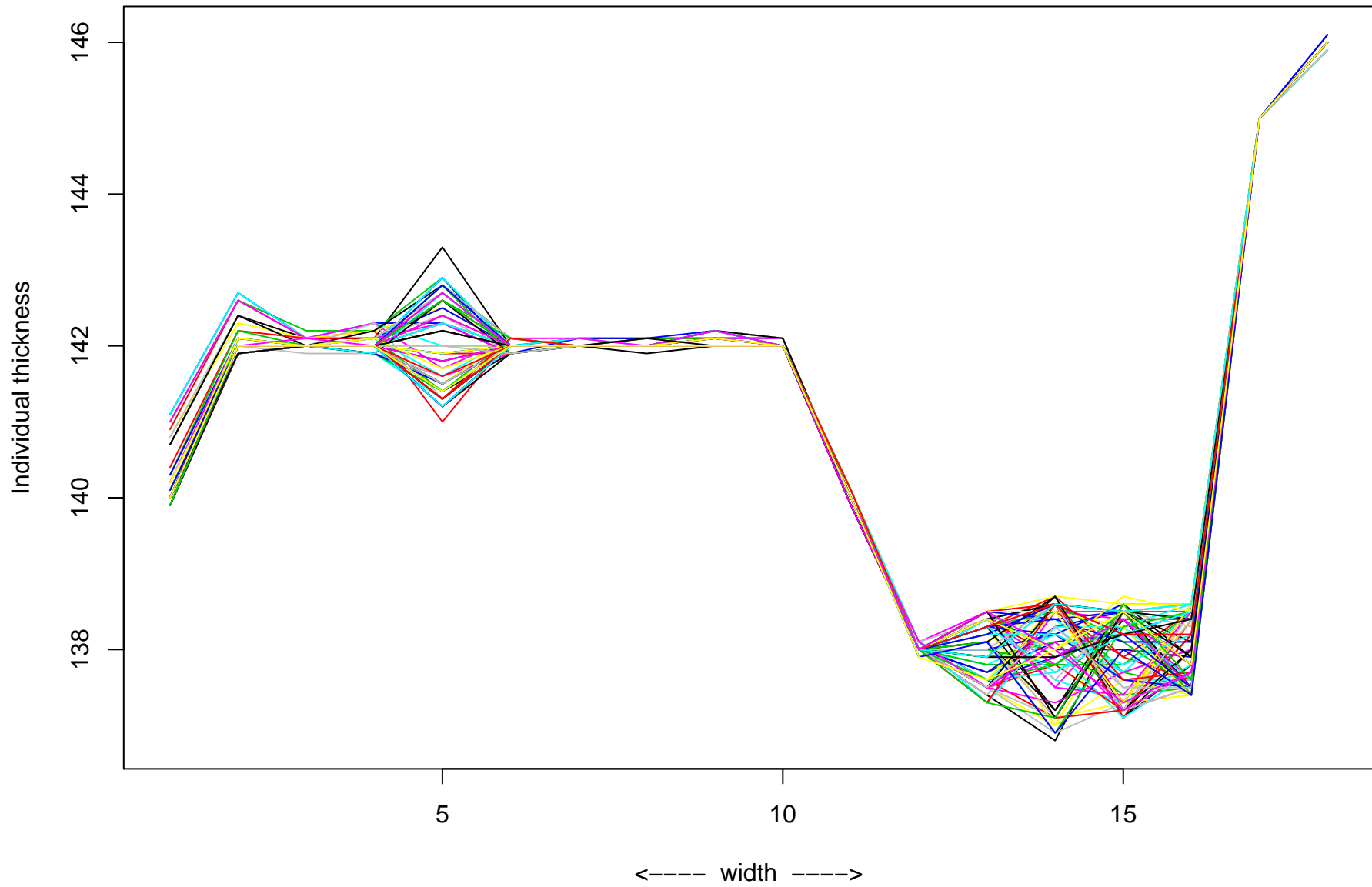
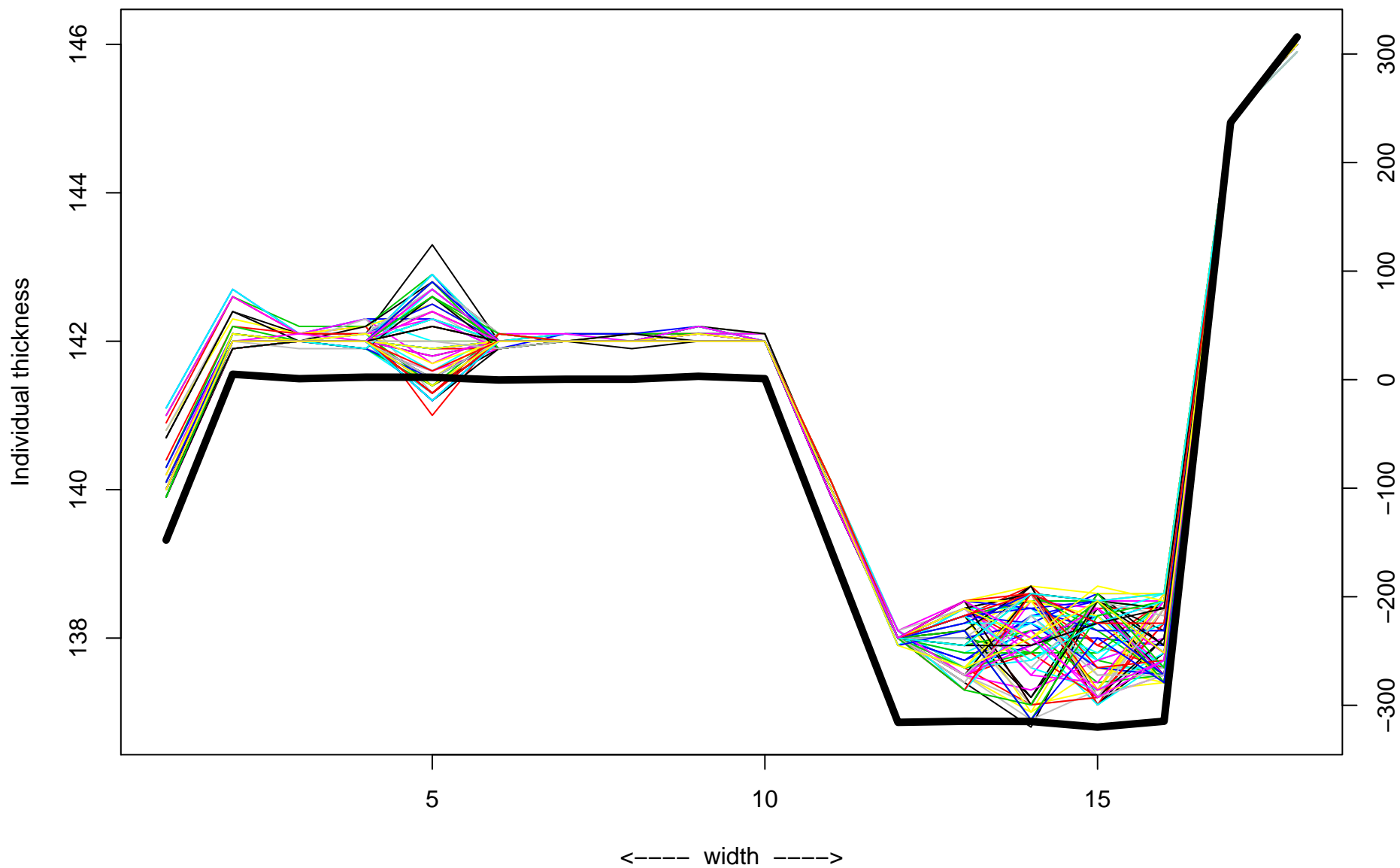


