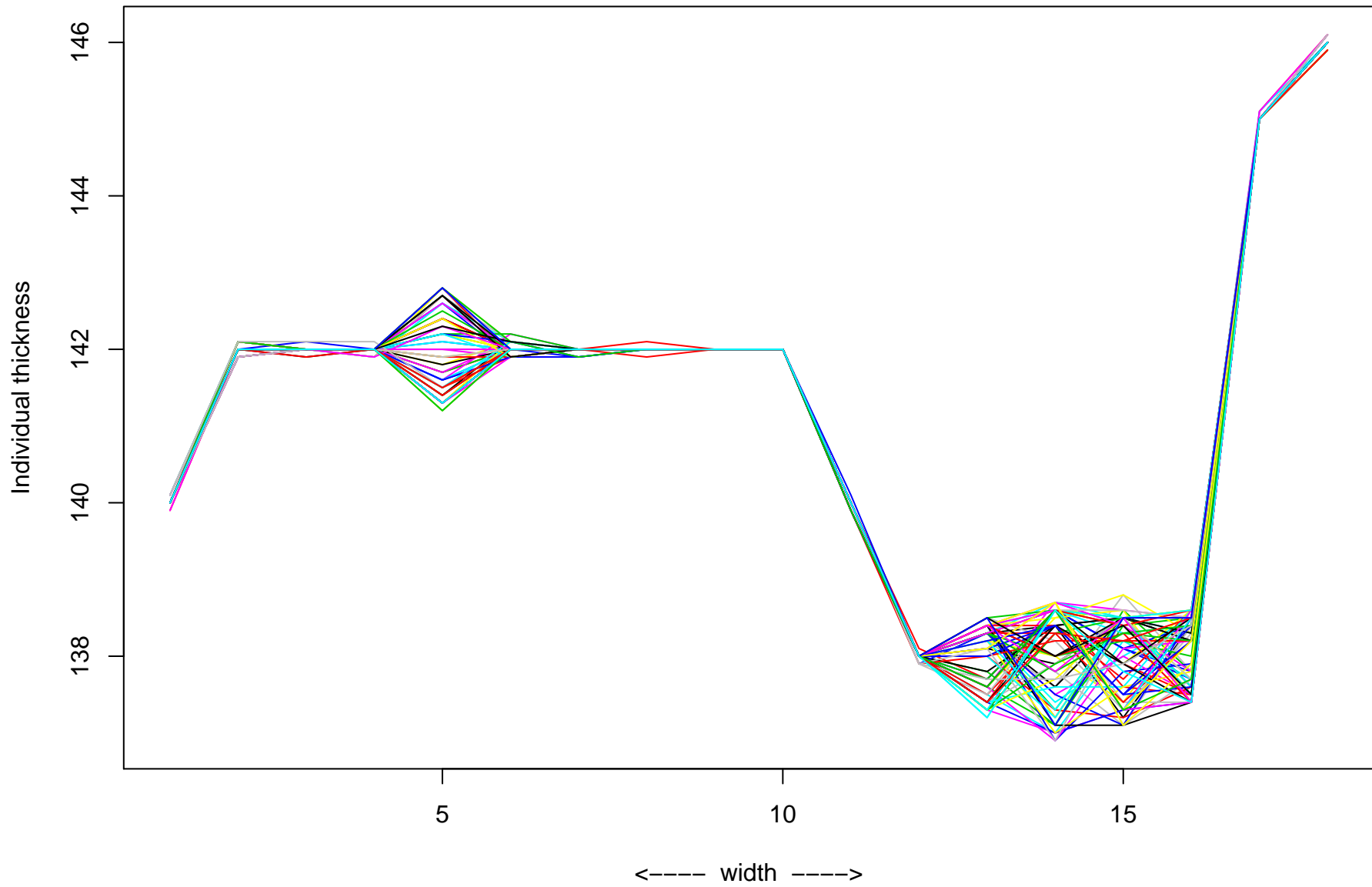
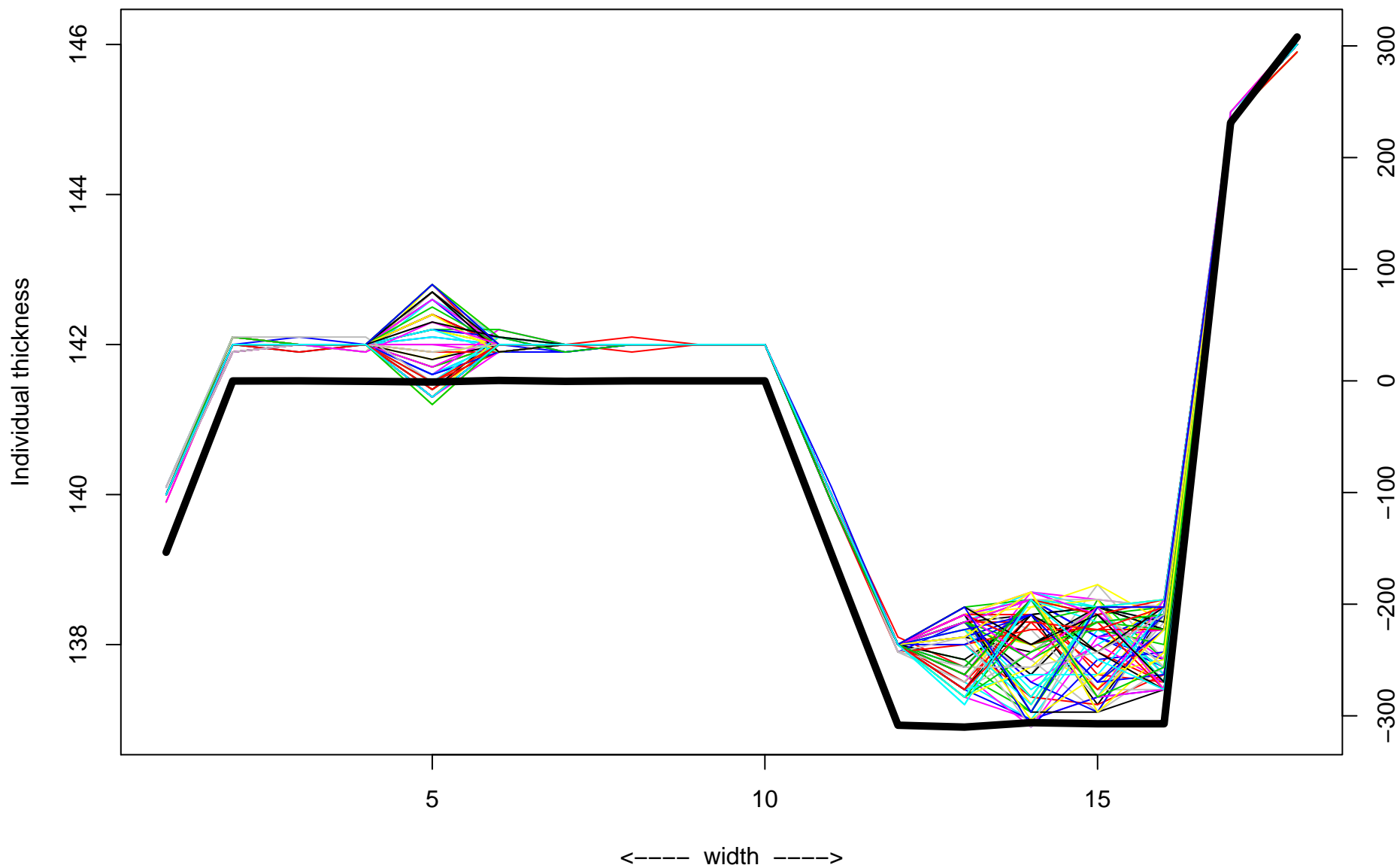


