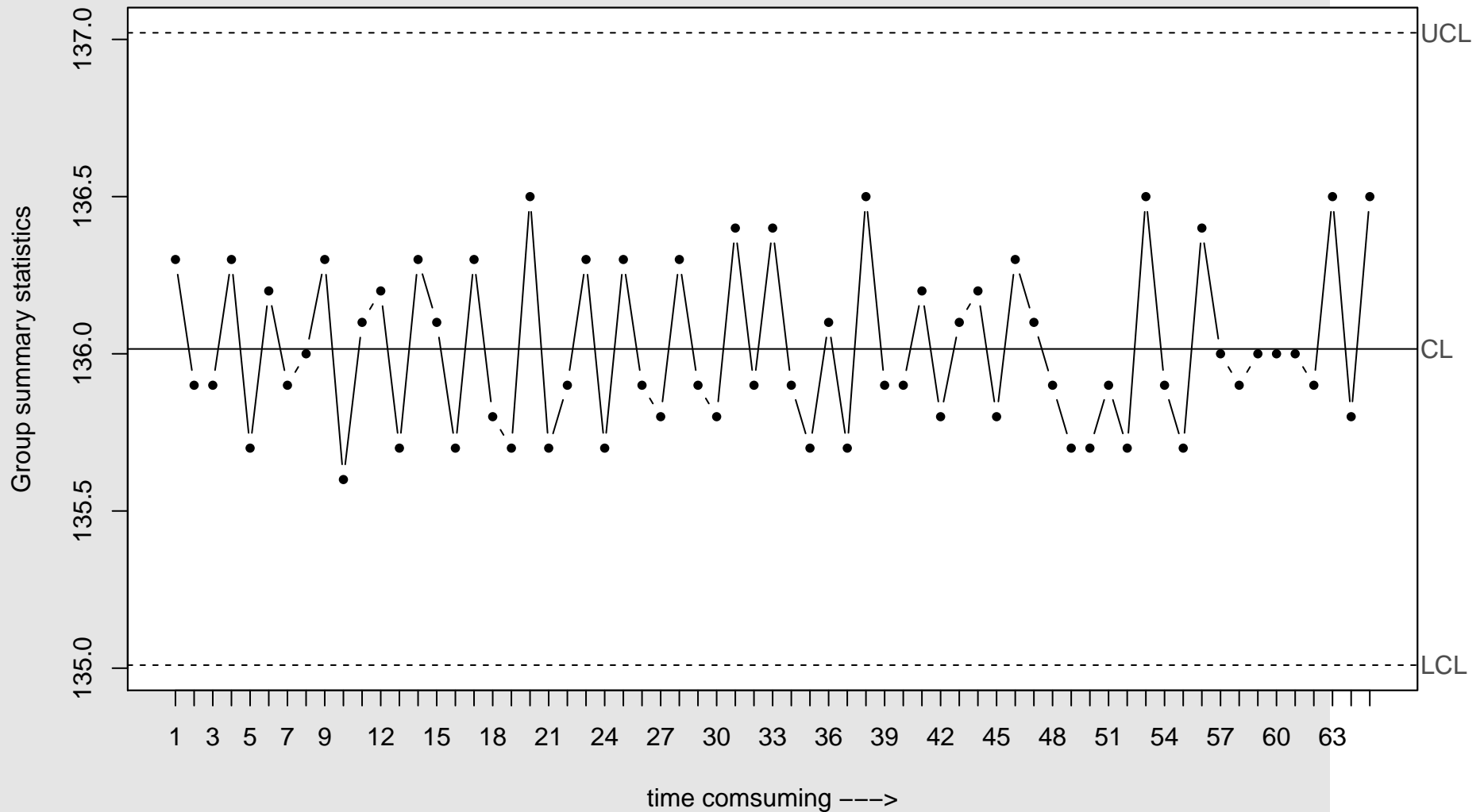
LCL = 135.59

UCL = 136.4377

Number beyond limits = 0

Number violating runs = 0

15th column point of this product



Number of groups = 65

Center = 136.0154

StdDev = 0.3352172

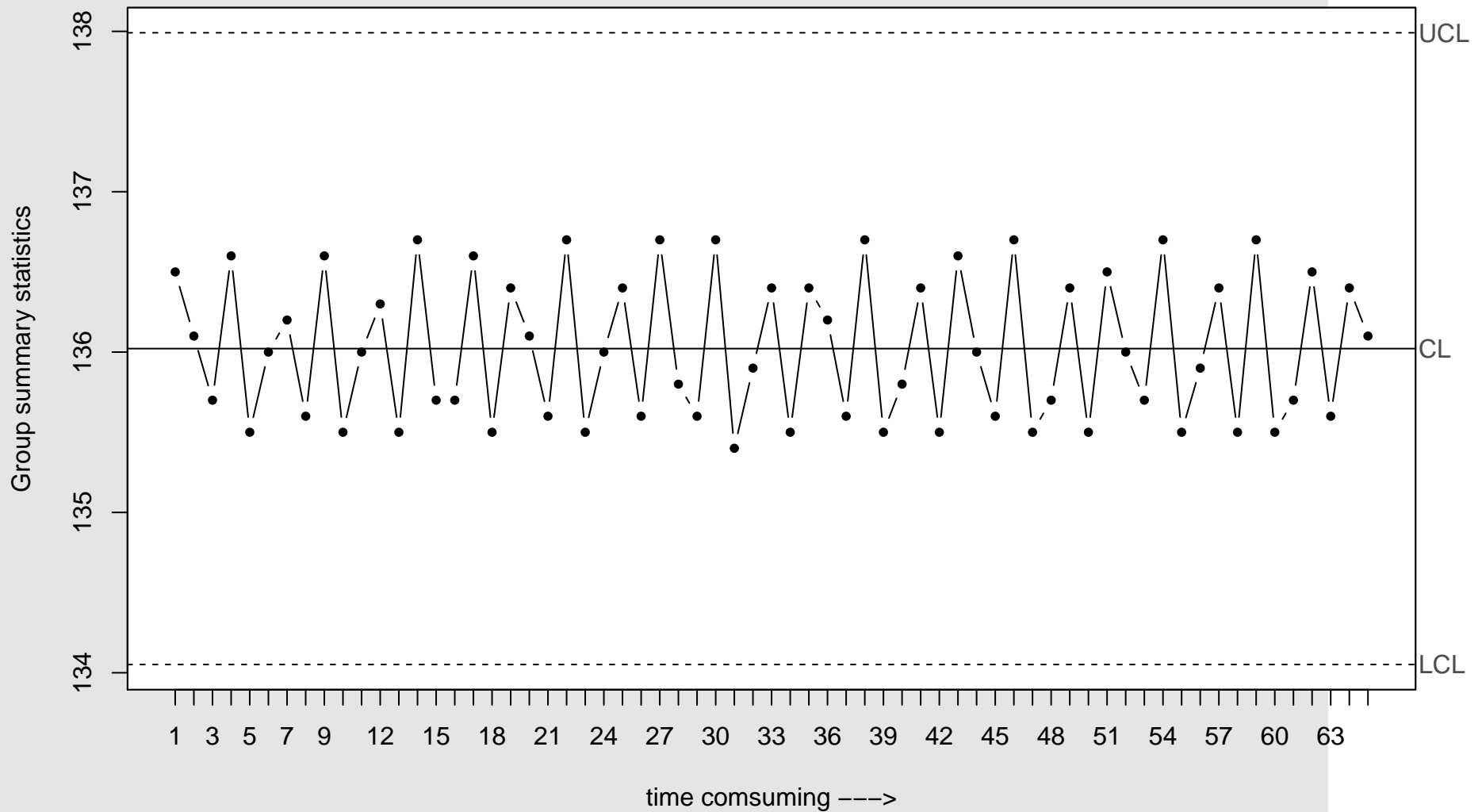
