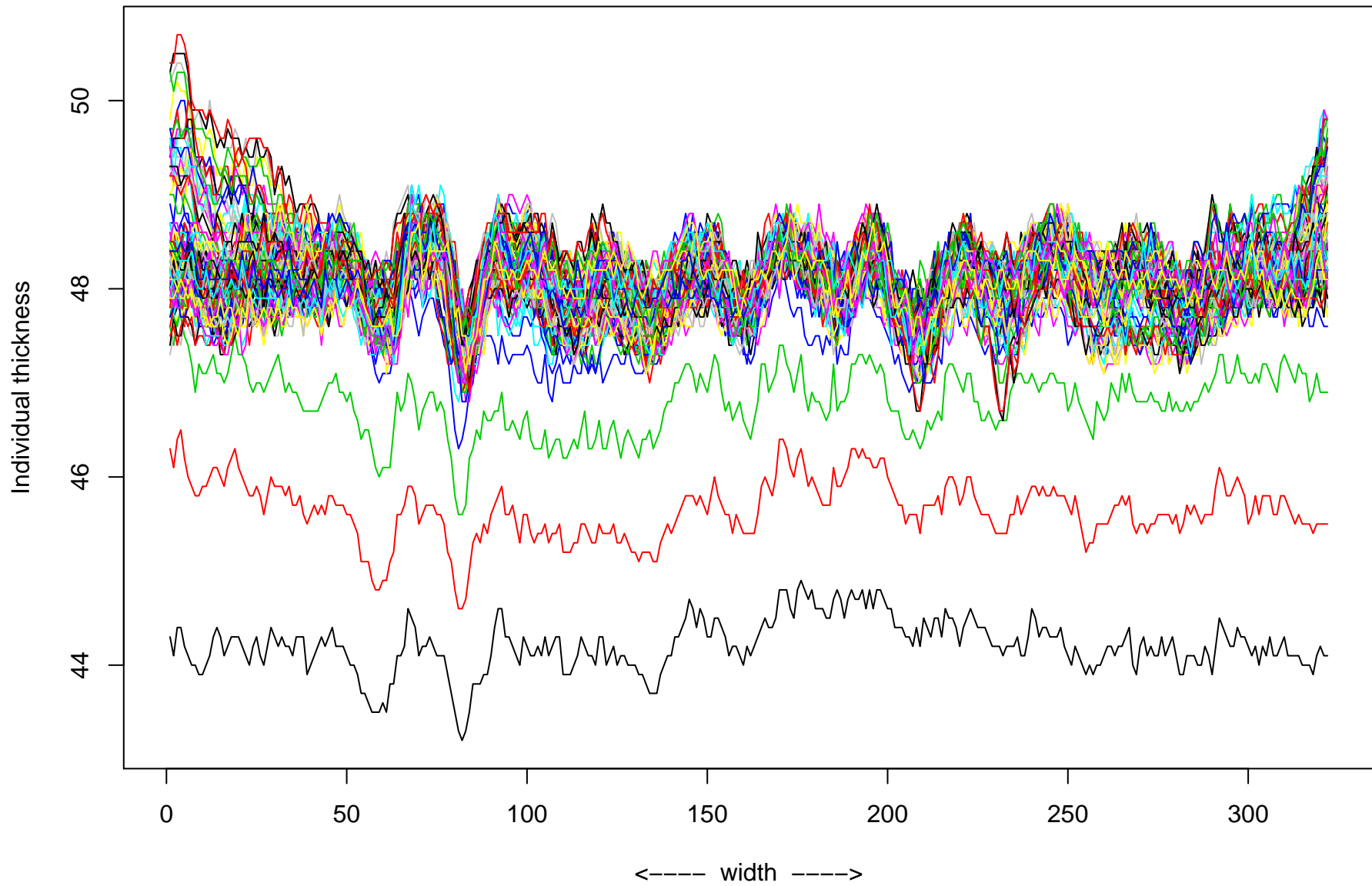
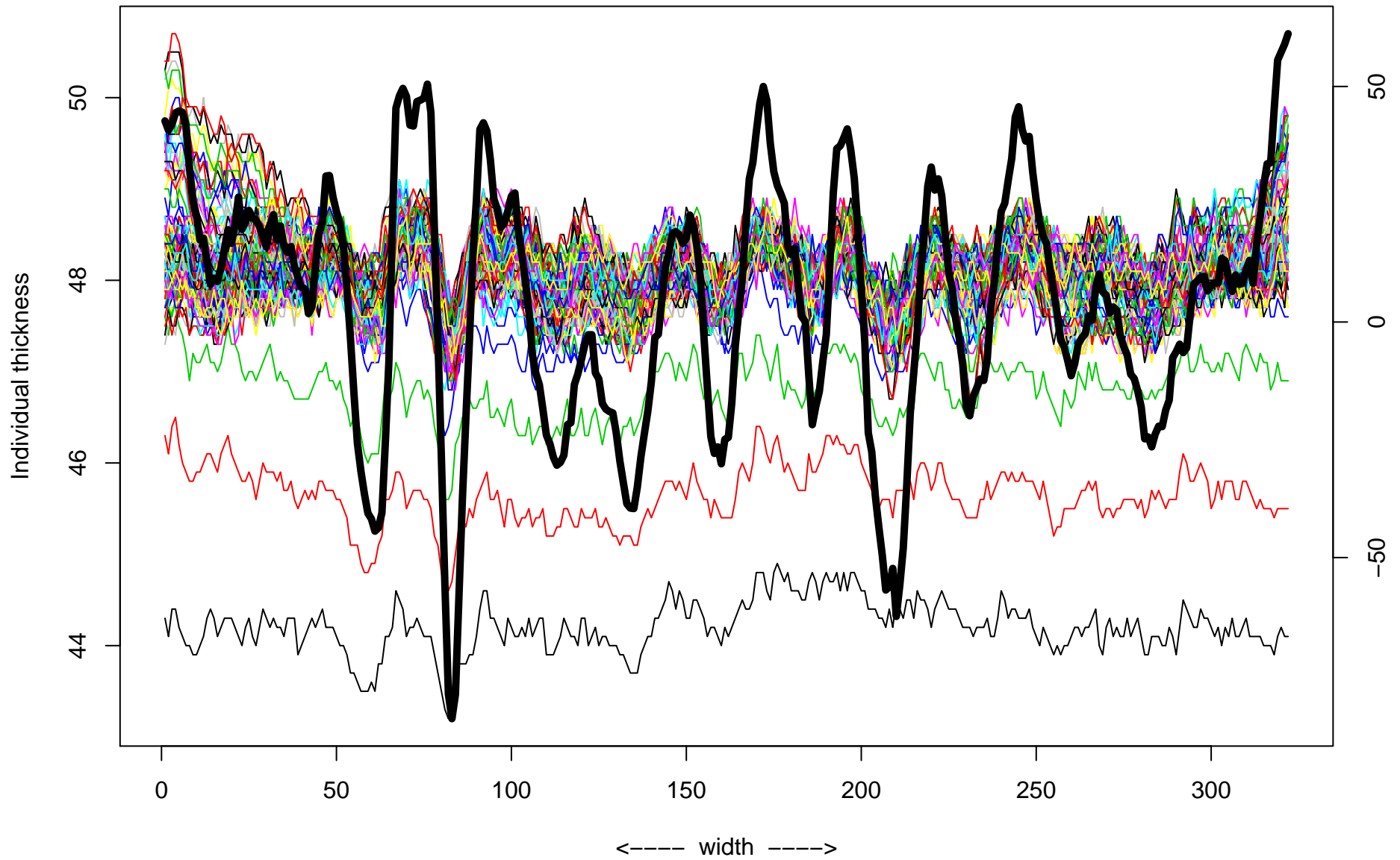


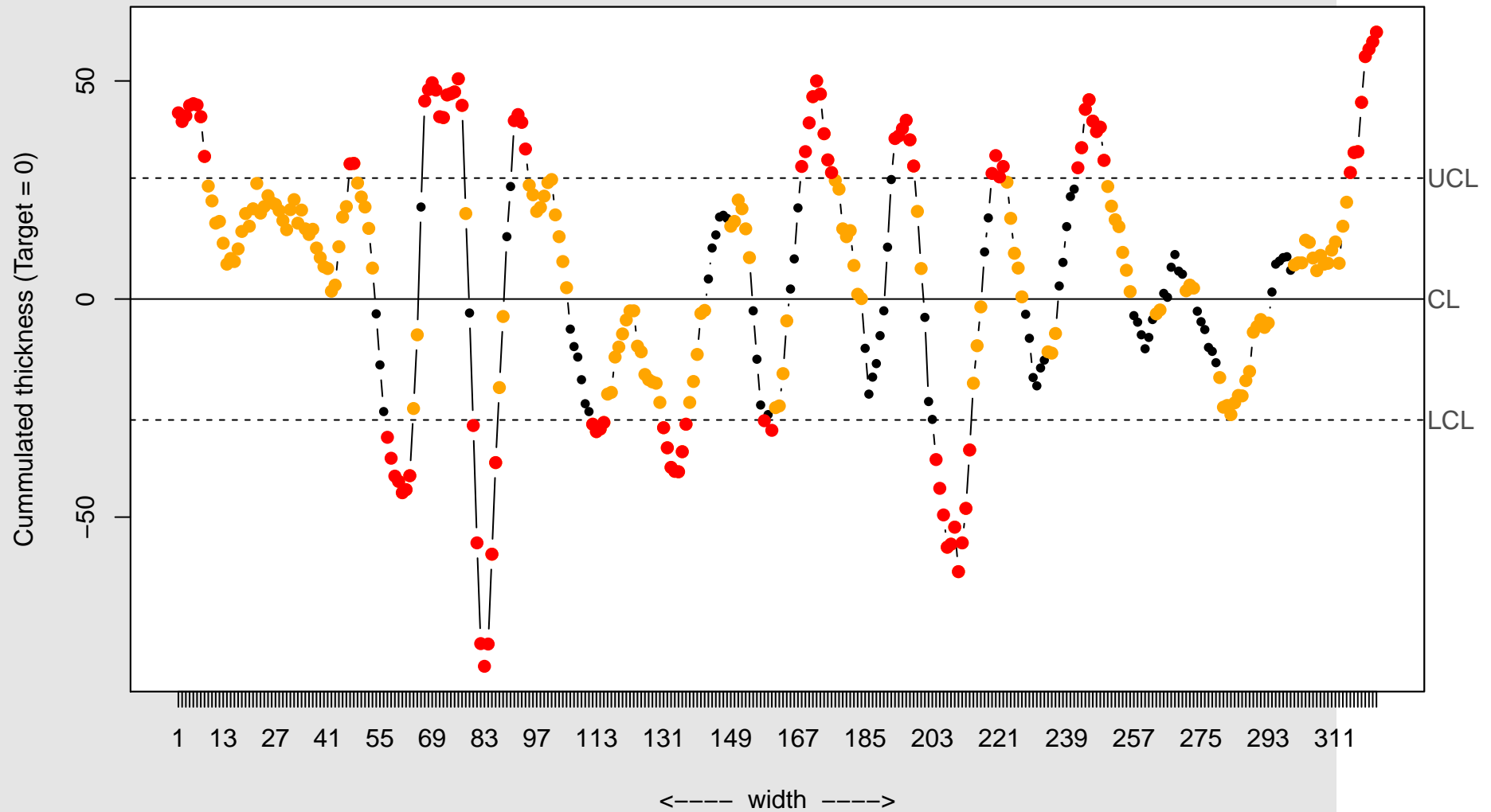
# Individual thickness only



# Simulated thickness



## Simulated thickness



Number of groups = 322

Center = 0

StdDev = 4.621805

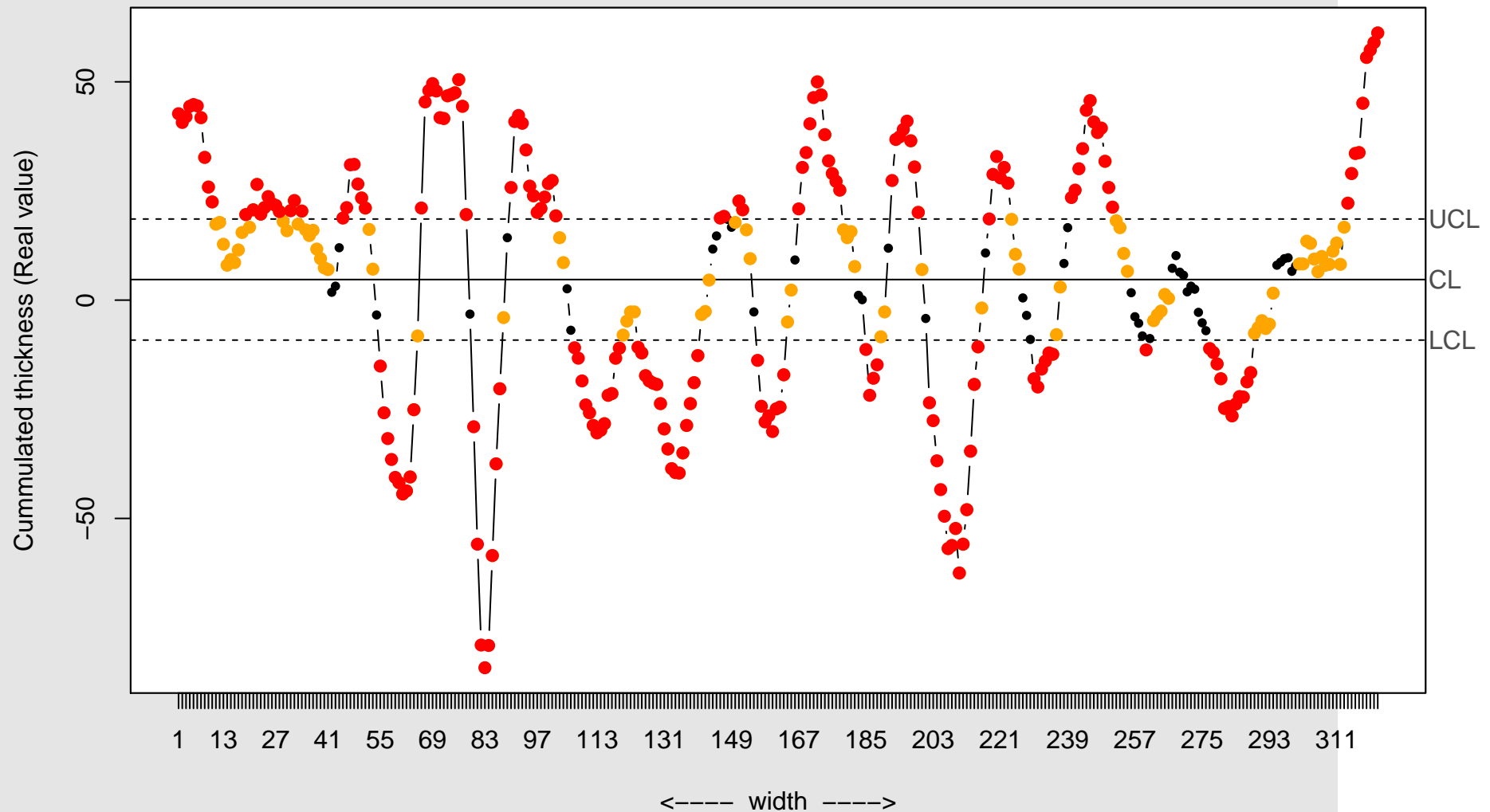
LCL = -27.73083

UCL = 27.73083

Number beyond limits = 97

Number violating runs = 208

Simulated thickness: Cpk is 0.3517 and z is -0.4448.



Number of groups = 322

Center = 4.710248

StdDev = 4.621805

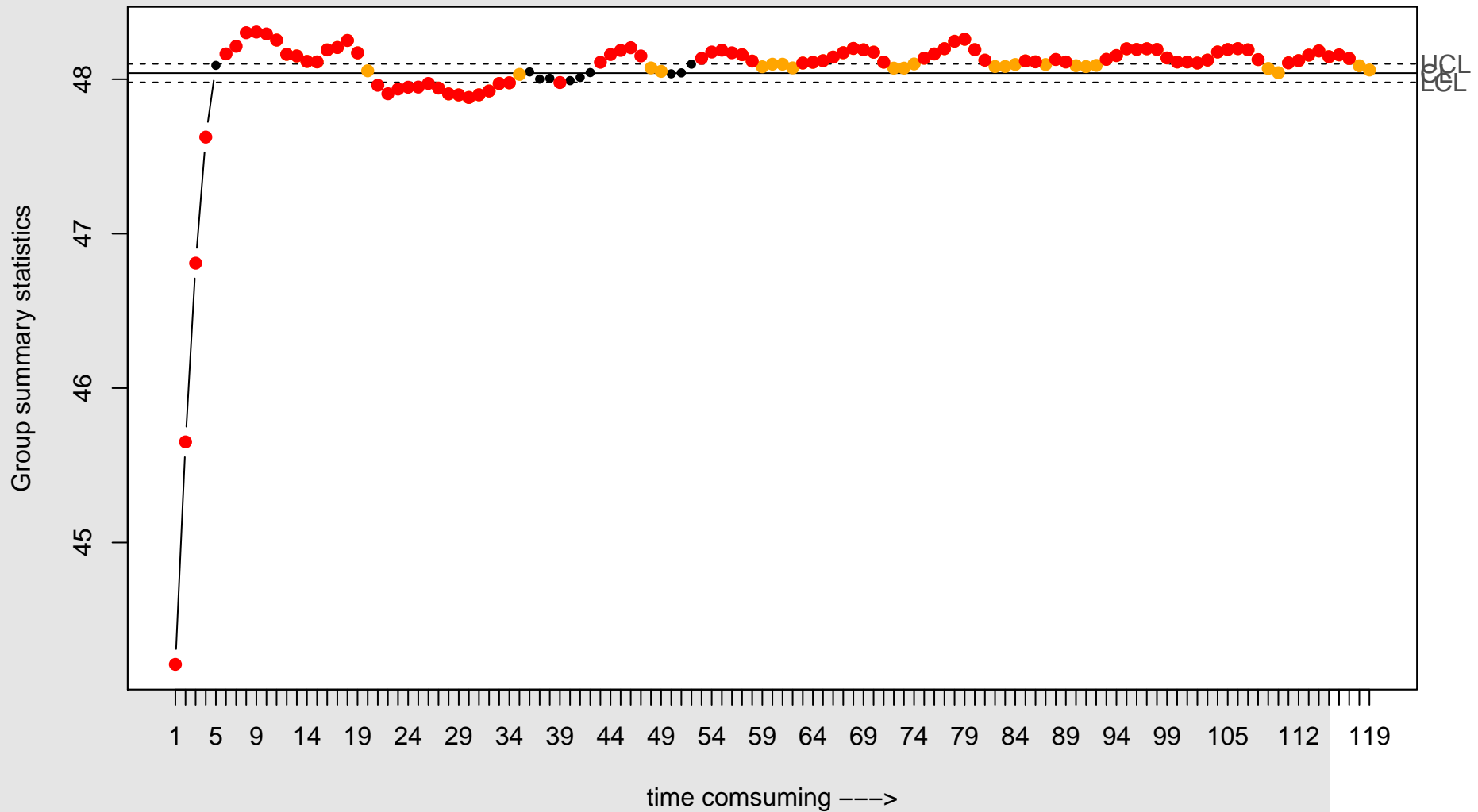
LCL = -9.155165

UCL = 18.57566

Number beyond limits = 199

Number violating runs = 202

X-bar chart for a given dataset



Number of groups = 119

Center = 48.03958

StdDev = 0.3583052

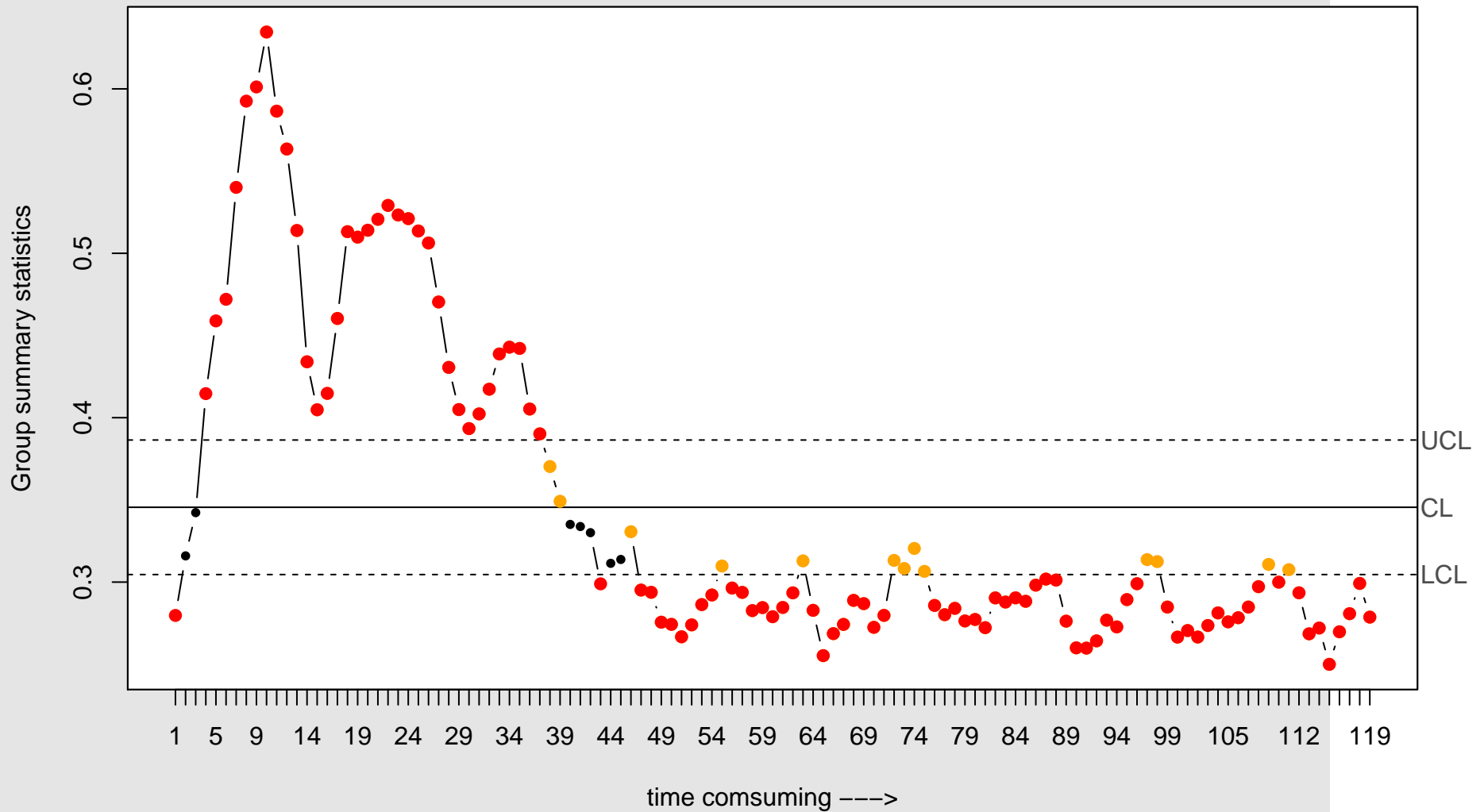
LCL = 47.97968

UCL = 48.09948

Number beyond limits = 87

Number violating runs = 84

S chart for a given dataset

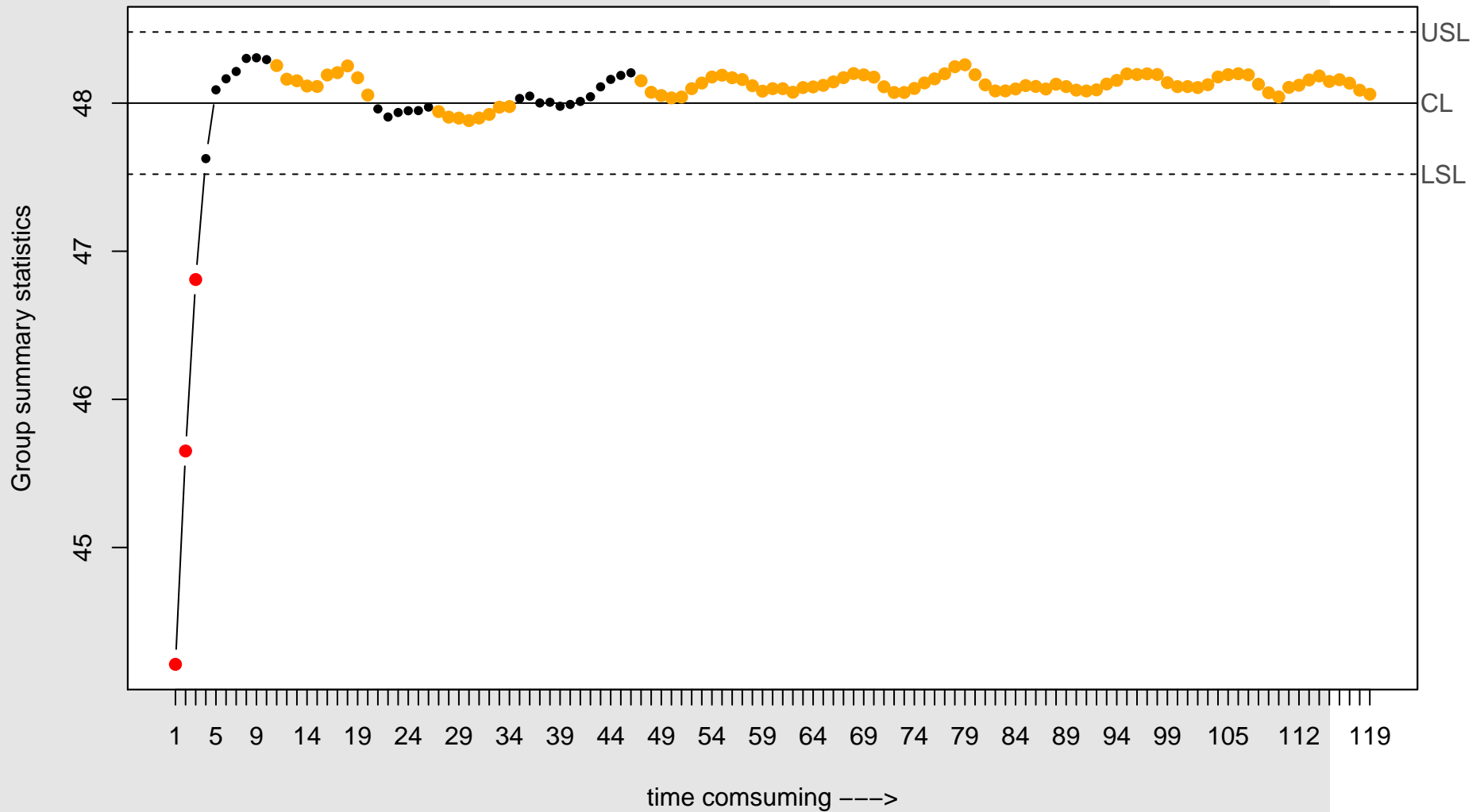


Number of groups = 119  
Center = 0.3454992  
StdDev = 0.3457684

LCL = 0.304576  
UCL = 0.3864224

Number beyond limits = 99  
Number violating runs = 104

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



Number of groups = 119

Center = 48

StdDev = 0.3583052

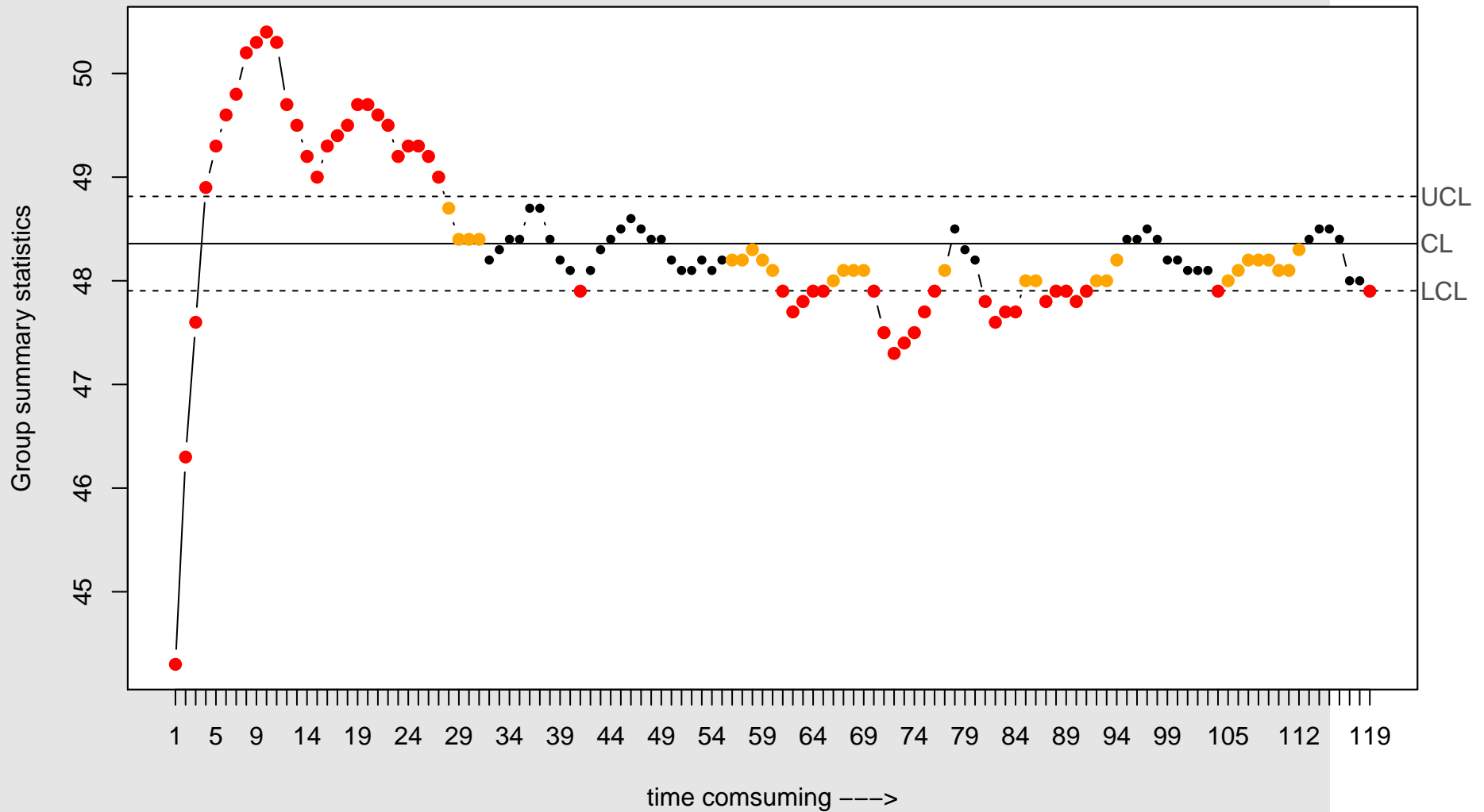
LCL = 47.52

UCL = 48.48

Number beyond limits = 3

Number violating runs = 91

# 1th column point of this product



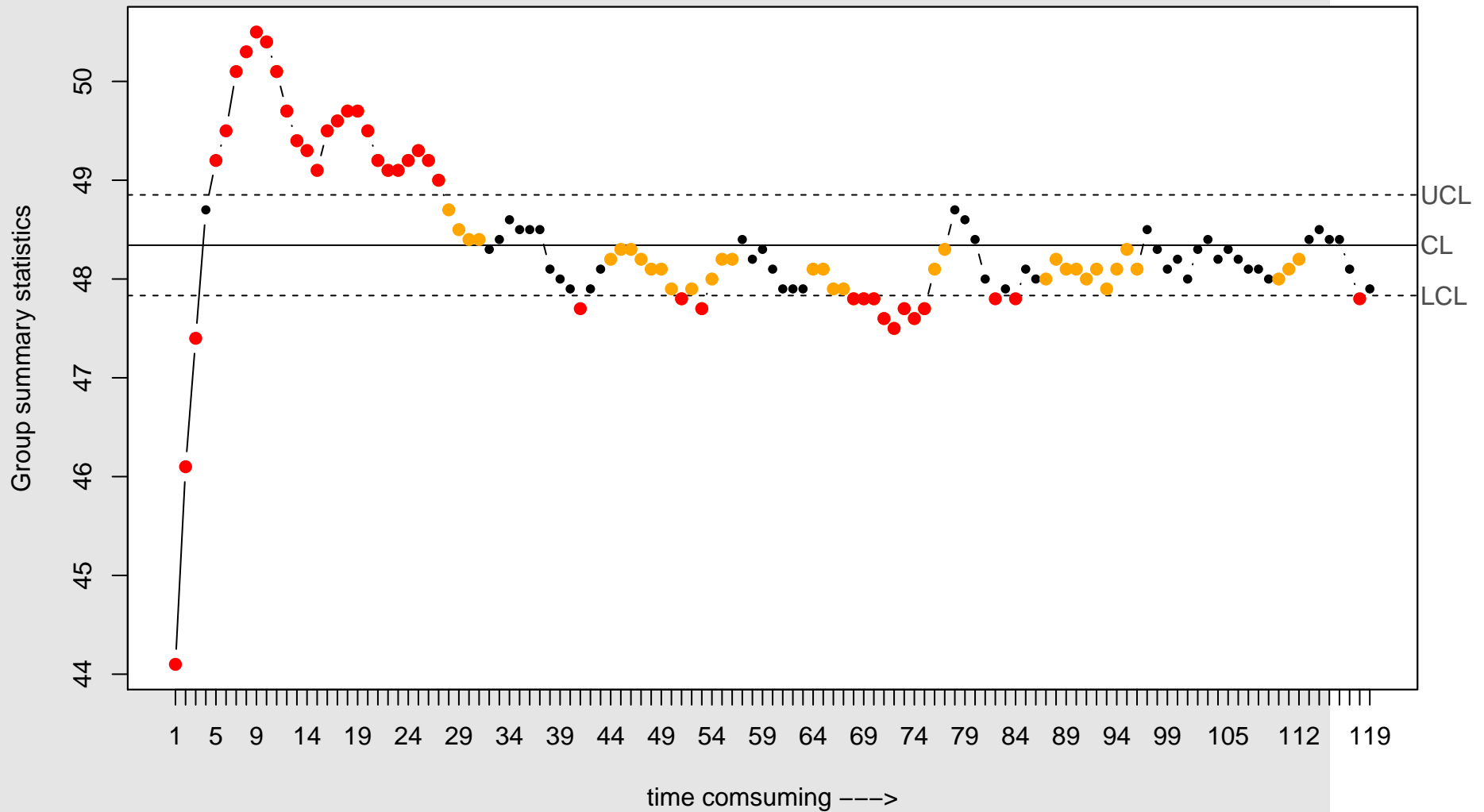
Number of groups = 119  
Center = 48.35882  
StdDev = 0.151761