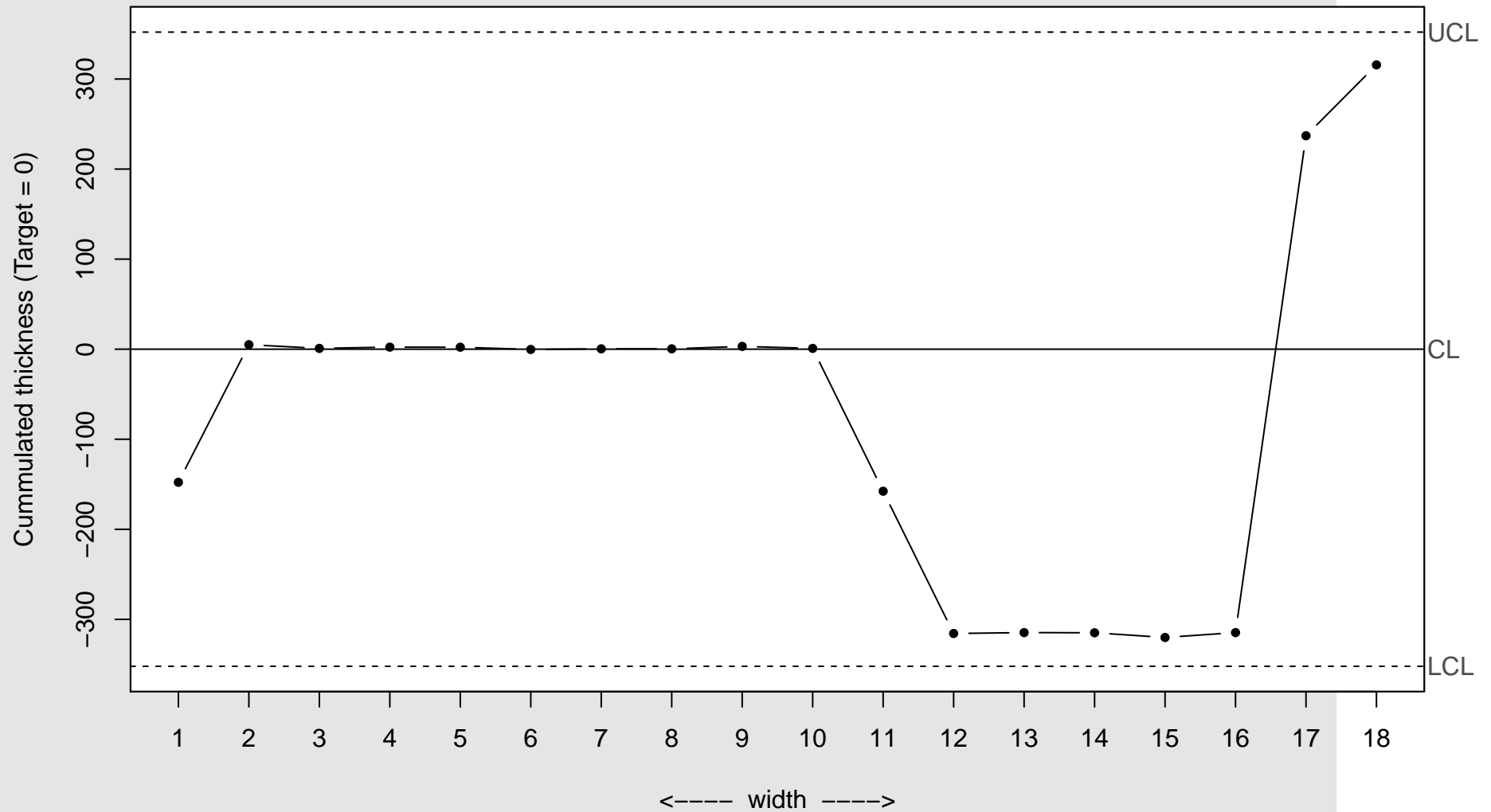
Individual thickness only



Simulated thickness



Simulated thickness



Number of groups = 18

Center = 0

StdDev = 58.68273

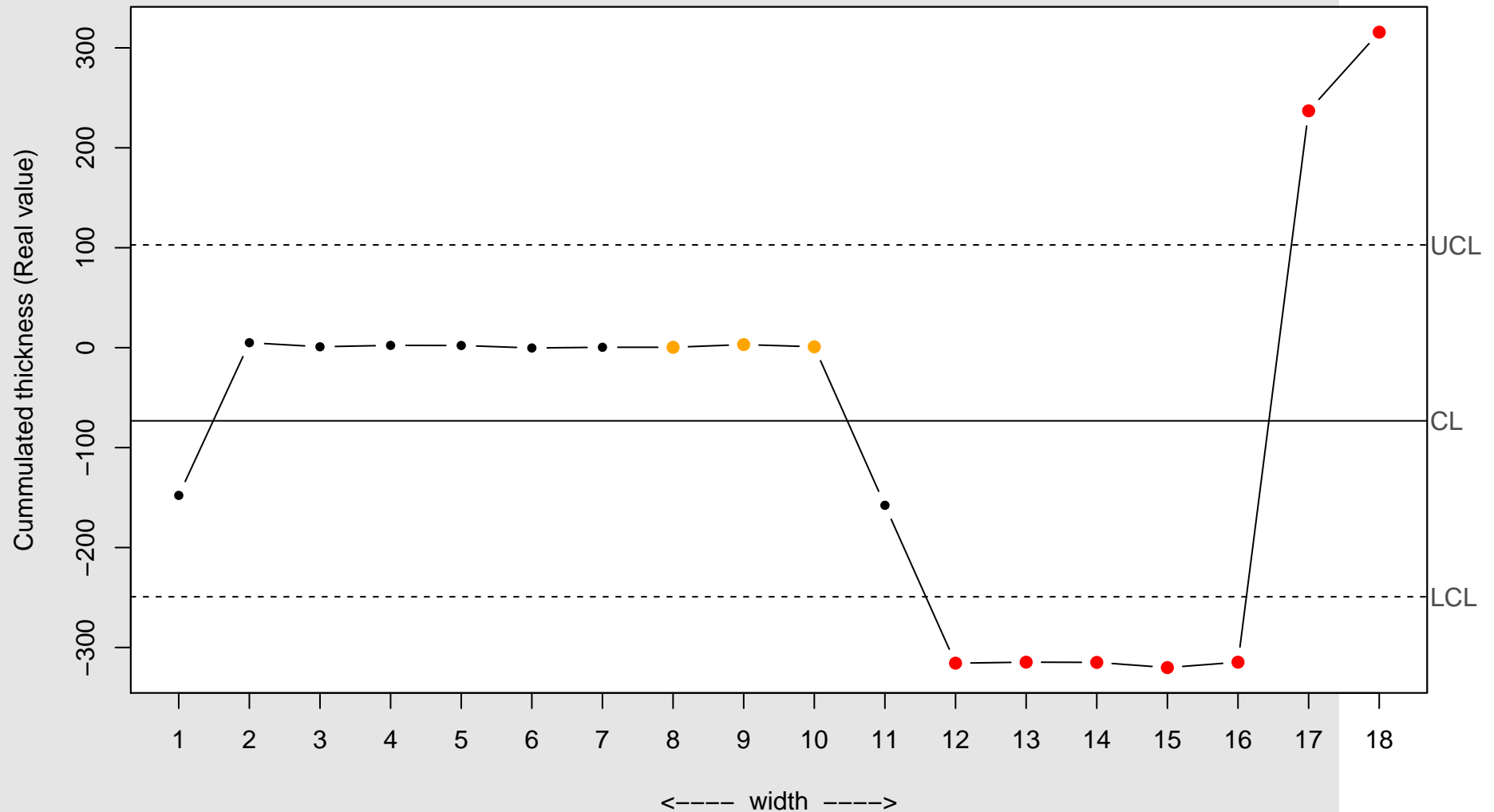
LCL = -352.0964

UCL = 352.0964

Number beyond limits = 0

Number violating runs = 0

Simulated thickness: Cpk is -0.07104 and z is -1.713 .