LCL = 135.0097

UCL = 137.021

Number beyond limits = 0

Number violating runs = 0

16th column point of this product



Number of groups = 65

Center = 136.0215

StdDev = 0.6565824

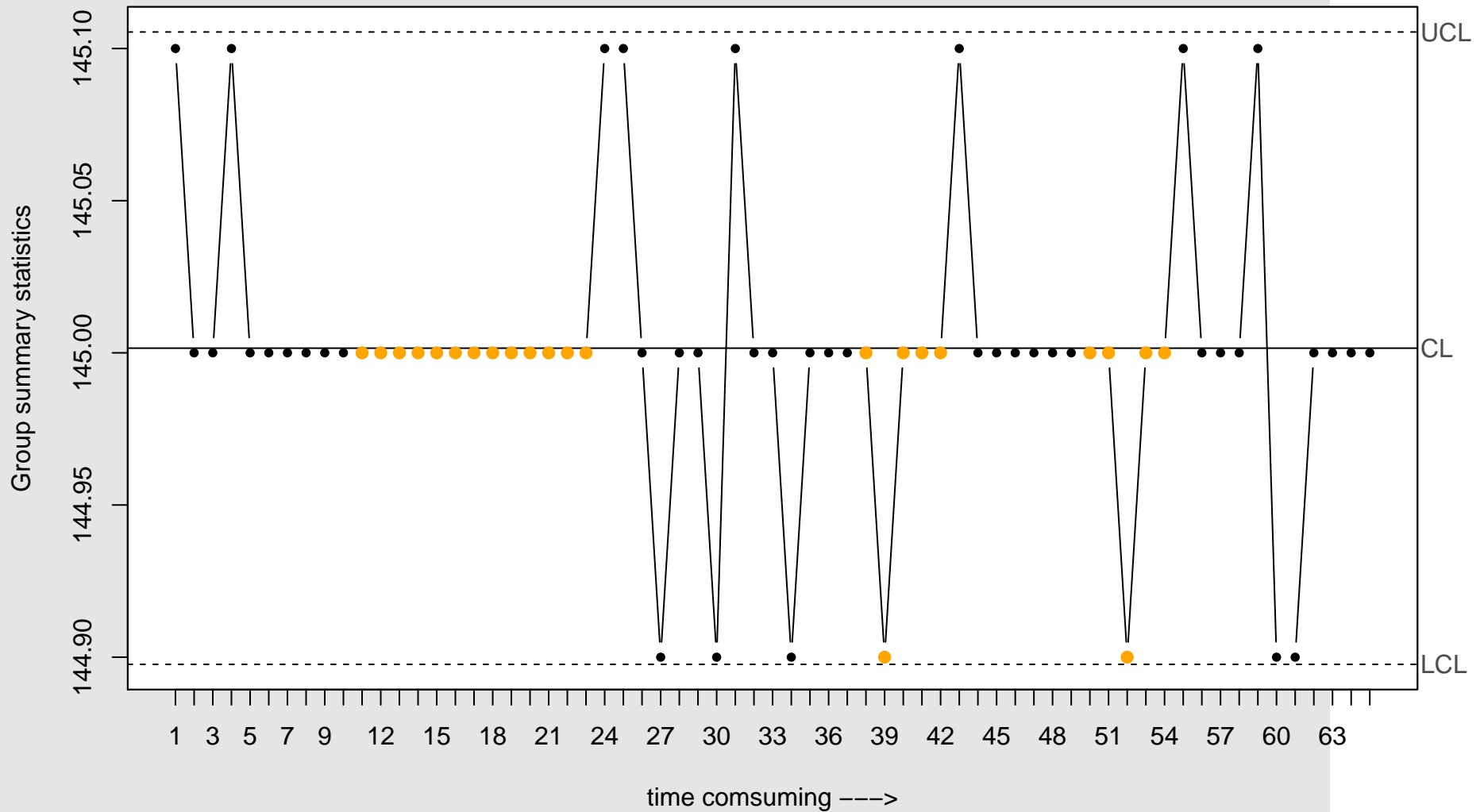