LCL = 47.90354  
UCL = 48.81411

Number beyond limits = 51  
Number violating runs = 62



## 2th column point of this product



Number of groups = 119

Center = 48.34202

StdDev = 0.169792

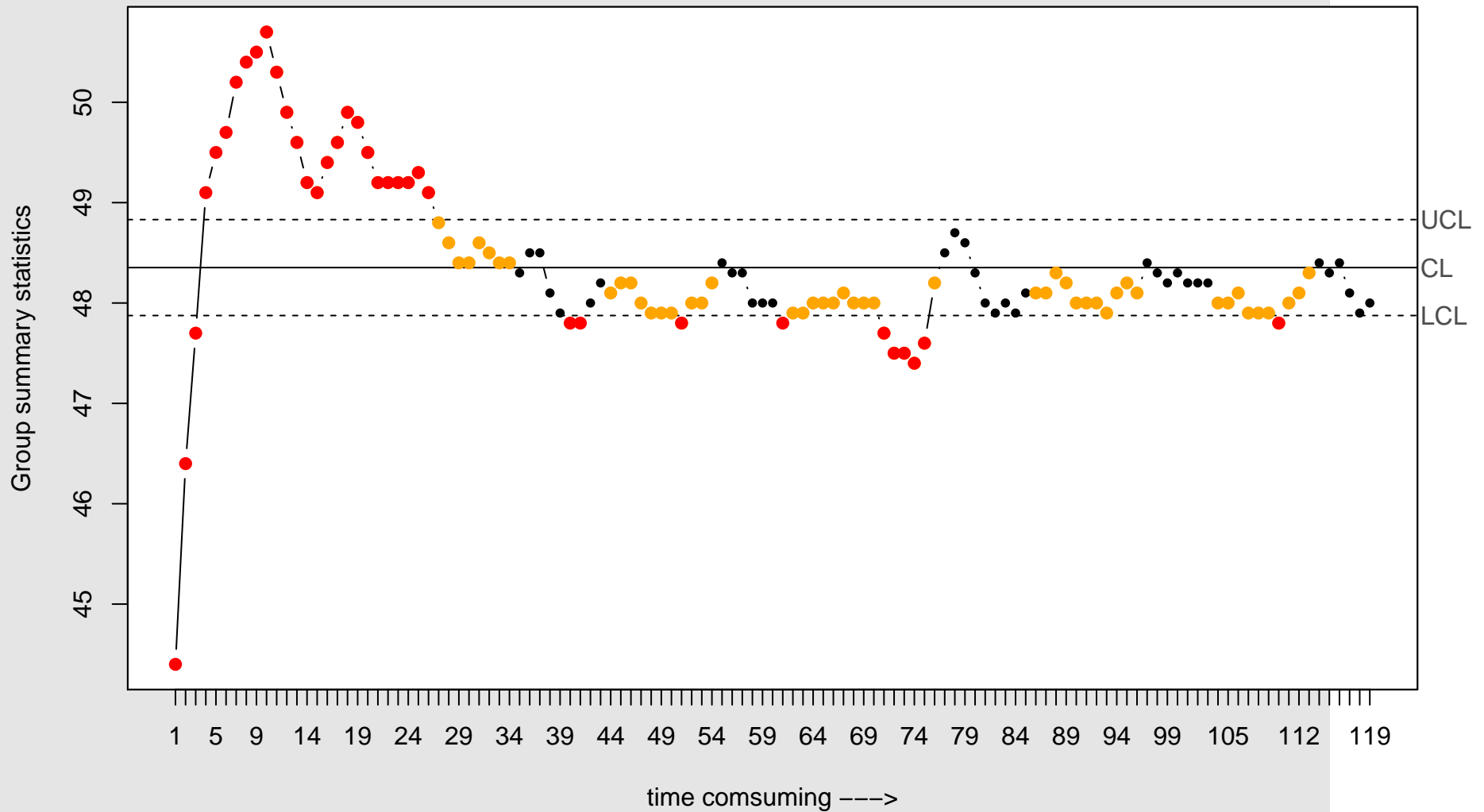
LCL = 47.83264

UCL = 48.85139

Number beyond limits = 40

Number violating runs = 62

### 3th column point of this product



Number of groups = 119

Center = 48.35294

StdDev = 0.159274

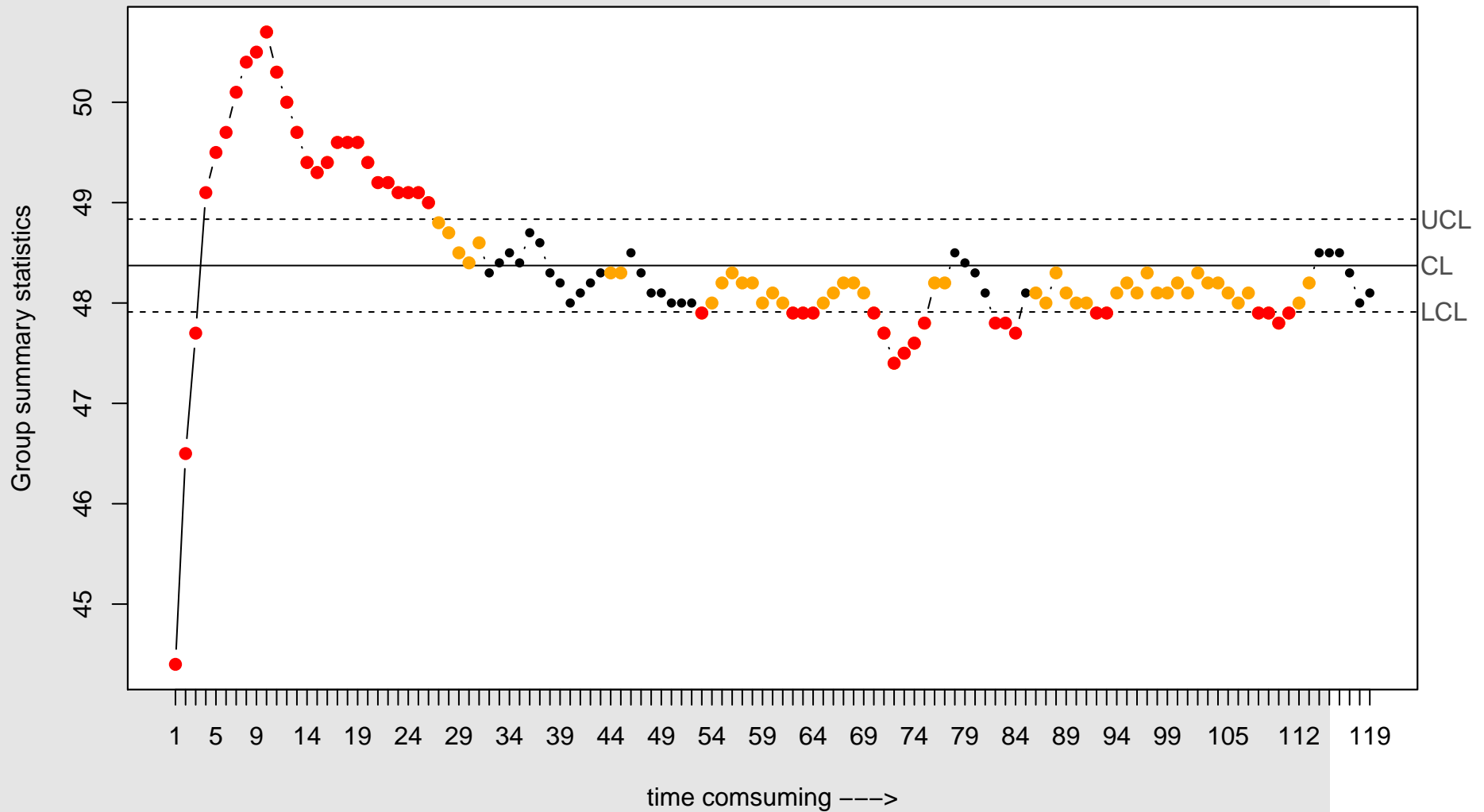
LCL = 47.87512

UCL = 48.83076

Number beyond limits = 36

Number violating runs = 72

### 4th column point of this product



Number of groups = 119

Center = 48.37311

StdDev = 0.1540149

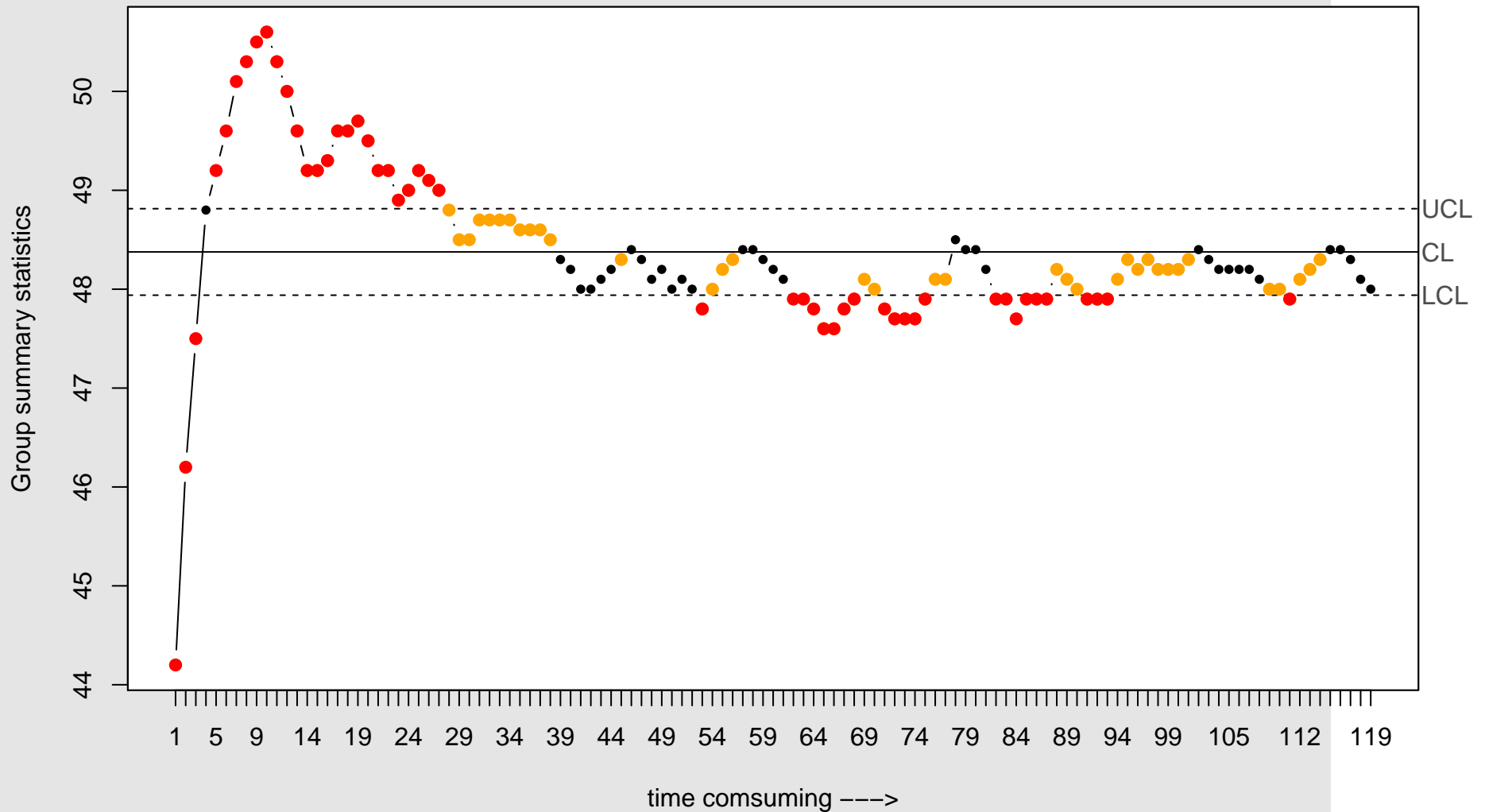
LCL = 47.91106

UCL = 48.83515

Number beyond limits = 45

Number violating runs = 77

### 5th column point of this product



Number of groups = 119

Center = 48.37647

StdDev = 0.1457507

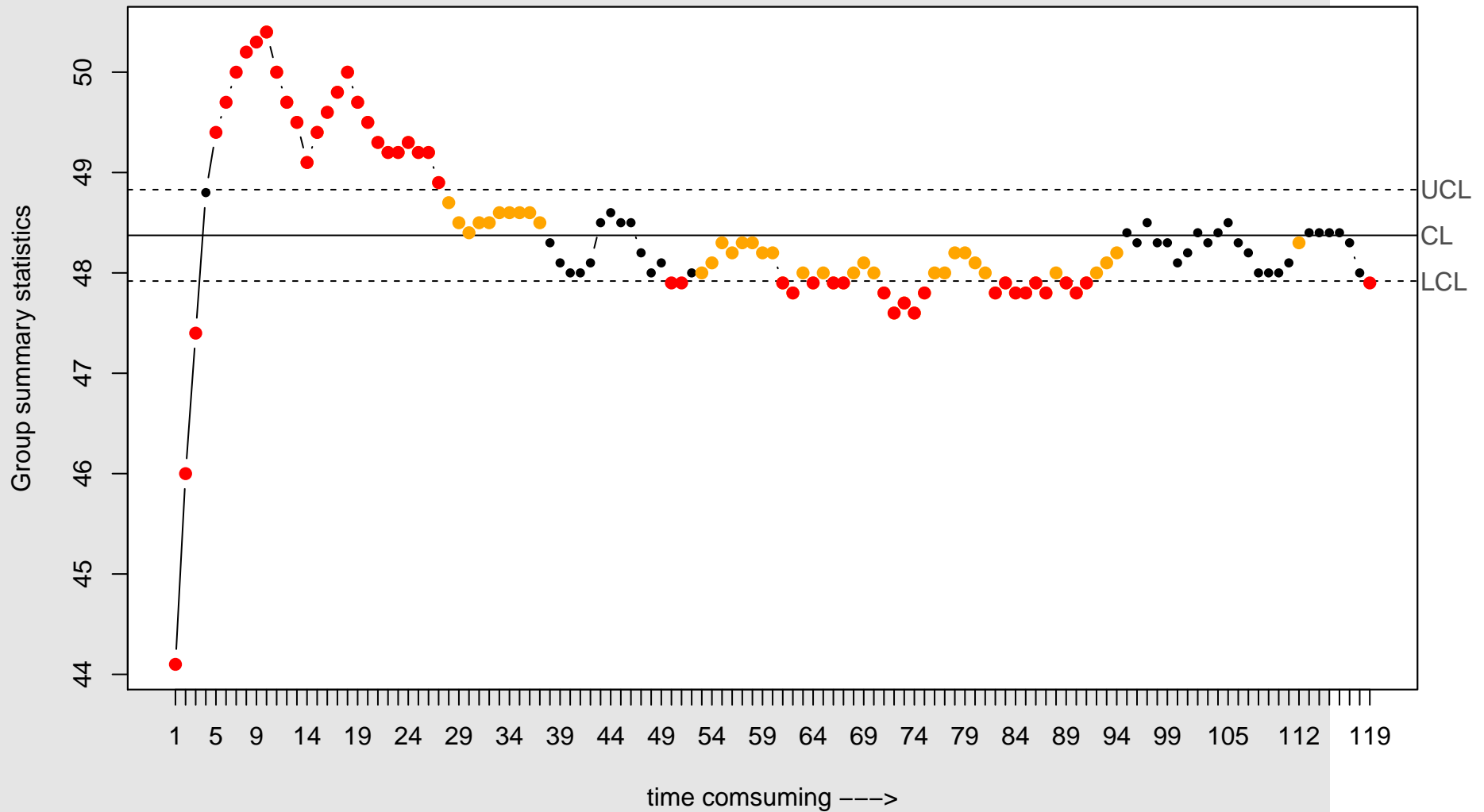
LCL = 47.93922

UCL = 48.81372

Number beyond limits = 49

Number violating runs = 68

## 6th column point of this product



Number of groups = 119

Center = 48.37395

StdDev = 0.151761

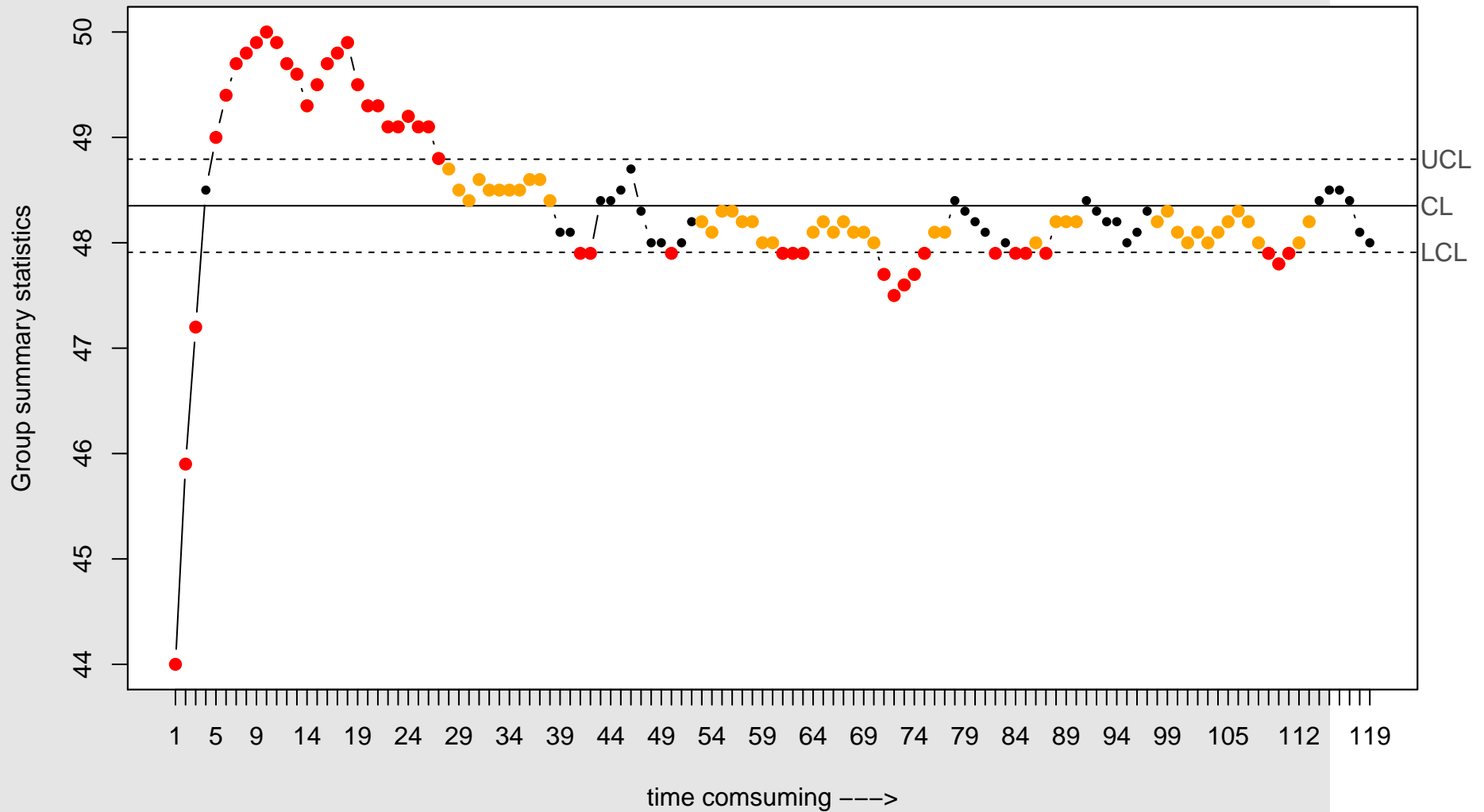
LCL = 47.91867

UCL = 48.82923

Number beyond limits = 48

Number violating runs = 71

### 7th column point of this product



Number of groups = 119

Center = 48.35126

StdDev = 0.1472533

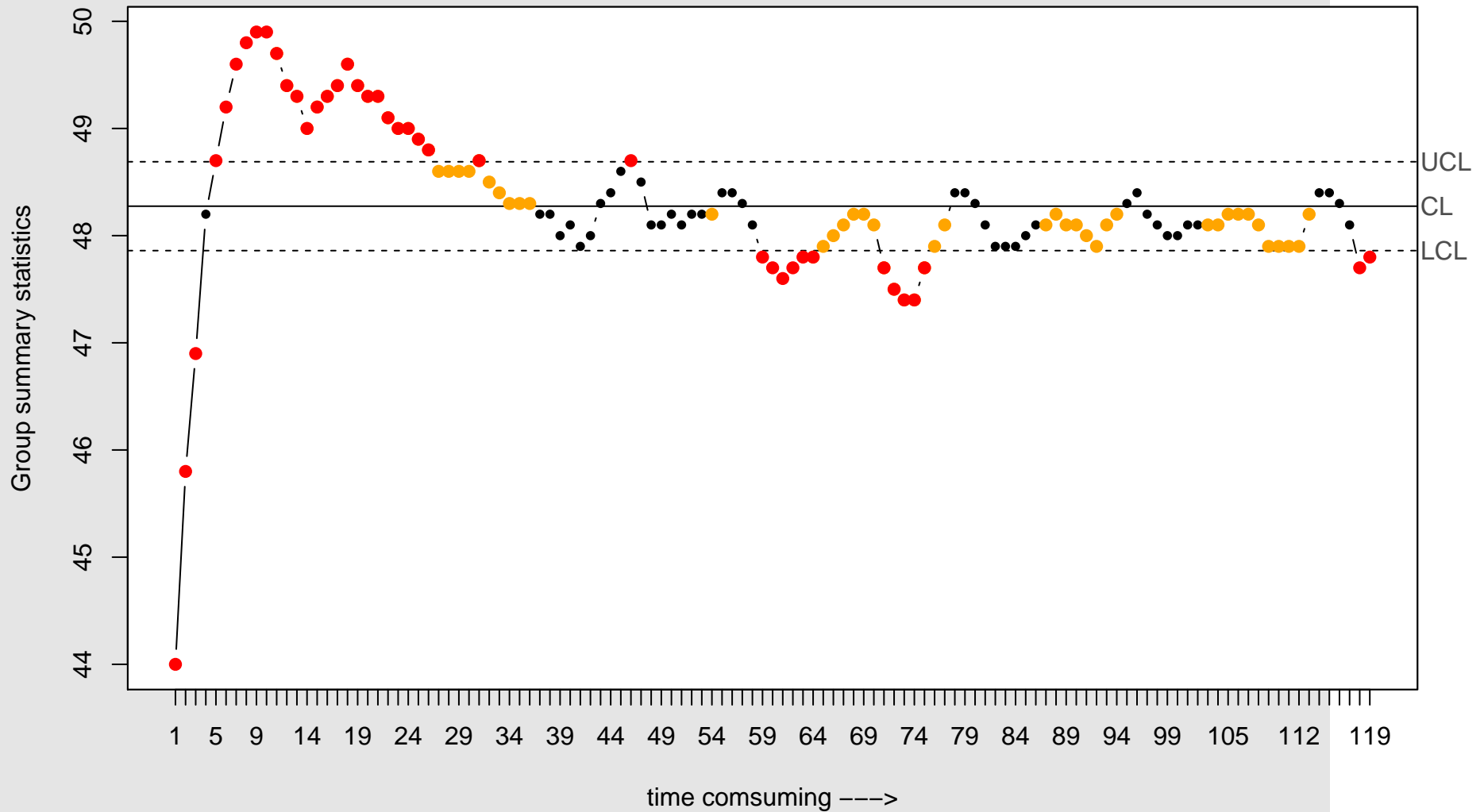
LCL = 47.9095

UCL = 48.79302

Number beyond limits = 44

Number violating runs = 76

# 8th column point of this product



Number of groups = 119

Center = 48.27479

StdDev = 0.1382378

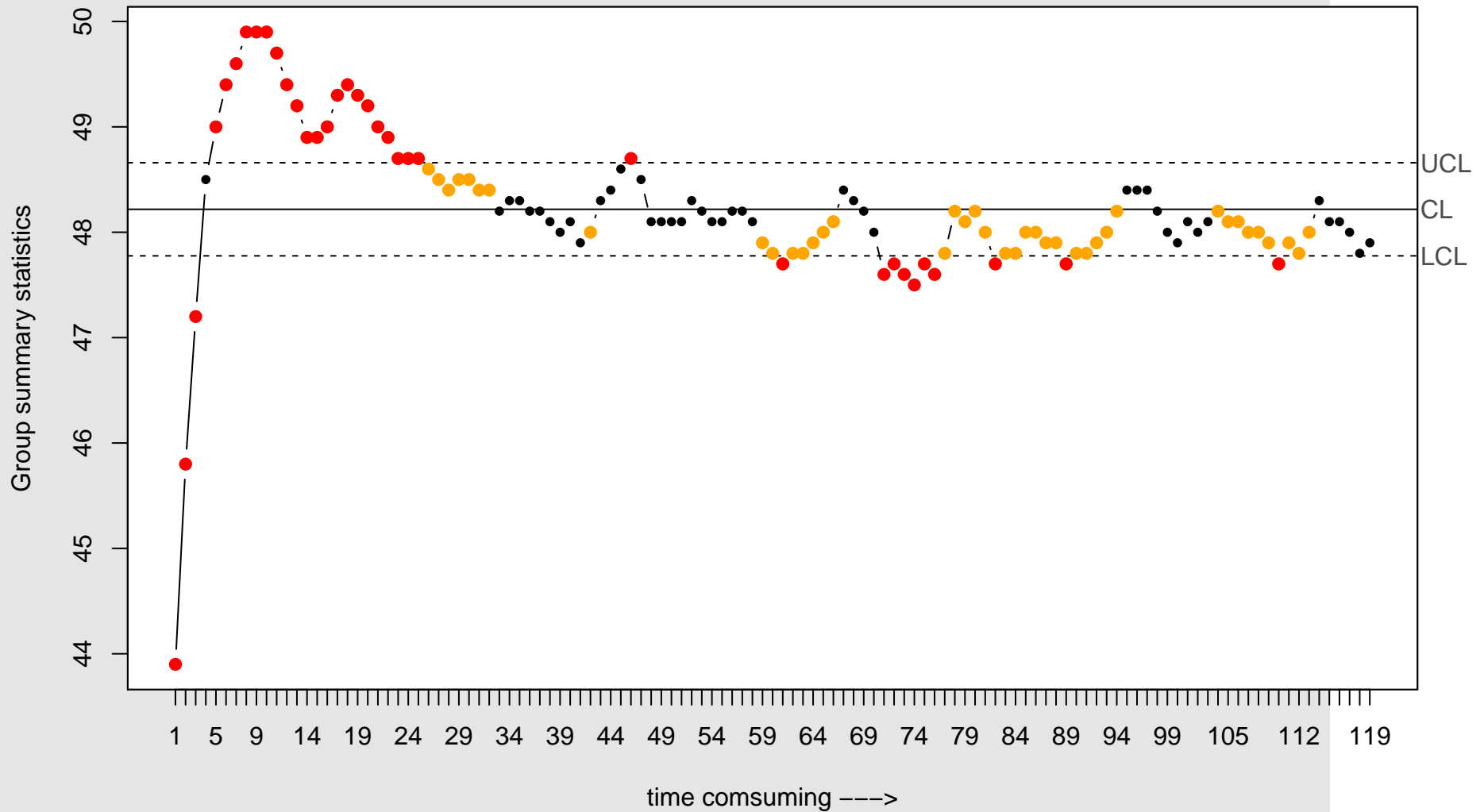
LCL = 47.86008

UCL = 48.6895

Number beyond limits = 40

Number violating runs = 60

### 9th column point of this product



Number of groups = 119

Center = 48.21765

StdDev = 0.1472533

LCL = 47.77589

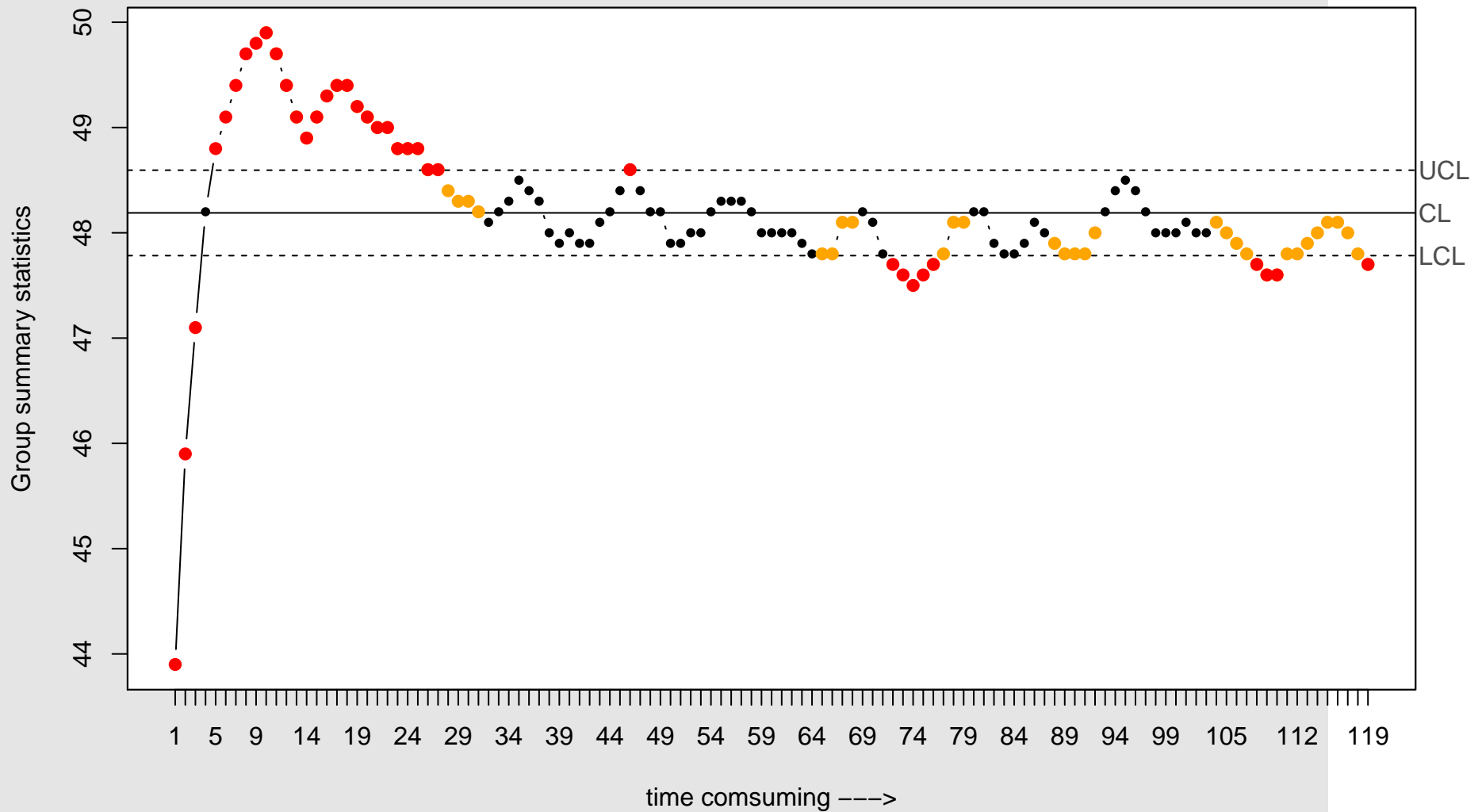
UCL = 48.65941

Number beyond limits = 35

Number violating runs = 62



### 10th column point of this product



Number of groups = 119

Center = 48.18908

StdDev = 0.1352326

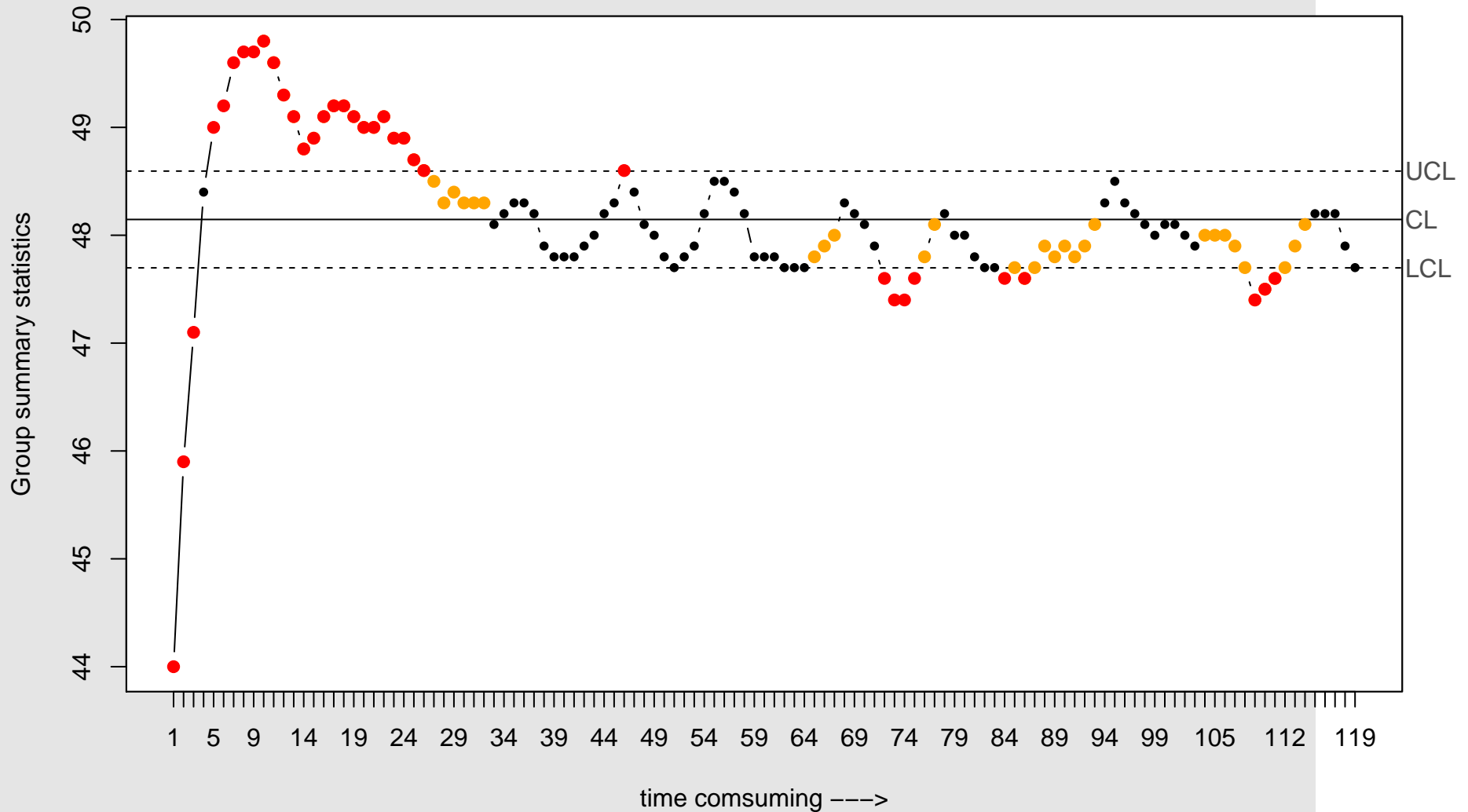
LCL = 47.78338

UCL = 48.59477

Number beyond limits = 36

Number violating runs = 51

### 11th column point of this product

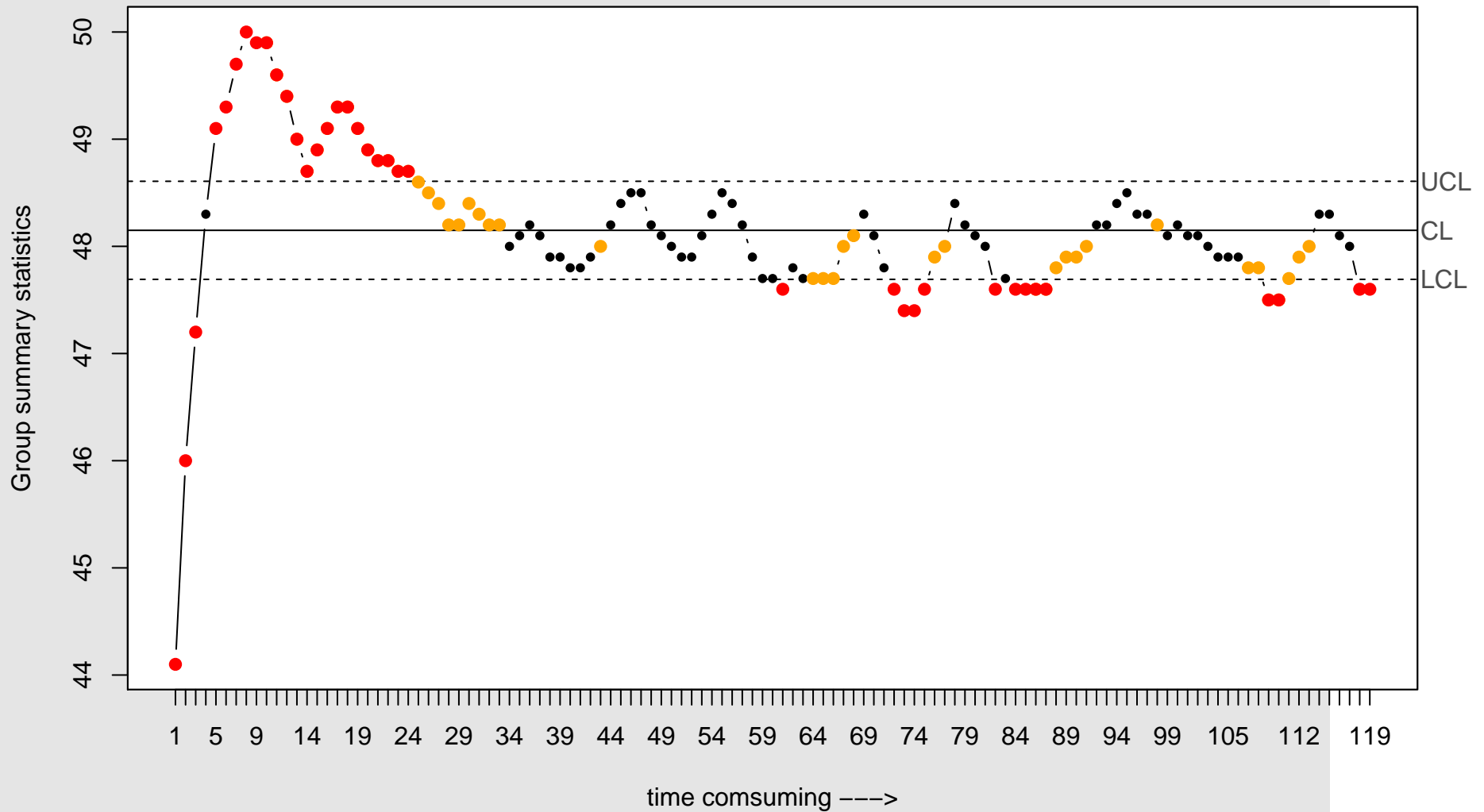


Number of groups = 119  
Center = 48.14622  
StdDev = 0.1495072

LCL = 47.6977  
UCL = 48.59474

Number beyond limits = 35  
Number violating runs = 48

## 12th column point of this product



Number of groups = 119

Center = 48.14958

StdDev = 0.1525123

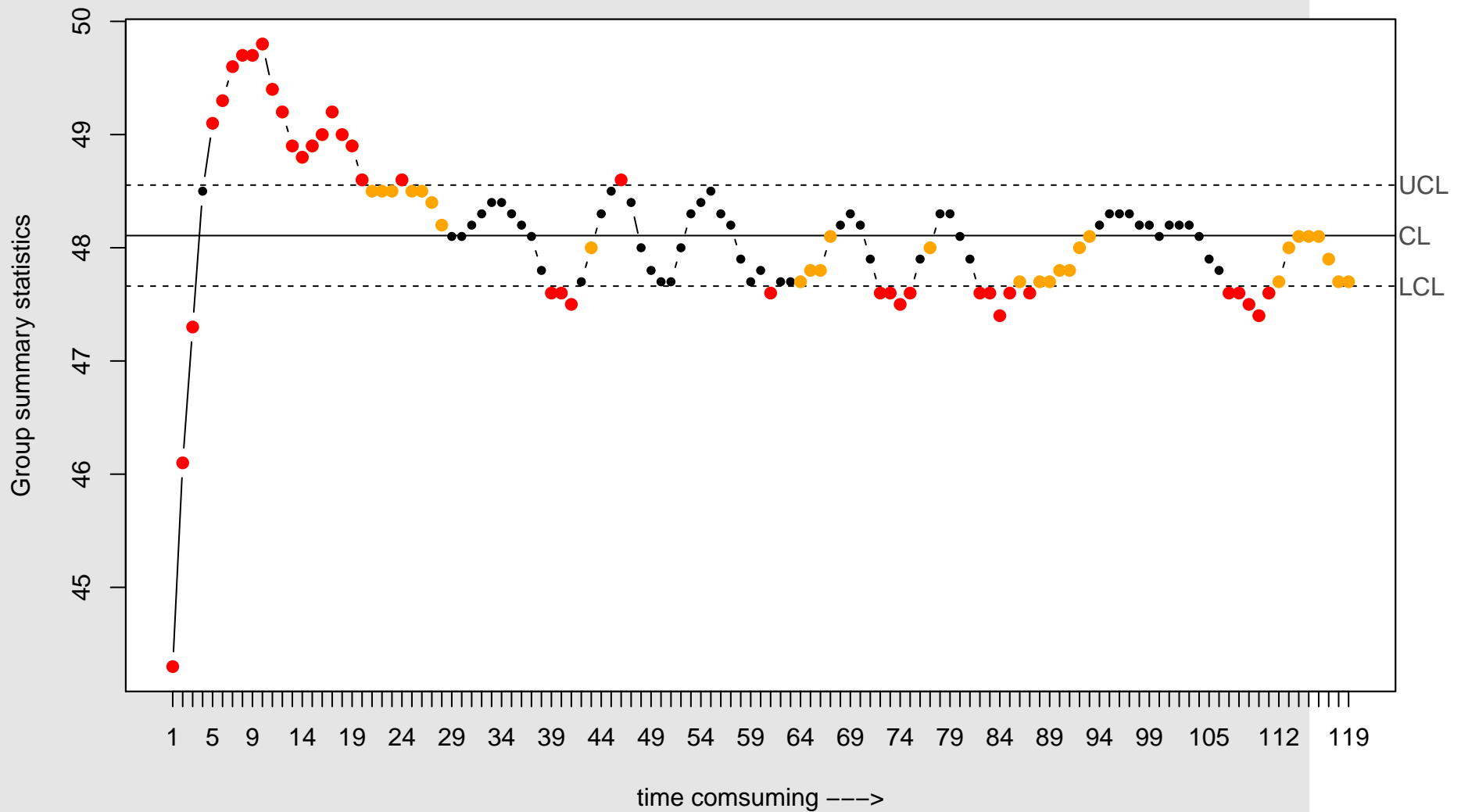
LCL = 47.69204

UCL = 48.60712

Number beyond limits = 37

Number violating runs = 46

### 13th column point of this product



Number of groups = 119

Center = 48.10756

StdDev = 0.1487559

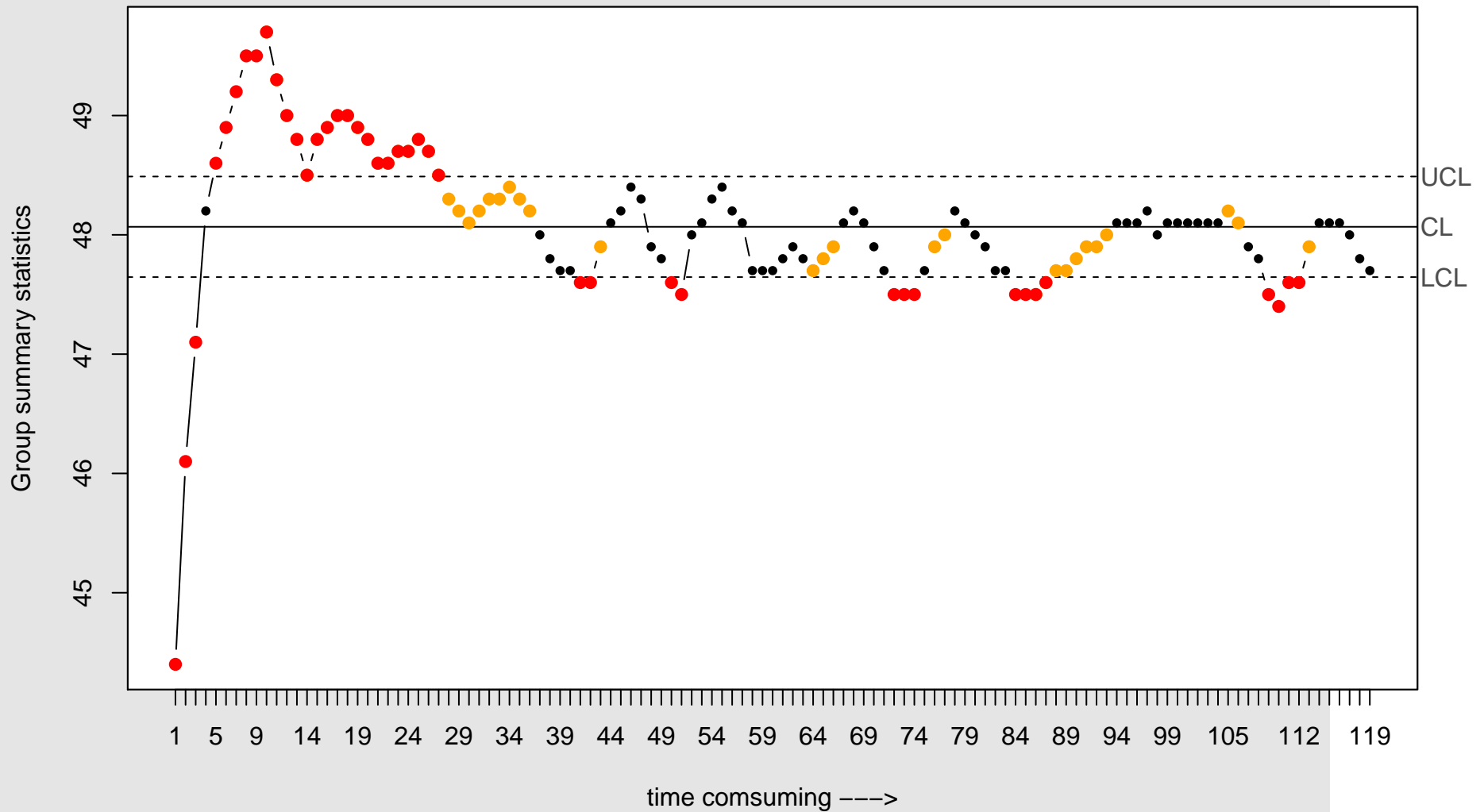
LCL = 47.6613

UCL = 48.55383

Number beyond limits = 39

Number violating runs = 43

# 14th column point of this product



Number of groups = 119

Center = 48.06723

StdDev = 0.1404916

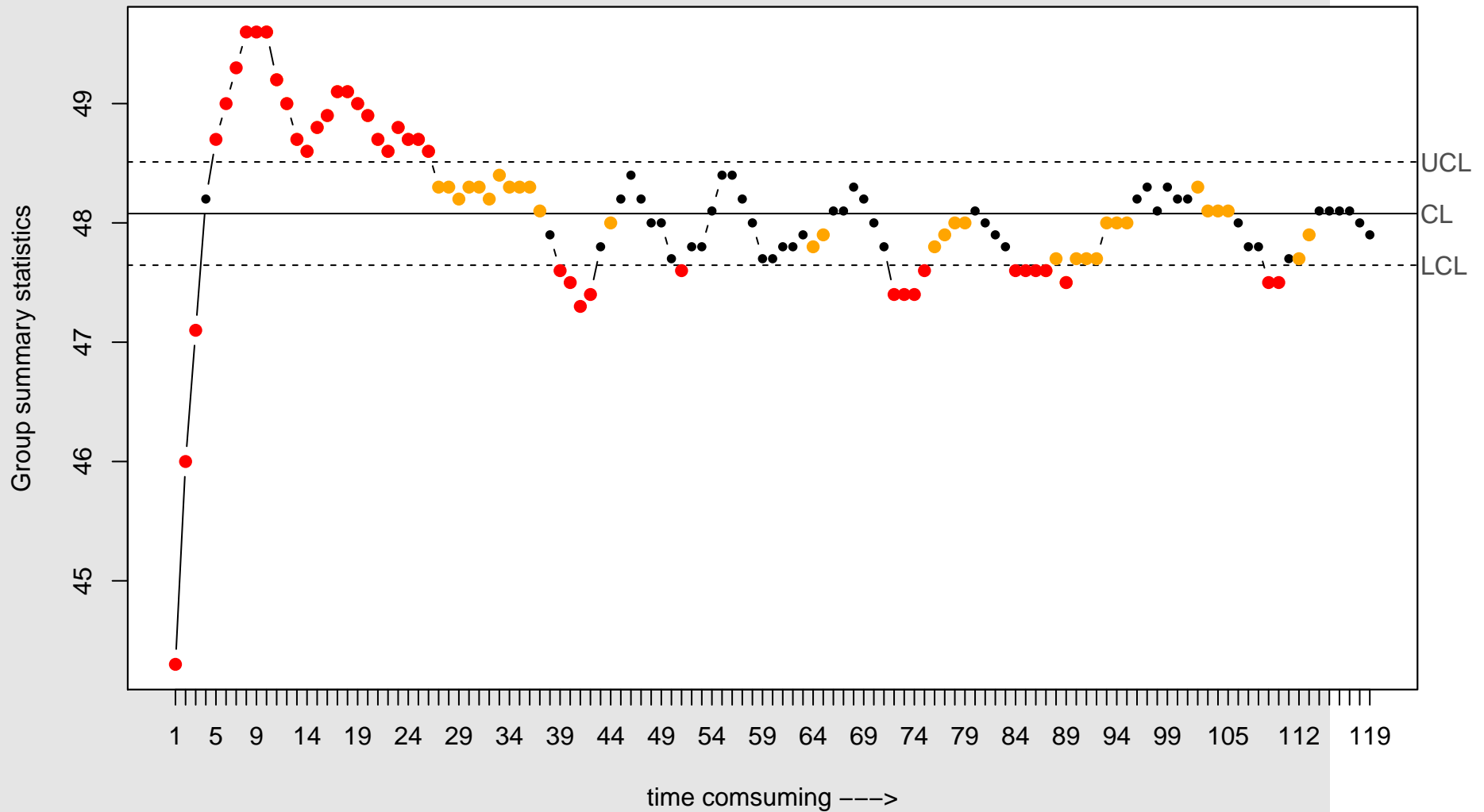
LCL = 47.64575

UCL = 48.4887

Number beyond limits = 41

Number violating runs = 44

# 15th column point of this product



Number of groups = 119

Center = 48.07815

StdDev = 0.1442481

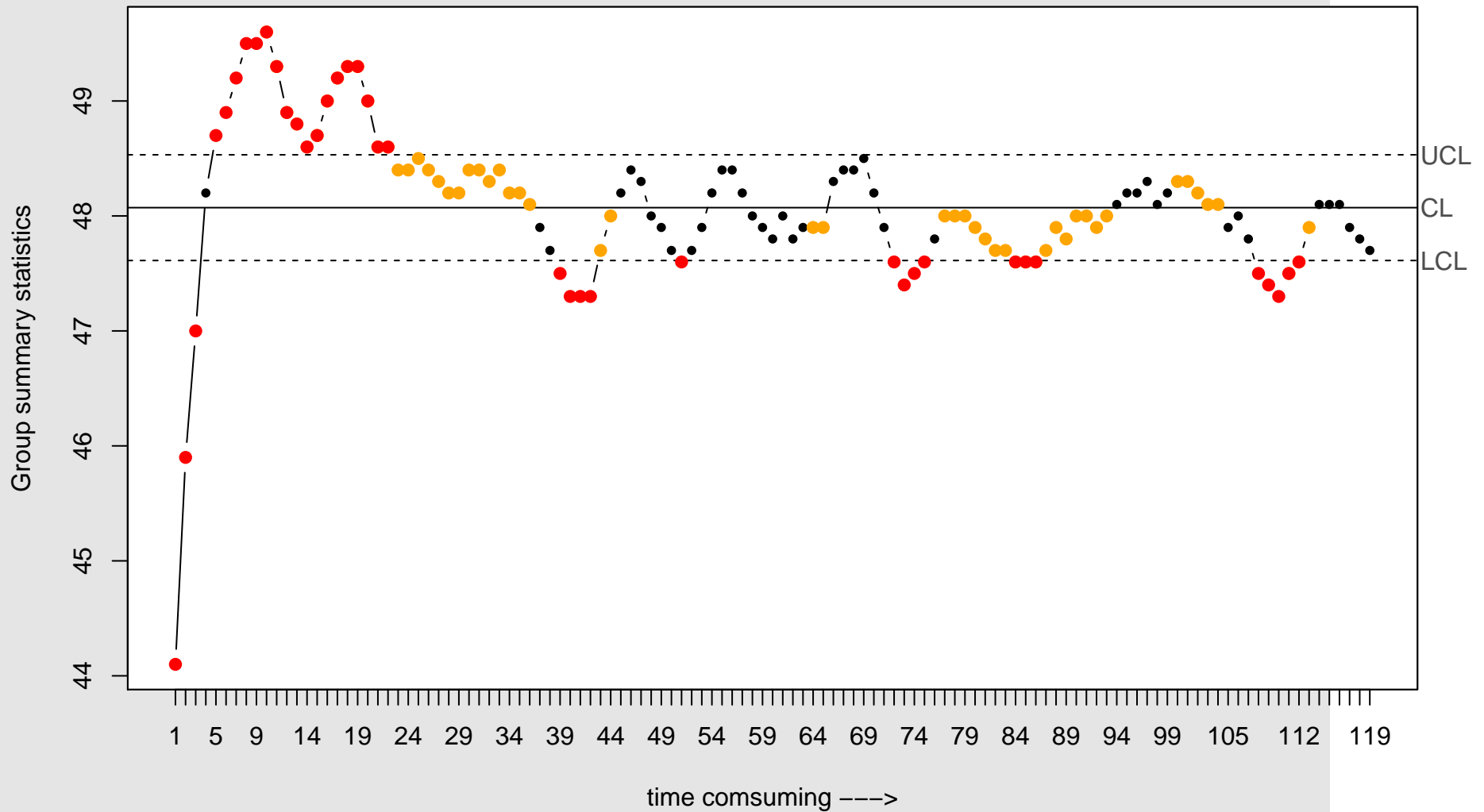
LCL = 47.64541

UCL = 48.5109

Number beyond limits = 41

Number violating runs = 50

# 16th column point of this product

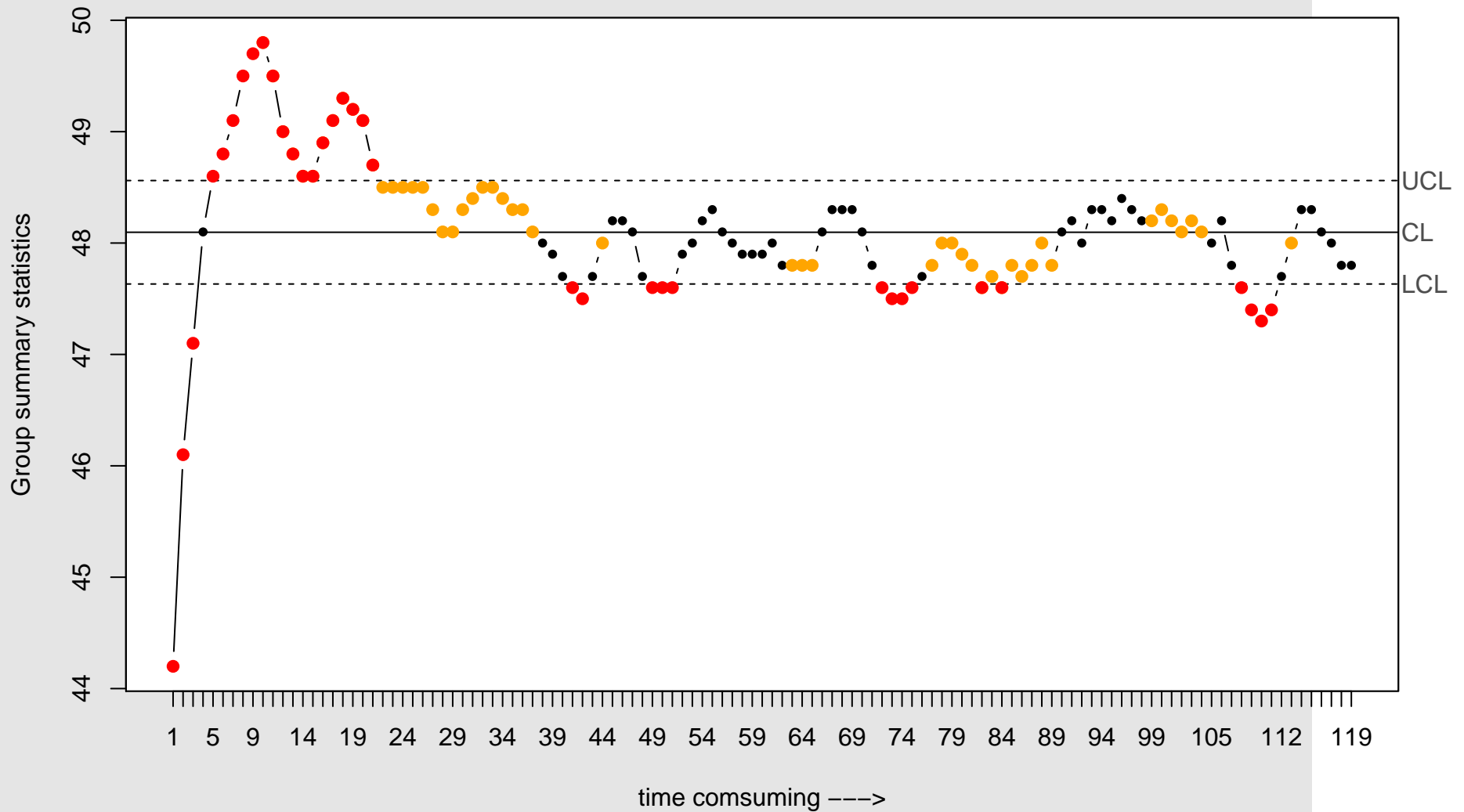


Number of groups = 119  
 Center = 48.07227  
 StdDev = 0.1532636

LCL = 47.61248  
 UCL = 48.53206

Number beyond limits = 38  
 Number violating runs = 56

### 17th column point of this product



Number of groups = 119

Center = 48.09664

StdDev = 0.1547662

LCL = 47.63234

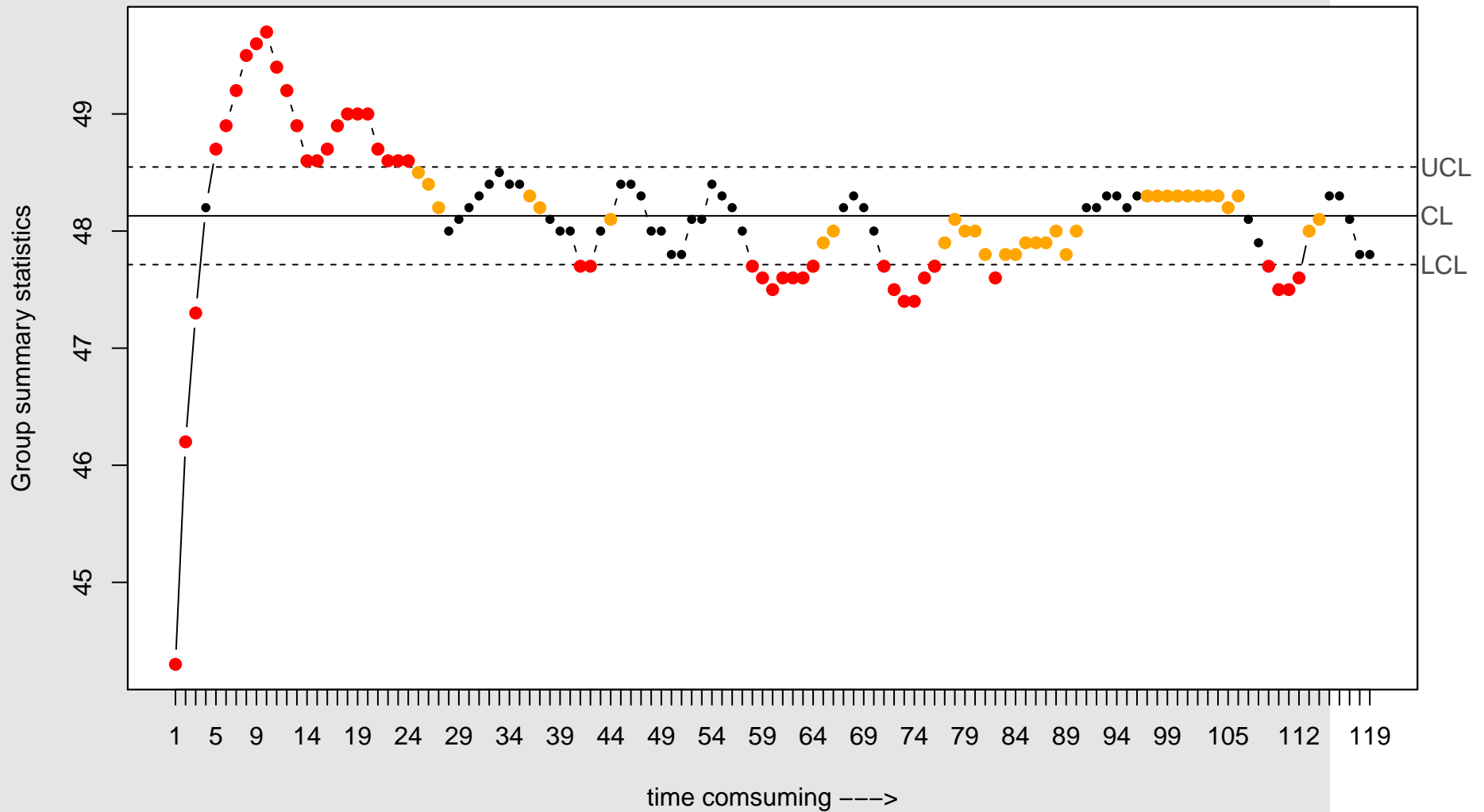
UCL = 48.56094

Number beyond limits = 35

Number violating runs = 52



# 18th column point of this product



Number of groups = 119

Center = 48.13025

StdDev = 0.1389891

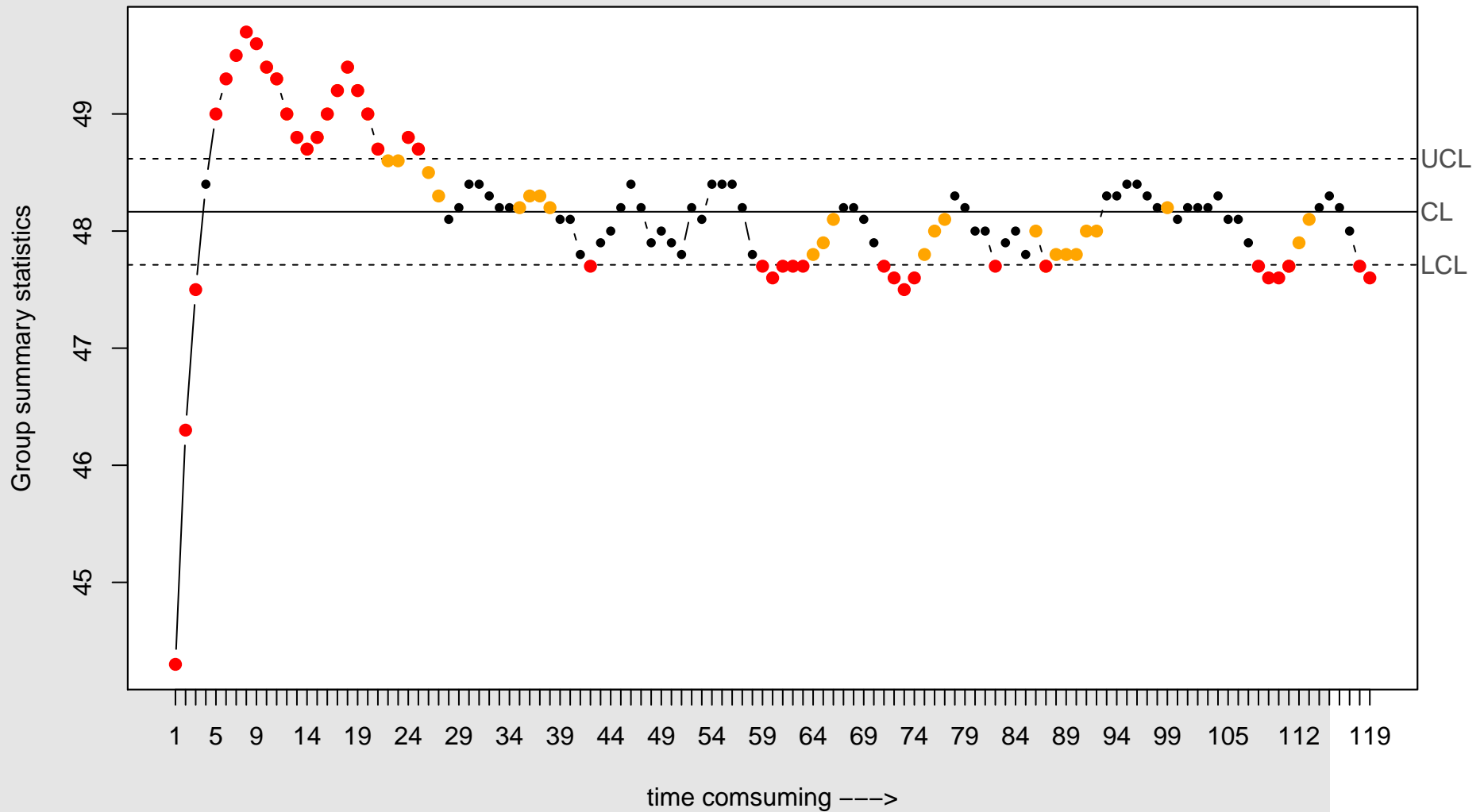
LCL = 47.71328

UCL = 48.54722

Number beyond limits = 43

Number violating runs = 52

# 19th column point of this product



Number of groups = 119

Center = 48.16471

StdDev = 0.1510097

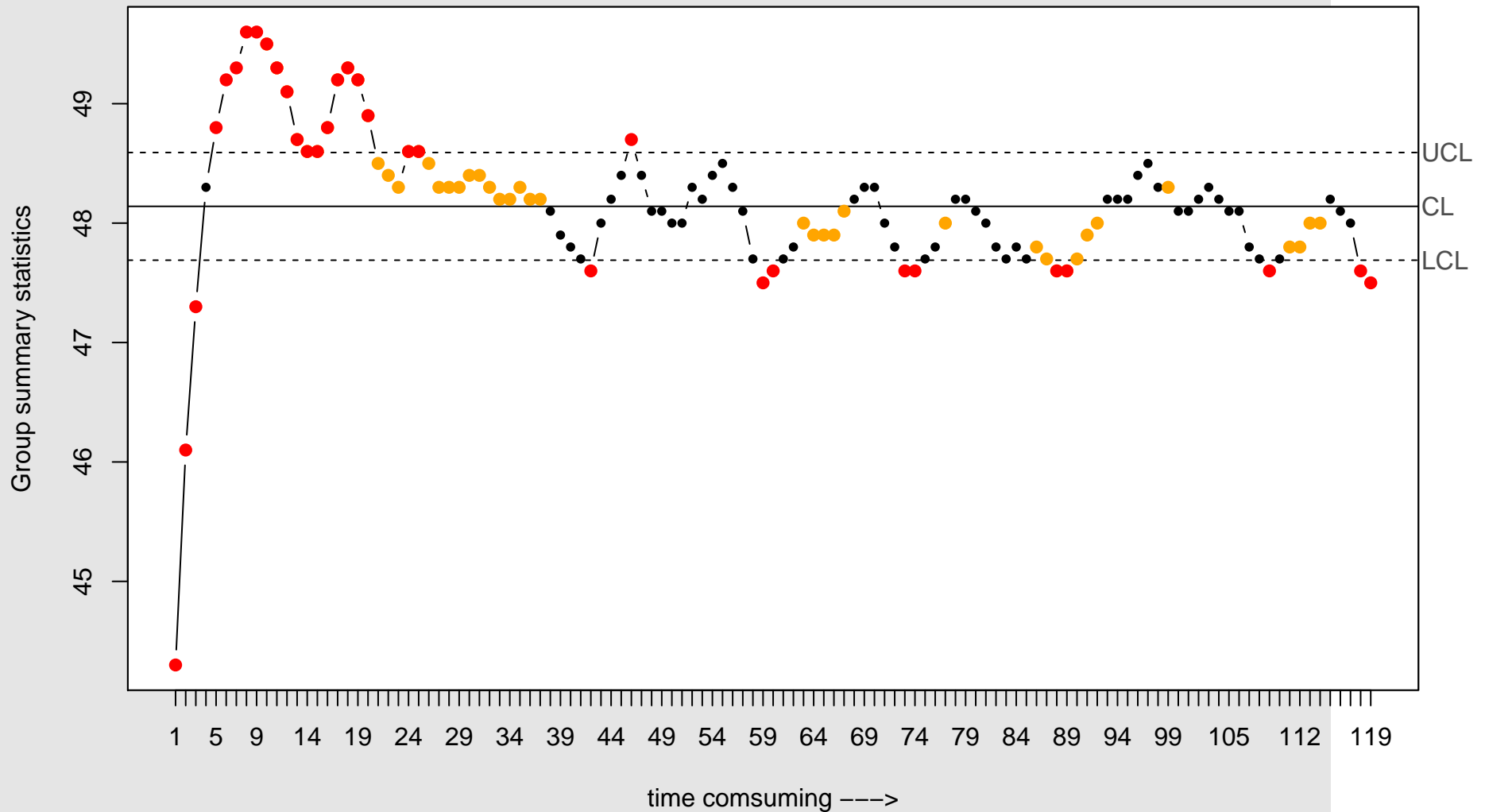
LCL = 47.71168

UCL = 48.61774

Number beyond limits = 40

Number violating runs = 39

## 20th column point of this product



Number of groups = 119

Center = 48.14034

StdDev = 0.1502584

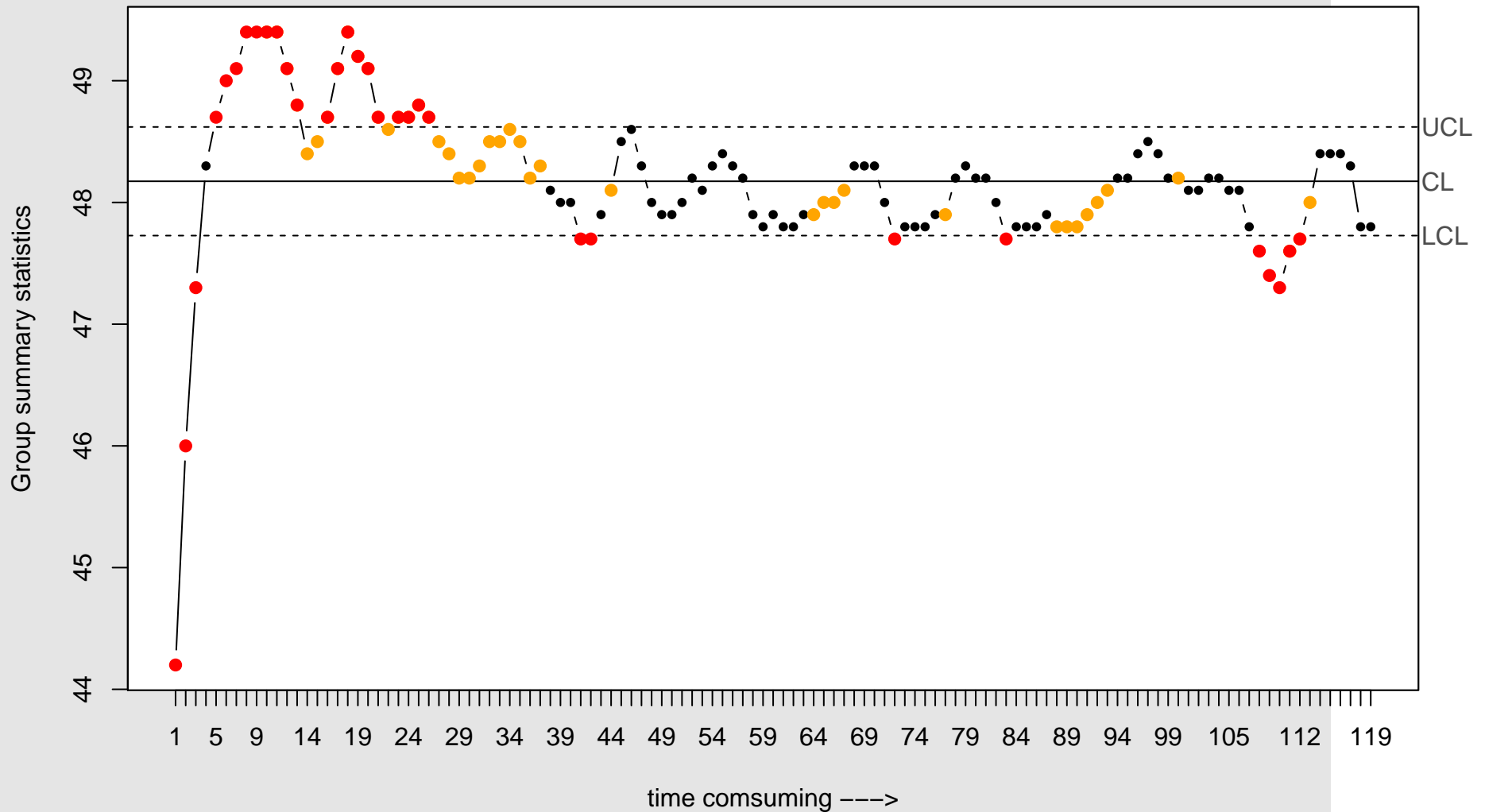
LCL = 47.68956

UCL = 48.59111

Number beyond limits = 32

Number violating runs = 46

## 21th column point of this product



Number of groups = 119

Center = 48.17395

StdDev = 0.1487559

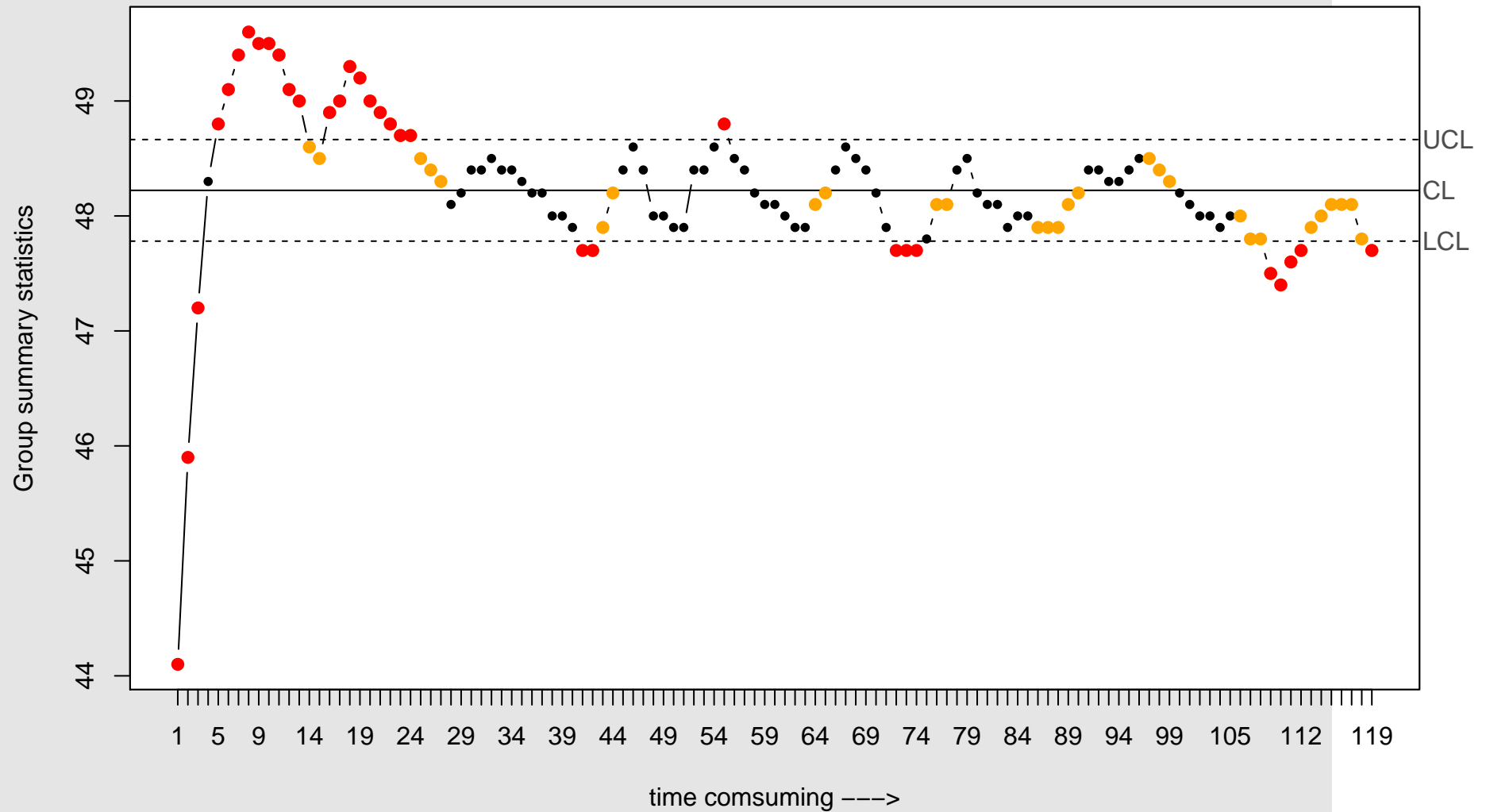
LCL = 47.72768

UCL = 48.62022

Number beyond limits = 31

Number violating runs = 44

## 22th column point of this product



Number of groups = 119

Center = 48.22269

StdDev = 0.1472533

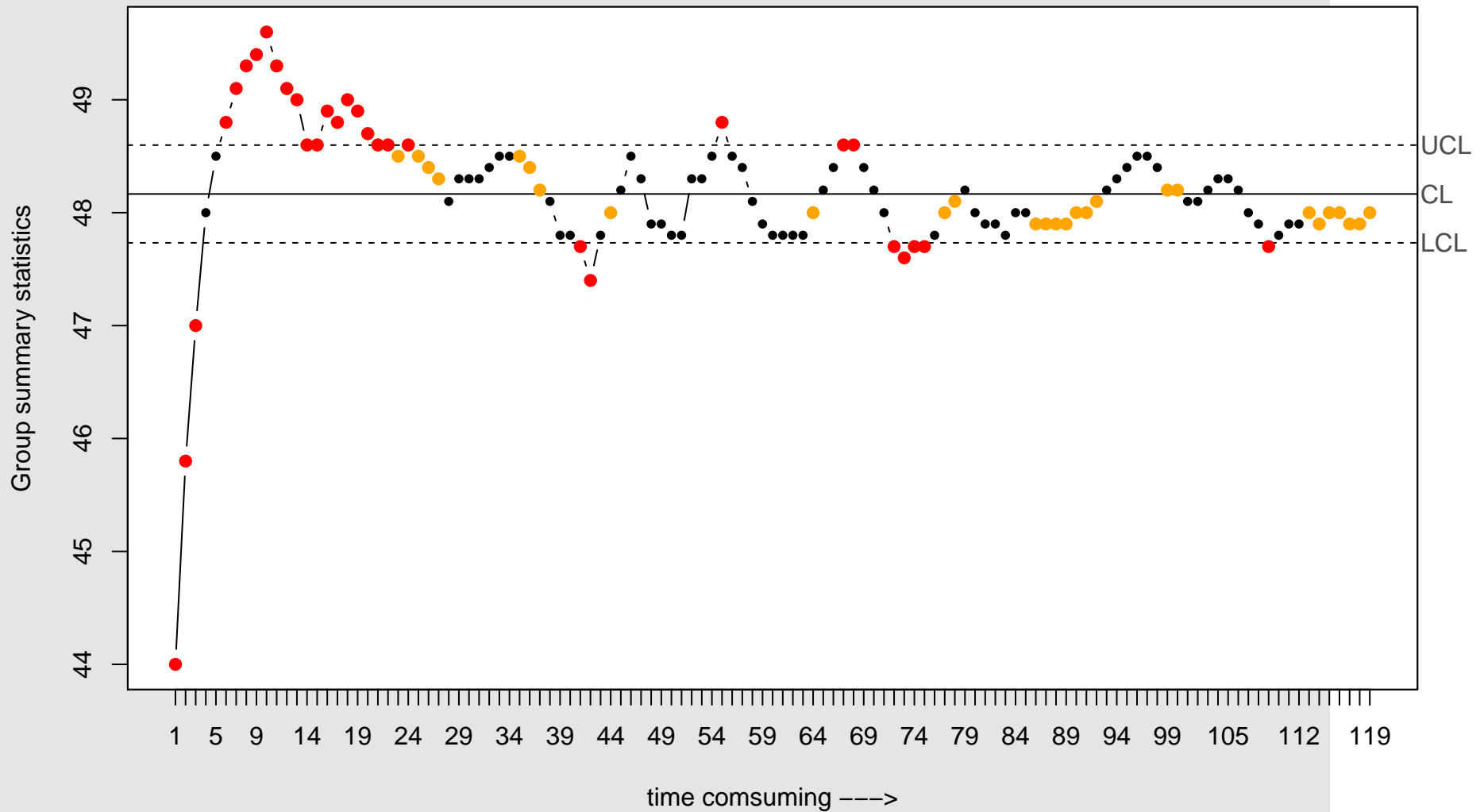
LCL = 47.78093

UCL = 48.66445

Number beyond limits = 32

Number violating runs = 47