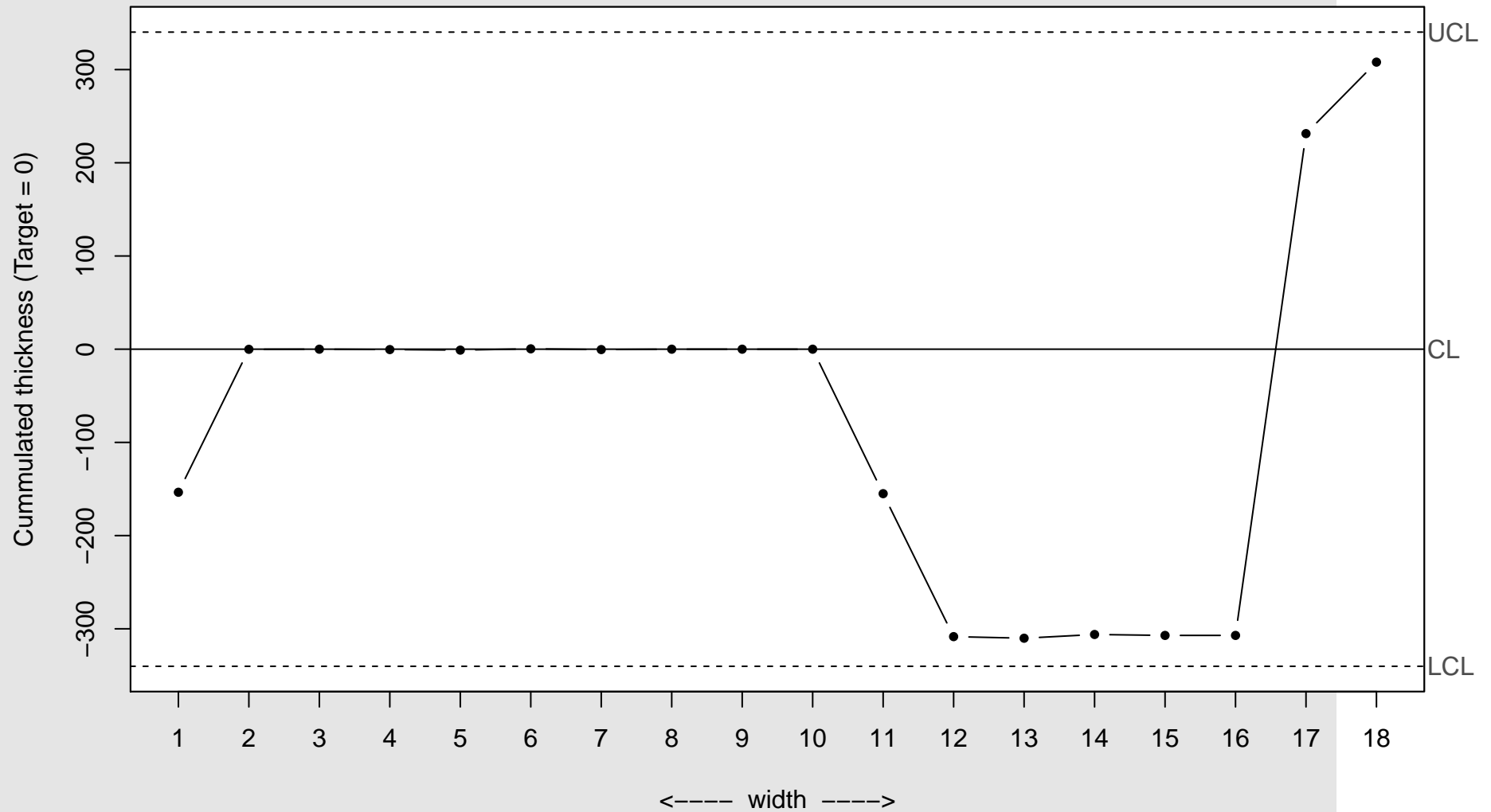
Individual thickness only



Simulated thickness



Simulated thickness



Number of groups = 18

Center = 0

StdDev = 56.70108

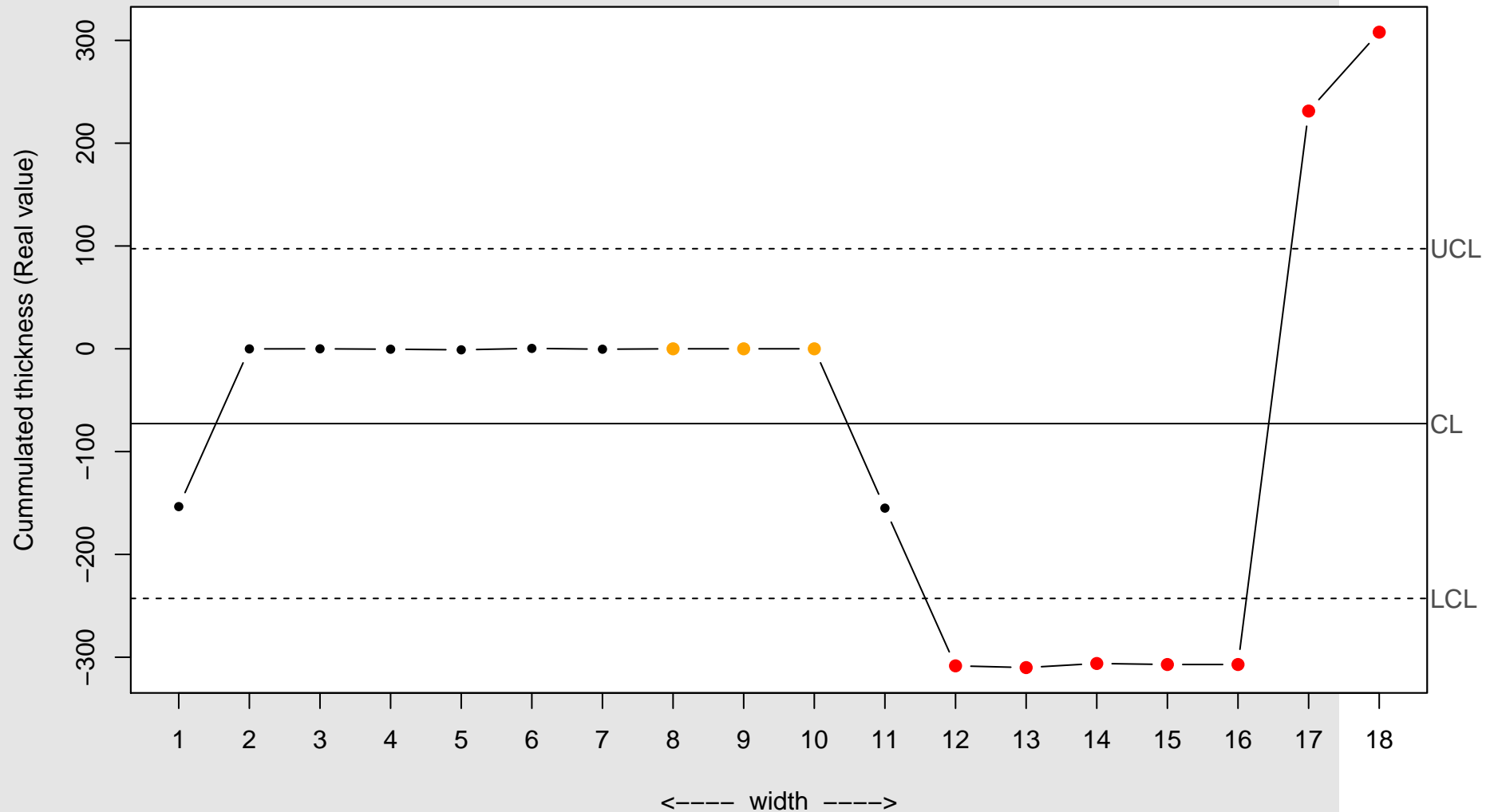
LCL = -340.2065

UCL = 340.2065

Number beyond limits = 0

Number violating runs = 0

Simulated thickness: Cpk is -0.07209 and z is -1.716 .