LCL = 134.0518

UCL = 137.9913

Number beyond limits = 0

Number violating runs = 0

17th column point of this product

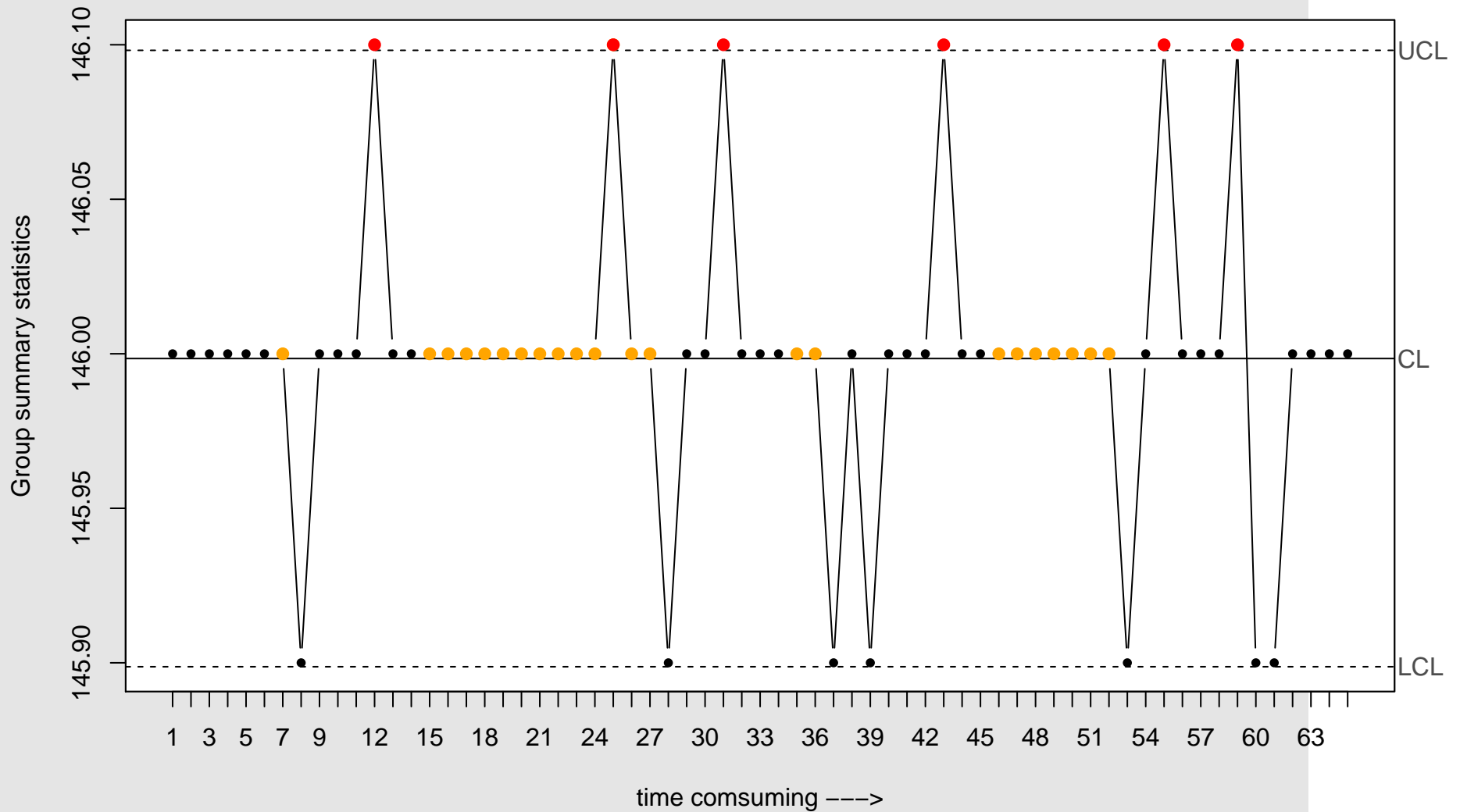


Number of groups = 65
Center = 145.0015
StdDev = 0.03462988

LCL = 144.8976
UCL = 145.1054

Number beyond limits = 0
Number violating runs = 23

18th column point of this product



Number of groups = 65
Center = 145.9985
StdDev = 0.03324468

LCL = 145.8987
UCL = 146.0982

Number beyond limits = 6
Number violating runs = 23