## 23th column point of this product



Number of groups = 119

Center = 48.16555

StdDev = 0.1442481

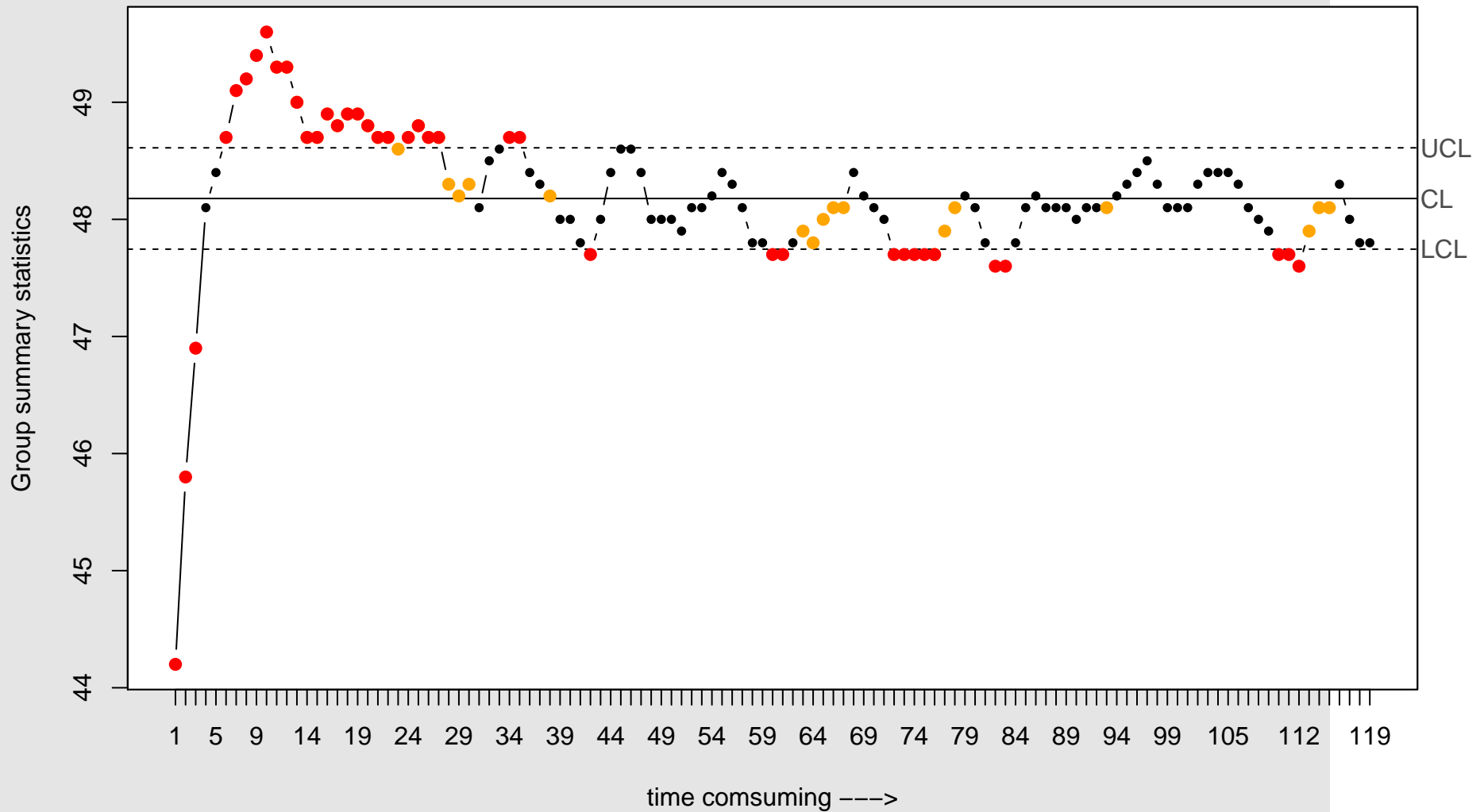
LCL = 47.7328

UCL = 48.59829

Number beyond limits = 31

Number violating runs = 40

## 24th column point of this product



Number of groups = 119

Center = 48.17815

StdDev = 0.1442481

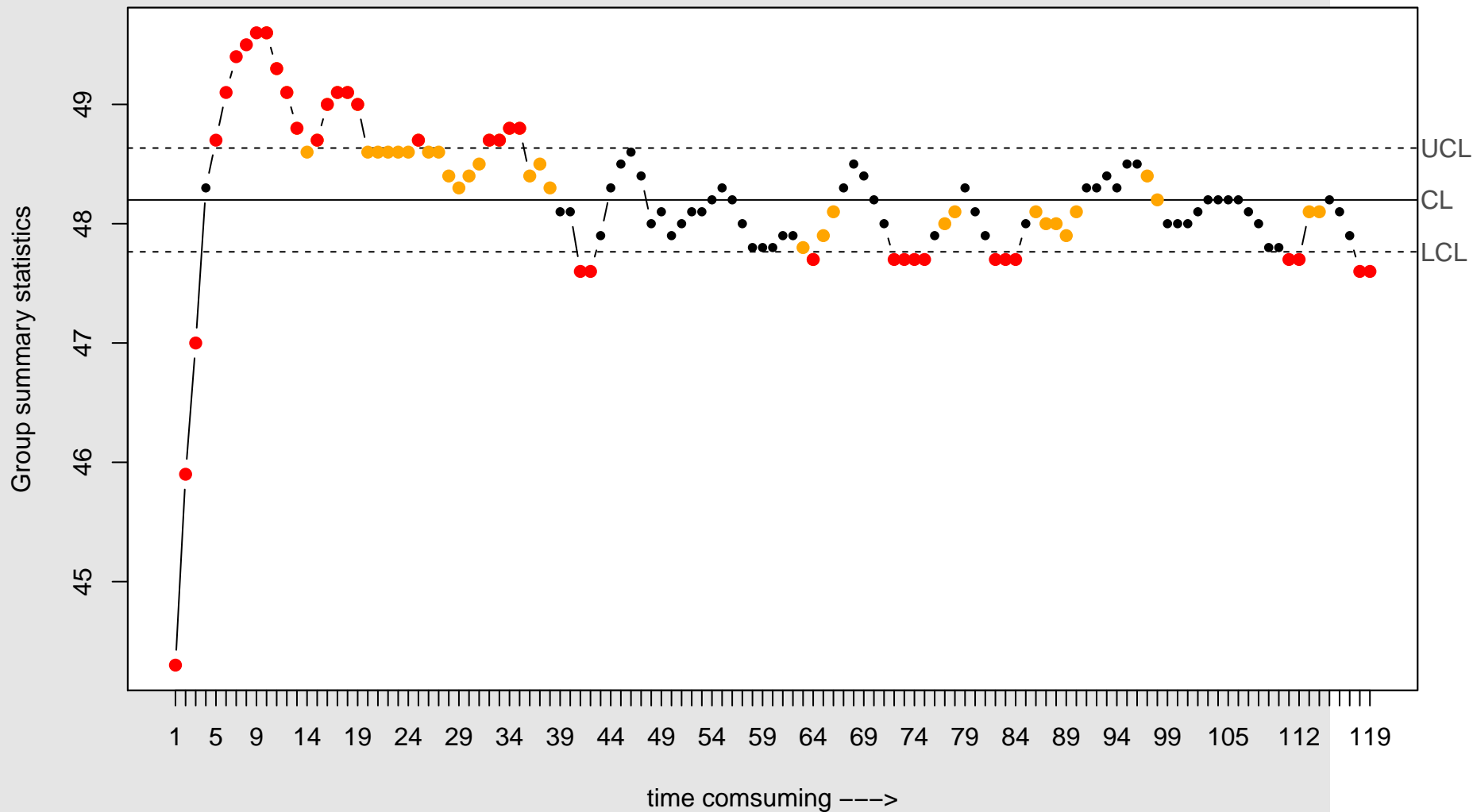
LCL = 47.74541

UCL = 48.6109

Number beyond limits = 39

Number violating runs = 33

## 25th column point of this product



Number of groups = 119

Center = 48.19916

StdDev = 0.1449994

LCL = 47.76416

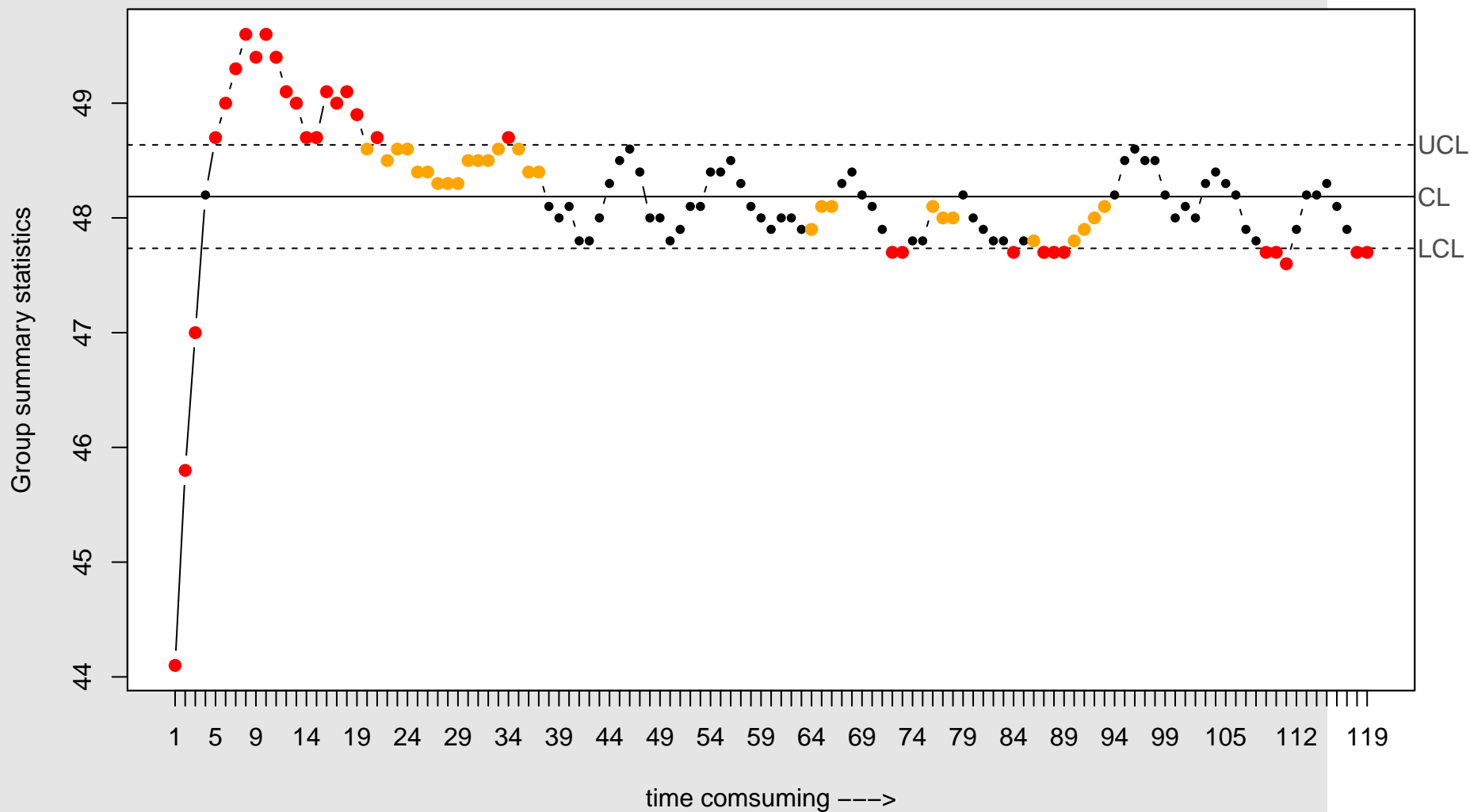
UCL = 48.63416

Number beyond limits = 36

Number violating runs = 44



## 26th column point of this product



Number of groups = 119

Center = 48.18571

StdDev = 0.1502584

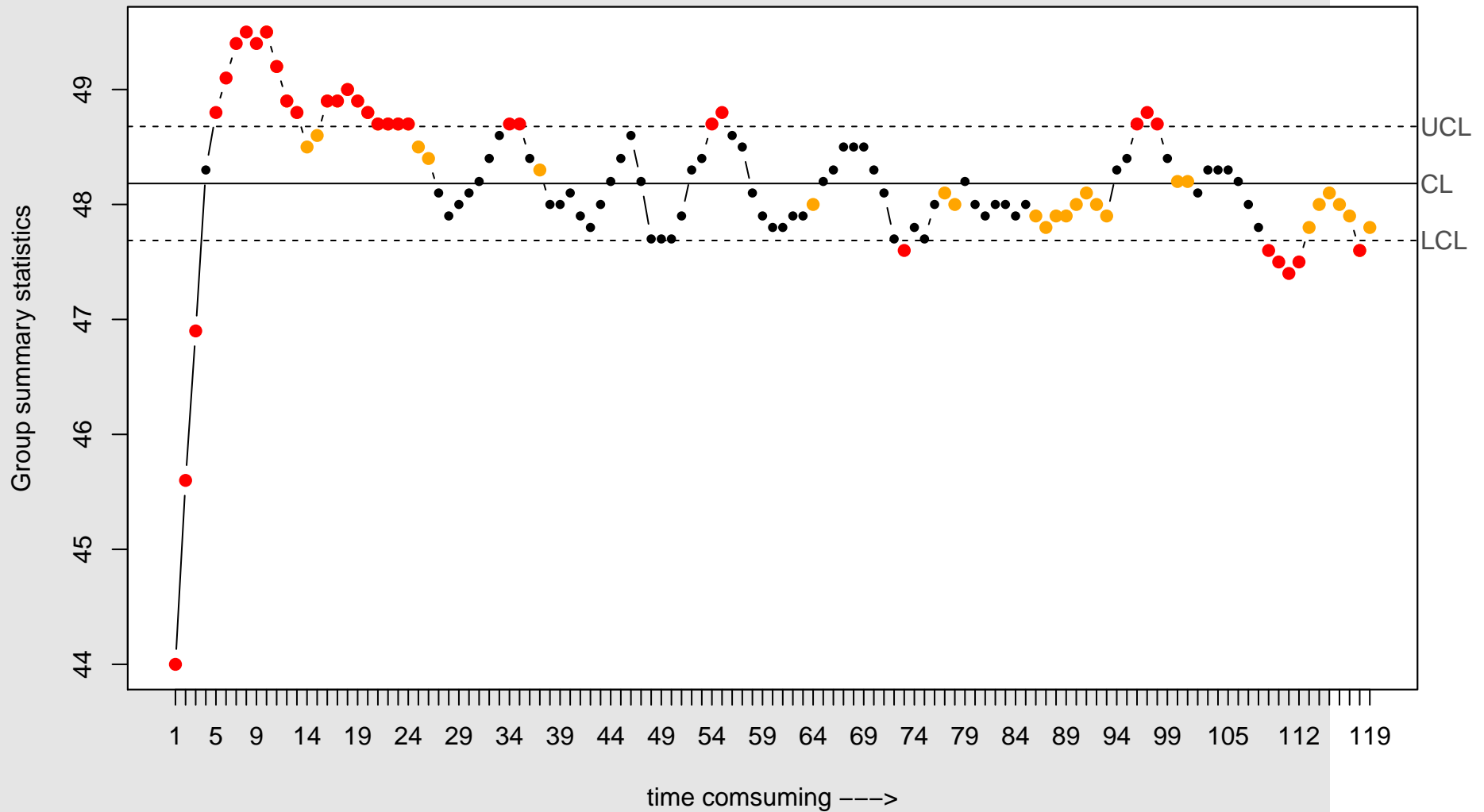
LCL = 47.73494

UCL = 48.63649

Number beyond limits = 31

Number violating runs = 42

## 27th column point of this product



Number of groups = 119

Center = 48.18235

StdDev = 0.1652843

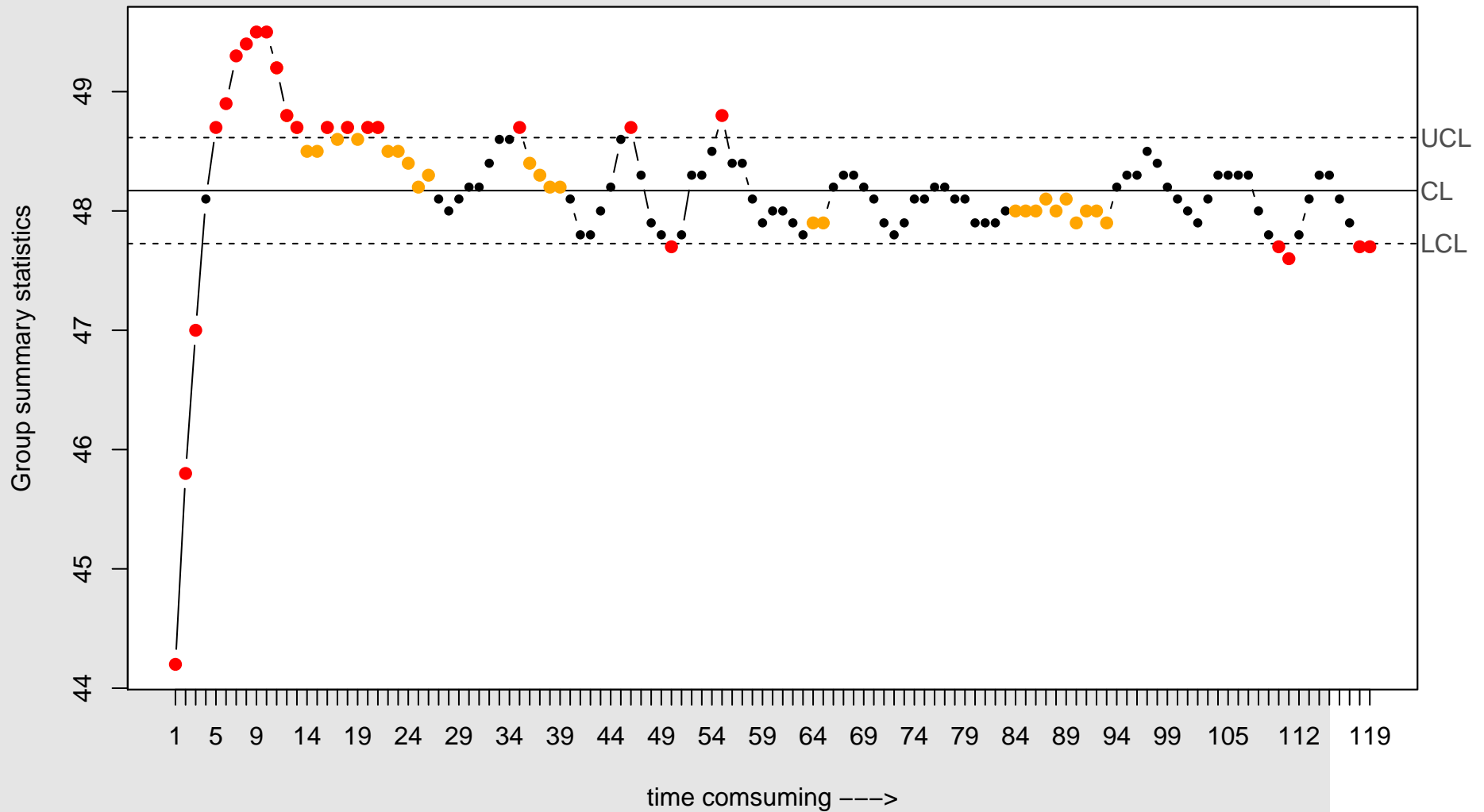
LCL = 47.6865

UCL = 48.67821

Number beyond limits = 34

Number violating runs = 38

## 28th column point of this product



Number of groups = 119

Center = 48.17059

StdDev = 0.1480046

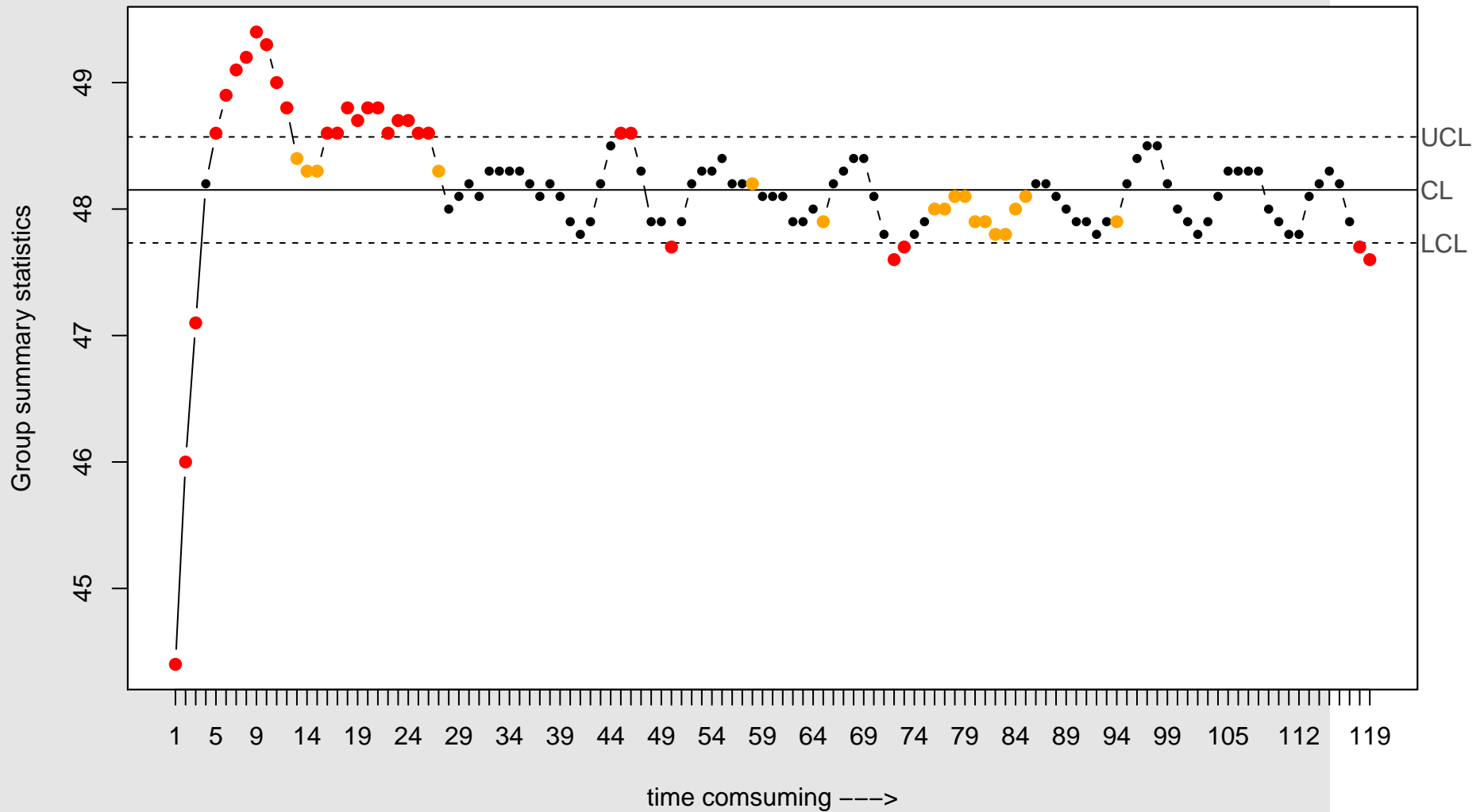
LCL = 47.72657

UCL = 48.6146

Number beyond limits = 24

Number violating runs = 32

## 29th column point of this product



Number of groups = 119

Center = 48.15126

StdDev = 0.1397404

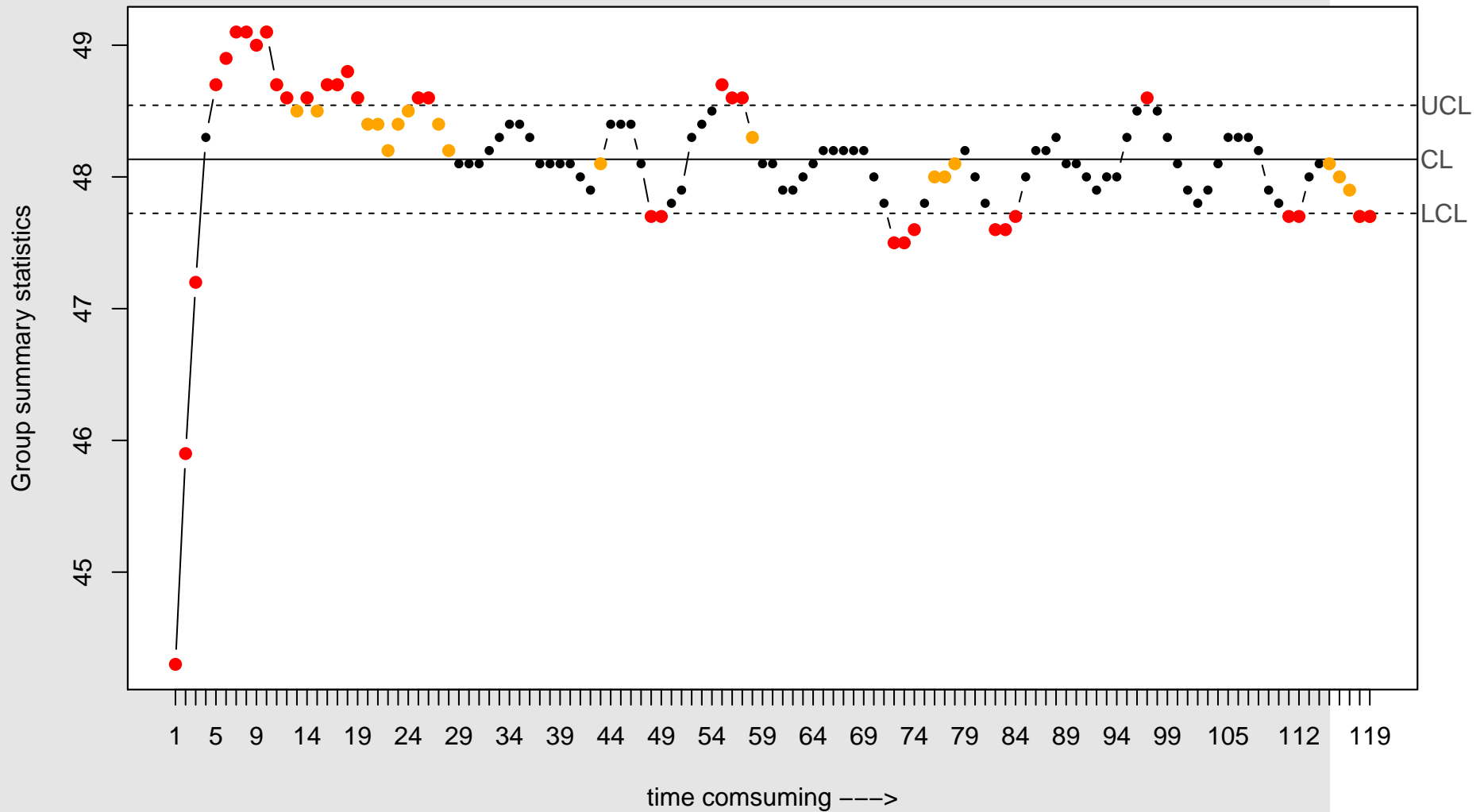
LCL = 47.73204

UCL = 48.57048

Number beyond limits = 29

Number violating runs = 31

### 30th column point of this product



Number of groups = 119

Center = 48.13361

StdDev = 0.1367352

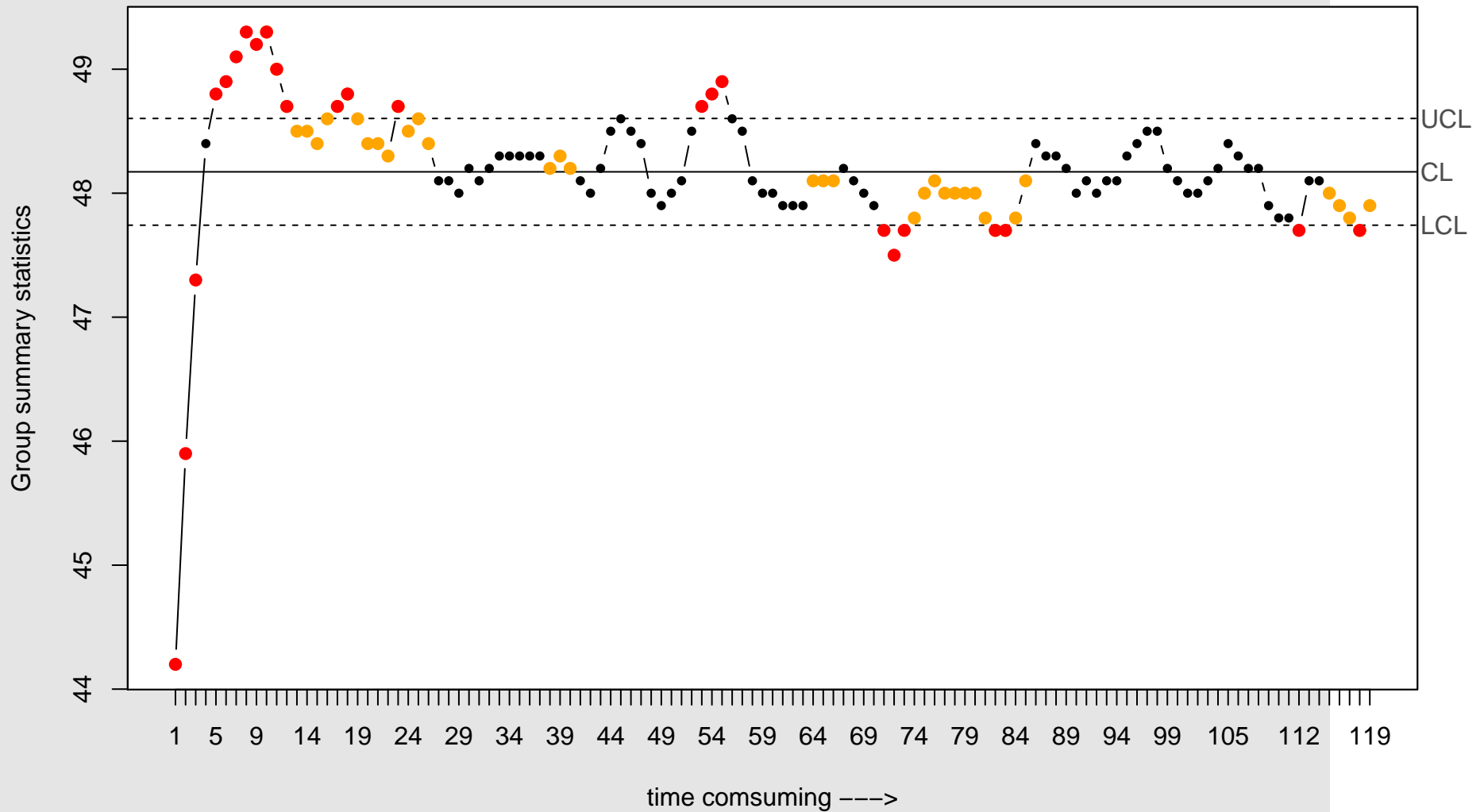
LCL = 47.72341

UCL = 48.54382

Number beyond limits = 34

Number violating runs = 29

### 31th column point of this product



Number of groups = 119

Center = 48.17227

StdDev = 0.1434968

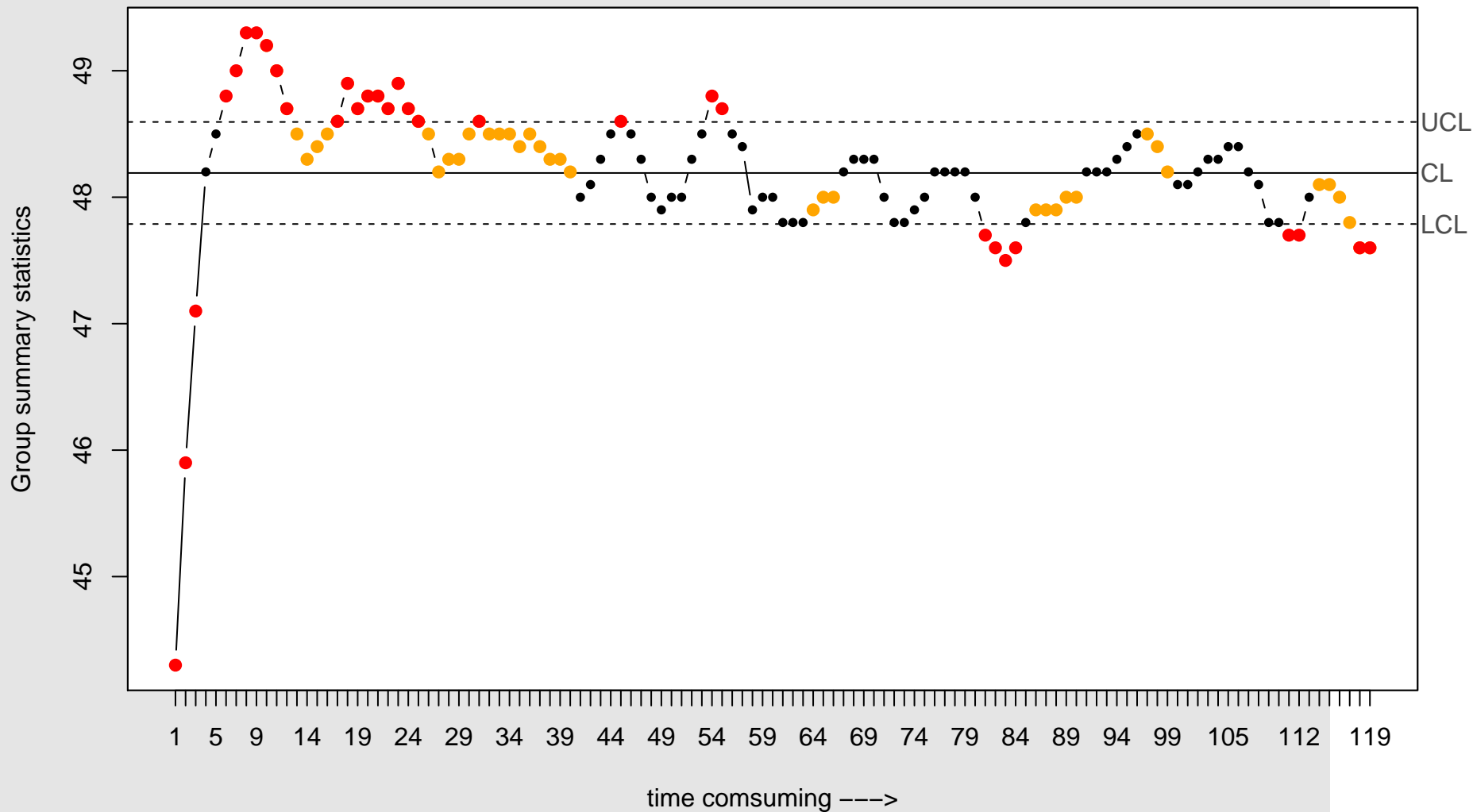
LCL = 47.74178

UCL = 48.60276

Number beyond limits = 24

Number violating runs = 40

### 32th column point of this product



Number of groups = 119

Center = 48.1916

StdDev = 0.1344813

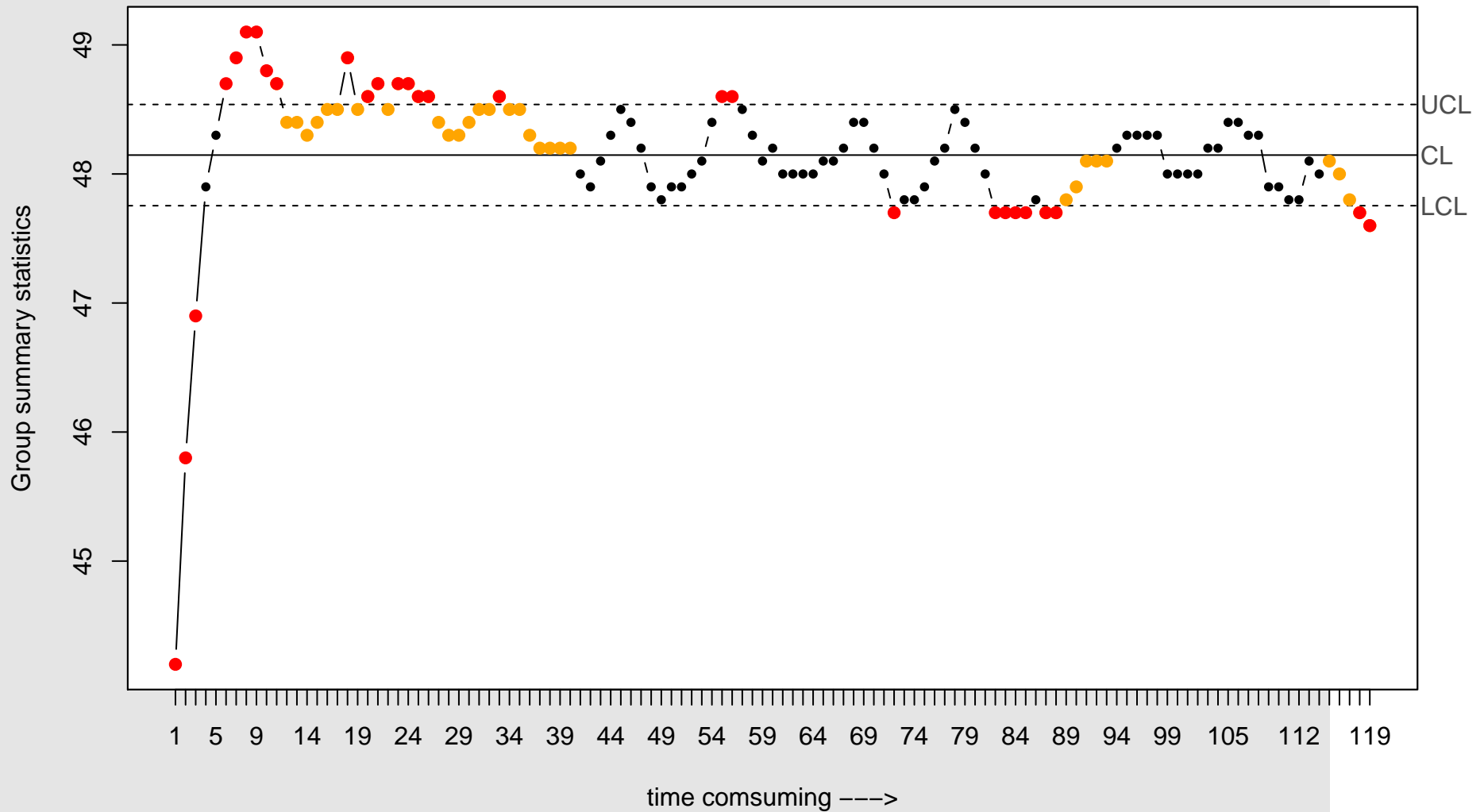
LCL = 47.78815

UCL = 48.59504

Number beyond limits = 31

Number violating runs = 48

### 33th column point of this product



Number of groups = 119

Center = 48.14622

StdDev = 0.1307248

LCL = 47.75404

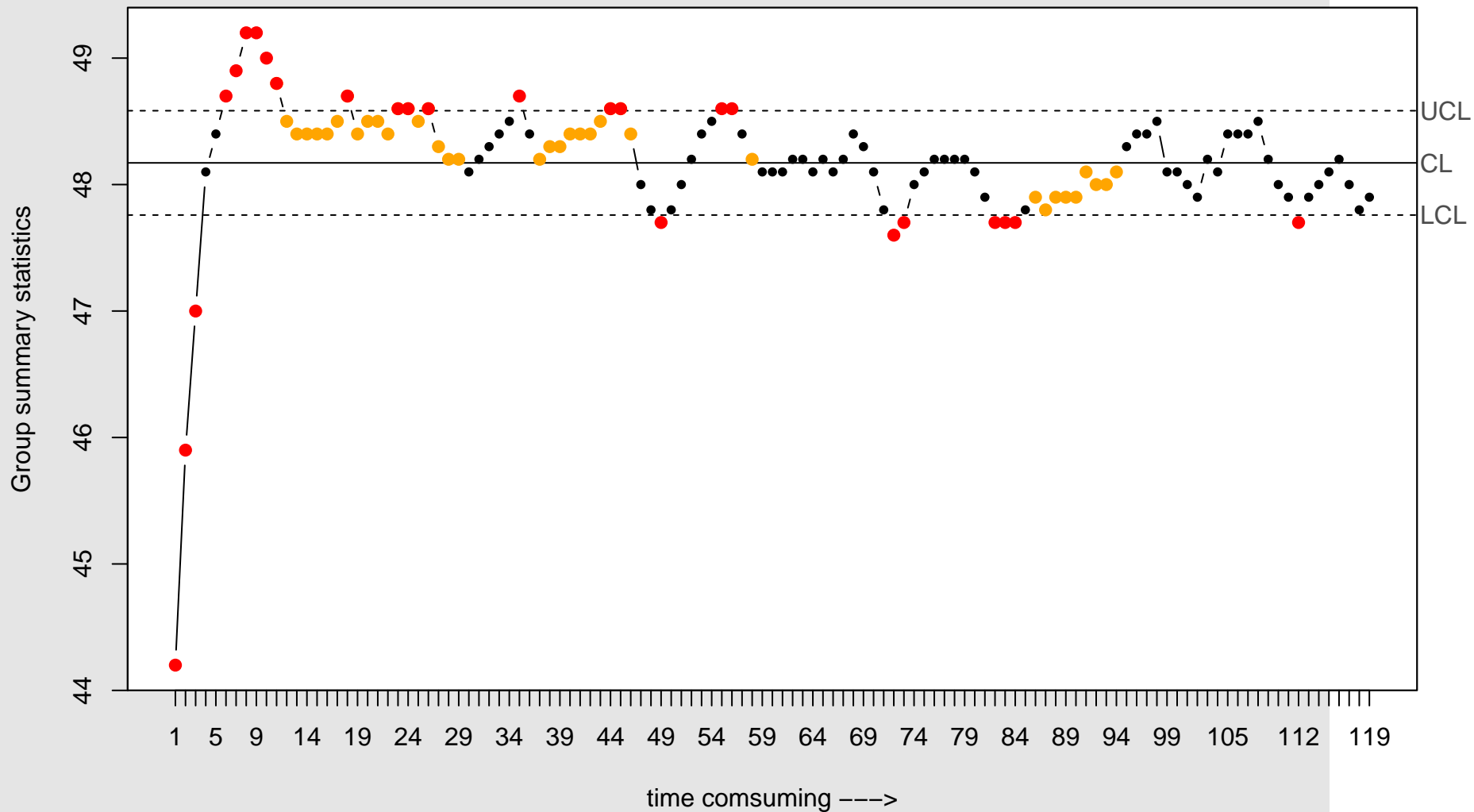
UCL = 48.53839

Number beyond limits = 28

Number violating runs = 42



### 34th column point of this product



Number of groups = 119

Center = 48.17143

StdDev = 0.1374865

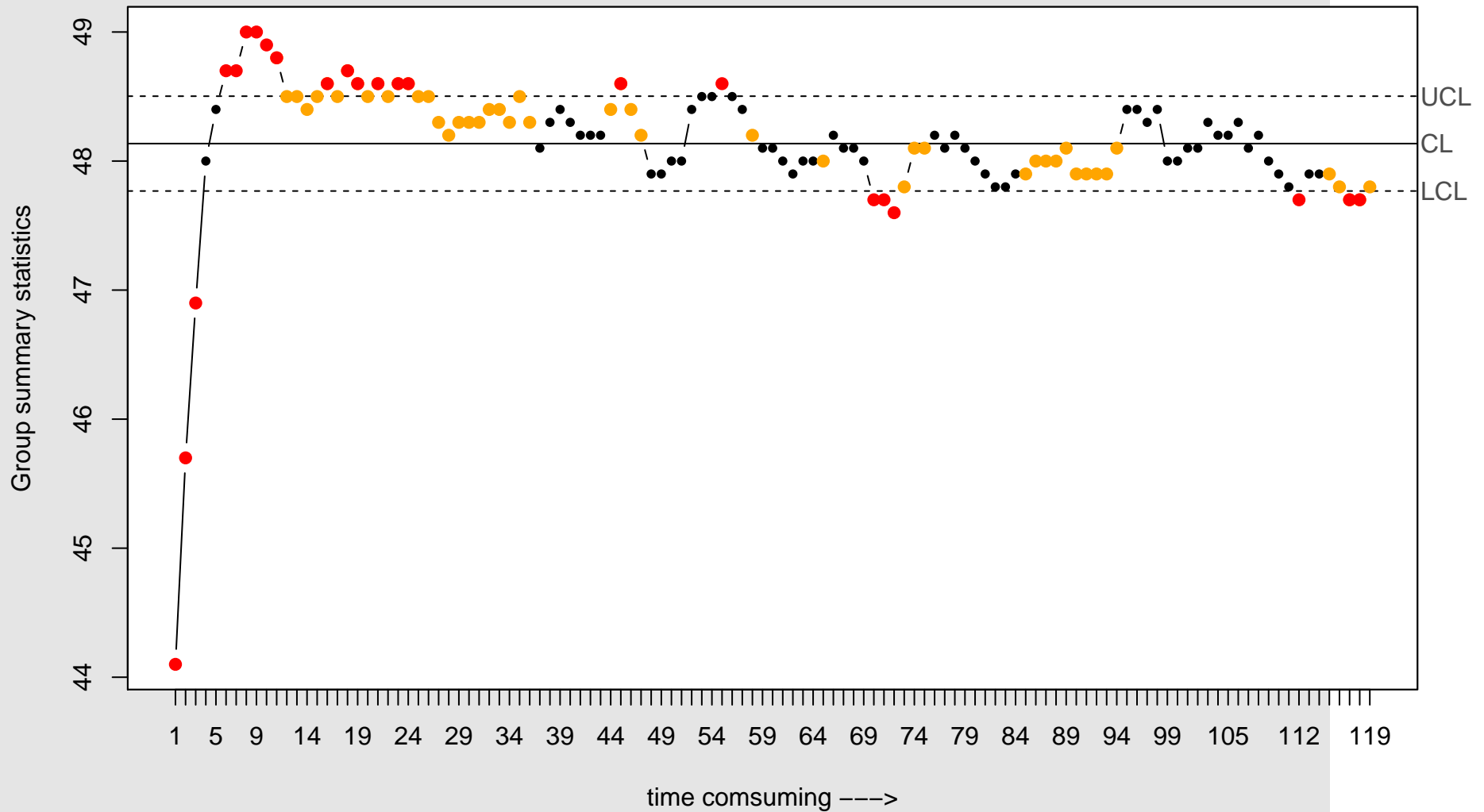
LCL = 47.75897

UCL = 48.58389

Number beyond limits = 25

Number violating runs = 39

### 35th column point of this product



Number of groups = 119

Center = 48.13529

StdDev = 0.1224606

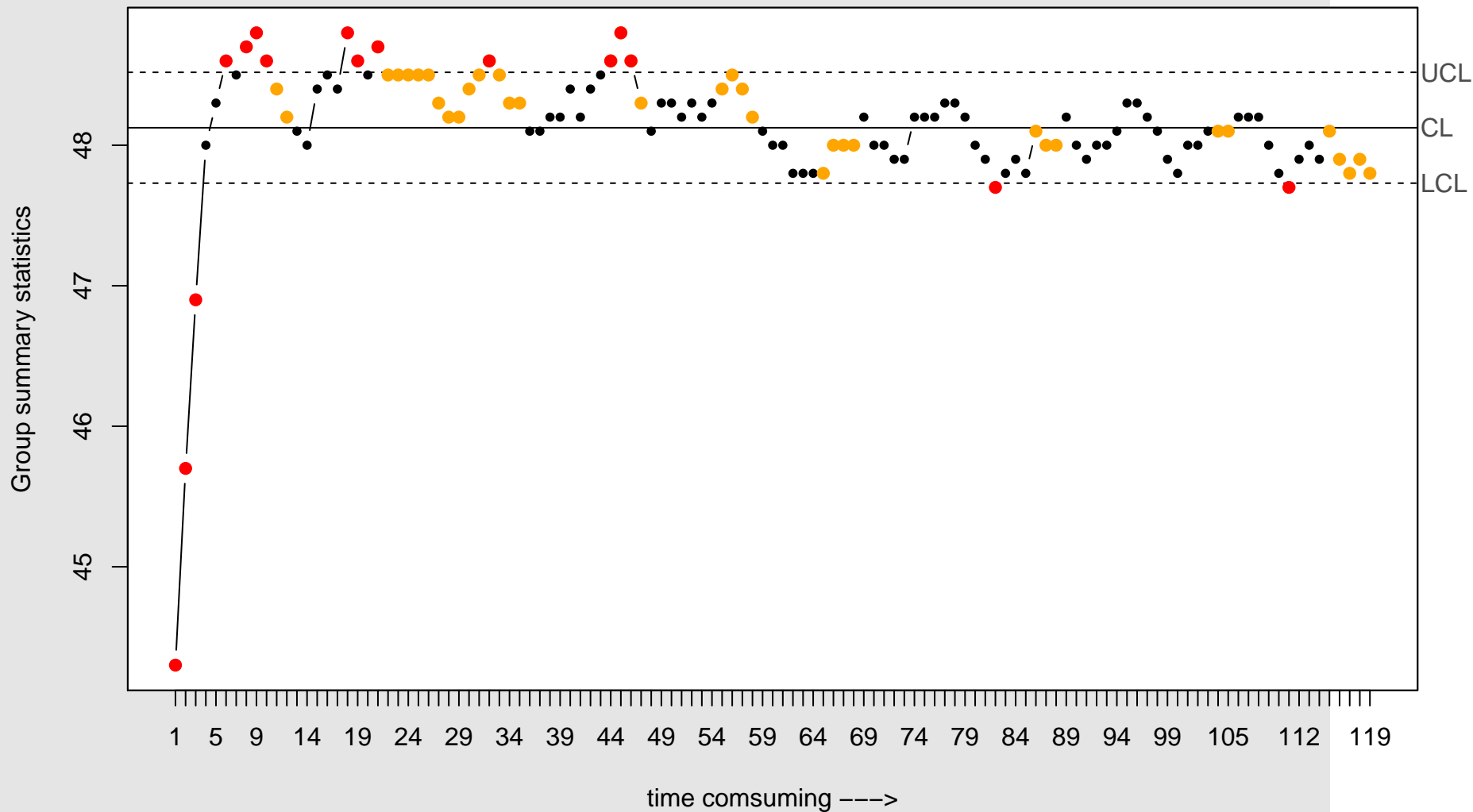
LCL = 47.76791

UCL = 48.50268

Number beyond limits = 23

Number violating runs = 50

### 36th column point of this product



Number of groups = 119

Center = 48.12437

StdDev = 0.1314761

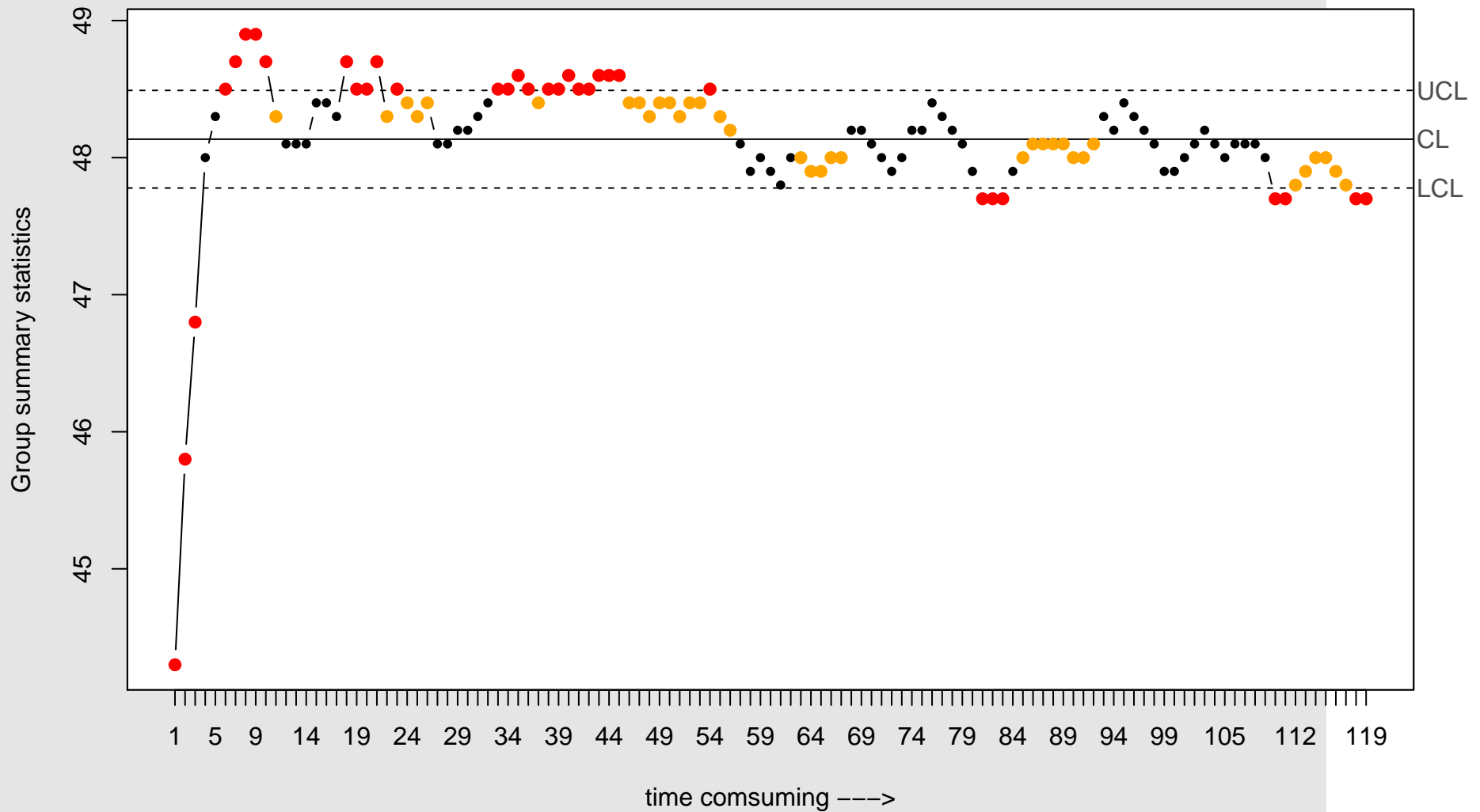
LCL = 47.72994

UCL = 48.5188

Number beyond limits = 16

Number violating runs = 39

### 37th column point of this product



Number of groups = 119

Center = 48.13445

StdDev = 0.1187042

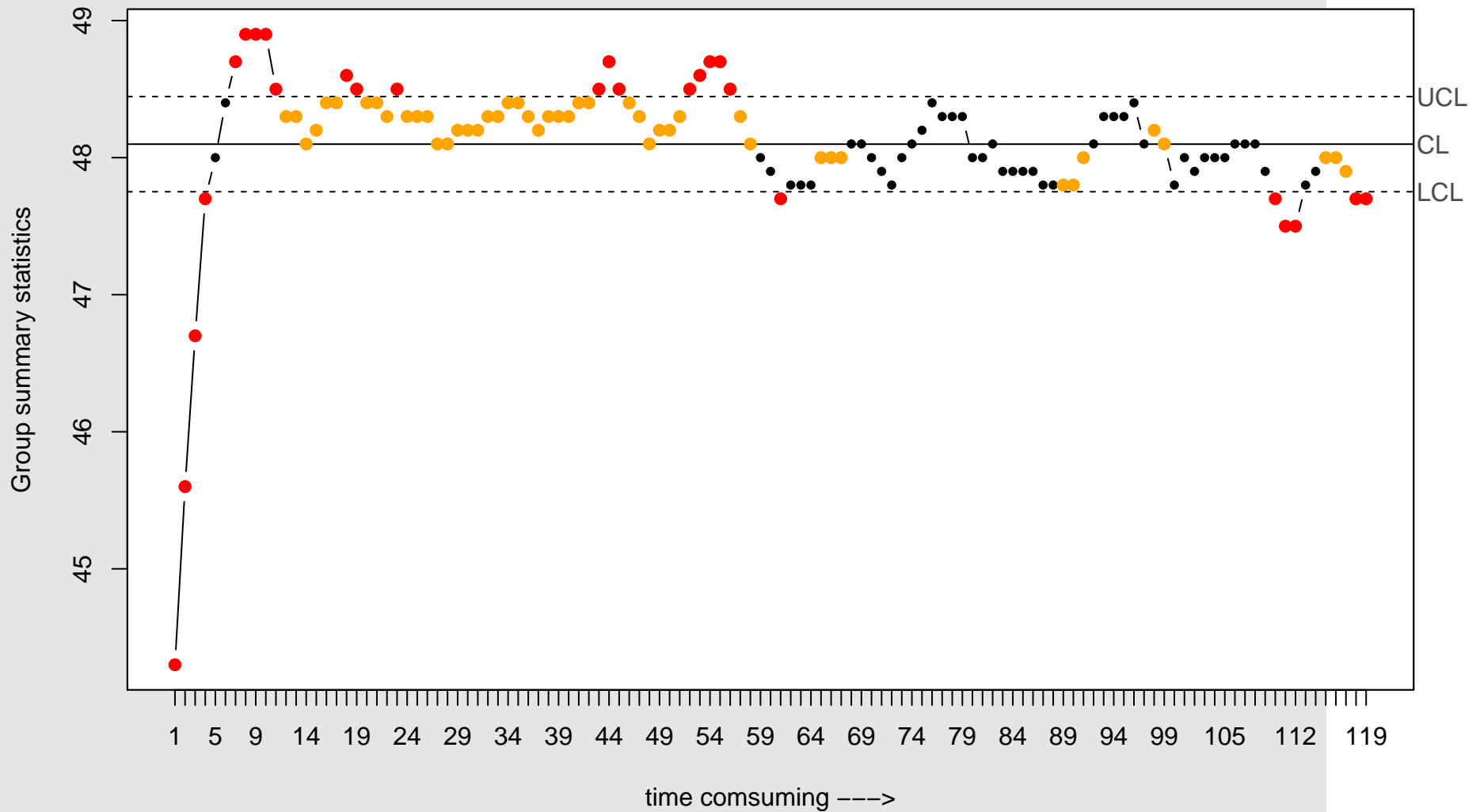
LCL = 47.77834

UCL = 48.49057

Number beyond limits = 33

Number violating runs = 52

### 38th column point of this product



Number of groups = 119

Center = 48.09832

StdDev = 0.115699

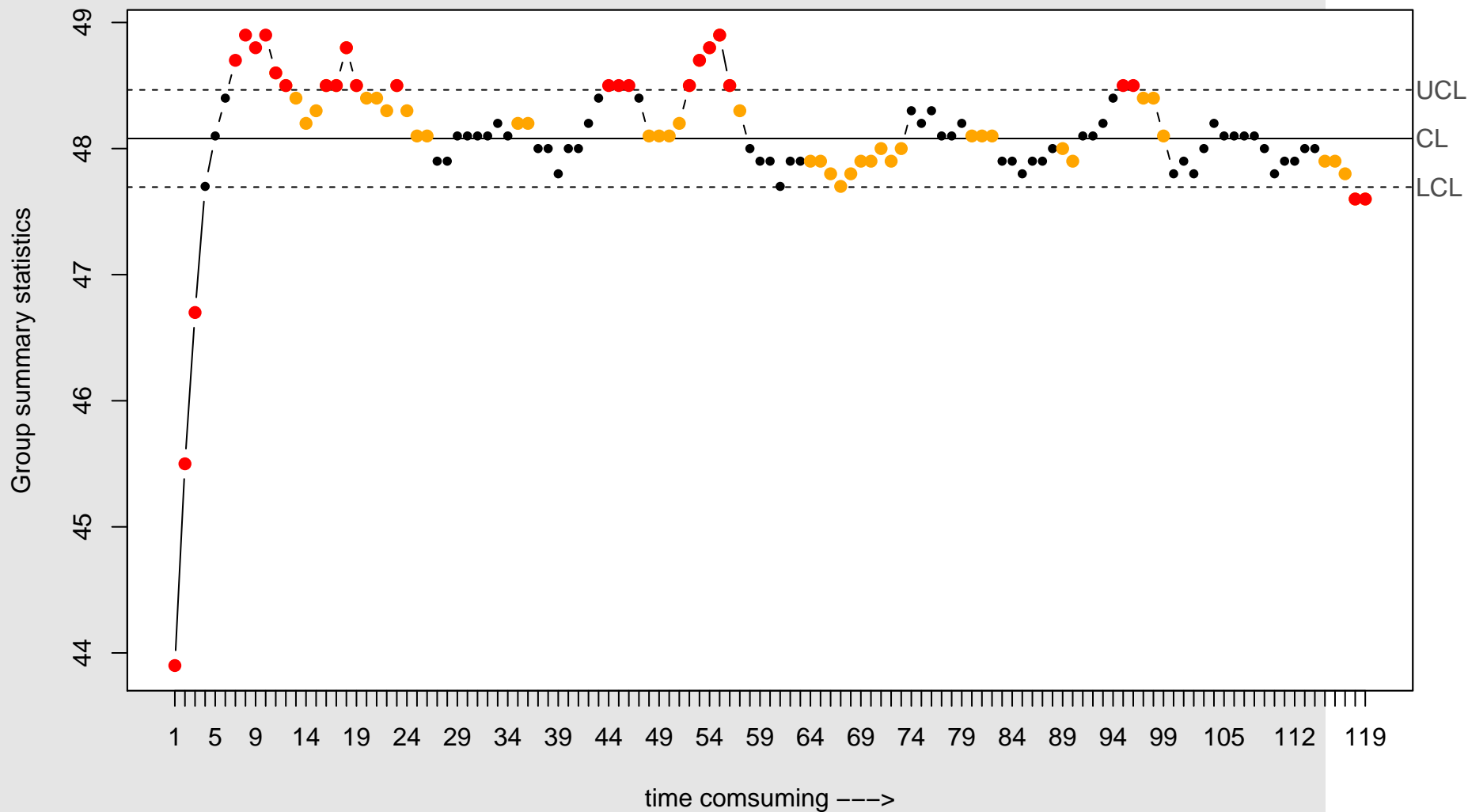
LCL = 47.75122

UCL = 48.44542

Number beyond limits = 26

Number violating runs = 60

### 39th column point of this product



Number of groups = 119

Center = 48.07983

StdDev = 0.128471

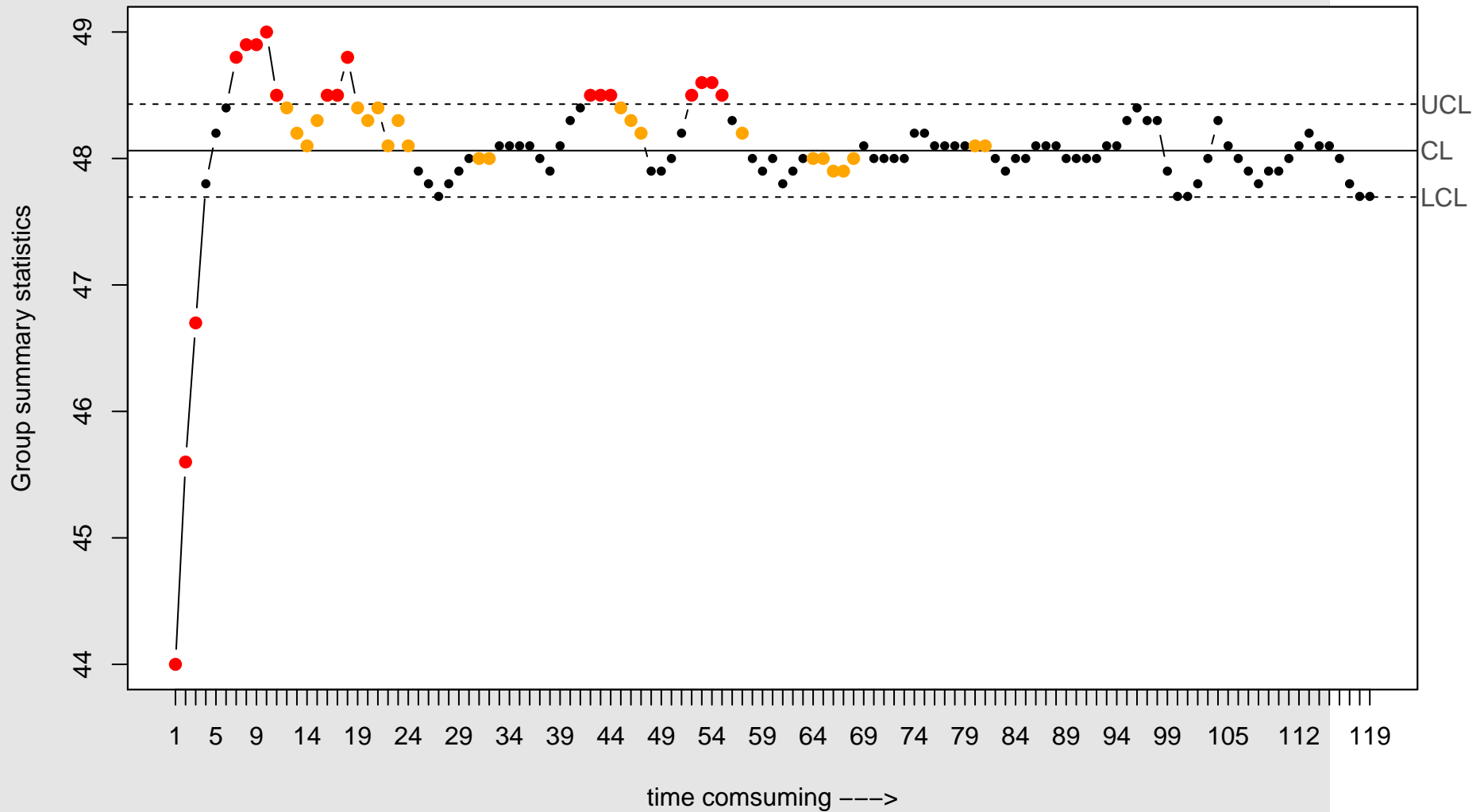
LCL = 47.69442

UCL = 48.46524

Number beyond limits = 26

Number violating runs = 51

# 40th column point of this product



Number of groups = 119

Center = 48.06218

StdDev = 0.1224606

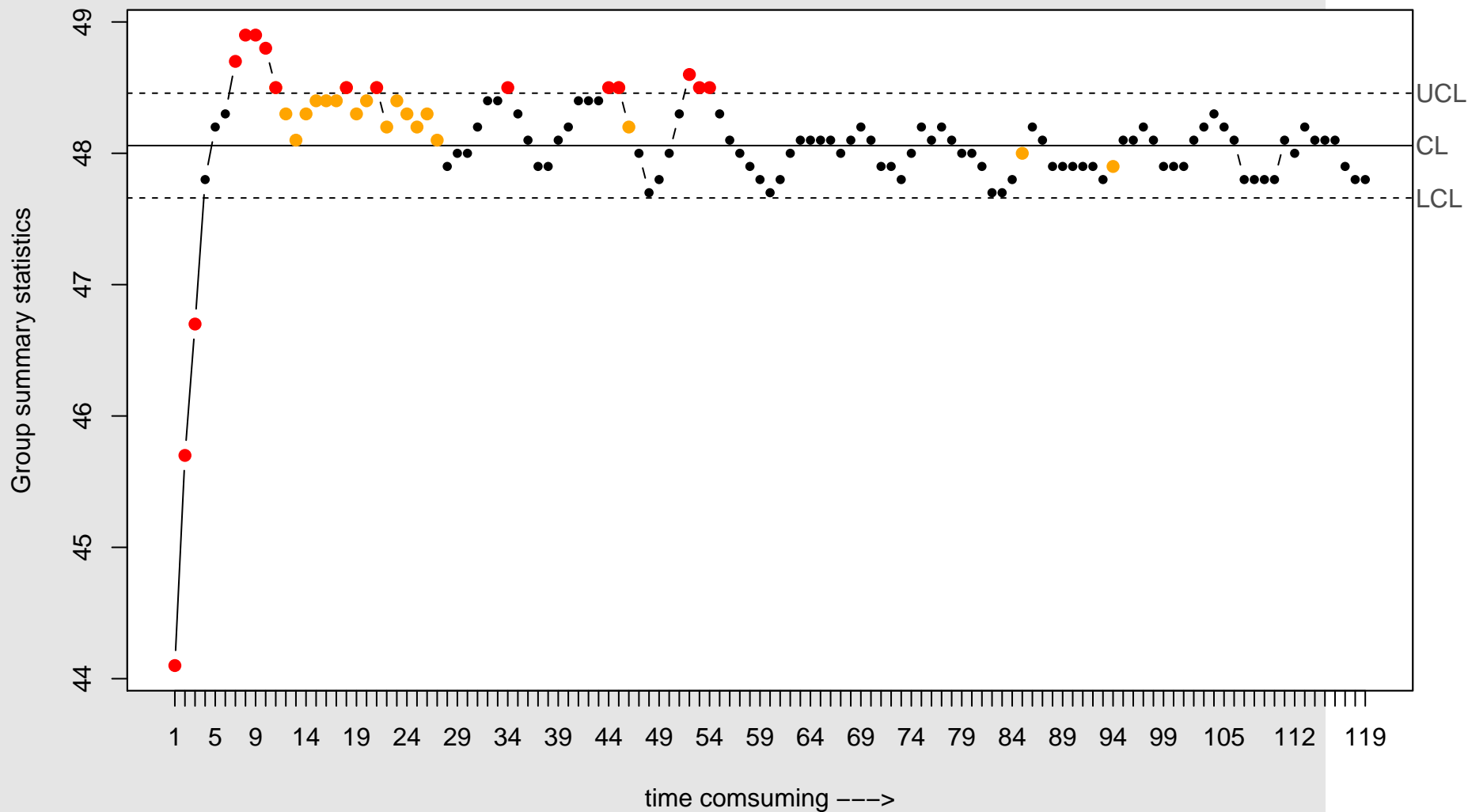
LCL = 47.6948

UCL = 48.42957

Number beyond limits = 18

Number violating runs = 27

# 41th column point of this product



Number of groups = 119

Center = 48.05882

StdDev = 0.1329787

LCL = 47.65989

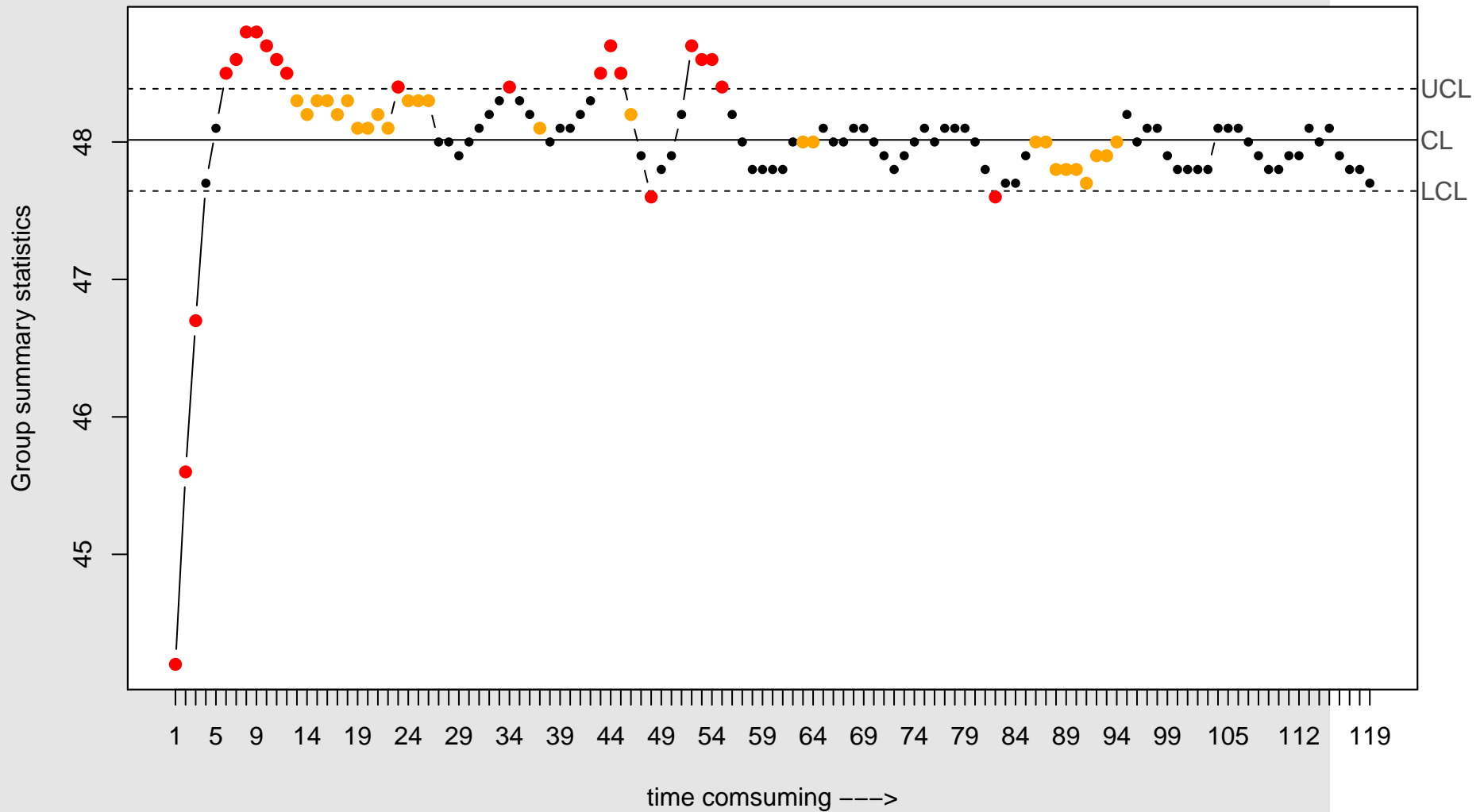
UCL = 48.45776

Number beyond limits = 16

Number violating runs = 21



# 42th column point of this product



Number of groups = 119

Center = 48.01513

StdDev = 0.1239632

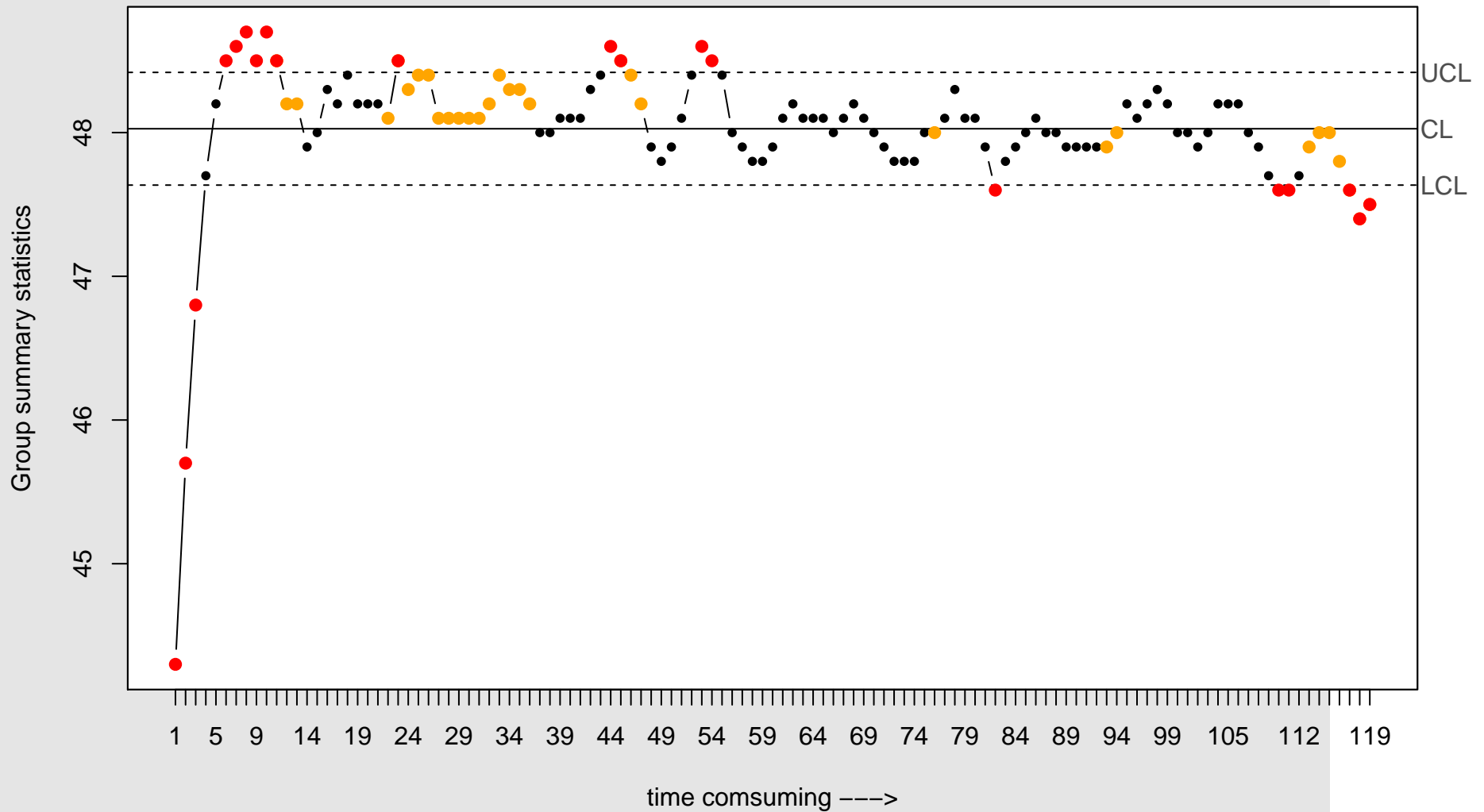
LCL = 47.64324

UCL = 48.38702

Number beyond limits = 21

Number violating runs = 30

### 43th column point of this product



Number of groups = 119

Center = 48.02689

StdDev = 0.1307248

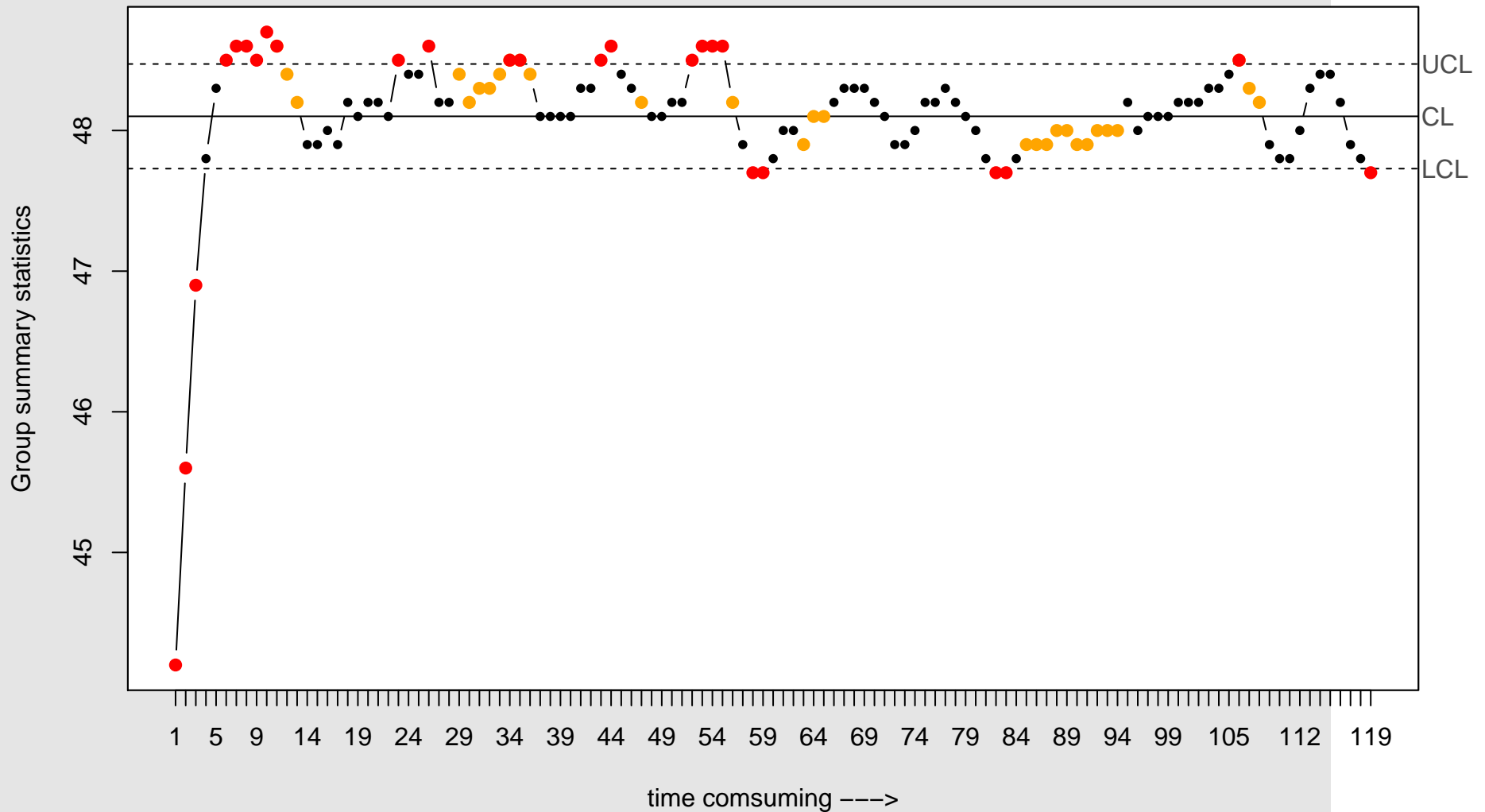
LCL = 47.63472

UCL = 48.41907

Number beyond limits = 20

Number violating runs = 31

# 44th column point of this product



Number of groups = 119

Center = 48.10084

StdDev = 0.1239632