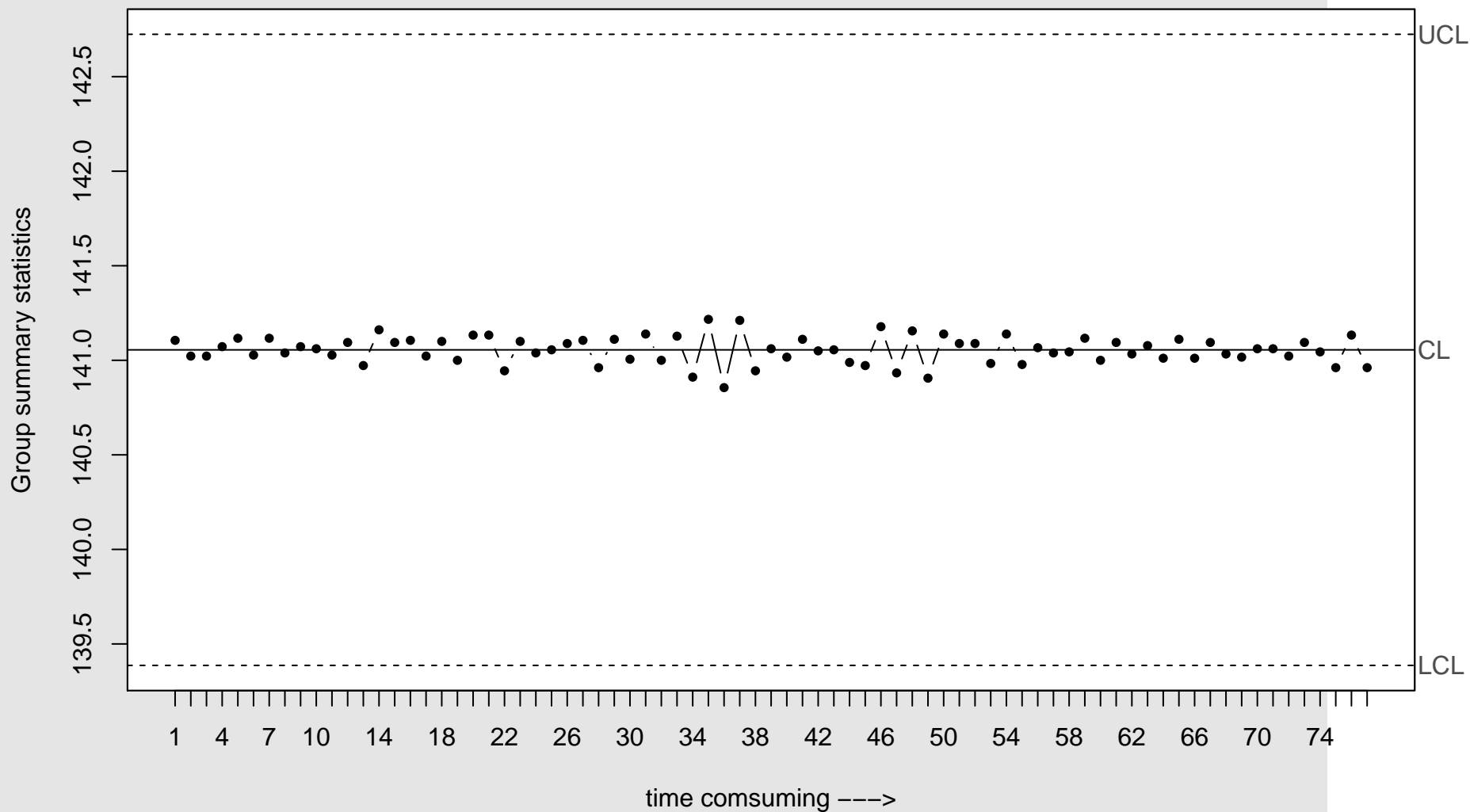


Number of groups = 18
Center = -72.75
StdDev = 56.70108

LCL = -242.8533
UCL = 97.35325

Number beyond limits = 7
Number violating runs = 3

X-bar chart for a given dataset



Number of groups = 77

Center = 141.0552

StdDev = 2.359783

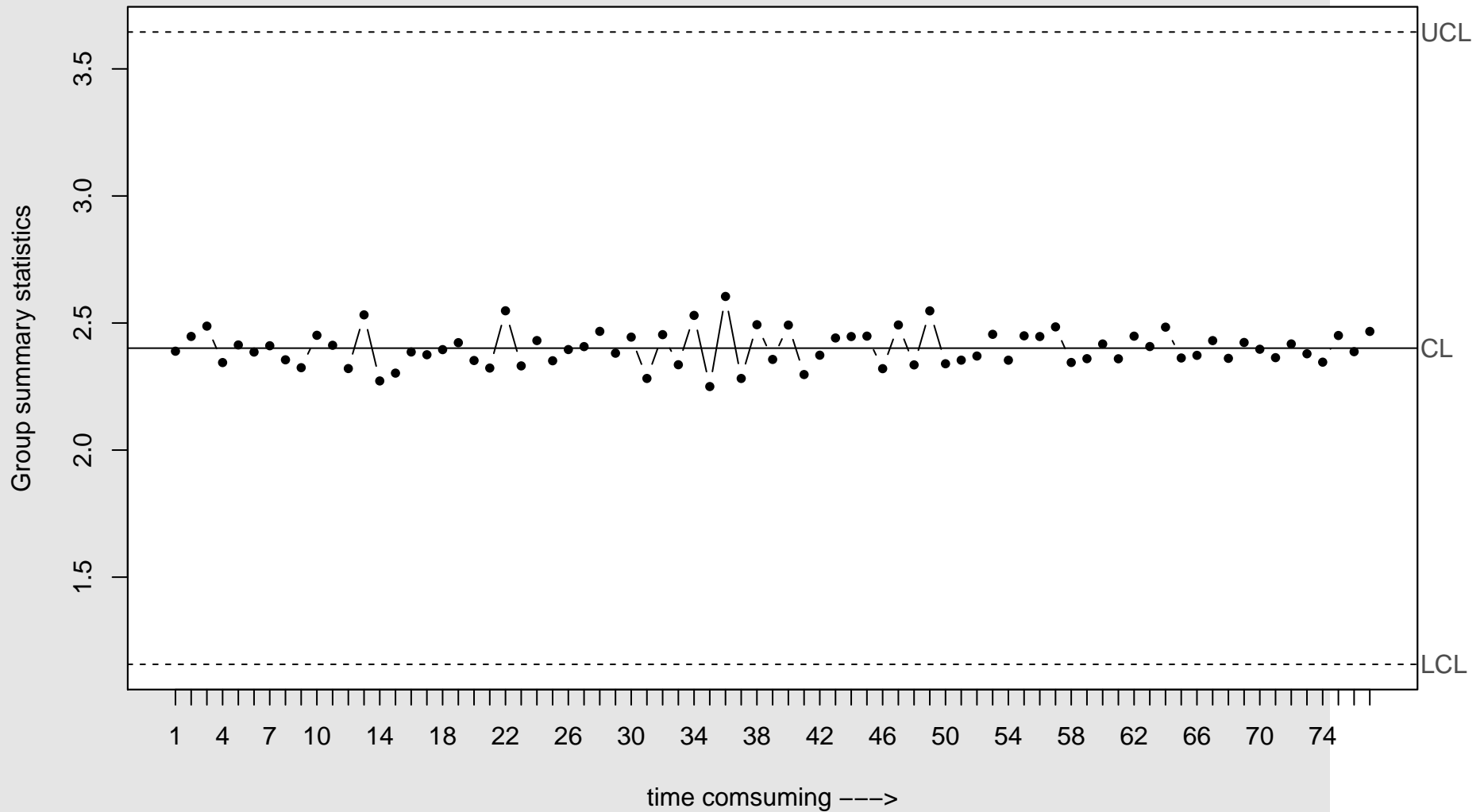
LCL = 139.3866

UCL = 142.7238

Number beyond limits = 0

Number violating runs = 0

S chart for a given dataset



Number of groups = 77

Center = 2.401042

StdDev = 2.436592

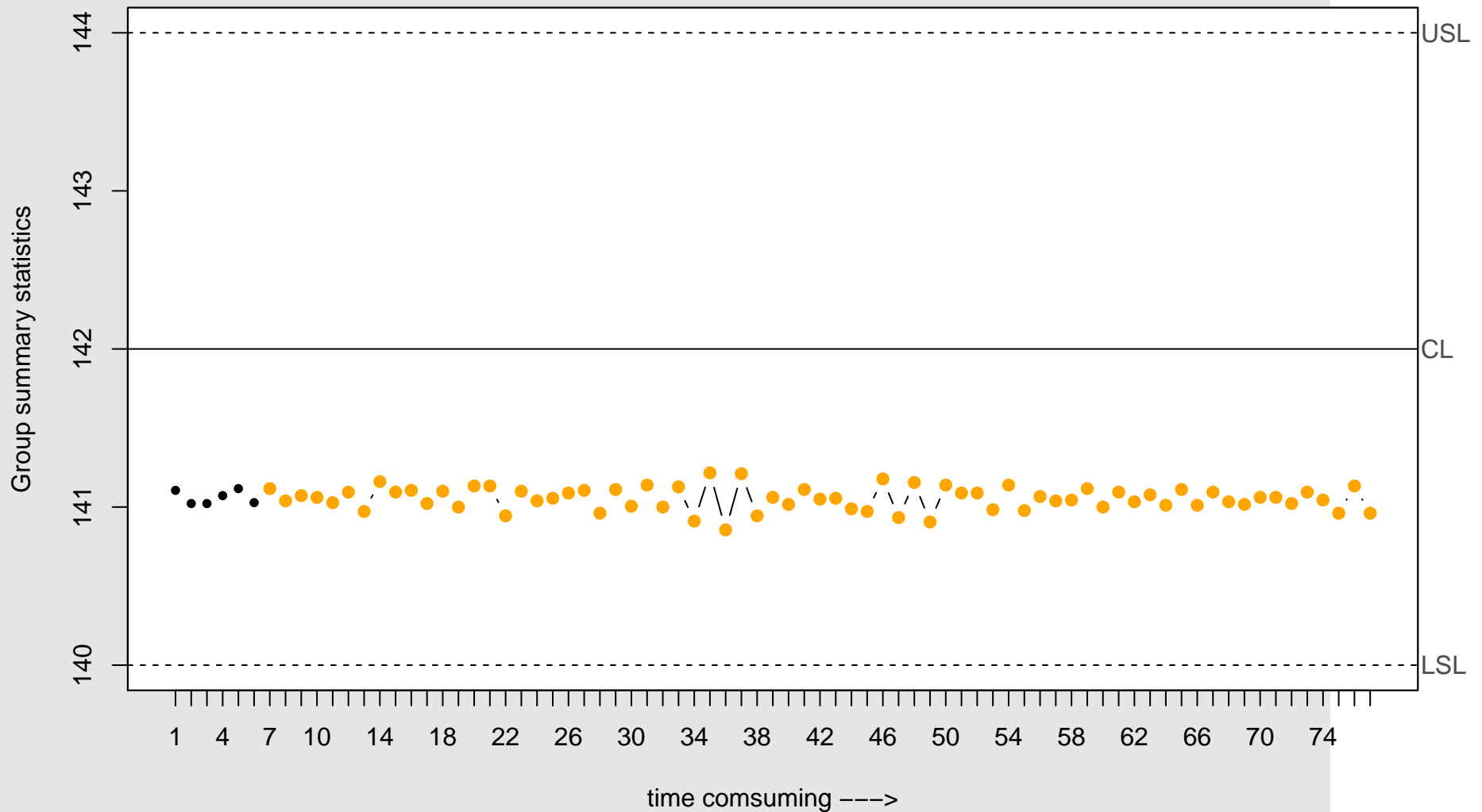
LCL = 1.15694

UCL = 3.645145

Number beyond limits = 0

Number violating runs = 0

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



Number of groups = 77

Center = 142

StdDev = 2.359783

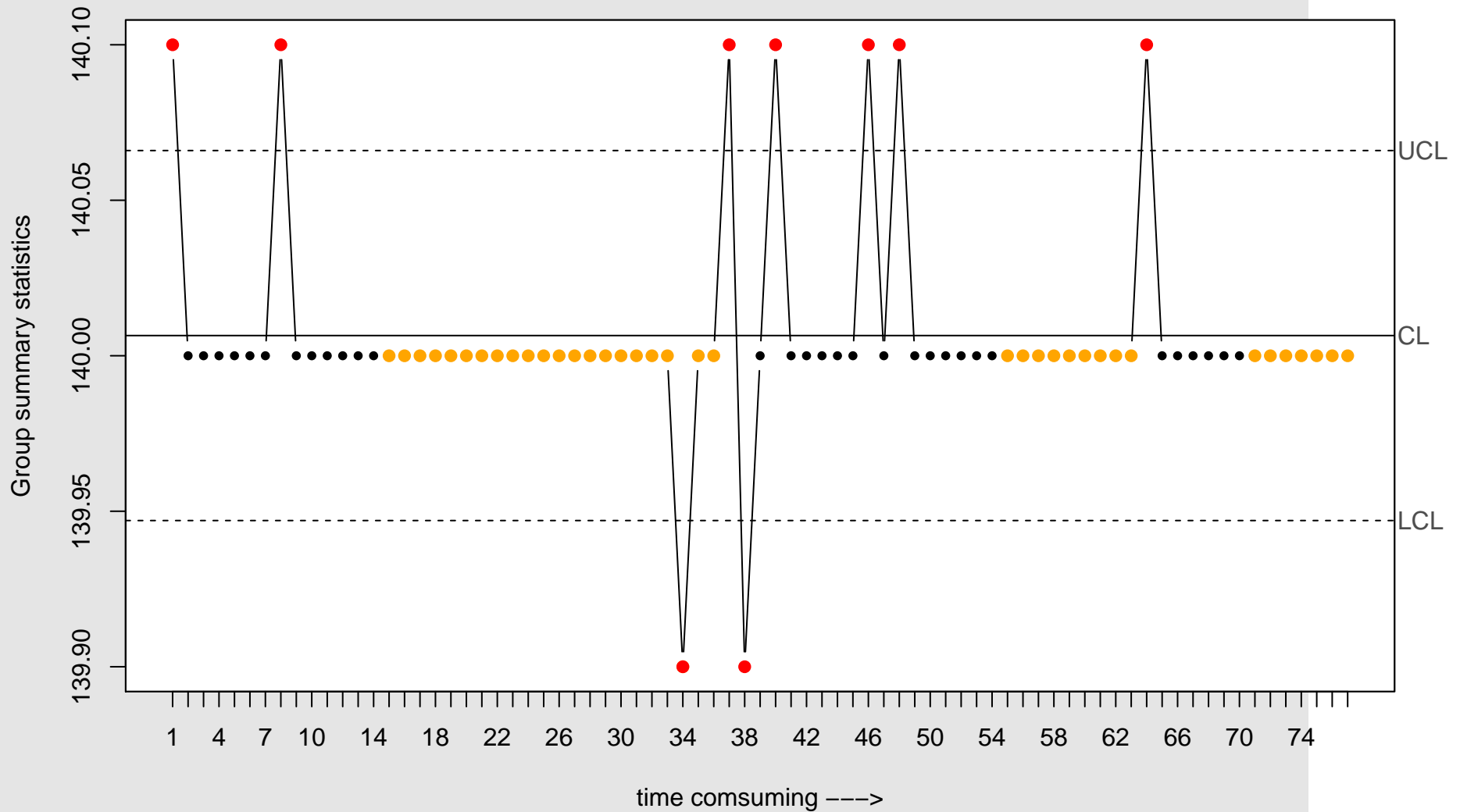
LCL = 140

UCL = 144