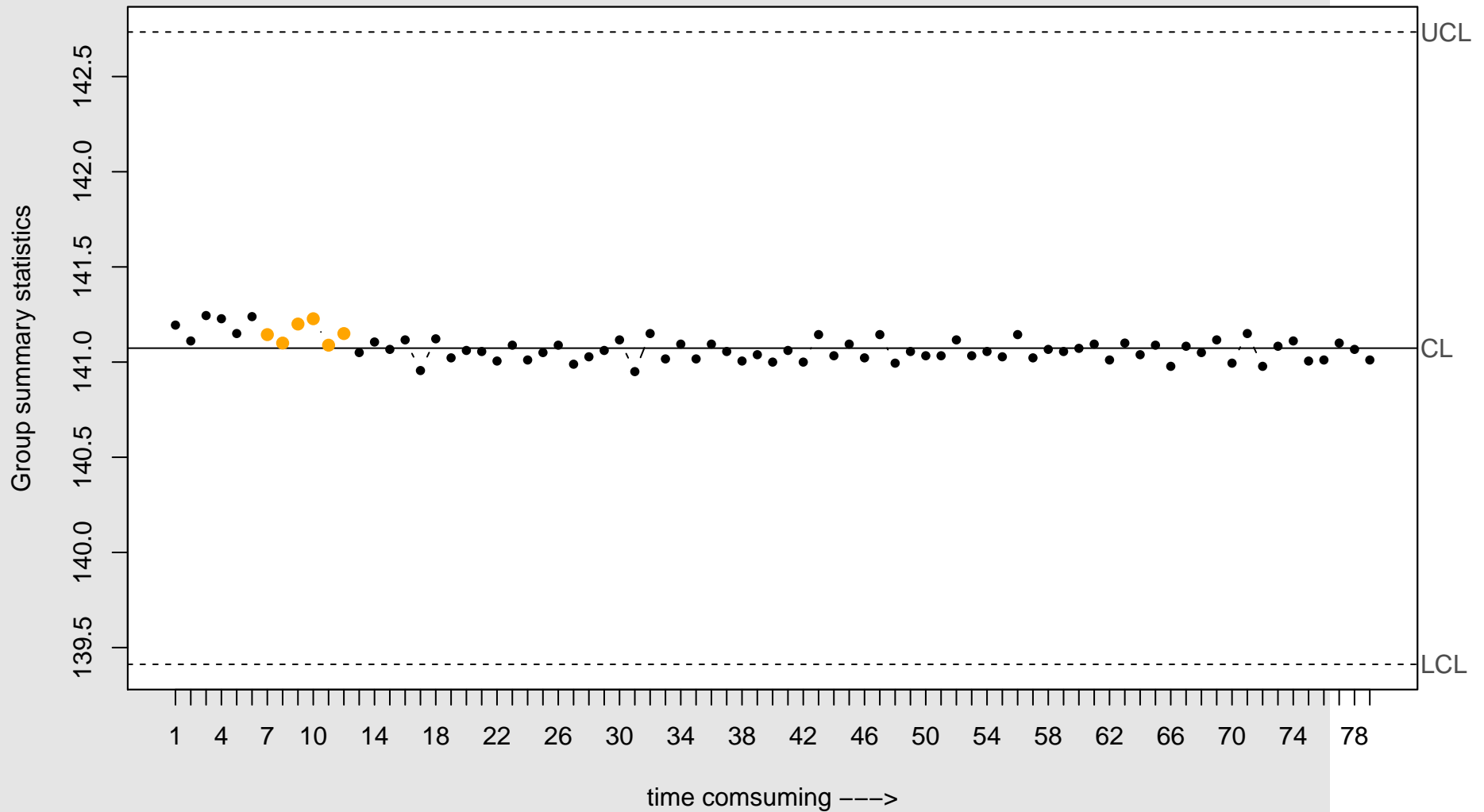


Number of groups = 18
Center = -73.22222
StdDev = 58.68273

LCL = -249.2704
UCL = 102.826

Number beyond limits = 7
Number violating runs = 3

X-bar chart for a given dataset



Number of groups = 79

Center = 141.0731

StdDev = 2.349075

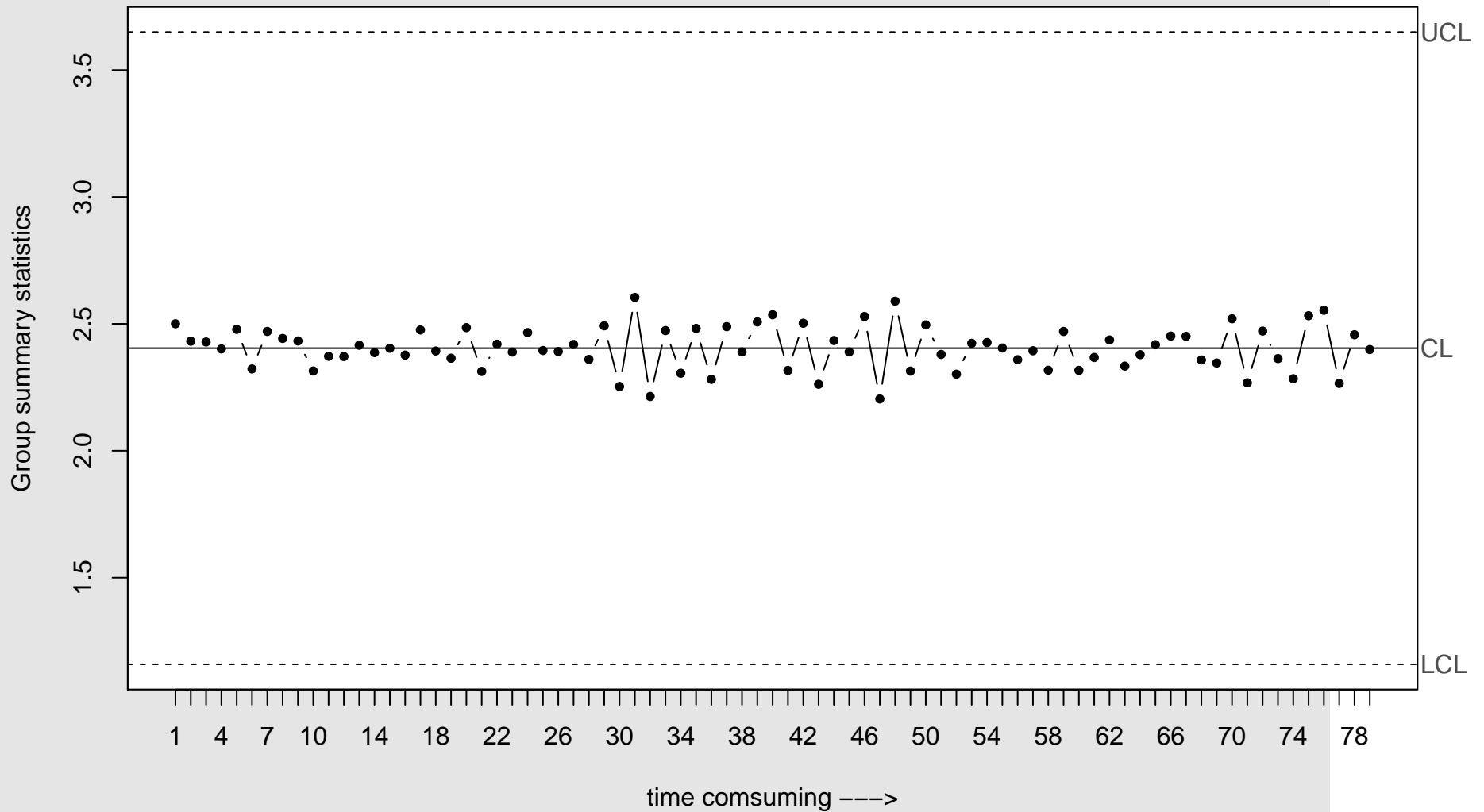
LCL = 139.4121

UCL = 142.7342

Number beyond limits = 0

Number violating runs = 6

S chart for a given dataset



Number of groups = 79

Center = 2.404178

StdDev = 2.439774

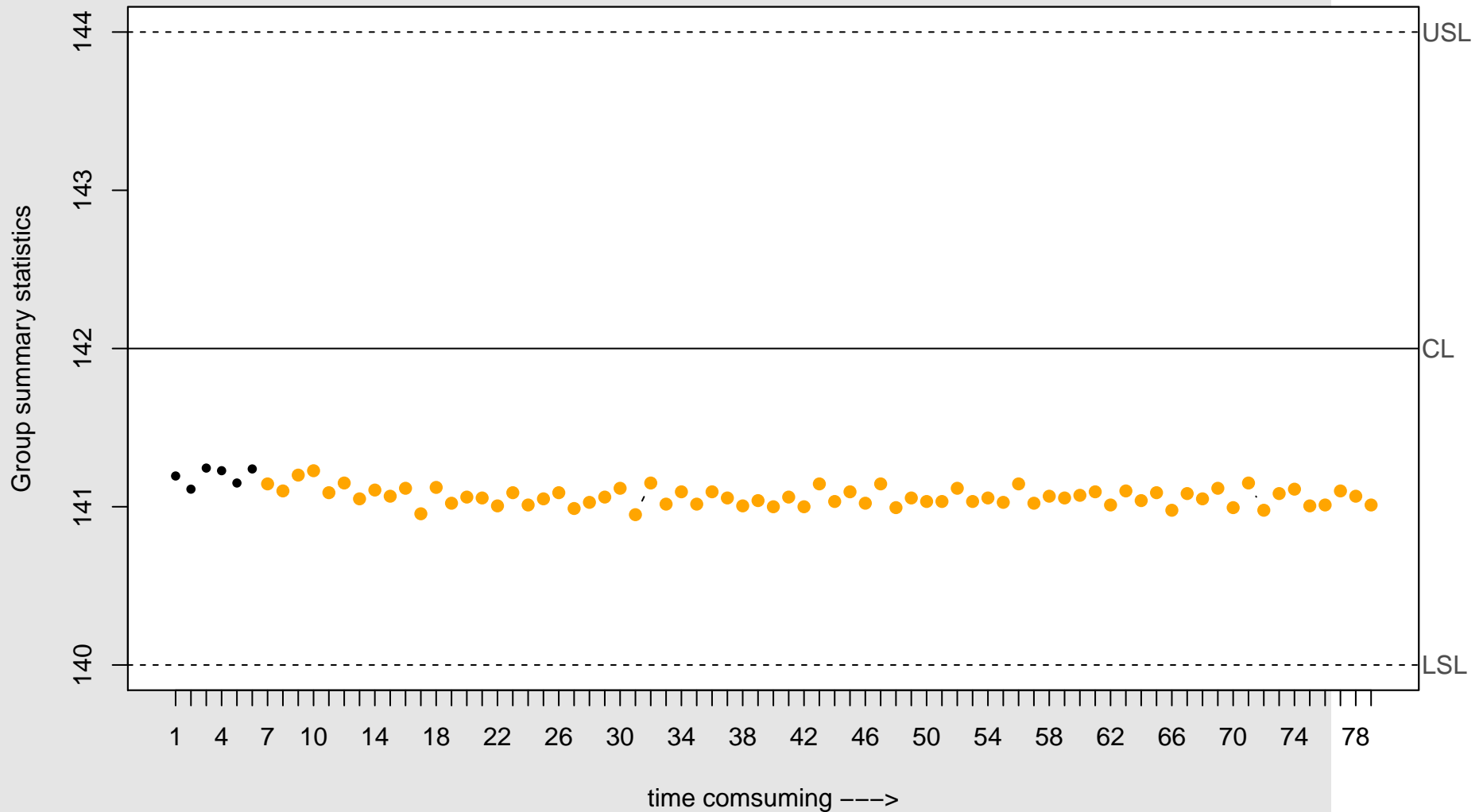
LCL = 1.158451

UCL = 3.649905

Number beyond limits = 0

Number violating runs = 0

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



Number of groups = 79

Center = 142

StdDev = 2.349075

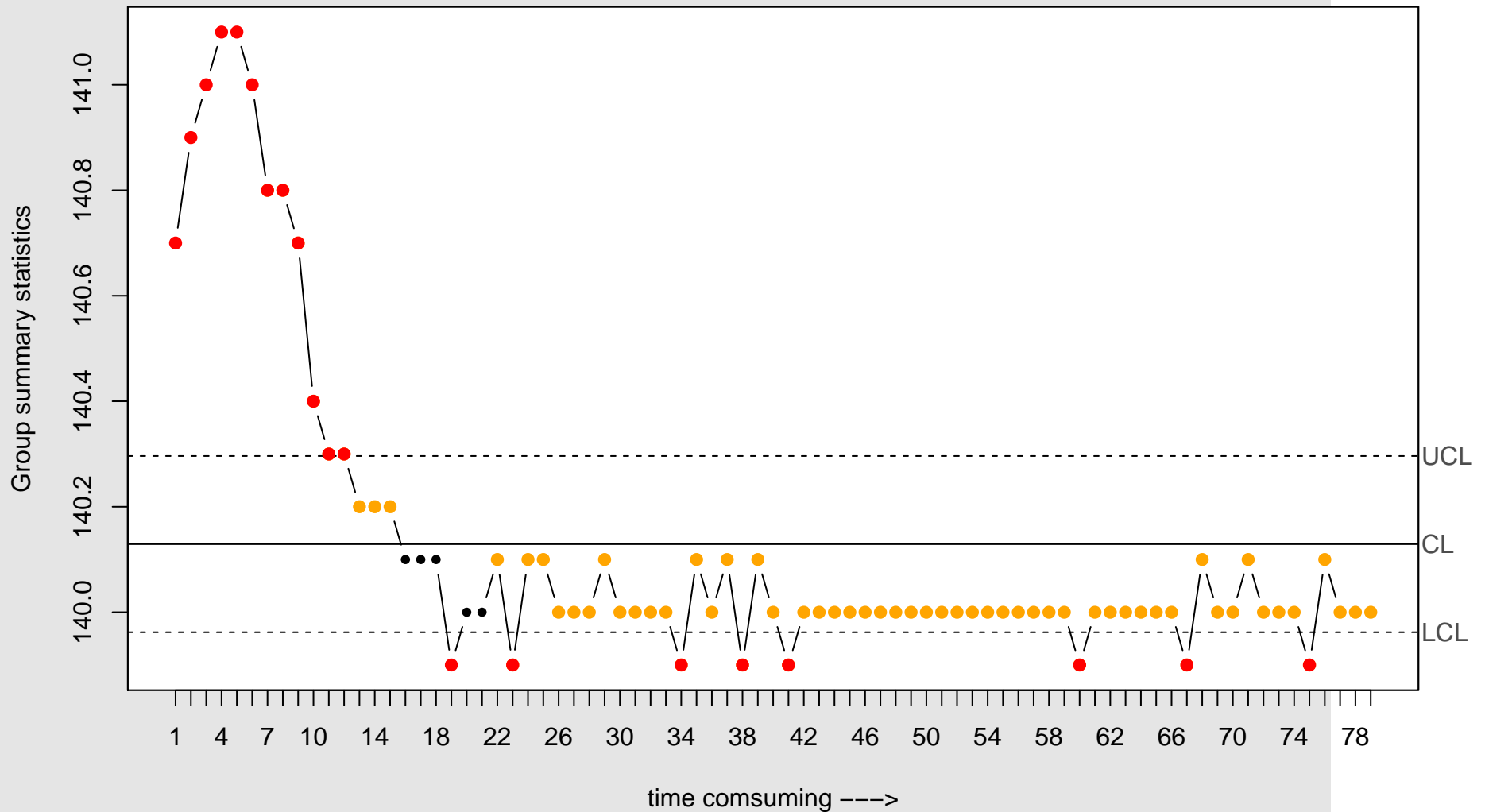
LCL = 140

UCL = 144