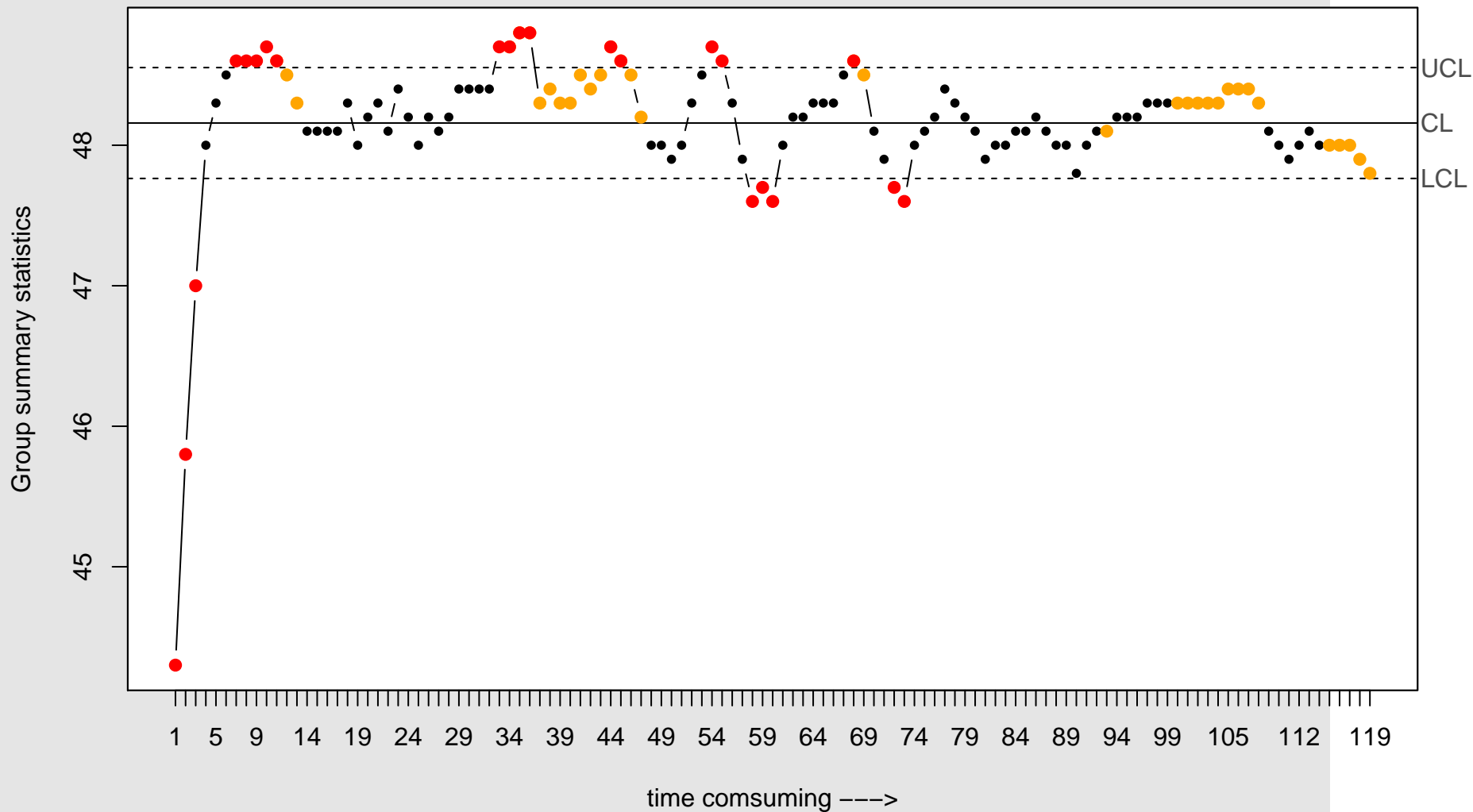
LCL = 47.72895

UCL = 48.47273

Number beyond limits = 25

Number violating runs = 29

# 45th column point of this product



Number of groups = 119

Center = 48.15798

StdDev = 0.1314761

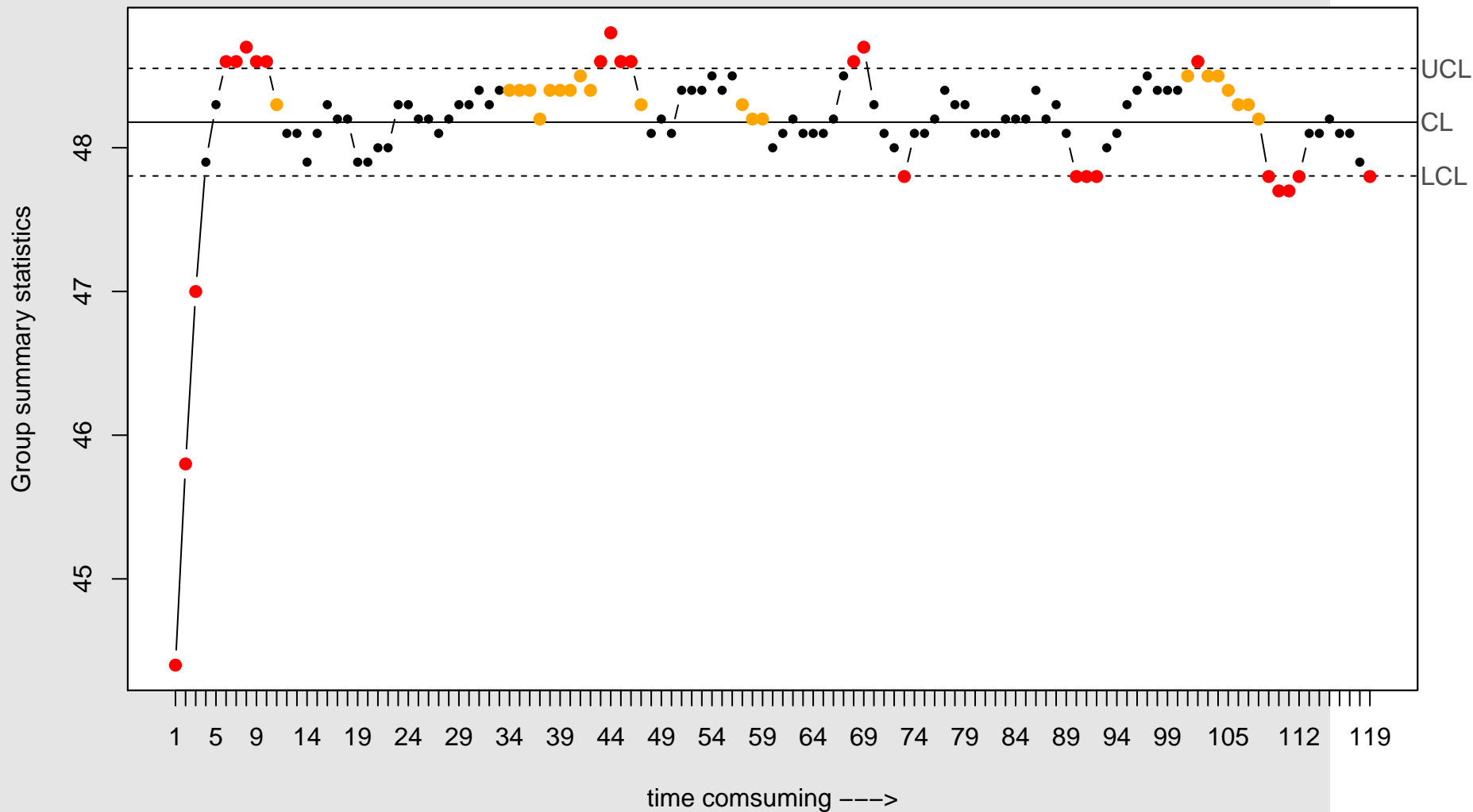
LCL = 47.76355

UCL = 48.55241

Number beyond limits = 22

Number violating runs = 34

# 46th column point of this product



Number of groups = 119

Center = 48.17815

StdDev = 0.1247145

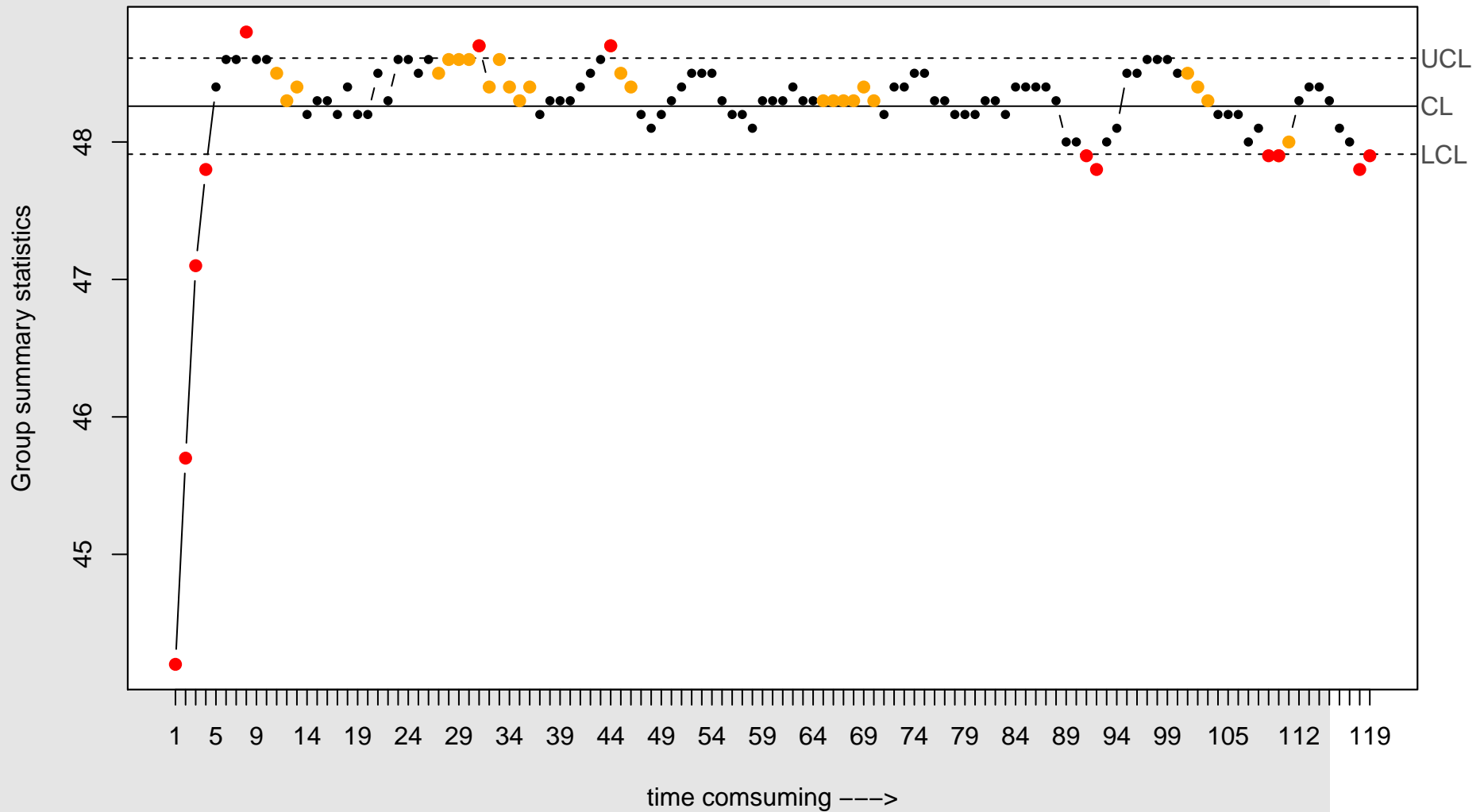
LCL = 47.80401

UCL = 48.55229

Number beyond limits = 24

Number violating runs = 26

# 47th column point of this product



Number of groups = 119

Center = 48.2605

StdDev = 0.1164503

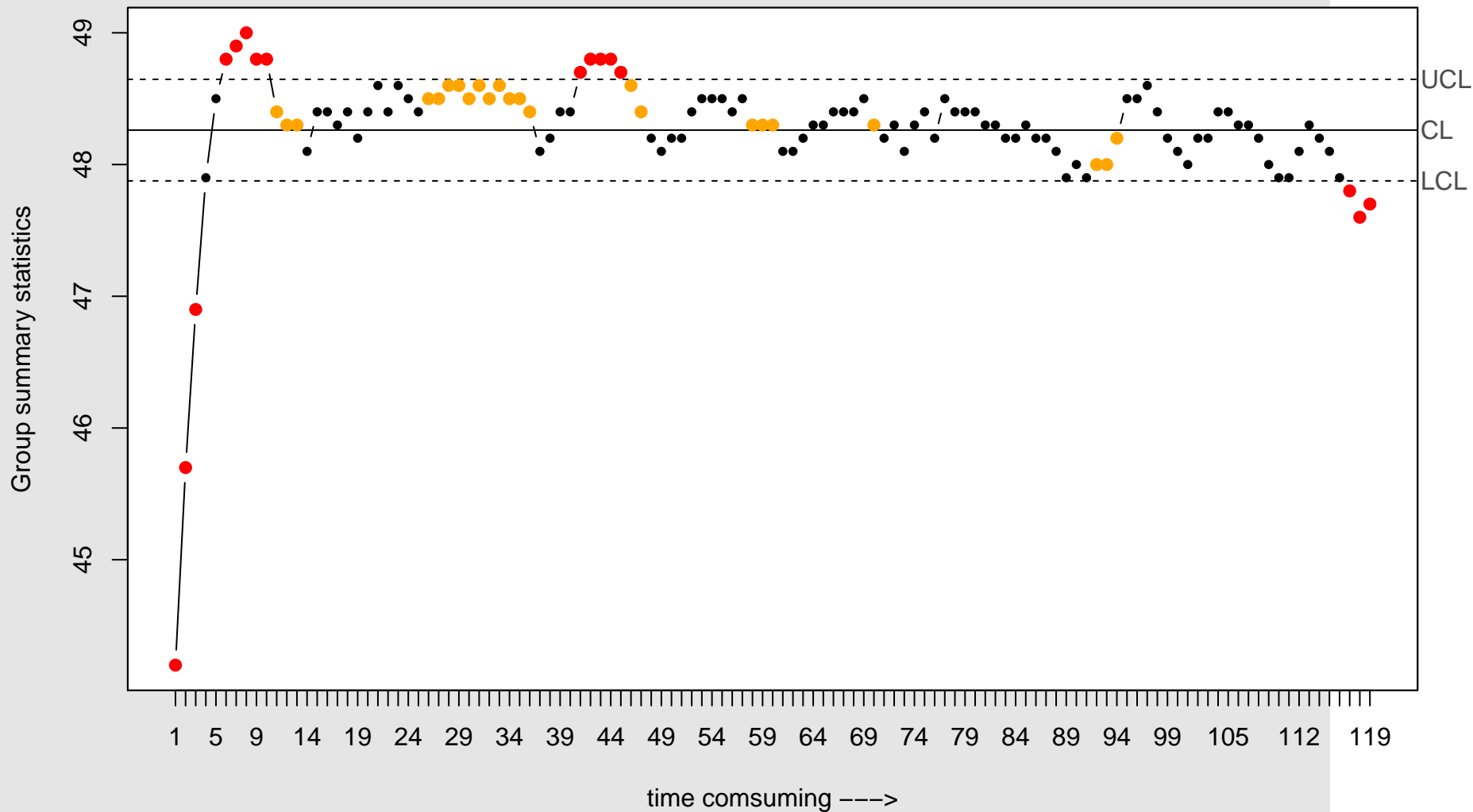
LCL = 47.91115

UCL = 48.60986

Number beyond limits = 13

Number violating runs = 27

# 48th column point of this product



Number of groups = 119

Center = 48.26134

StdDev = 0.128471

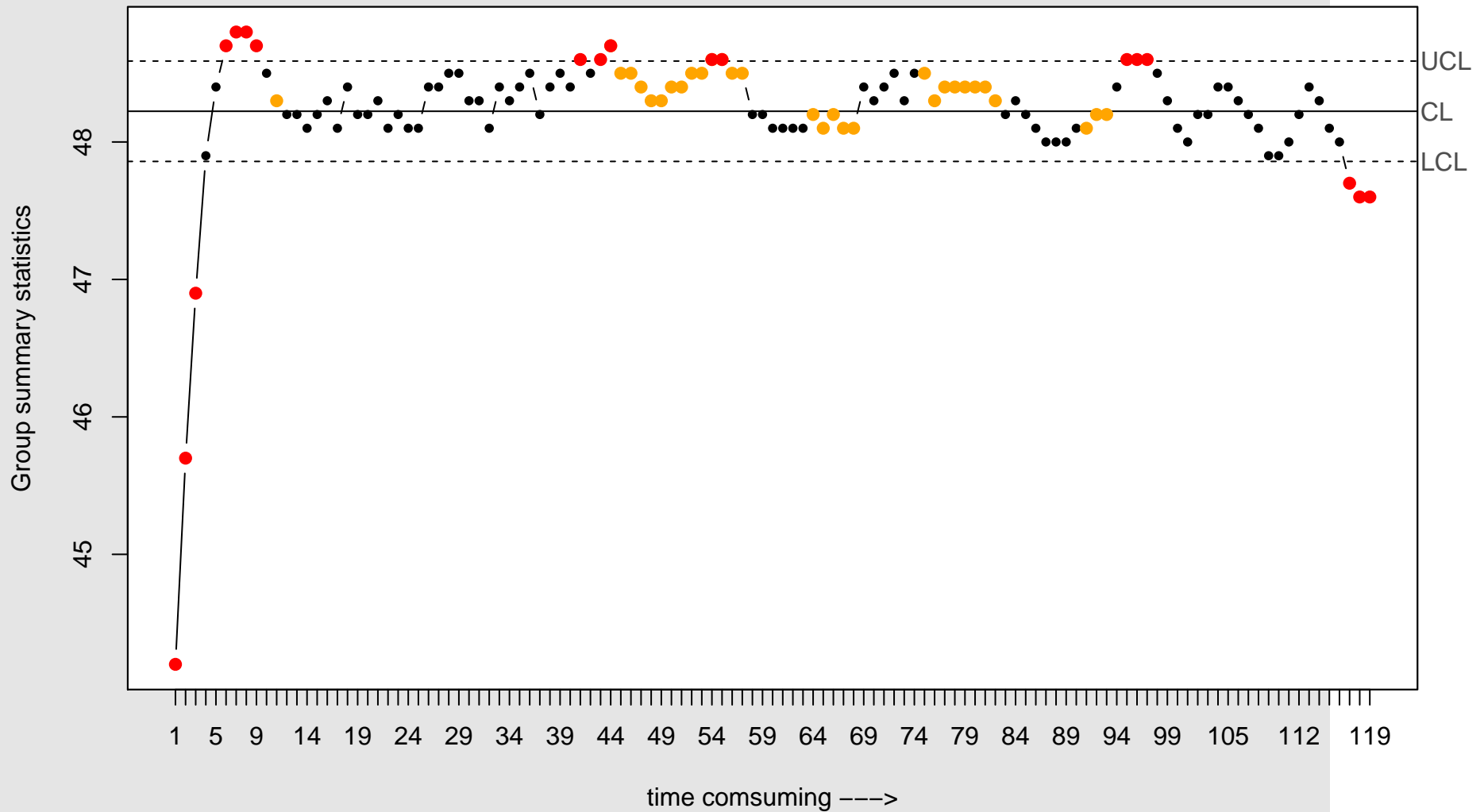
LCL = 47.87593

UCL = 48.64676

Number beyond limits = 16

Number violating runs = 24

### 49th column point of this product



Number of groups = 119

Center = 48.22353

StdDev = 0.1217093

LCL = 47.8584

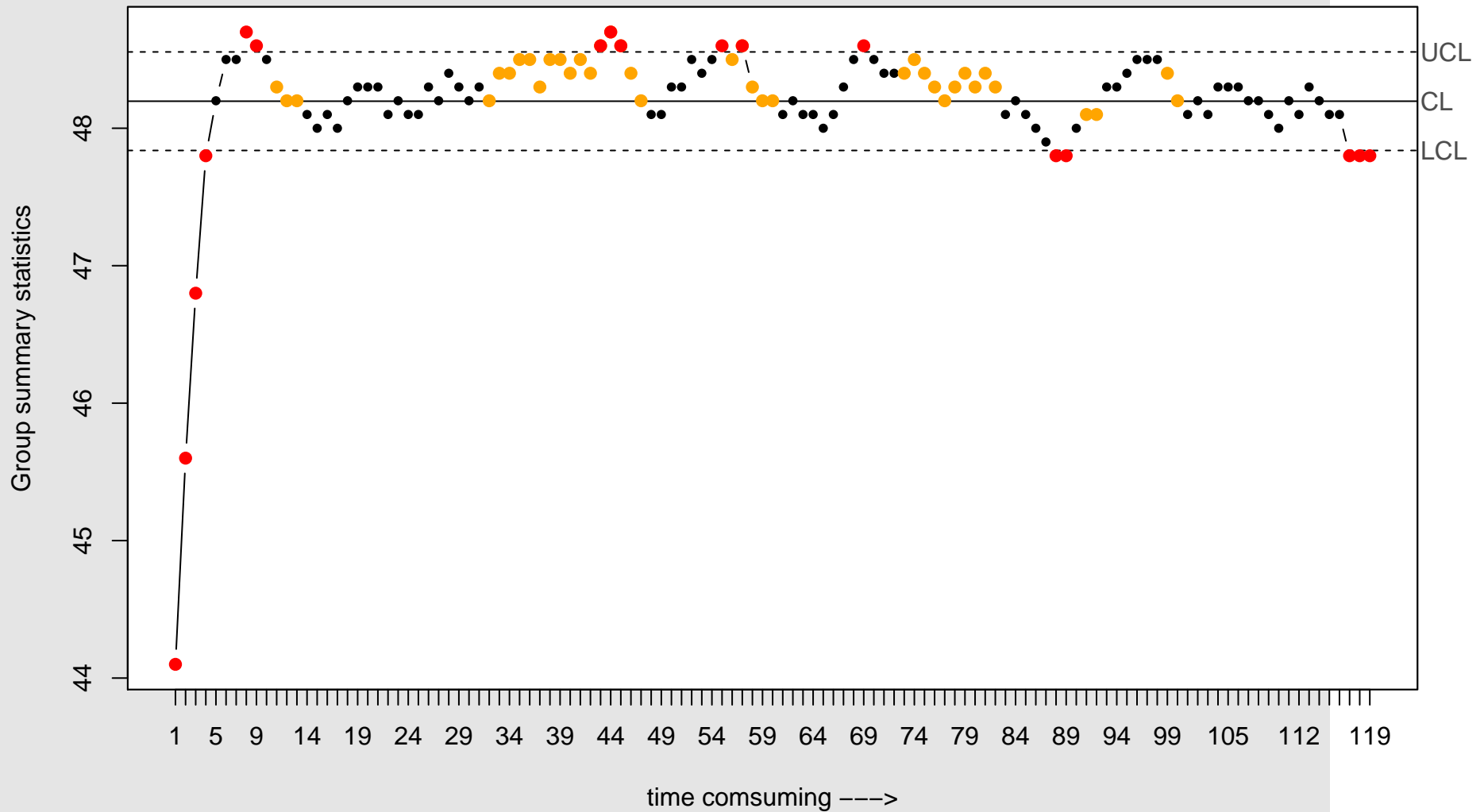
UCL = 48.58866

Number beyond limits = 18

Number violating runs = 31



### 50th column point of this product



Number of groups = 119

Center = 48.19664

StdDev = 0.1194555

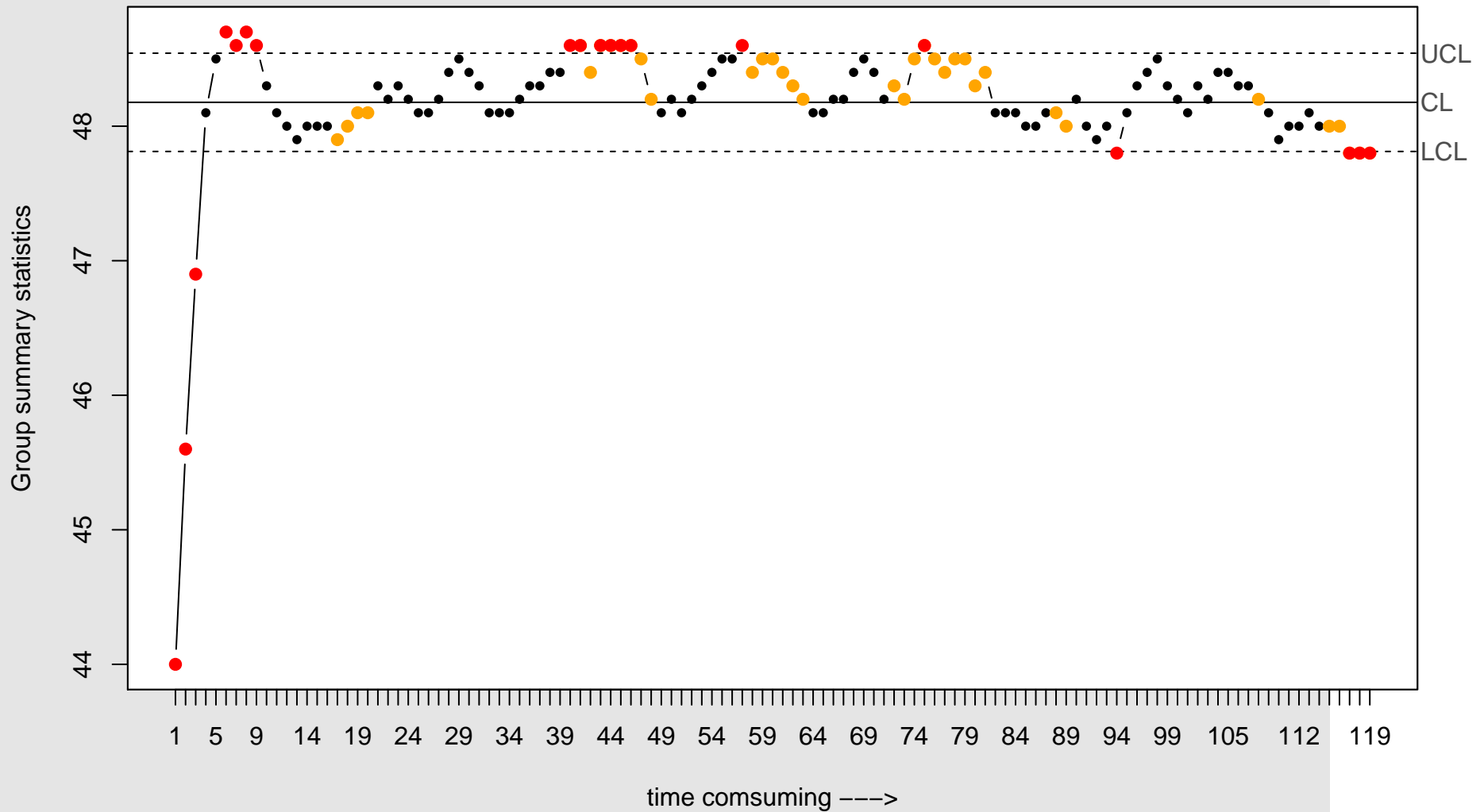
LCL = 47.83827

UCL = 48.55501

Number beyond limits = 17

Number violating runs = 38

# 51th column point of this product



Number of groups = 119

Center = 48.17731

StdDev = 0.1217093

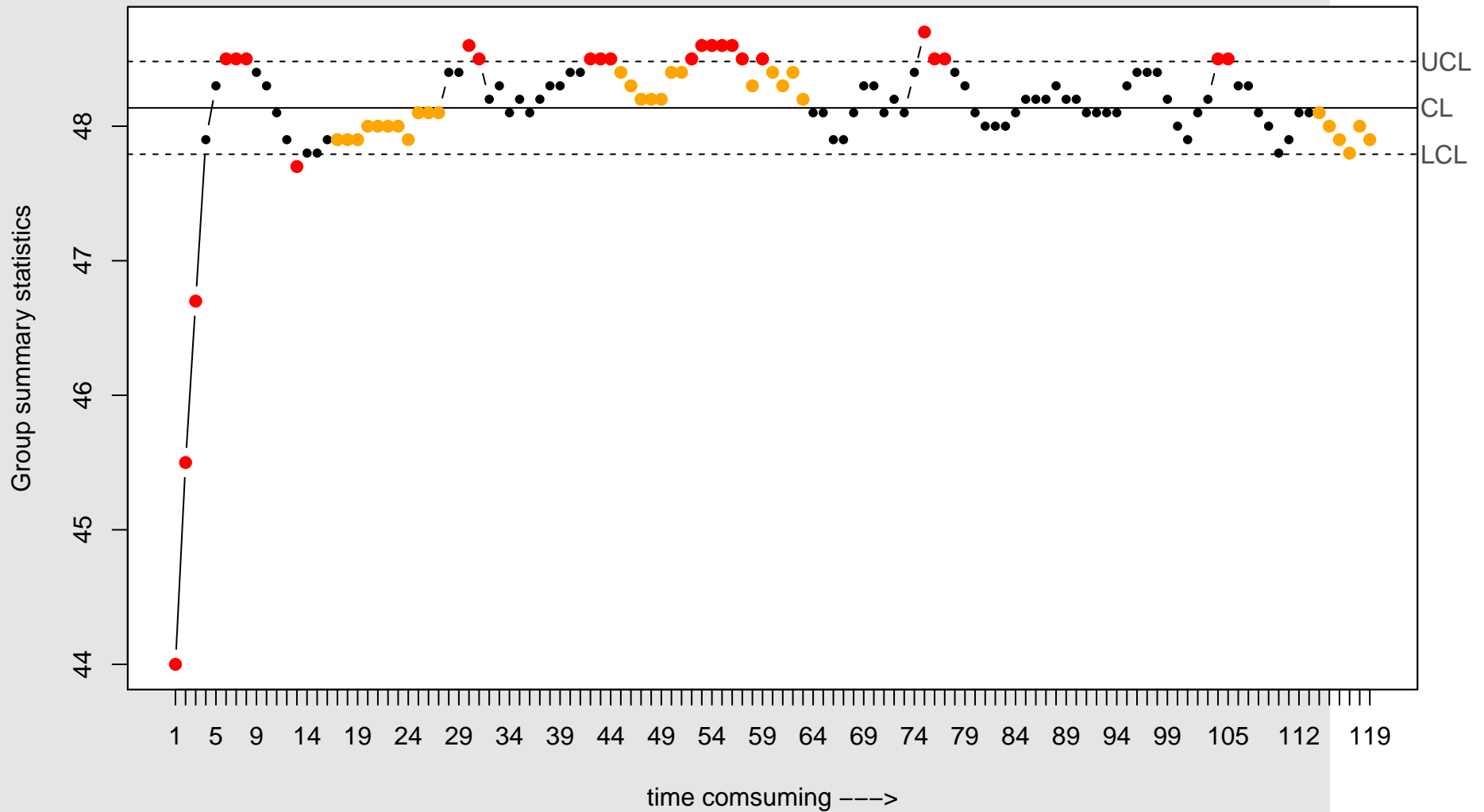
LCL = 47.81218

UCL = 48.54244

Number beyond limits = 19

Number violating runs = 36

## 52th column point of this product



Number of groups = 119

Center = 48.13613

StdDev = 0.1149477

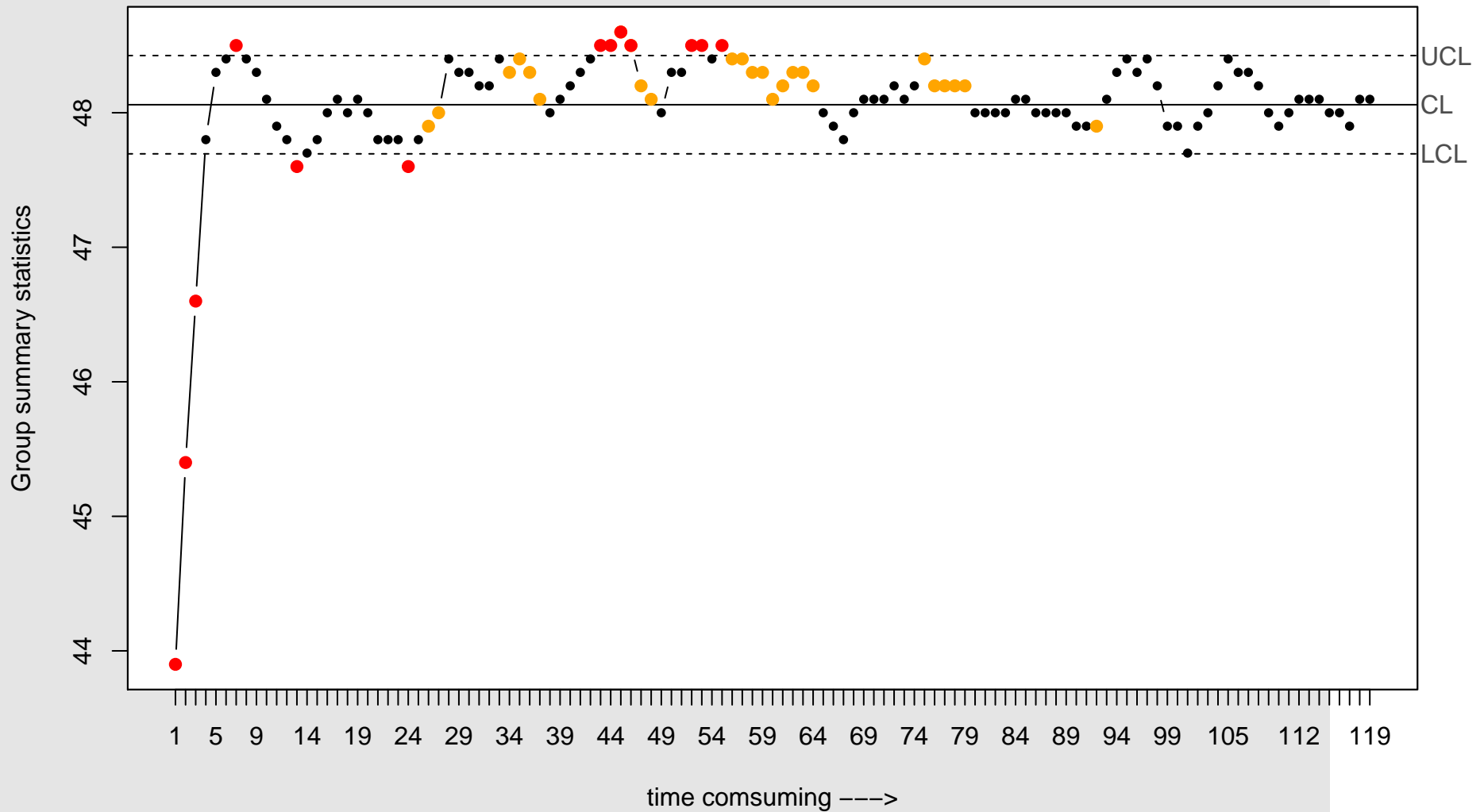
LCL = 47.79129

UCL = 48.48098

Number beyond limits = 24

Number violating runs = 38

### 53th column point of this product



Number of groups = 119

Center = 48.05966

StdDev = 0.1217093

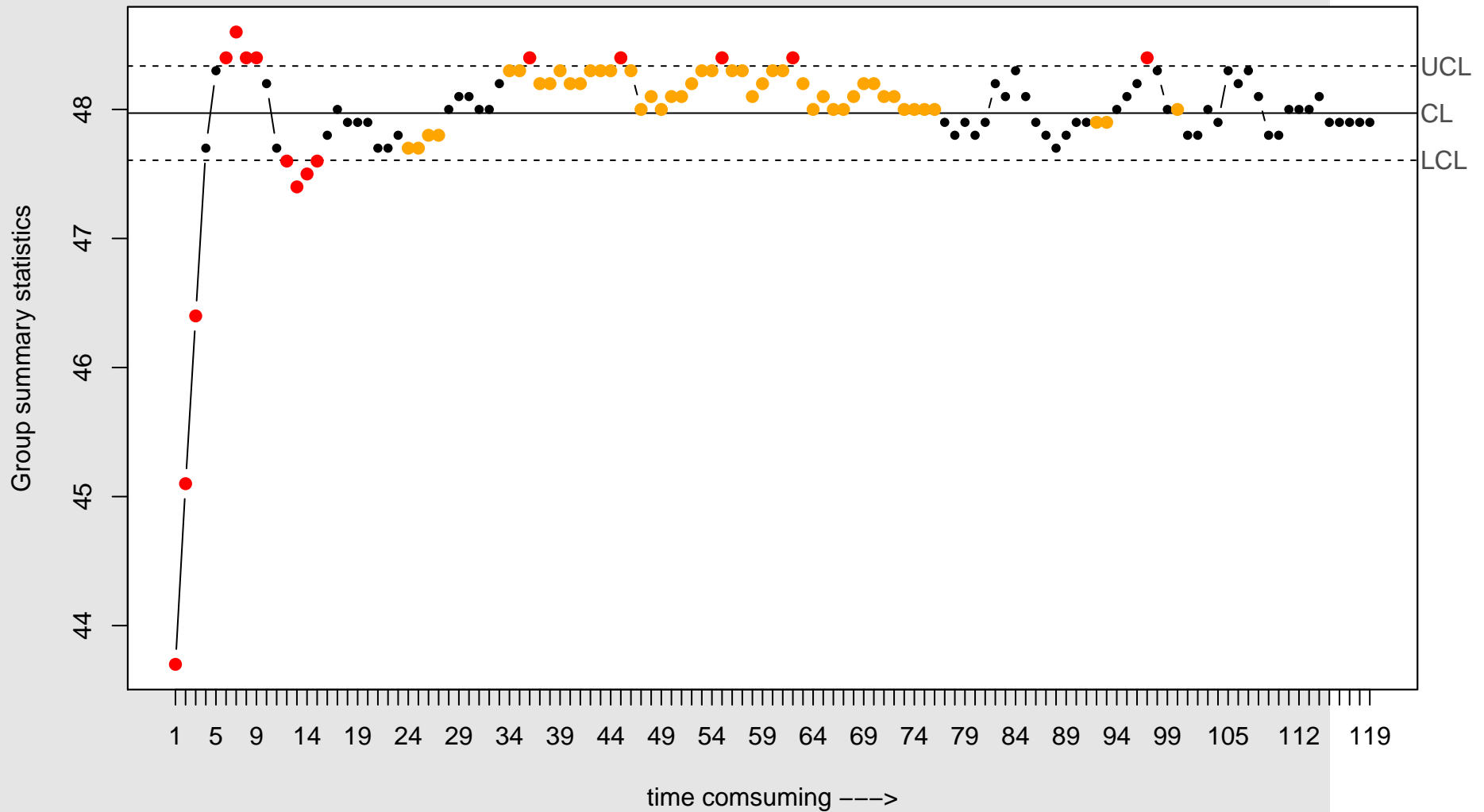
LCL = 47.69454

UCL = 48.42479

Number beyond limits = 13

Number violating runs = 25

### 54th column point of this product



Number of groups = 119

Center = 47.97143

StdDev = 0.1217093

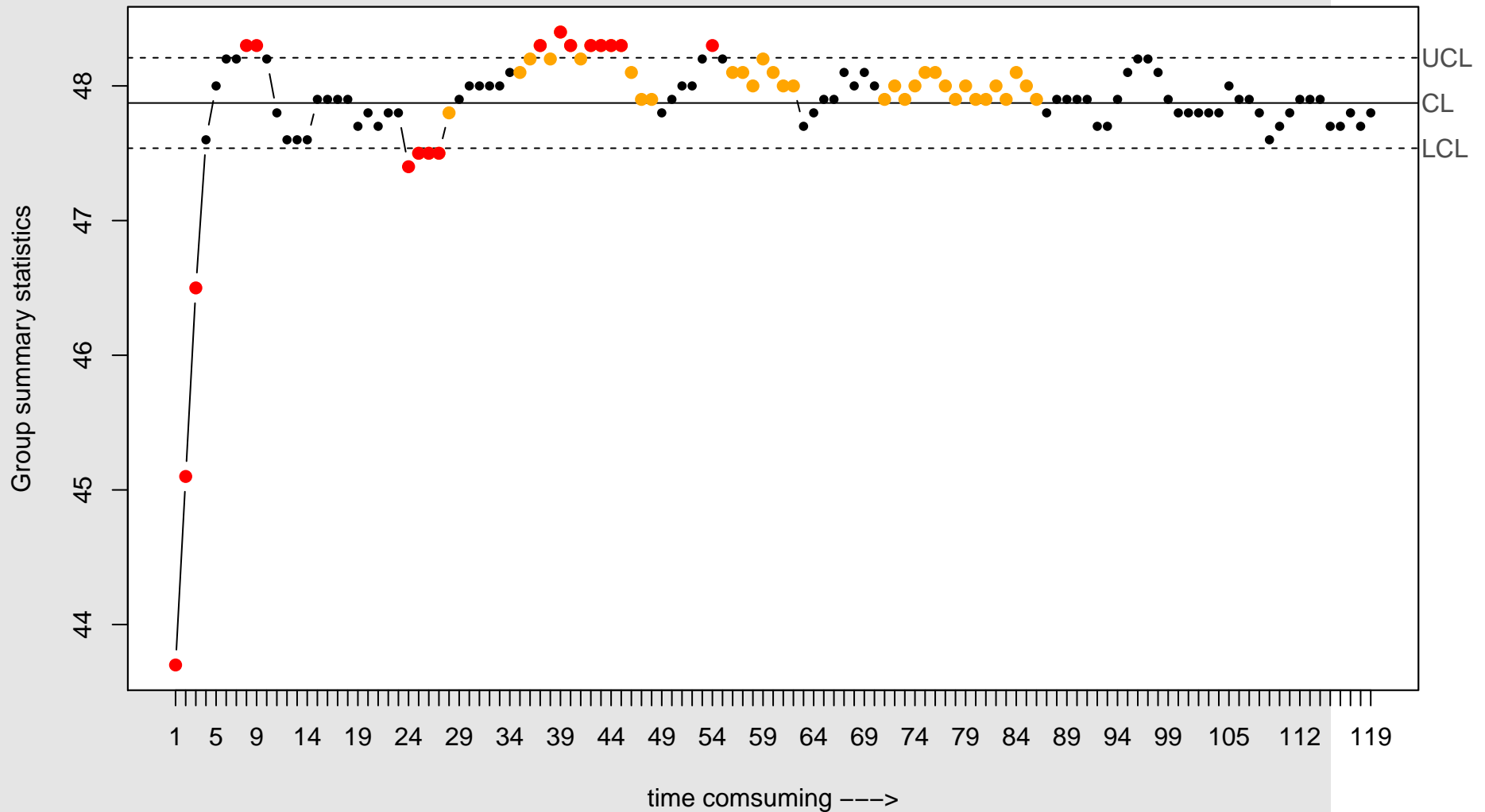
LCL = 47.6063

UCL = 48.33656

Number beyond limits = 16

Number violating runs = 50

## 55th column point of this product



Number of groups = 119

Center = 47.87311

StdDev = 0.1119425

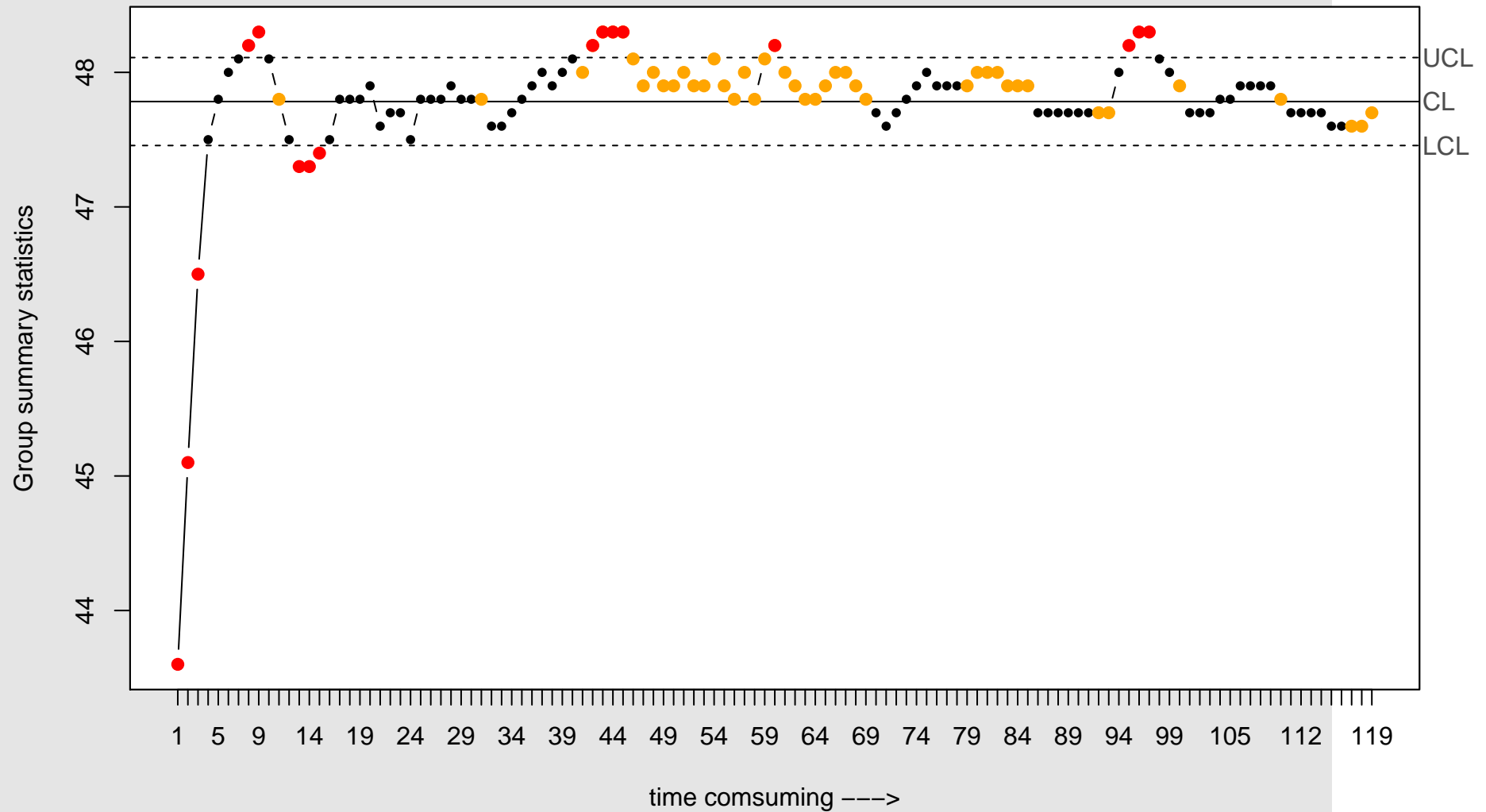
LCL = 47.53728

UCL = 48.20894

Number beyond limits = 17

Number violating runs = 41

## 56th column point of this product



Number of groups = 119

Center = 47.78319

StdDev = 0.1089374

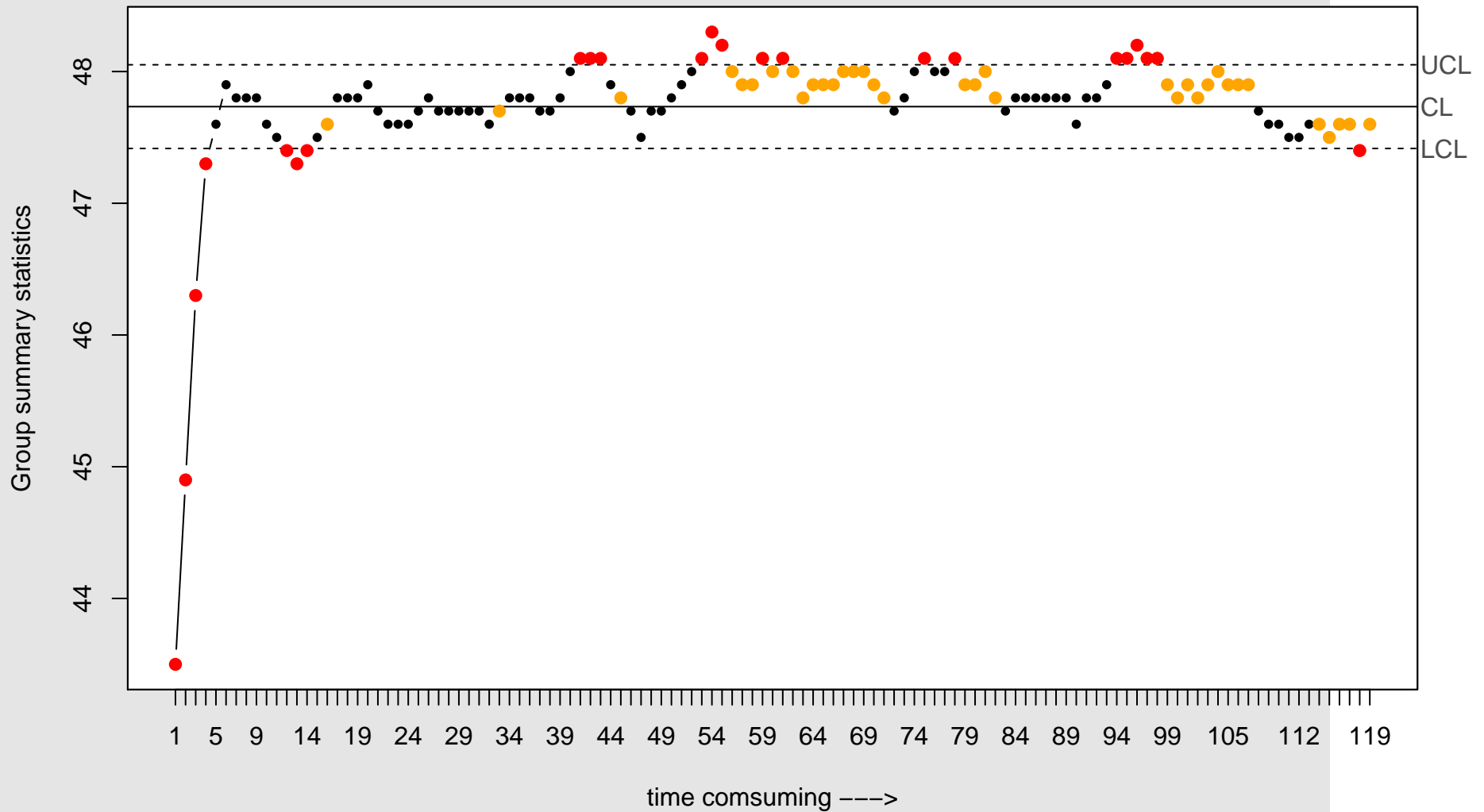
LCL = 47.45638

UCL = 48.11001

Number beyond limits = 16

Number violating runs = 45

# 57th column point of this product



Number of groups = 119

Center = 47.73361

StdDev = 0.1059322

LCL = 47.41582

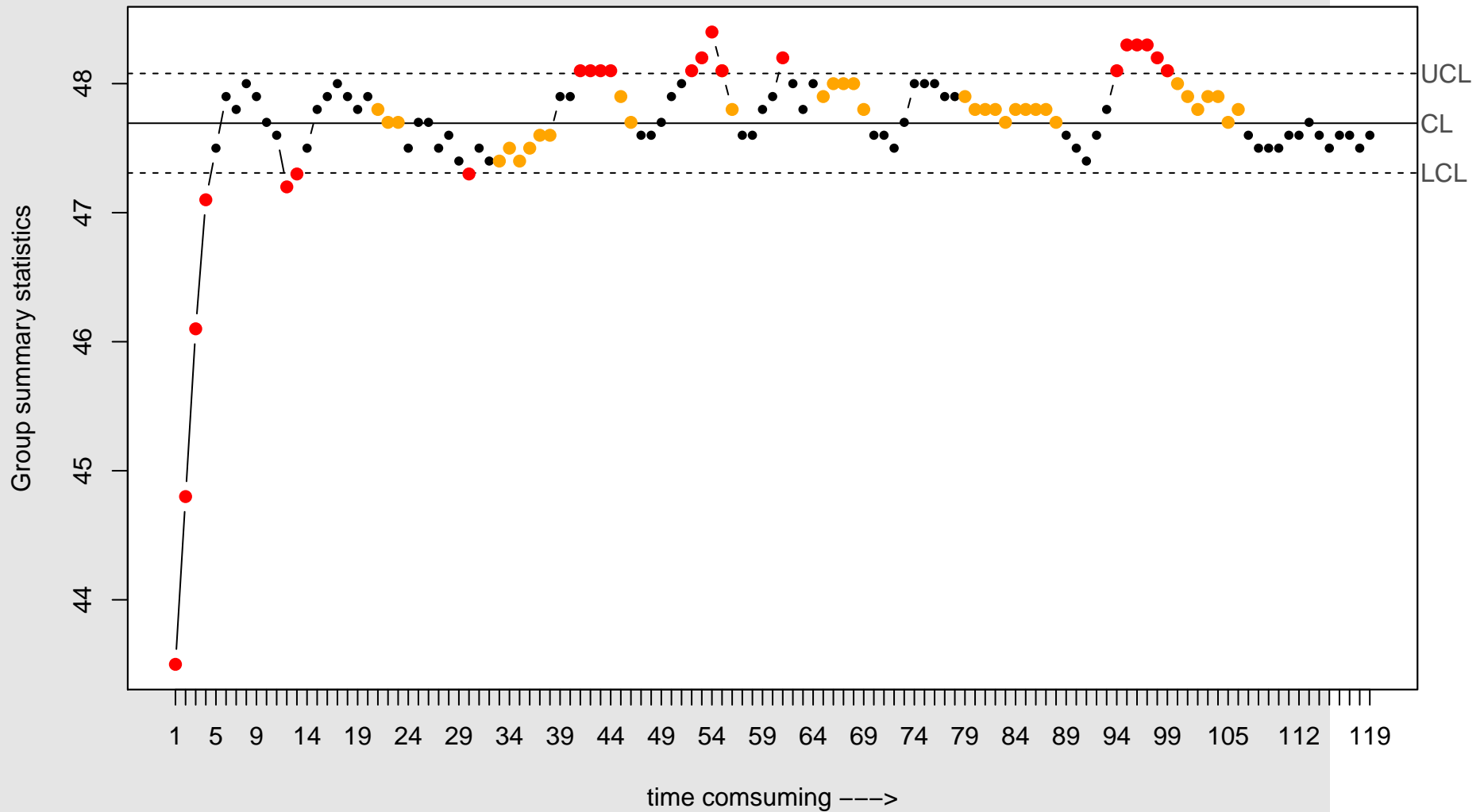
UCL = 48.05141

Number beyond limits = 23

Number violating runs = 40



## 58th column point of this product

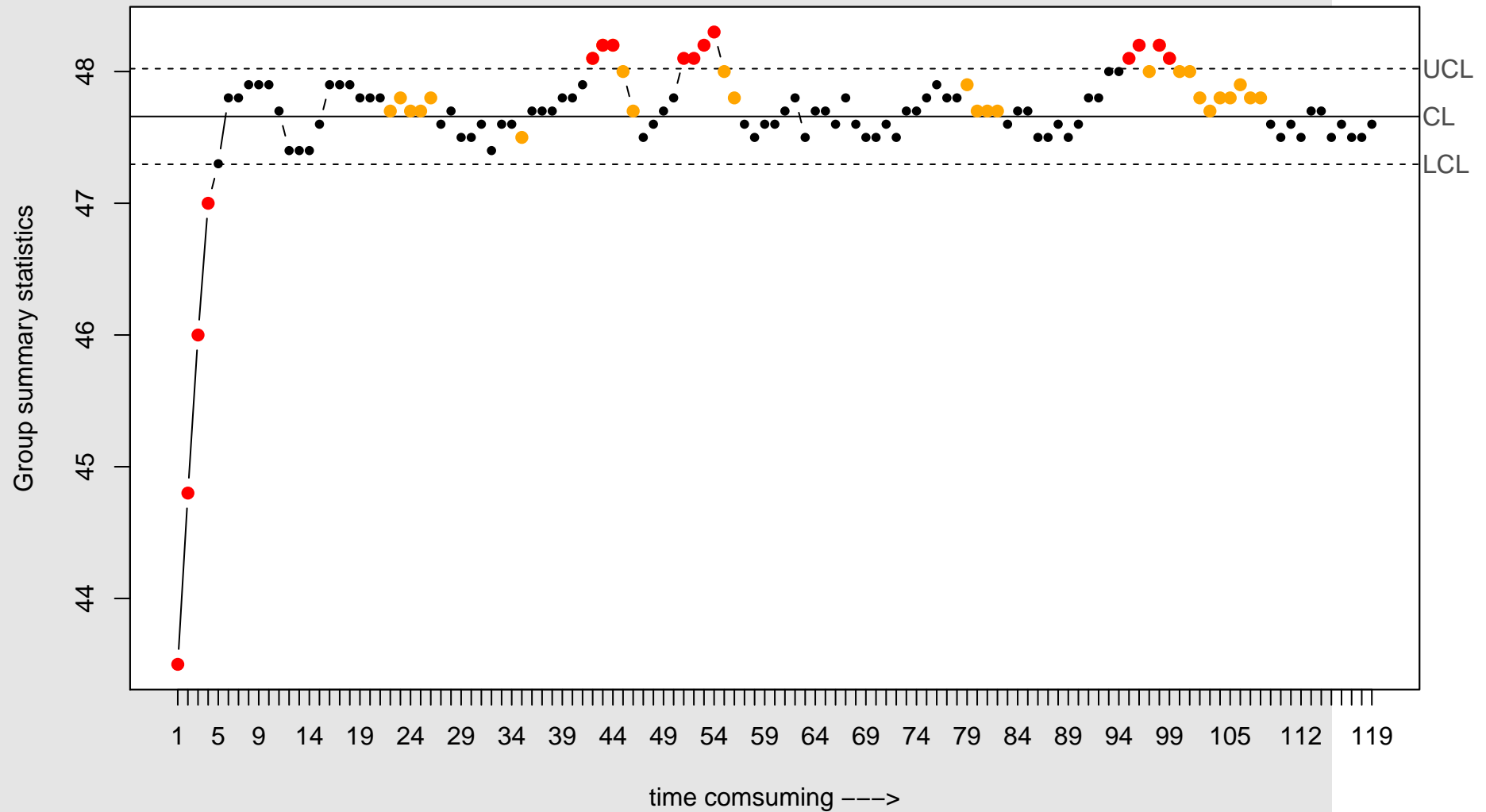


Number of groups = 119  
 Center = 47.69328  
 StdDev = 0.128471

LCL = 47.30786  
 UCL = 48.07869

Number beyond limits = 22  
 Number violating runs = 36

### 59th column point of this product



Number of groups = 119

Center = 47.65882

StdDev = 0.120958

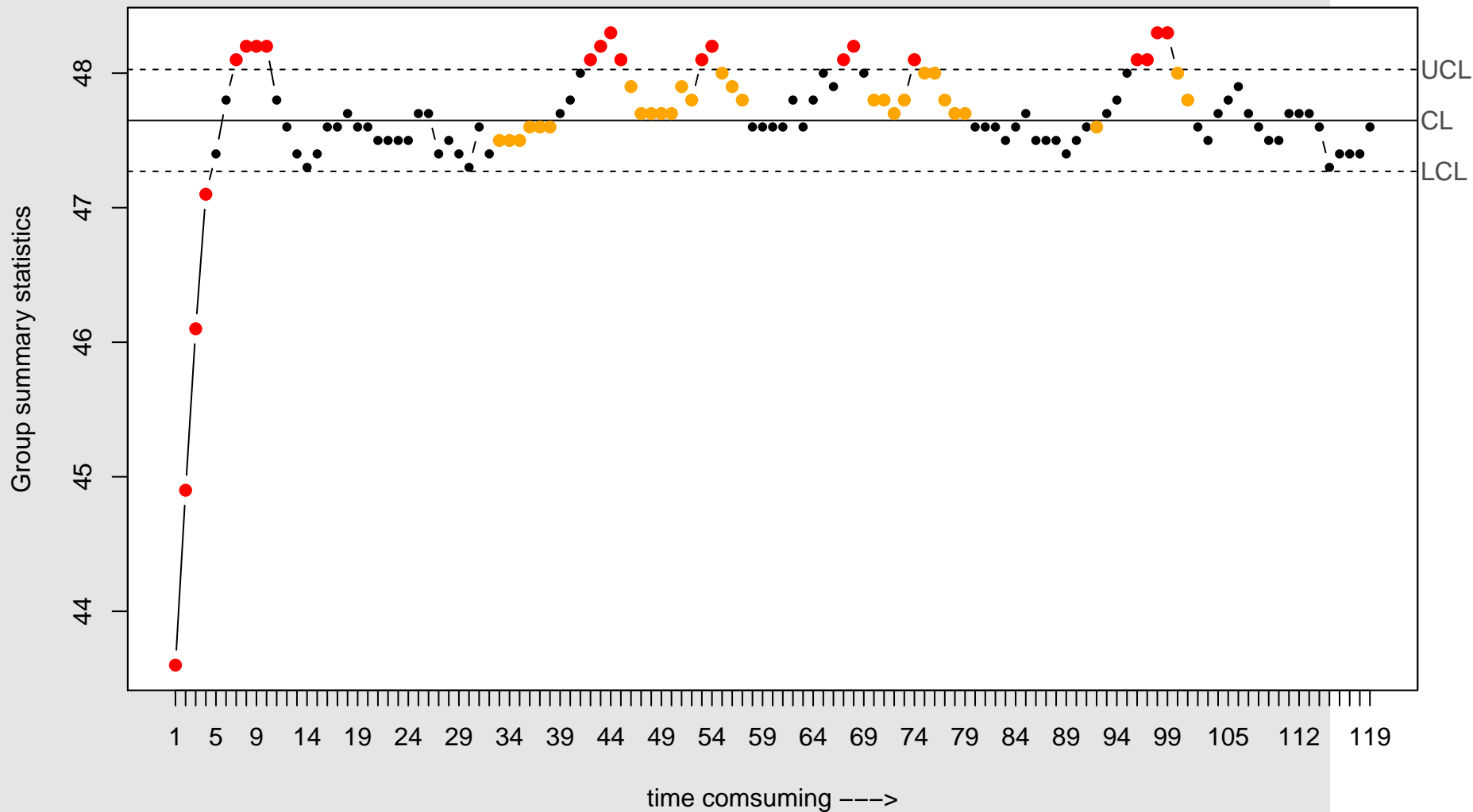
LCL = 47.29595

UCL = 48.0217

Number beyond limits = 15

Number violating runs = 29

# 60th column point of this product



Number of groups = 119

Center = 47.64874

StdDev = 0.1262171

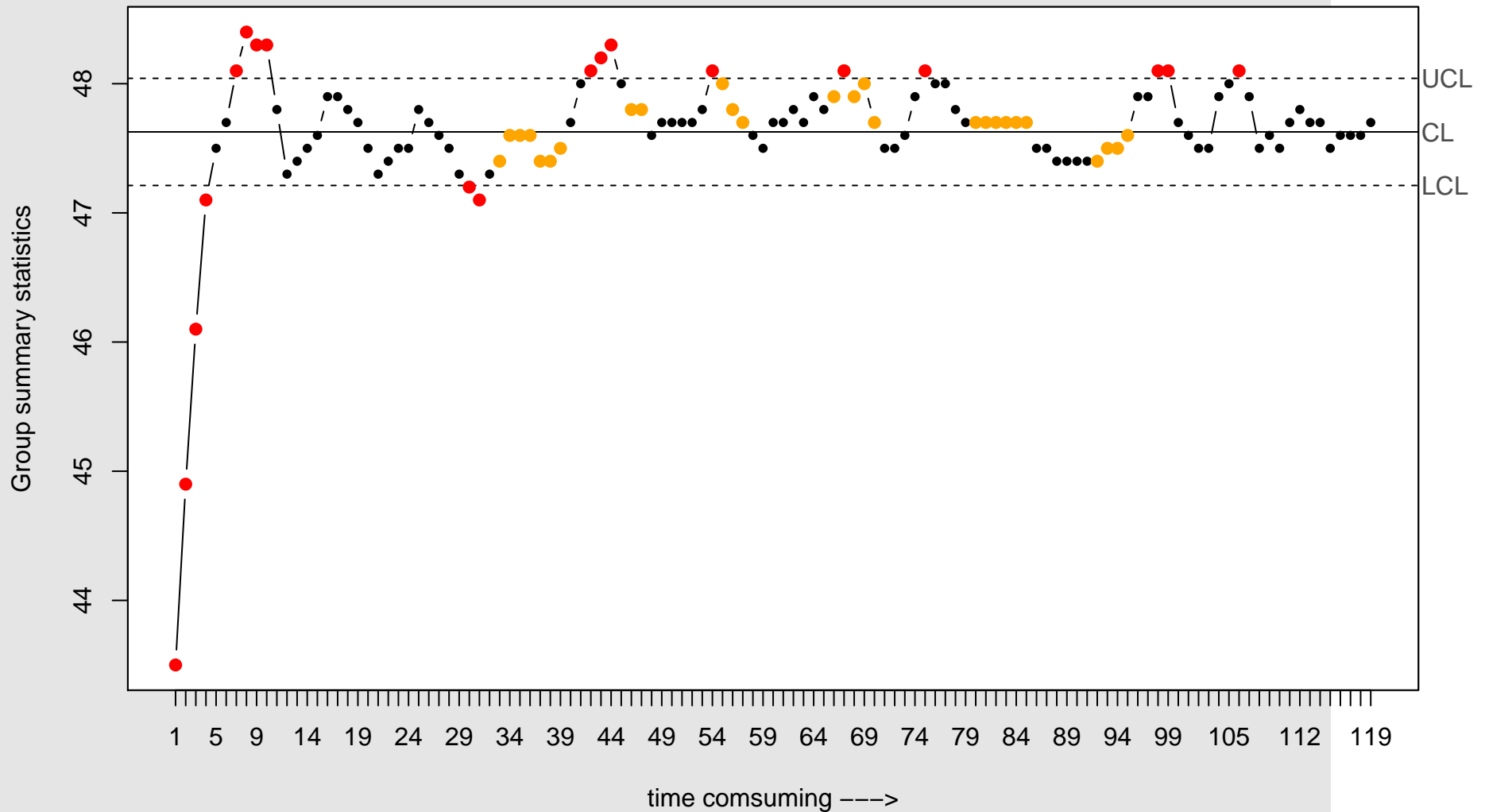
LCL = 47.27009

UCL = 48.02739

Number beyond limits = 21

Number violating runs = 33

# 61th column point of this product



Number of groups = 119

Center = 47.62689

StdDev = 0.1382378

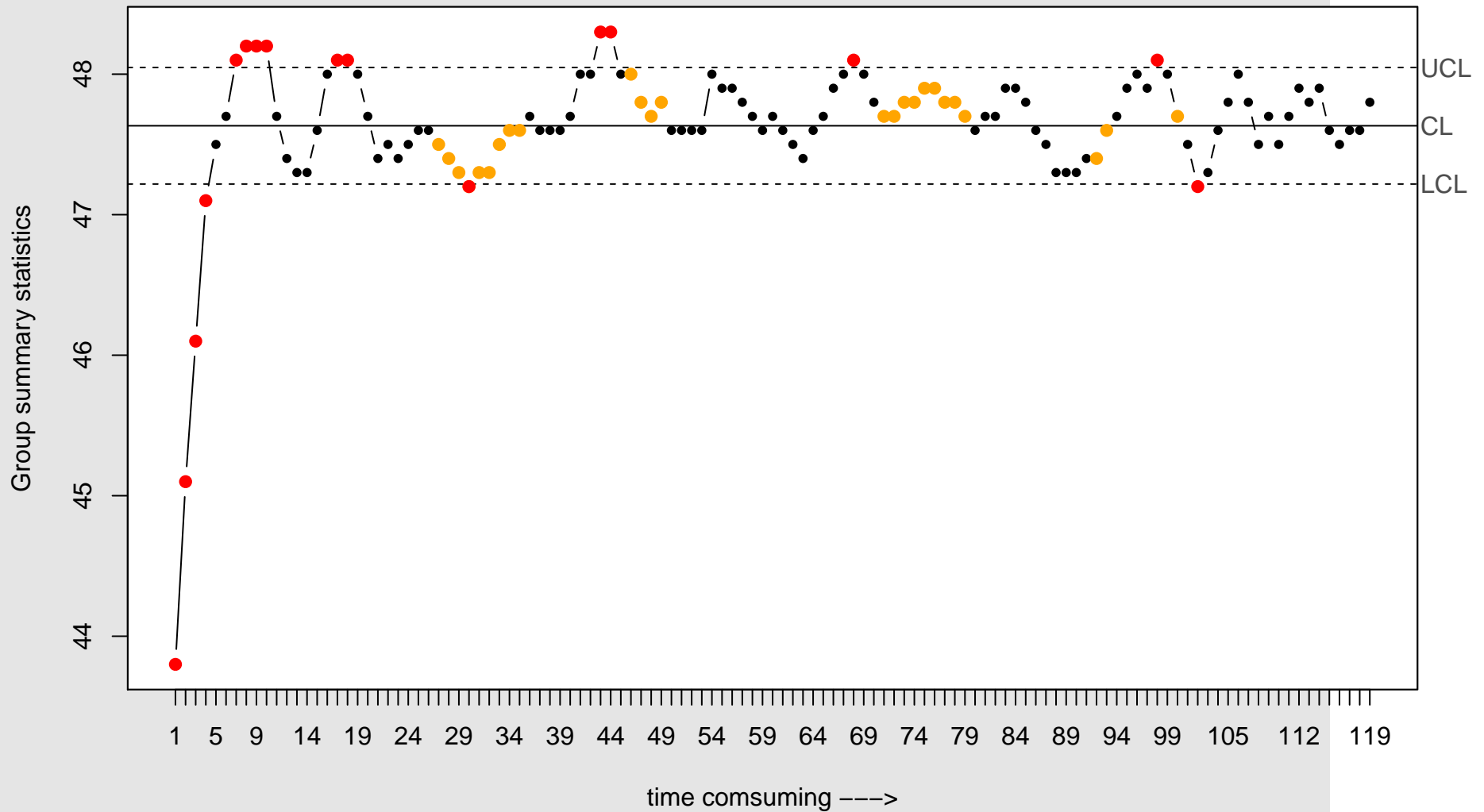
LCL = 47.21218

UCL = 48.0416

Number beyond limits = 19

Number violating runs = 27

## 62th column point of this product



Number of groups = 119

Center = 47.63277

StdDev = 0.1382378

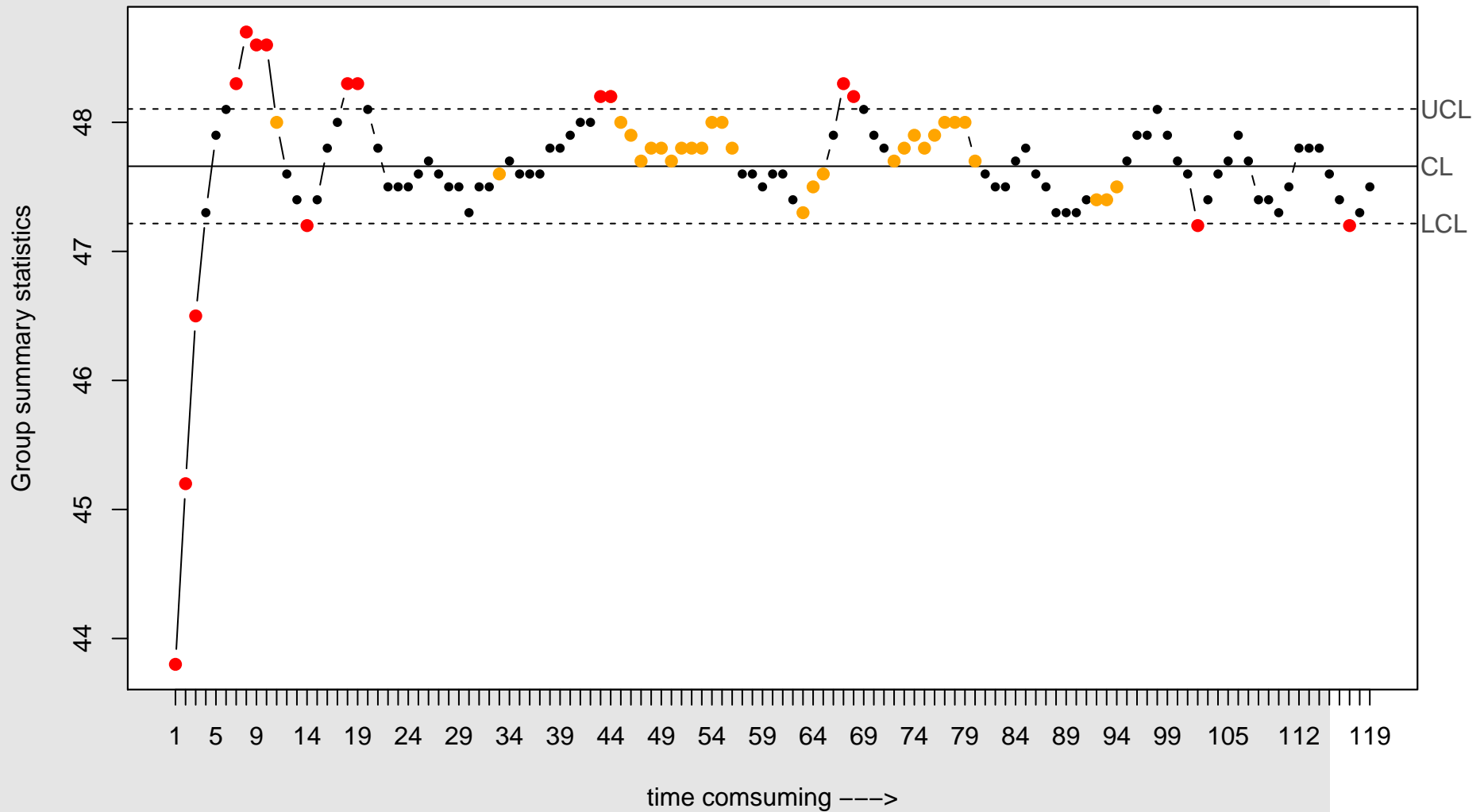
LCL = 47.21806

UCL = 48.04749

Number beyond limits = 16

Number violating runs = 25

### 63th column point of this product



Number of groups = 119

Center = 47.65966

StdDev = 0.1480046

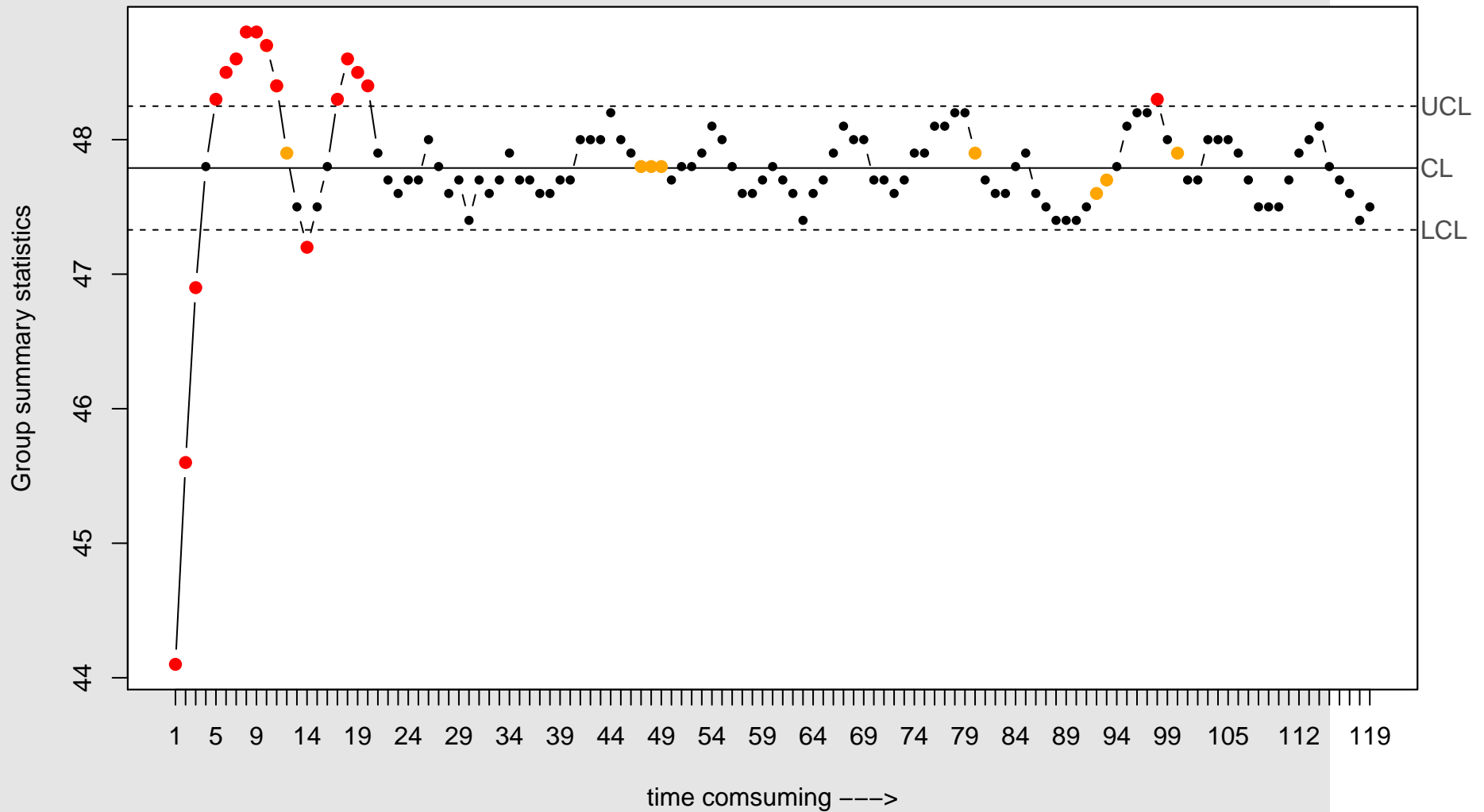
LCL = 47.21565

UCL = 48.10368

Number beyond limits = 16

Number violating runs = 30

# 64th column point of this product



Number of groups = 119

Center = 47.78908

StdDev = 0.1532636

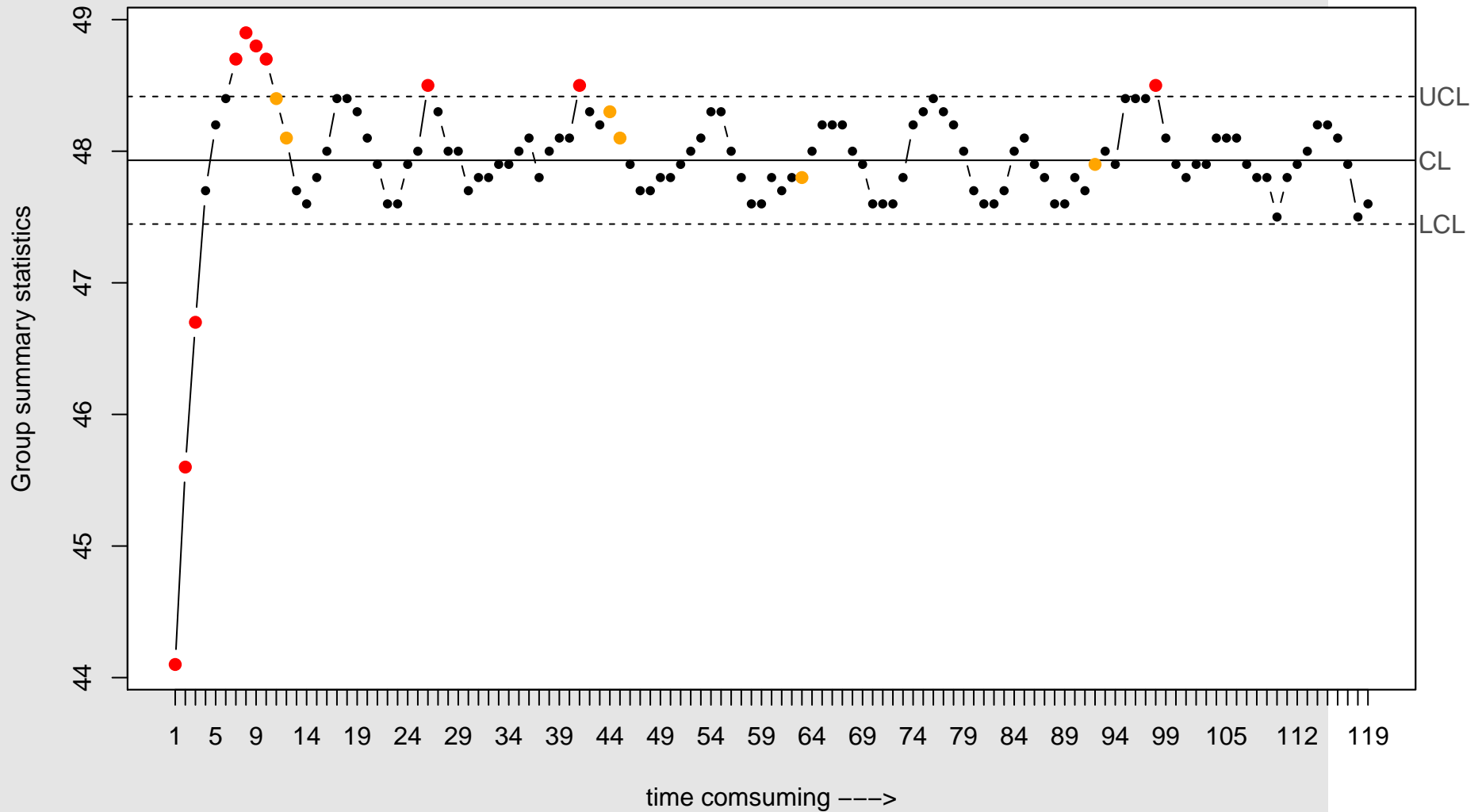
LCL = 47.32928

UCL = 48.24887

Number beyond limits = 16

Number violating runs = 10

# 65th column point of this product



Number of groups = 119

Center = 47.93109

StdDev = 0.1615278

LCL = 47.44651

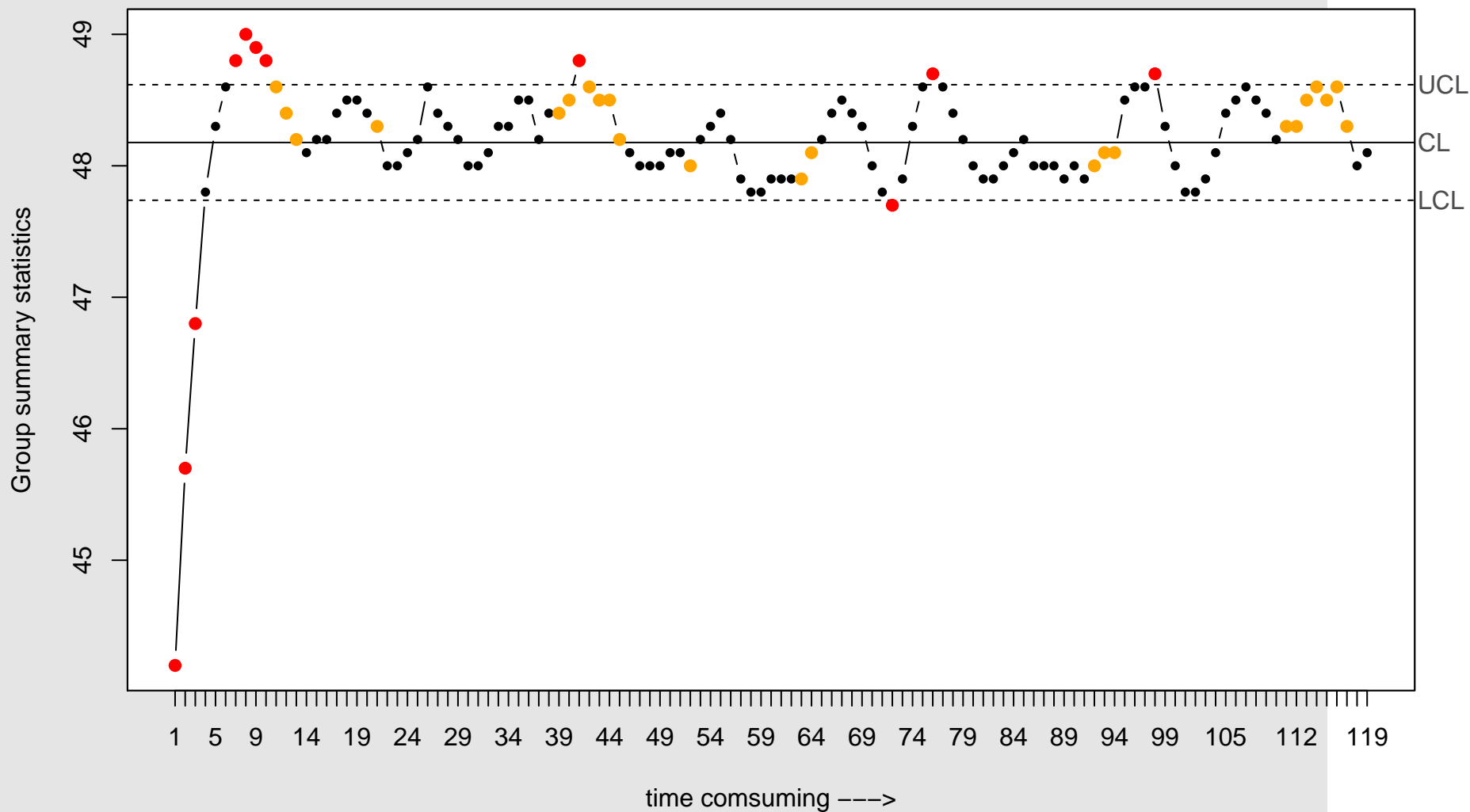
UCL = 48.41568

Number beyond limits = 10

Number violating runs = 6