Number beyond limits = 0

Number violating runs = 71

1th column point of this product

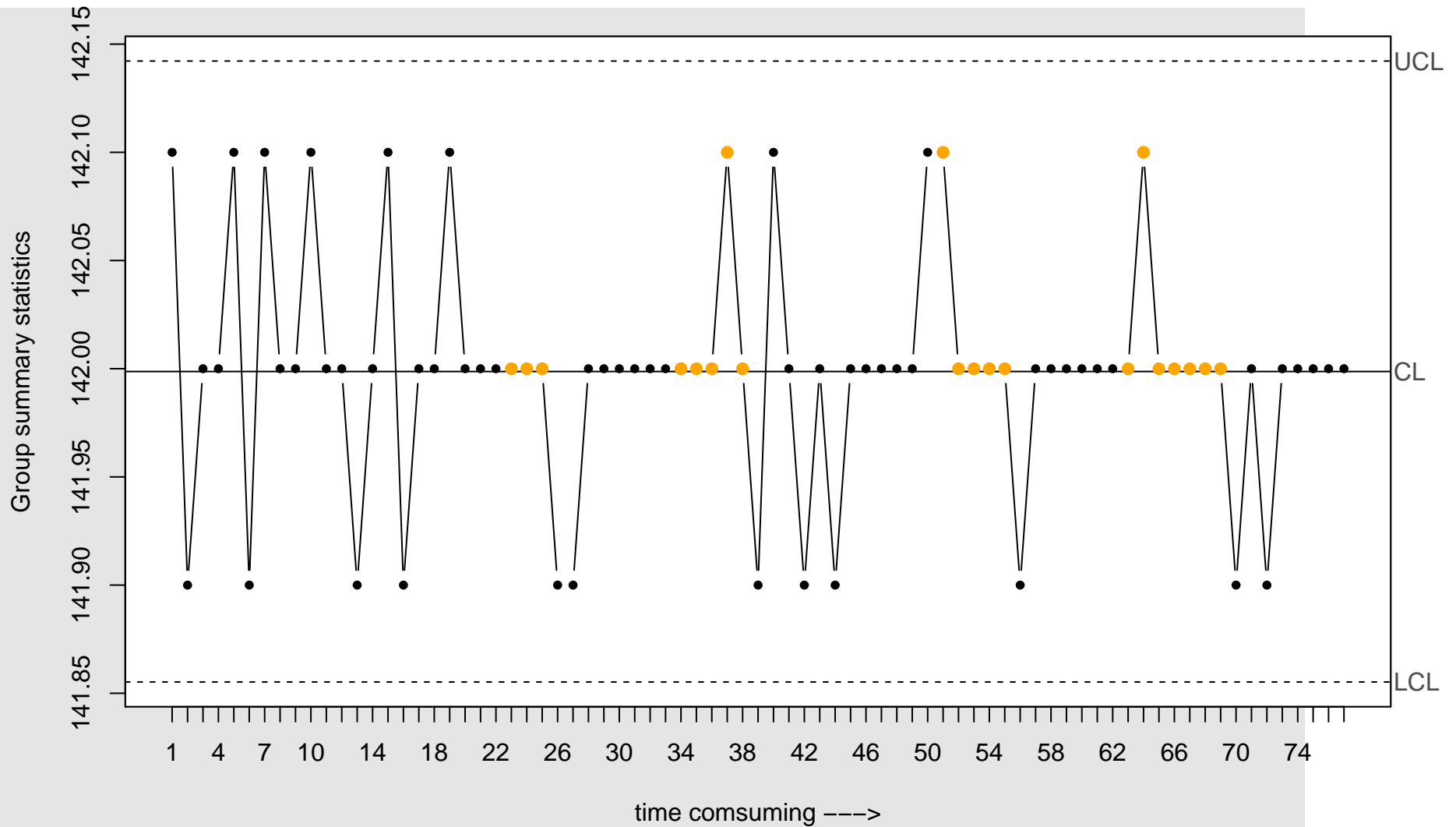


Number of groups = 77
Center = 140.0065
StdDev = 0.01983016

LCL = 139.947
UCL = 140.066

Number beyond limits = 9
Number violating runs = 38

2th column point of this product



Number of groups = 77

Center = 141.9987

StdDev = 0.04782568

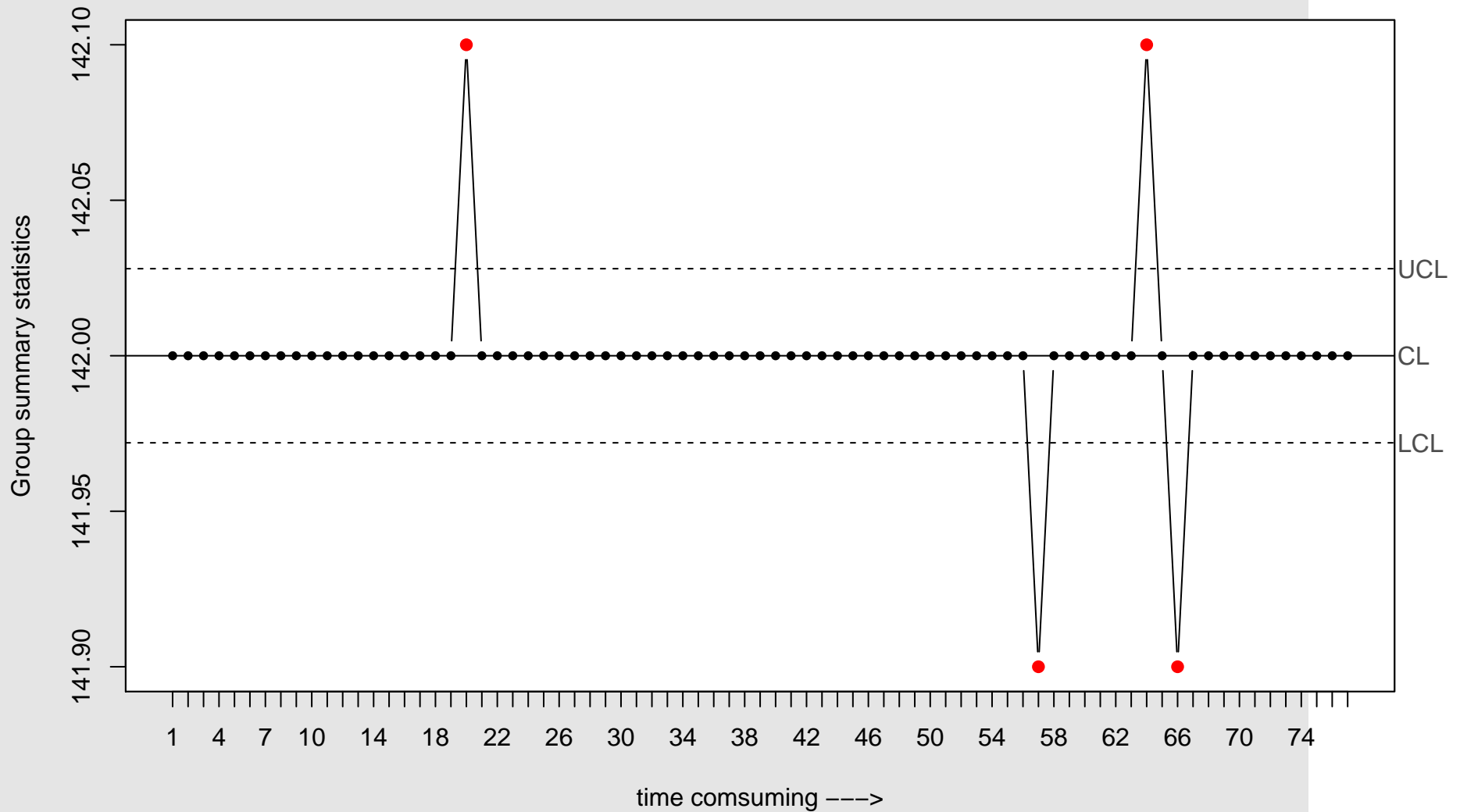
LCL = 141.8552

UCL = 142.1422

Number beyond limits = 0

Number violating runs = 20

3th column point of this product



Number of groups = 77

Center = 142

StdDev = 0.00933184

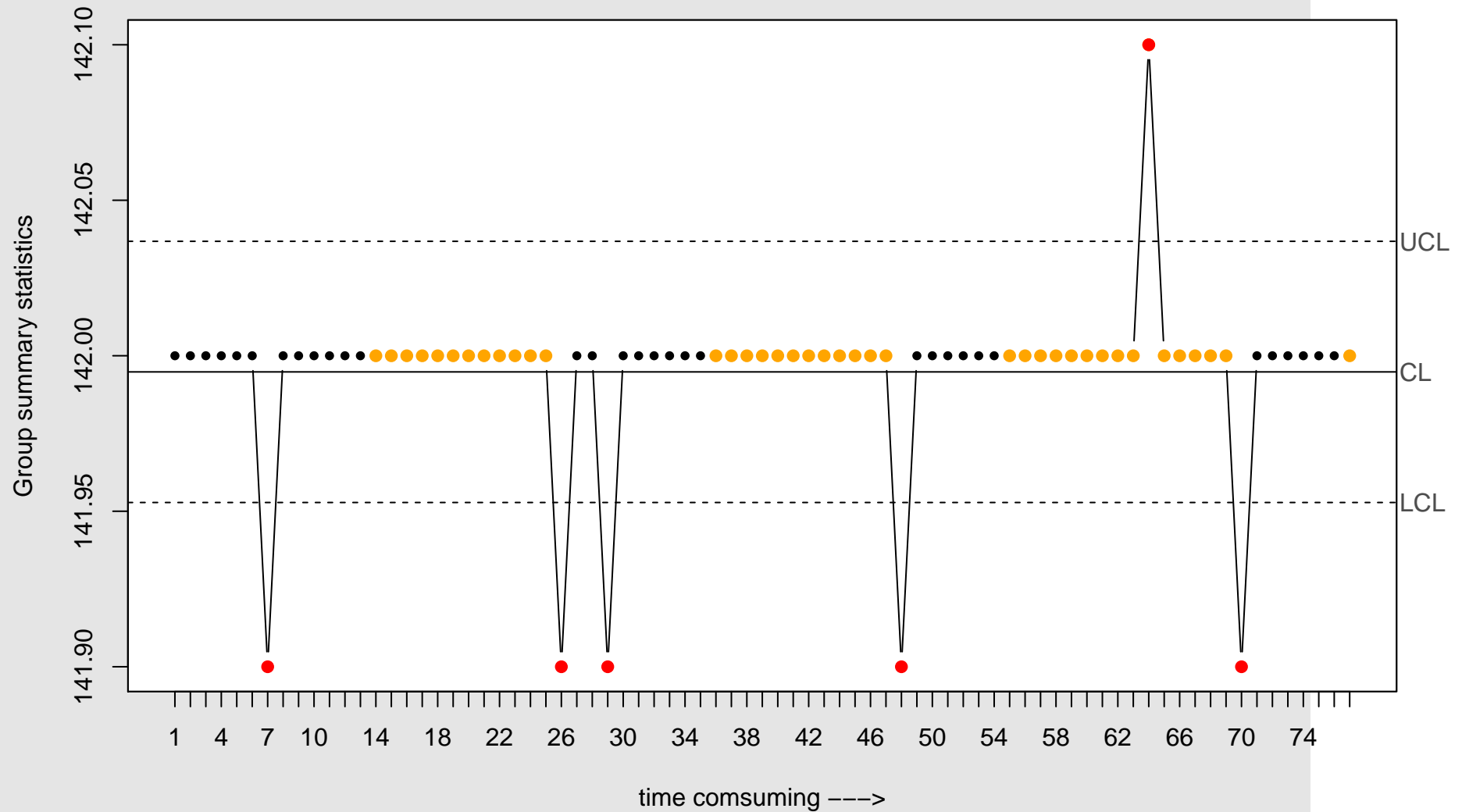
LCL = 141.972

UCL = 142.028

Number beyond limits = 4

Number violating runs = 0

4th column point of this product

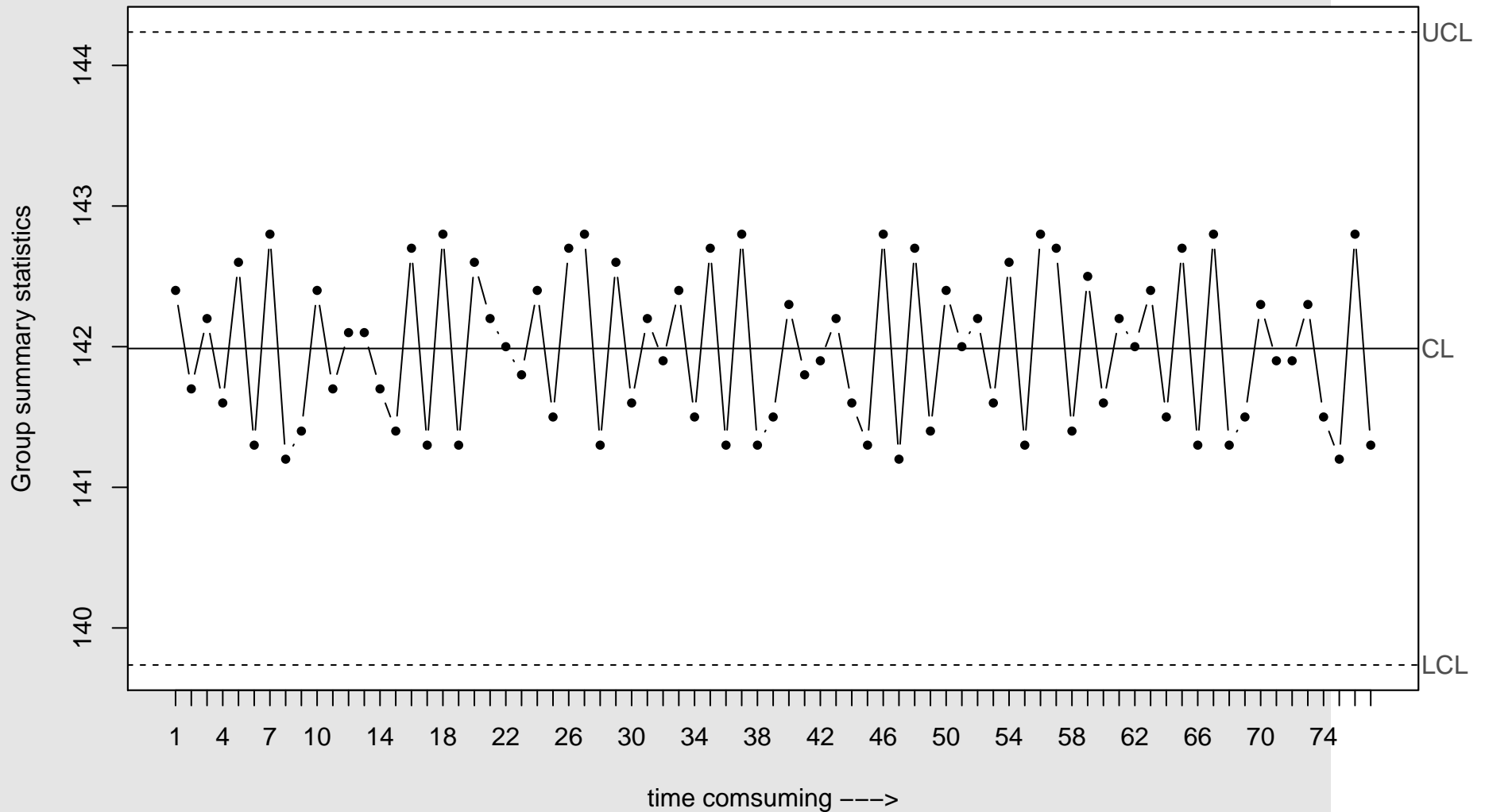