Number beyond limits = 0

Number violating runs = 73

1th column point of this product

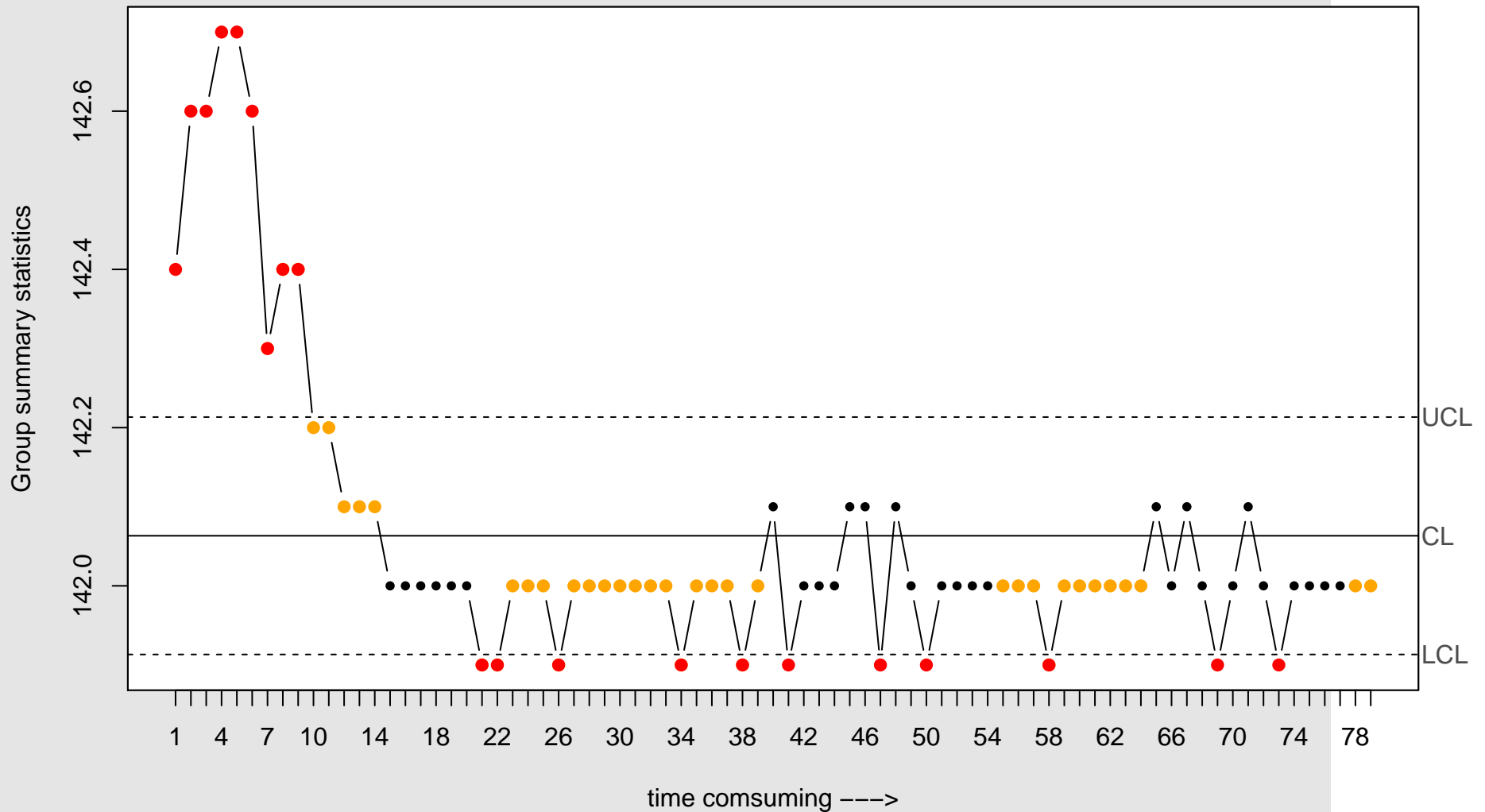


Number of groups = 79
 Center = 140.1291
 StdDev = 0.05569194

LCL = 139.962
 UCL = 140.2962

Number beyond limits = 20
 Number violating runs = 67

2th column point of this product

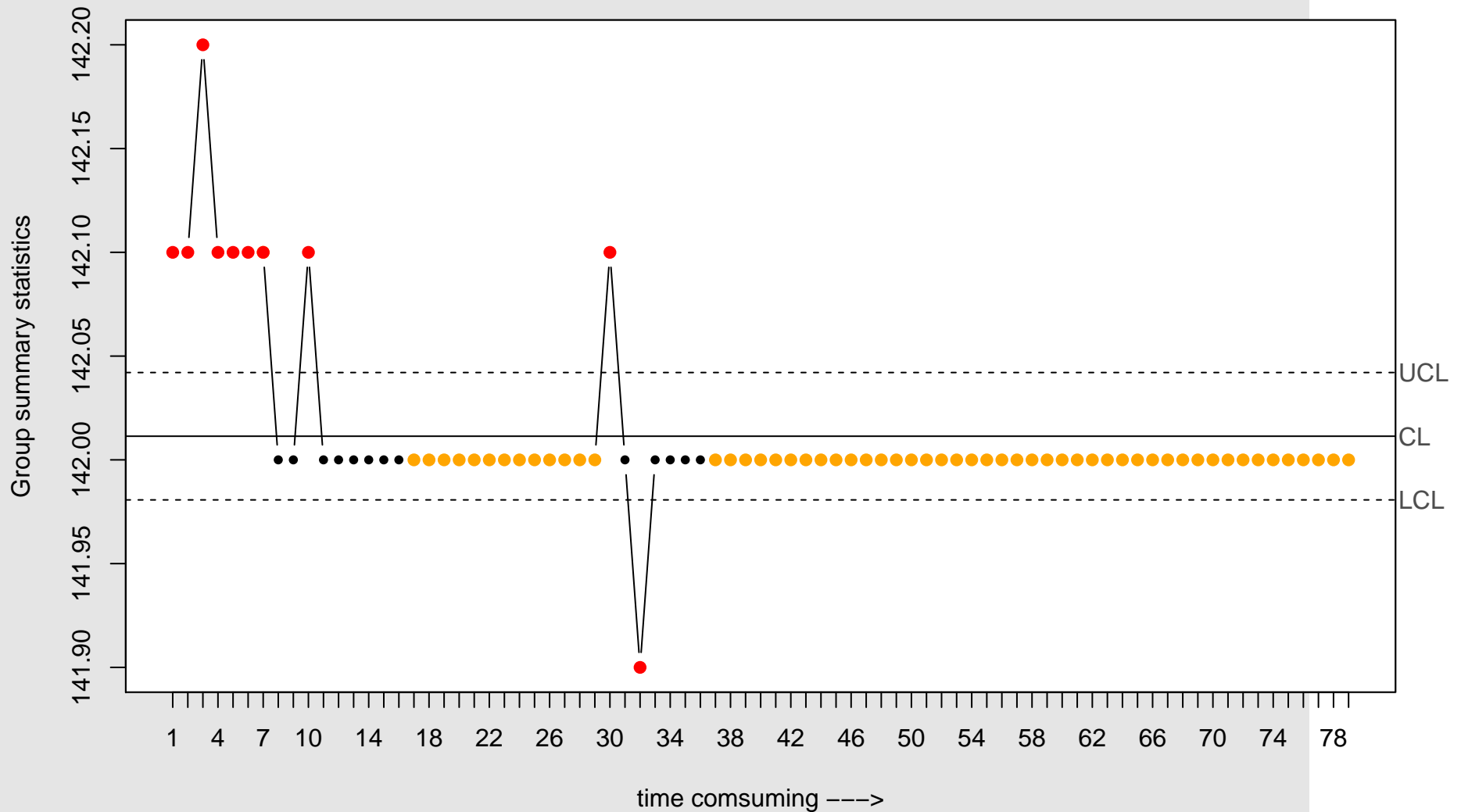


Number of groups = 79
 Center = 142.0633
 StdDev = 0.05000909

LCL = 141.9133
 UCL = 142.2133

Number beyond limits = 20
 Number violating runs = 39

3th column point of this product

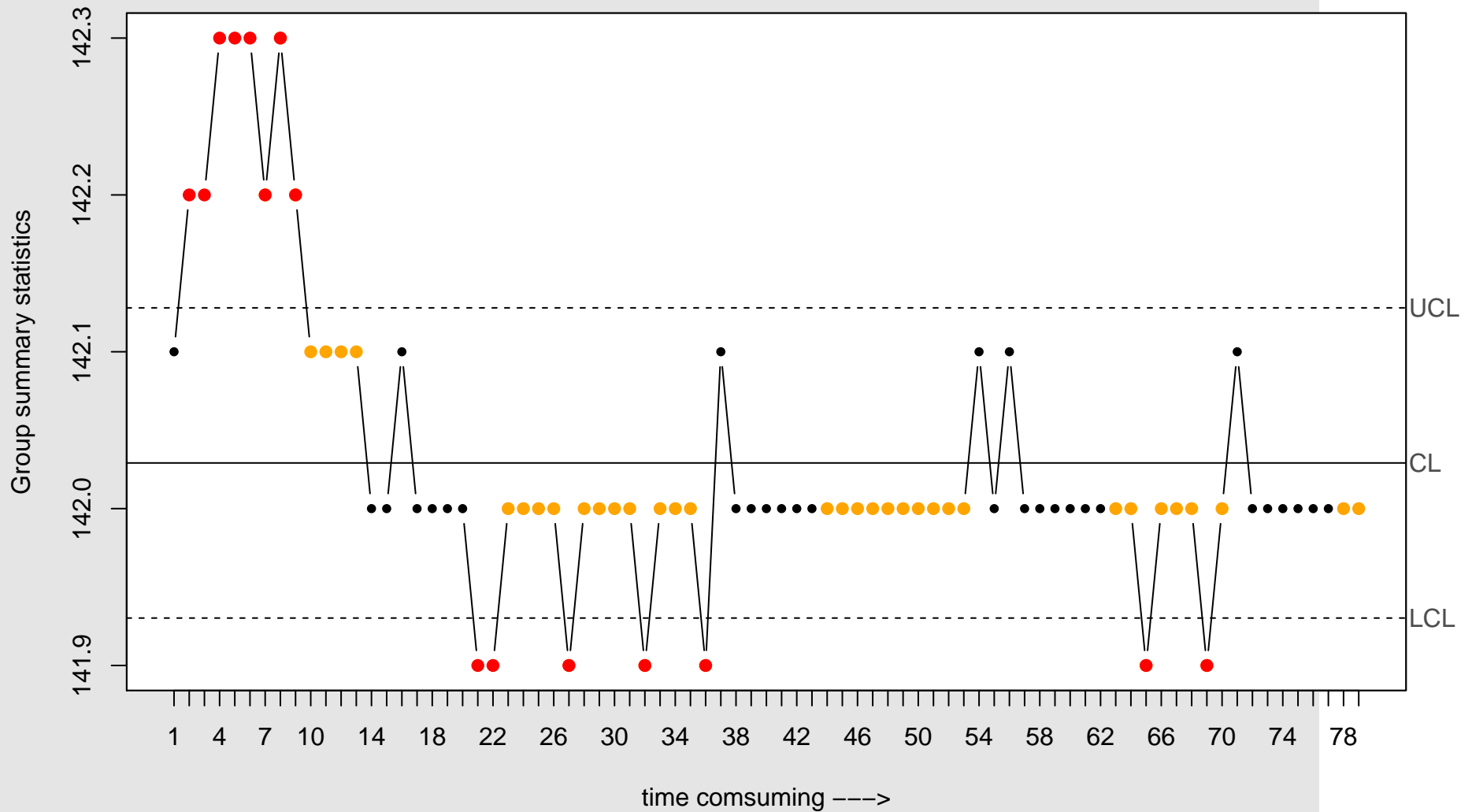


Number of groups = 79
Center = 142.0114
StdDev = 0.01022913

LCL = 141.9807
UCL = 142.0421

Number beyond limits = 10
Number violating runs = 57

4th column point of this product

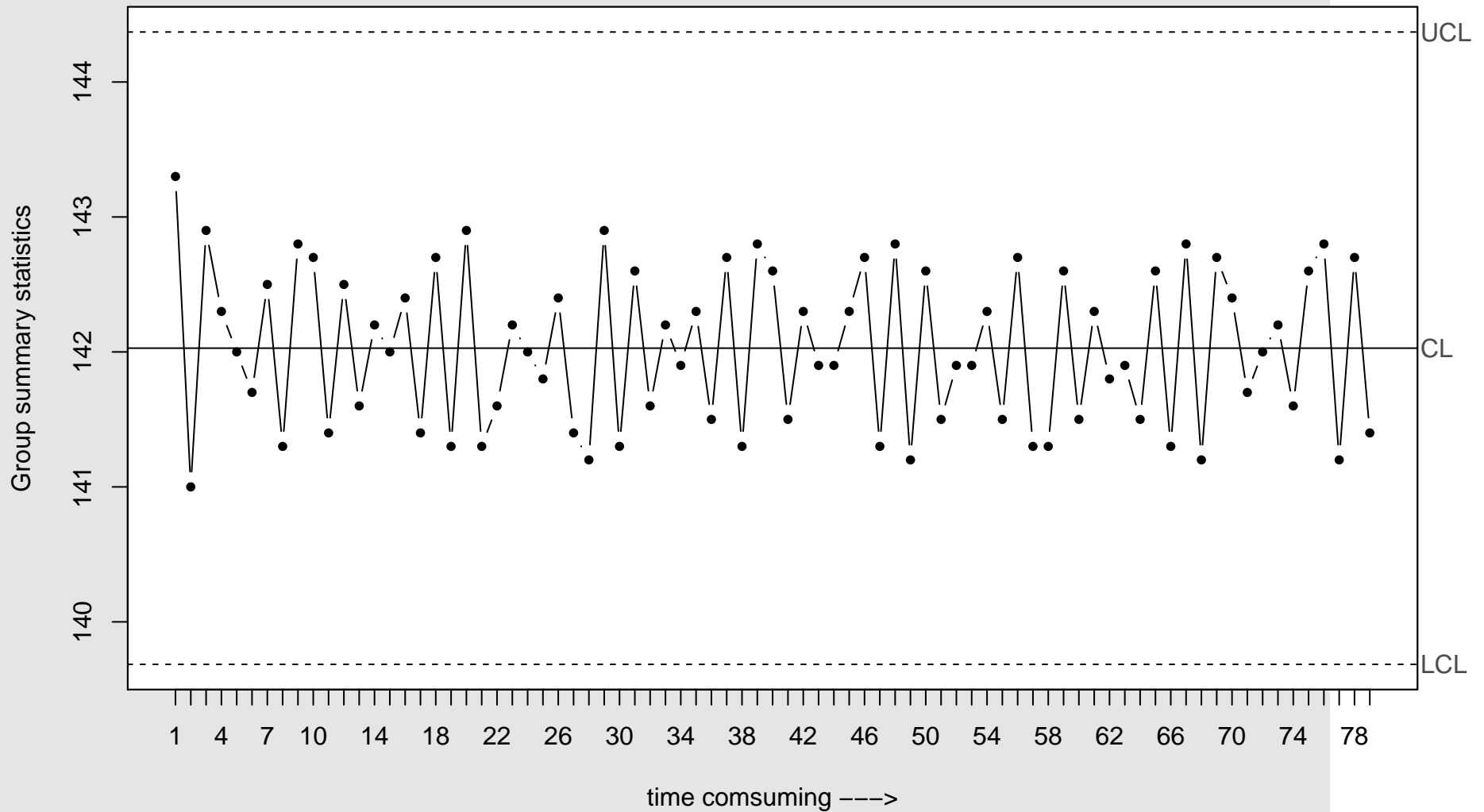