# 66th column point of this product



Number of groups = 119

Center = 48.17731

StdDev = 0.146502

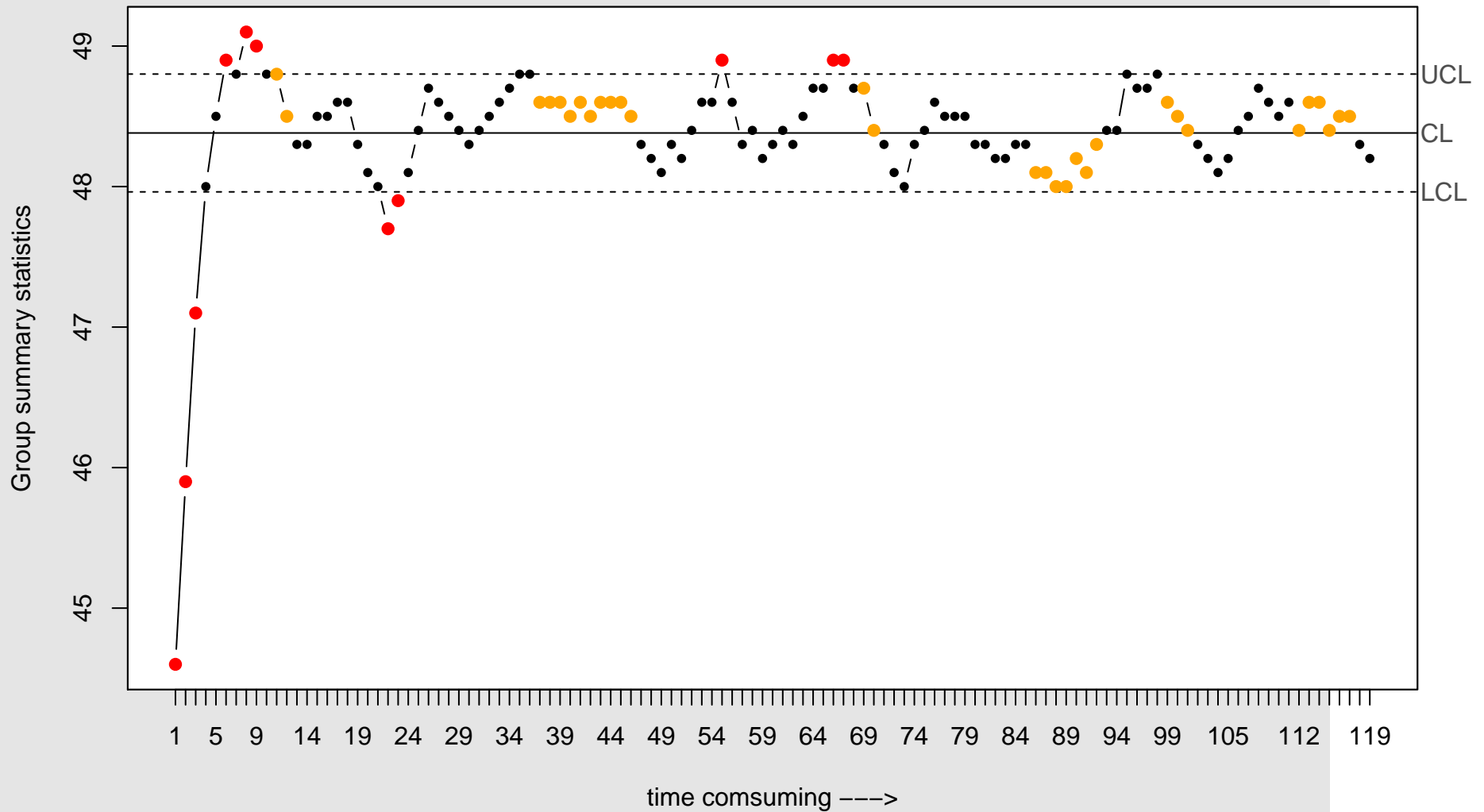
LCL = 47.7378

UCL = 48.61682

Number beyond limits = 11

Number violating runs = 24

# 67th column point of this product



Number of groups = 119

Center = 48.38151

StdDev = 0.1397404

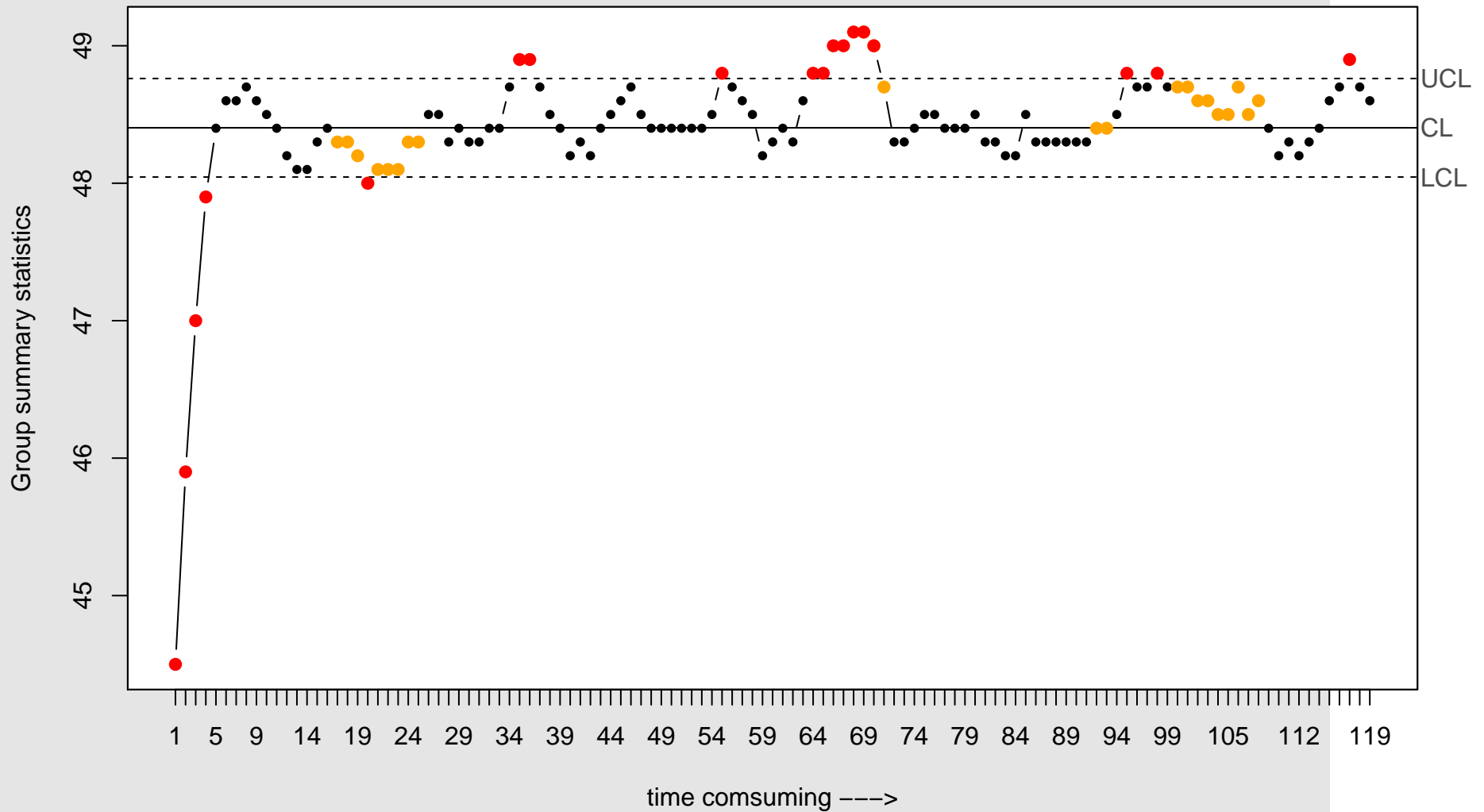
LCL = 47.96229

UCL = 48.80073

Number beyond limits = 11

Number violating runs = 30

# 68th column point of this product



Number of groups = 119

Center = 48.40336

StdDev = 0.1194555

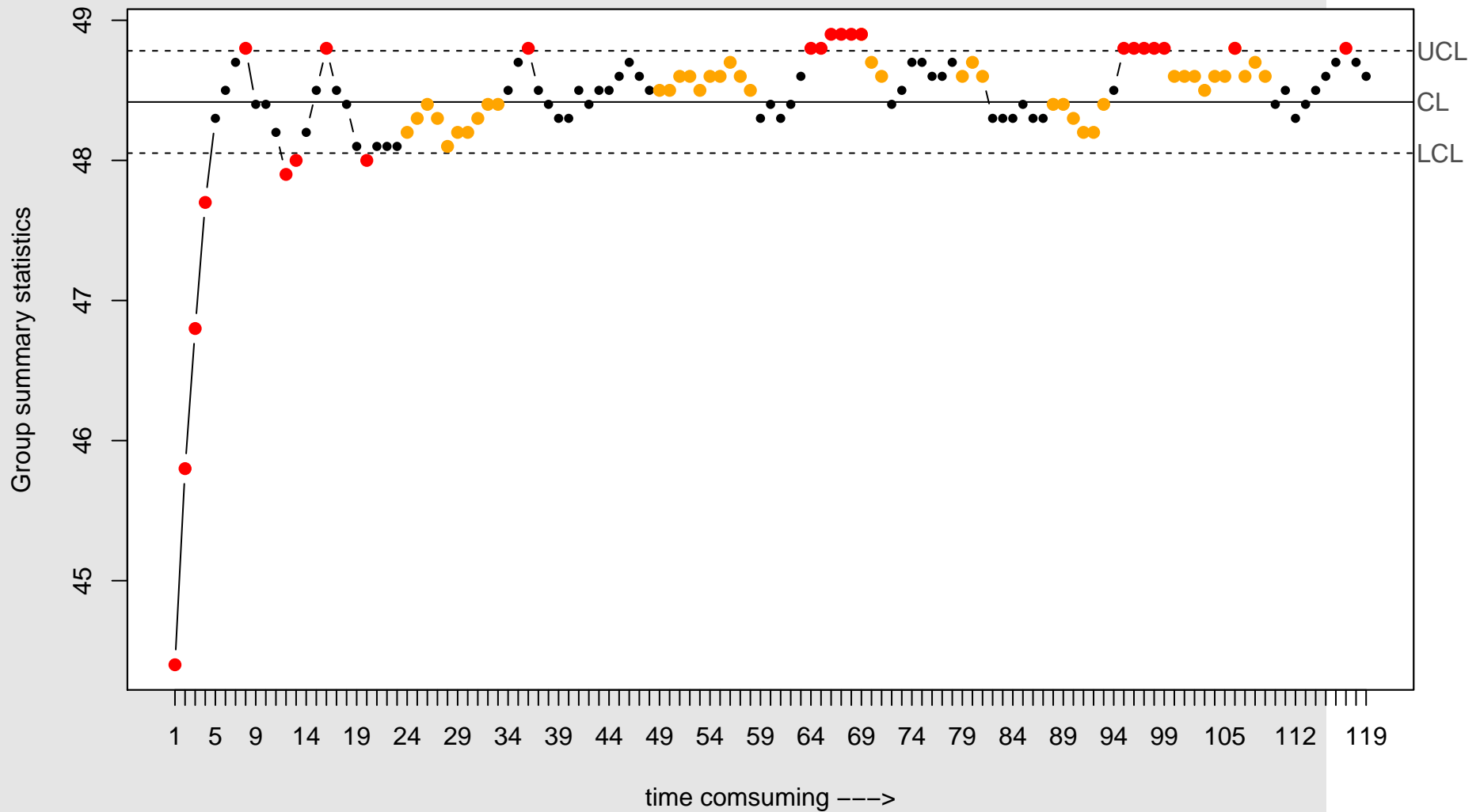
LCL = 48.04499

UCL = 48.76173

Number beyond limits = 18

Number violating runs = 23

# 69th column point of this product



Number of groups = 119

Center = 48.41681

StdDev = 0.1217093

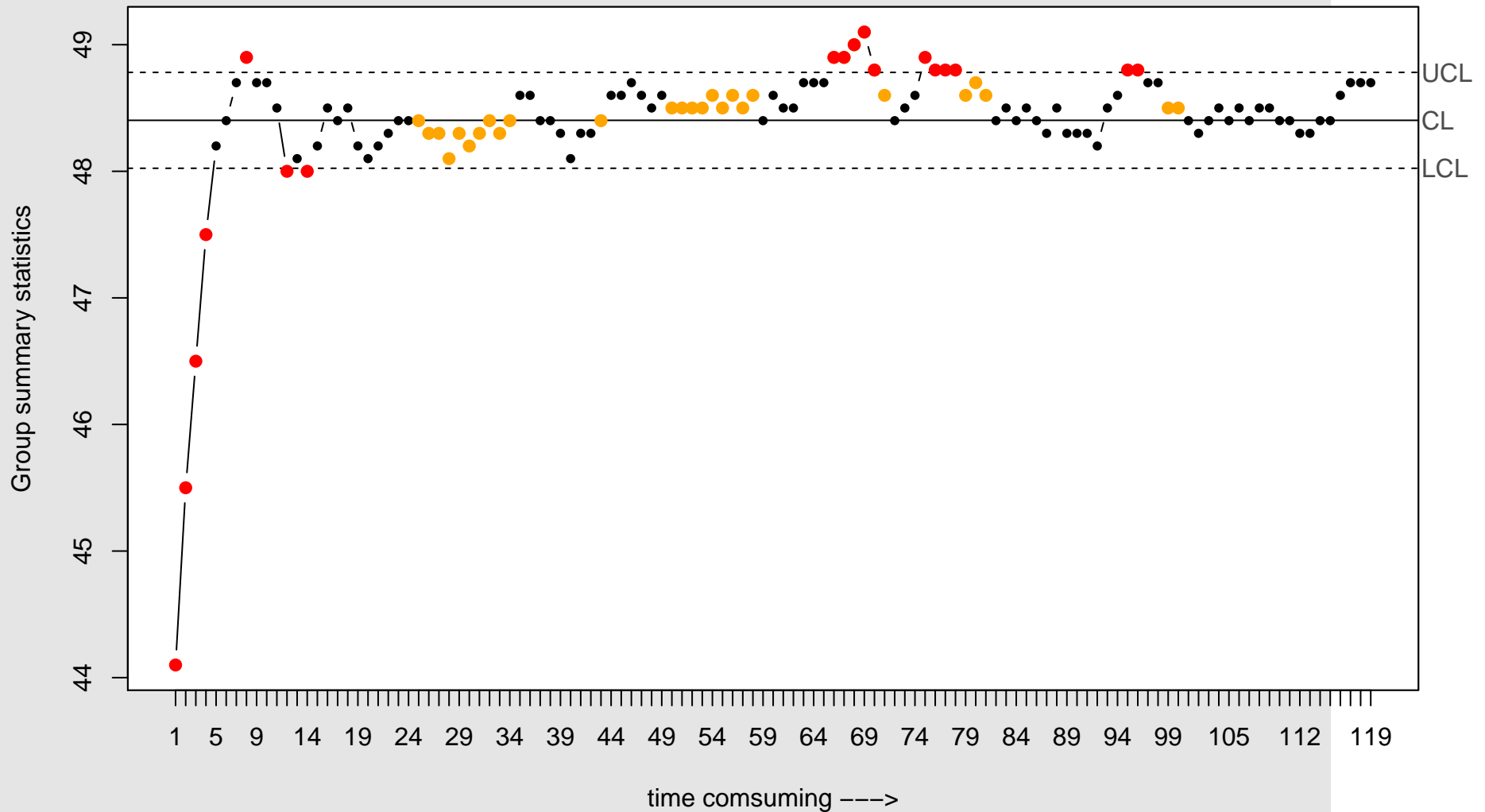
LCL = 48.05168

UCL = 48.78193

Number beyond limits = 23

Number violating runs = 42

### 70th column point of this product



Number of groups = 119

Center = 48.40252

StdDev = 0.1262171

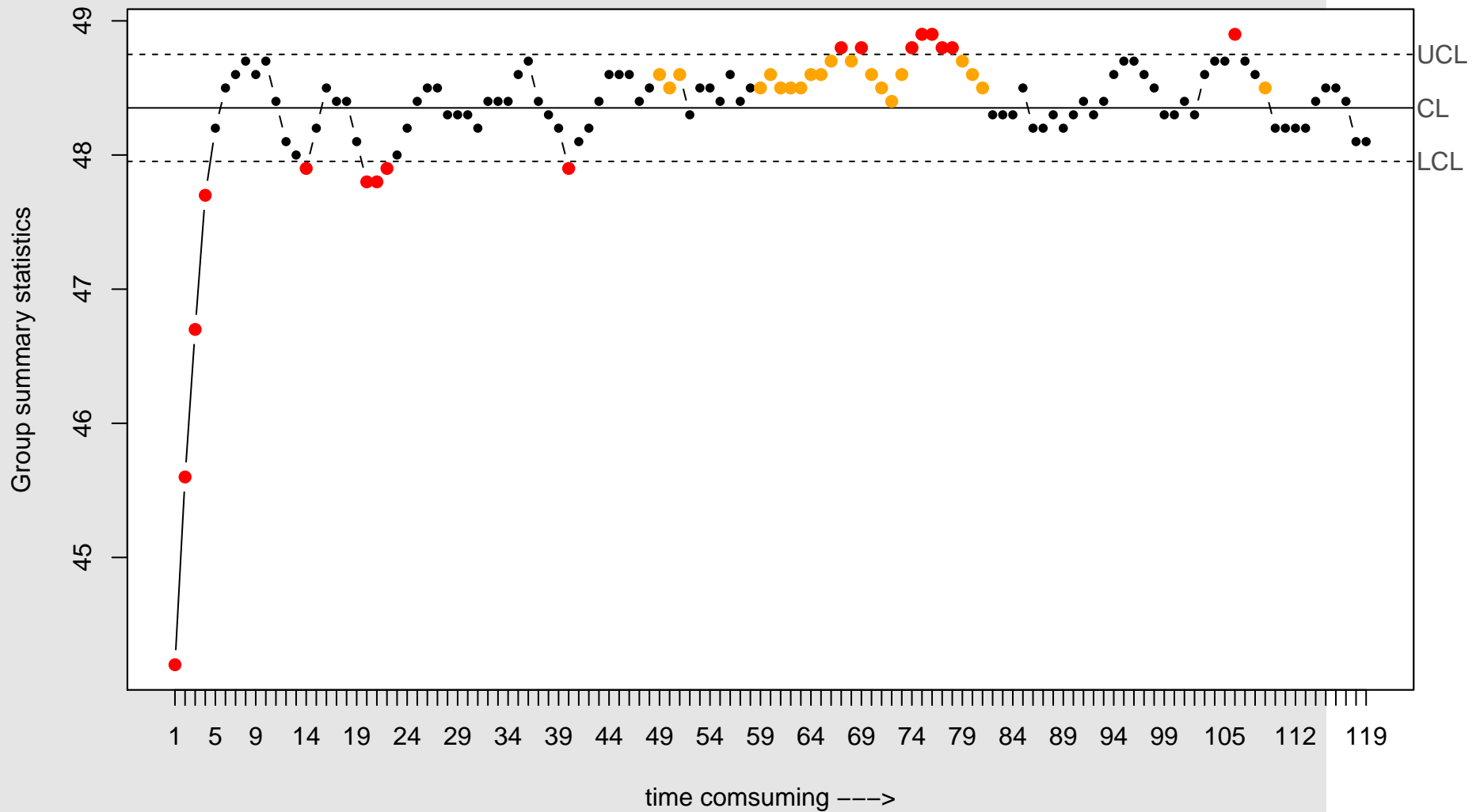
LCL = 48.02387

UCL = 48.78117

Number beyond limits = 18

Number violating runs = 31

# 71th column point of this product



Number of groups = 119

Center = 48.35126

StdDev = 0.1329787

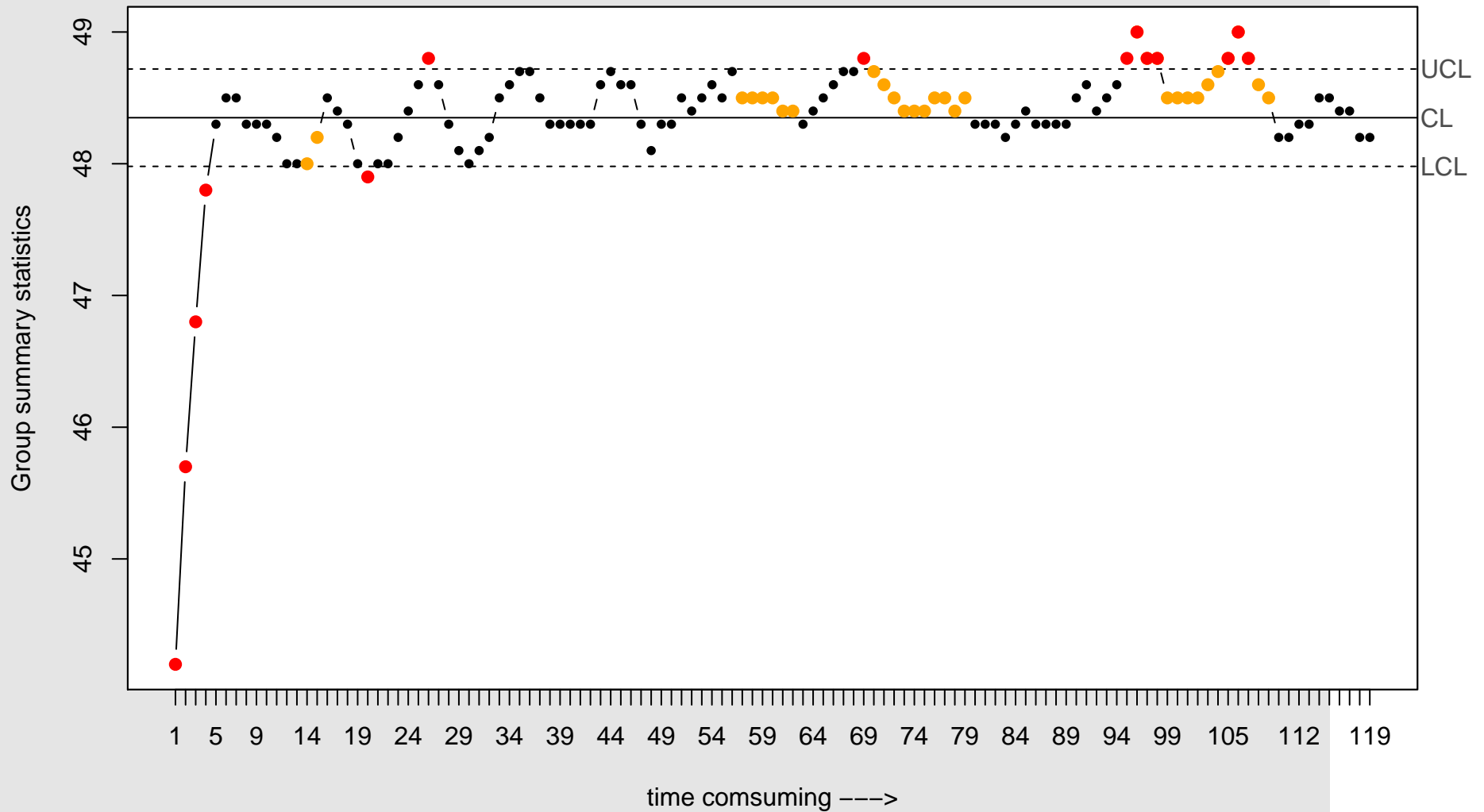
LCL = 47.95232

UCL = 48.7502

Number beyond limits = 17

Number violating runs = 27

## 72th column point of this product



Number of groups = 119

Center = 48.34958

StdDev = 0.1232119

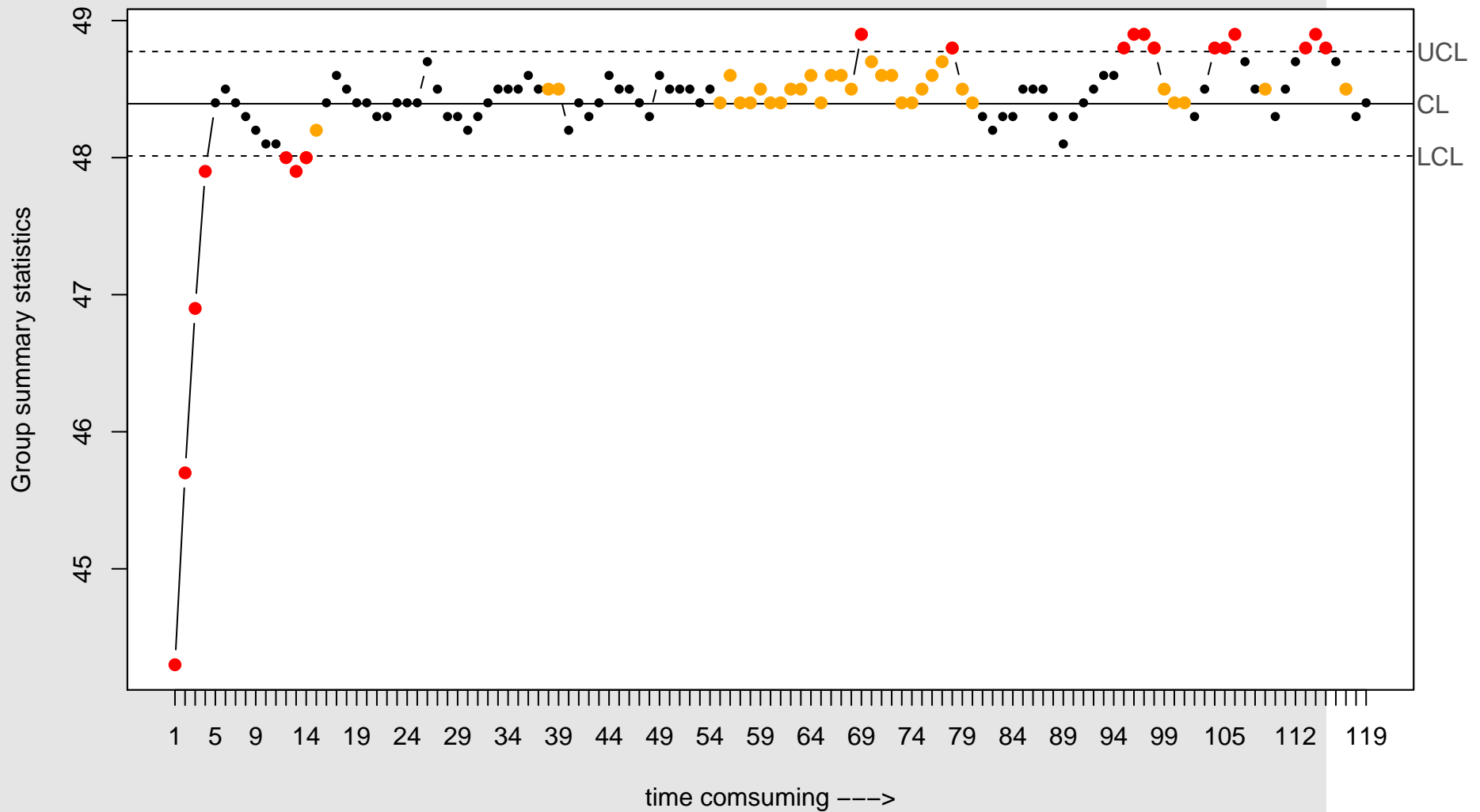
LCL = 47.97994

UCL = 48.71922

Number beyond limits = 14

Number violating runs = 32

### 73th column point of this product



Number of groups = 119

Center = 48.39328

StdDev = 0.1269684

LCL = 48.01237

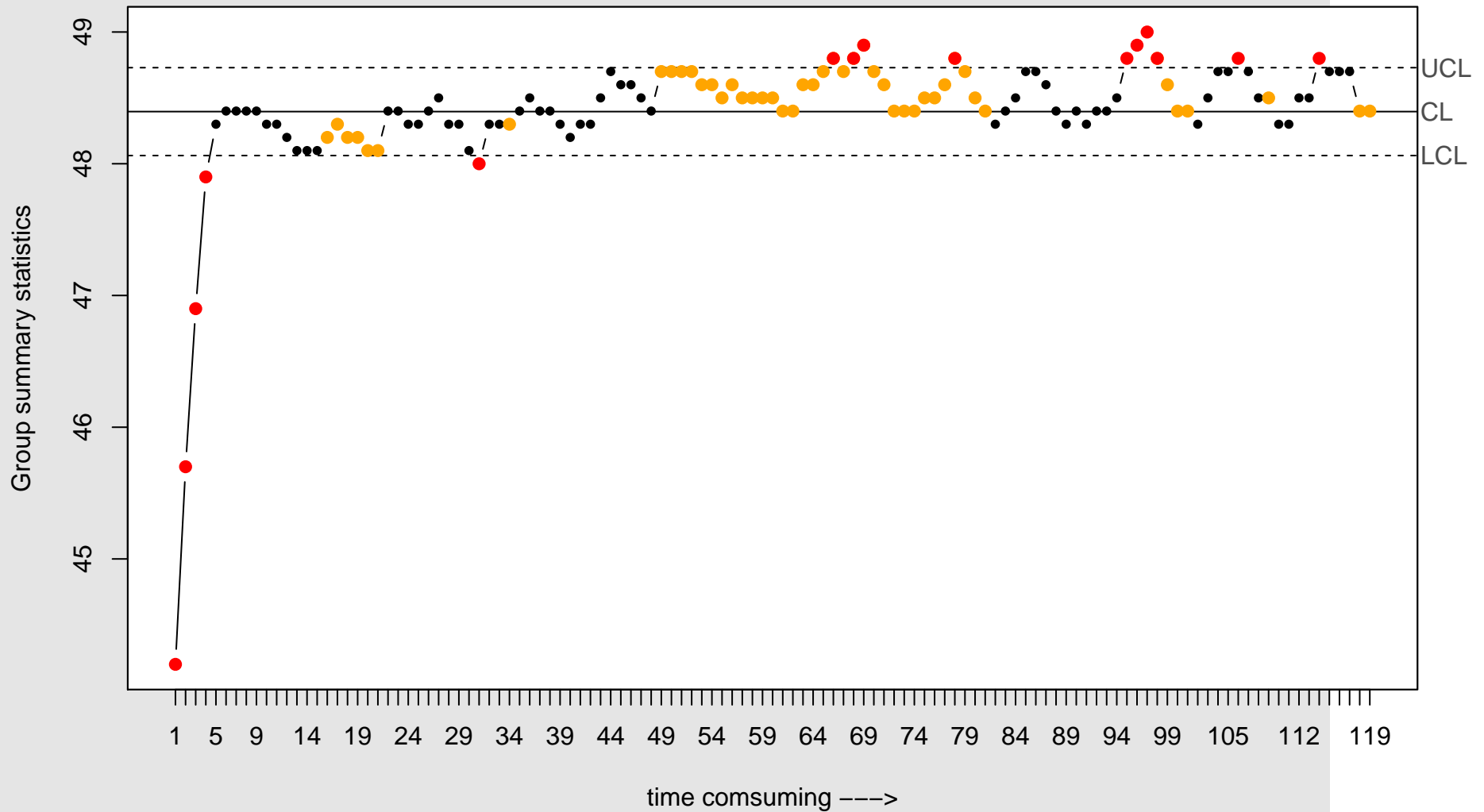
UCL = 48.77418

Number beyond limits = 19

Number violating runs = 37



### 74th column point of this product



Number of groups = 119

Center = 48.3958

StdDev = 0.1111912

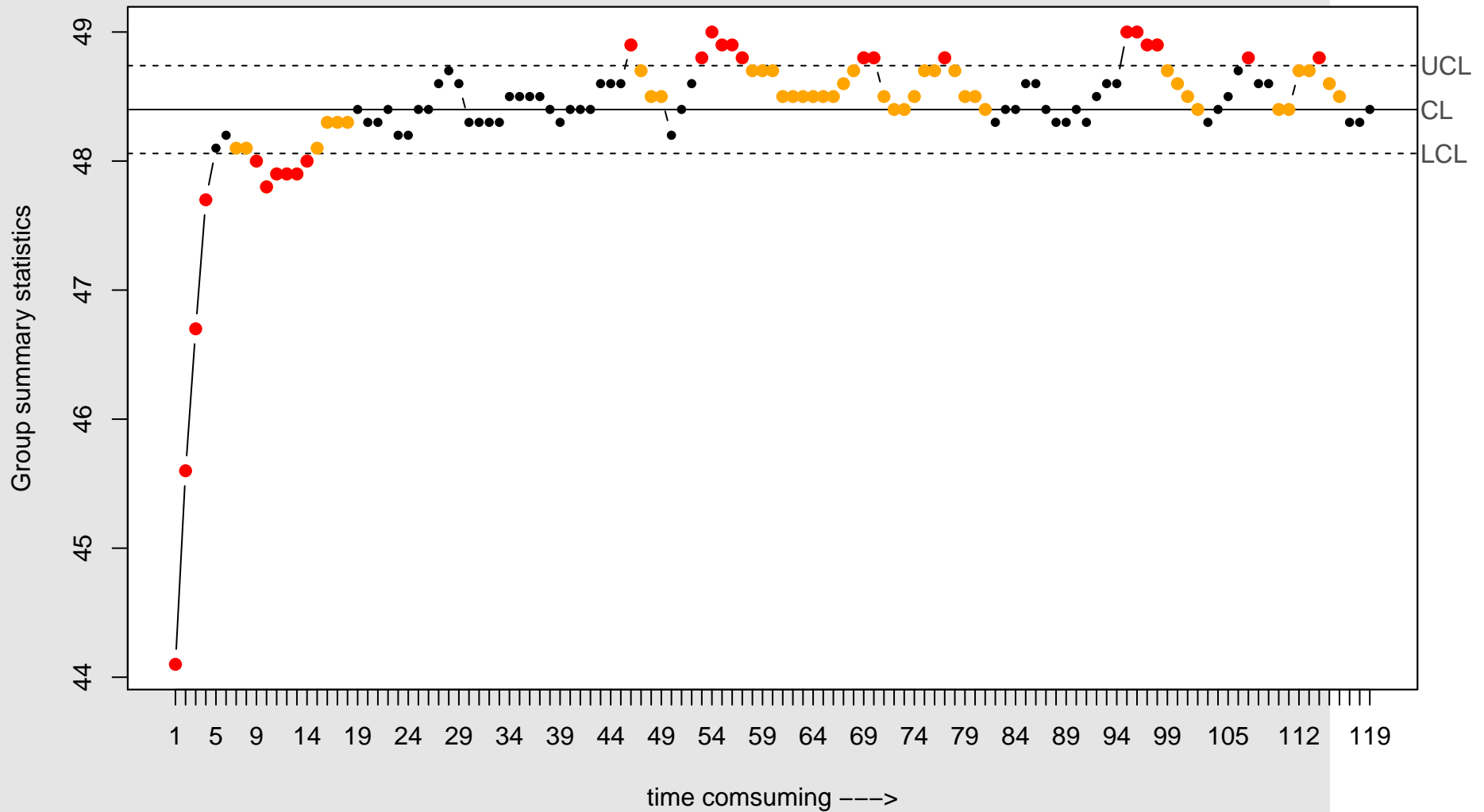
LCL = 48.06222

UCL = 48.72937

Number beyond limits = 15

Number violating runs = 47

### 75th column point of this product



Number of groups = 119

Center = 48.39916

StdDev = 0.1134451

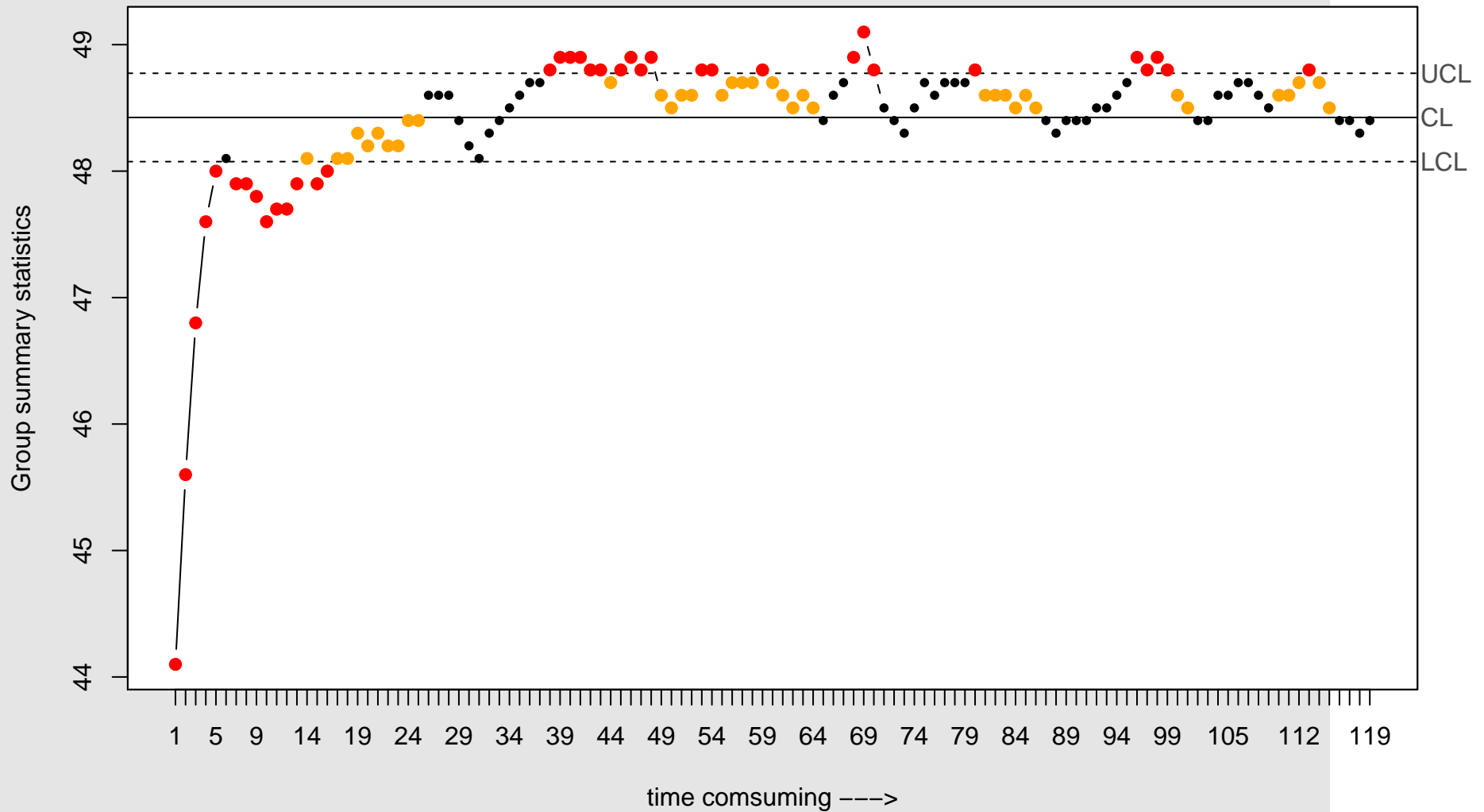
LCL = 48.05882

UCL = 48.7395

Number beyond limits = 25

Number violating runs = 53

## 76th column point of this product



Number of groups = 119

Center = 48.42437

StdDev = 0.1164503

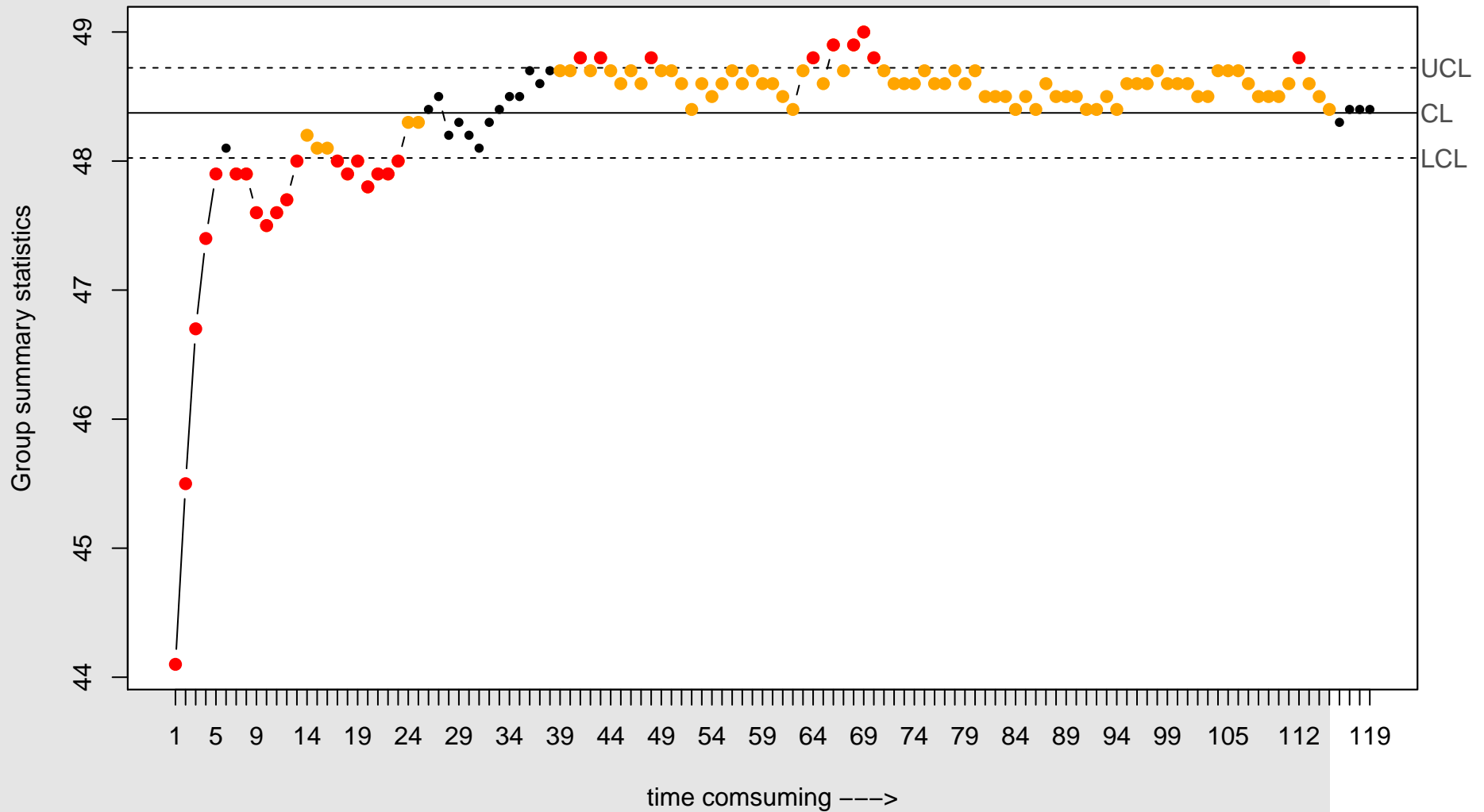
LCL = 48.07502

UCL = 48.77372

Number beyond limits = 36

Number violating runs = 61

### 77th column point of this product

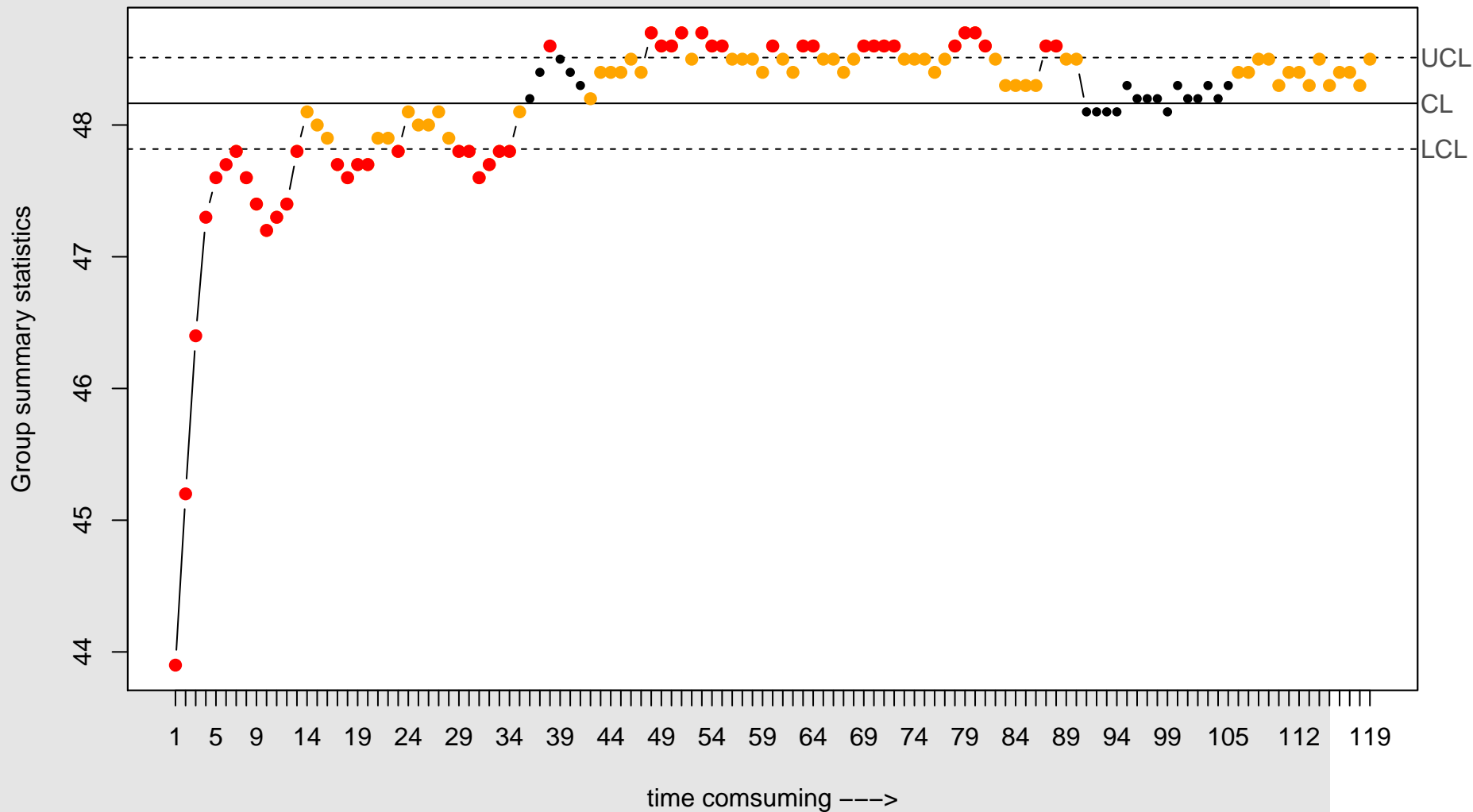


Number of groups = 119  
Center = 48.37311  
StdDev = 0.1164503

LCL = 48.02376  
UCL = 48.72246

Number beyond limits = 28  
Number violating runs = 96

# 78th column point of this product



Number of groups = 119

Center = 48.16471

StdDev = 0.115699

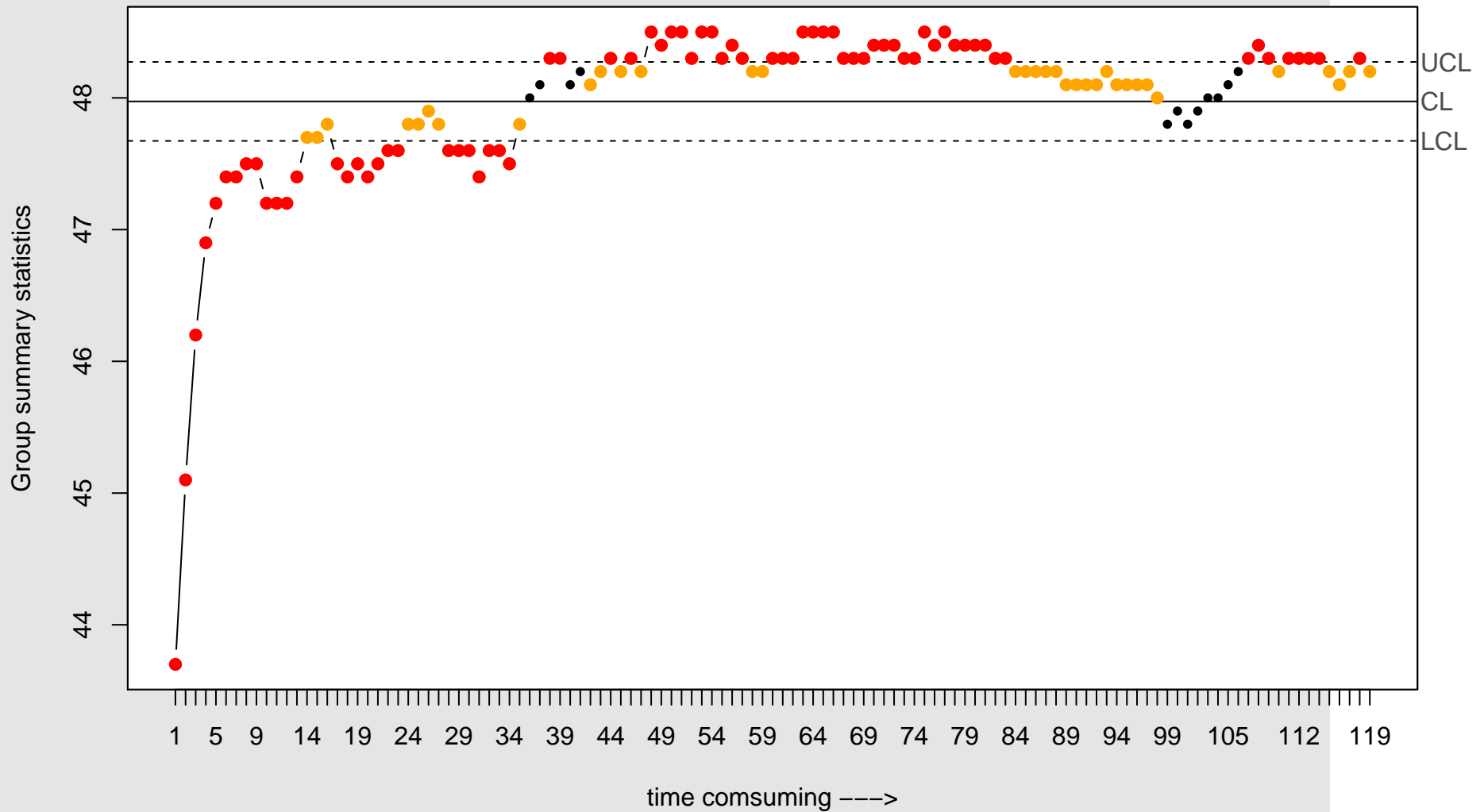
LCL = 47.81761

UCL = 48.5118

Number beyond limits = 45

Number violating runs = 92

## 79th column point of this product

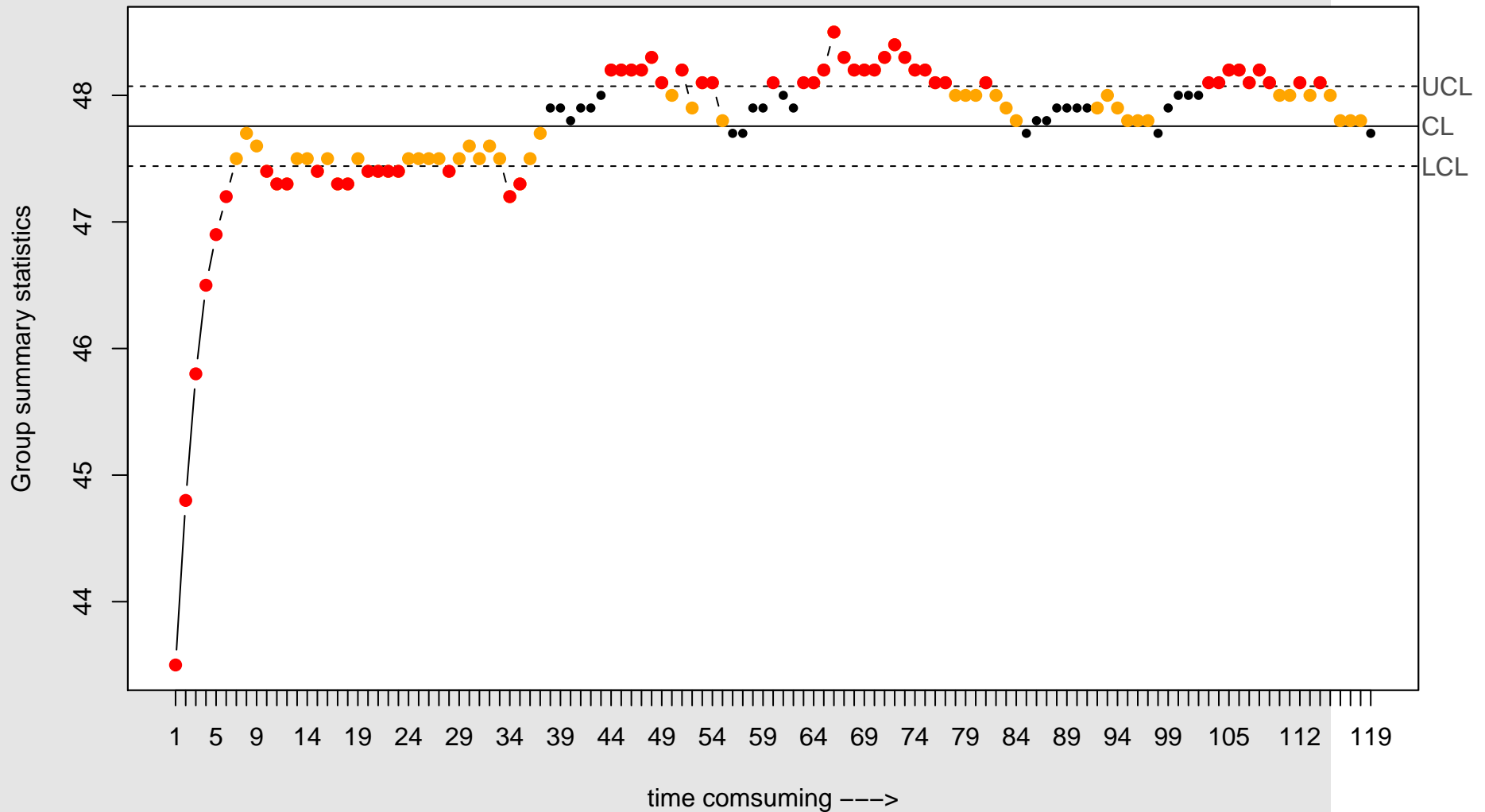


Number of groups = 119  
Center = 47.97311  
StdDev = 0.09992187

LCL = 47.67334  
UCL = 48.27287

Number beyond limits = 73  
Number violating runs = 97

# 80th column point of this product



Number of groups = 119

Center = 47.7563

StdDev = 0.1051809

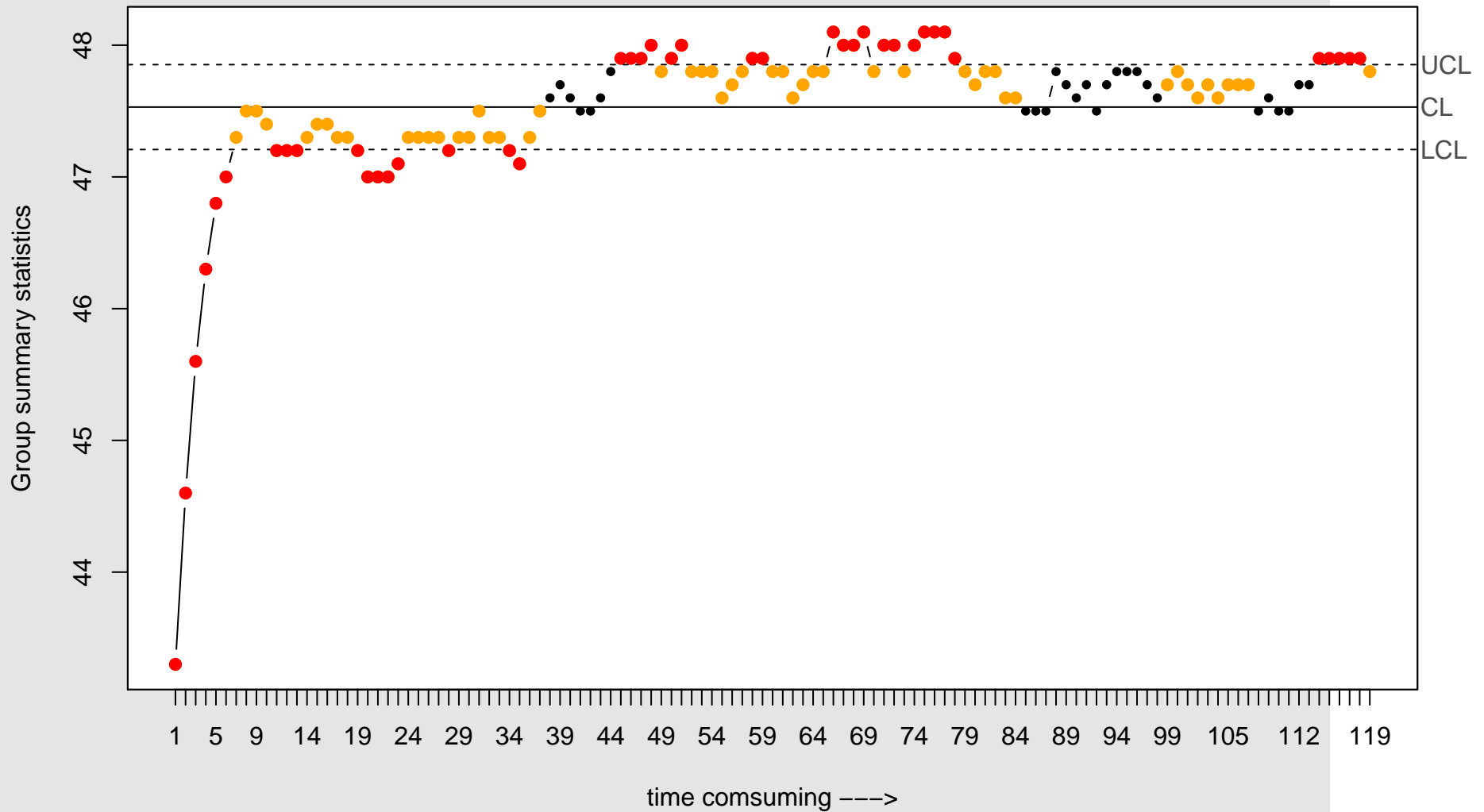
LCL = 47.44076

UCL = 48.07185

Number beyond limits = 54

Number violating runs = 84

### 81th column point of this product



Number of groups = 119

Center = 47.53025

StdDev = 0.1074348

LCL = 47.20795

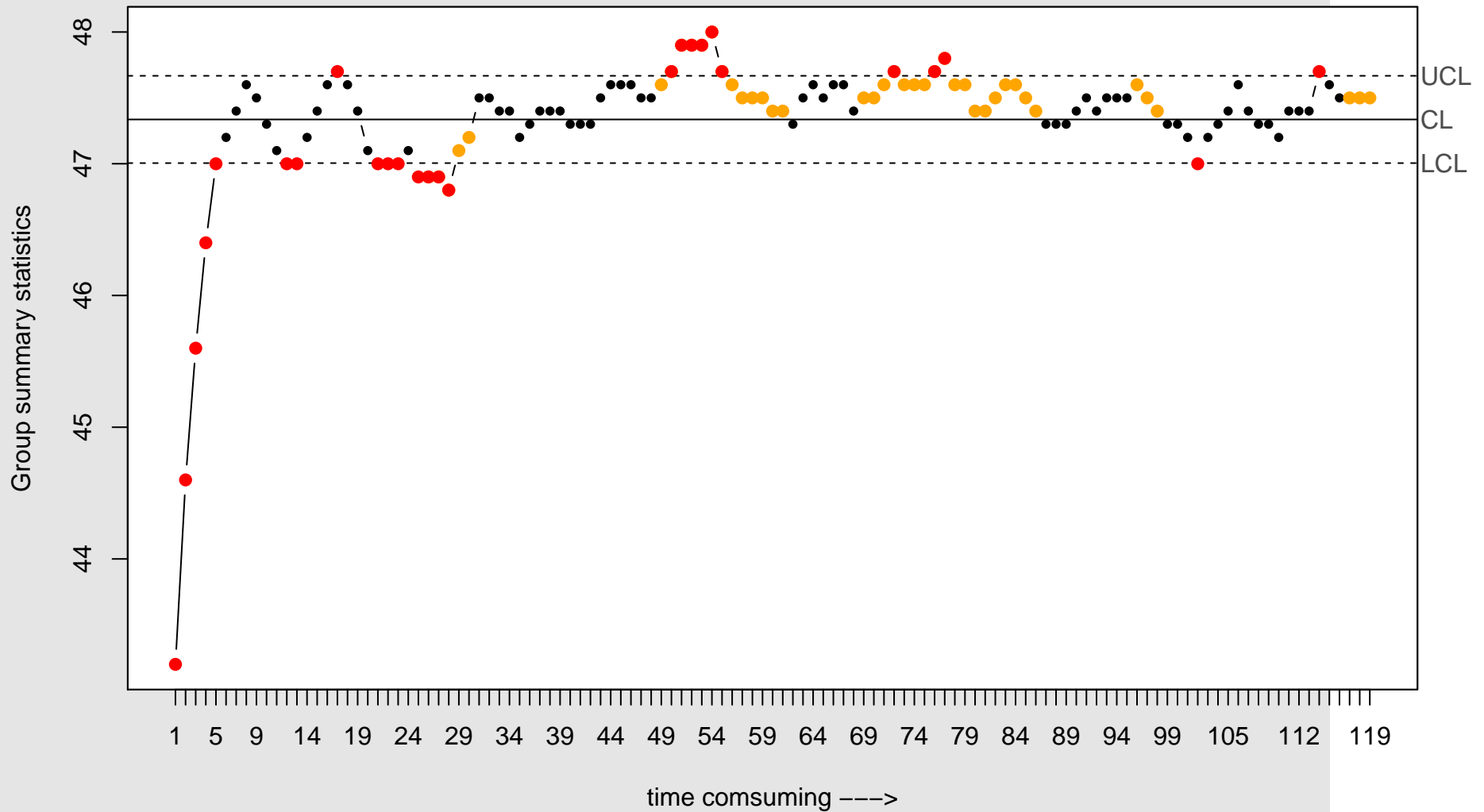
UCL = 47.85256

Number beyond limits = 41

Number violating runs = 78



## 82th column point of this product

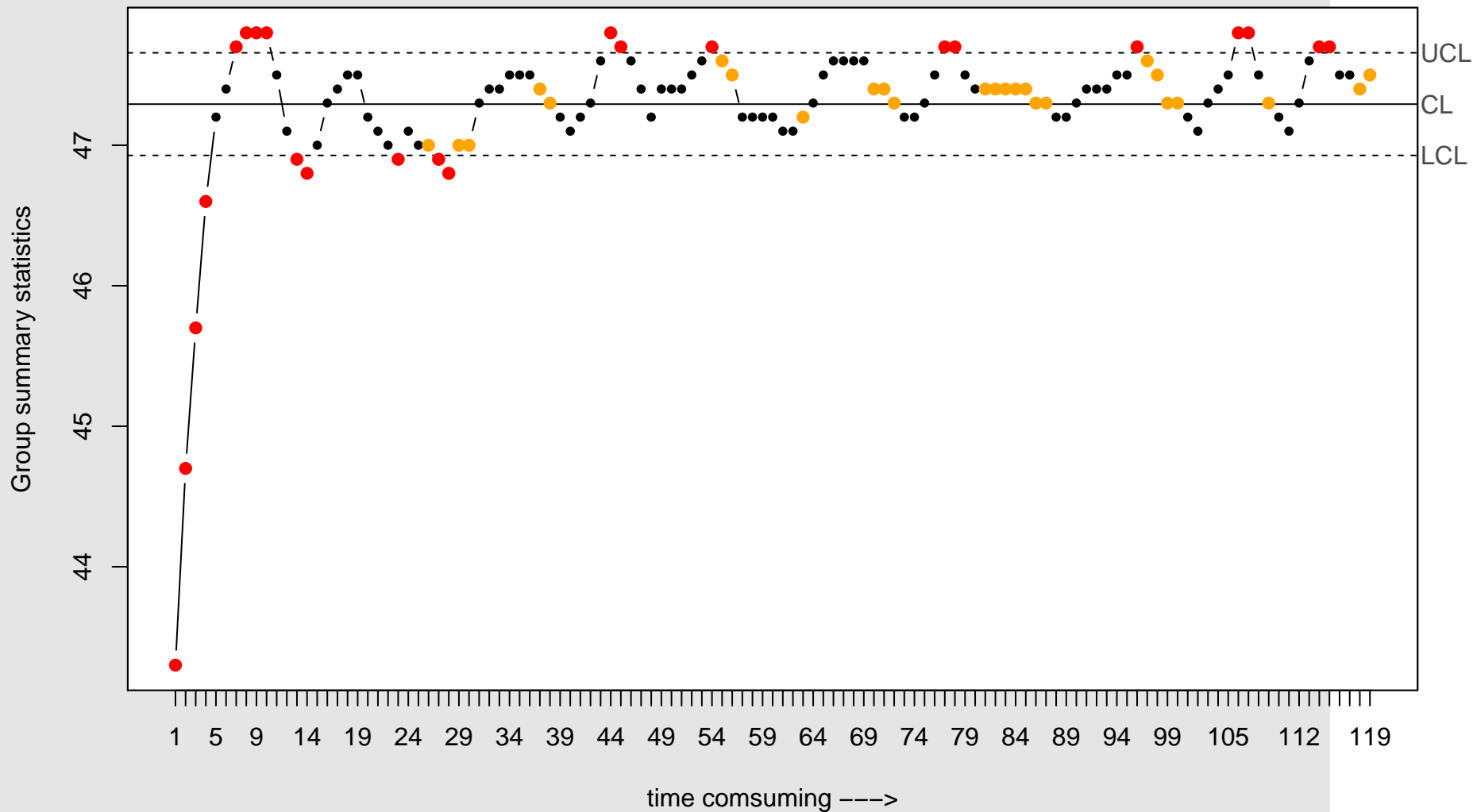


Number of groups = 119  
Center = 47.33613  
StdDev = 0.11044

LCL = 47.00481  
UCL = 47.66745

Number beyond limits = 26  
Number violating runs = 42

# 83th column point of this product



Number of groups = 119

Center = 47.29244

StdDev = 0.1217093

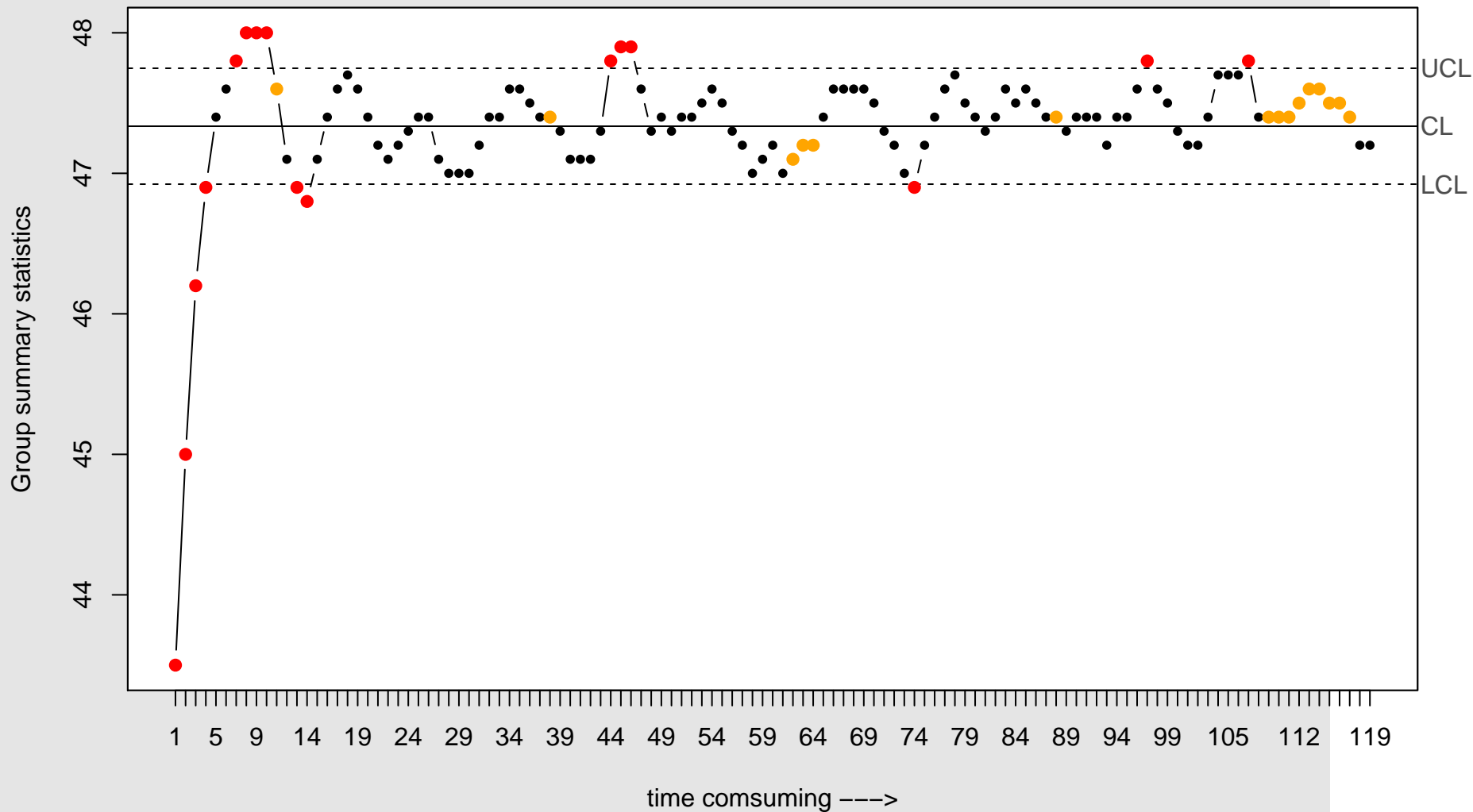
LCL = 46.92731

UCL = 47.65756

Number beyond limits = 23

Number violating runs = 28

# 84th column point of this product



Number of groups = 119

Center = 47.33529

StdDev = 0.1374865

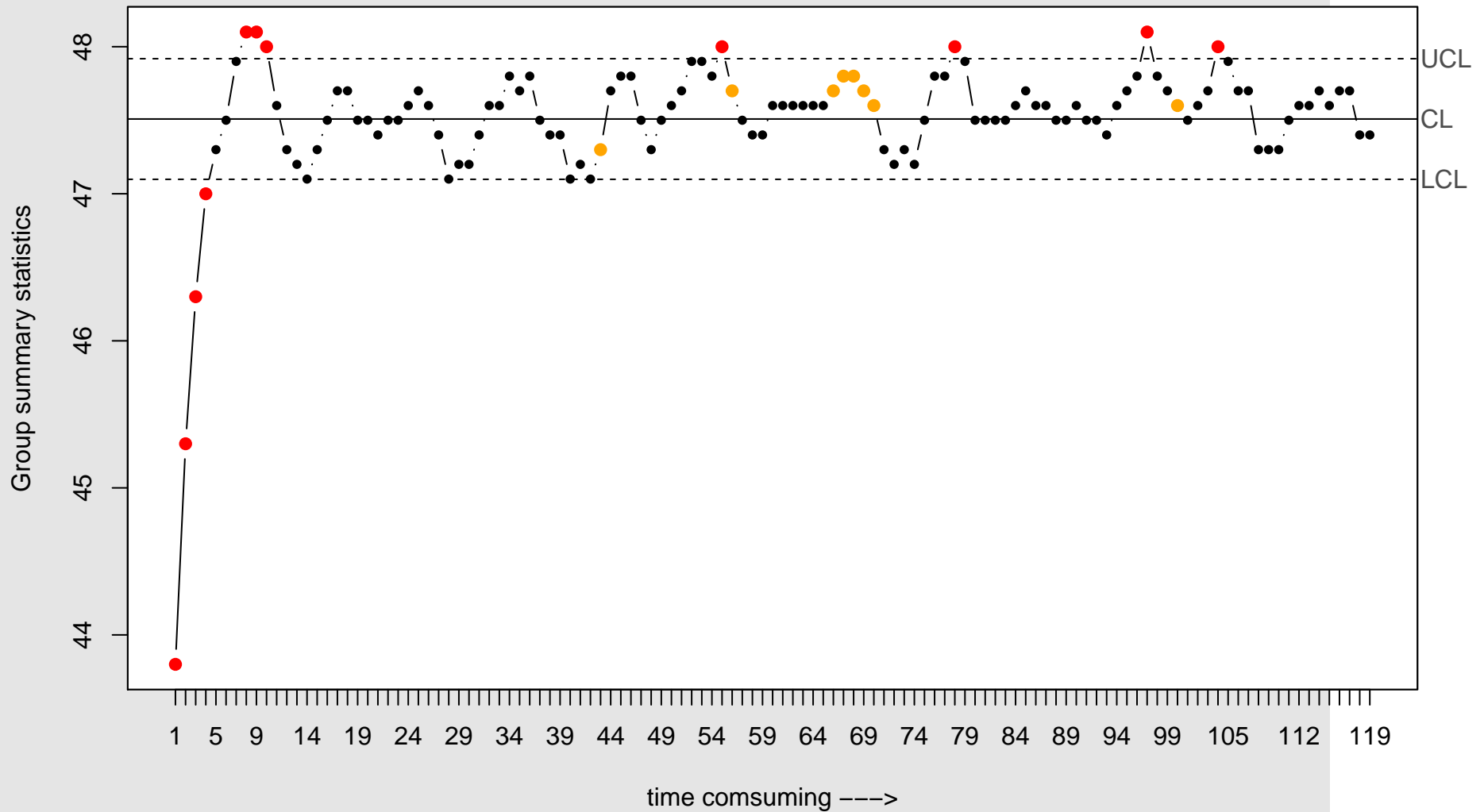
LCL = 46.92283

UCL = 47.74775

Number beyond limits = 16

Number violating runs = 15

# 85th column point of this product

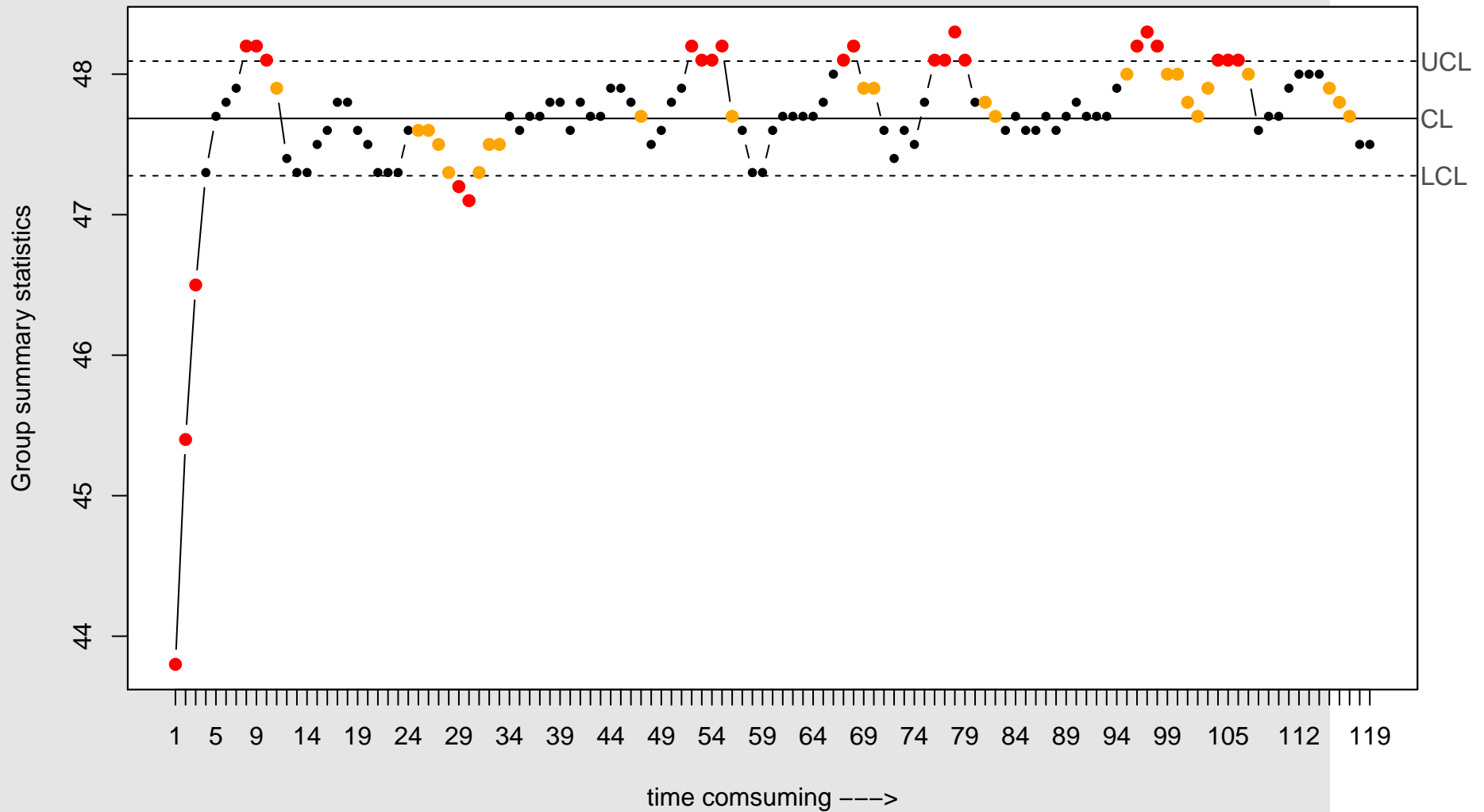


Number of groups = 119  
 Center = 47.5084  
 StdDev = 0.1367352

LCL = 47.0982  
 UCL = 47.91861

Number beyond limits = 11  
 Number violating runs = 8

# 86th column point of this product



Number of groups = 119

Center = 47.68487

StdDev = 0.1359839

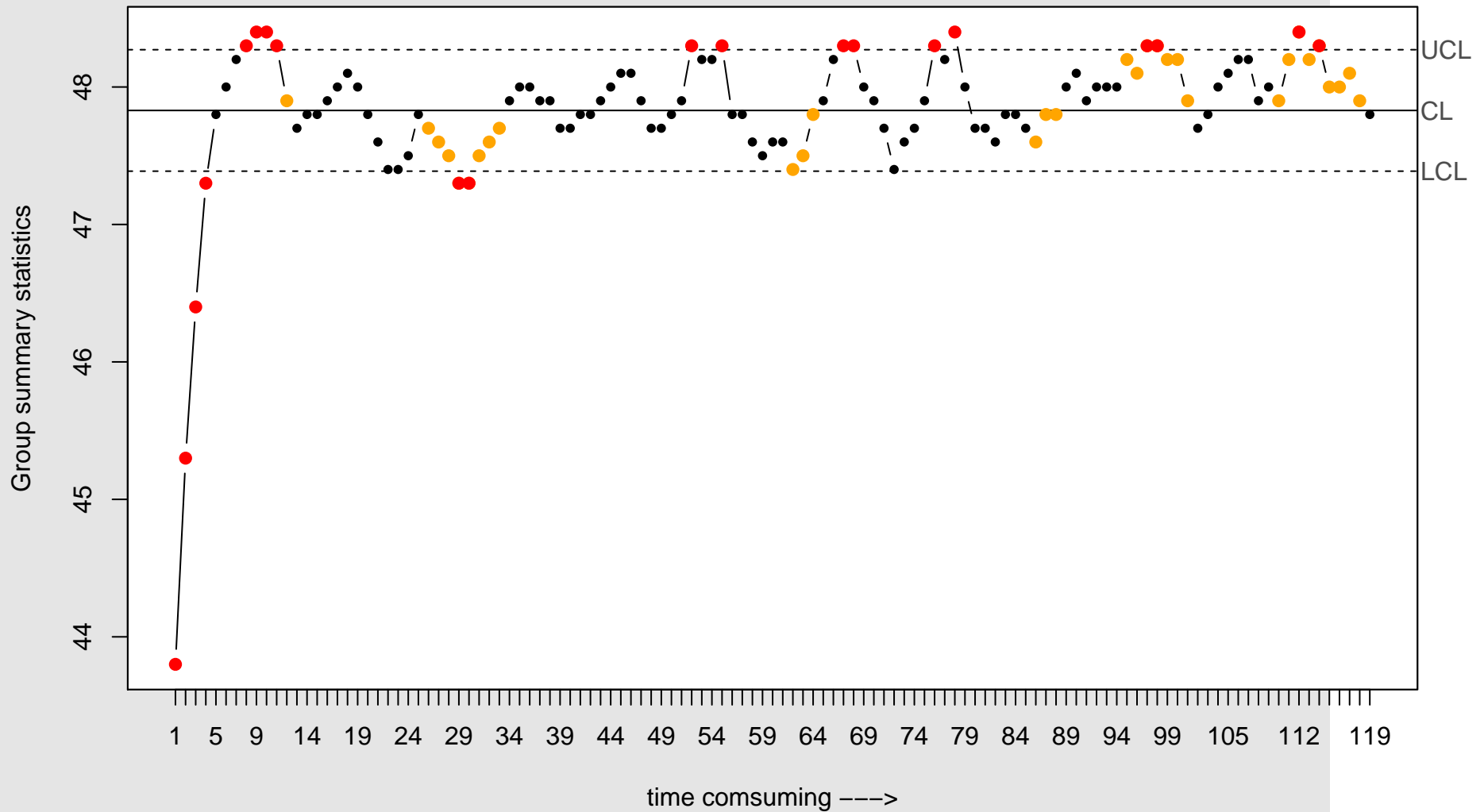
LCL = 47.27692

UCL = 48.09283

Number beyond limits = 24

Number violating runs = 34

# 87th column point of this product



Number of groups = 119

Center = 47.82941