Number of groups = 77
Center = 141.9948
StdDev = 0.01399776

LCL = 141.9528
UCL = 142.0368

Number beyond limits = 6
Number violating runs = 40

5th column point of this product

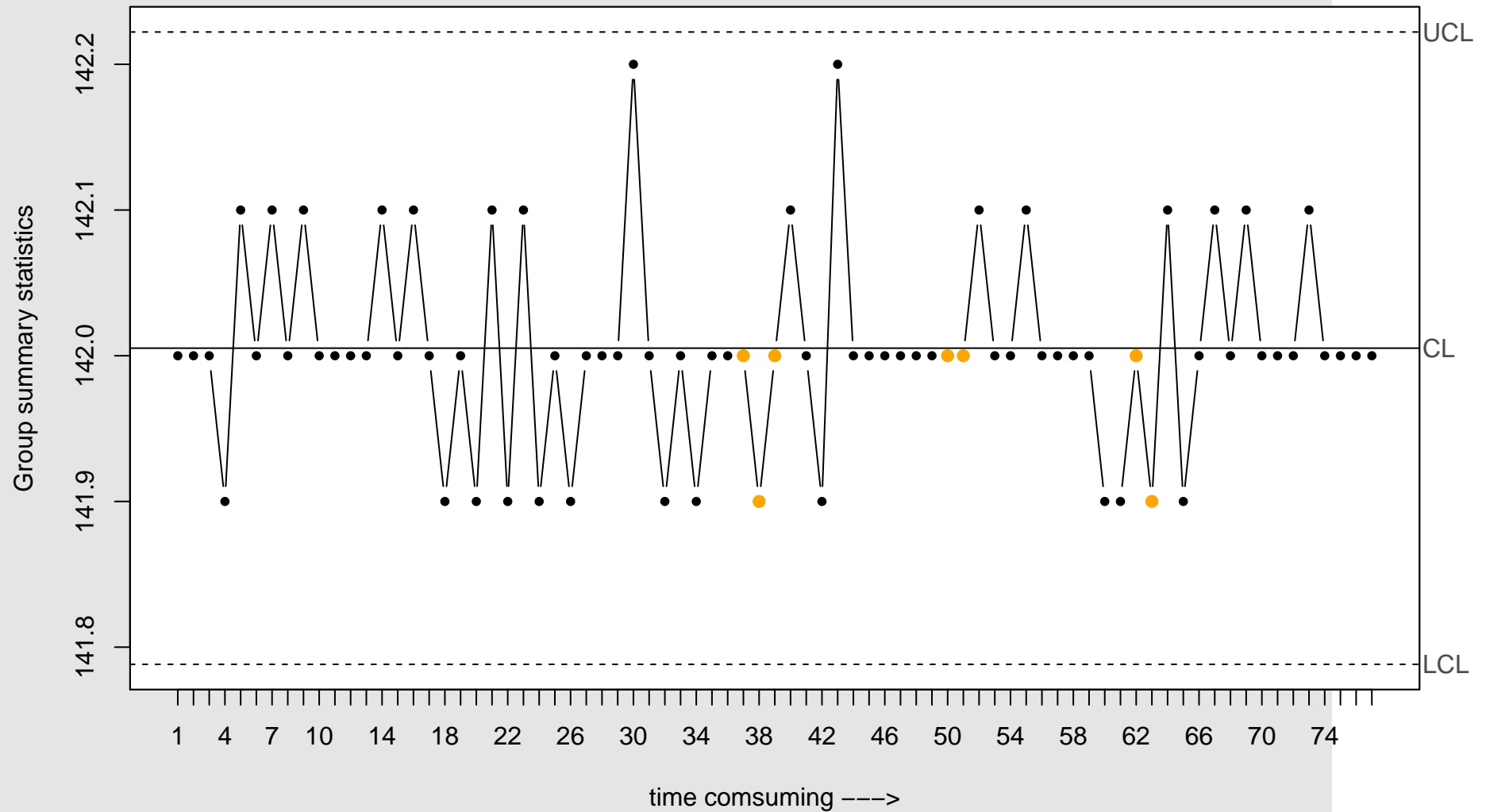


Number of groups = 77
Center = 141.987
StdDev = 0.7500467

LCL = 139.7369
UCL = 144.2372

Number beyond limits = 0
Number violating runs = 0

6th column point of this product

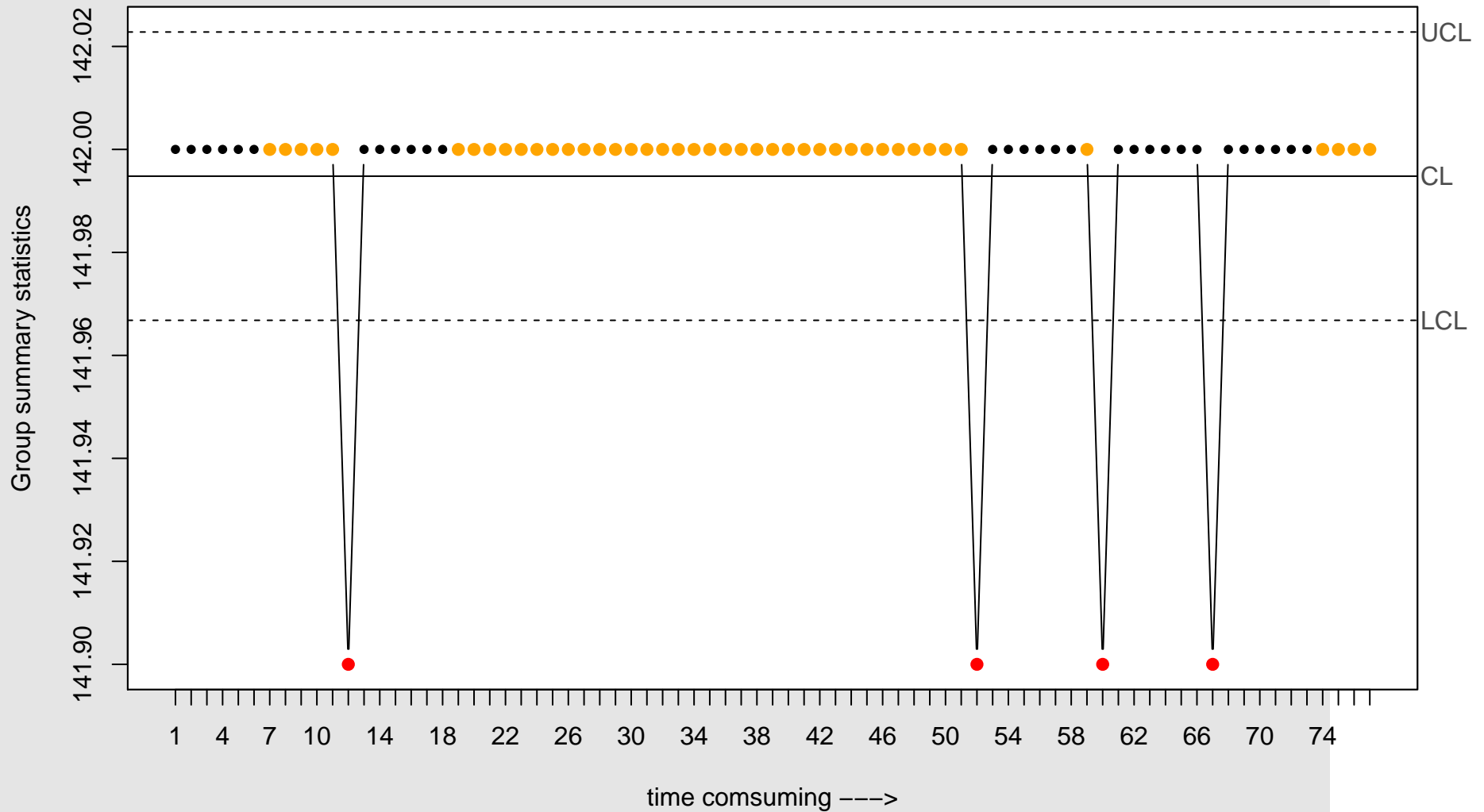


Number of groups = 77
Center = 142.0052
StdDev = 0.07232176

LCL = 141.7882
UCL = 142.2222

Number beyond limits = 0
Number violating runs = 7

7th column point of this product

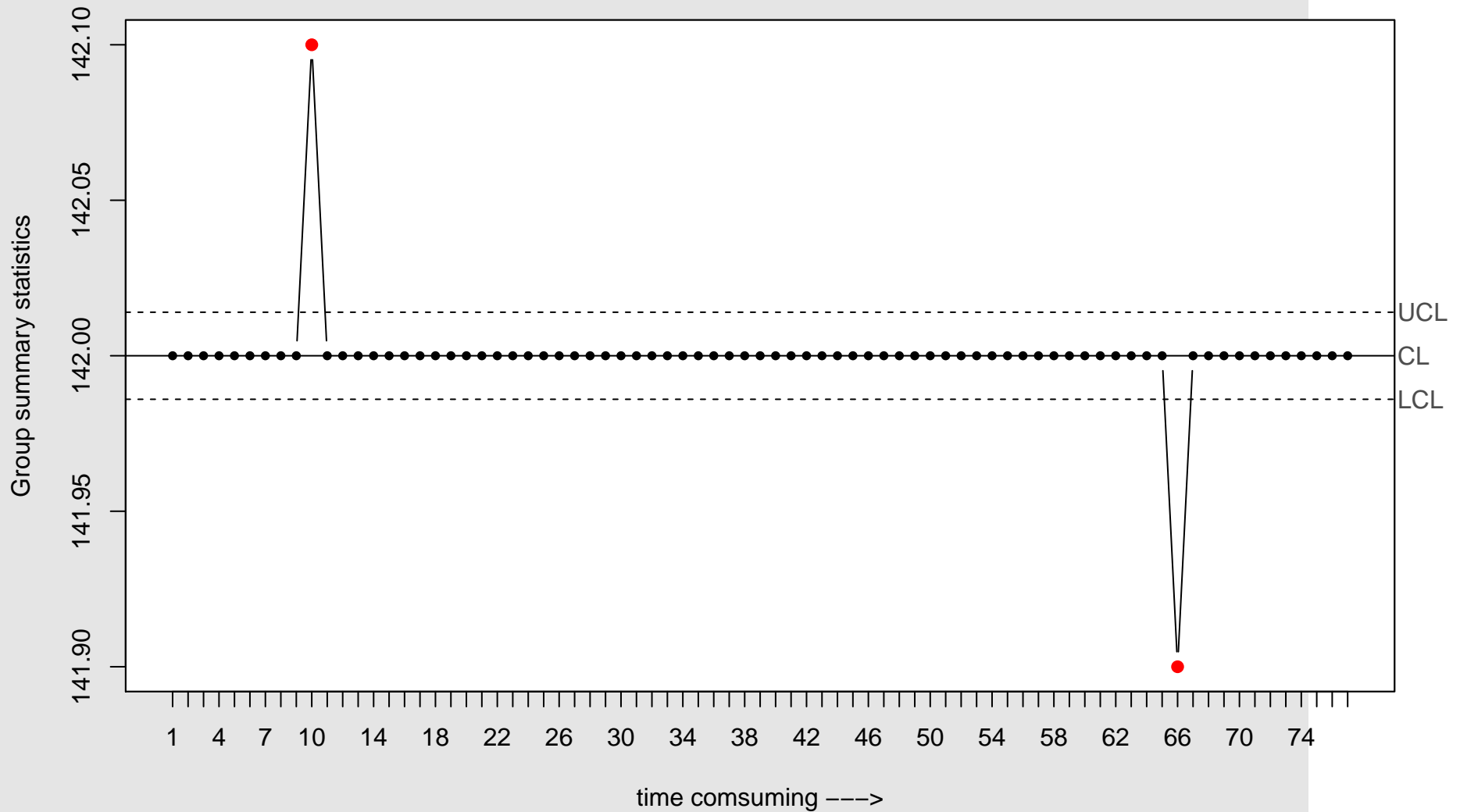


Number of groups = 77
Center = 141.9948
StdDev = 0.00933184

LCL = 141.9668
UCL = 142.0228

Number beyond limits = 4