Number of groups = 79
 Center = 142.0291
 StdDev = 0.03296054

LCL = 141.9302
 UCL = 142.128

Number beyond limits = 15
 Number violating runs = 41

5th column point of this product



Number of groups = 79

Center = 142.0278

StdDev = 0.7808238

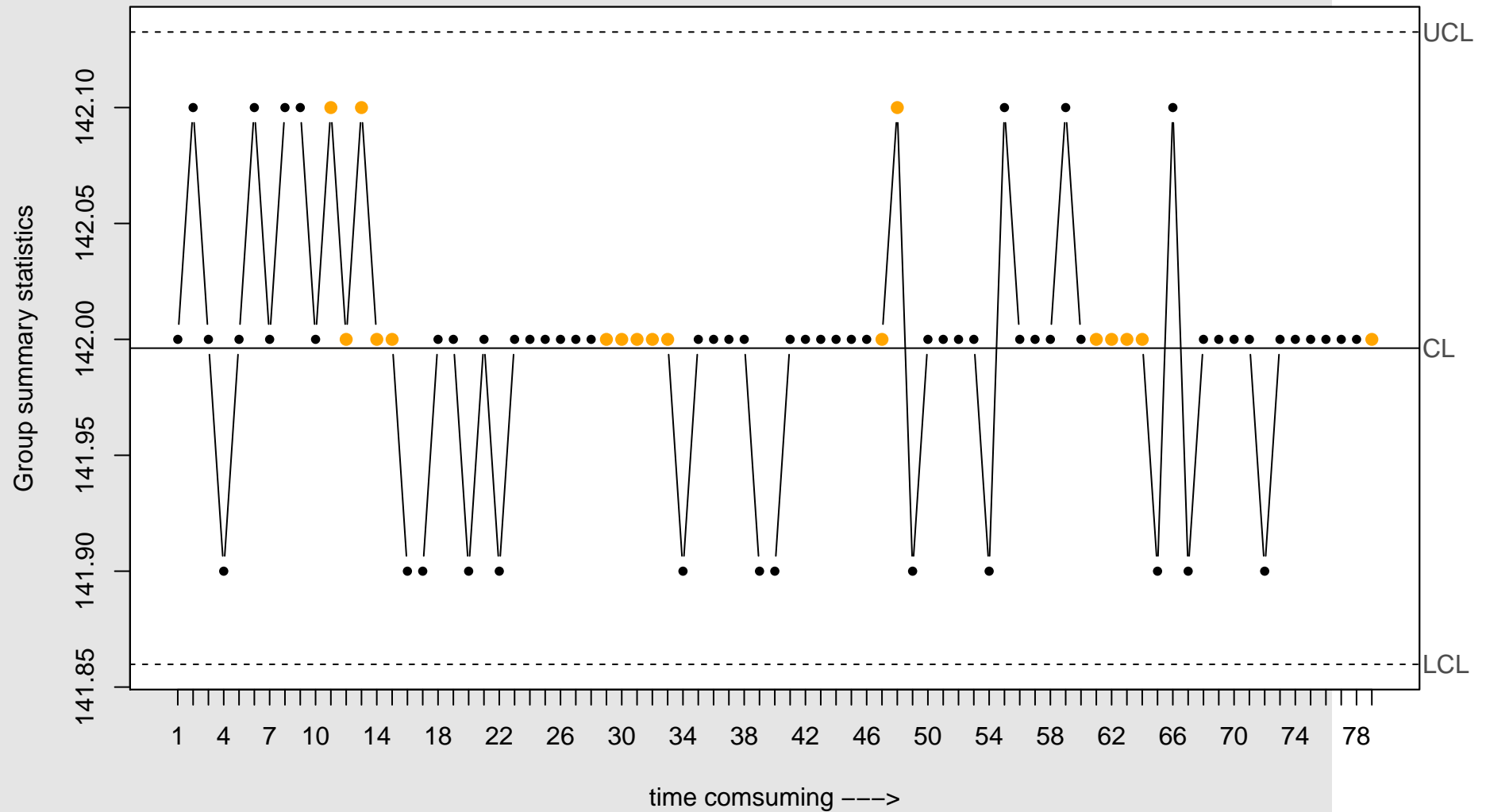
LCL = 139.6854

UCL = 144.3703

Number beyond limits = 0

Number violating runs = 0

6th column point of this product

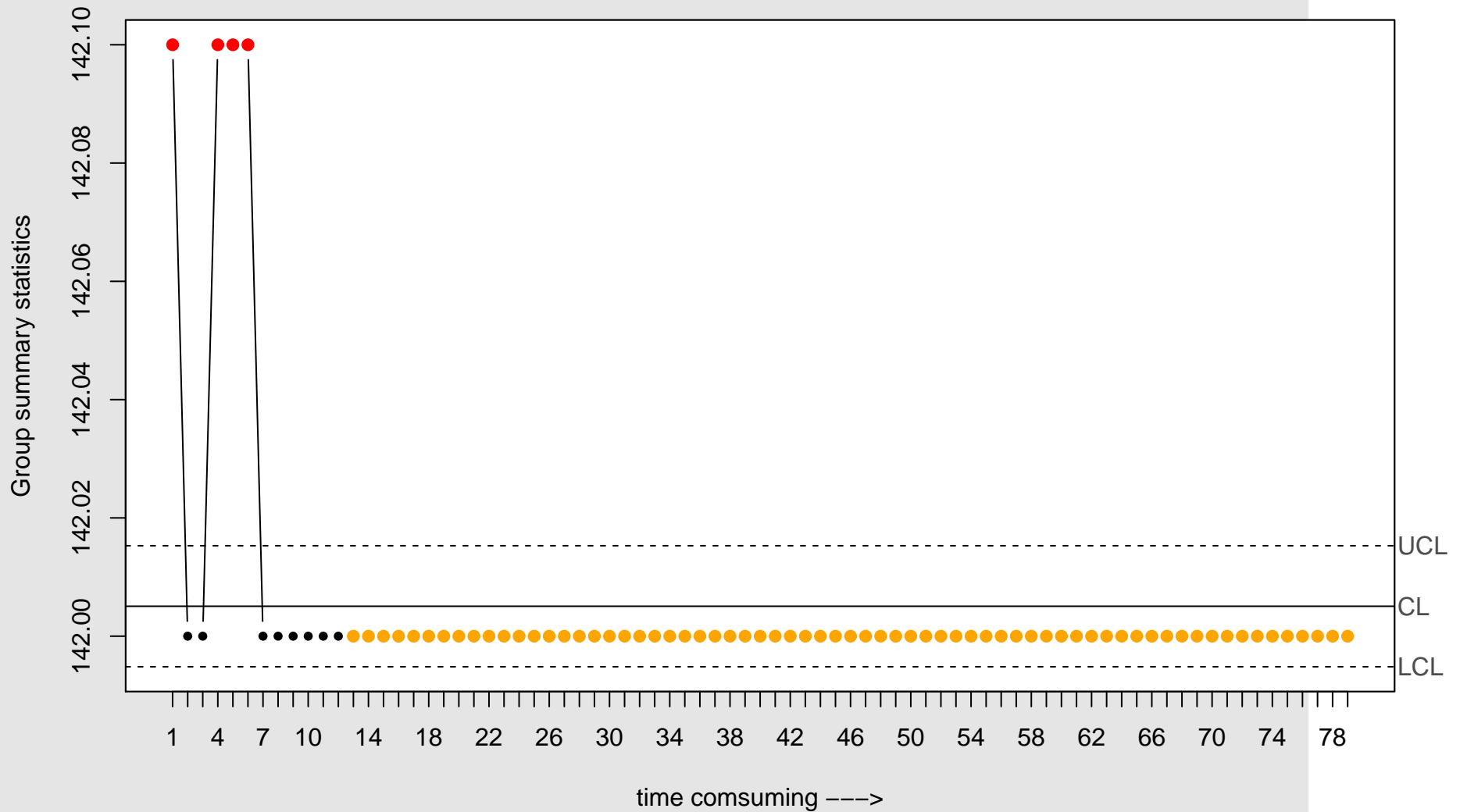


Number of groups = 79
 Center = 141.9962
 StdDev = 0.04546281

LCL = 141.8598
 UCL = 142.1326

Number beyond limits = 0
 Number violating runs = 17

7th column point of this product

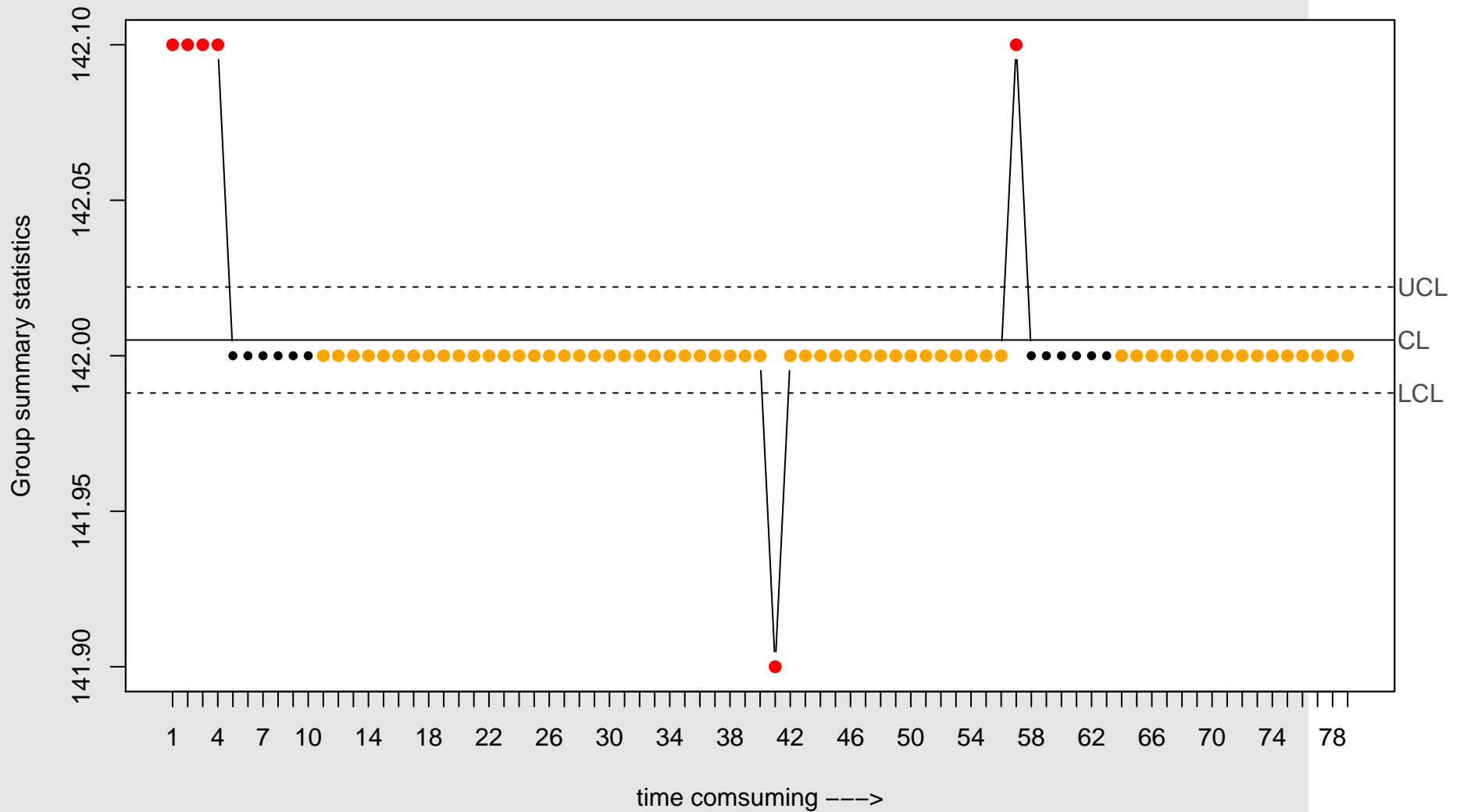


Number of groups = 79
Center = 142.0051
StdDev = 0.003409711

LCL = 141.9948
UCL = 142.0153

Number beyond limits = 4