StdDev = 0.1472533

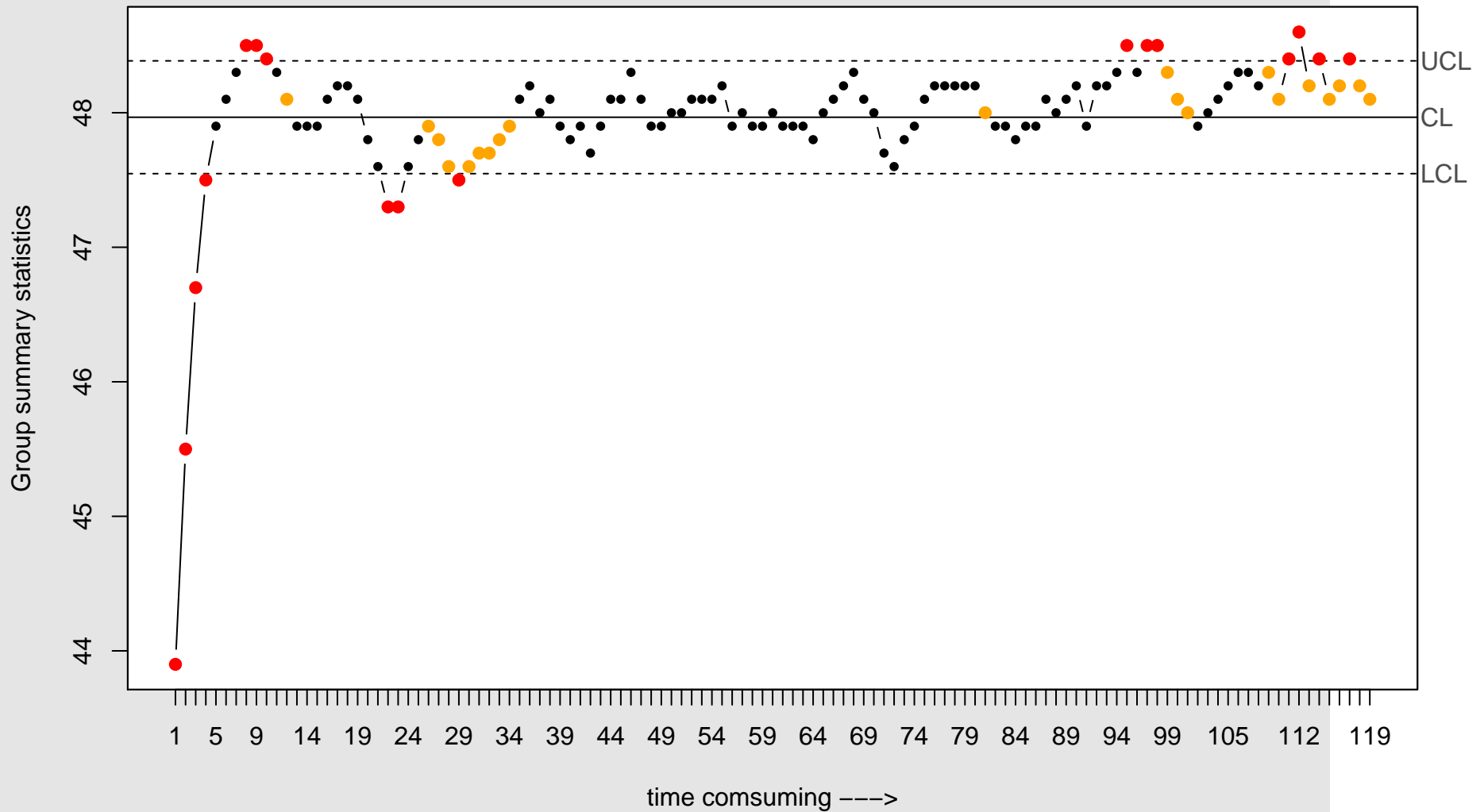
LCL = 47.38765

UCL = 48.27117

Number beyond limits = 20

Number violating runs = 31

# 88th column point of this product



Number of groups = 119

Center = 47.96639

StdDev = 0.1397404

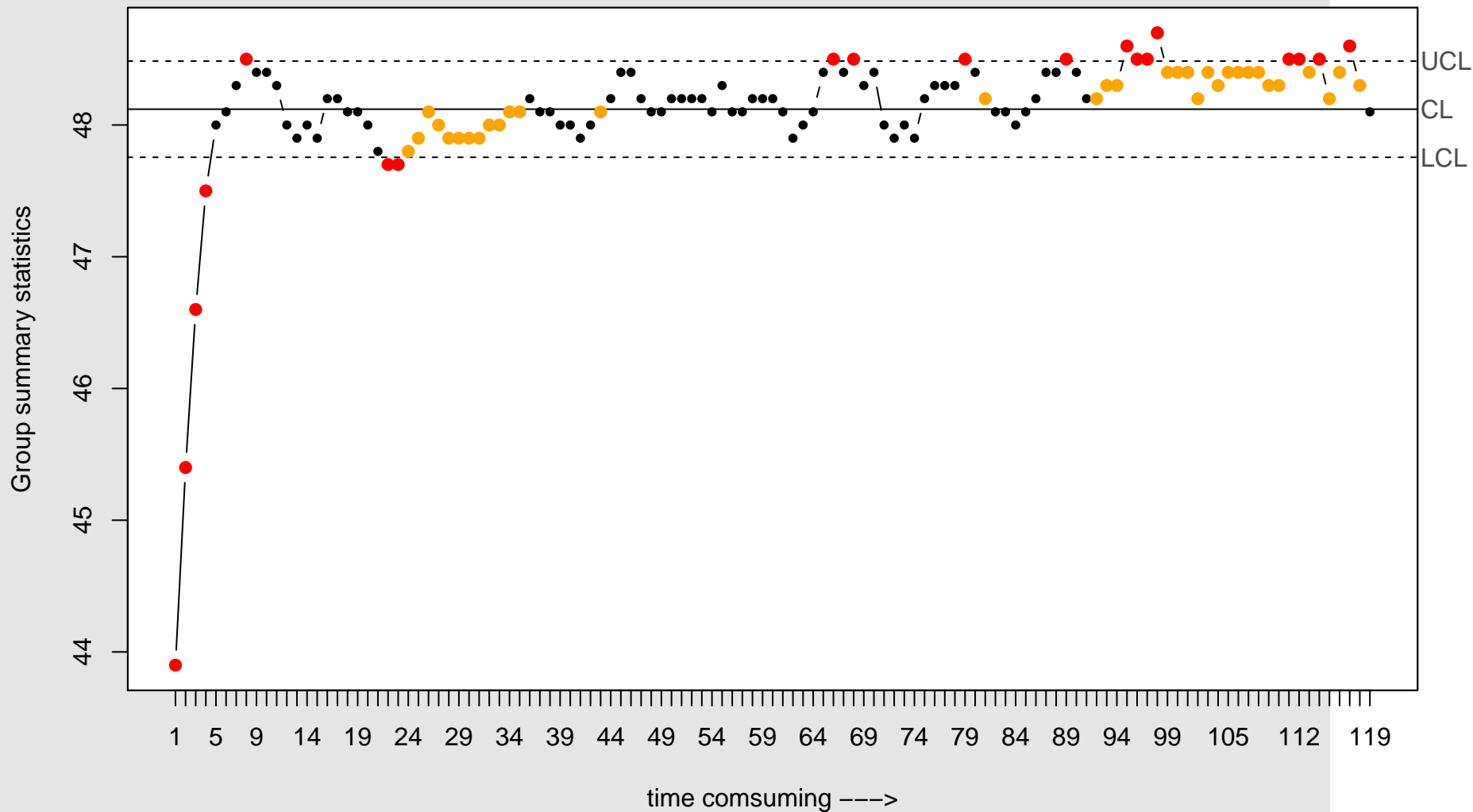
LCL = 47.54717

UCL = 48.38561

Number beyond limits = 17

Number violating runs = 26

# 89th column point of this product



Number of groups = 119

Center = 48.12017

StdDev = 0.1217093

LCL = 47.75504

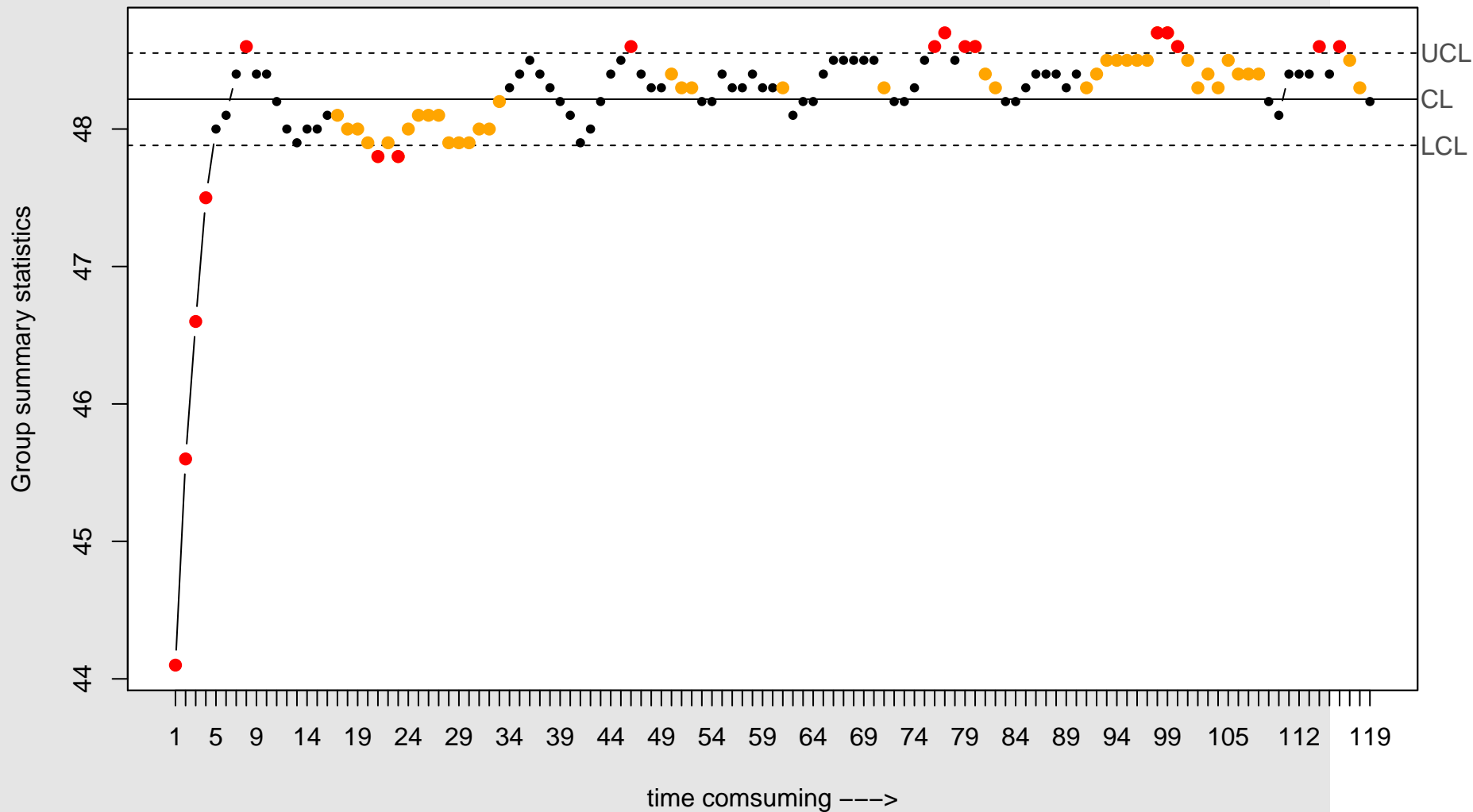
UCL = 48.4853

Number beyond limits = 19

Number violating runs = 41



# 90th column point of this product

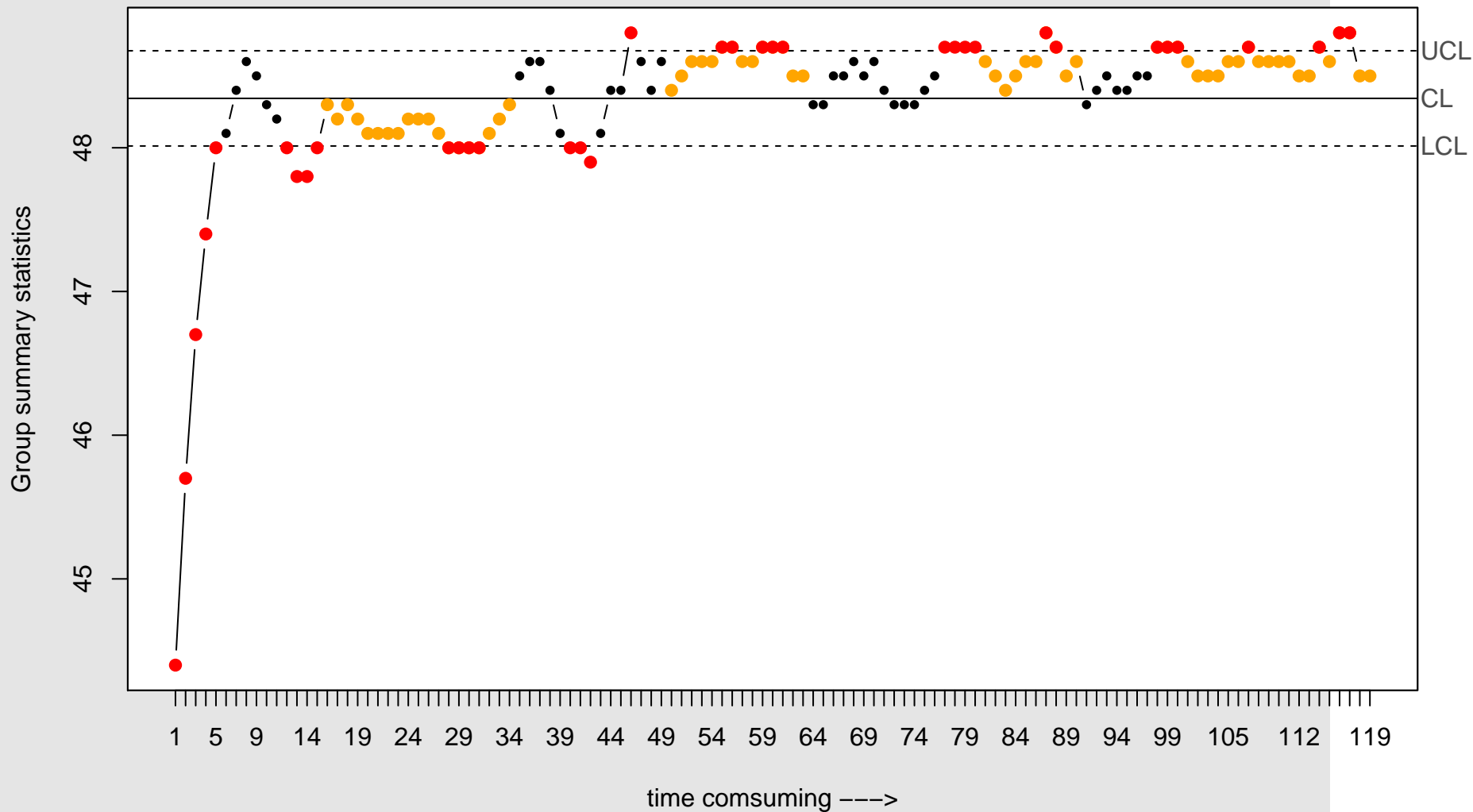


Number of groups = 119  
Center = 48.21681  
StdDev = 0.1119425

LCL = 47.88098  
UCL = 48.55263

Number beyond limits = 17  
Number violating runs = 45

# 91th column point of this product



Number of groups = 119

Center = 48.3437

StdDev = 0.11044

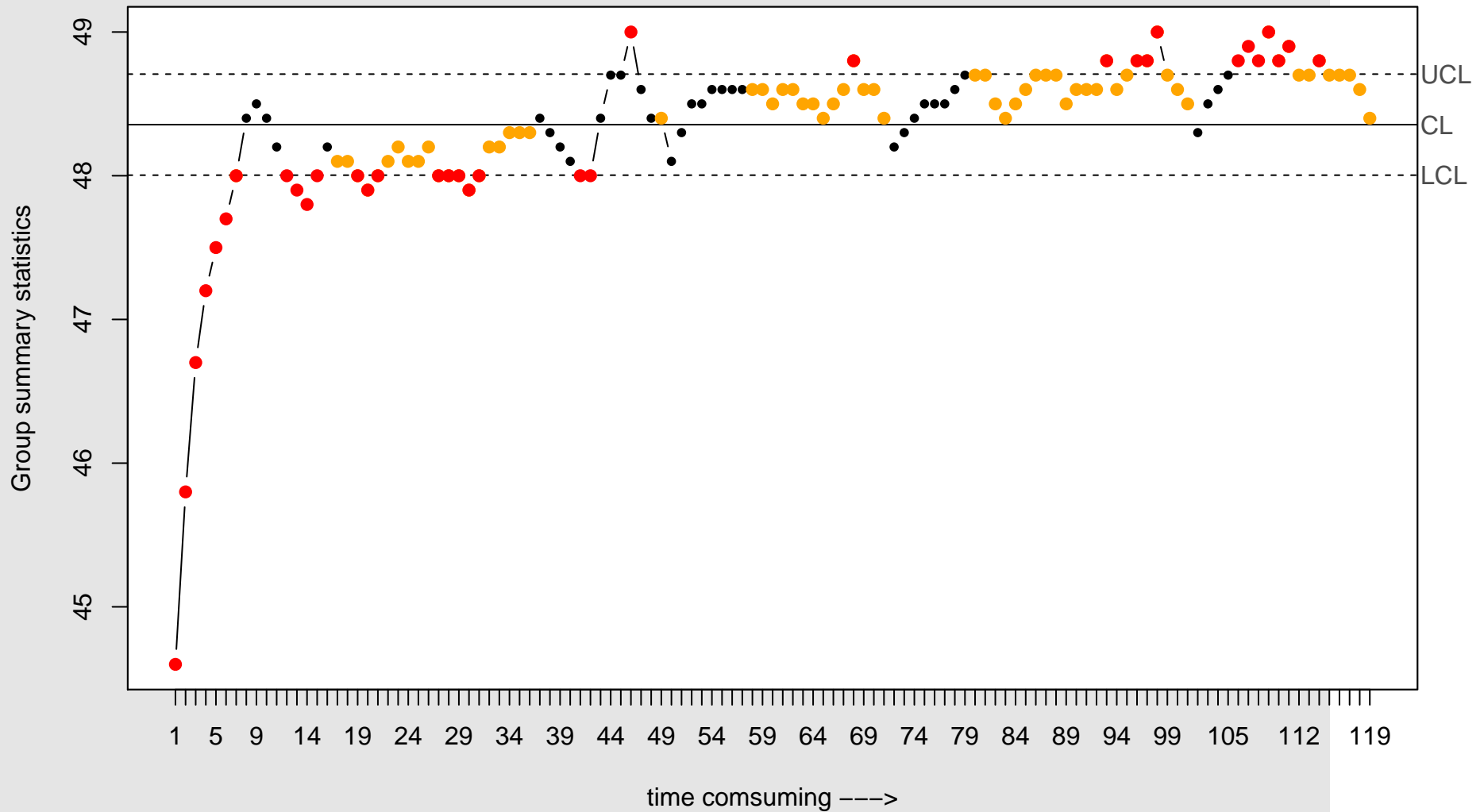
LCL = 48.01238

UCL = 48.67502

Number beyond limits = 35

Number violating runs = 65

# 92th column point of this product



Number of groups = 119

Center = 48.35546

StdDev = 0.1172016

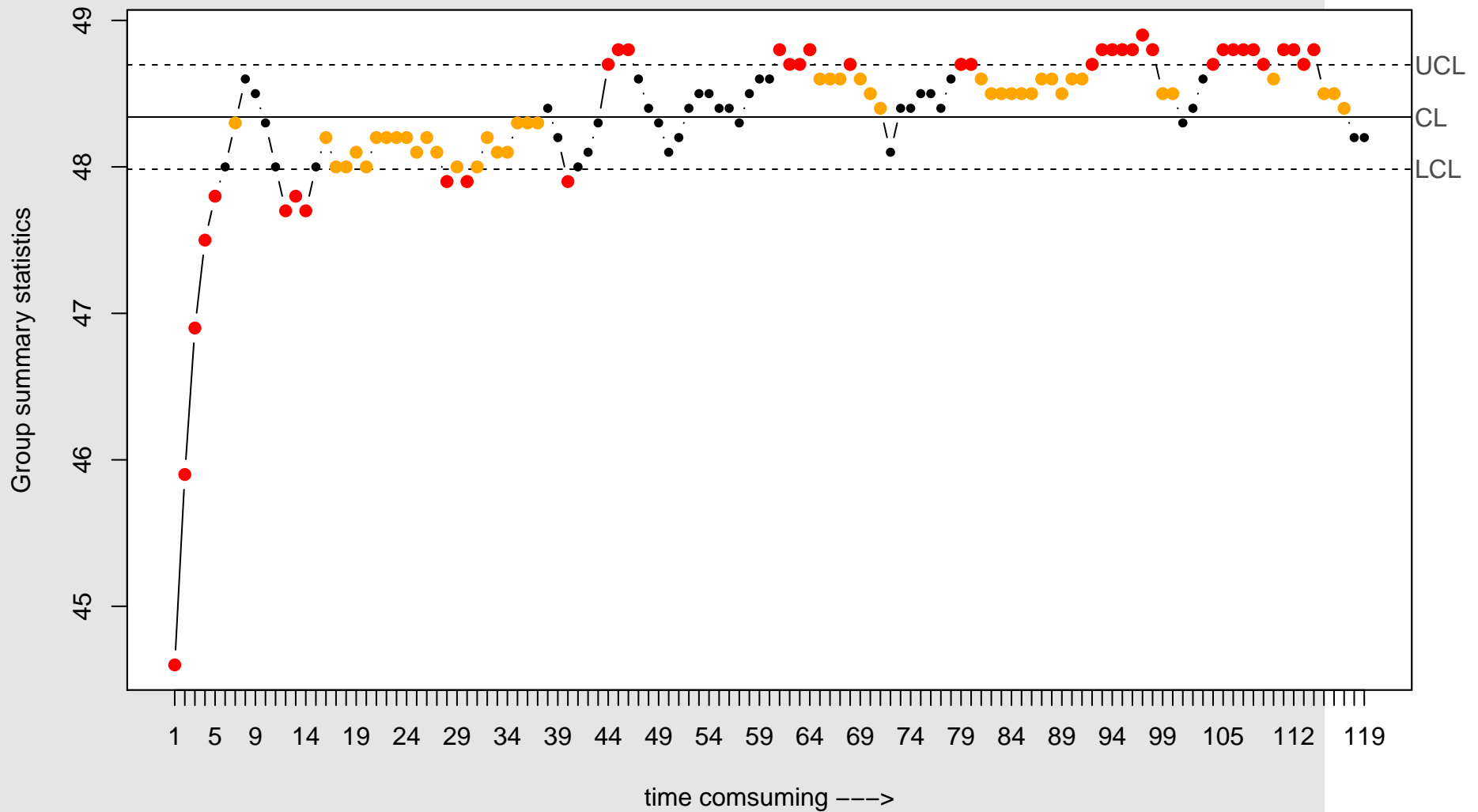
LCL = 48.00386

UCL = 48.70707

Number beyond limits = 34

Number violating runs = 69

### 93th column point of this product



Number of groups = 119

Center = 48.34034

StdDev = 0.1187042

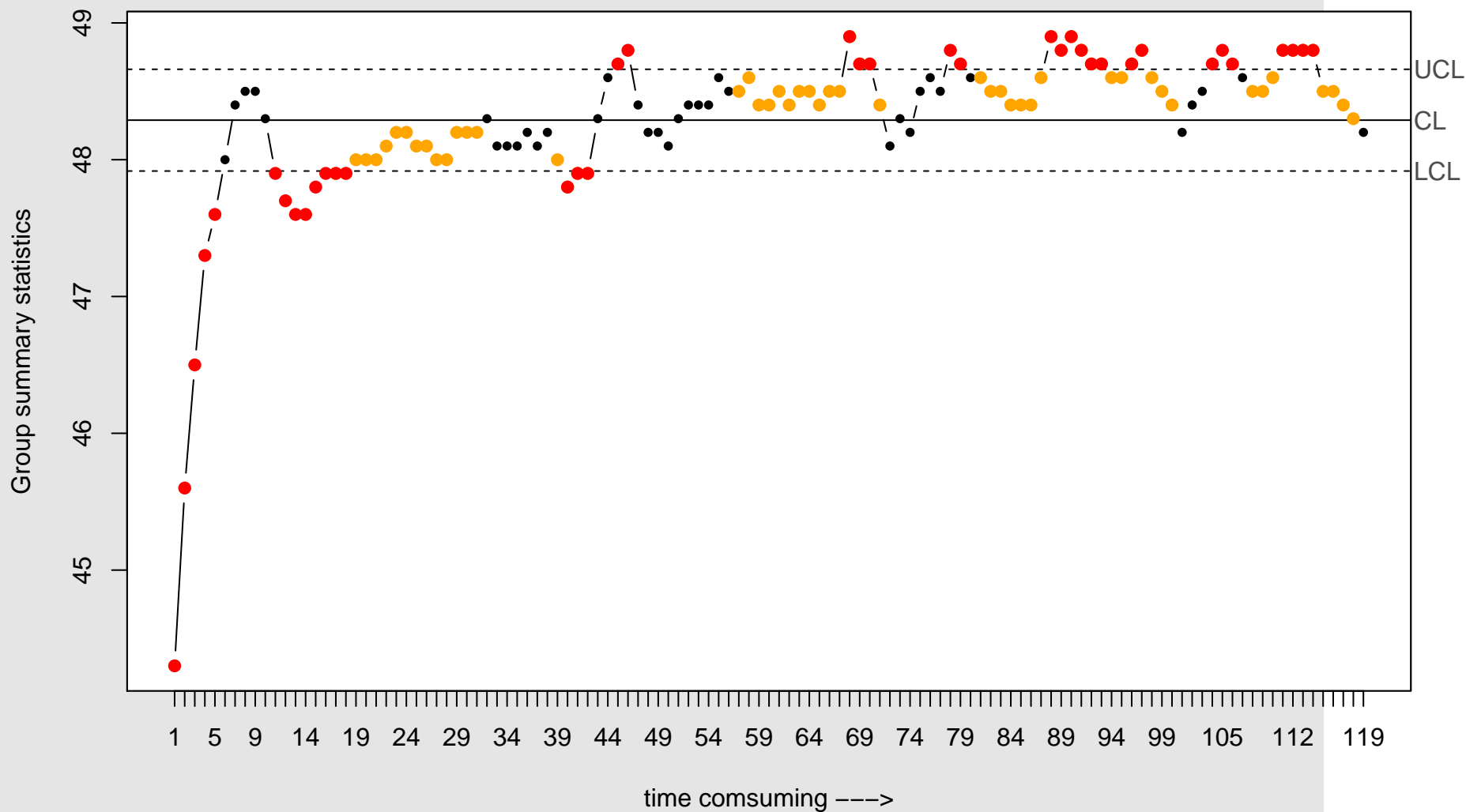
LCL = 47.98422

UCL = 48.69645

Number beyond limits = 38

Number violating runs = 63

# 94th column point of this product



Number of groups = 119

Center = 48.28908

StdDev = 0.1239632

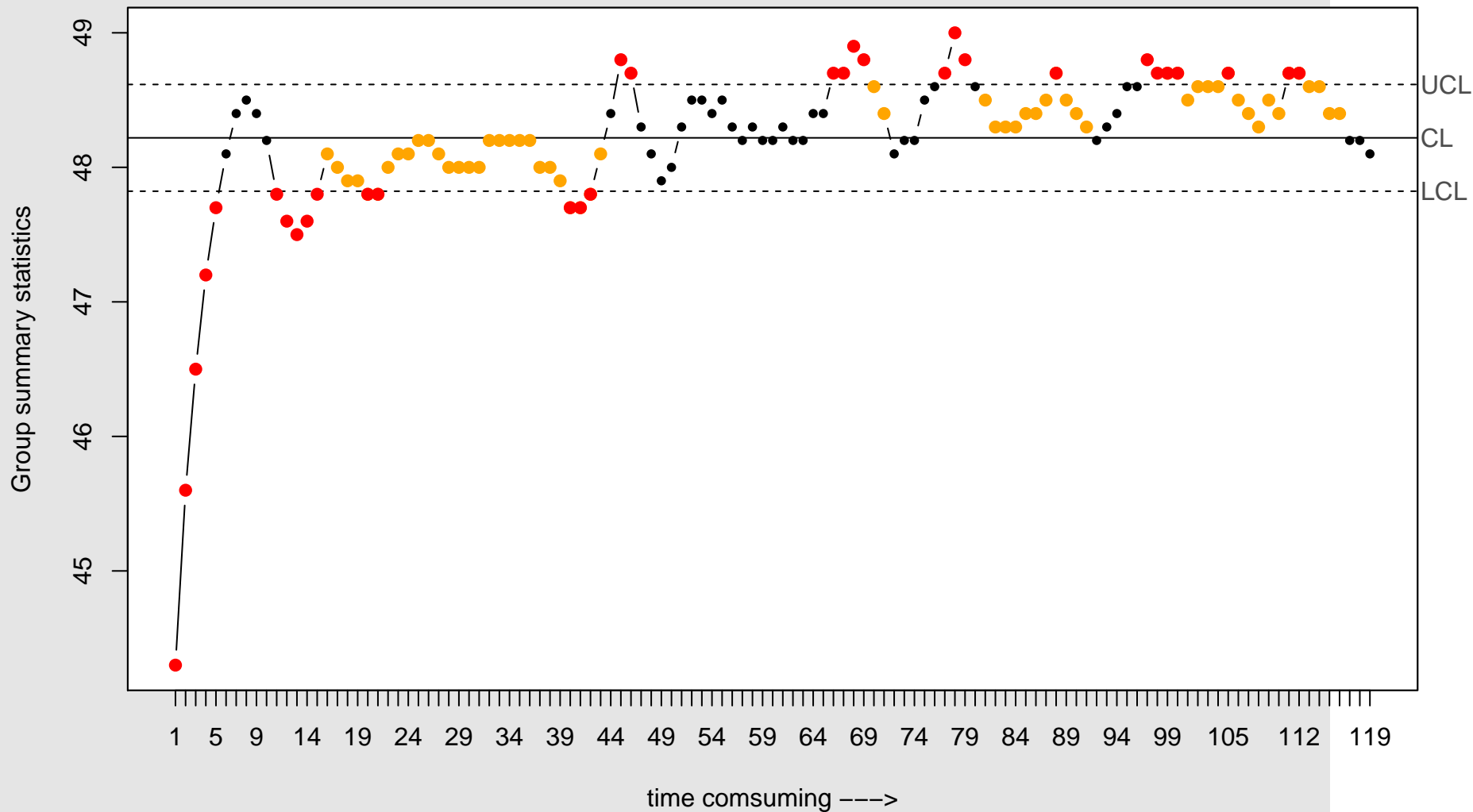
LCL = 47.91719

UCL = 48.66097

Number beyond limits = 38

Number violating runs = 65

# 95th column point of this product



Number of groups = 119

Center = 48.21933

StdDev = 0.1322274

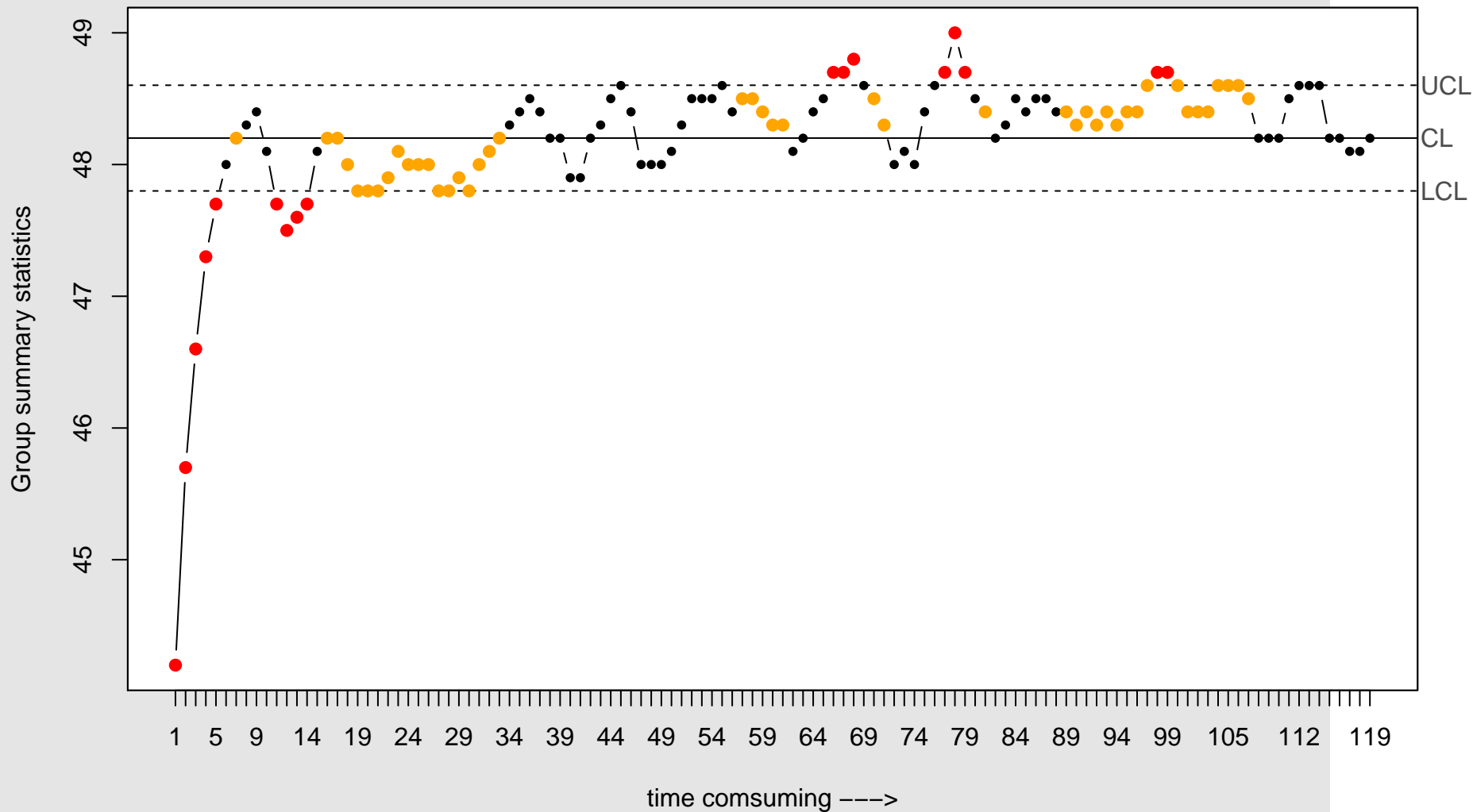
LCL = 47.82265

UCL = 48.61601

Number beyond limits = 32

Number violating runs = 59

# 96th column point of this product

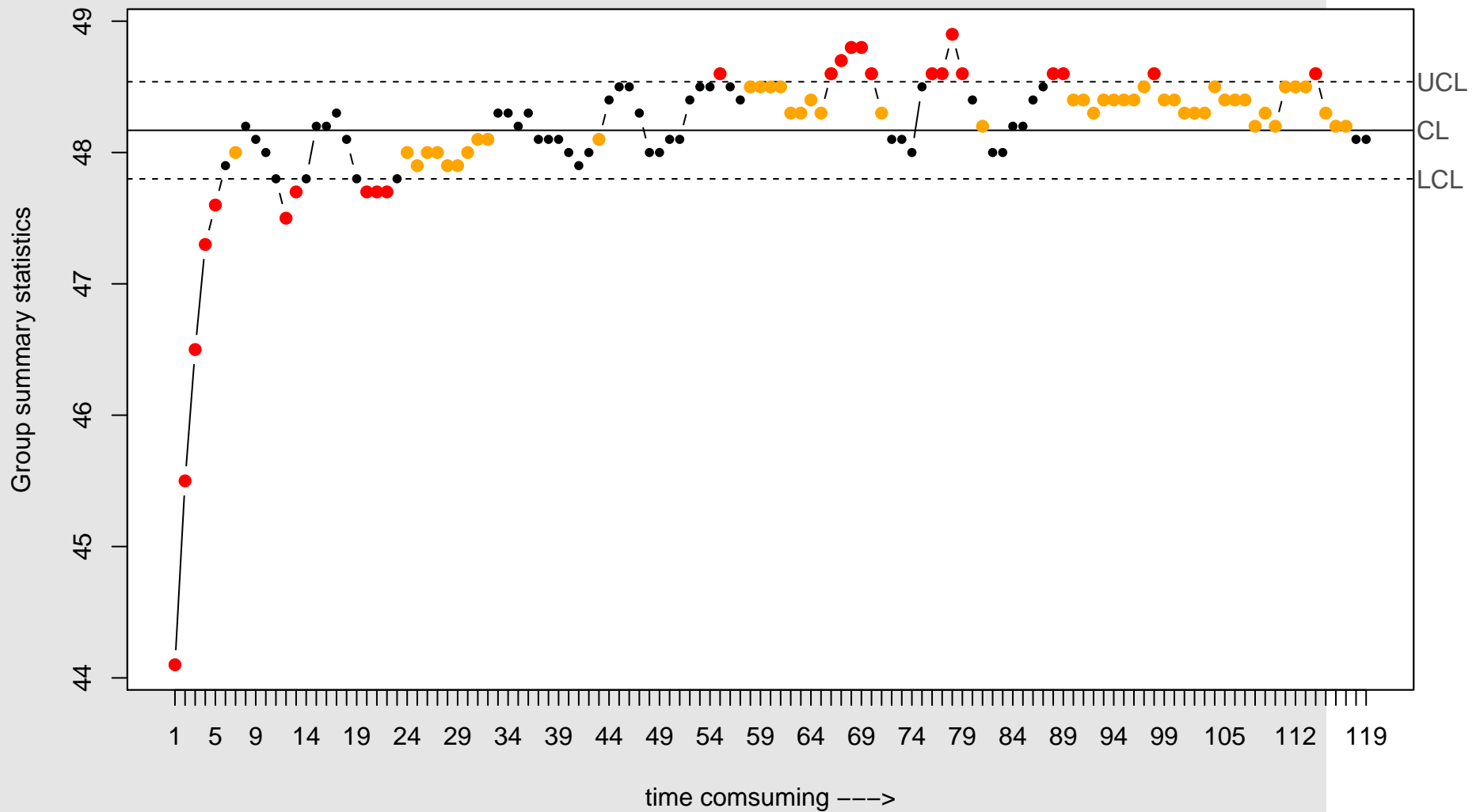


Number of groups = 119  
 Center = 48.20084  
 StdDev = 0.13373

LCL = 47.79965  
 UCL = 48.60203

Number beyond limits = 17  
 Number violating runs = 46

### 97th column point of this product



Number of groups = 119

Center = 48.16891

StdDev = 0.1232119

LCL = 47.79927

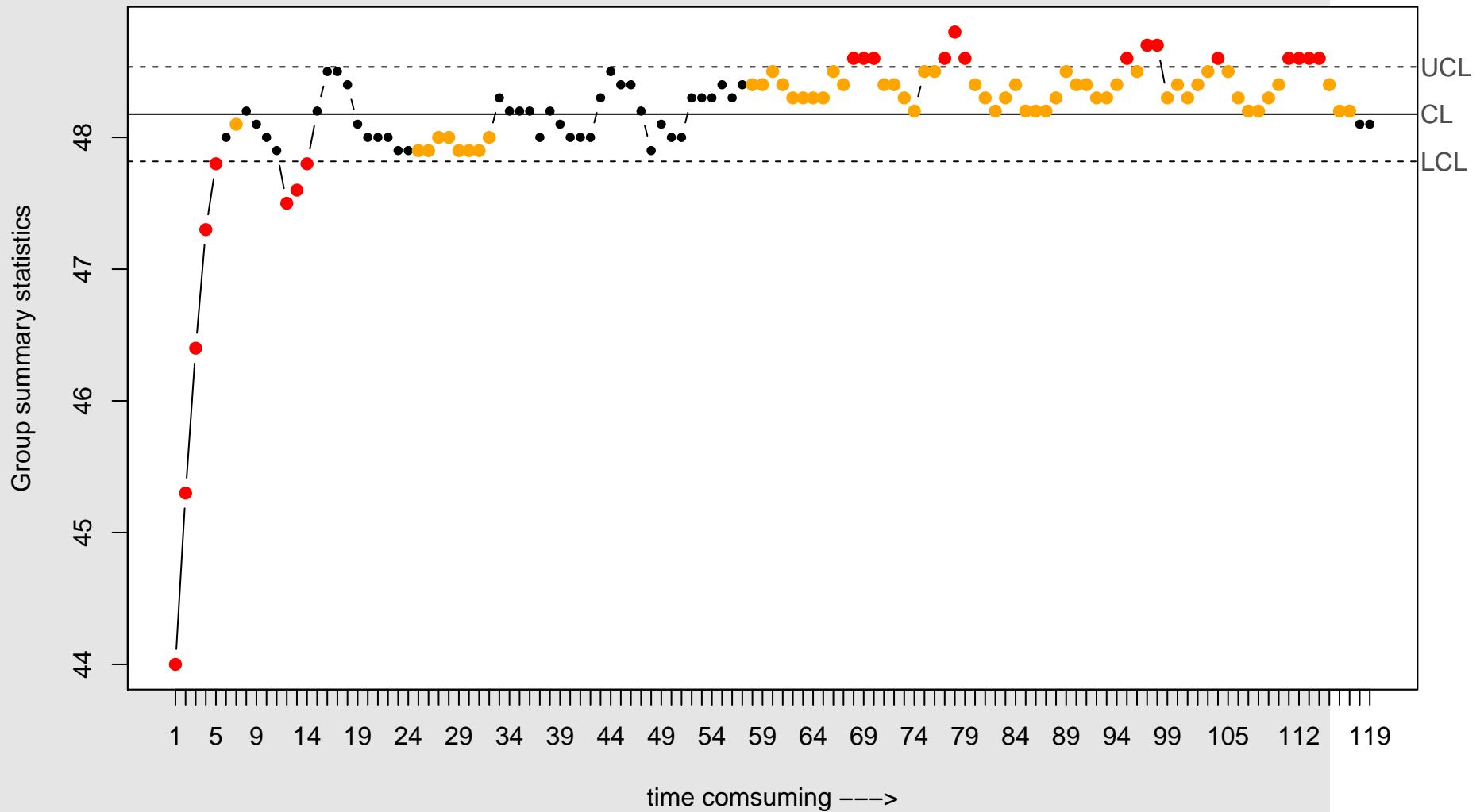
UCL = 48.53854

Number beyond limits = 24

Number violating runs = 54



# 98th column point of this product



Number of groups = 119

Center = 48.17647

StdDev = 0.1194555

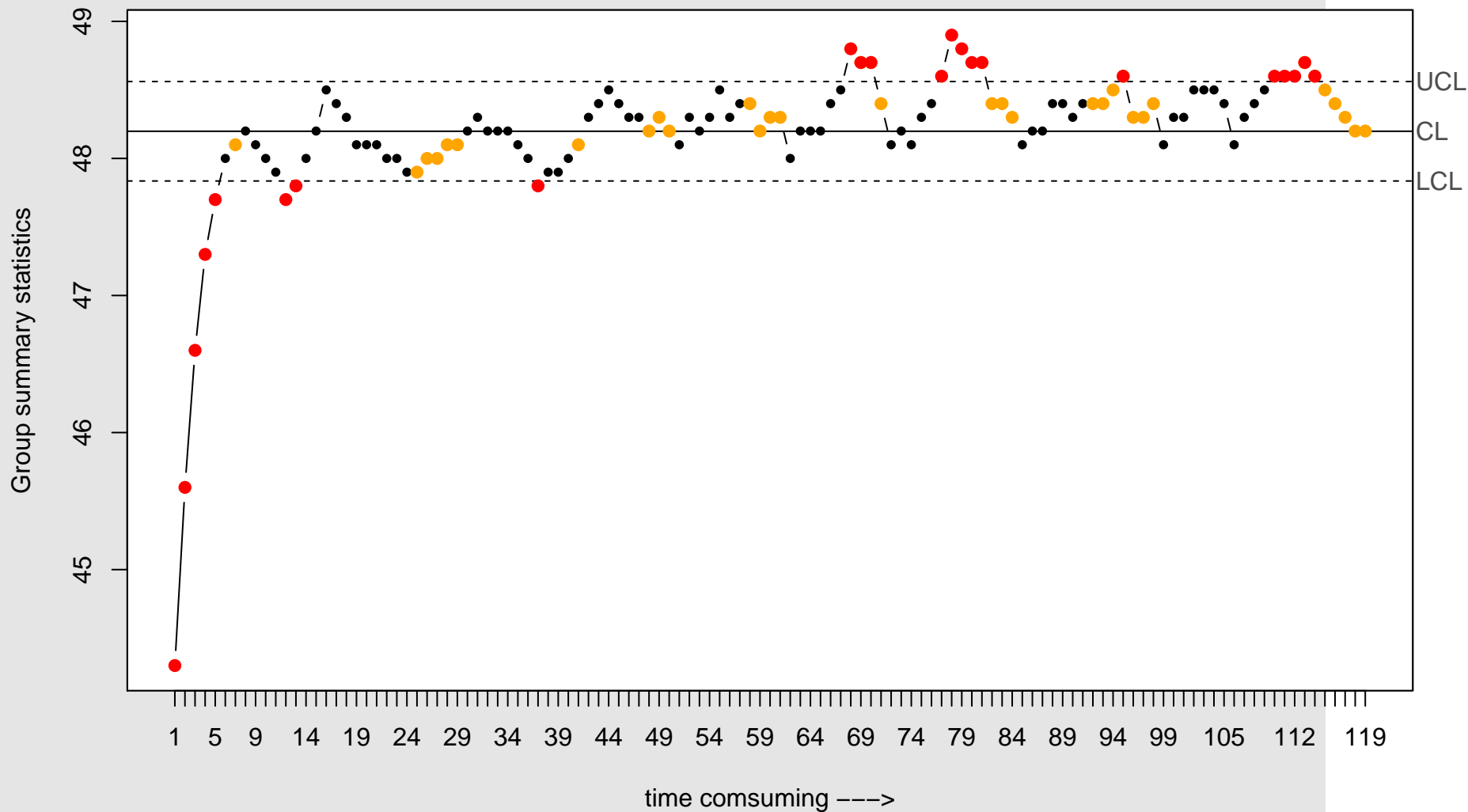
LCL = 47.8181

UCL = 48.53484

Number beyond limits = 22

Number violating runs = 69

# 99th column point of this product

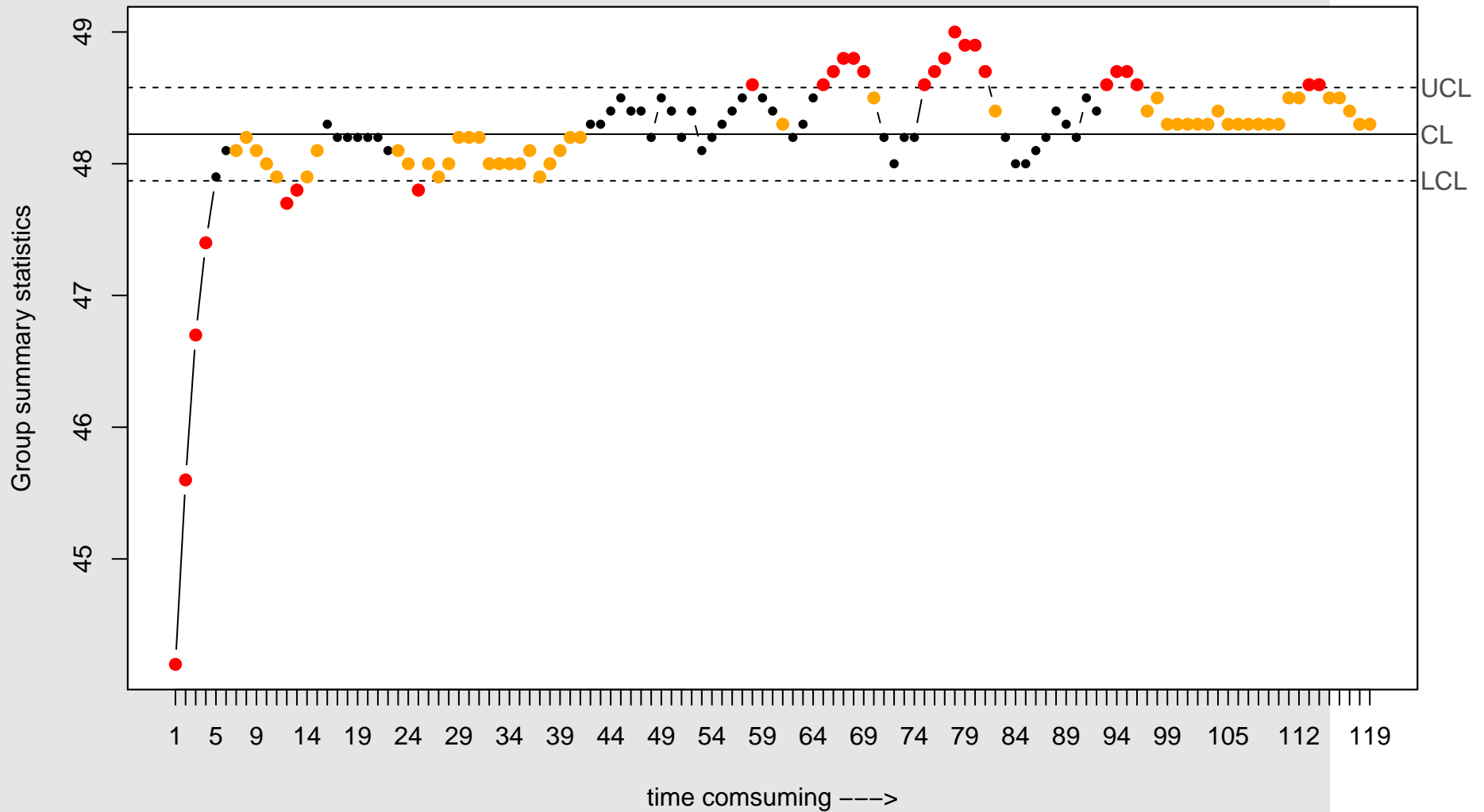


Number of groups = 119  
Center = 48.19832  
StdDev = 0.120958

LCL = 47.83545  
UCL = 48.56119

Number beyond limits = 22  
Number violating runs = 35

# 100th column point of this product

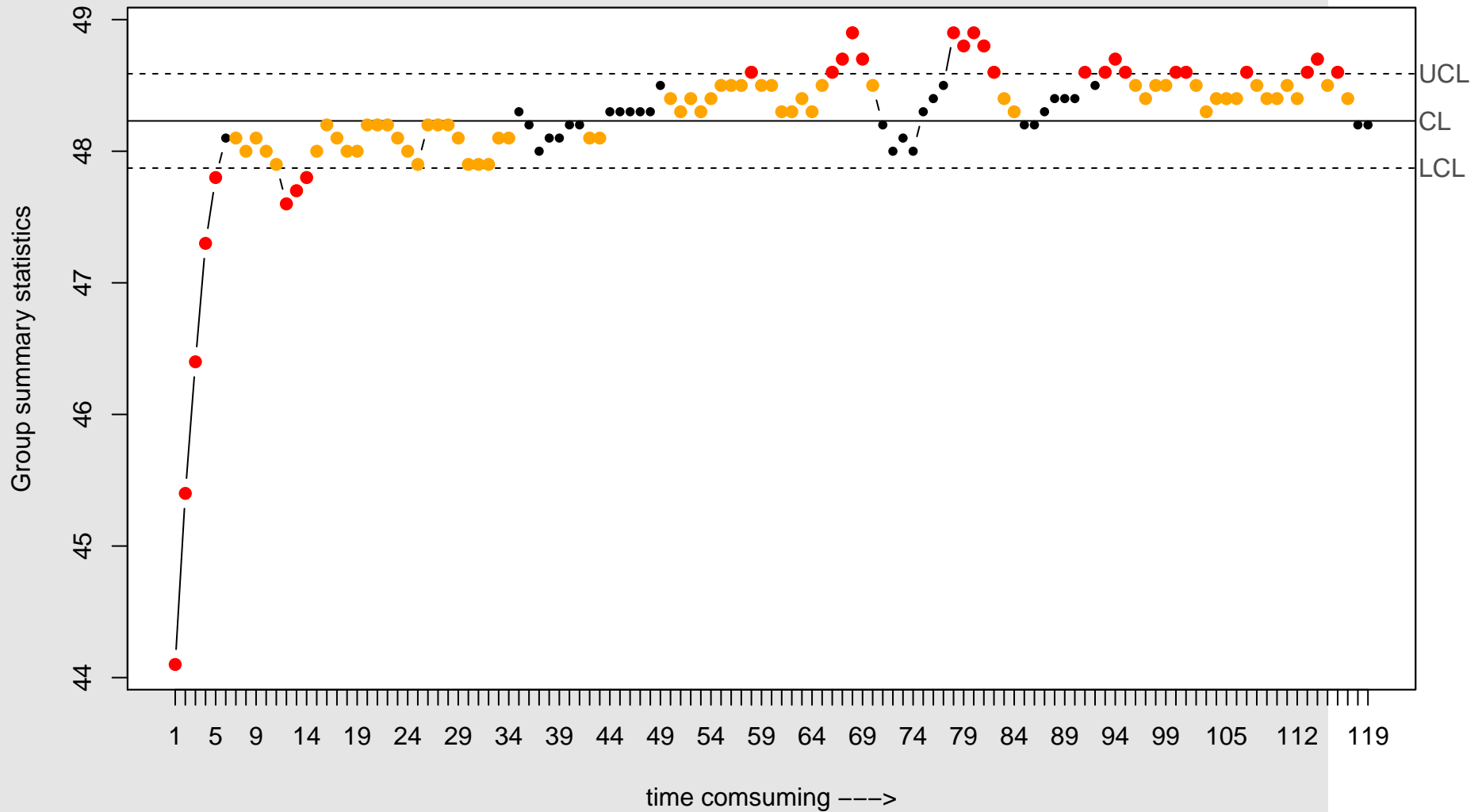


Number of groups = 119  
Center = 48.22437  
StdDev = 0.1179529

LCL = 47.87051  
UCL = 48.57823

Number beyond limits = 26  
Number violating runs = 56

# 101th column point of this product



Number of groups = 119

Center = 48.23025

StdDev = 0.1194555

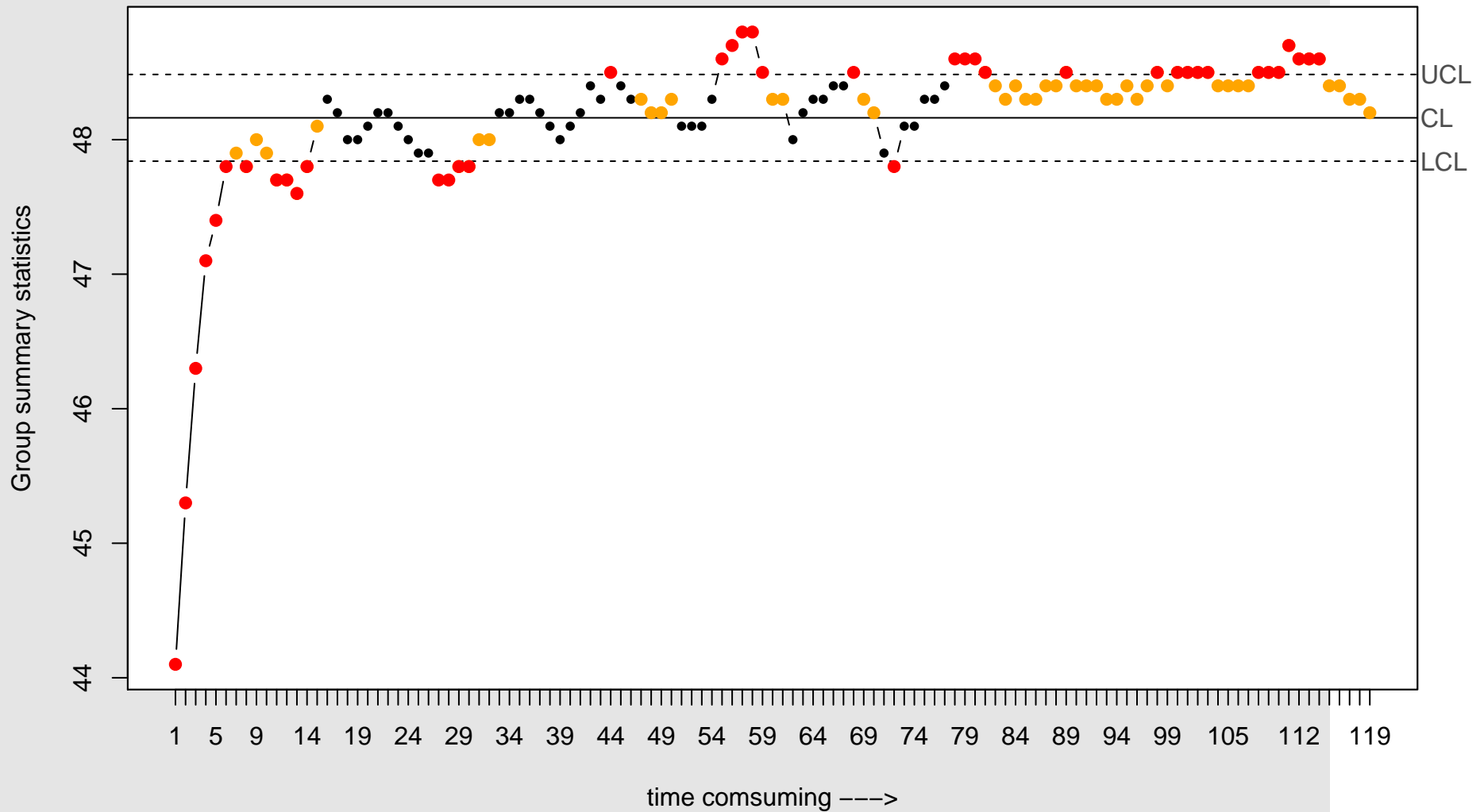
LCL = 47.87189

UCL = 48.58862

Number beyond limits = 28

Number violating runs = 80

# 102th column point of this product



Number of groups = 119

Center = 48.16218

StdDev = 0.1074348

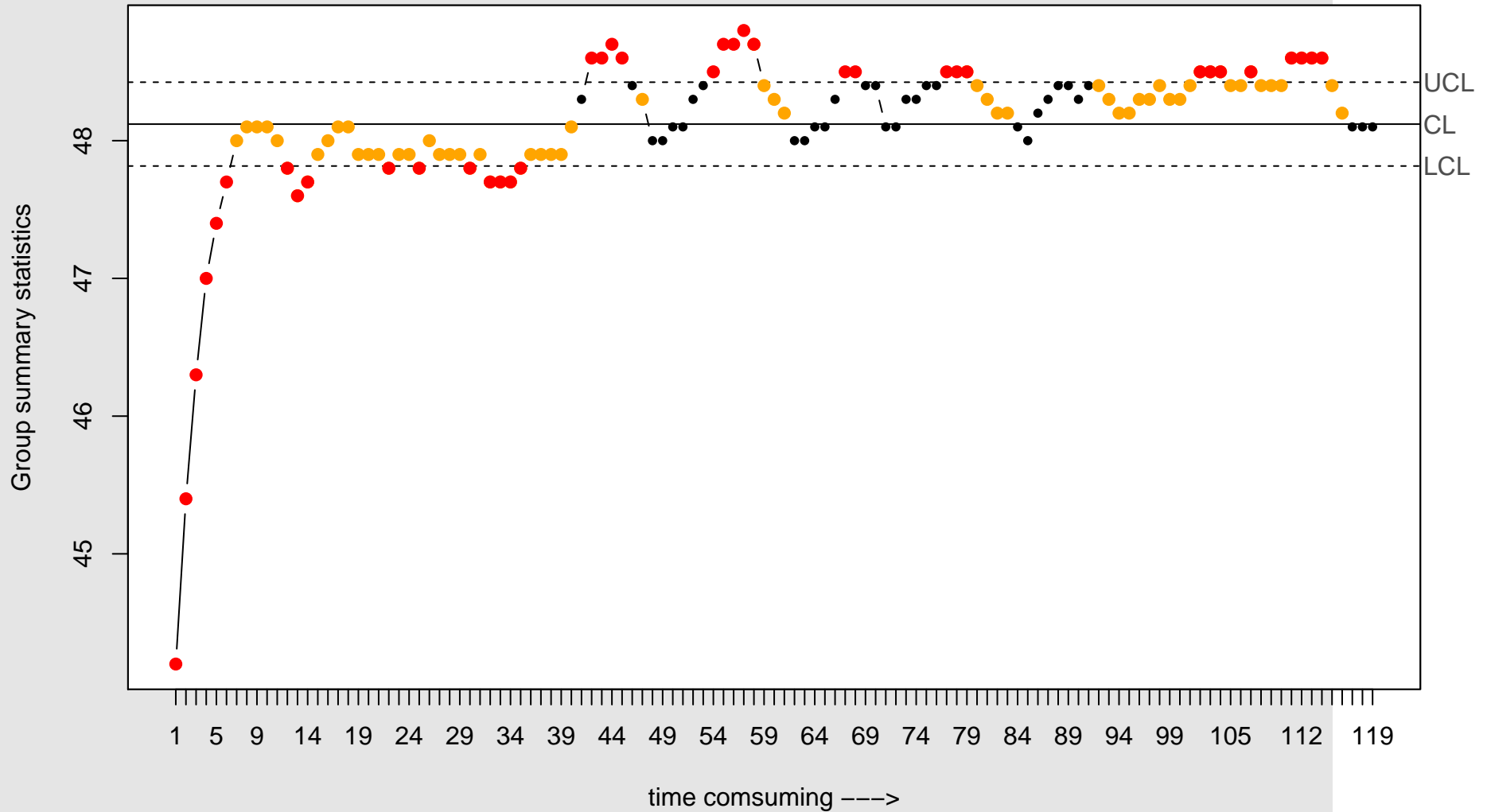
LCL = 47.83988

UCL = 48.48449

Number beyond limits = 40

Number violating runs = 60

# 103th column point of this product



Number of groups = 119

Center = 48.12017

StdDev = 0.1014245

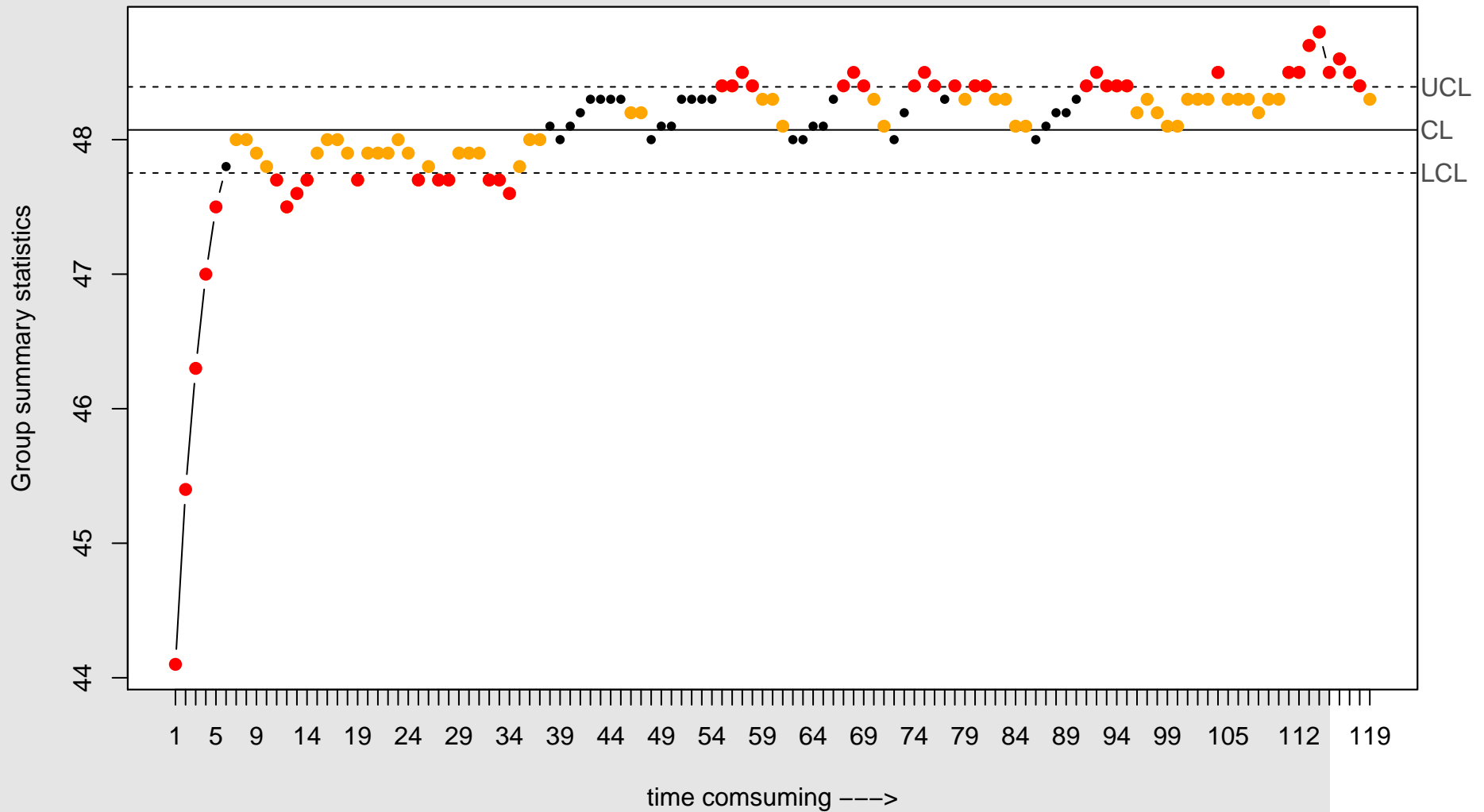
LCL = 47.81589

UCL = 48.42444

Number beyond limits = 38

Number violating runs = 69

# 104th column point of this product



Number of groups = 119

Center = 48.07227

StdDev = 0.1066835

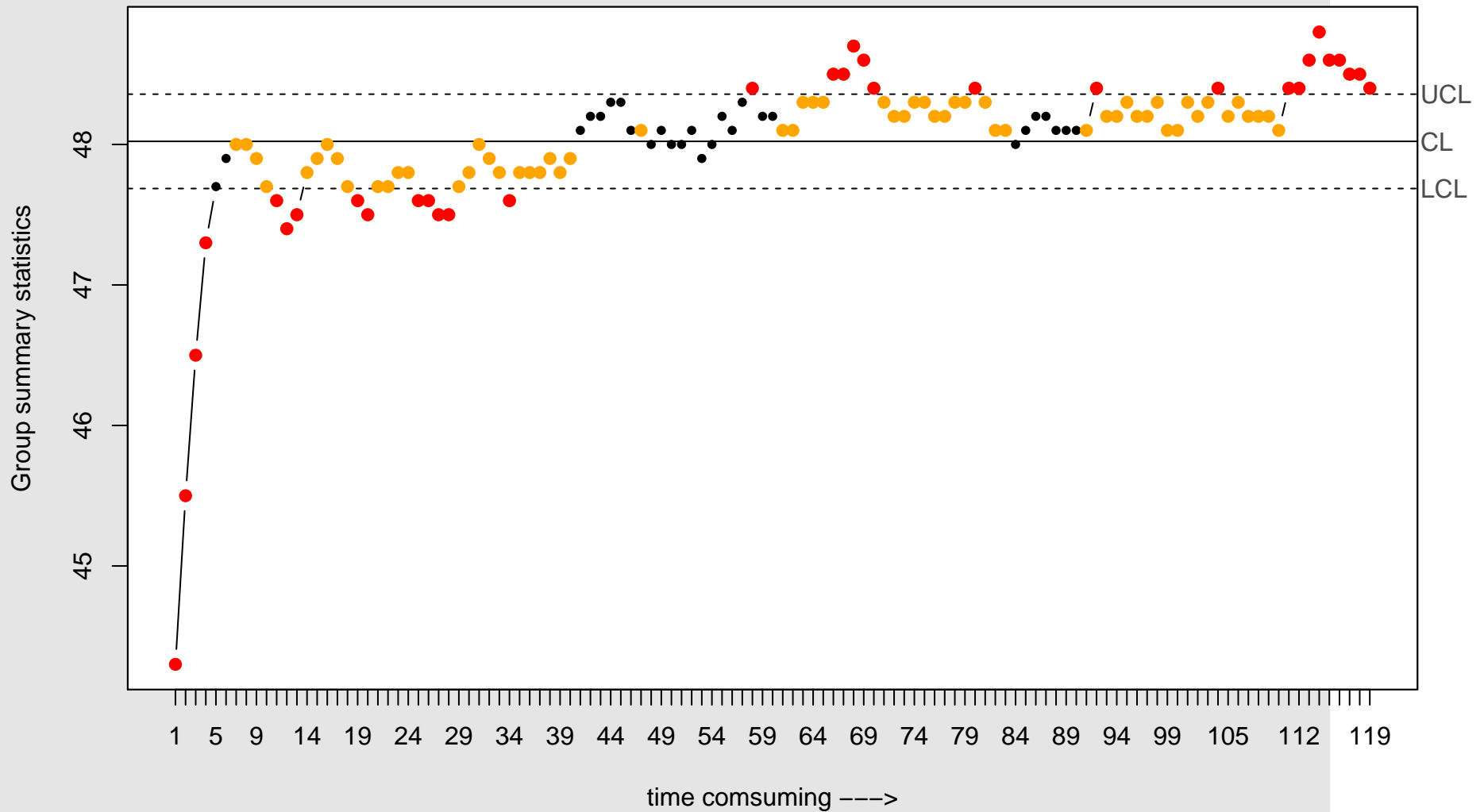
LCL = 47.75222

UCL = 48.39232

Number beyond limits = 43

Number violating runs = 76

# 105th column point of this product



Number of groups = 119

Center = 48.02185

StdDev = 0.1119425

LCL = 47.68602

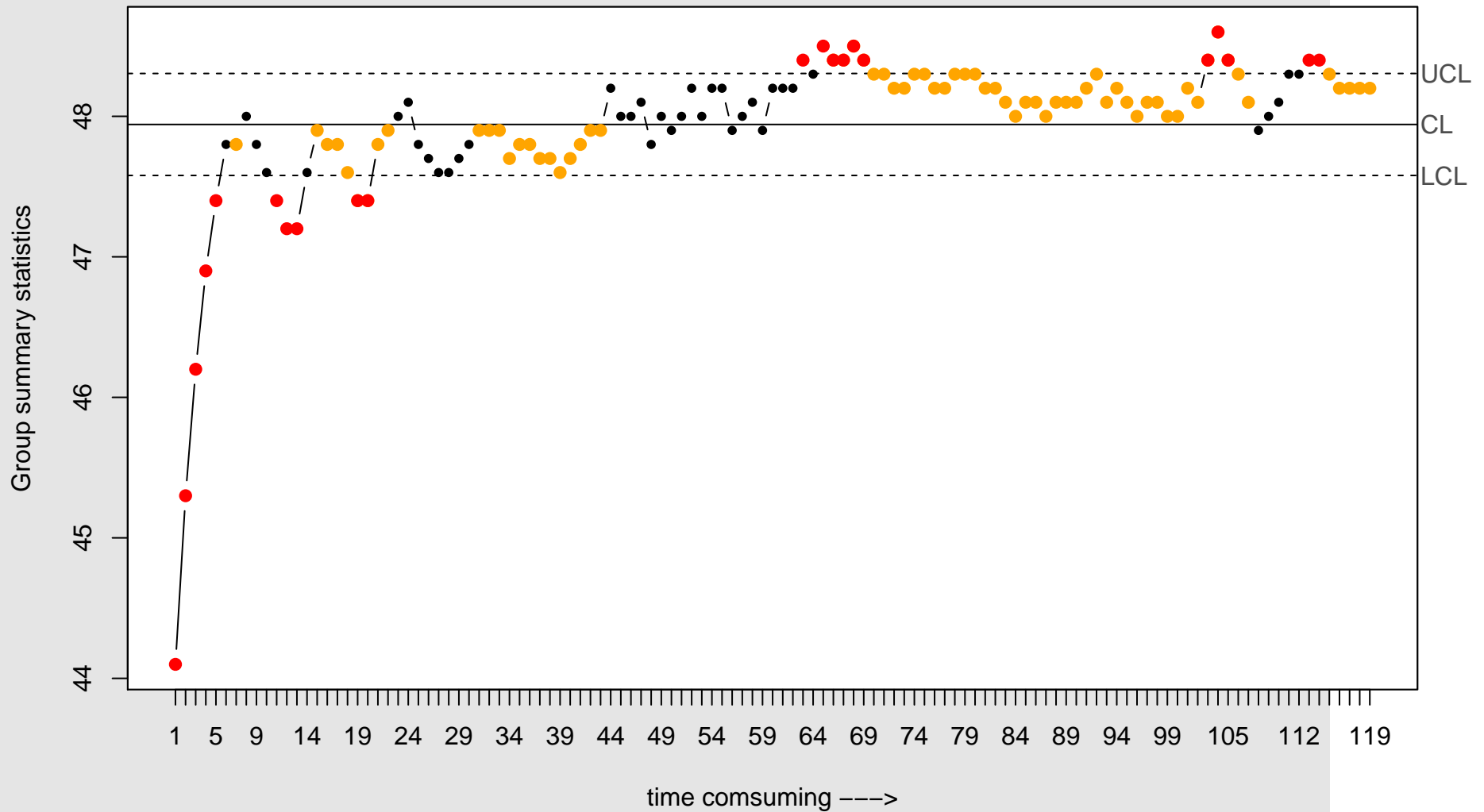
UCL = 48.35768

Number beyond limits = 32

Number violating runs = 87



# 106th column point of this product



Number of groups = 119

Center = 47.94202

StdDev = 0.120958

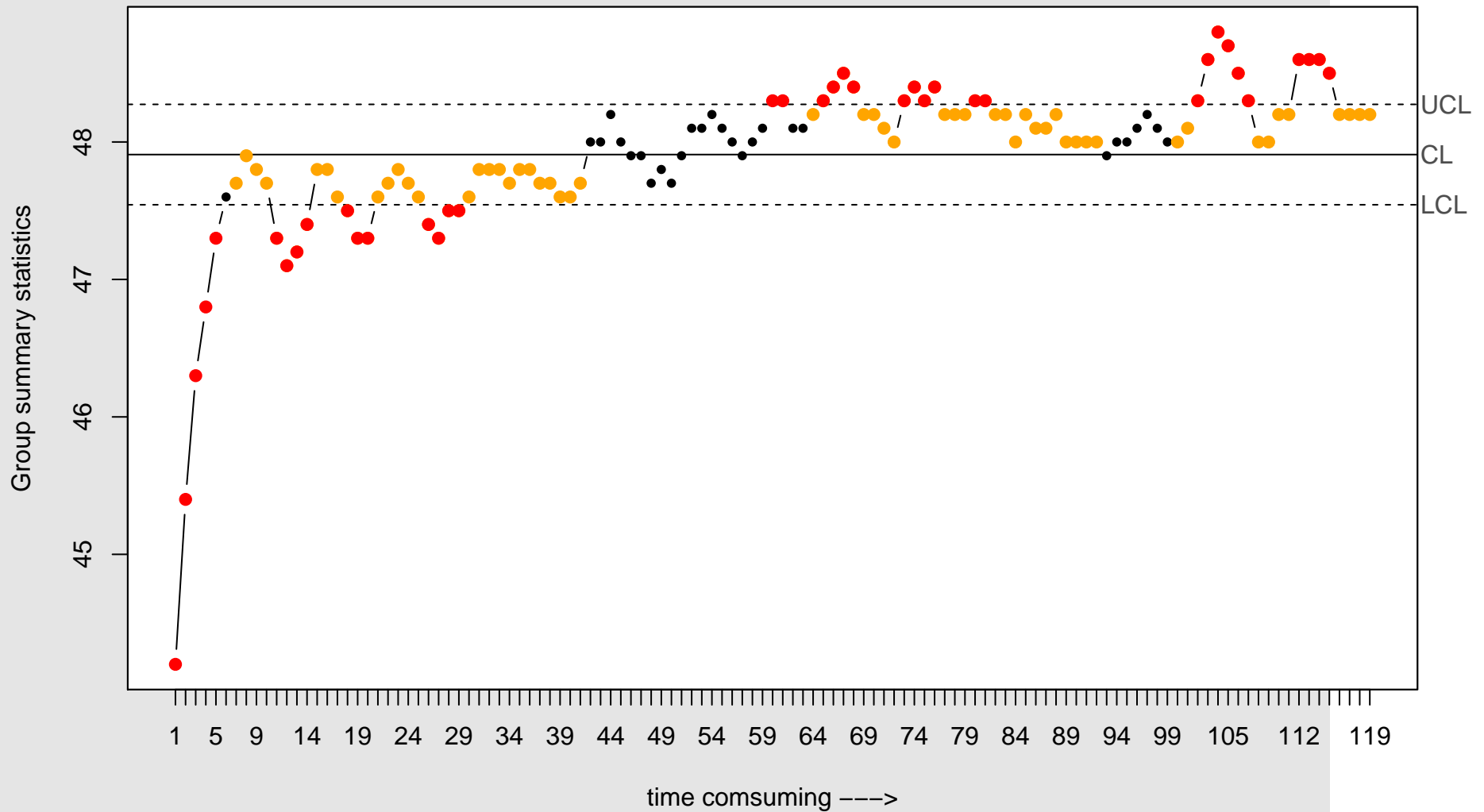
LCL = 47.57914

UCL = 48.30489

Number beyond limits = 21

Number violating runs = 69

# 107th column point of this product

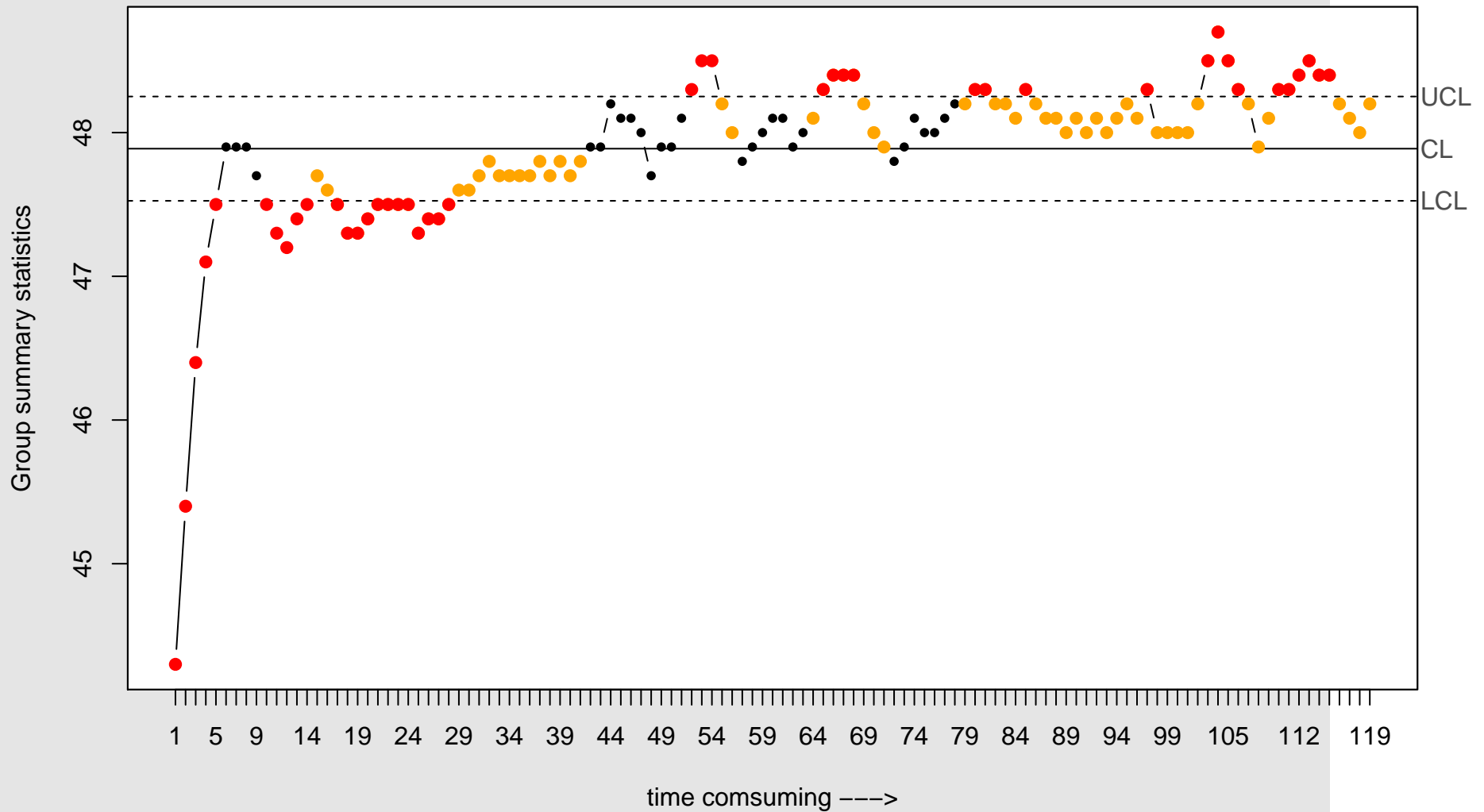


Number of groups = 119  
Center = 47.9084  
StdDev = 0.1217093

LCL = 47.54328  
UCL = 48.27353

Number beyond limits = 38  
Number violating runs = 84

# 108th column point of this product



Number of groups = 119

Center = 47.88824

StdDev = 0.120958

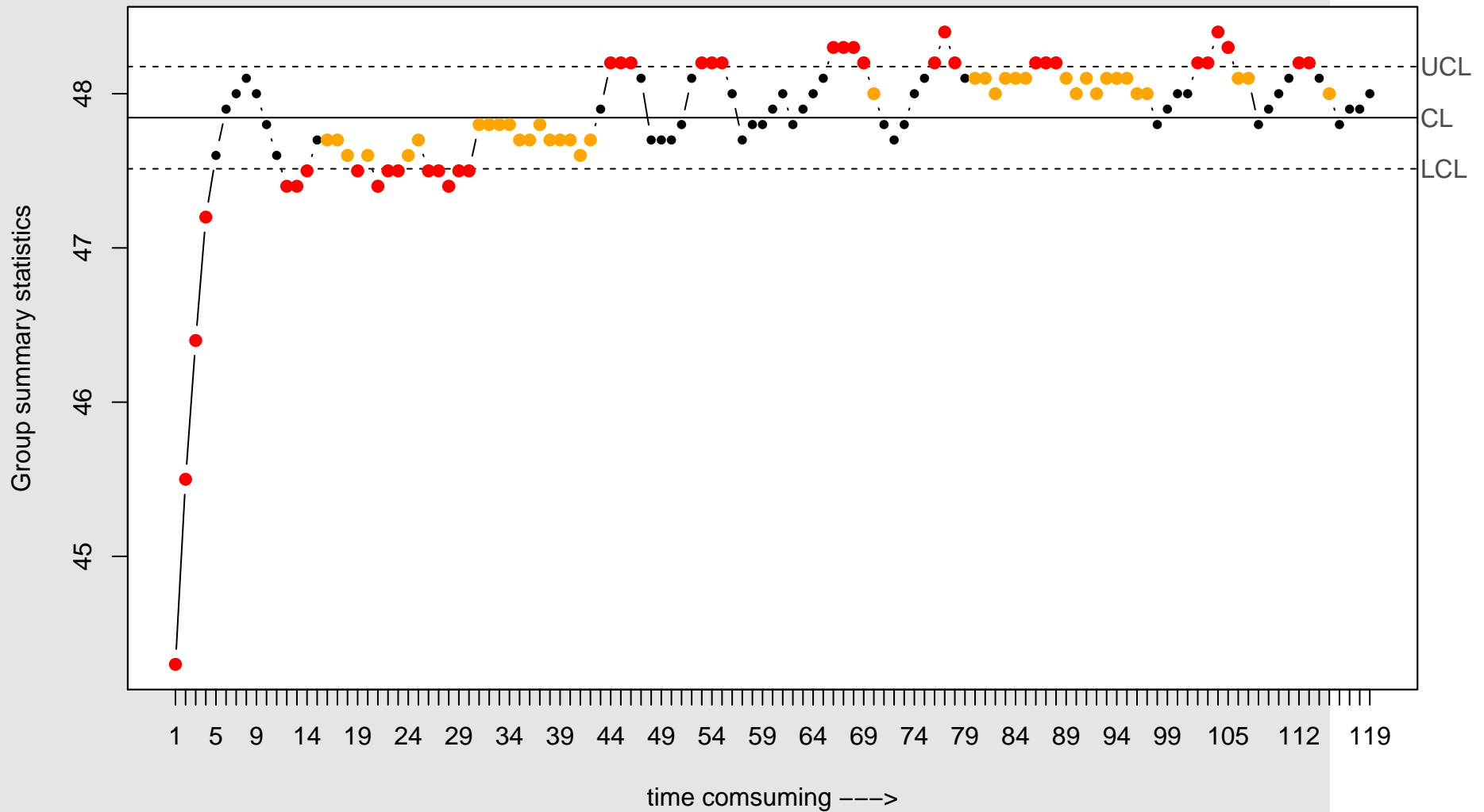
LCL = 47.52536

UCL = 48.25111