Number violating runs = 43

8th column point of this product



Number of groups = 77

Center = 142

StdDev = 0.00466592

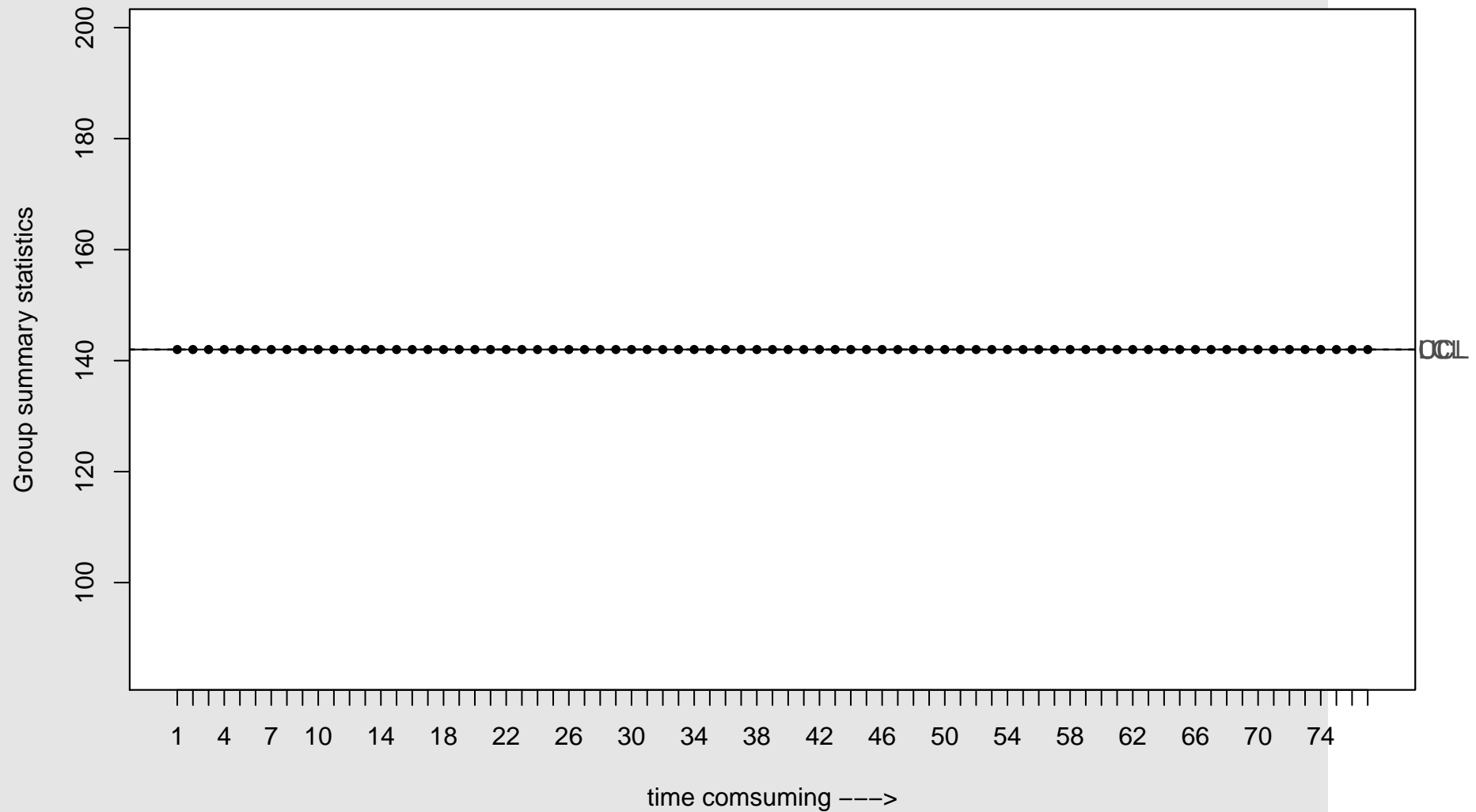
LCL = 141.986

UCL = 142.014

Number beyond limits = 2

Number violating runs = 0

9th column point of this product



Number of groups = 77

Center = 142

StdDev = 0

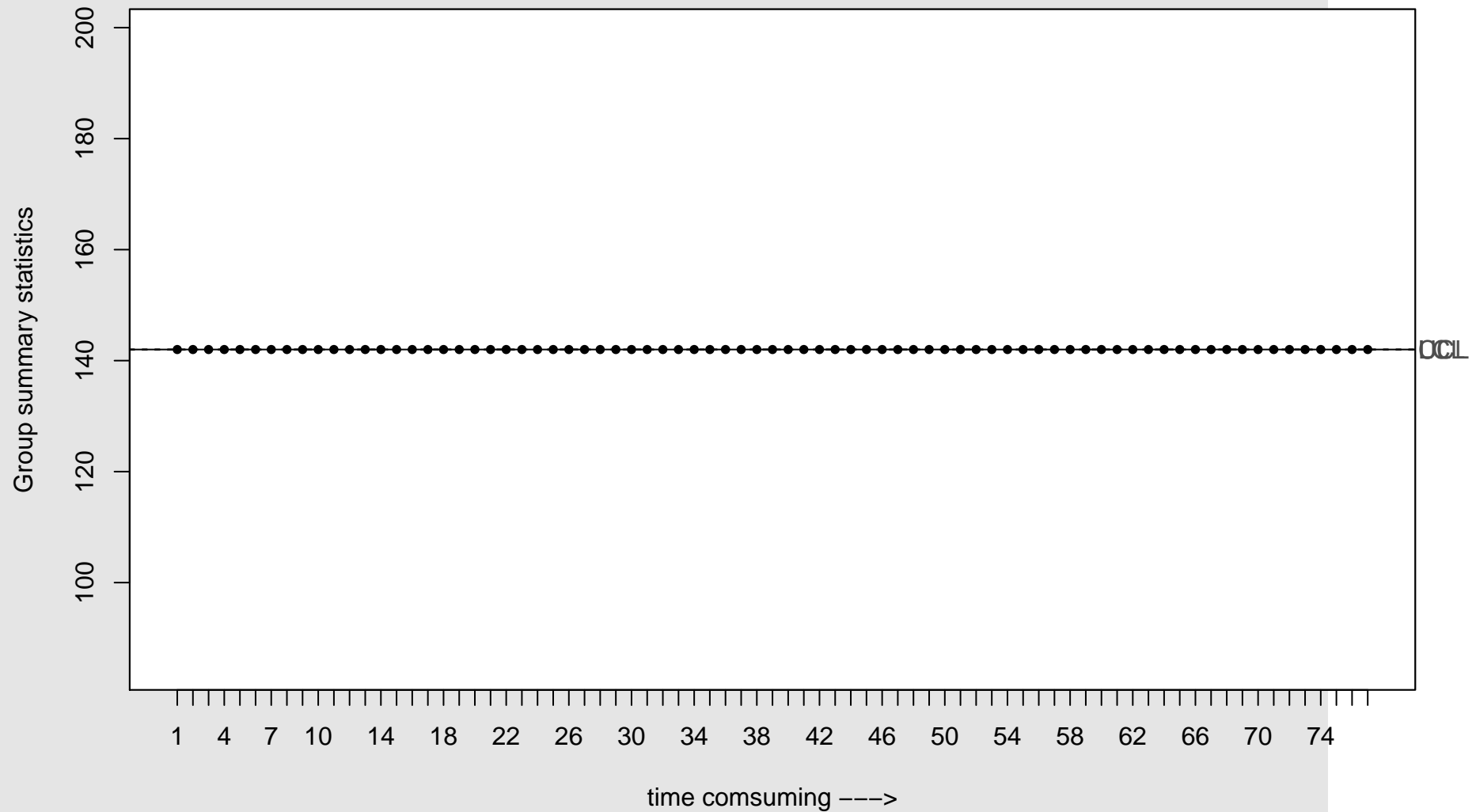
LCL = 142

UCL = 142

Number beyond limits = 0

Number violating runs = 0

10th column point of this product



Number of groups = 77

Center = 142

StdDev = 0

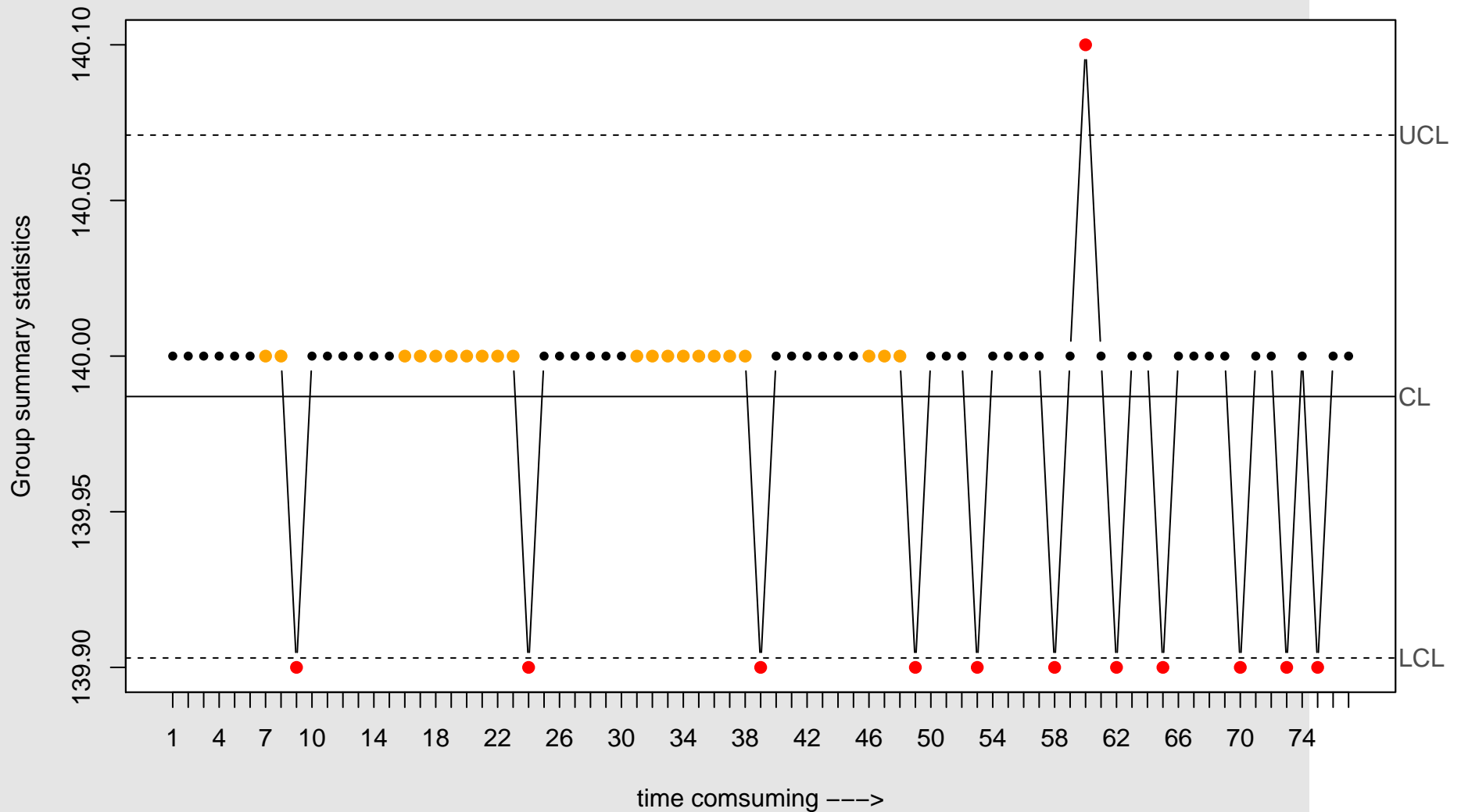
LCL = 142

UCL = 142

Number beyond limits = 0

Number violating runs = 0

11th column point of this product

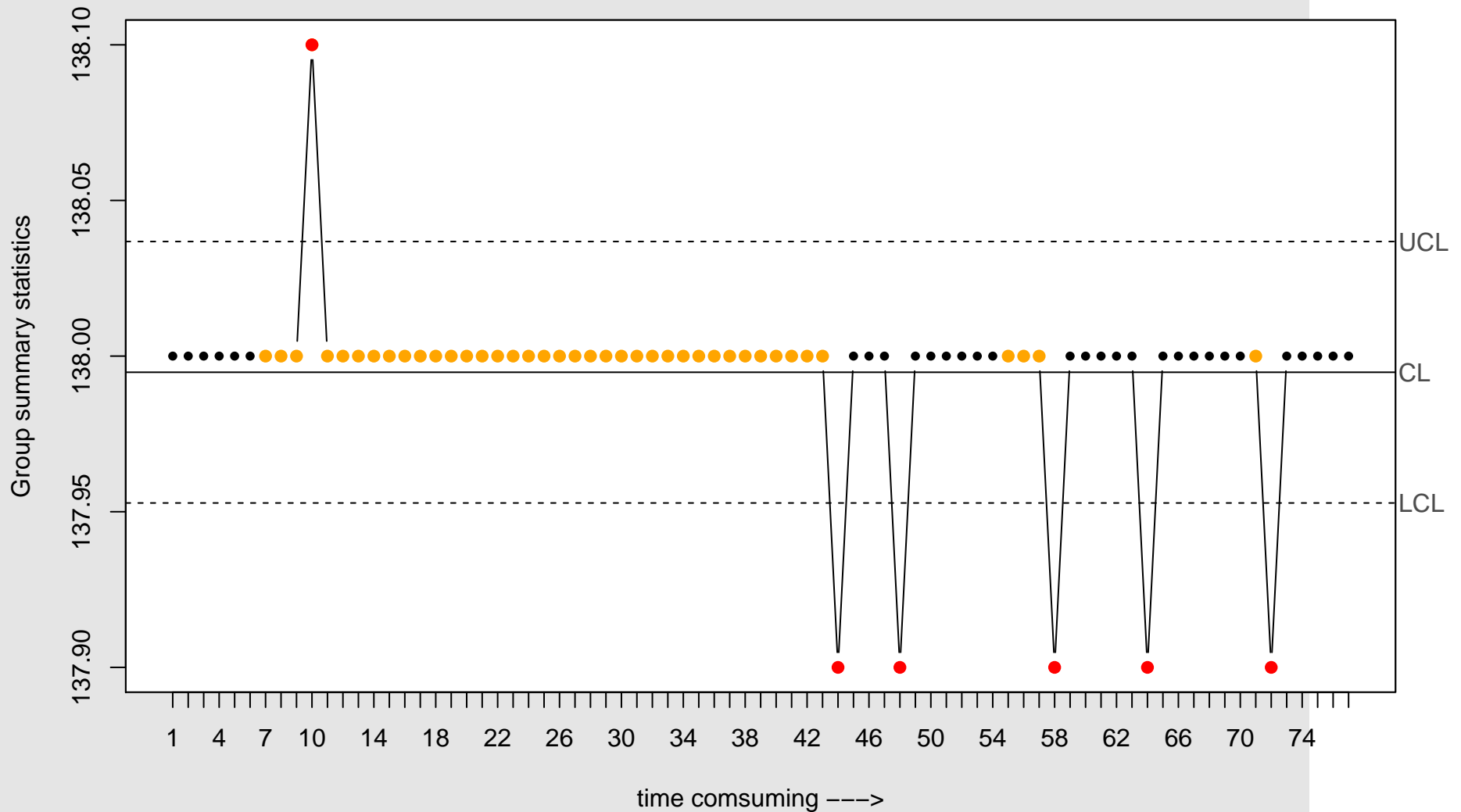


Number of groups = 77
Center = 139.987
StdDev = 0.02799552

LCL = 139.903