Number violating runs = 67

8th column point of this product

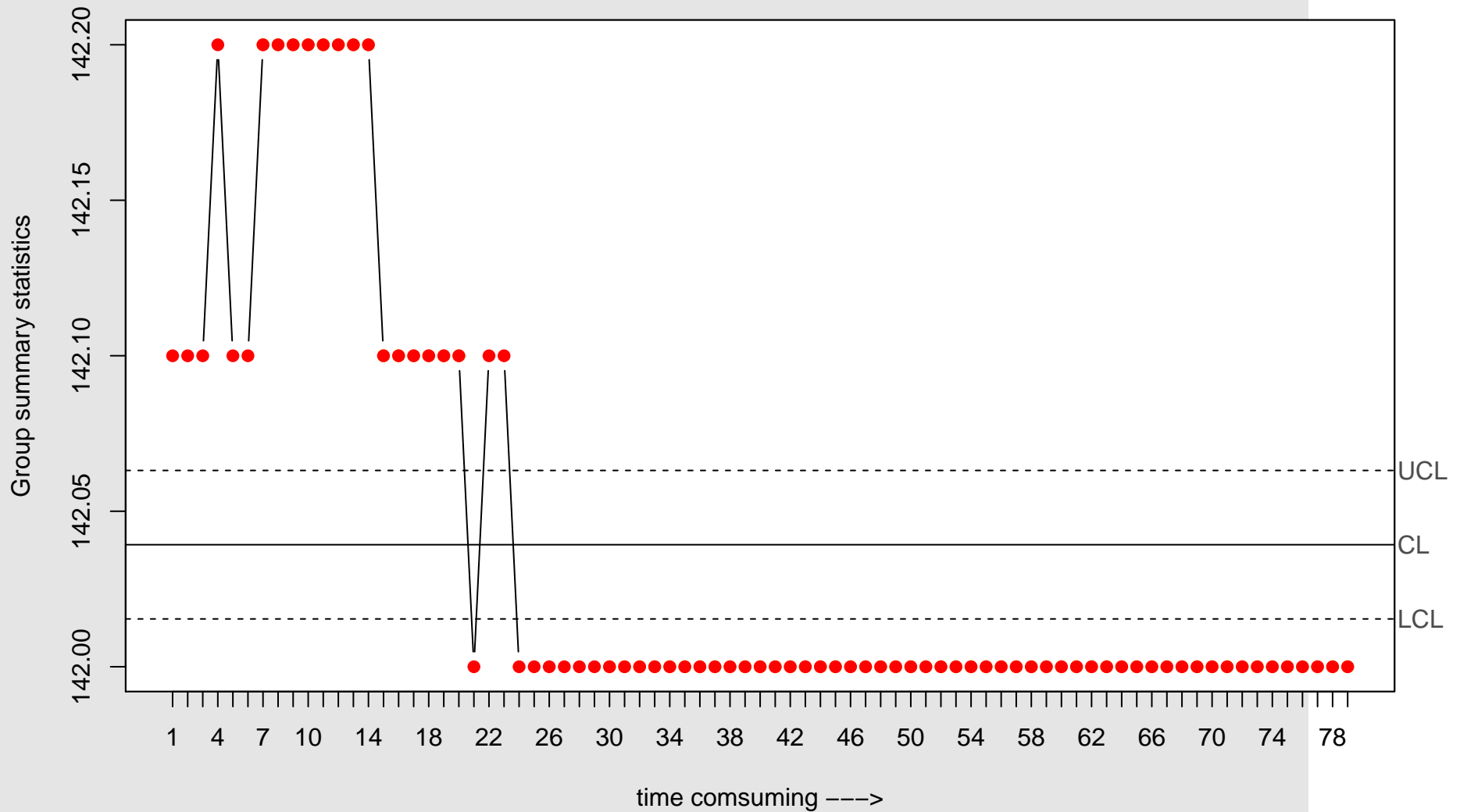


Number of groups = 79
Center = 142.0051
StdDev = 0.005682851

LCL = 141.988
UCL = 142.0221

Number beyond limits = 6
Number violating runs = 62

9th column point of this product

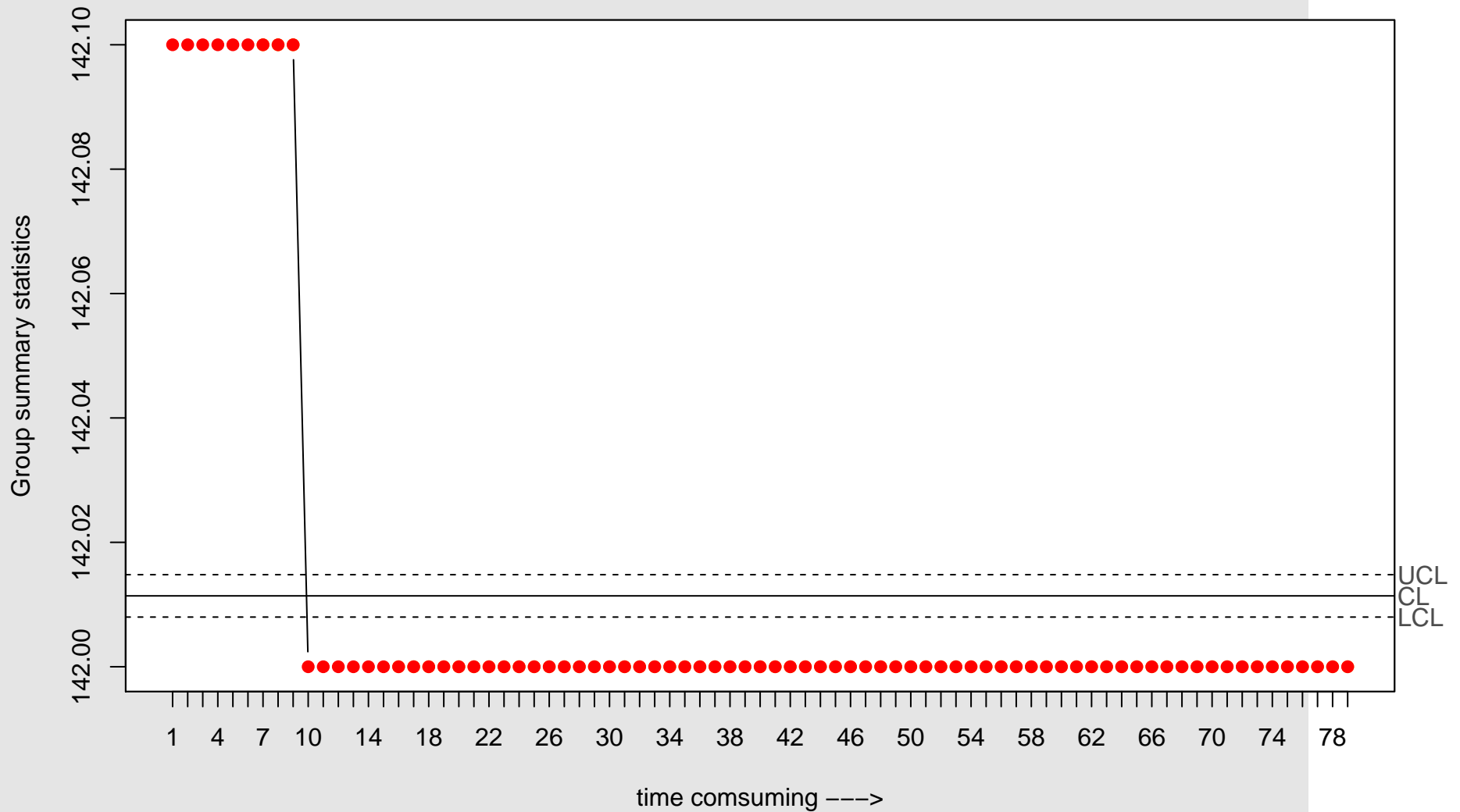


Number of groups = 79
Center = 142.0392
StdDev = 0.007955992

LCL = 142.0154
UCL = 142.0631

Number beyond limits = 79
Number violating runs = 64

10th column point of this product

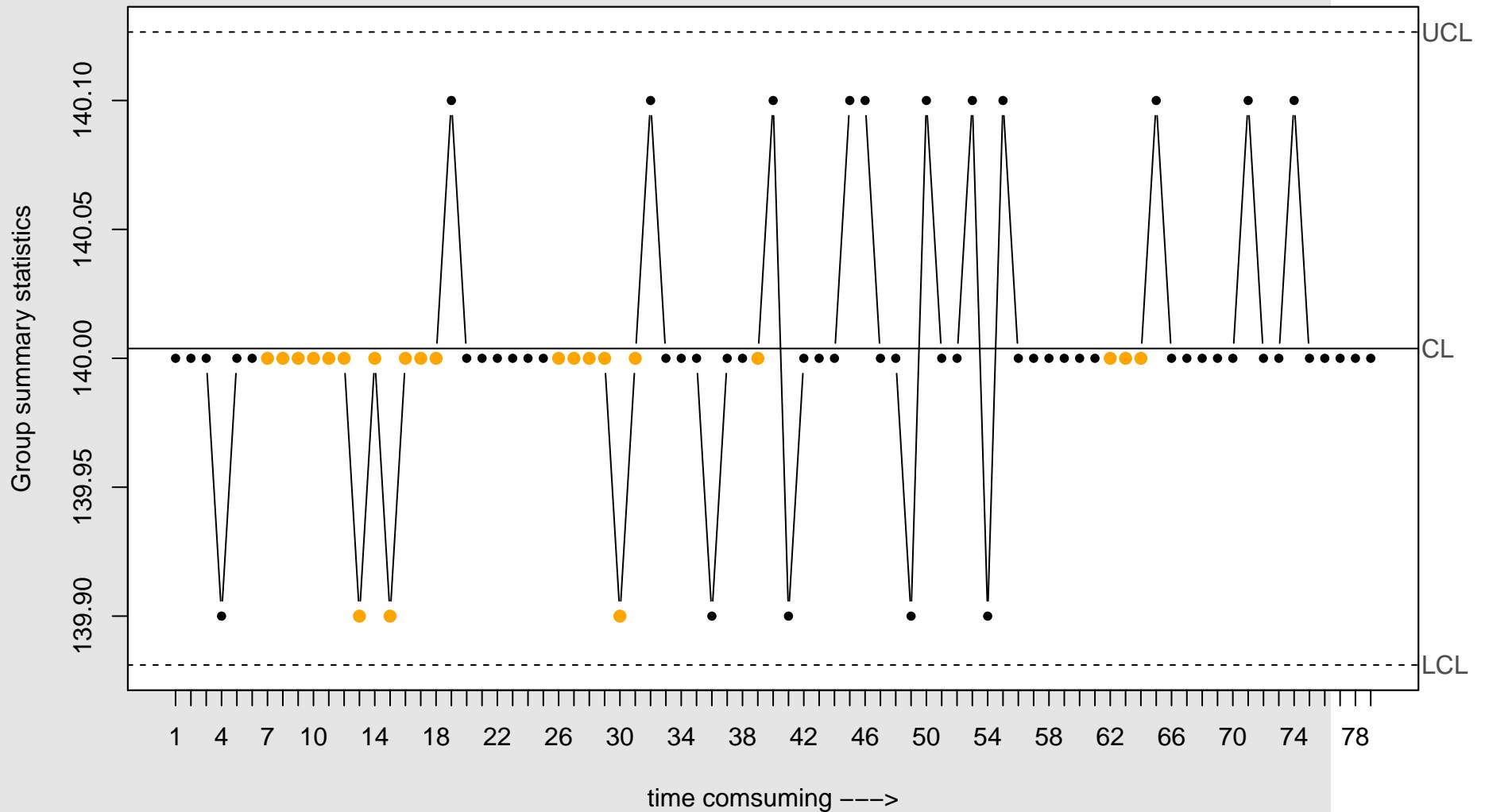


Number of groups = 79
Center = 142.0114
StdDev = 0.00113657

LCL = 142.008
UCL = 142.0148

Number beyond limits = 79
Number violating runs = 67

11th column point of this product

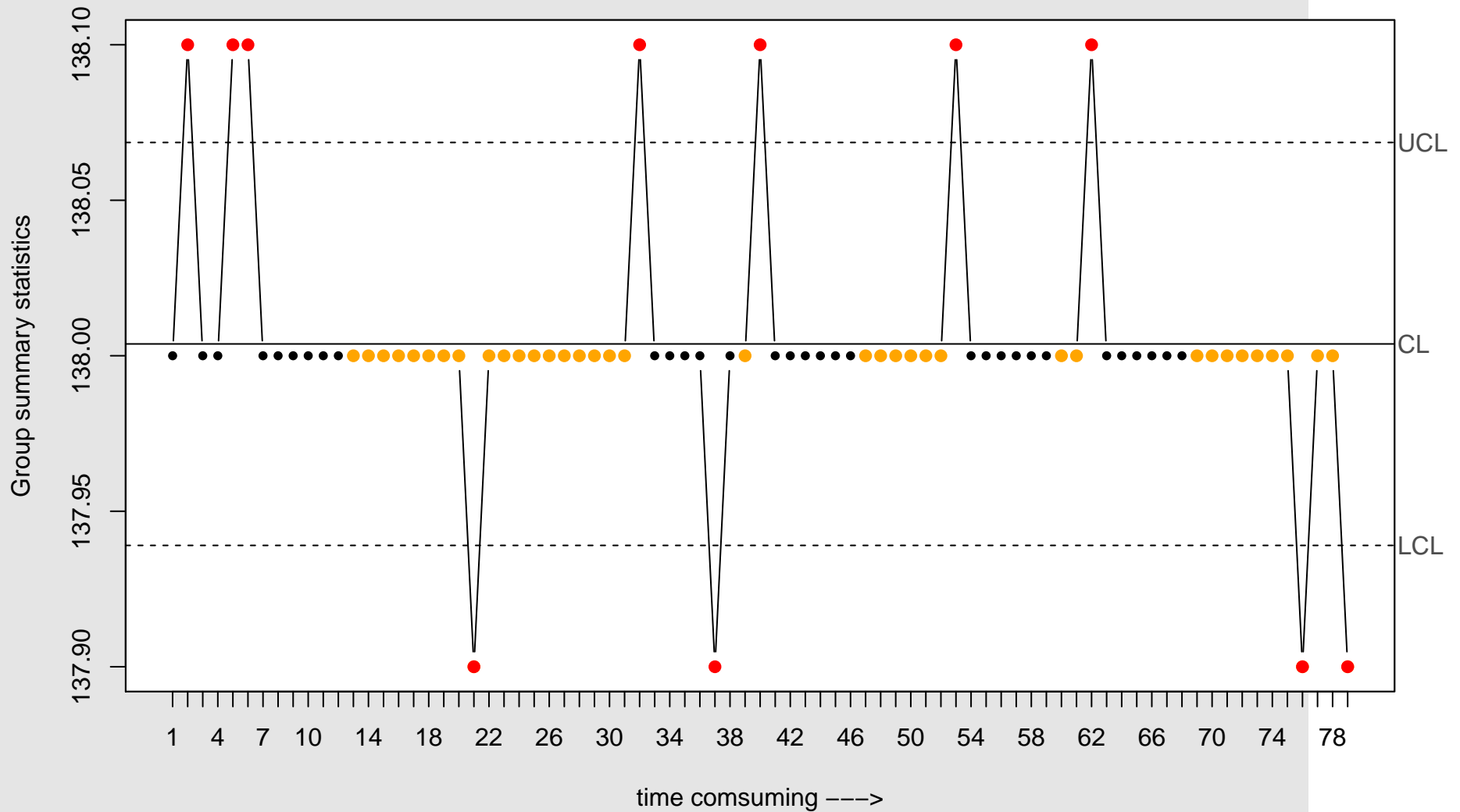


Number of groups = 79
Center = 140.0038