Number beyond limits = 43

Number violating runs = 78

# 109th column point of this product



Number of groups = 119

Center = 47.84454

StdDev = 0.11044

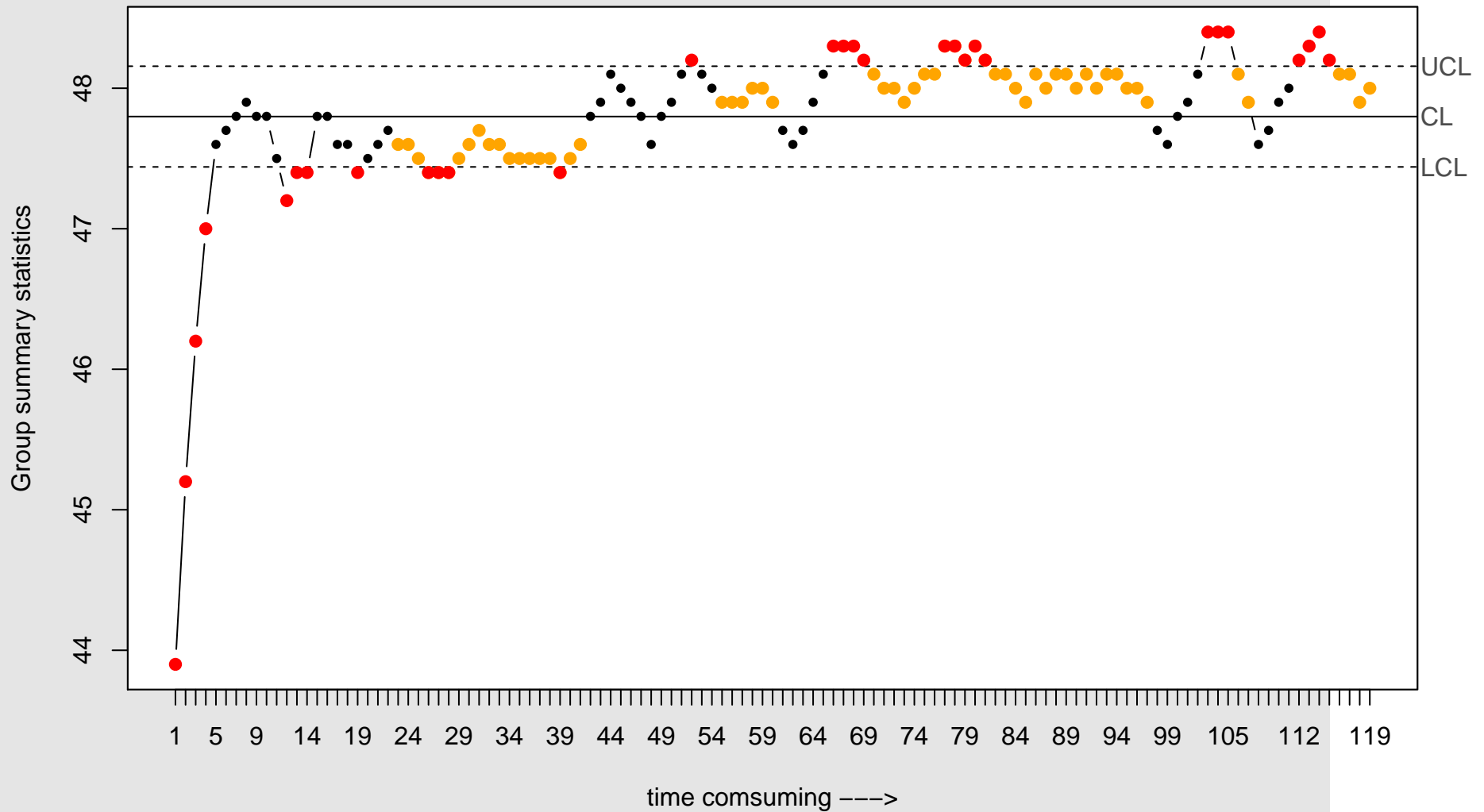
LCL = 47.51322

UCL = 48.17586

Number beyond limits = 38

Number violating runs = 51

# 110th column point of this product



Number of groups = 119

Center = 47.79832

StdDev = 0.1194555

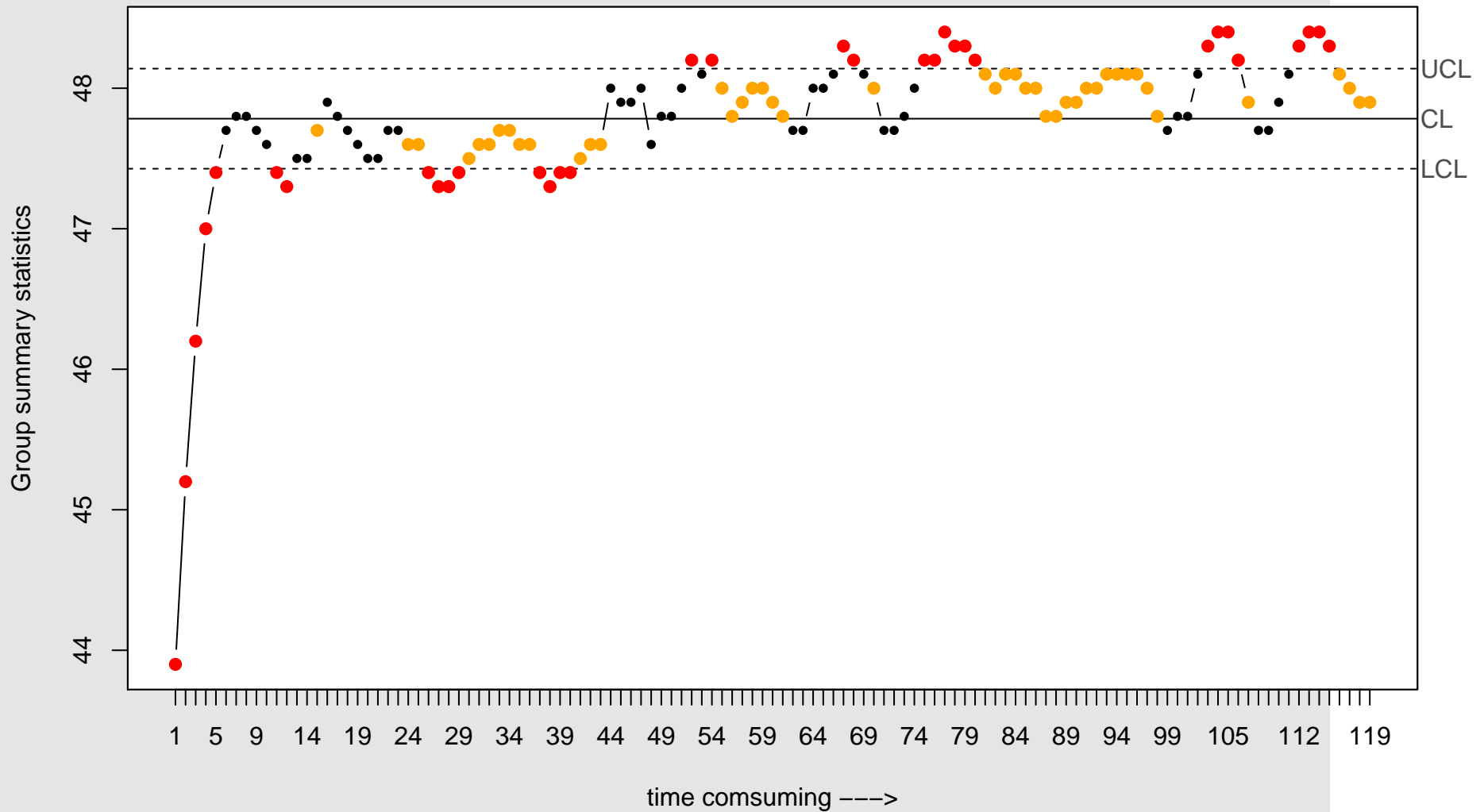
LCL = 47.43995

UCL = 48.15669

Number beyond limits = 29

Number violating runs = 59

# 111th column point of this product



Number of groups = 119

Center = 47.78319

StdDev = 0.1187042

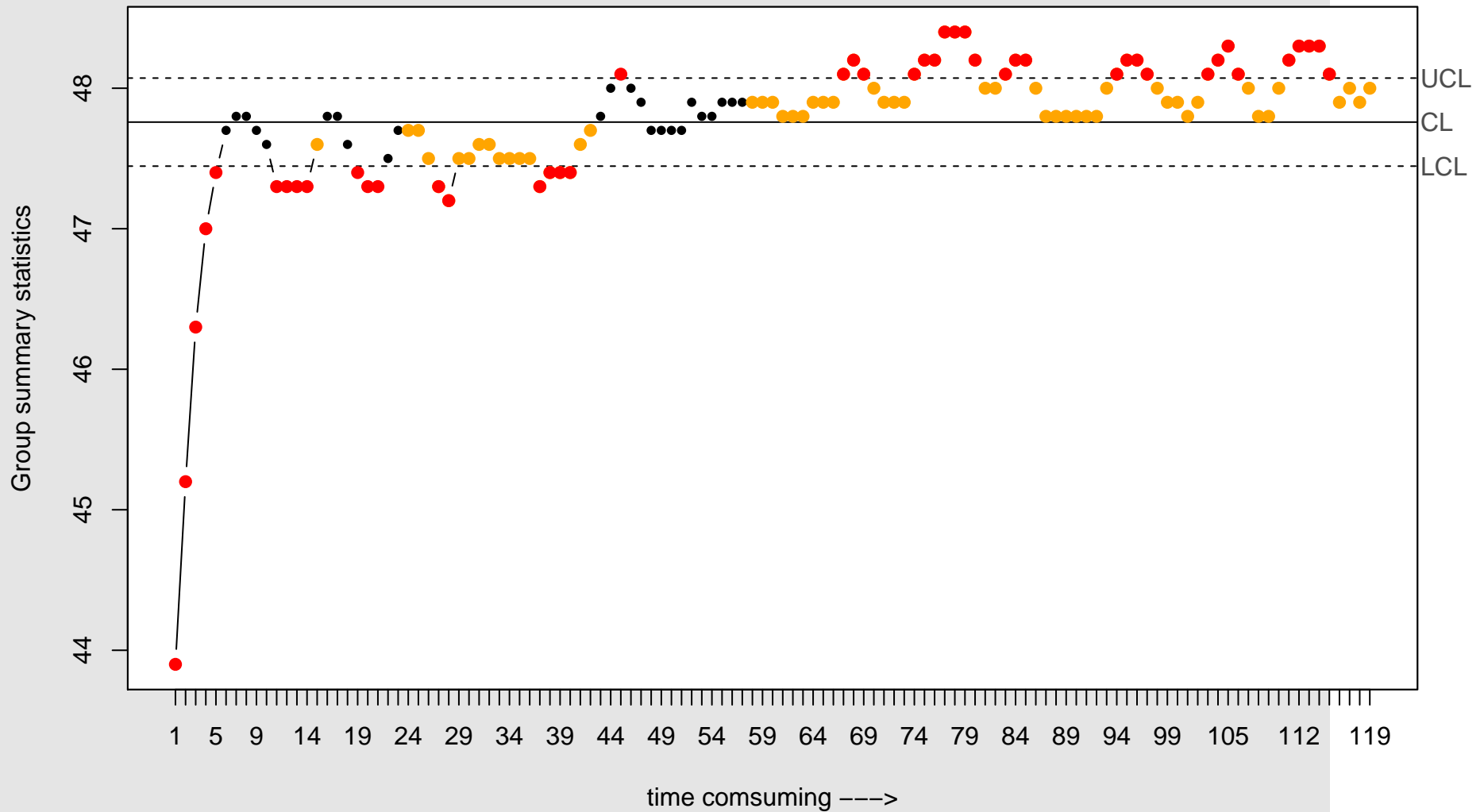
LCL = 47.42708

UCL = 48.13931

Number beyond limits = 33

Number violating runs = 55

# 112th column point of this product



Number of groups = 119

Center = 47.75882

StdDev = 0.1044296

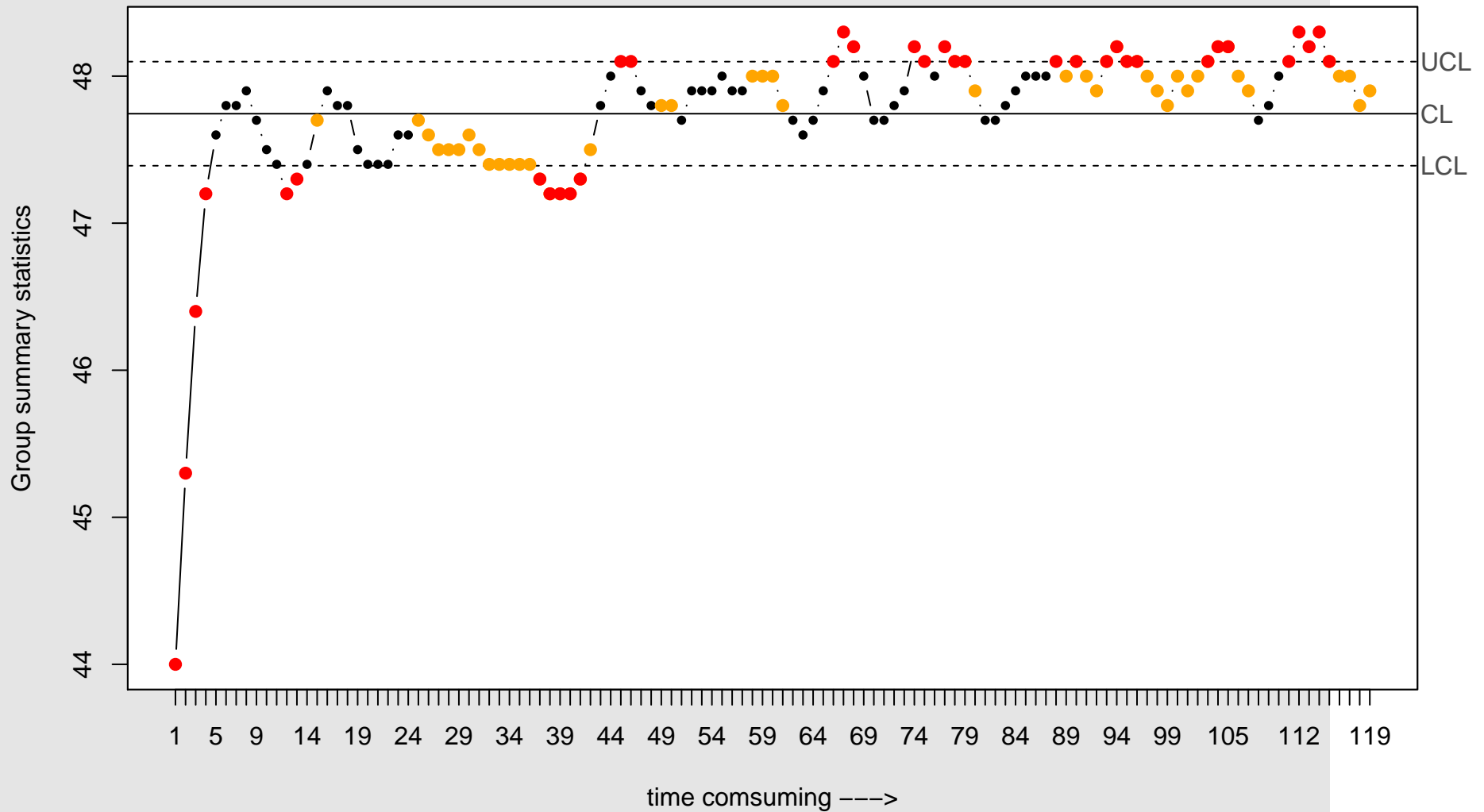
LCL = 47.44553

UCL = 48.07211

Number beyond limits = 45

Number violating runs = 82

# 113th column point of this product



Number of groups = 119

Center = 47.74454

StdDev = 0.1179529

LCL = 47.39068

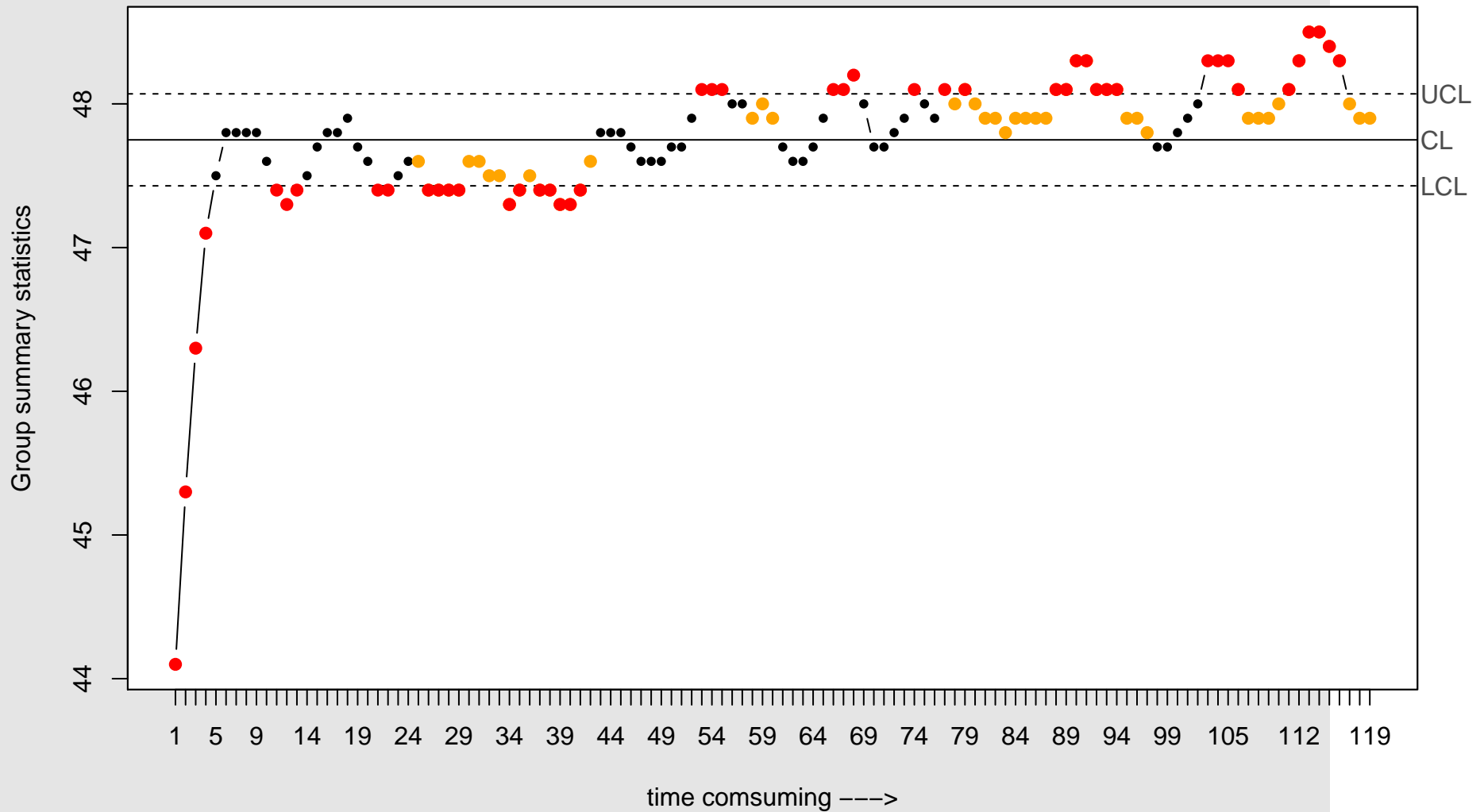
UCL = 48.0984

Number beyond limits = 35

Number violating runs = 52



# 114th column point of this product



Number of groups = 119

Center = 47.74958

StdDev = 0.1066835

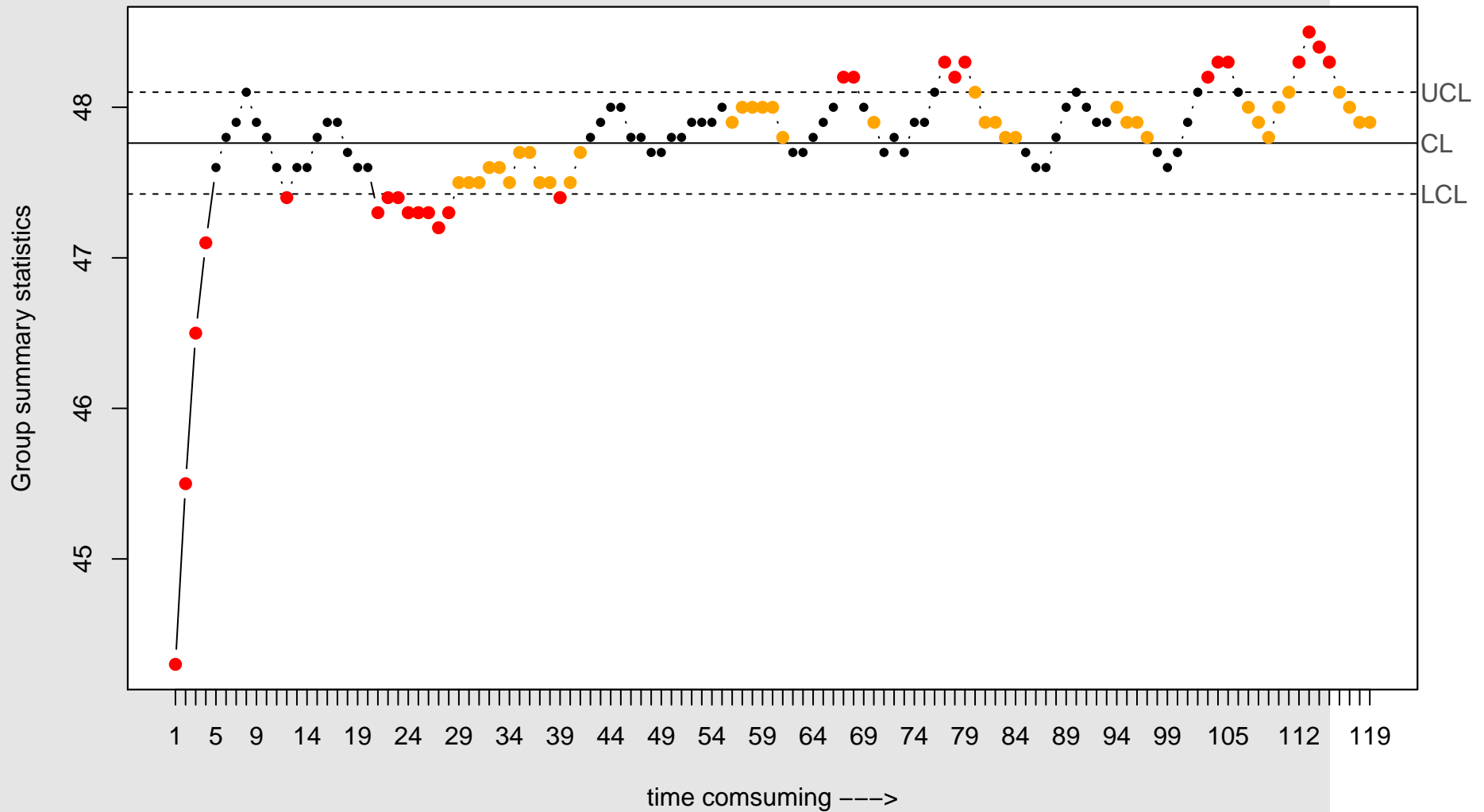
LCL = 47.42953

UCL = 48.06963

Number beyond limits = 46

Number violating runs = 55

# 115th column point of this product

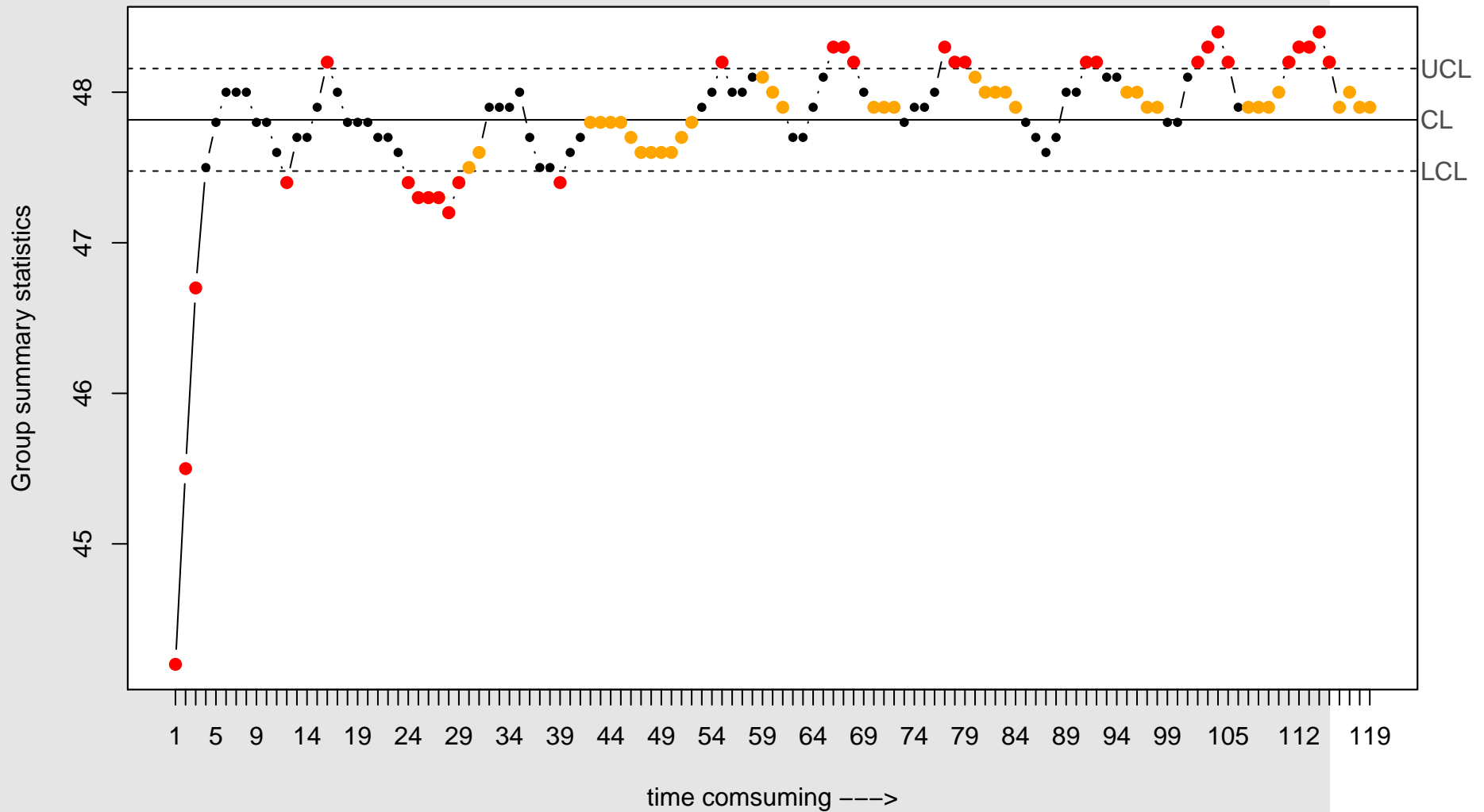


Number of groups = 119  
Center = 47.76218  
StdDev = 0.1126938

LCL = 47.4241  
UCL = 48.10027

Number beyond limits = 26  
Number violating runs = 47

# 116th column point of this product



Number of groups = 119

Center = 47.81681

StdDev = 0.1134451

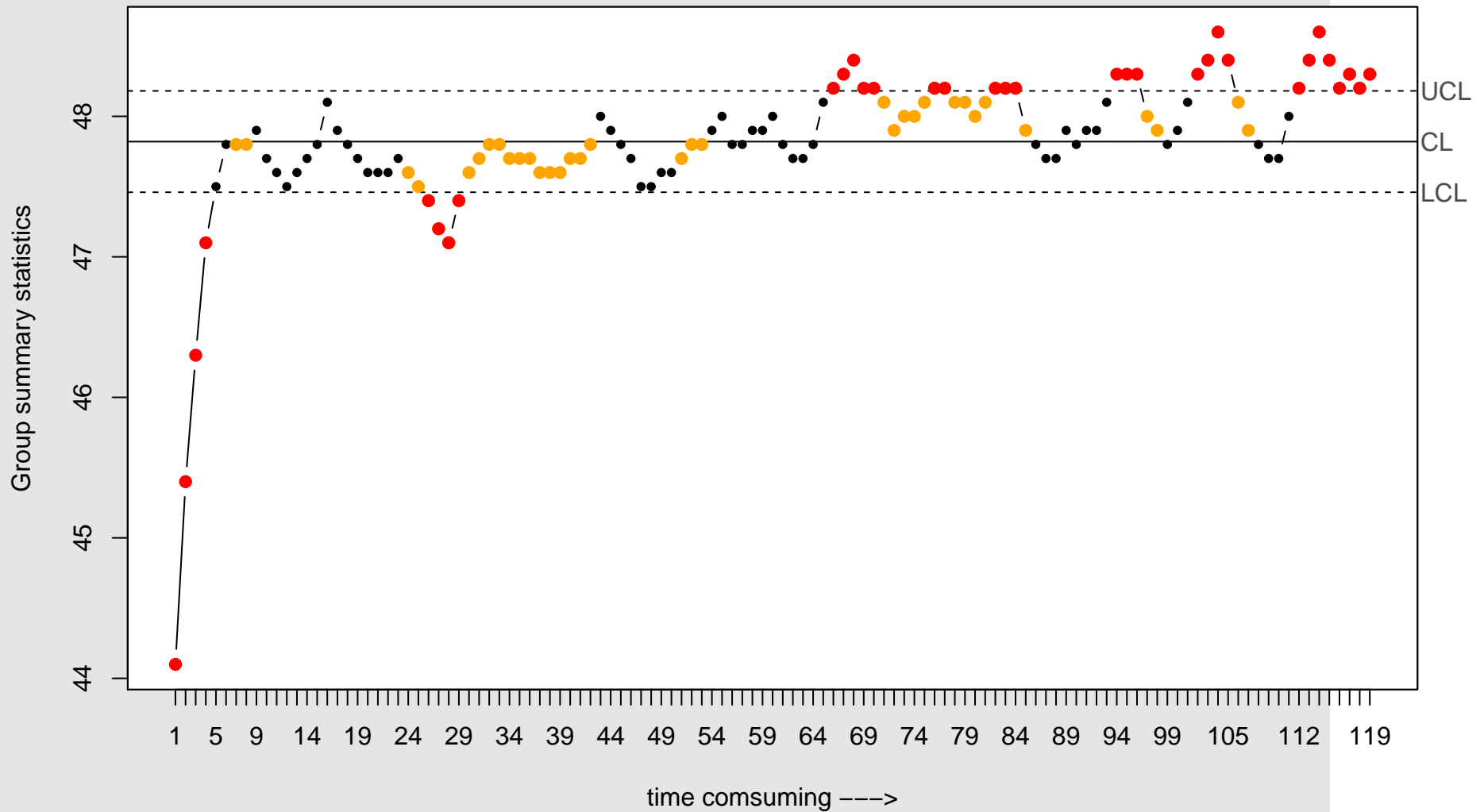
LCL = 47.47647

UCL = 48.15714

Number beyond limits = 30

Number violating runs = 47

# 117th column point of this product



Number of groups = 119

Center = 47.82017

StdDev = 0.1202068

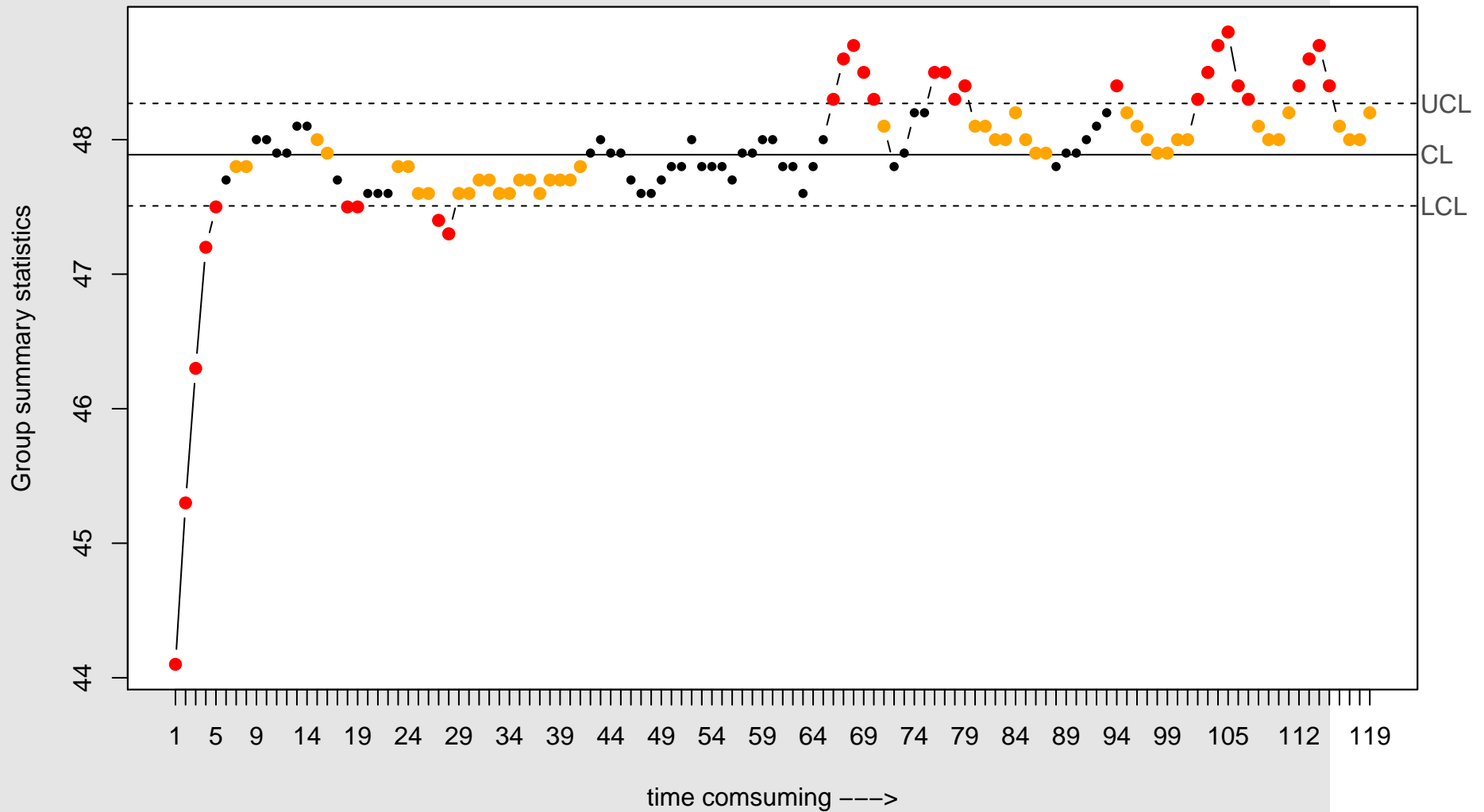
LCL = 47.45955

UCL = 48.18079

Number beyond limits = 33

Number violating runs = 46

# 118th column point of this product



Number of groups = 119

Center = 47.88824

StdDev = 0.1269684

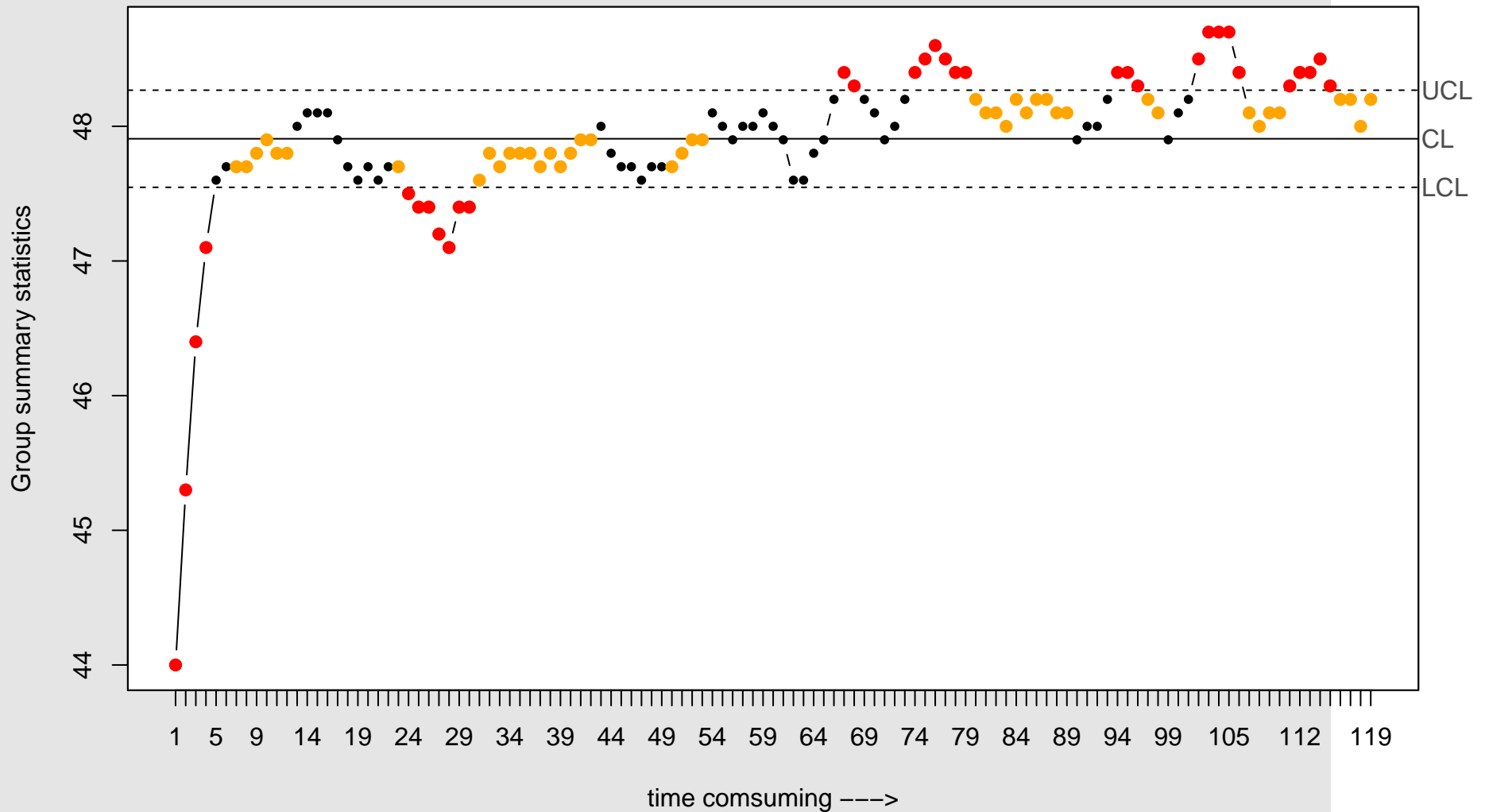
LCL = 47.50733

UCL = 48.26914

Number beyond limits = 29

Number violating runs = 58

# 119th column point of this product



Number of groups = 119

Center = 47.90756

StdDev = 0.1202068

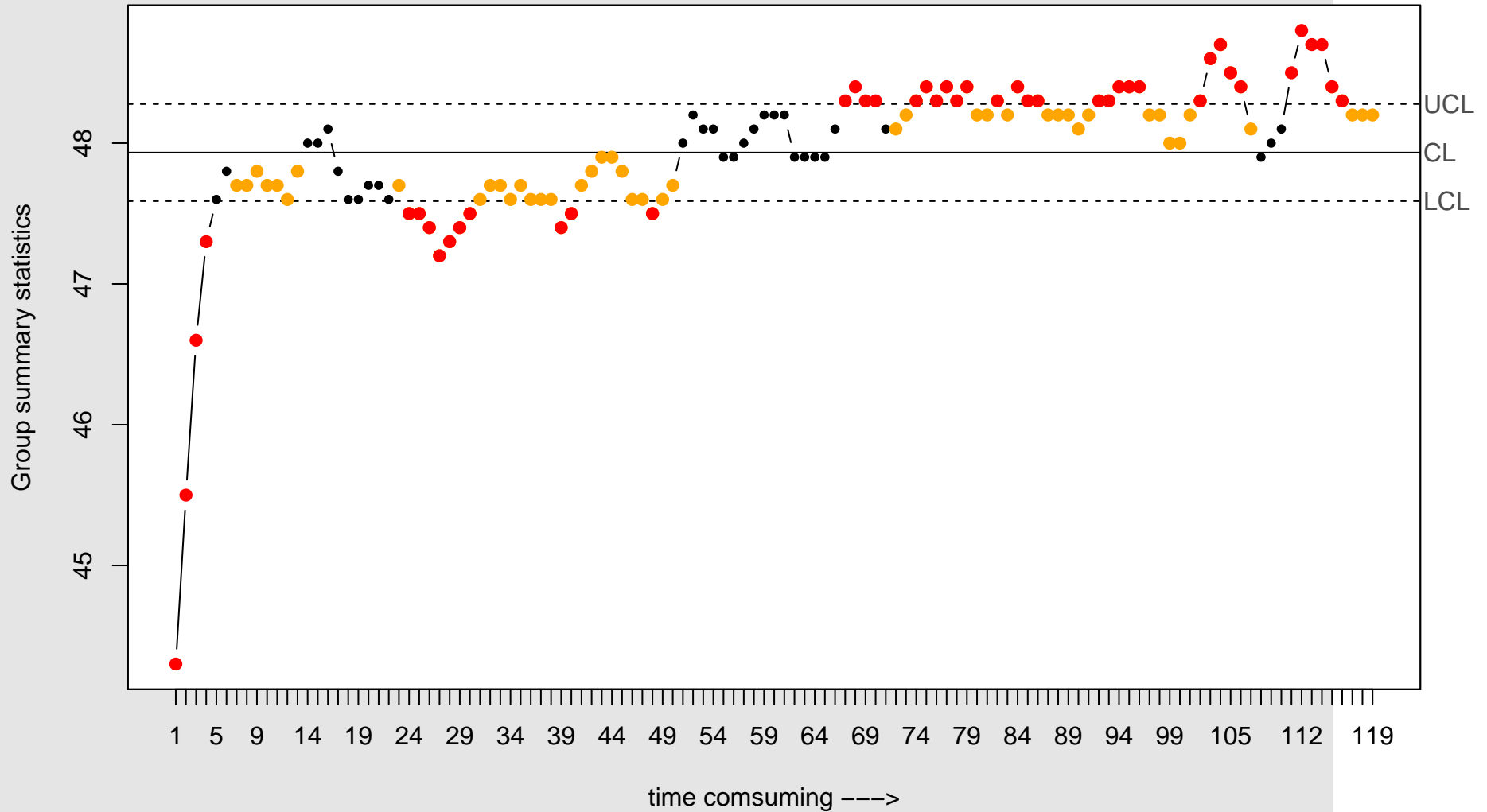
LCL = 47.54694

UCL = 48.26818

Number beyond limits = 32

Number violating runs = 58

# 120th column point of this product



Number of groups = 119

Center = 47.93277

StdDev = 0.1149477

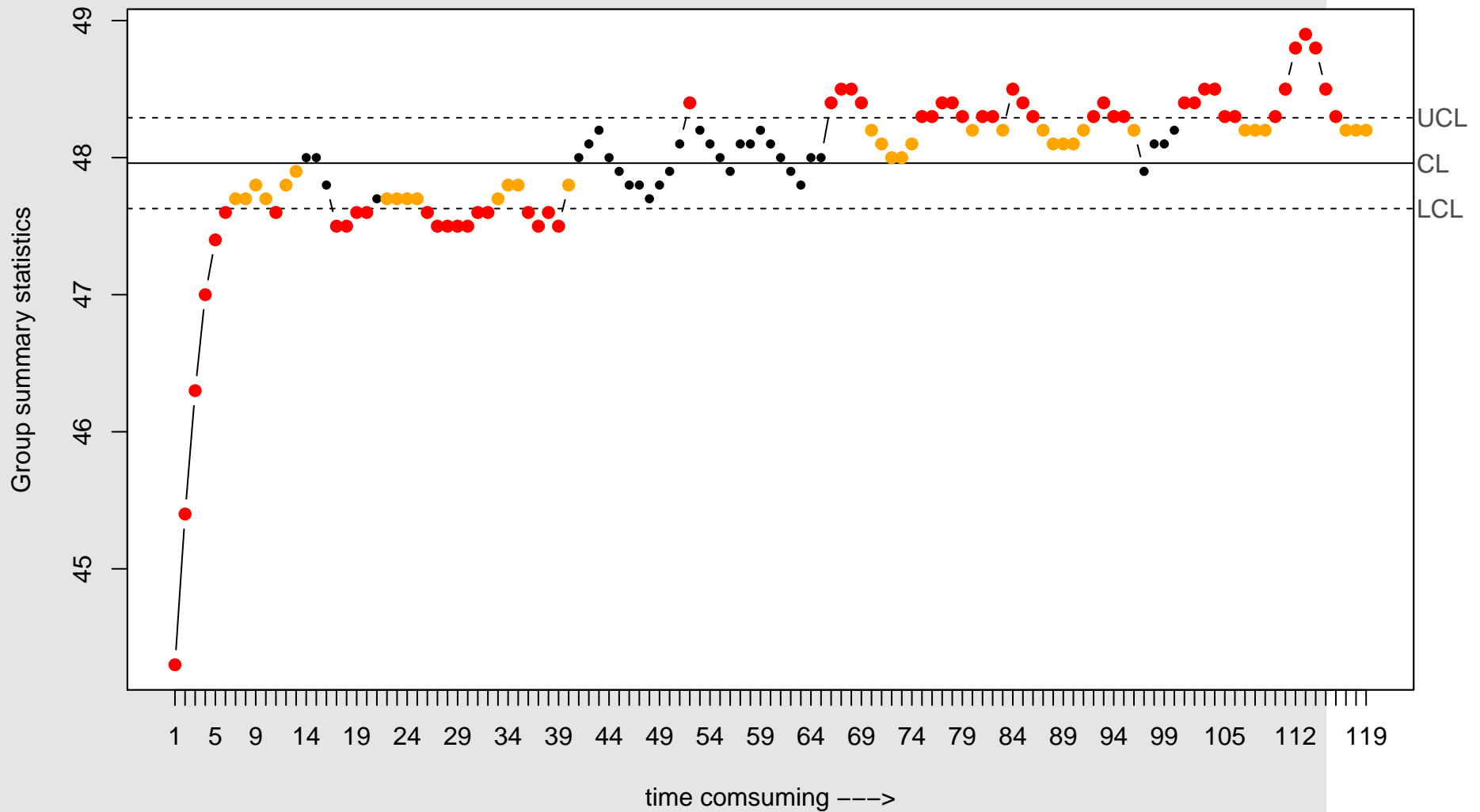
LCL = 47.58793

UCL = 48.27762

Number beyond limits = 44

Number violating runs = 76

# 121th column point of this product



Number of groups = 119

Center = 47.95966

StdDev = 0.11044

LCL = 47.62834

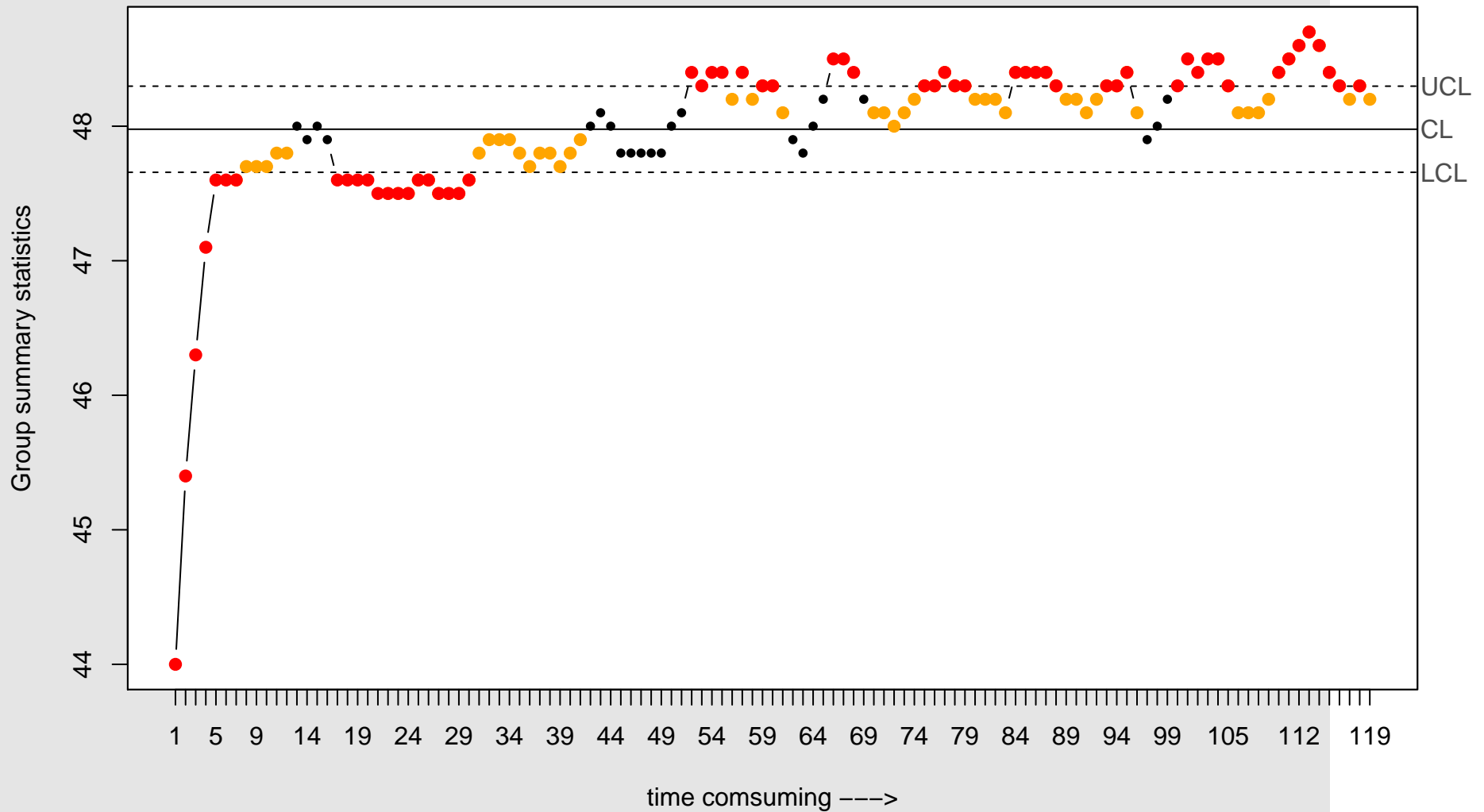
UCL = 48.29098

Number beyond limits = 54

Number violating runs = 69



# 122th column point of this product



Number of groups = 119

Center = 47.97731

StdDev = 0.1066835

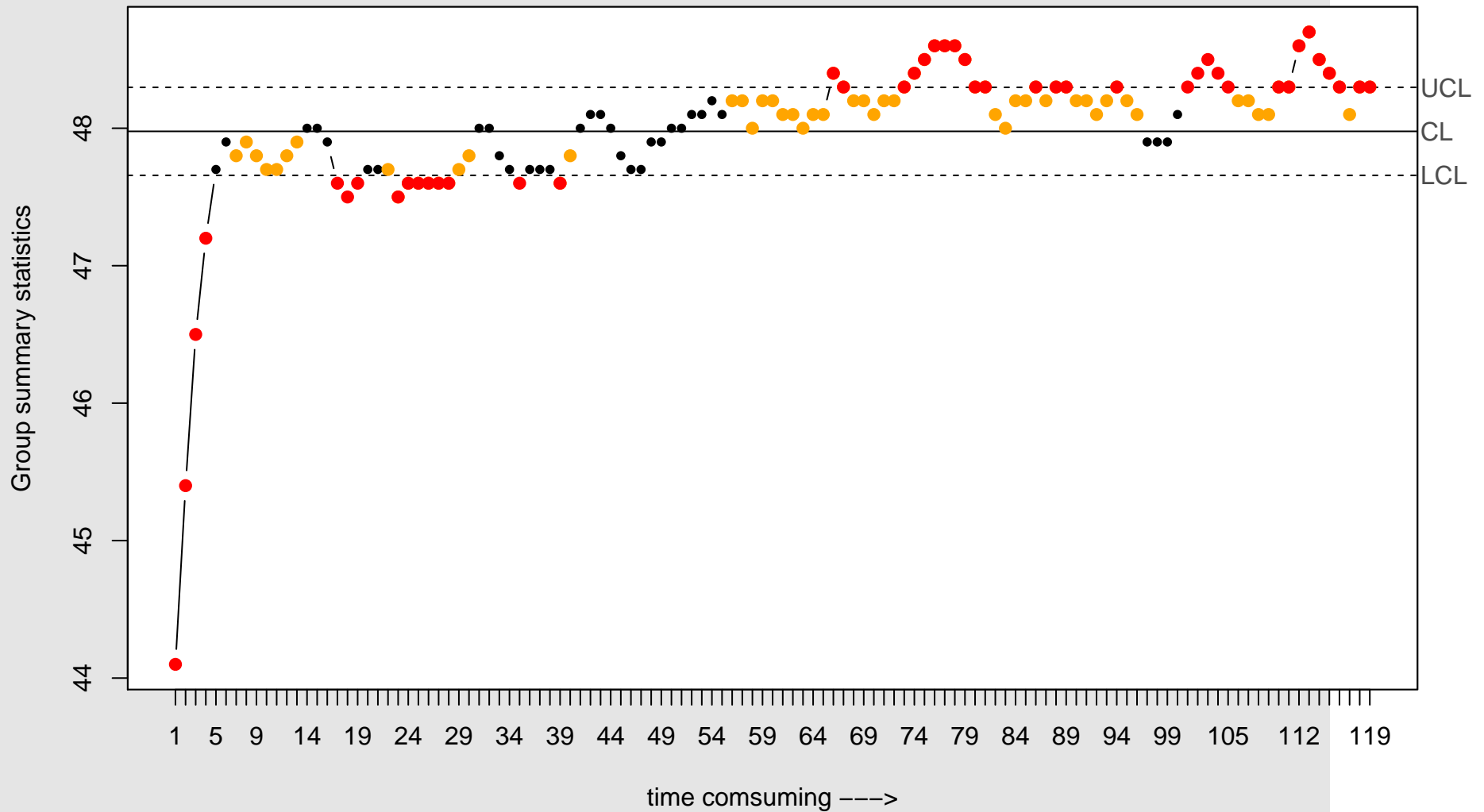
LCL = 47.65726

UCL = 48.29736

Number beyond limits = 58

Number violating runs = 75

# 123th column point of this product



Number of groups = 119

Center = 47.97731

StdDev = 0.1066835

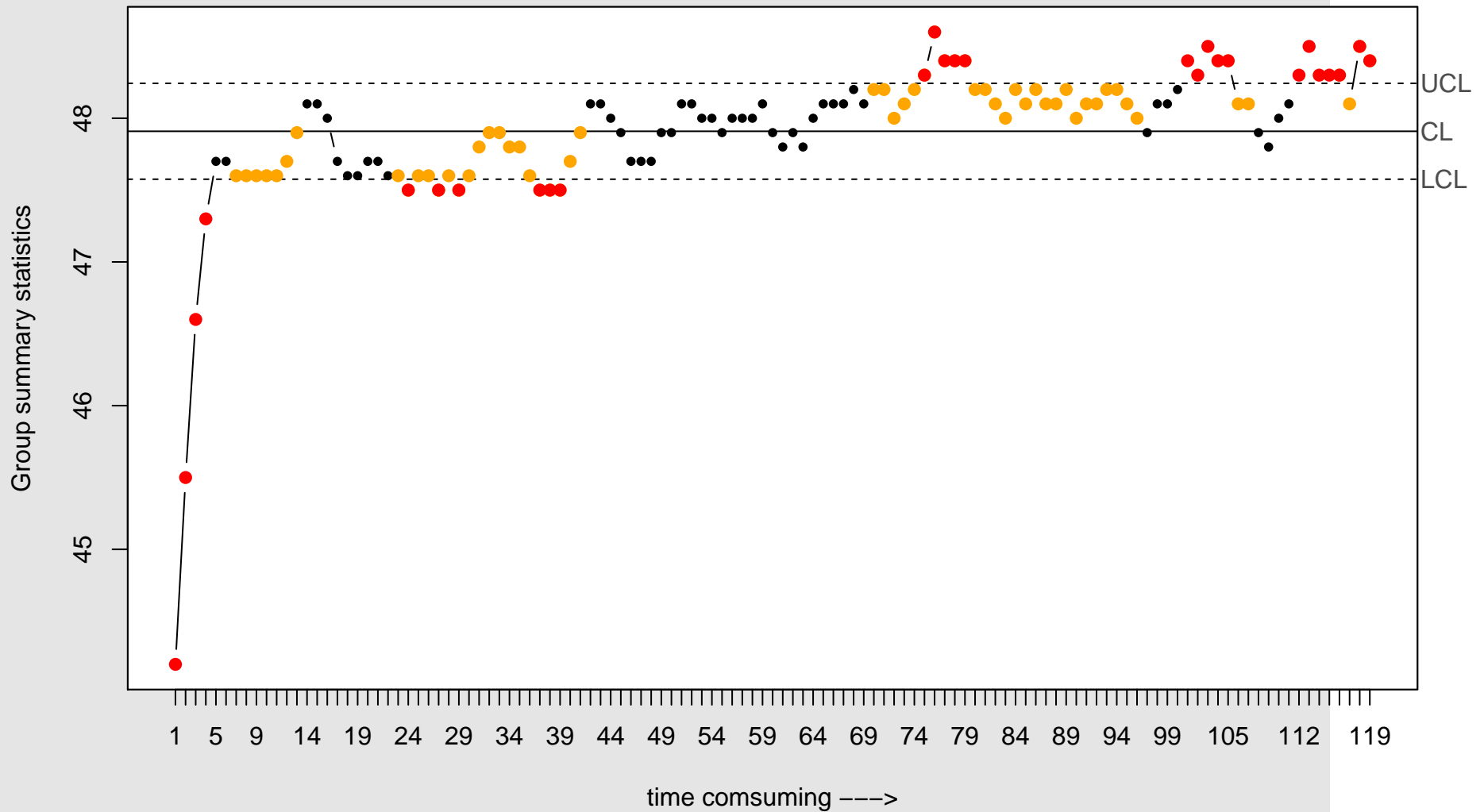
LCL = 47.65726

UCL = 48.29736

Number beyond limits = 44

Number violating runs = 73

# 124th column point of this product

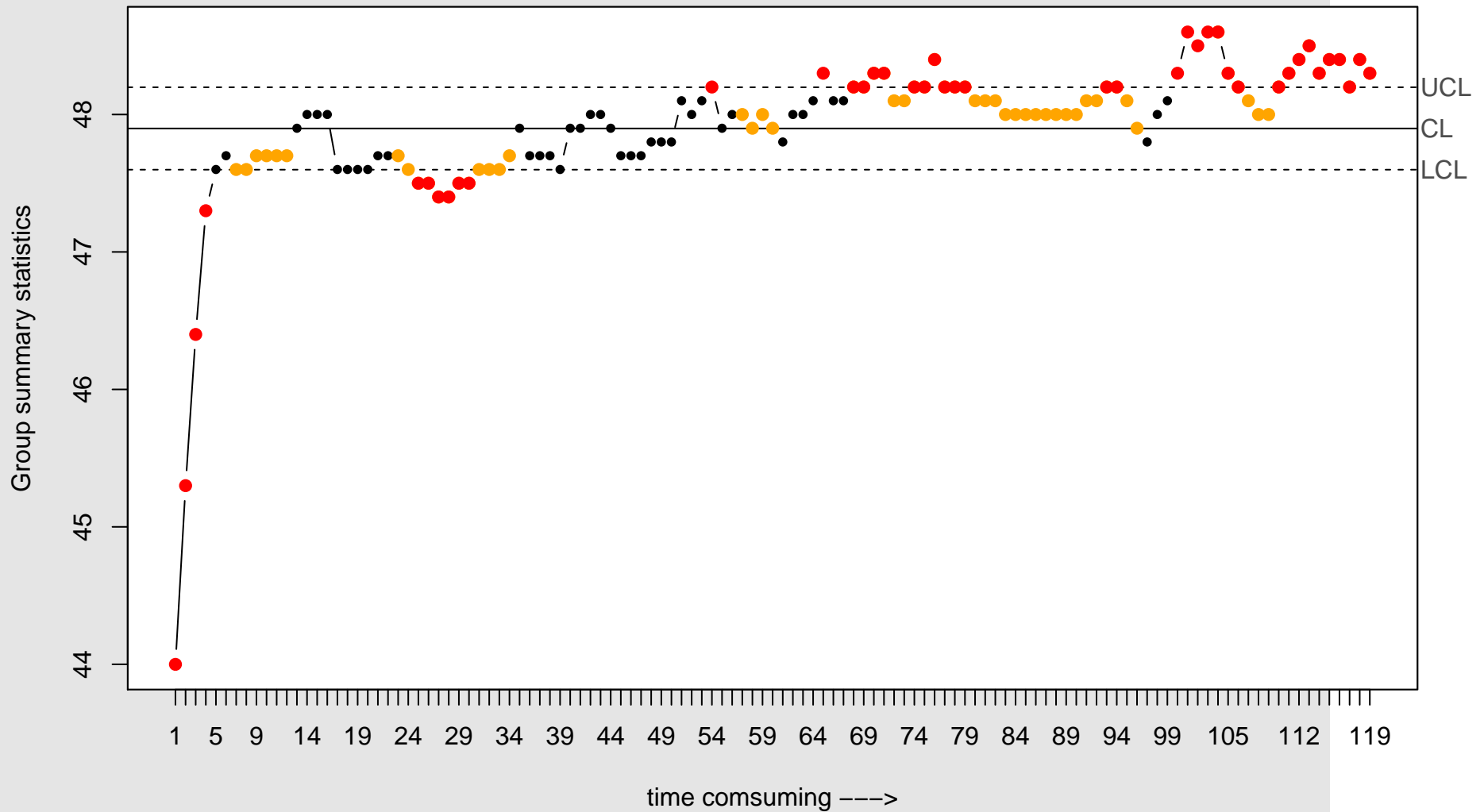


Number of groups = 119  
Center = 47.90924  
StdDev = 0.1111912

LCL = 47.57567  
UCL = 48.24282

Number beyond limits = 27  
Number violating runs = 61

# 125th column point of this product



Number of groups = 119

Center = 47.89832

StdDev = 0.09992187

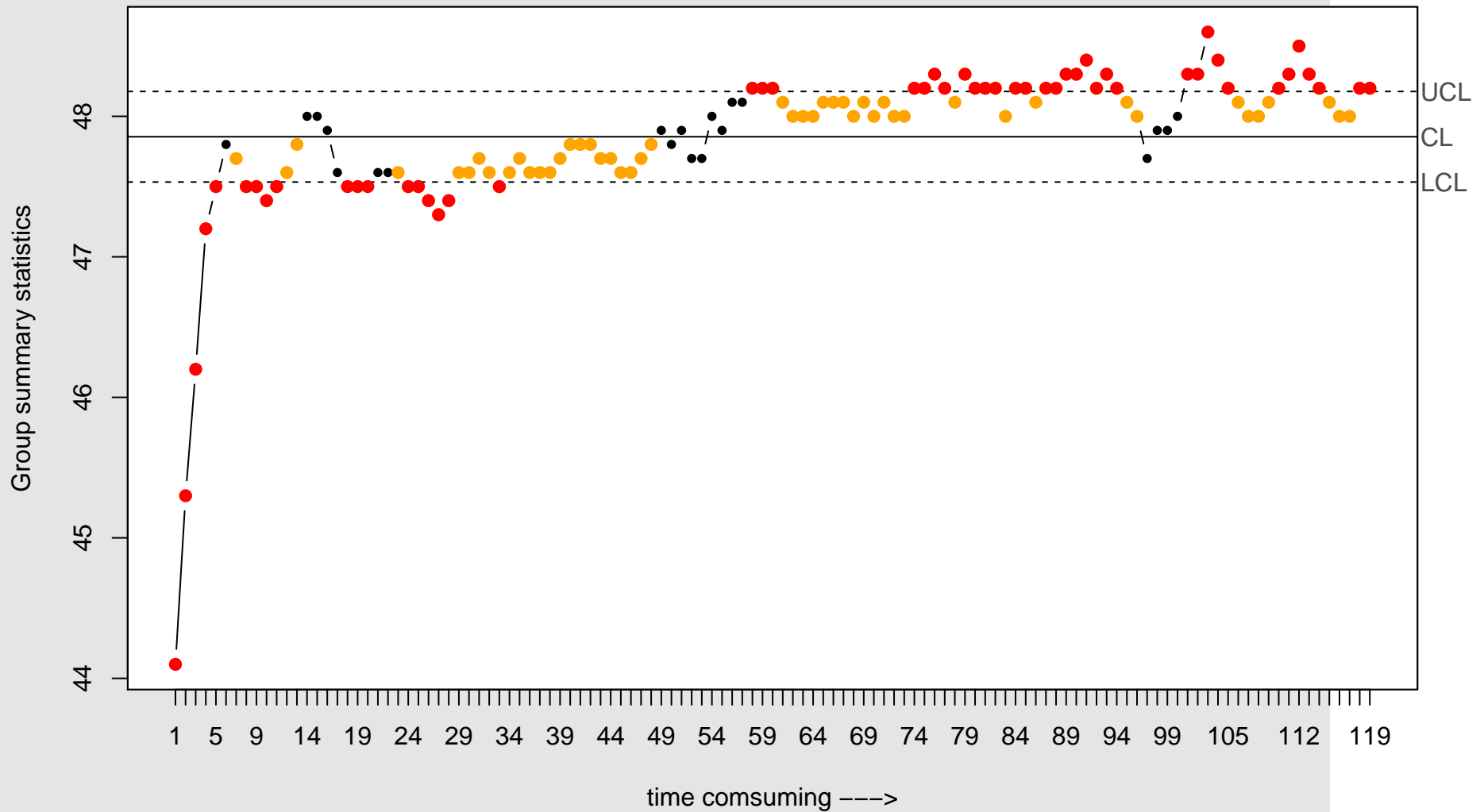
LCL = 47.59855

UCL = 48.19808

Number beyond limits = 41

Number violating runs = 67

# 126th column point of this product



Number of groups = 119

Center = 47.85462

StdDev = 0.1074348

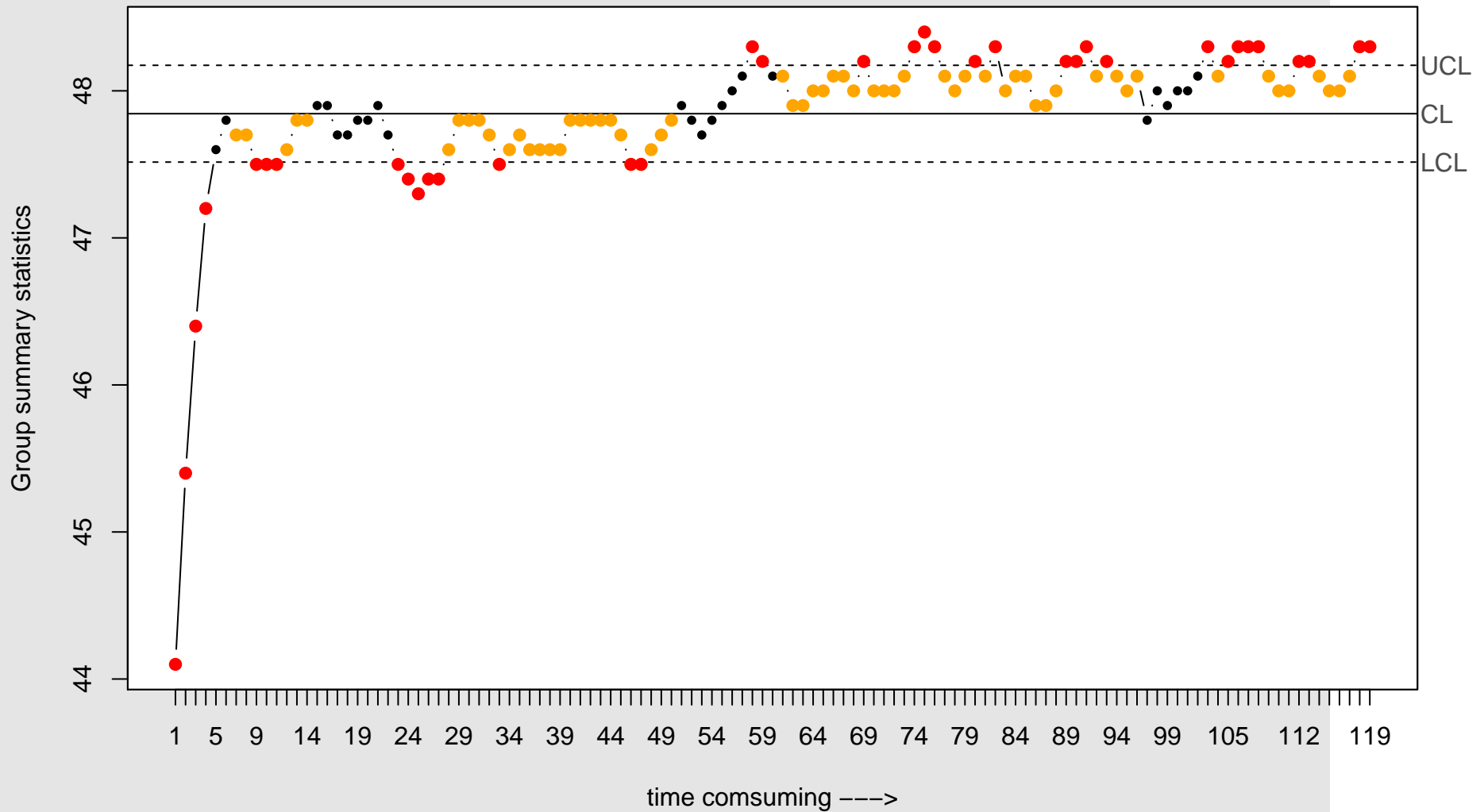
LCL = 47.53232

UCL = 48.17693

Number beyond limits = 51

Number violating runs = 86

# 127th column point of this product

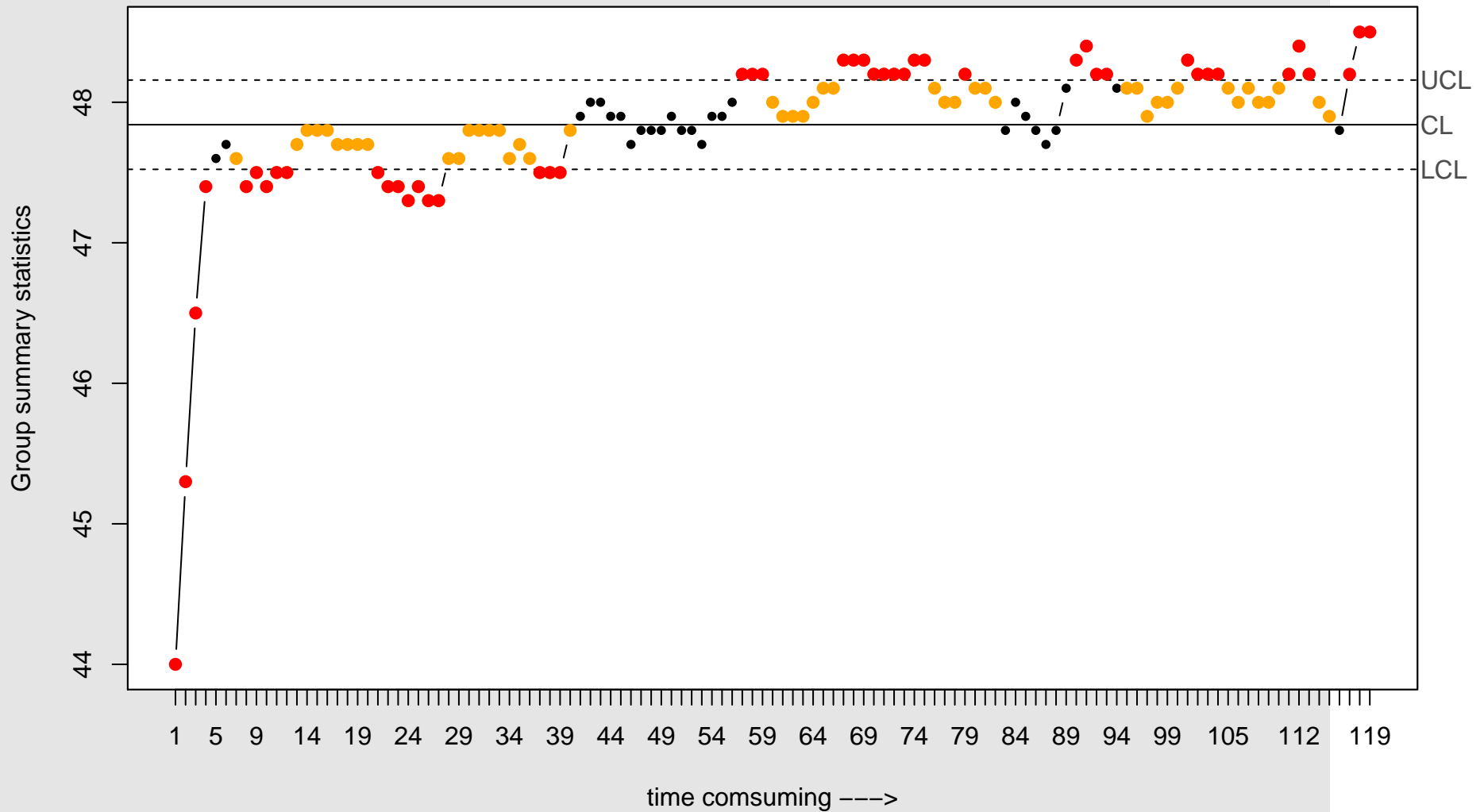


Number of groups = 119  
Center = 47.84454  
StdDev = 0.1096887

LCL = 47.51547  
UCL = 48.1736

Number beyond limits = 36  
Number violating runs = 83

# 128th column point of this product



Number of groups = 119

Center = 47.84034

StdDev = 0.1059322

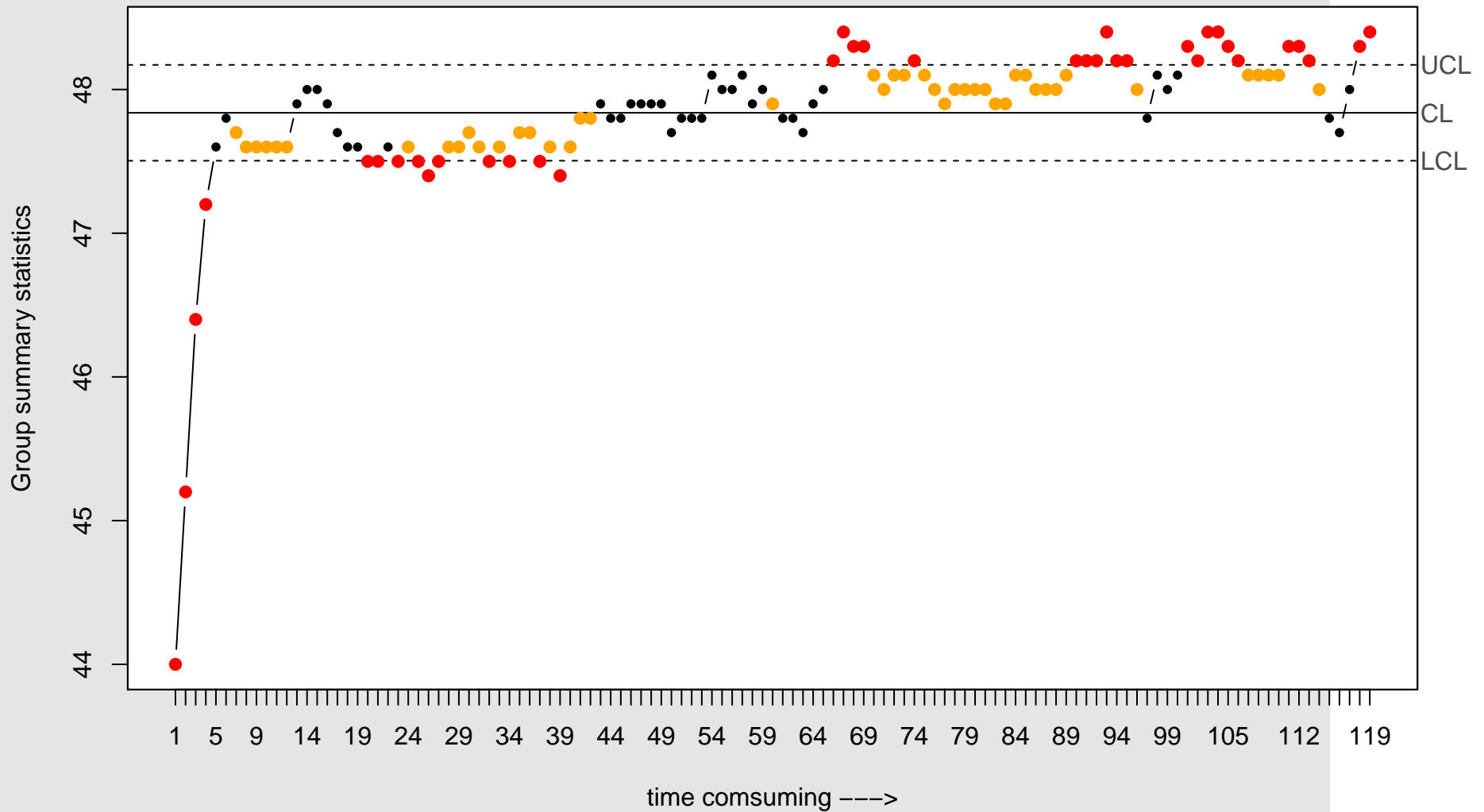
LCL = 47.52254

UCL = 48.15813

Number beyond limits = 46

Number violating runs = 78

# 129th column point of this product



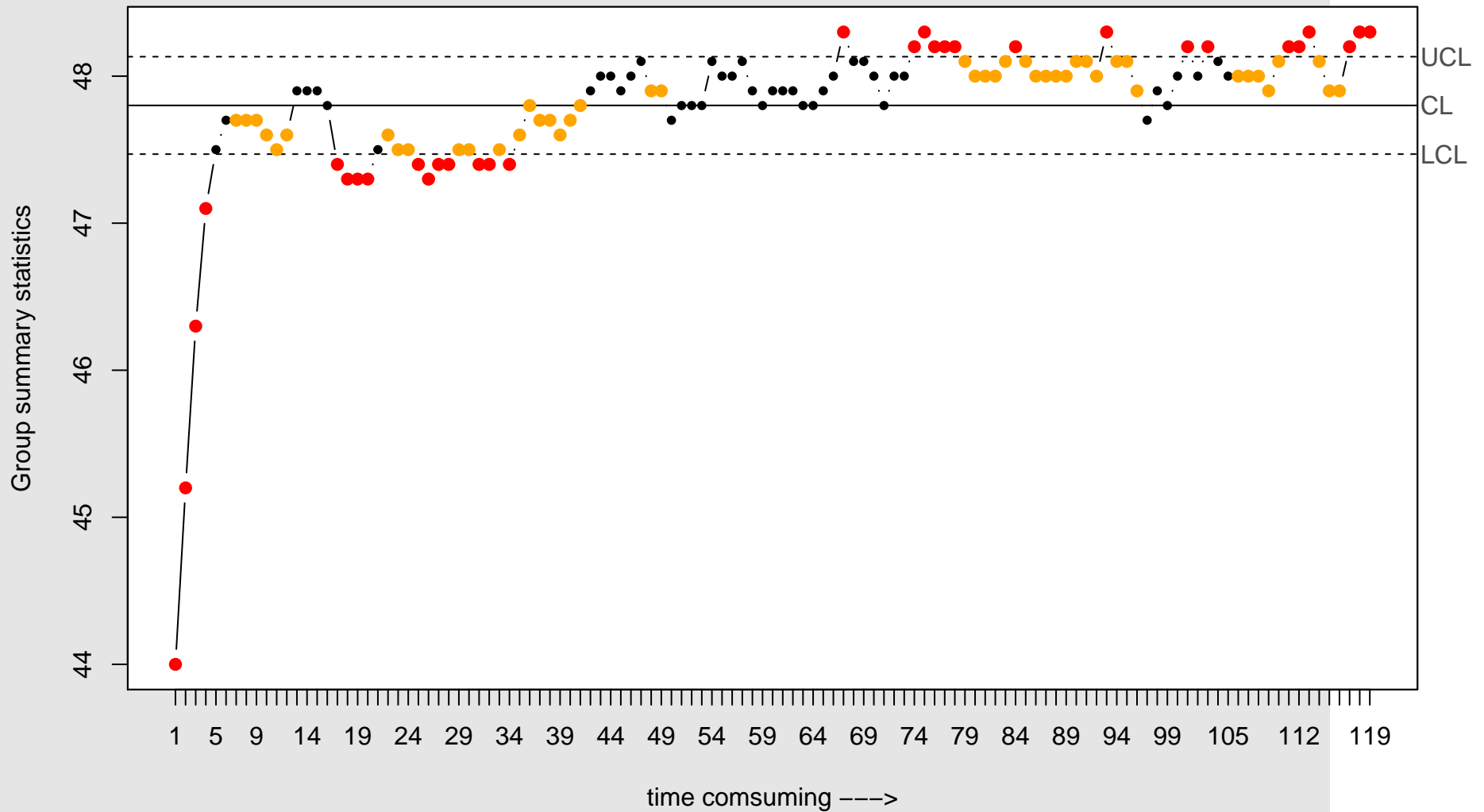
Number of groups = 119  
Center = 47.83782  
StdDev = 0.1111912

LCL = 47.50424  
UCL = 48.17139

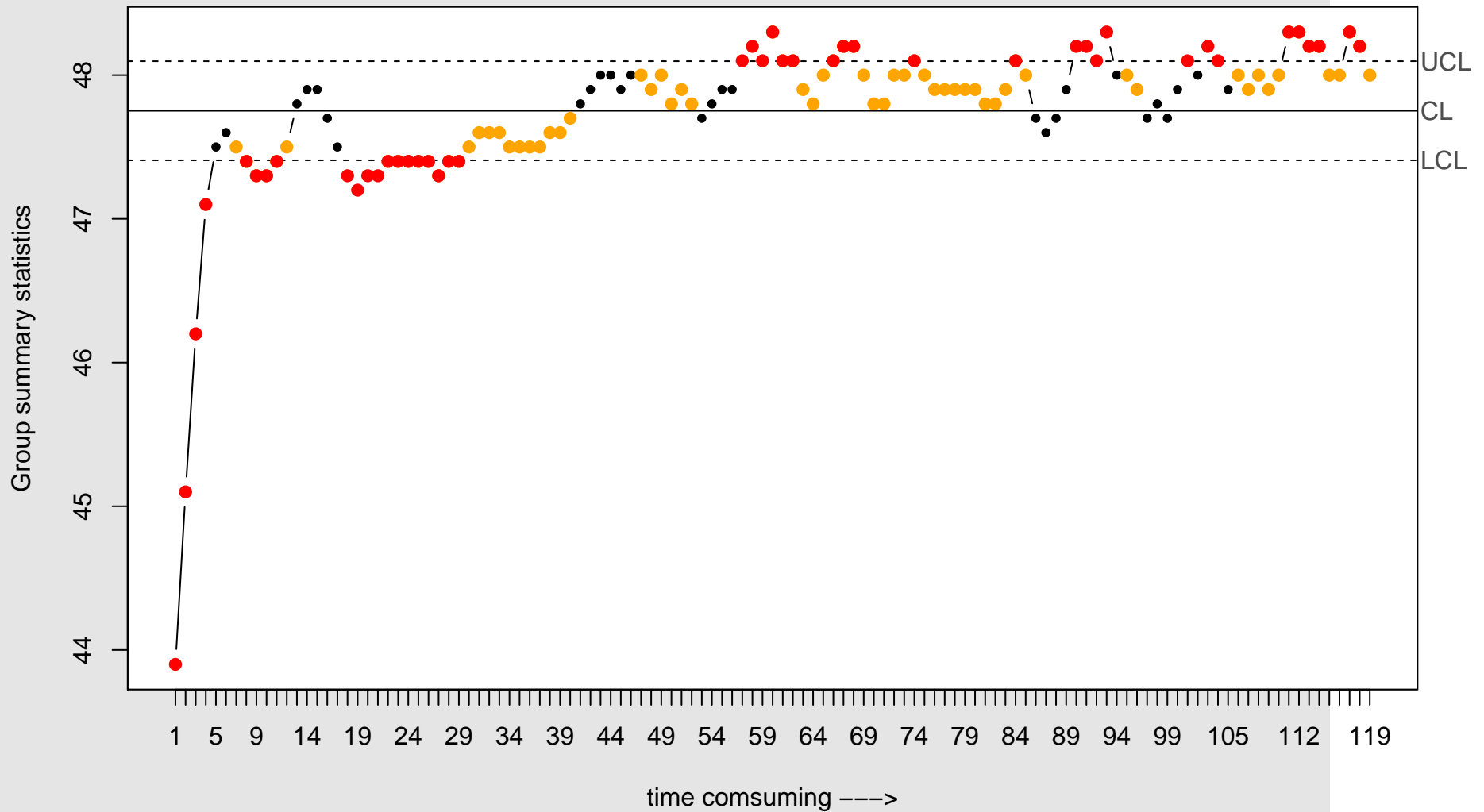
Number beyond limits = 36  
Number violating runs = 65