UCL = 140.071

Number beyond limits = 12
Number violating runs = 21

12th column point of this product



Number of groups = 77

Center = 137.9948

StdDev = 0.01399776

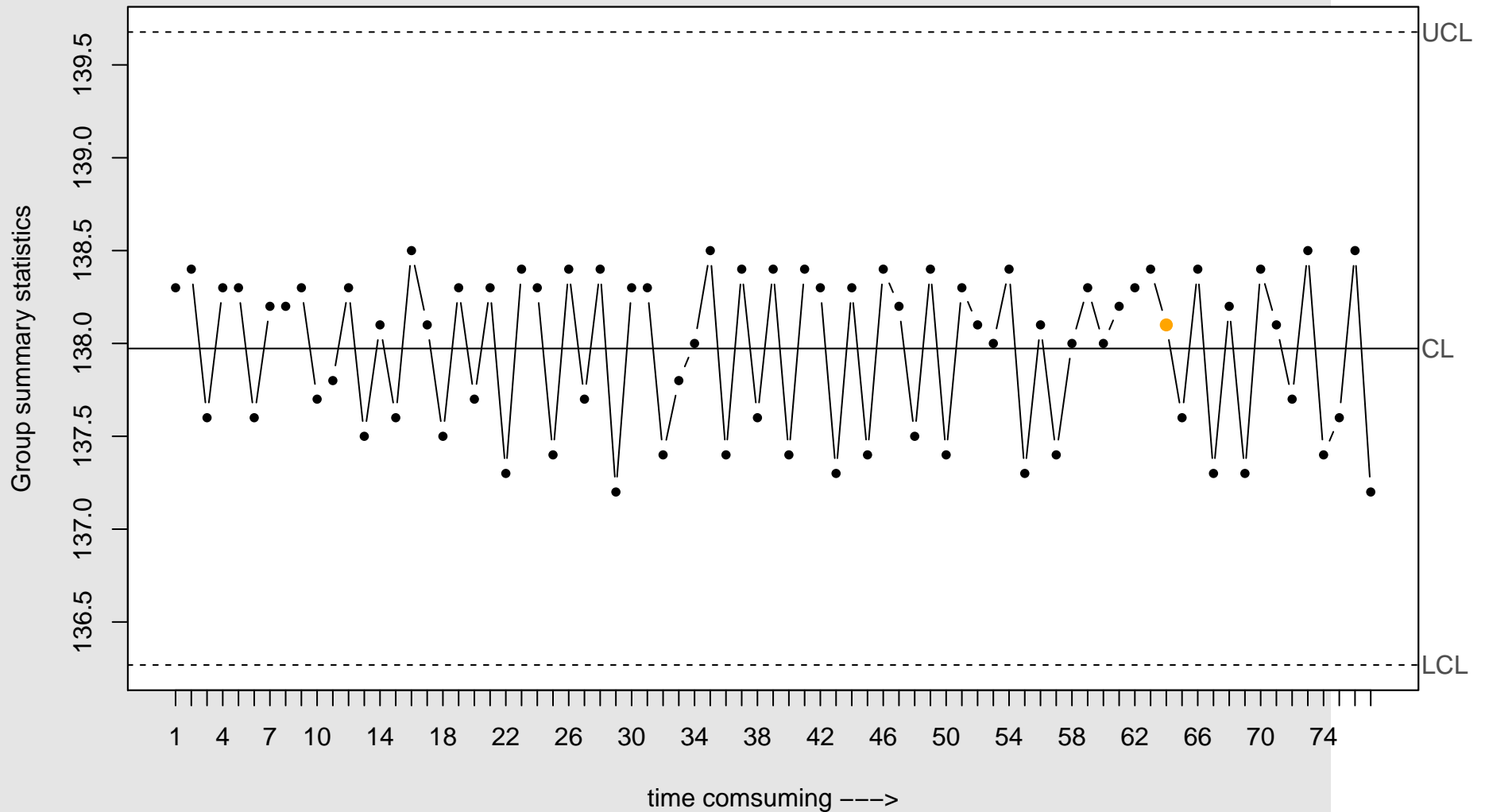
LCL = 137.9528

UCL = 138.0368

Number beyond limits = 6

Number violating runs = 41

13th column point of this product



Number of groups = 77

Center = 137.9727

StdDev = 0.5680758

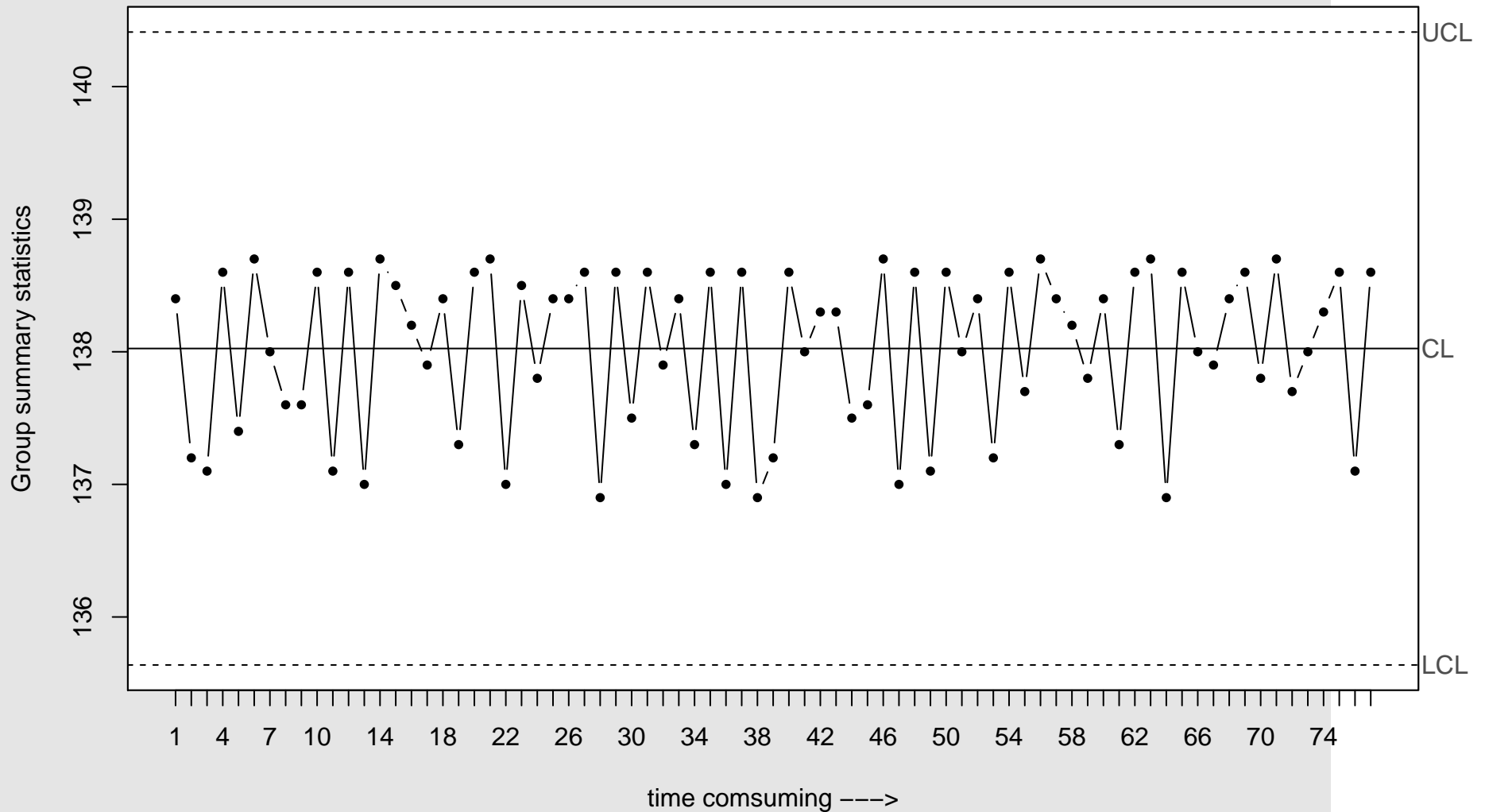
LCL = 136.2685

UCL = 139.677

Number beyond limits = 0

Number violating runs = 1

14th column point of this product



Number of groups = 77

Center = 138.0247

StdDev = 0.7955394

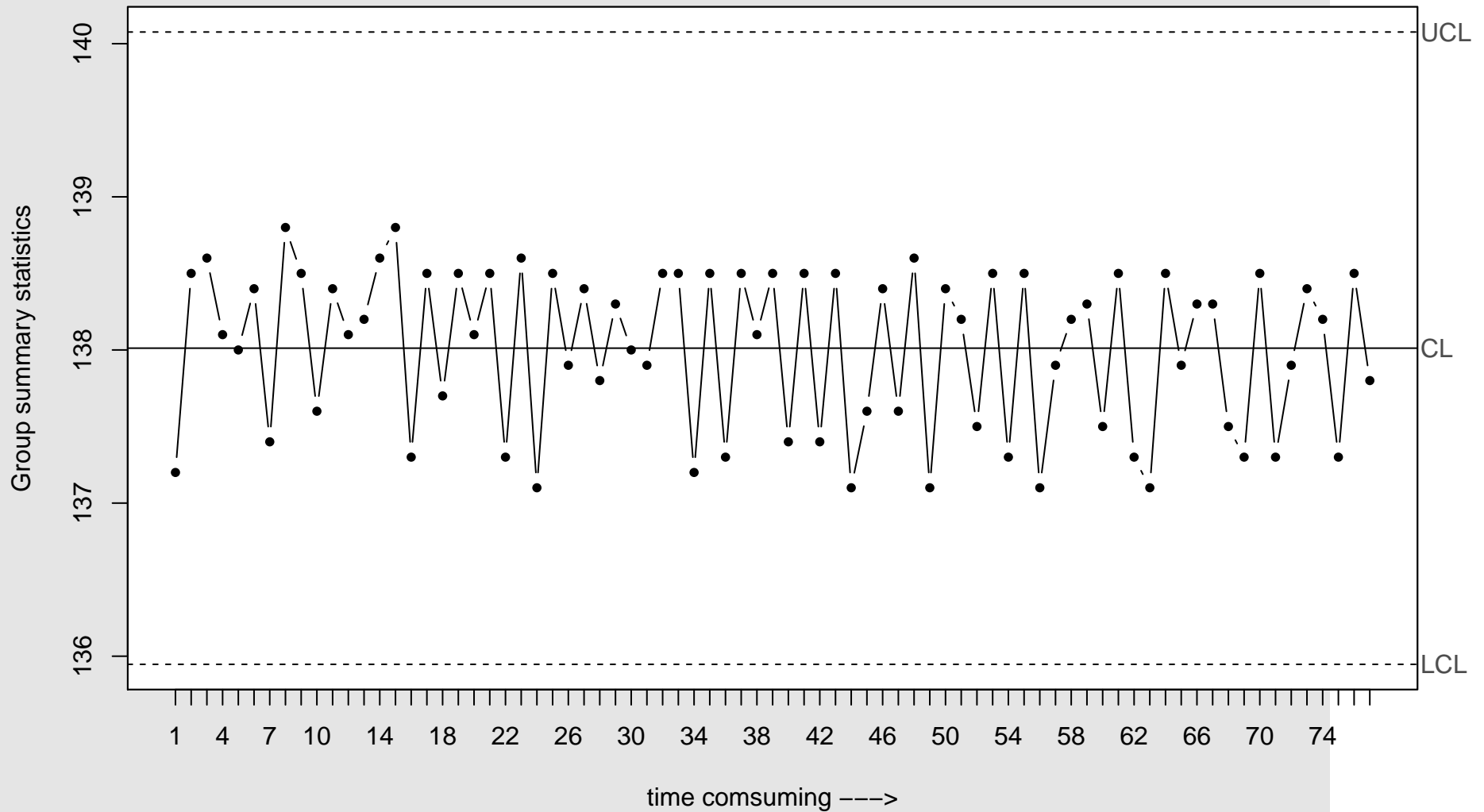
LCL = 135.6381

UCL = 140.4113

Number beyond limits = 0

Number violating runs = 0

15th column point of this product



Number of groups = 77