StdDev = 0.04091653

LCL = 139.881
UCL = 140.1265

Number beyond limits = 0
Number violating runs = 22

12th column point of this product

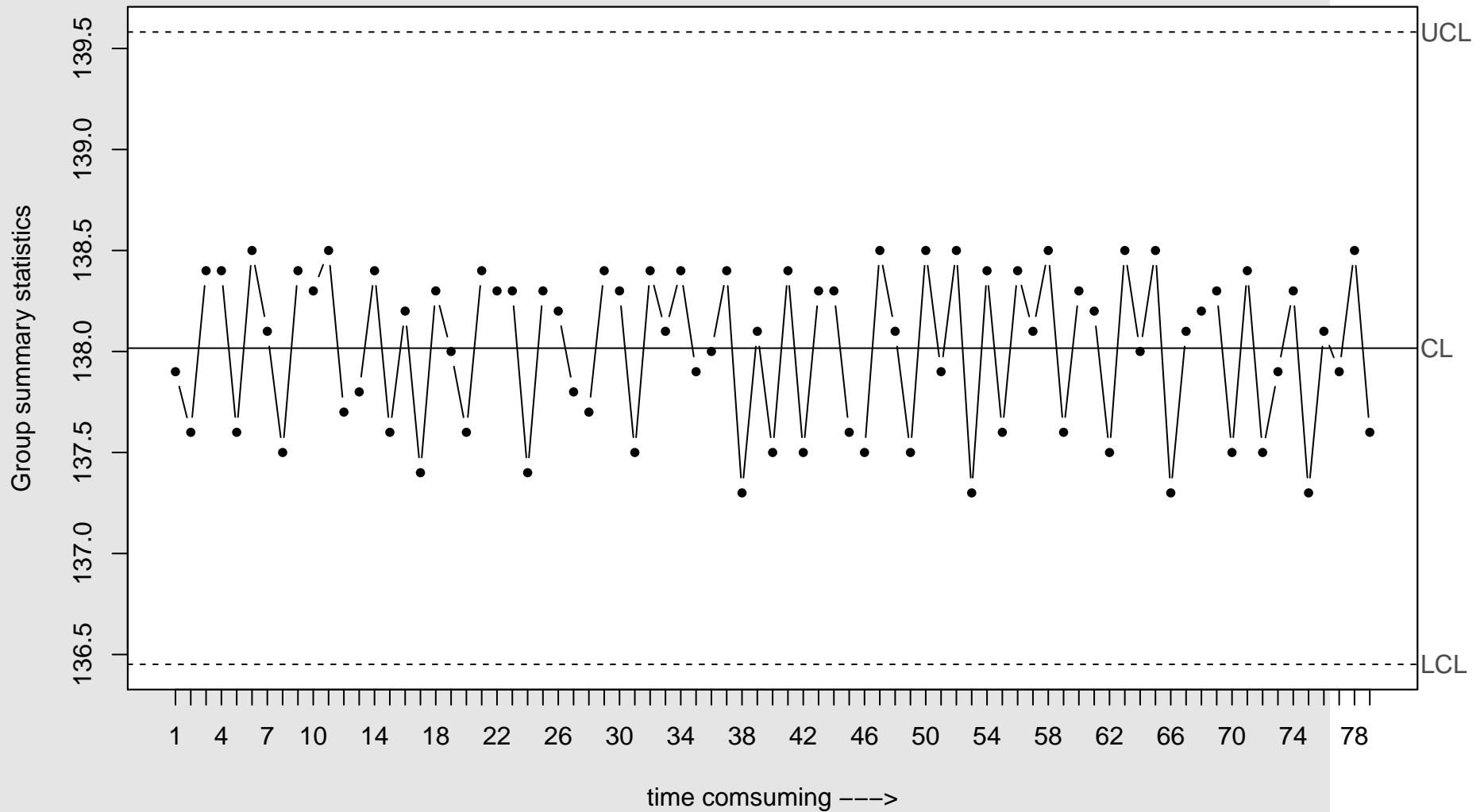


Number of groups = 79
 Center = 138.0038
 StdDev = 0.02159484

LCL = 137.939
 UCL = 138.0686

Number beyond limits = 11
 Number violating runs = 39

13th column point of this product



Number of groups = 79

Center = 138.0165

StdDev = 0.5216858

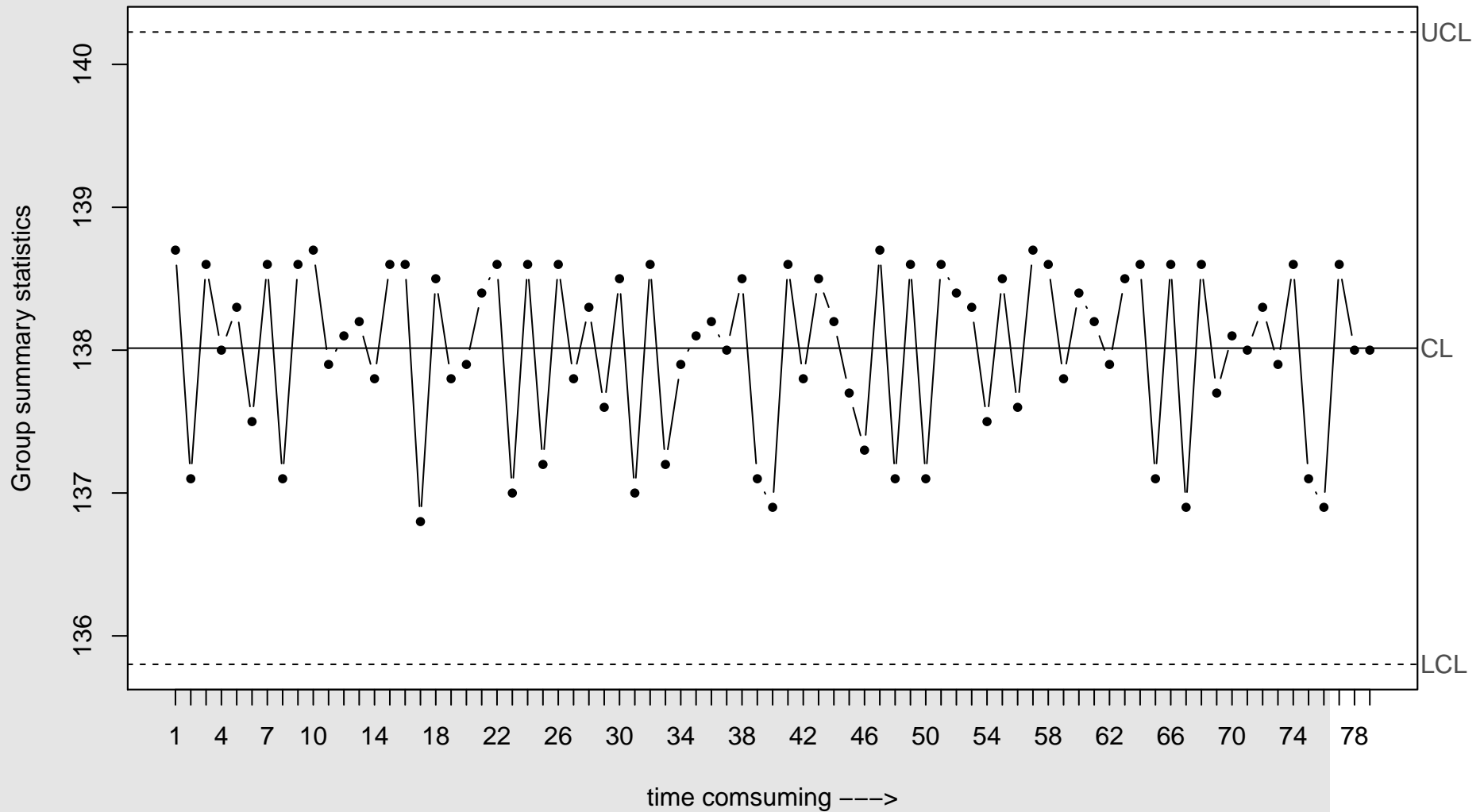
LCL = 136.4514

UCL = 139.5815

Number beyond limits = 0

Number violating runs = 0

14th column point of this product



Number of groups = 79

Center = 138.0139

StdDev = 0.7376341

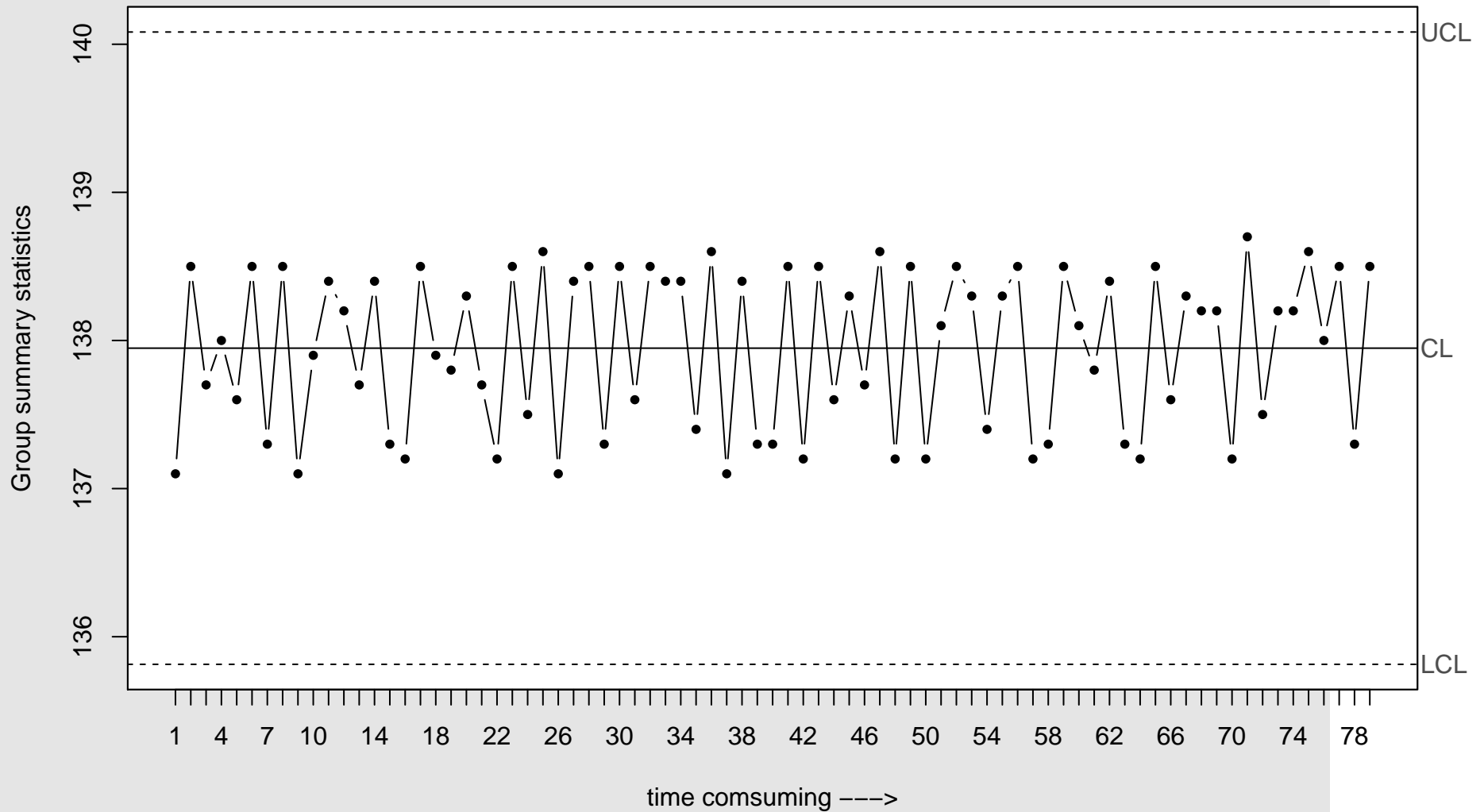
LCL = 135.801

UCL = 140.2268

Number beyond limits = 0

Number violating runs = 0

15th column point of this product



Number of groups = 79

Center = 137.9481

StdDev = 0.711493

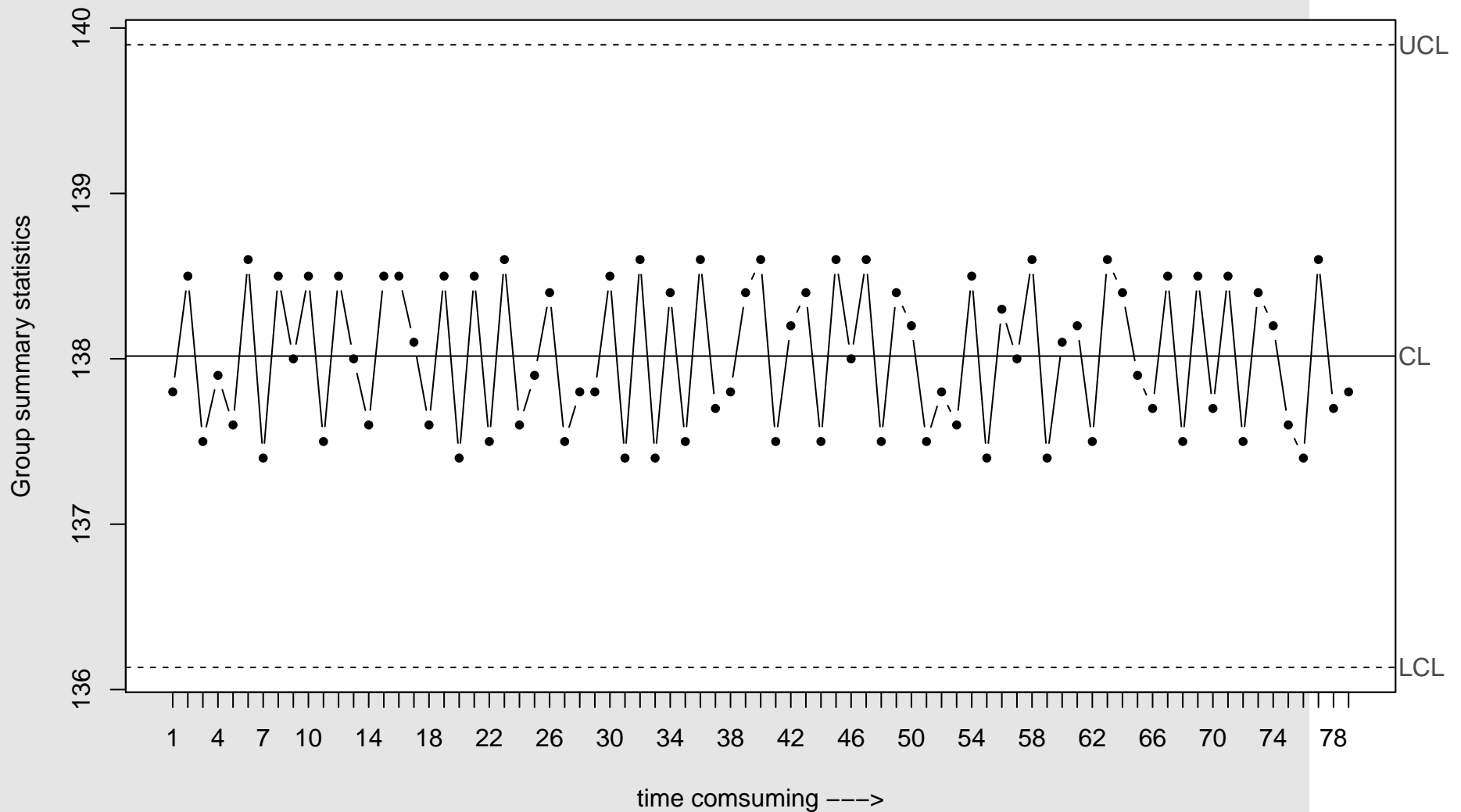
LCL = 135.8136

UCL = 140.0826

Number beyond limits = 0

Number violating runs = 0

16th column point of this product



Number of groups = 79

Center = 138.0165

StdDev = 0.6273868

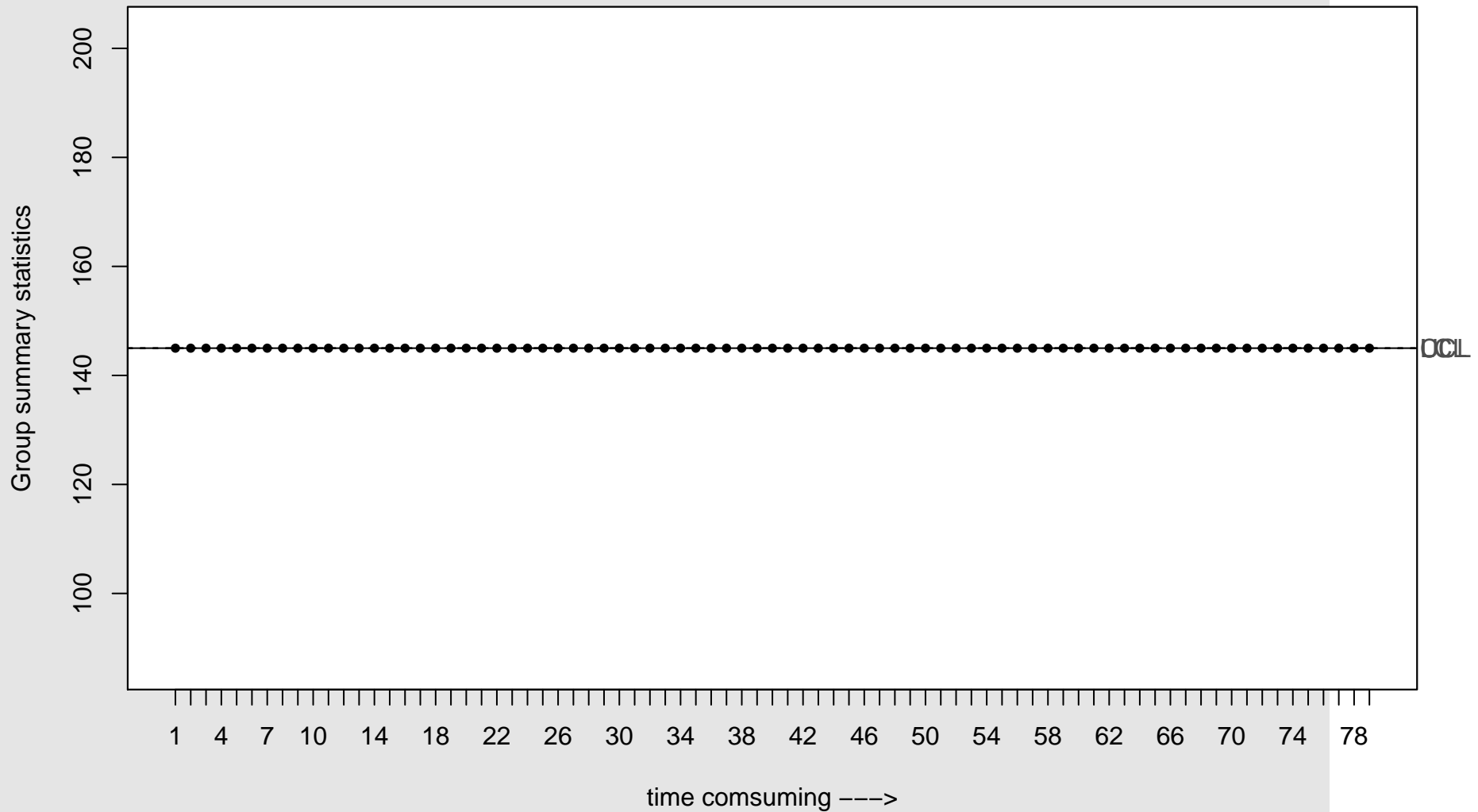
LCL = 136.1343

UCL = 139.8986

Number beyond limits = 0

Number violating runs = 0

17th column point of this product



Number of groups = 79

Center = 145

StdDev = 0

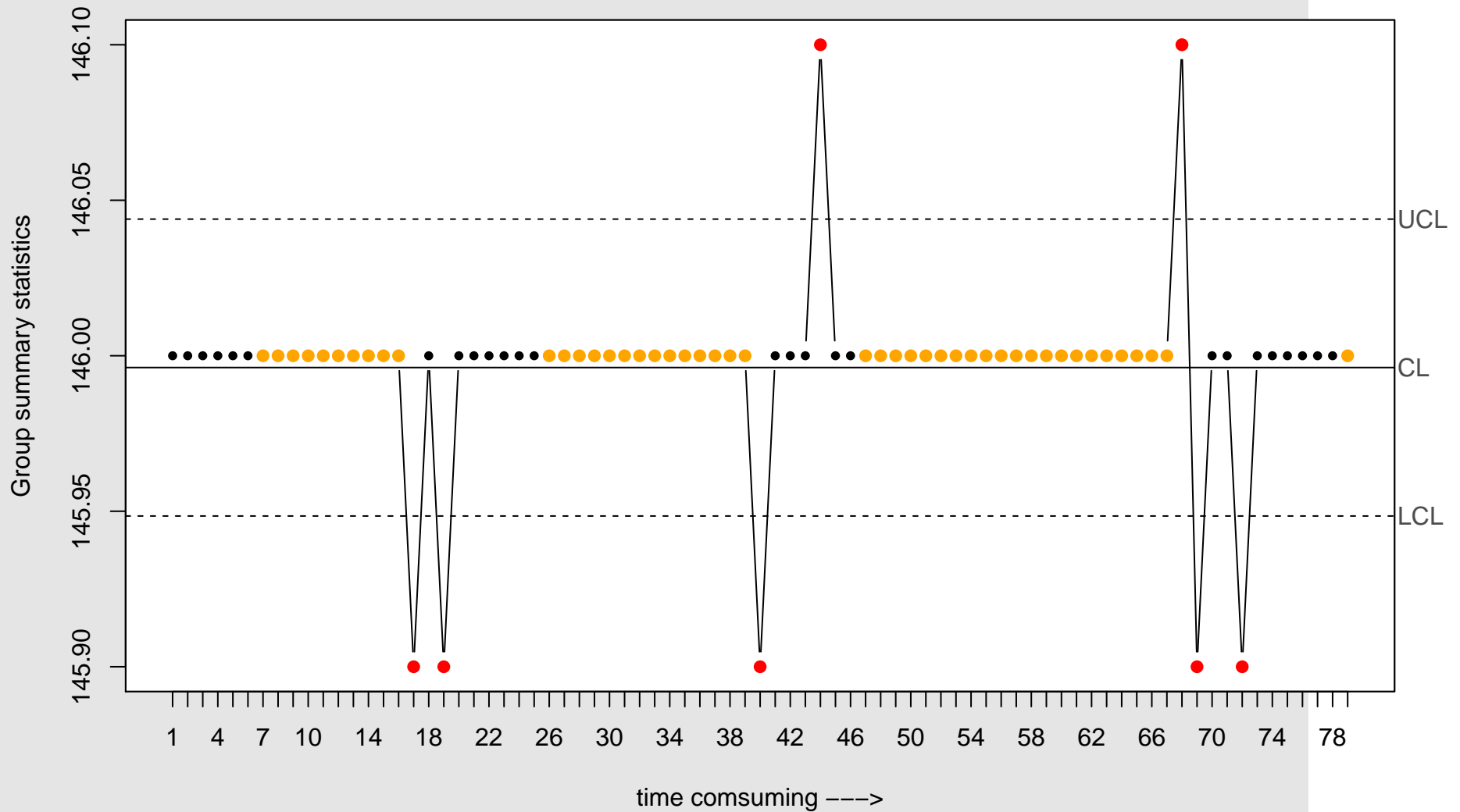
LCL = 145

UCL = 145

Number beyond limits = 0

Number violating runs = 0

18th column point of this product



Number of groups = 79
 Center = 145.9962
 StdDev = 0.01591198

LCL = 145.9485
 UCL = 146.0439

Number beyond limits = 7
 Number violating runs = 47