Center = 138.0117

StdDev = 0.6882232

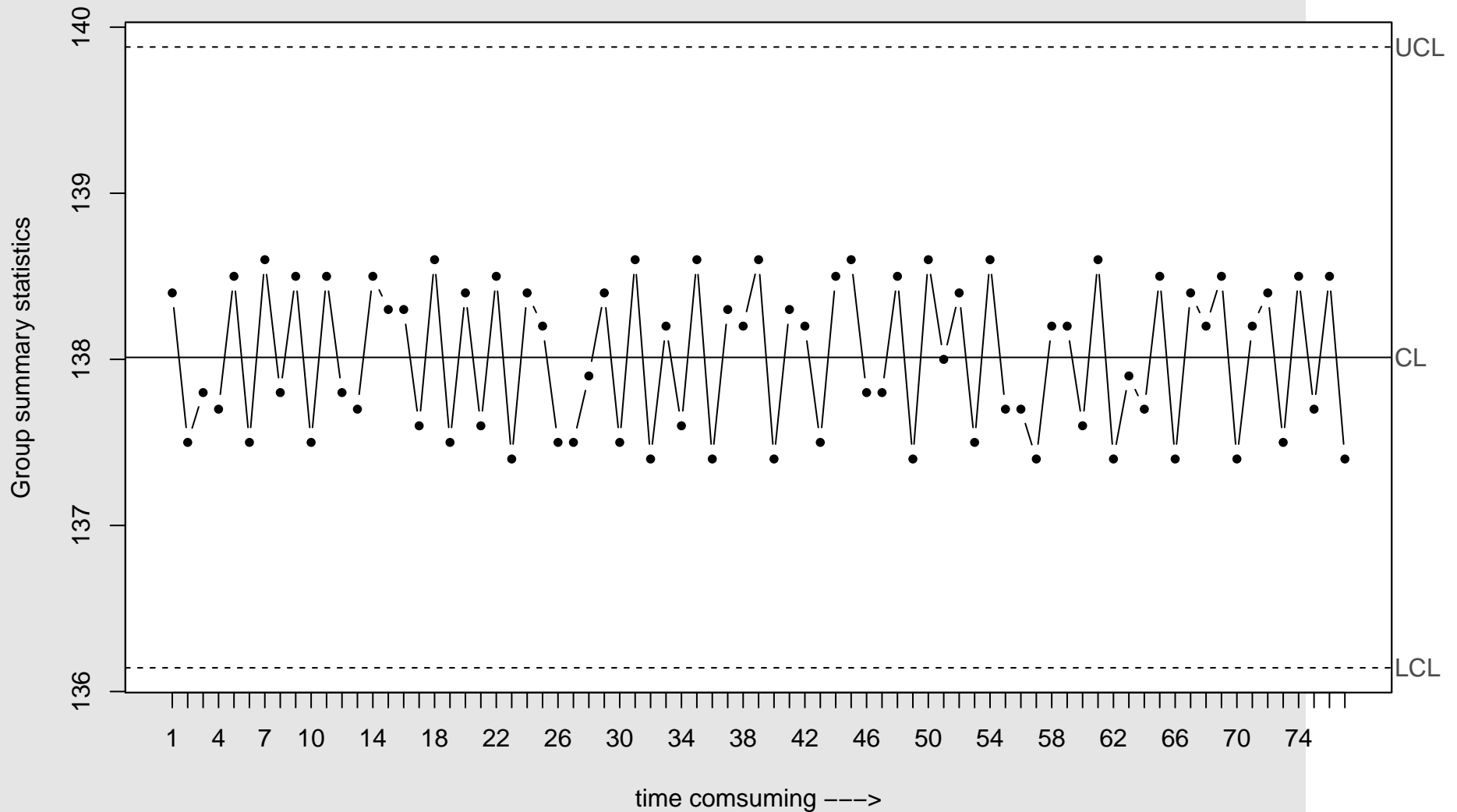
LCL = 135.947

UCL = 140.0764

Number beyond limits = 0

Number violating runs = 0

16th column point of this product



Number of groups = 77

Center = 138.0117

StdDev = 0.6229003

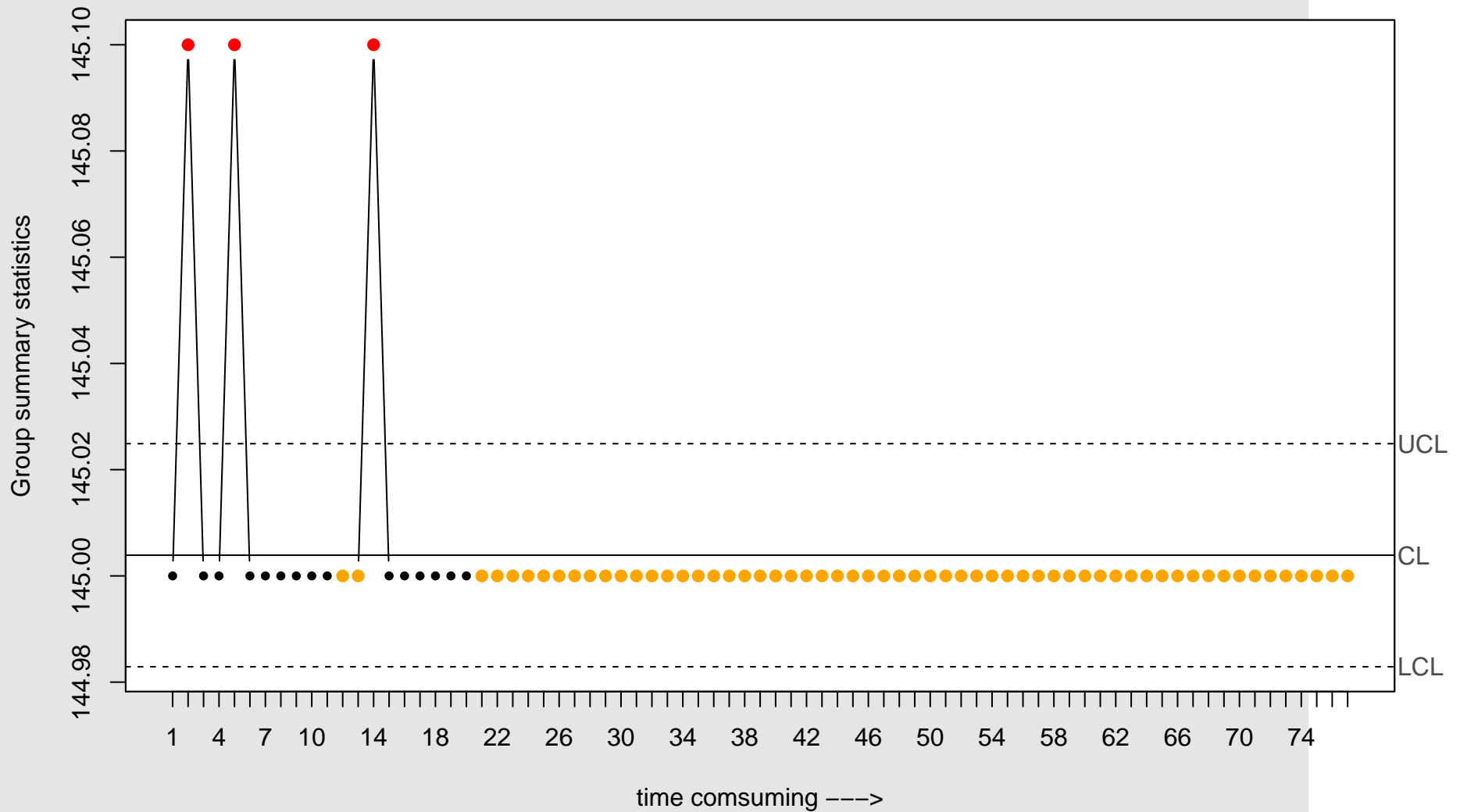
LCL = 136.143

UCL = 139.8804

Number beyond limits = 0

Number violating runs = 0

17th column point of this product

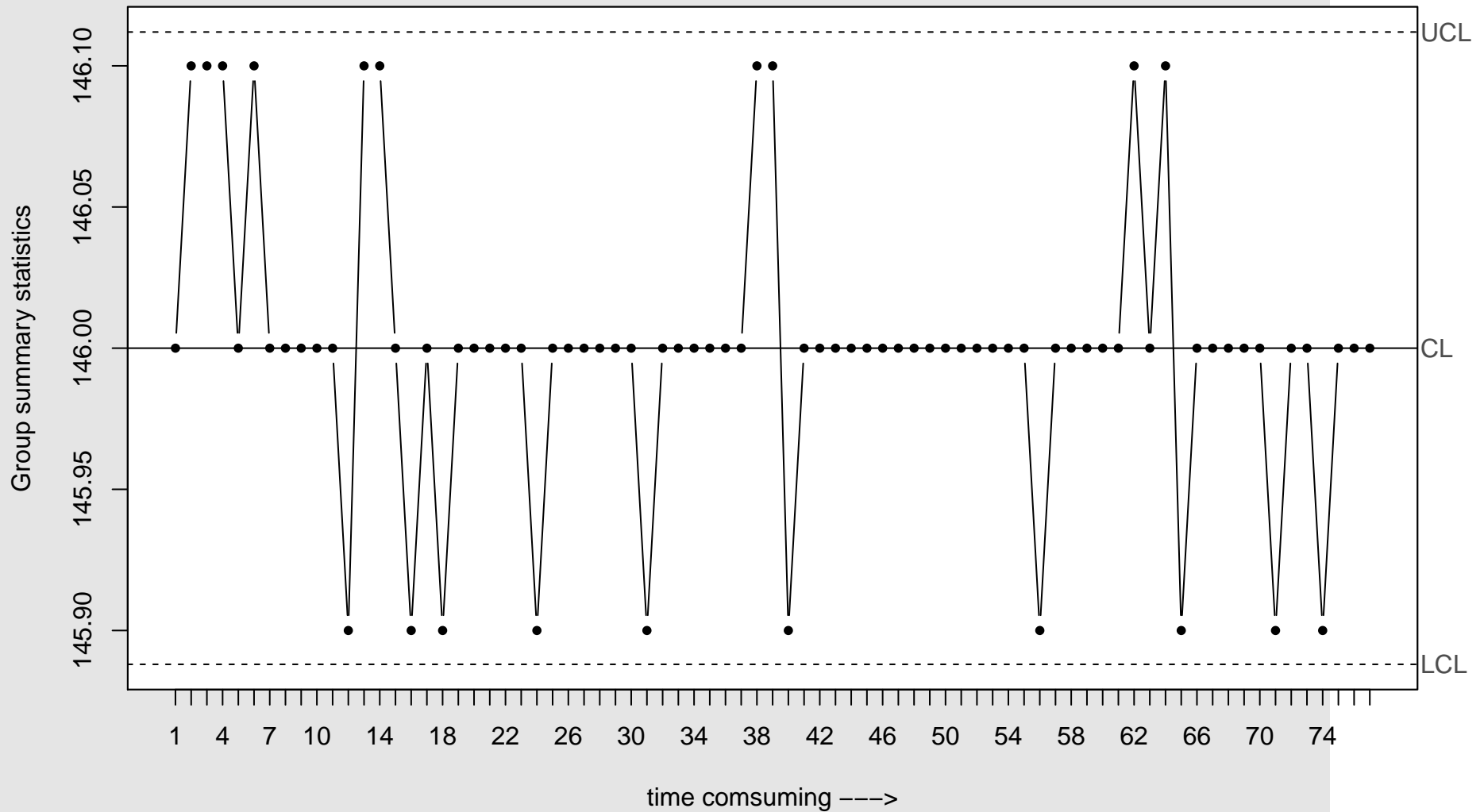


Number of groups = 77
Center = 145.0039
StdDev = 0.00699888

LCL = 144.9829
UCL = 145.0249

Number beyond limits = 3
Number violating runs = 59

18th column point of this product



Number of groups = 77

Center = 146

StdDev = 0.03732736

LCL = 145.888

UCL = 146.112

Number beyond limits = 0

Number violating runs = 0