### 130th column point of this product



### 131th column point of this product



Number of groups = 119

Center = 47.7521

StdDev = 0.1149477

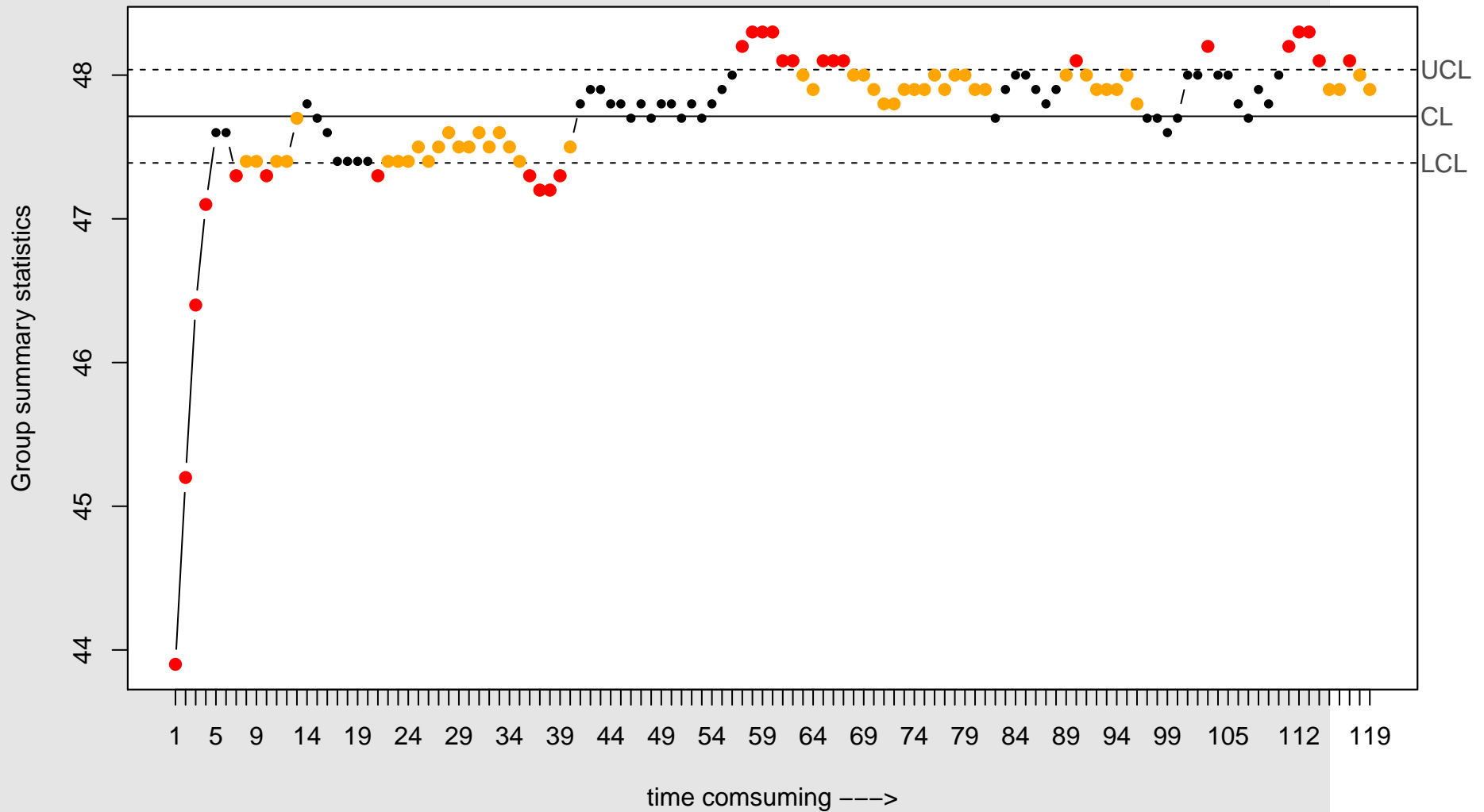
LCL = 47.40726

UCL = 48.09694

Number beyond limits = 44

Number violating runs = 73

### 132th column point of this product

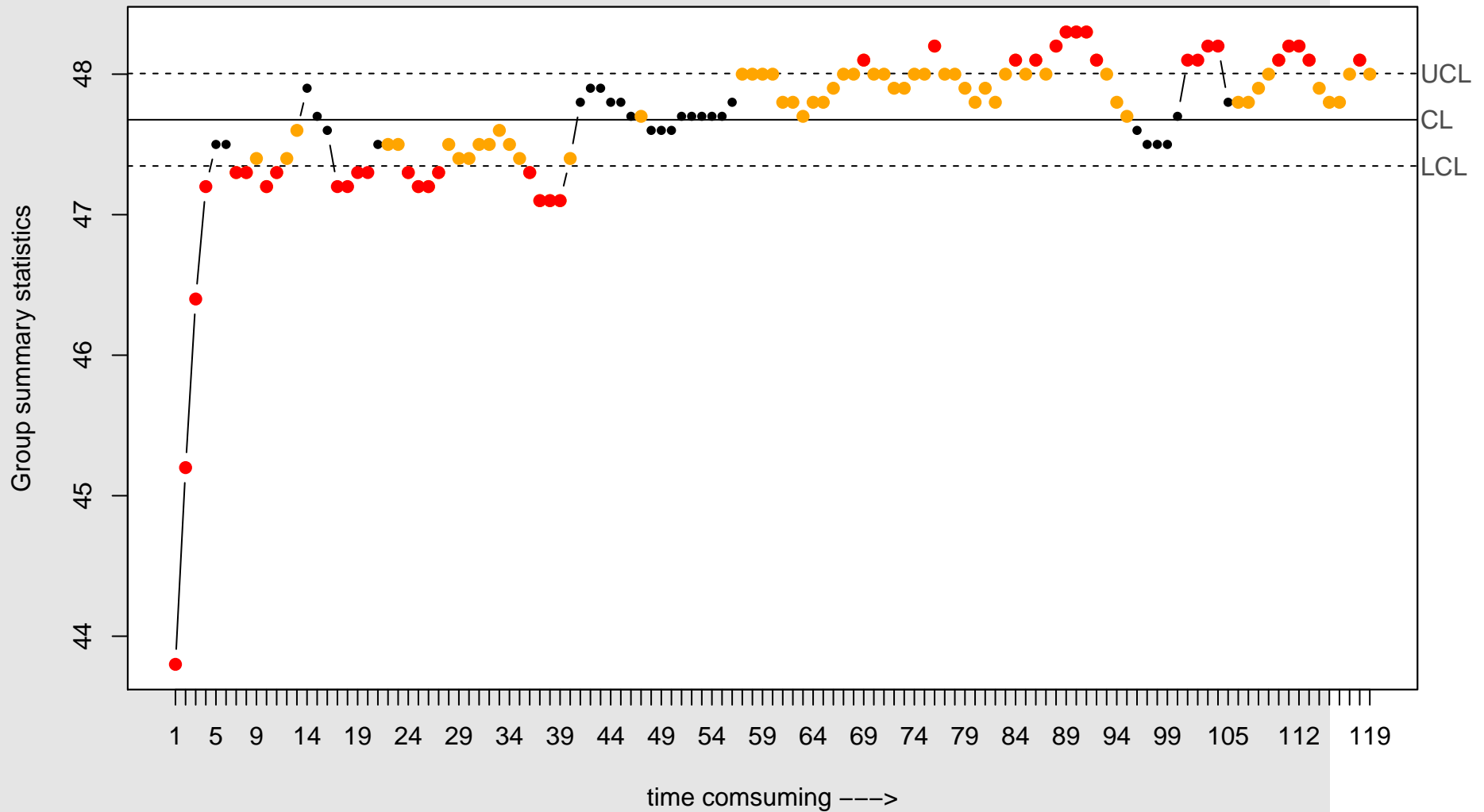


Number of groups = 119  
Center = 47.71345  
StdDev = 0.1081861

LCL = 47.38889  
UCL = 48.038

Number beyond limits = 27  
Number violating runs = 63

### 133th column point of this product



Number of groups = 119

Center = 47.67563

StdDev = 0.1096887

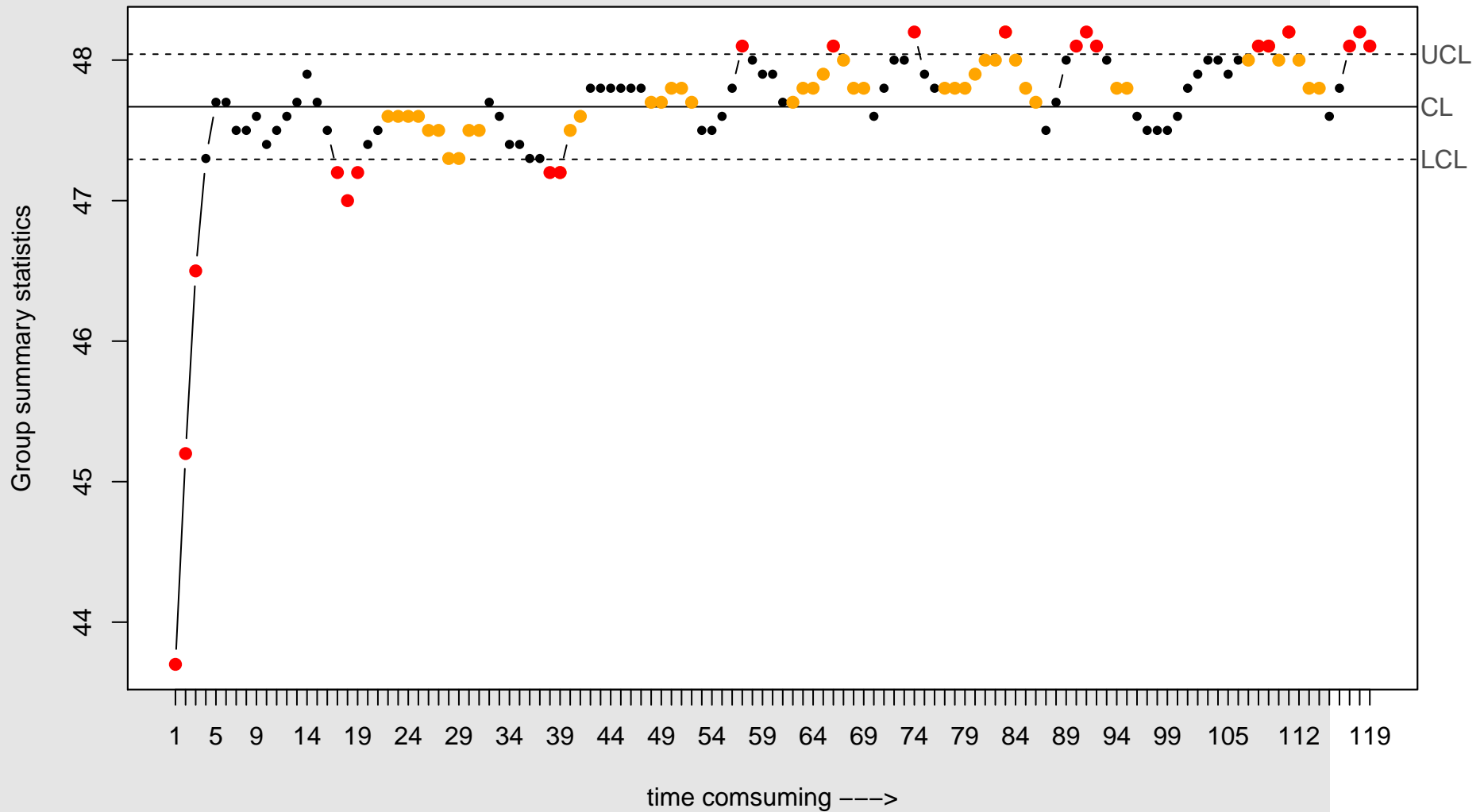
LCL = 47.34656

UCL = 48.0047

Number beyond limits = 38

Number violating runs = 80

### 134th column point of this product



Number of groups = 119

Center = 47.66807

StdDev = 0.1247145

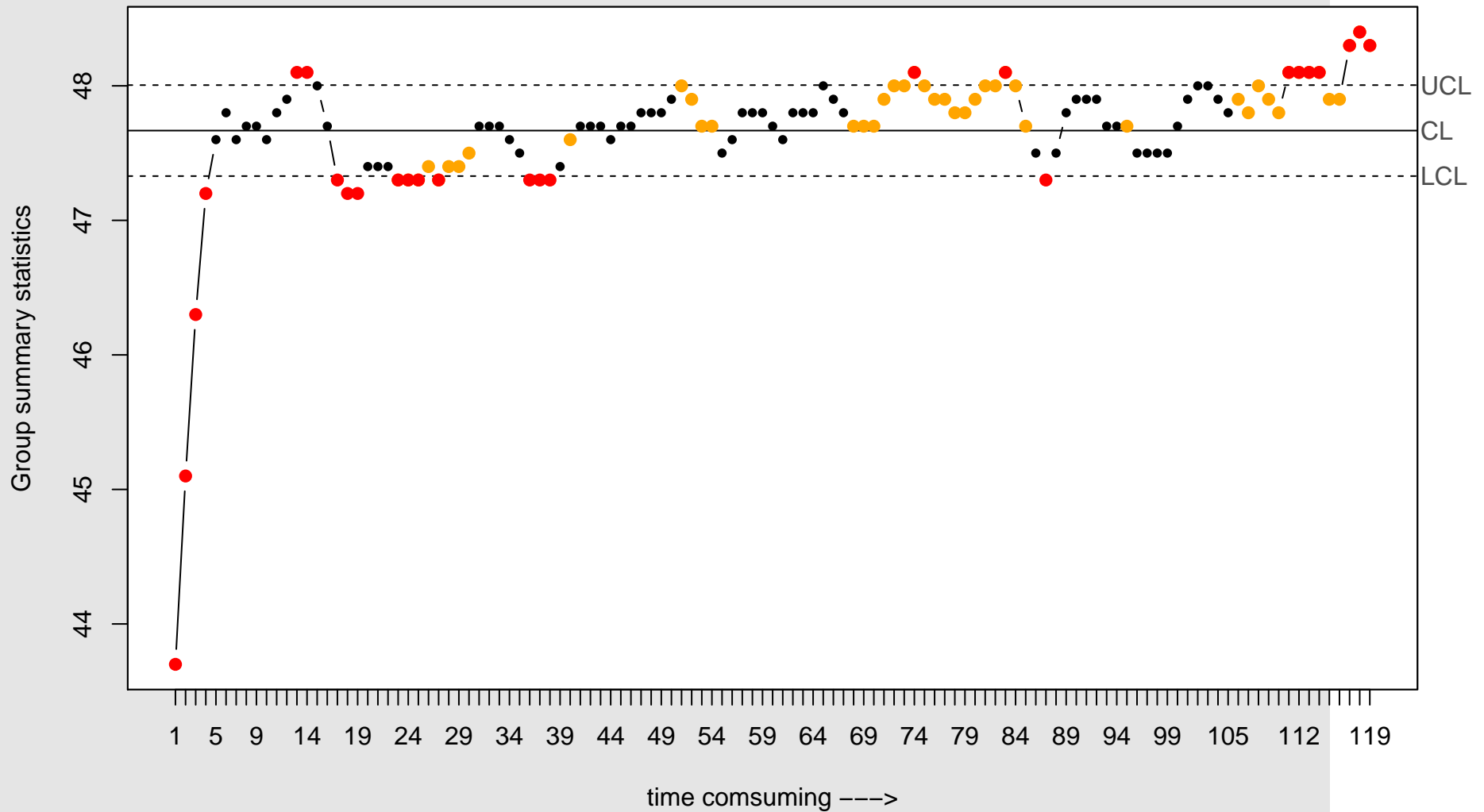
LCL = 47.29392

UCL = 48.04221

Number beyond limits = 21

Number violating runs = 46

# 135th column point of this product



Number of groups = 119

Center = 47.66723

StdDev = 0.1126938

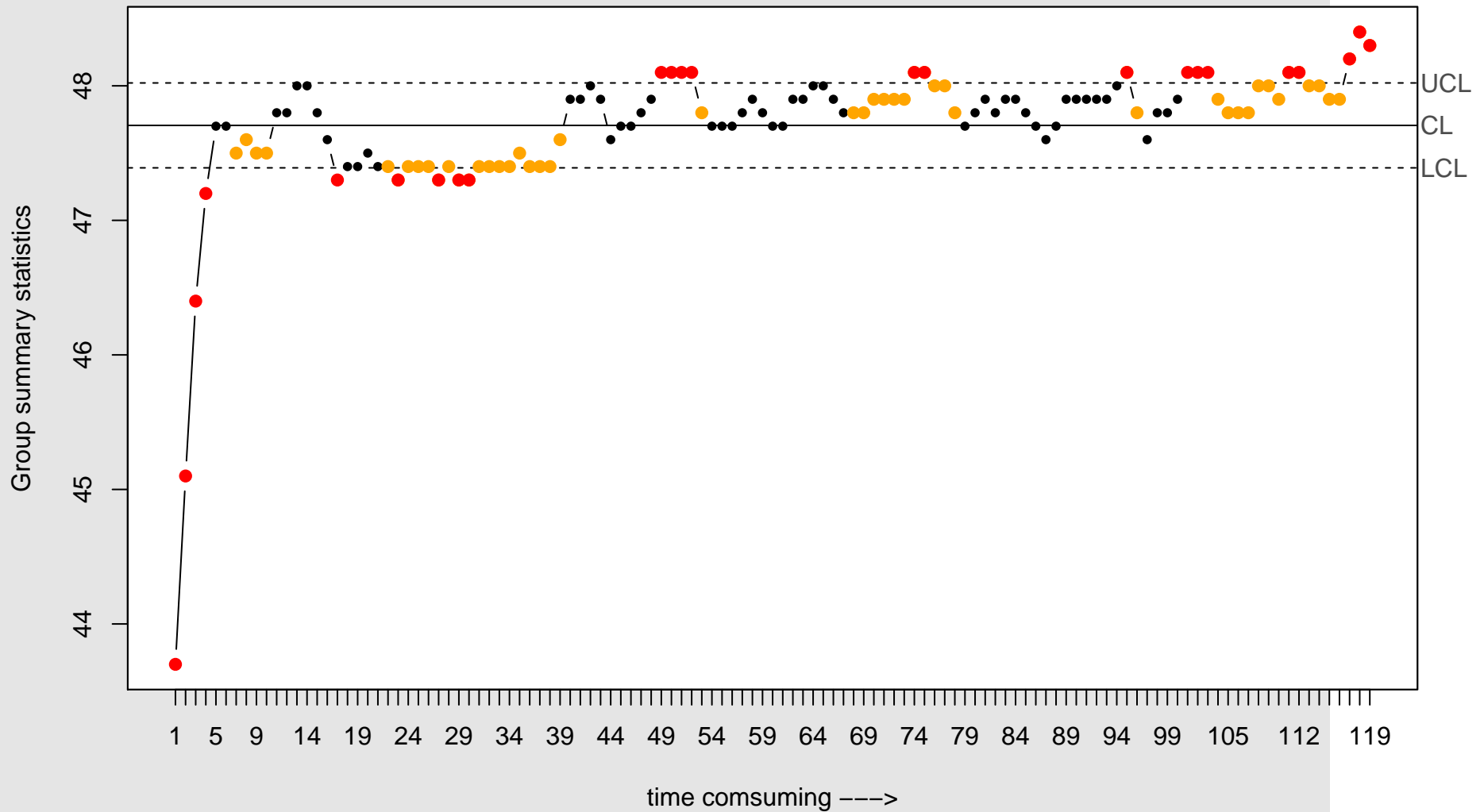
LCL = 47.32915

UCL = 48.00531

Number beyond limits = 26

Number violating runs = 46

### 136th column point of this product



Number of groups = 119

Center = 47.70588

StdDev = 0.1051809

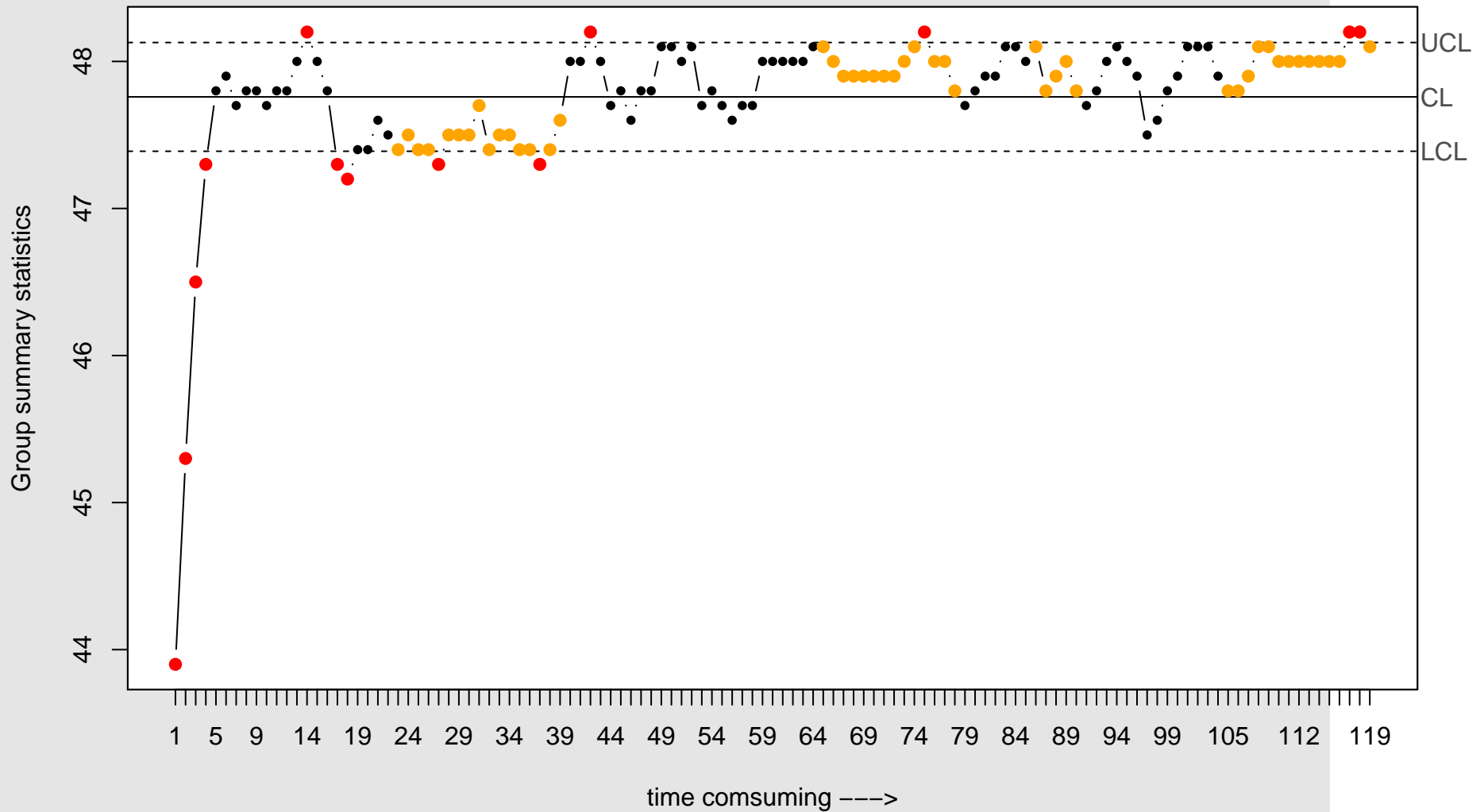
LCL = 47.39034

UCL = 48.02143

Number beyond limits = 24

Number violating runs = 52

# 137th column point of this product



Number of groups = 119

Center = 47.75882

StdDev = 0.1232119

LCL = 47.38919

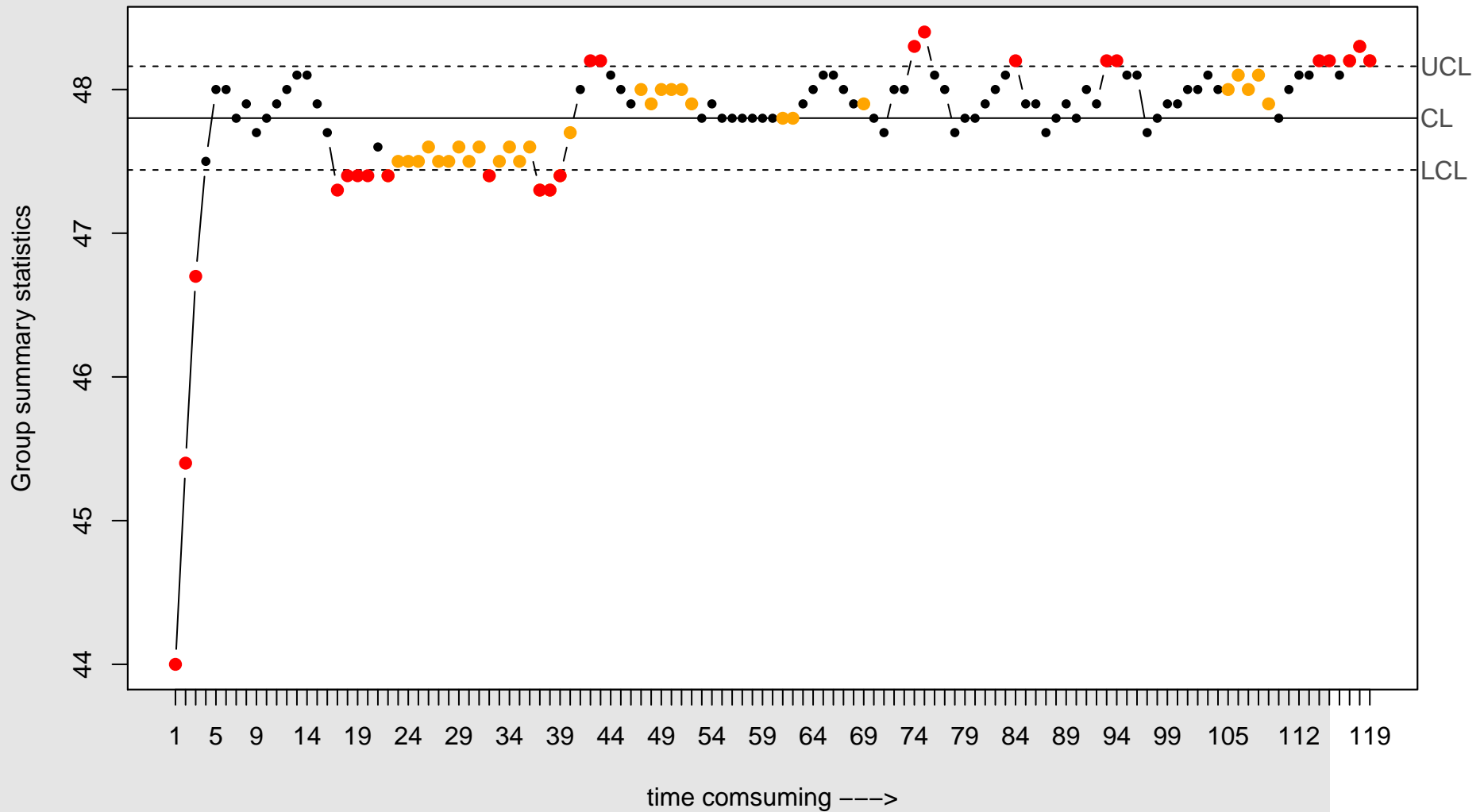
UCL = 48.12846

Number beyond limits = 13

Number violating runs = 51



### 138th column point of this product



Number of groups = 119

Center = 47.80084

StdDev = 0.1202068

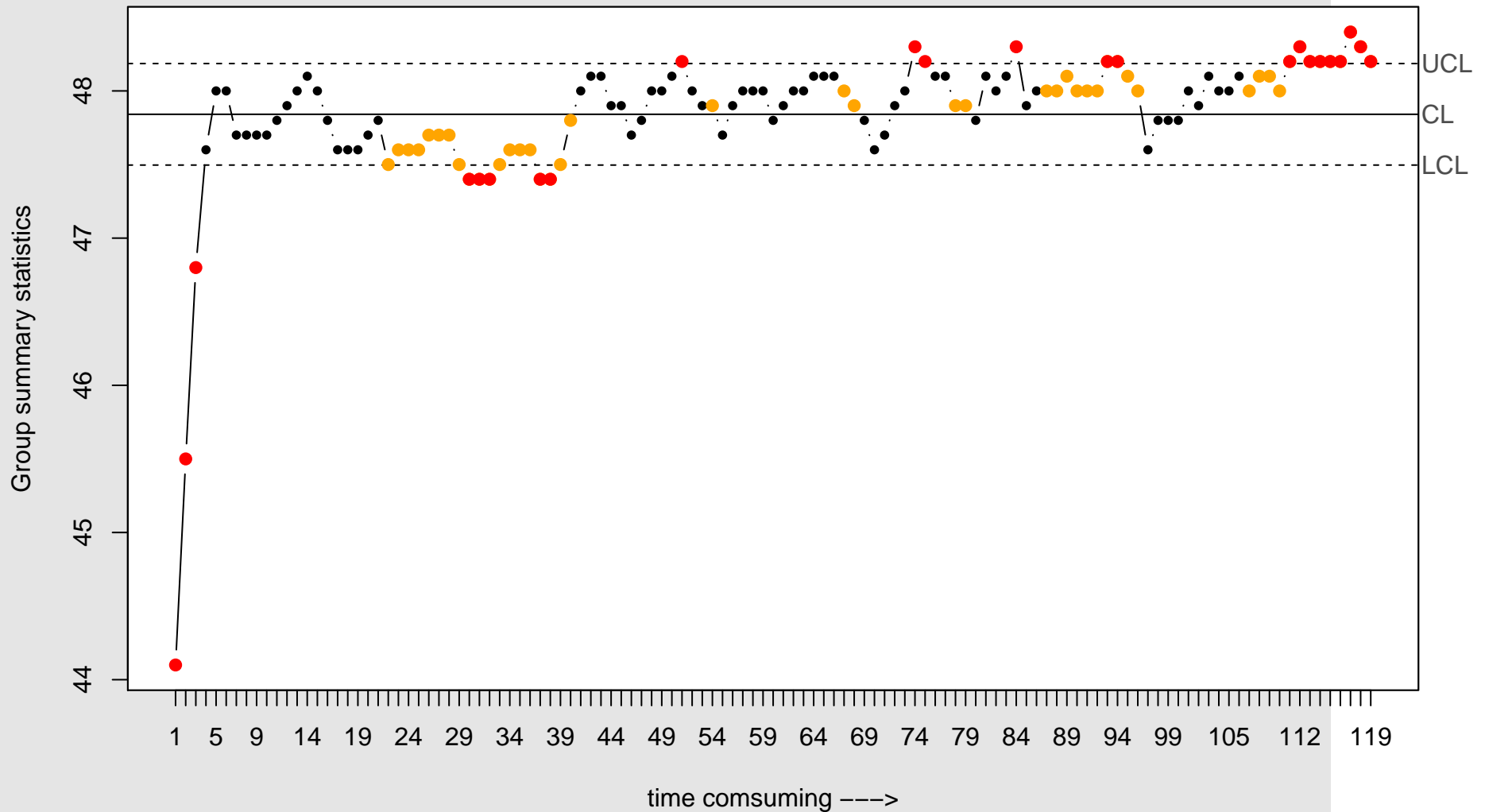
LCL = 47.44022

UCL = 48.16146

Number beyond limits = 24

Number violating runs = 36

# 139th column point of this product



Number of groups = 119

Center = 47.84118

StdDev = 0.1149477

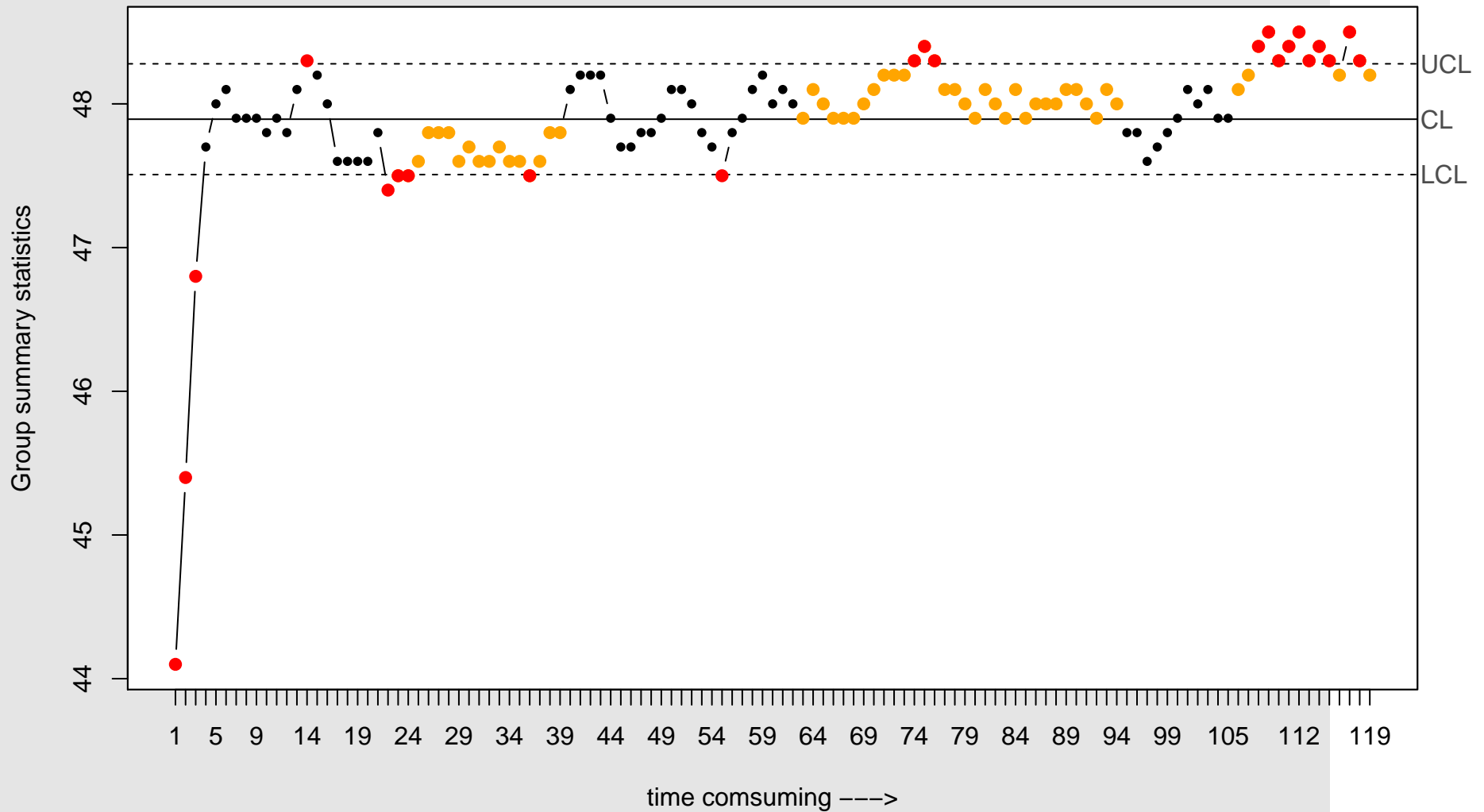
LCL = 47.49633

UCL = 48.18602

Number beyond limits = 23

Number violating runs = 47

# 140th column point of this product

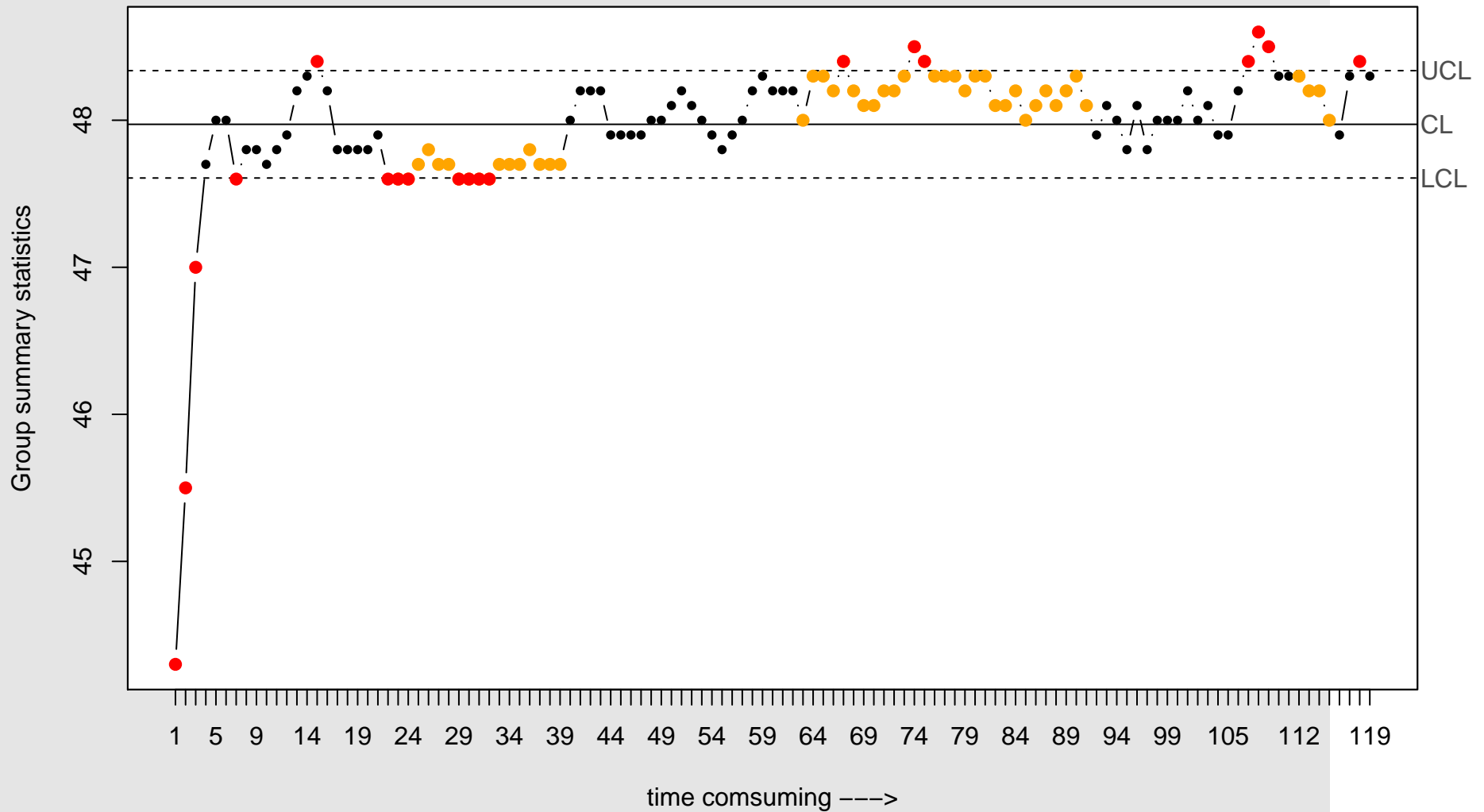


Number of groups = 119  
Center = 47.89328  
StdDev = 0.128471

LCL = 47.50786  
UCL = 48.27869

Number beyond limits = 22  
Number violating runs = 63

# 141th column point of this product



Number of groups = 119

Center = 47.97227

StdDev = 0.1217093

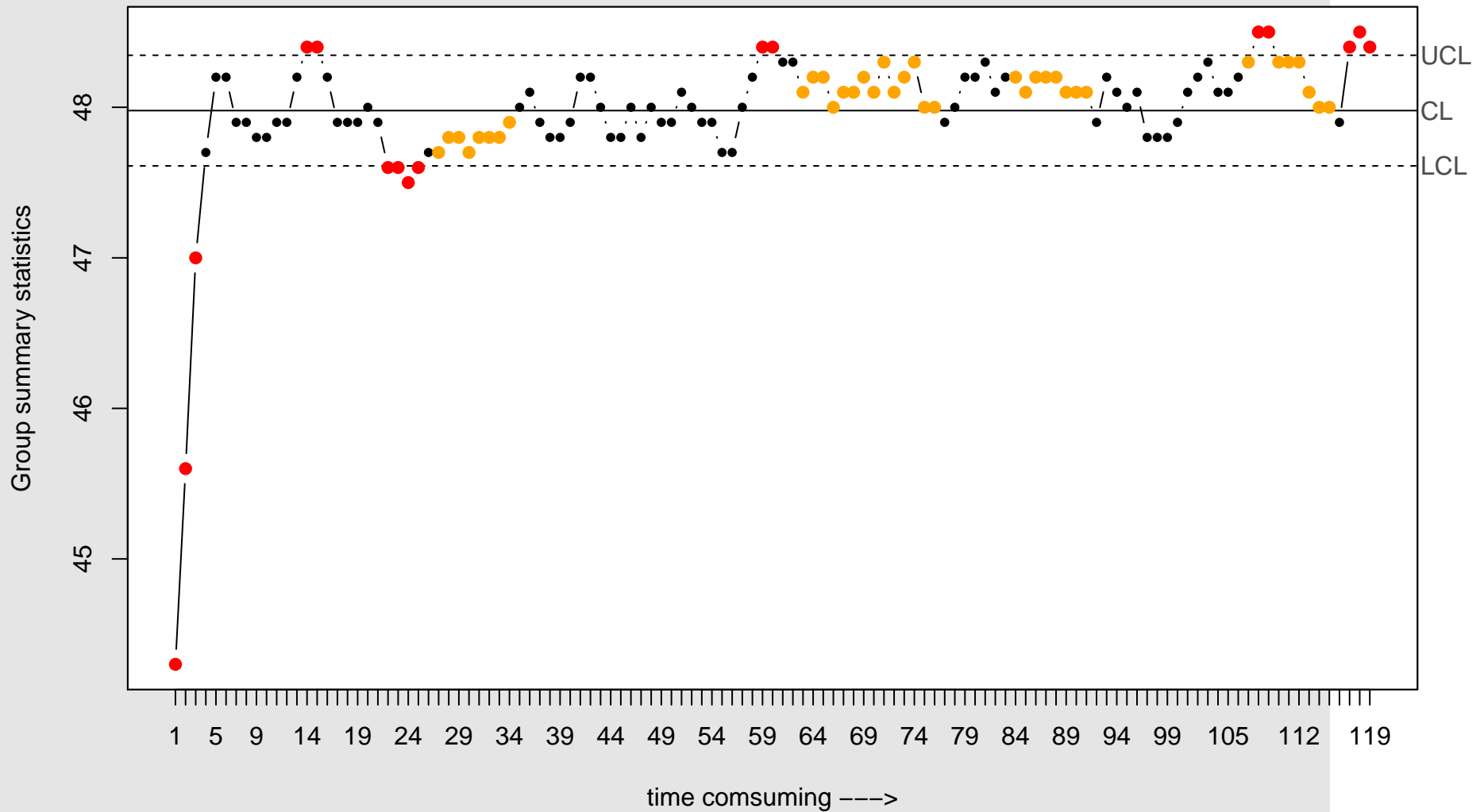
LCL = 47.60714

UCL = 48.3374

Number beyond limits = 19

Number violating runs = 50

# 142th column point of this product



Number of groups = 119

Center = 47.97815

StdDev = 0.1224606

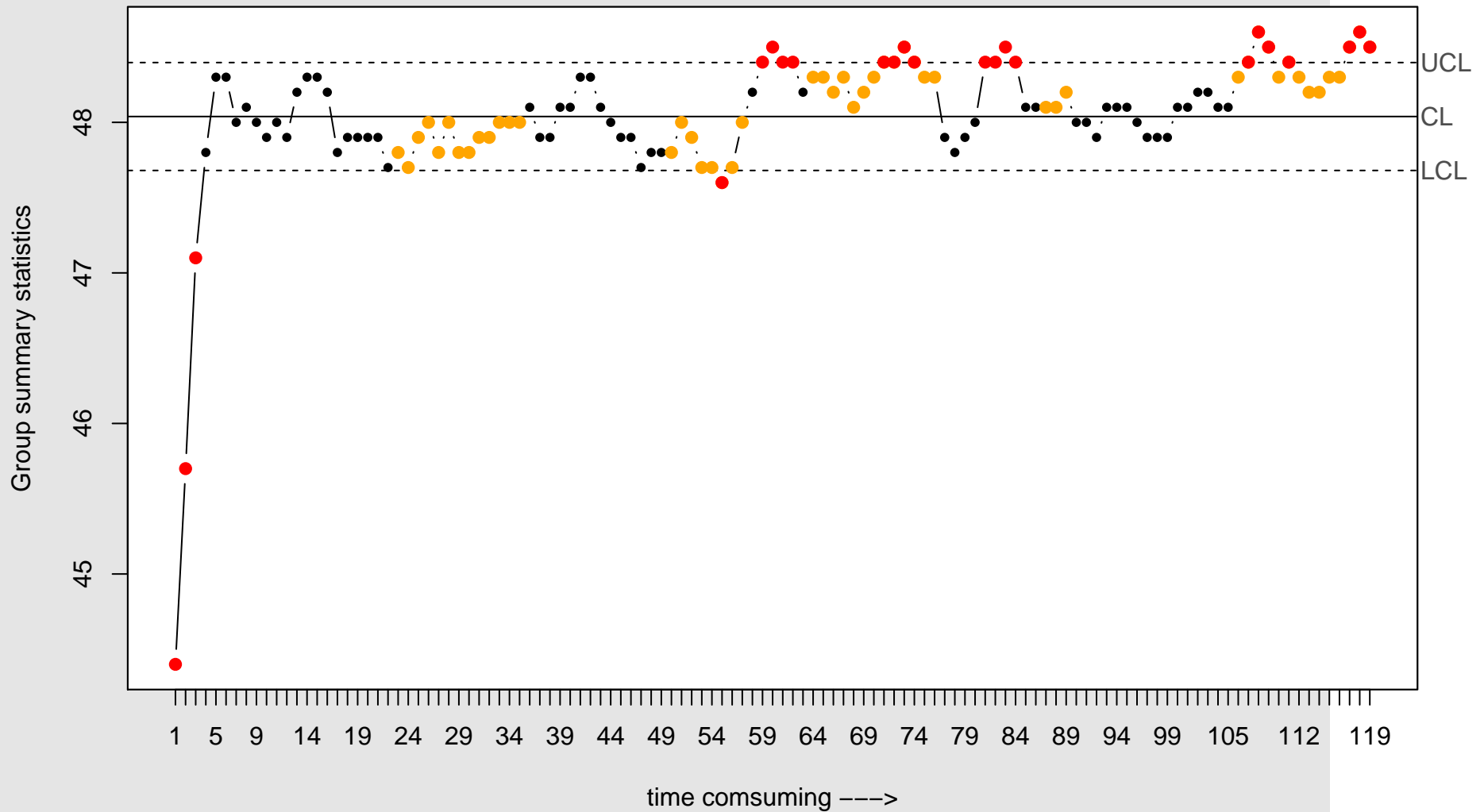
LCL = 47.61077

UCL = 48.34553

Number beyond limits = 16

Number violating runs = 39

# 143th column point of this product



Number of groups = 119

Center = 48.03866

StdDev = 0.1194555

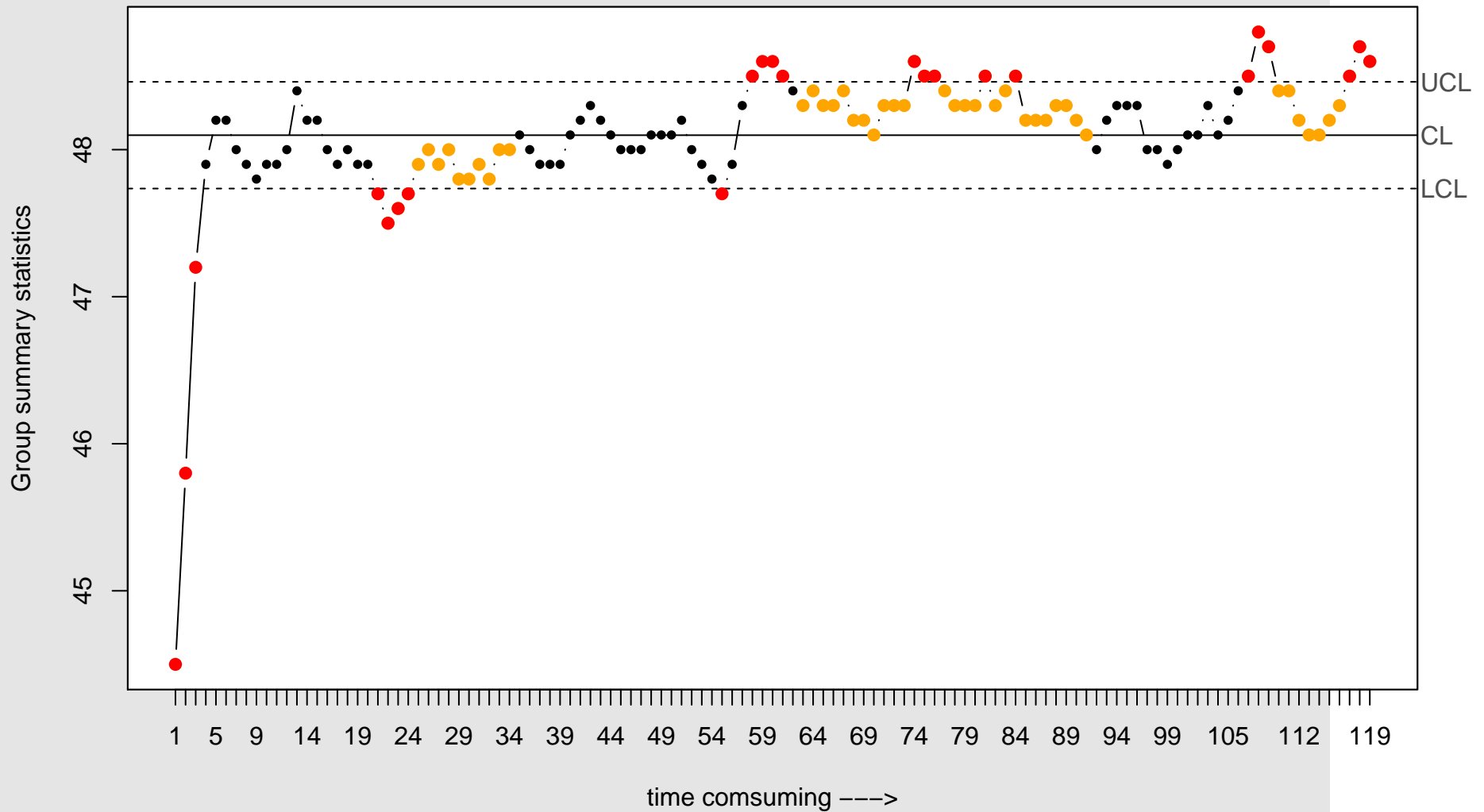
LCL = 47.68029

UCL = 48.39702

Number beyond limits = 23

Number violating runs = 51

# 144th column point of this product



Number of groups = 119

Center = 48.09832

StdDev = 0.120958

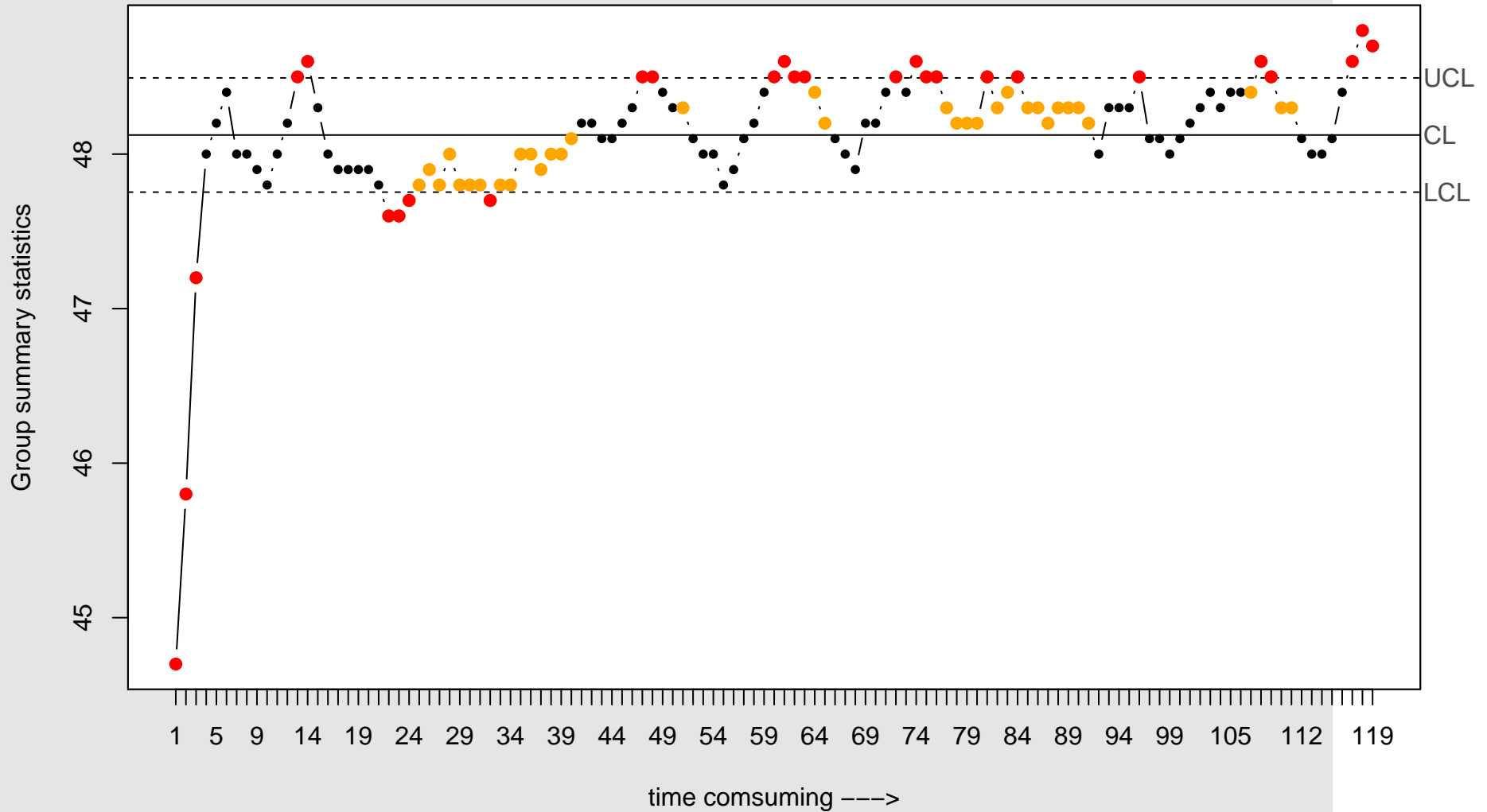
LCL = 47.73545

UCL = 48.46119

Number beyond limits = 23

Number violating runs = 55

# 145th column point of this product



Number of groups = 119

Center = 48.12353

StdDev = 0.1232119

LCL = 47.75389

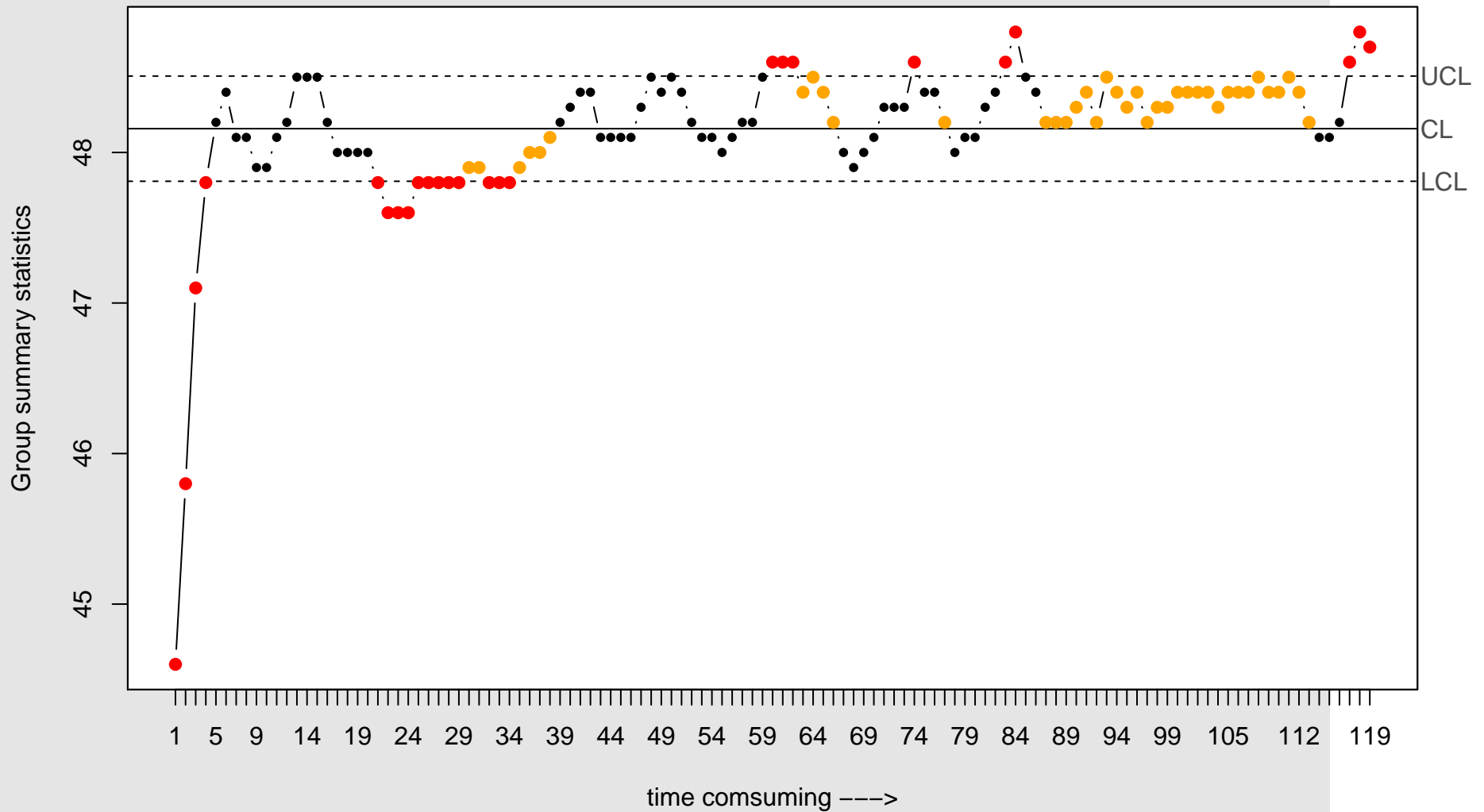
UCL = 48.49317

Number beyond limits = 27

Number violating runs = 44



# 146th column point of this product



Number of groups = 119

Center = 48.15798

StdDev = 0.1164503

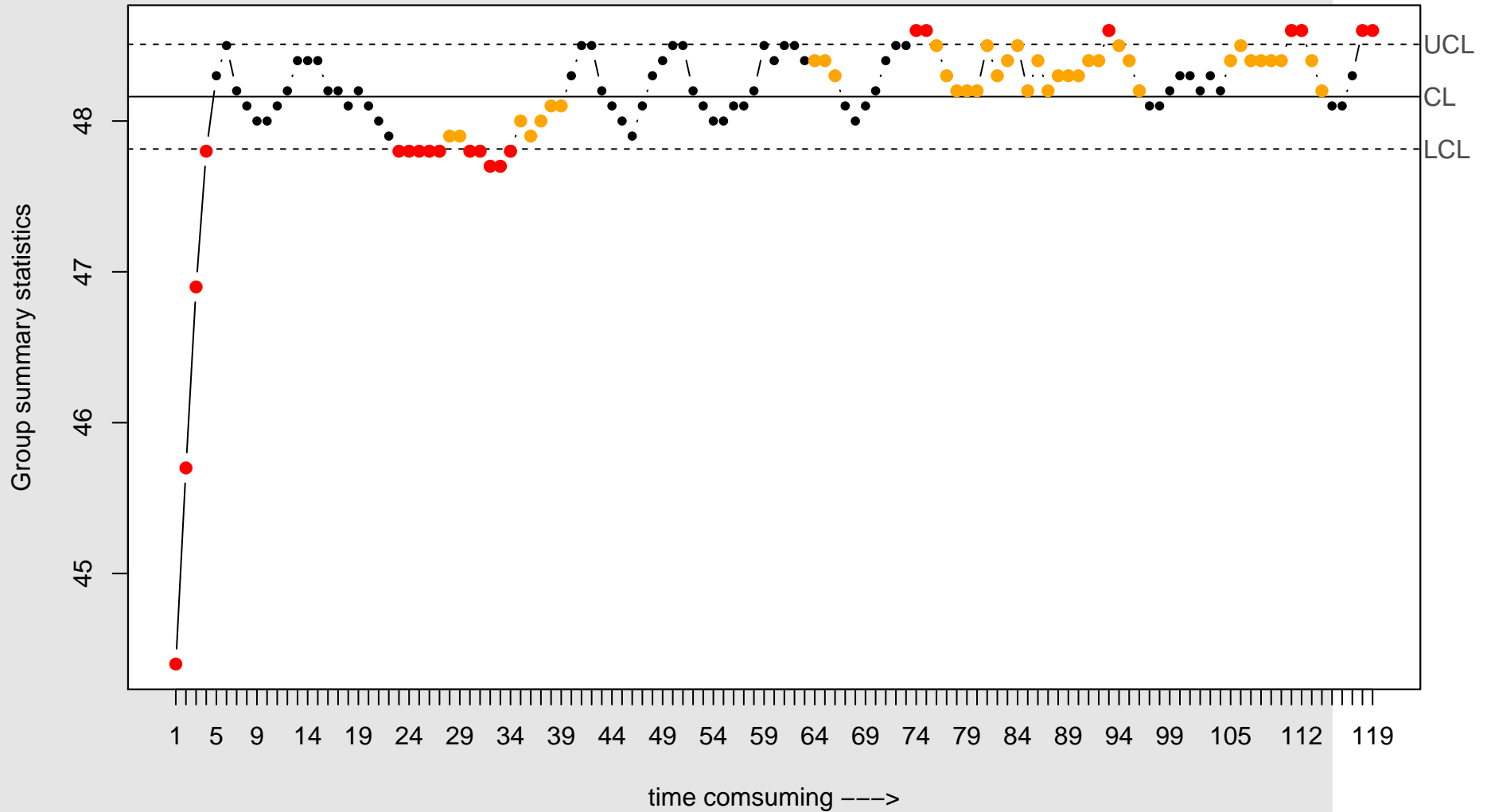
LCL = 47.80863

UCL = 48.50733

Number beyond limits = 25

Number violating runs = 48

# 147th column point of this product



Number of groups = 119

Center = 48.16134

StdDev = 0.115699

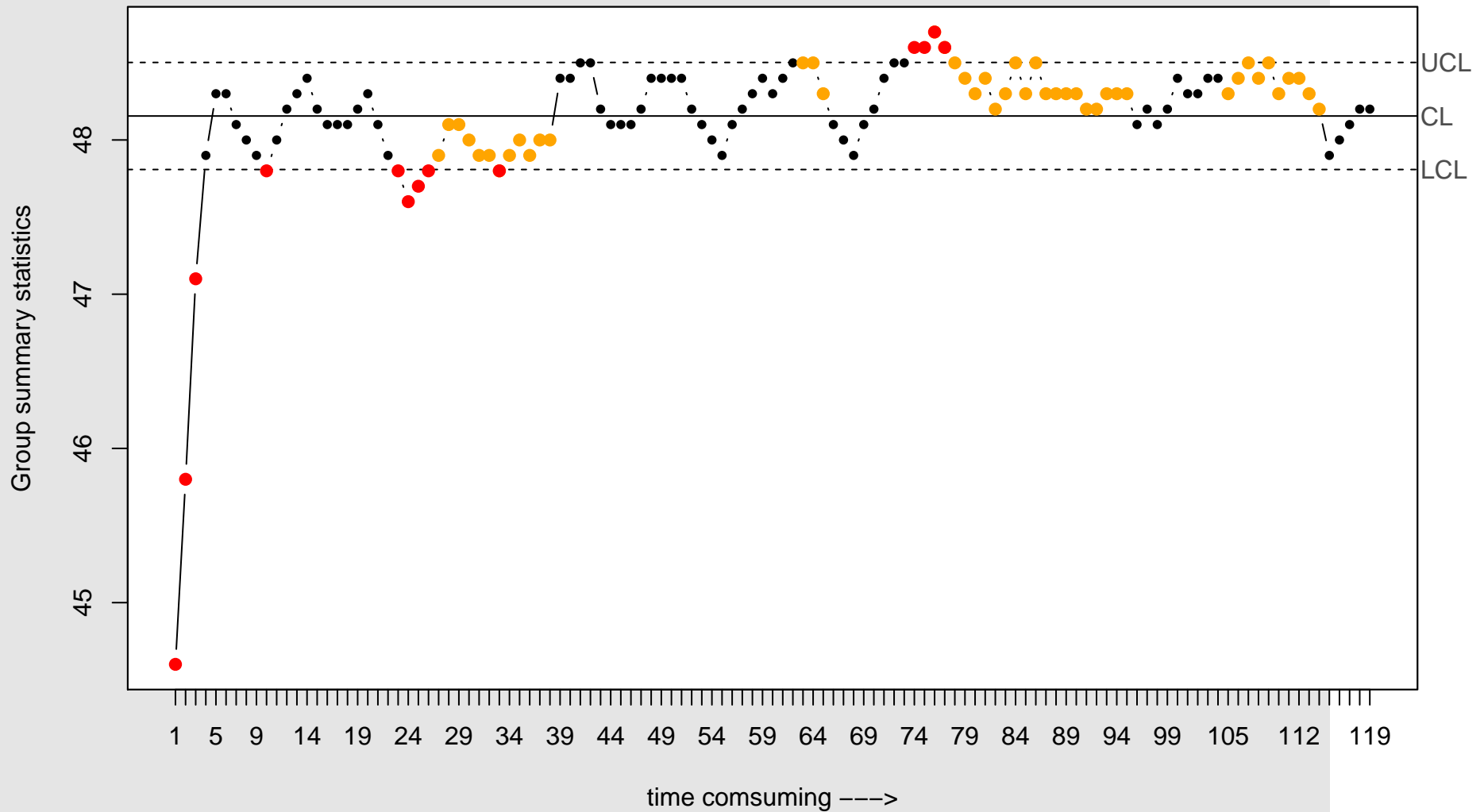
LCL = 47.81425

UCL = 48.50844

Number beyond limits = 21

Number violating runs = 48

# 148th column point of this product



Number of groups = 119

Center = 48.15546

StdDev = 0.115699

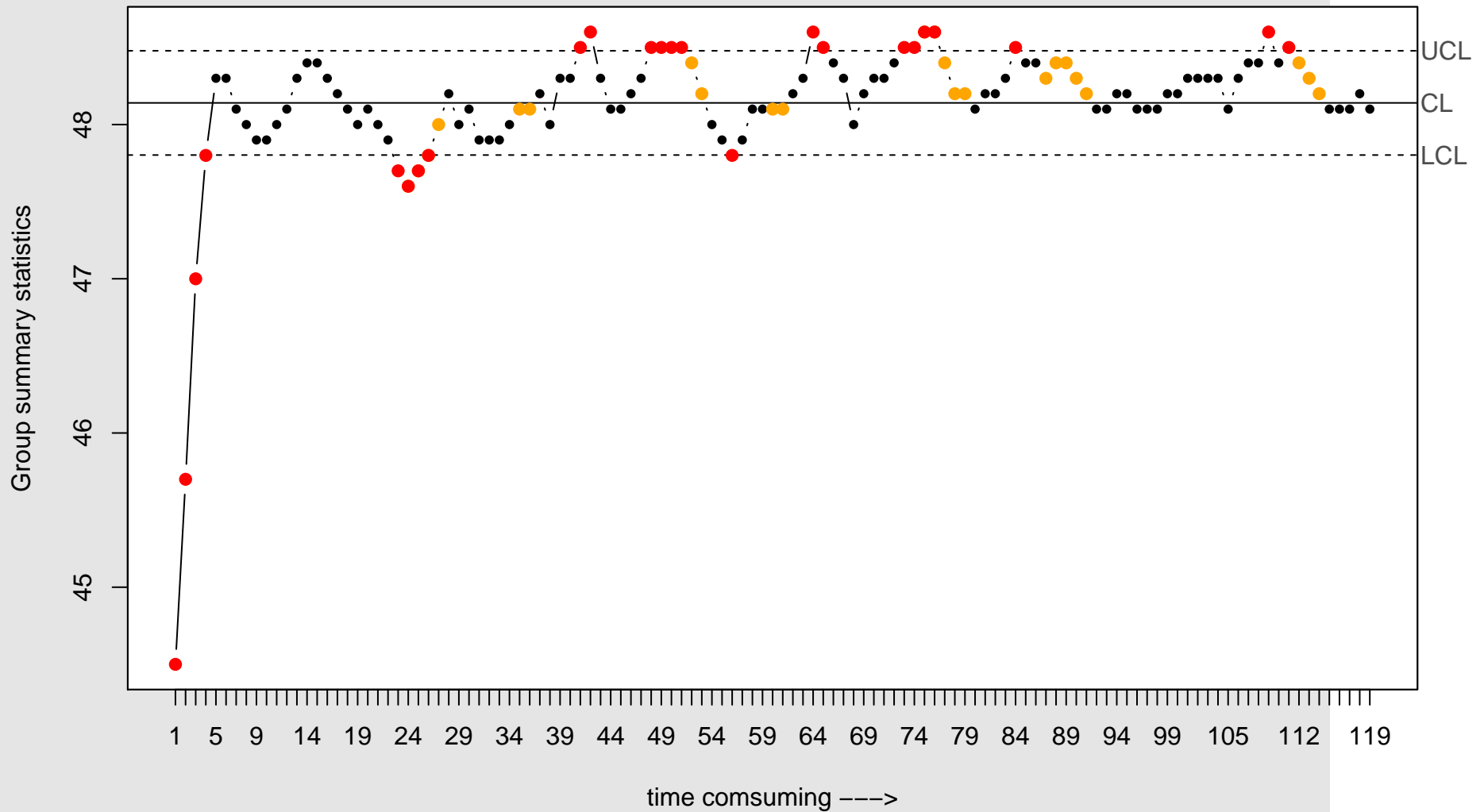
LCL = 47.80837

UCL = 48.50256

Number beyond limits = 13

Number violating runs = 45

# 149th column point of this product



Number of groups = 119

Center = 48.14034

StdDev = 0.1126938

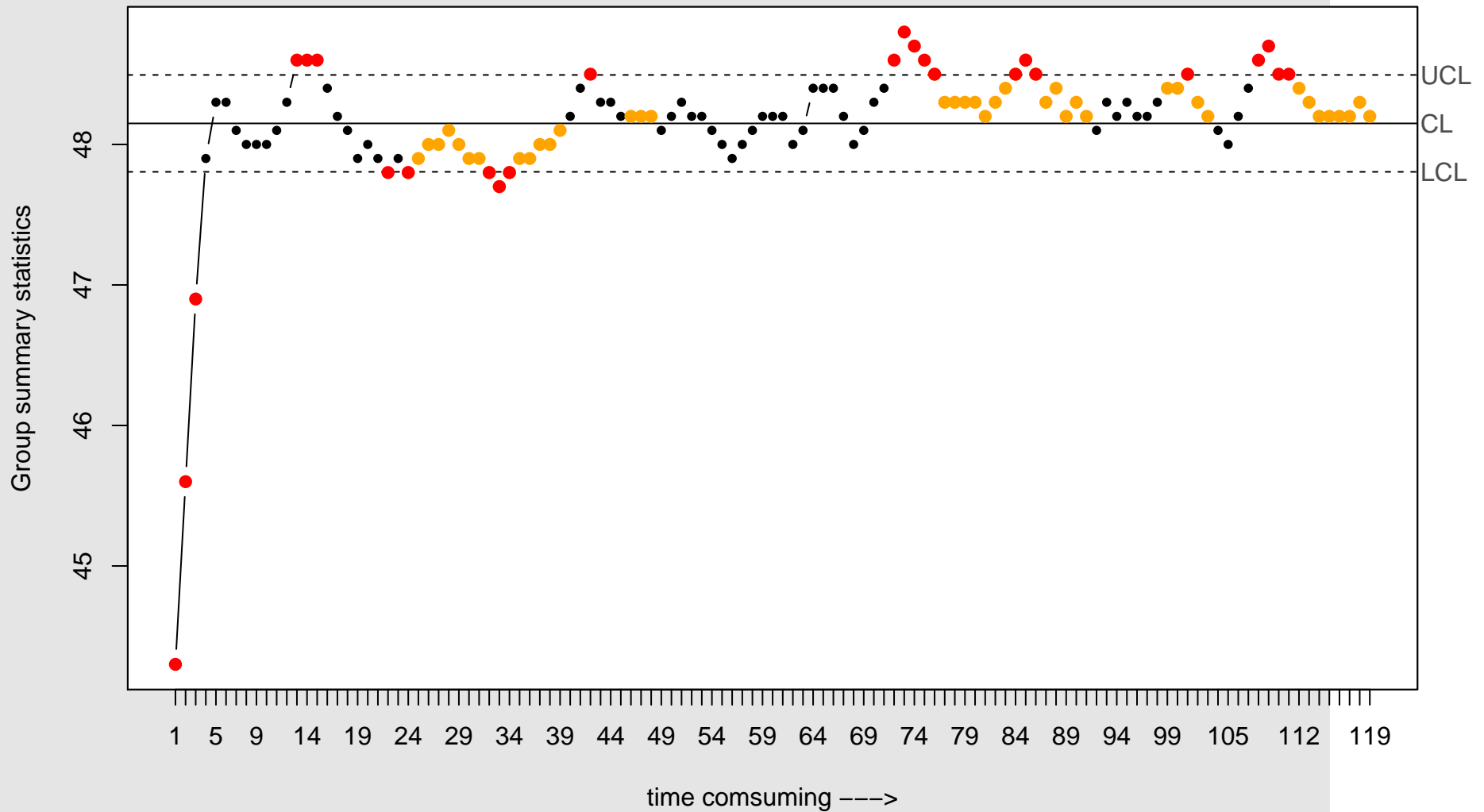
LCL = 47.80225

UCL = 48.47842

Number beyond limits = 24

Number violating runs = 23

# 150th column point of this product

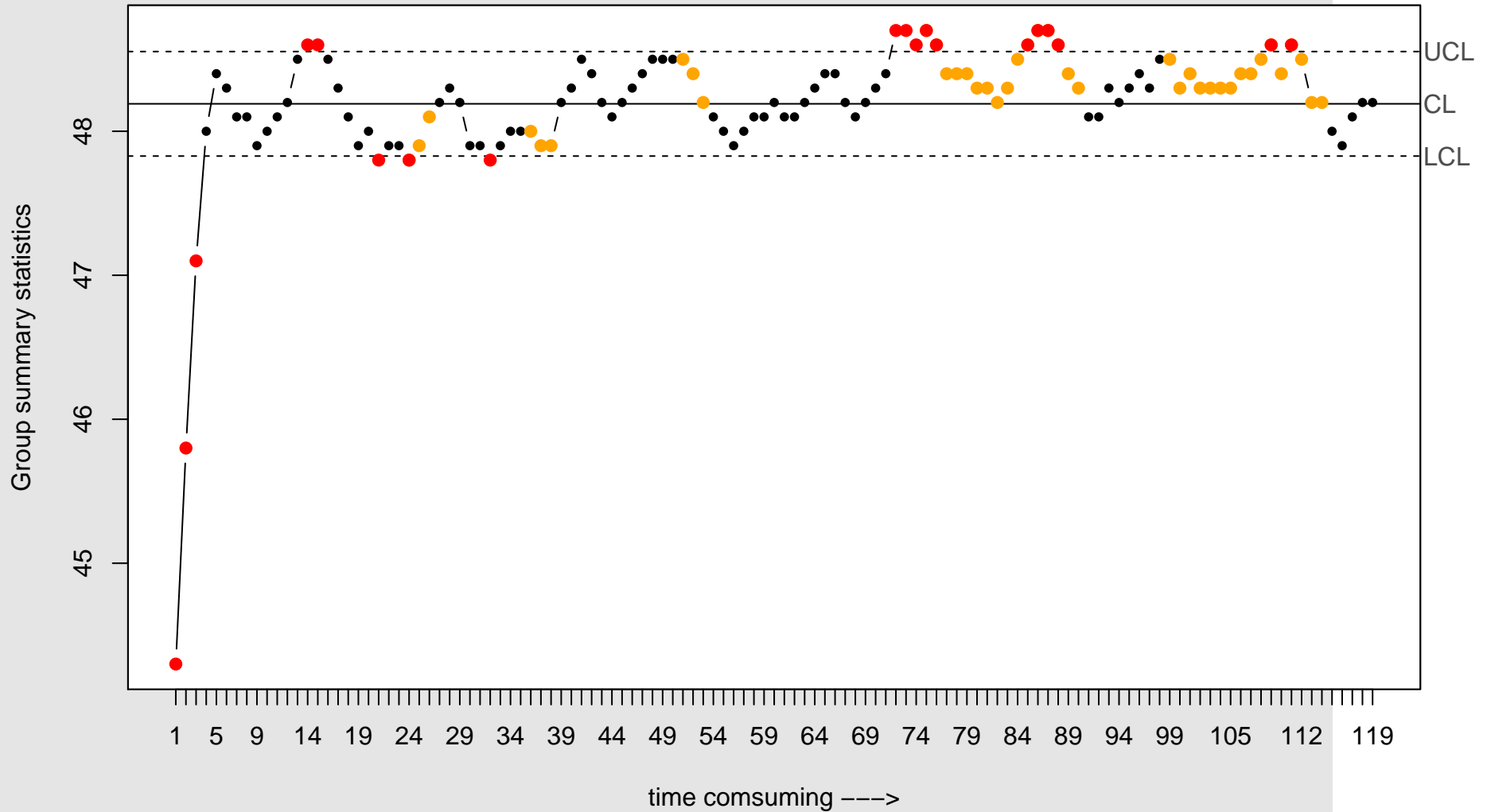


Number of groups = 119  
 Center = 48.14958  
 StdDev = 0.1149477

LCL = 47.80474  
 UCL = 48.49442

Number beyond limits = 25  
 Number violating runs = 48

# 151th column point of this product



Number of groups = 119

Center = 48.19076

StdDev = 0.120958

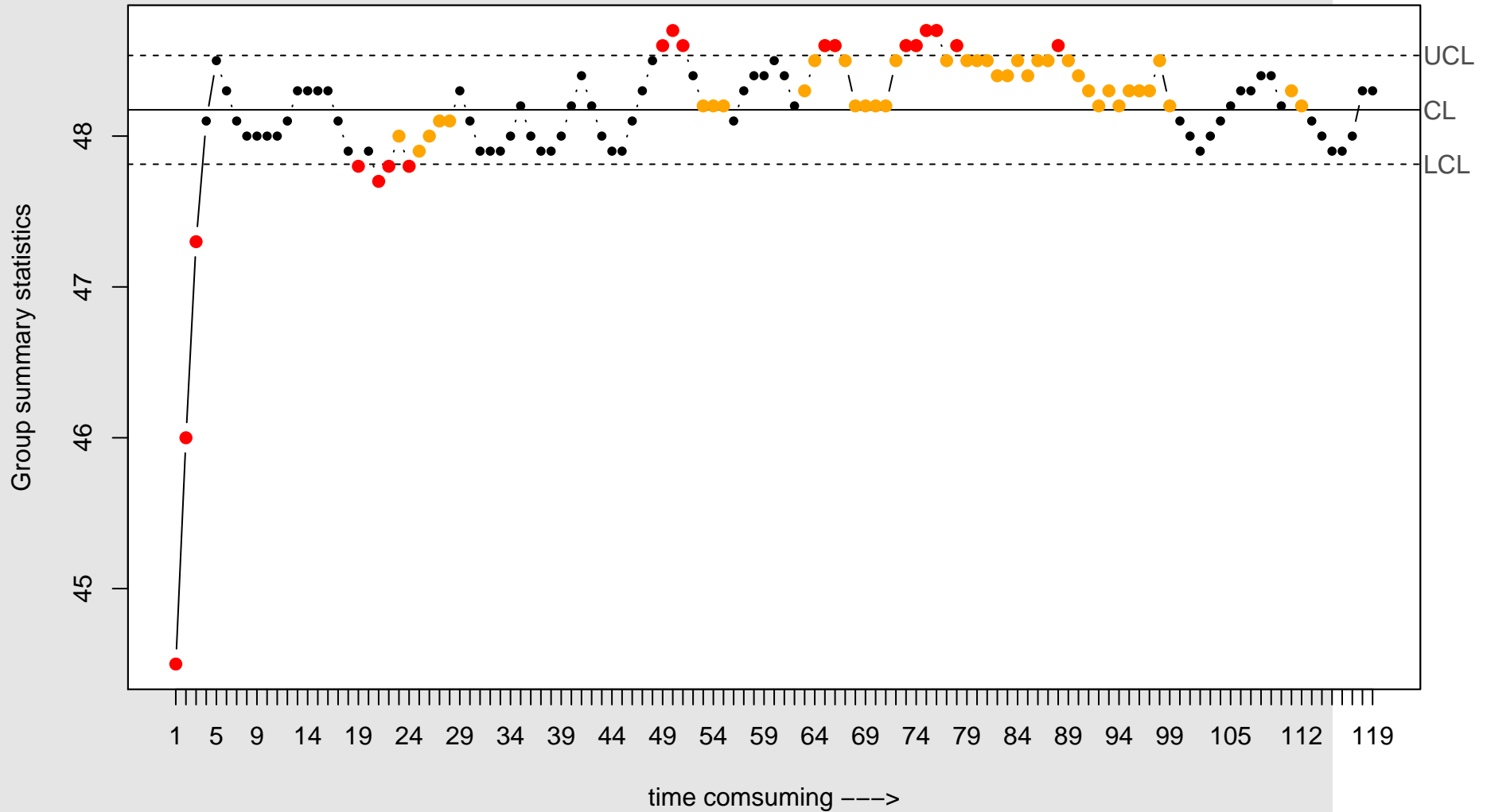
LCL = 47.82788

UCL = 48.55363

Number beyond limits = 19

Number violating runs = 41

# 152th column point of this product



Number of groups = 119

Center = 48.17395

StdDev = 0.1202068

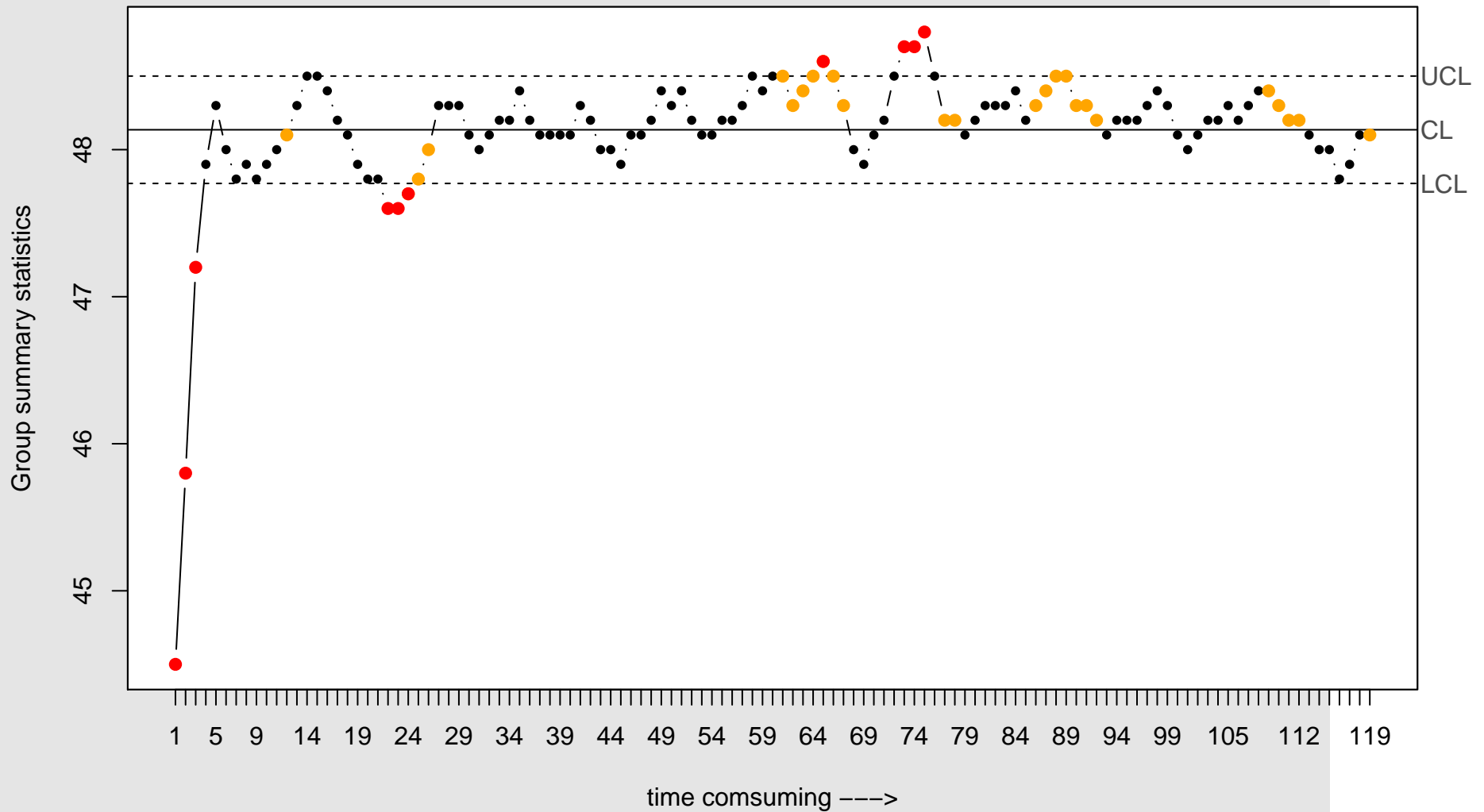
LCL = 47.81333

UCL = 48.53457

Number beyond limits = 18

Number violating runs = 48

# 153th column point of this product



Number of groups = 119

Center = 48.13529

StdDev = 0.1217093

LCL = 47.77017

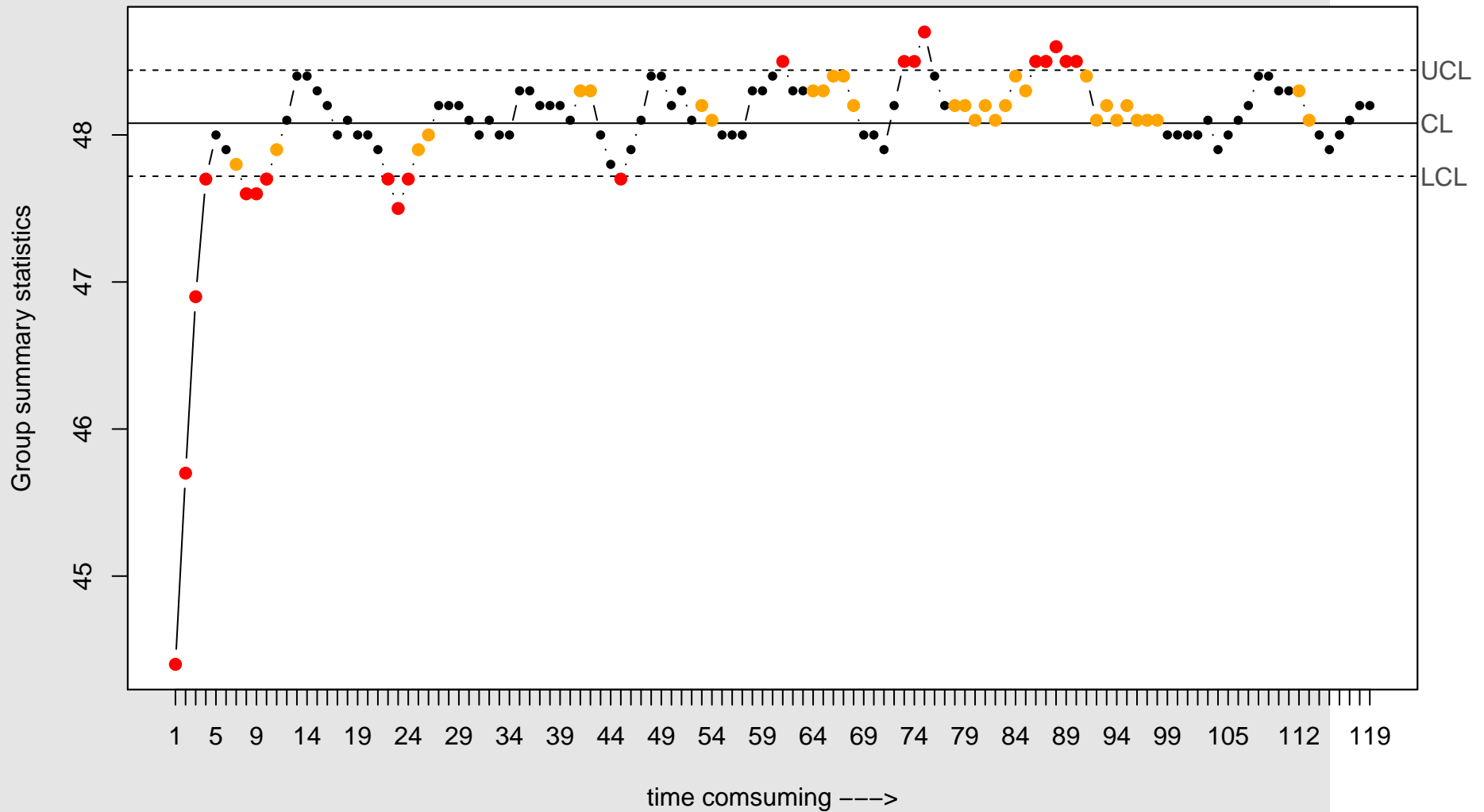
UCL = 48.50042

Number beyond limits = 10

Number violating runs = 25



# 154th column point of this product



Number of groups = 119

Center = 48.07983

StdDev = 0.1202068

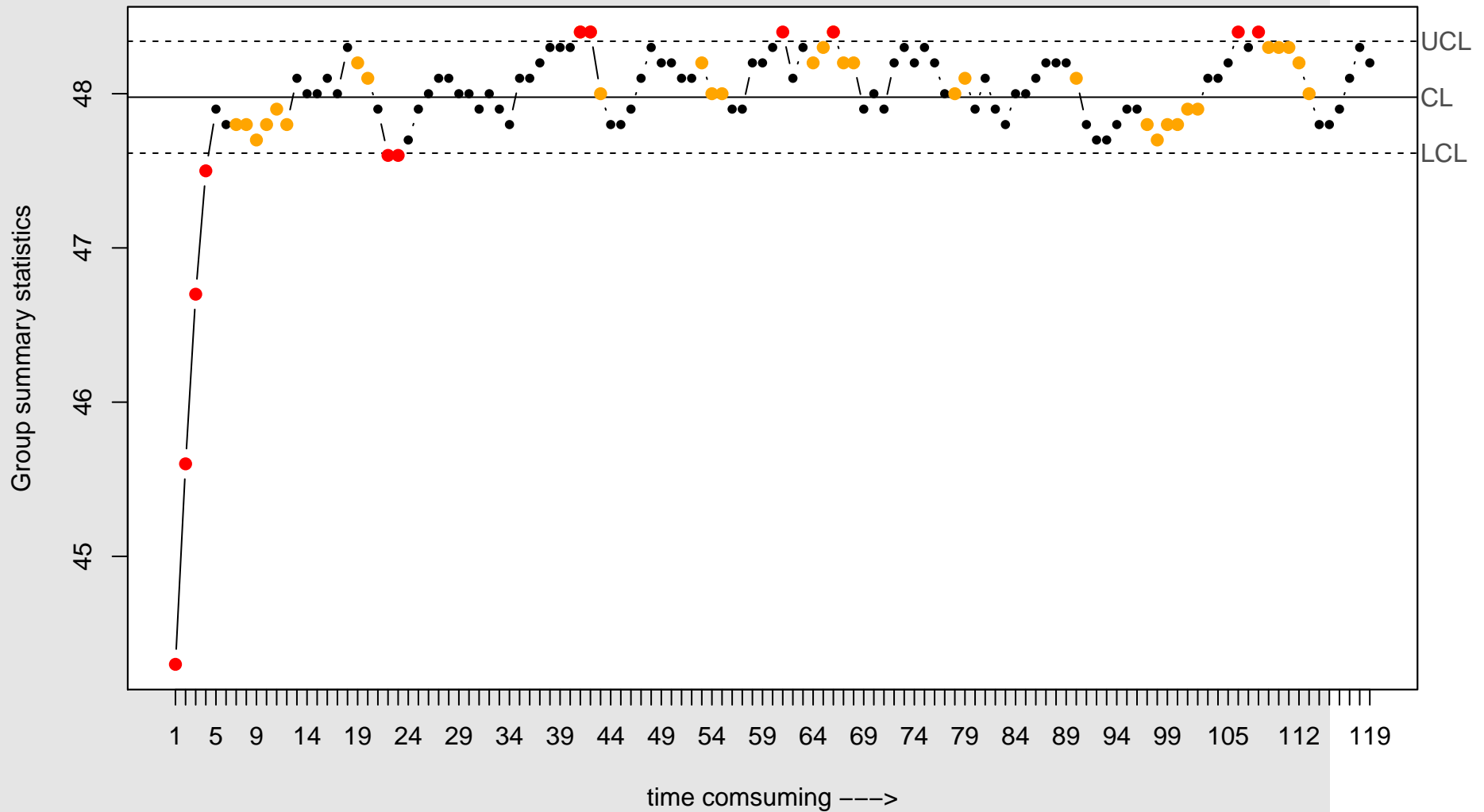
LCL = 47.71921

UCL = 48.44045

Number beyond limits = 20

Number violating runs = 39

# 155th column point of this product



Number of groups = 119

Center = 47.97731

StdDev = 0.120958

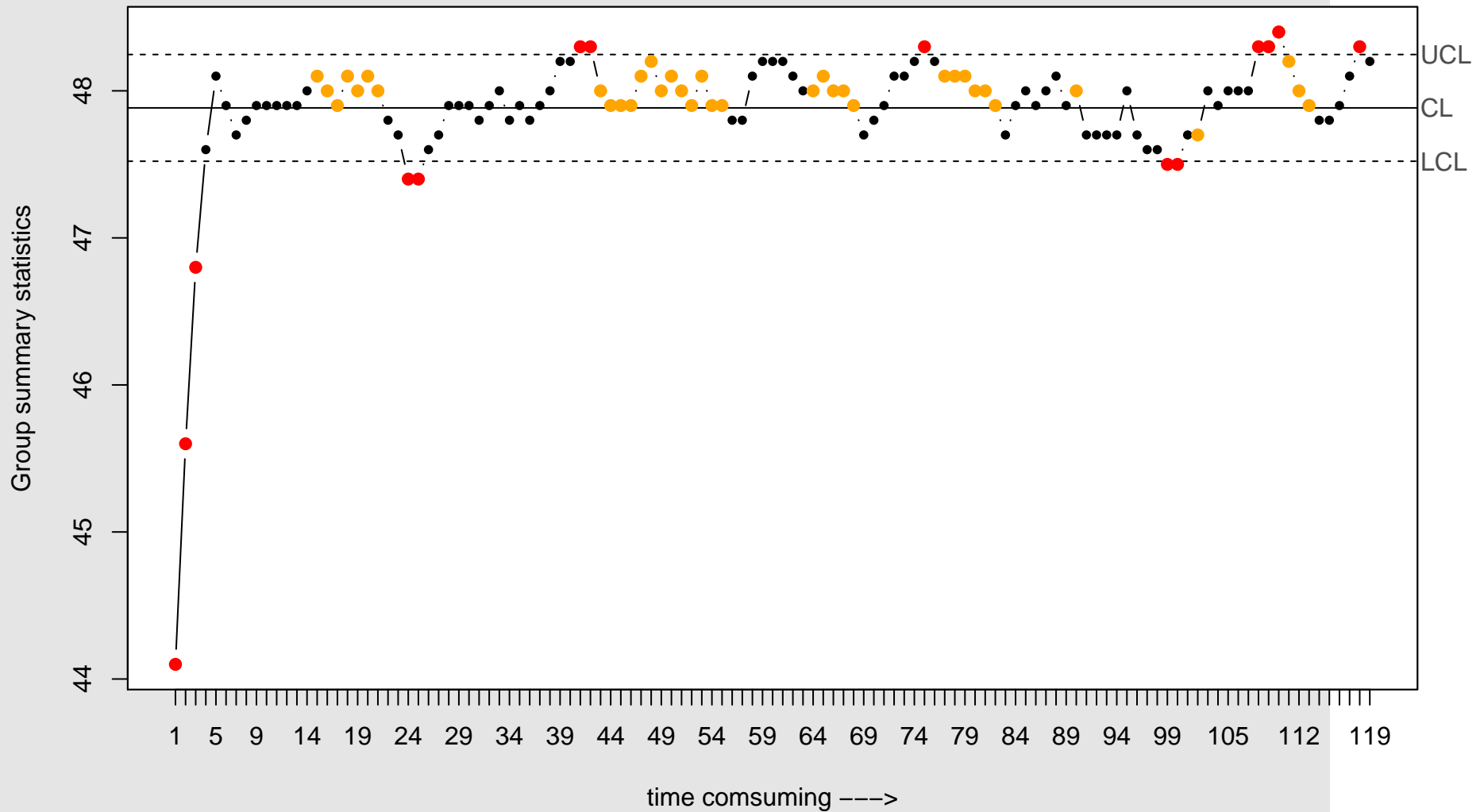
LCL = 47.61444

UCL = 48.34019

Number beyond limits = 12

Number violating runs = 33

# 156th column point of this product



Number of groups = 119

Center = 47.88403

StdDev = 0.120958

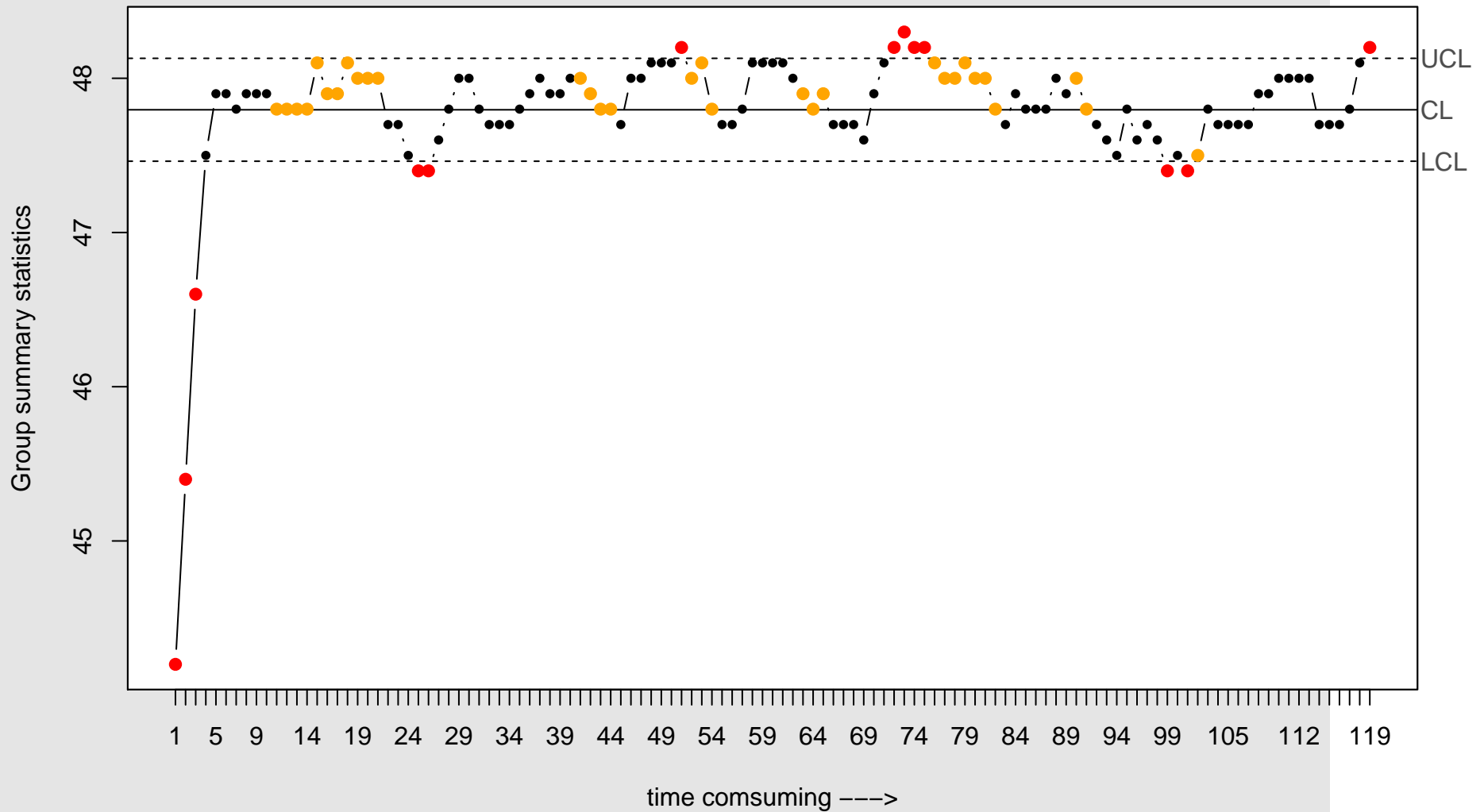
LCL = 47.52116

UCL = 48.24691

Number beyond limits = 14

Number violating runs = 38

# 157th column point of this product



Number of groups = 119

Center = 47.7958

StdDev = 0.1111912

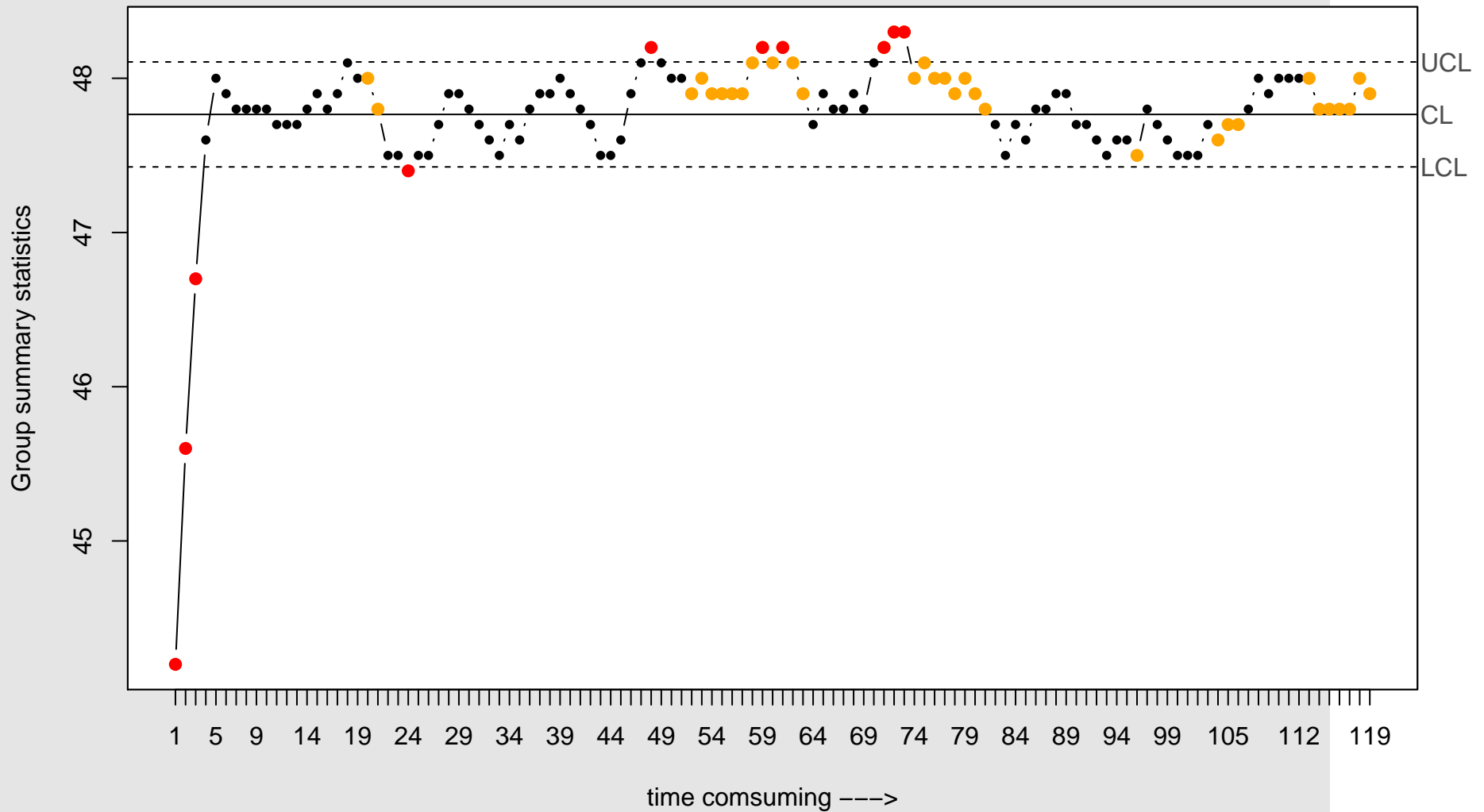
LCL = 47.46222

UCL = 48.12937

Number beyond limits = 13

Number violating runs = 31

# 158th column point of this product



Number of groups = 119

Center = 47.76555

StdDev = 0.1134451

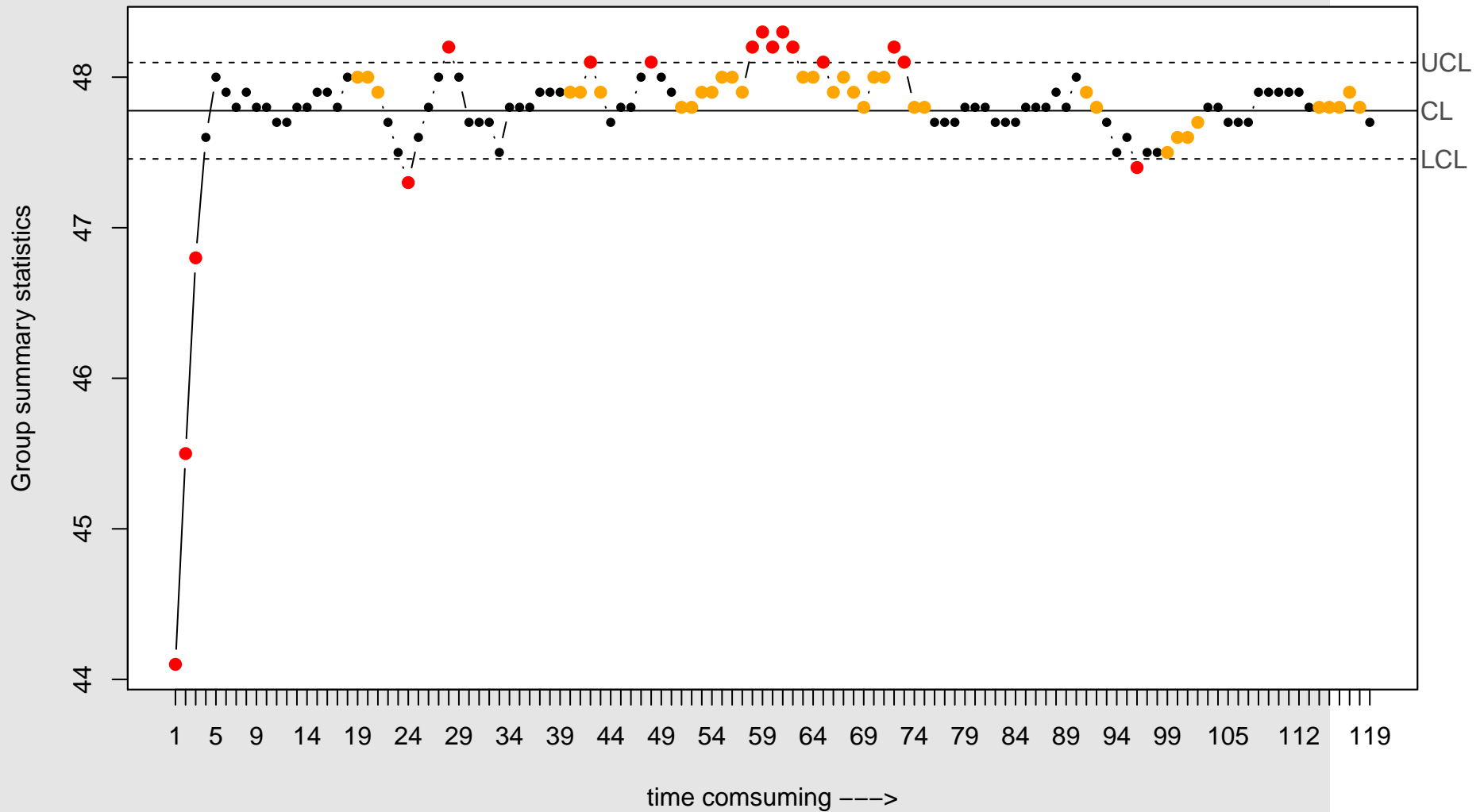
LCL = 47.42521

UCL = 48.10588

Number beyond limits = 10

Number violating runs = 36

# 159th column point of this product

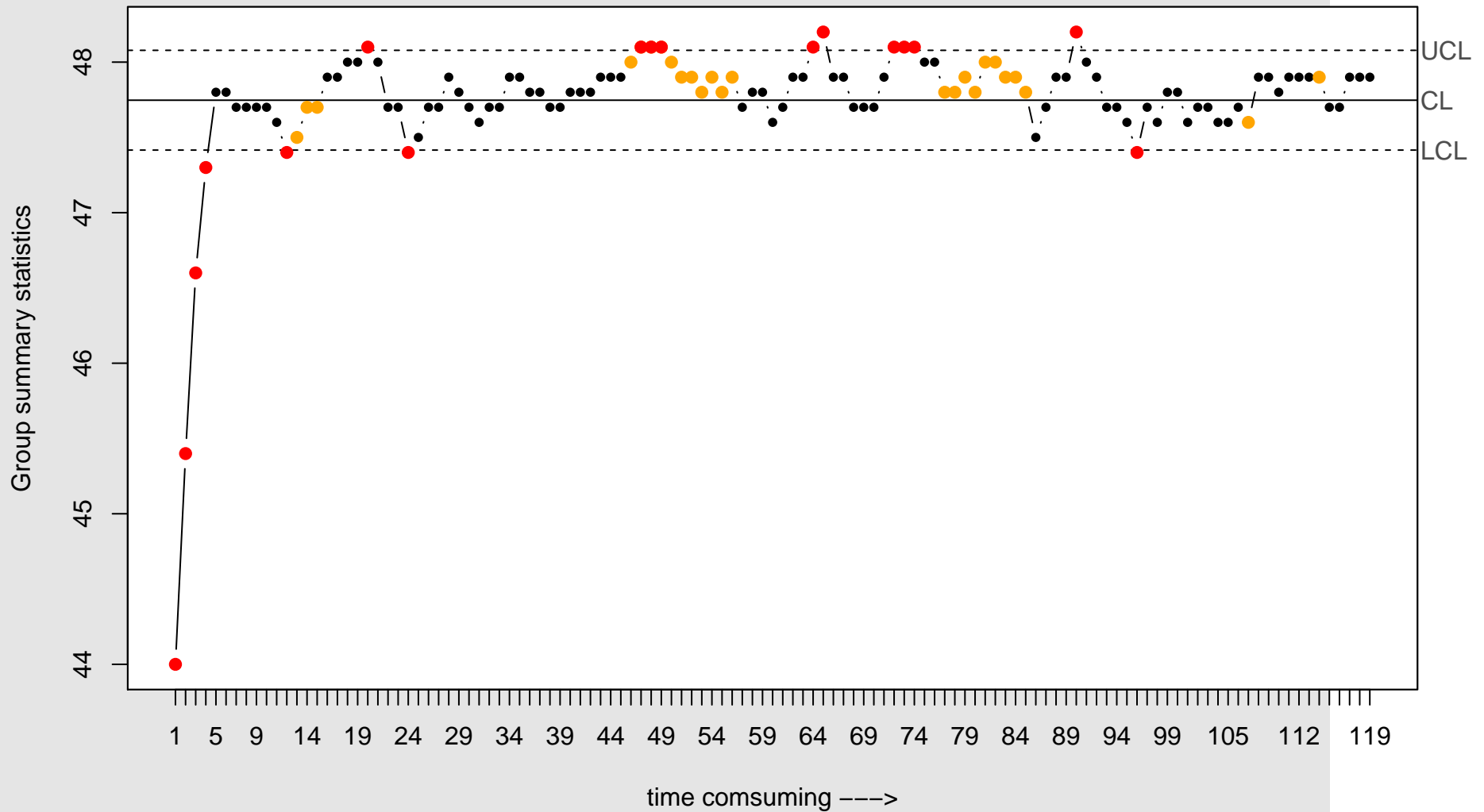


Number of groups = 119  
Center = 47.77731  
StdDev = 0.1066835

LCL = 47.45726  
UCL = 48.09736

Number beyond limits = 16  
Number violating runs = 43

# 160th column point of this product



Number of groups = 119

Center = 47.74706

StdDev = 0.11044

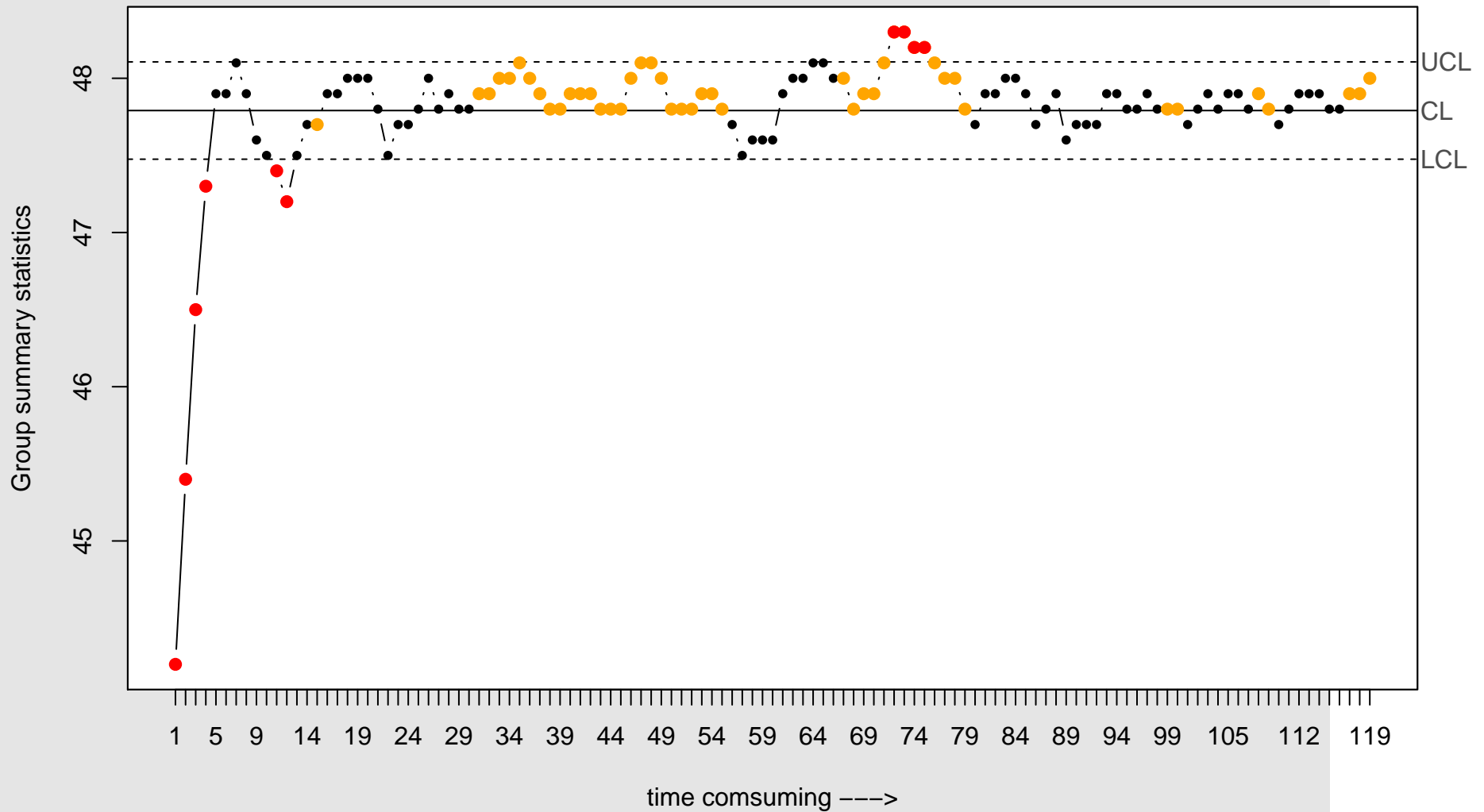
LCL = 47.41574

UCL = 48.07838

Number beyond limits = 17

Number violating runs = 25

# 161th column point of this product



Number of groups = 119

Center = 47.79076

StdDev = 0.1051809

LCL = 47.47521

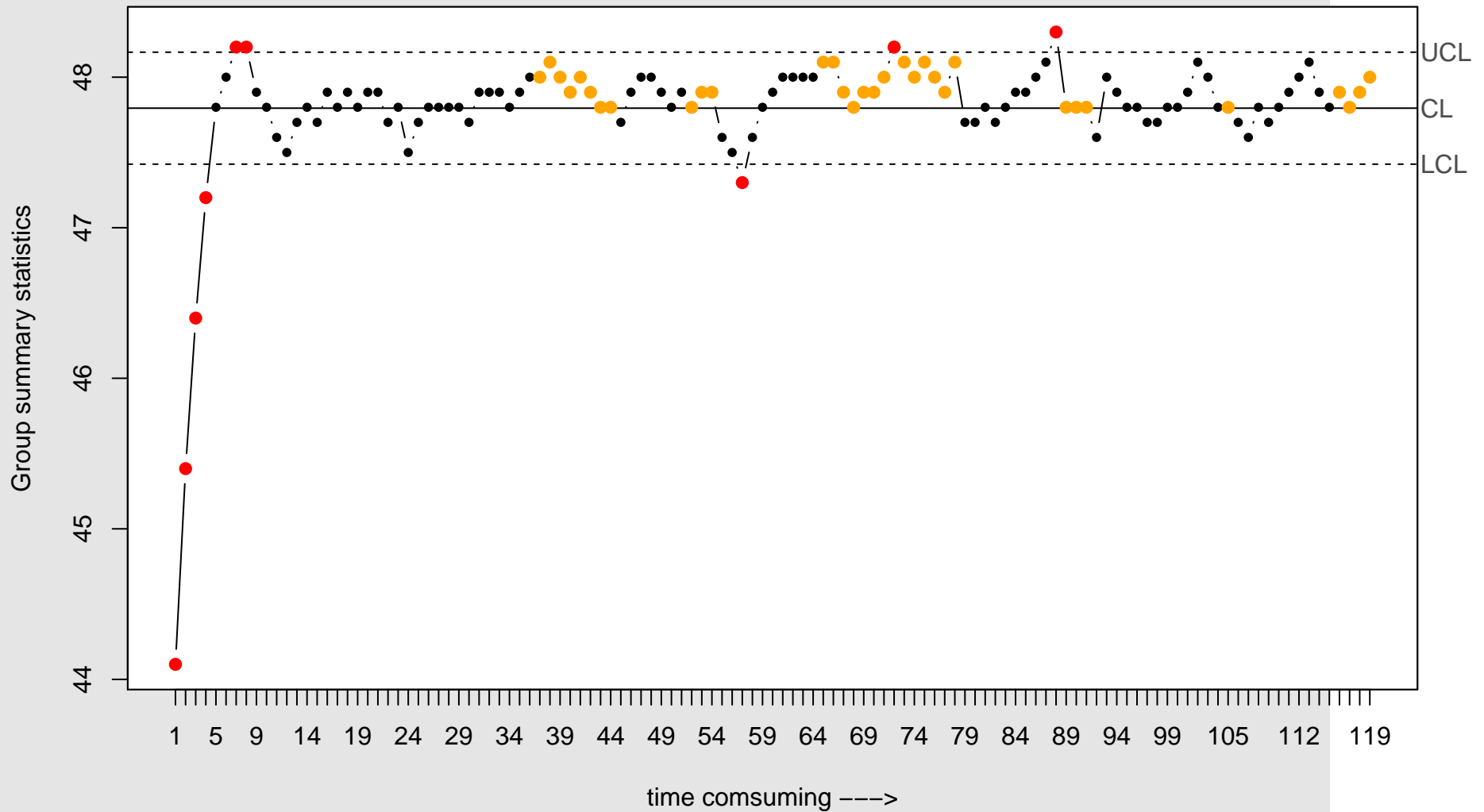
UCL = 48.1063

Number beyond limits = 10

Number violating runs = 46



# 162th column point of this product



Number of groups = 119

Center = 47.79412

StdDev = 0.1239632

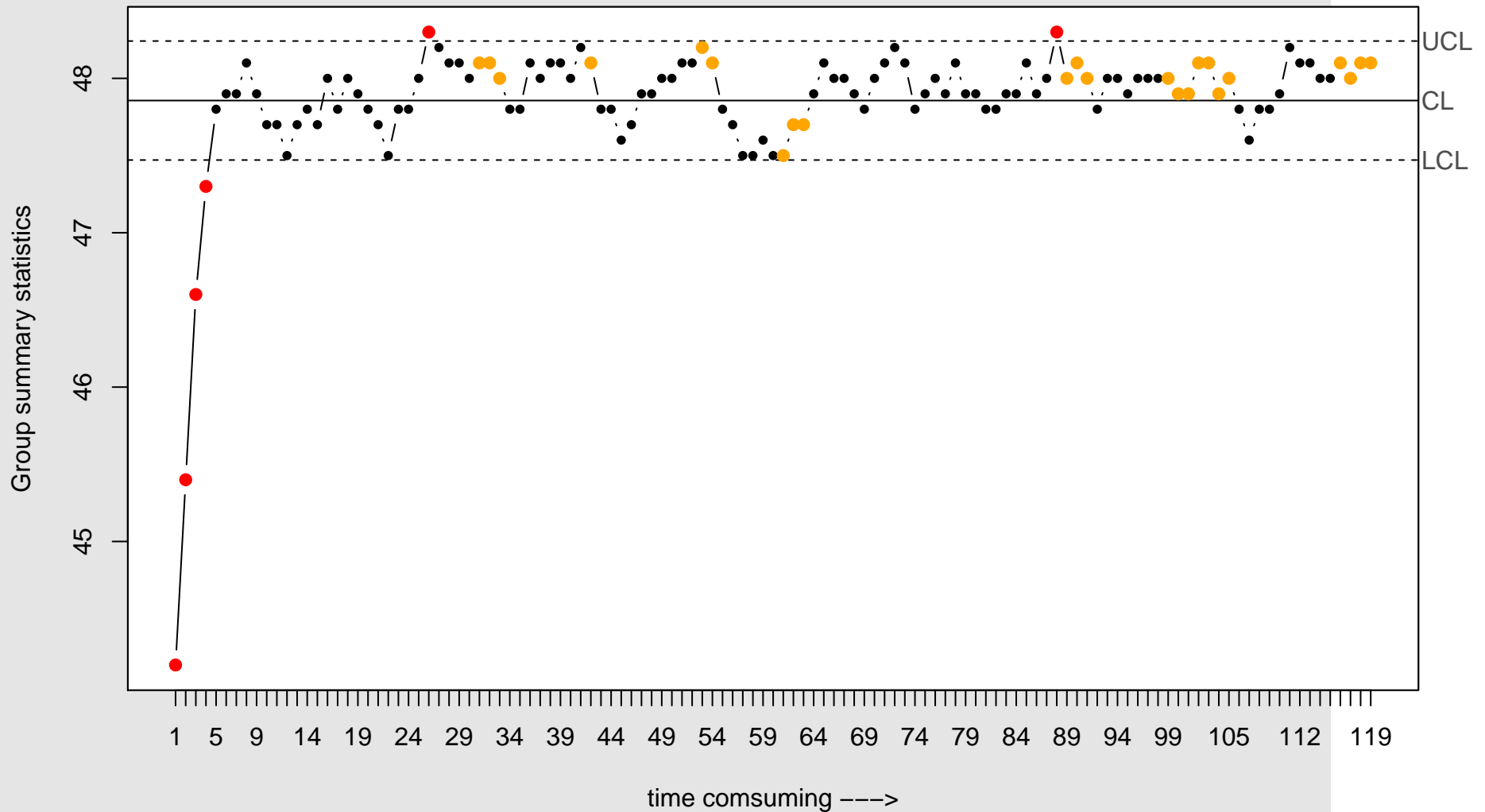
LCL = 47.42223

UCL = 48.16601

Number beyond limits = 9

Number violating runs = 33

# 163th column point of this product



Number of groups = 119

Center = 47.8563

StdDev = 0.128471

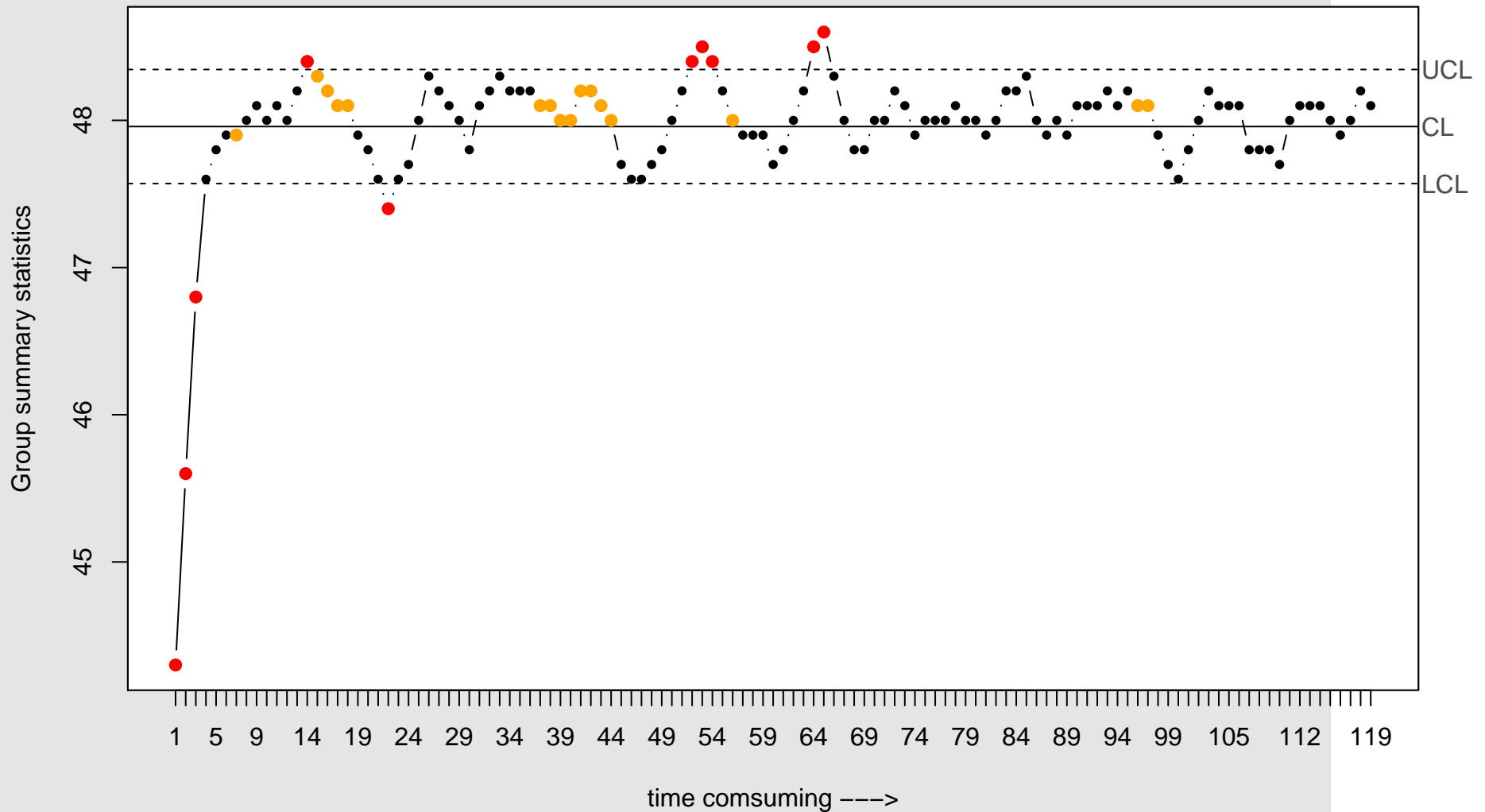
LCL = 47.47089

UCL = 48.24172

Number beyond limits = 6

Number violating runs = 23

# 164th column point of this product



Number of groups = 119

Center = 47.95798

StdDev = 0.1292223

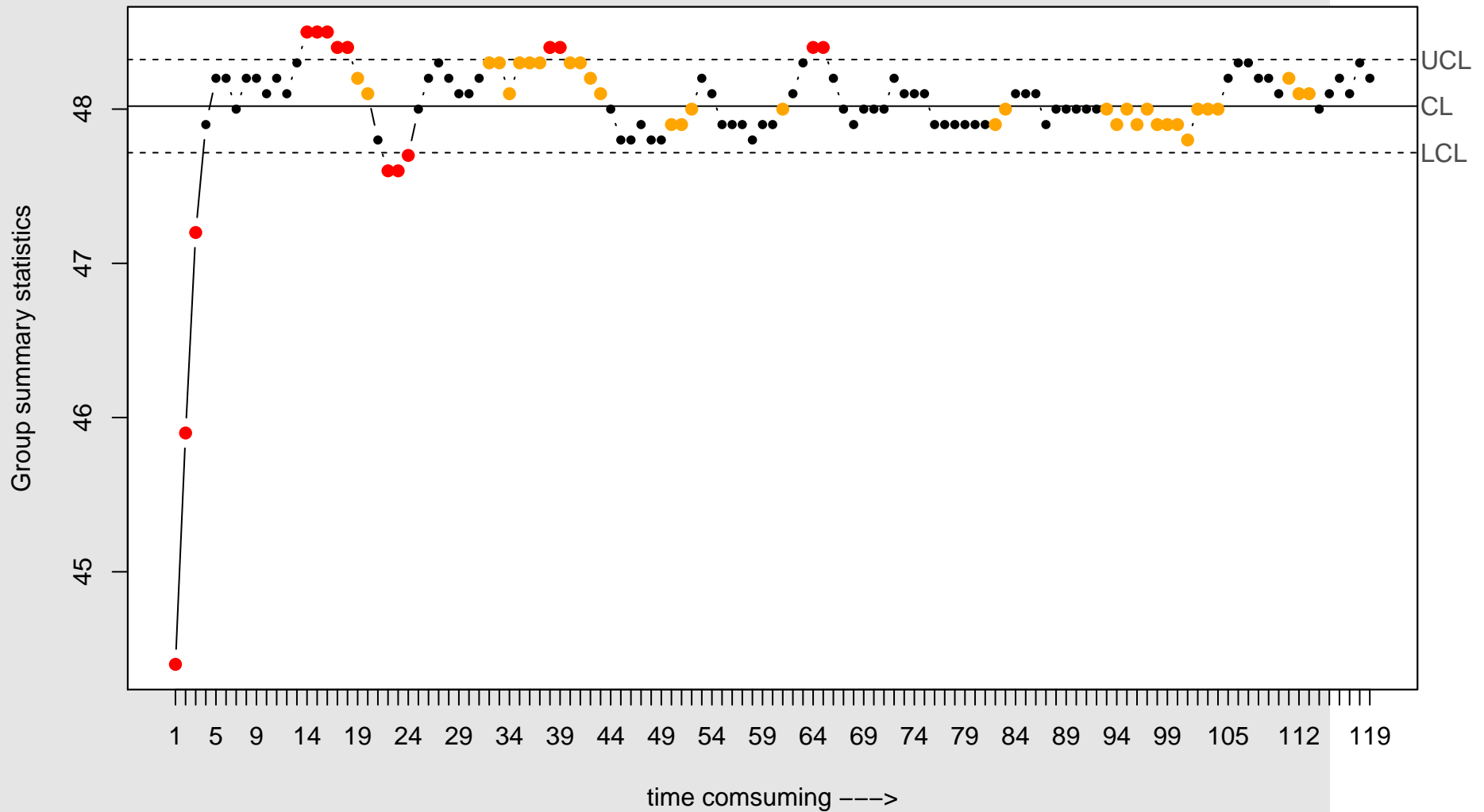
LCL = 47.57032

UCL = 48.34565

Number beyond limits = 10

Number violating runs = 17

# 165th column point of this product



Number of groups = 119

Center = 48.01933

StdDev = 0.1006732

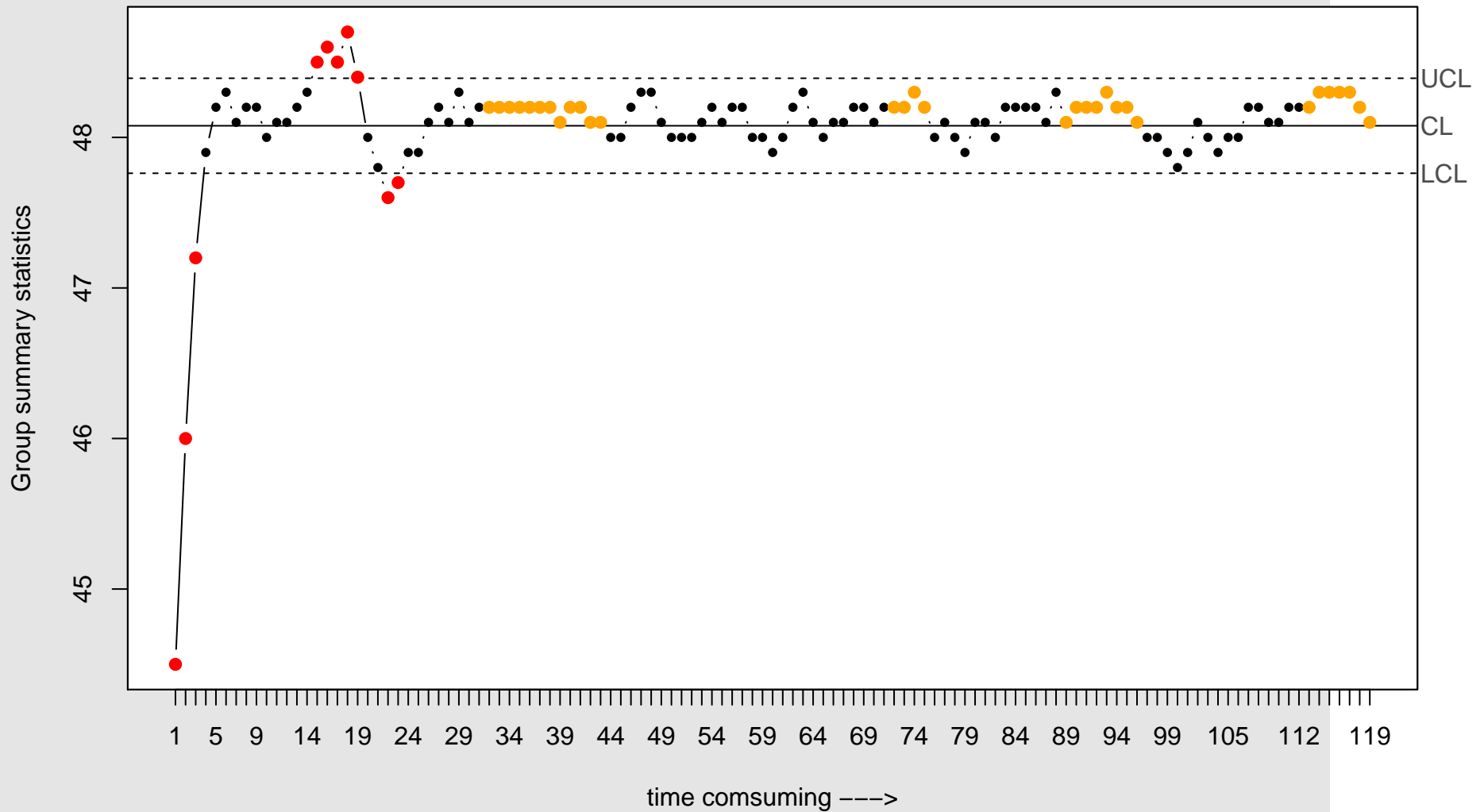
LCL = 47.71731

UCL = 48.32135

Number beyond limits = 15

Number violating runs = 40

# 166th column point of this product



Number of groups = 119

Center = 48.07731

StdDev = 0.1051809

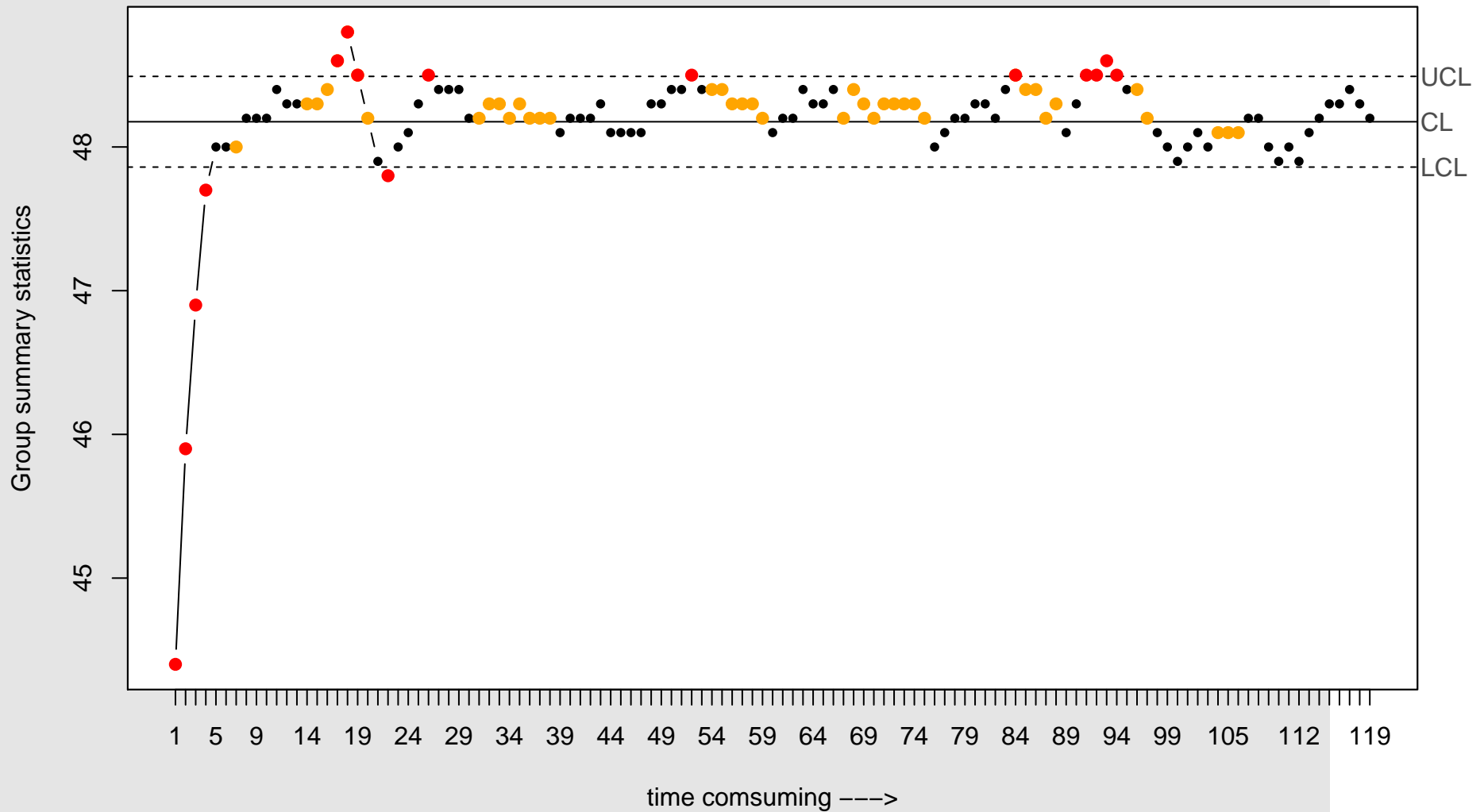
LCL = 47.76177

UCL = 48.39285

Number beyond limits = 10

Number violating runs = 34

# 167th column point of this product



Number of groups = 119

Center = 48.17563

StdDev = 0.1051809

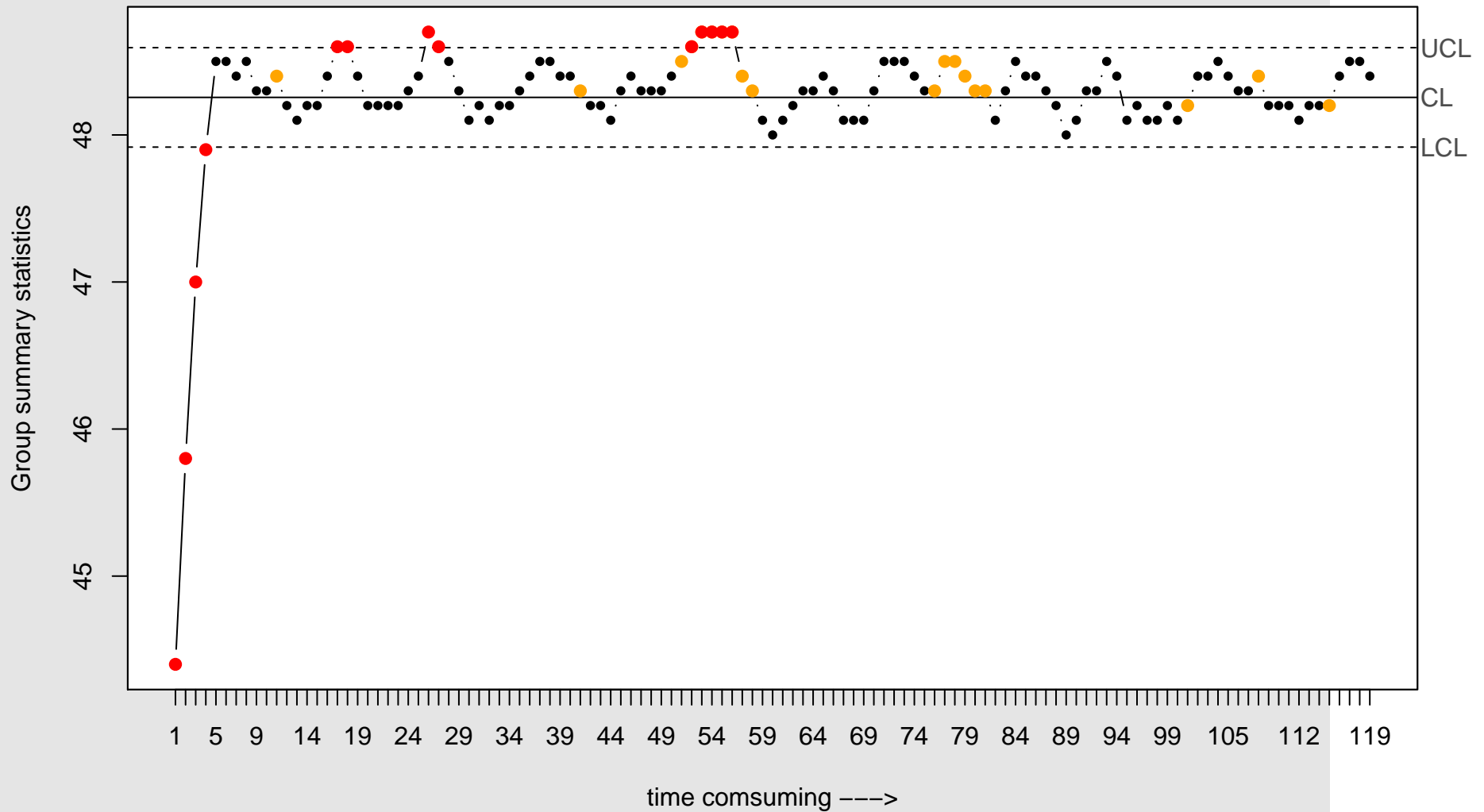
LCL = 47.86009

UCL = 48.49117

Number beyond limits = 15

Number violating runs = 41

# 168th column point of this product



Number of groups = 119

Center = 48.25546

StdDev = 0.1126938

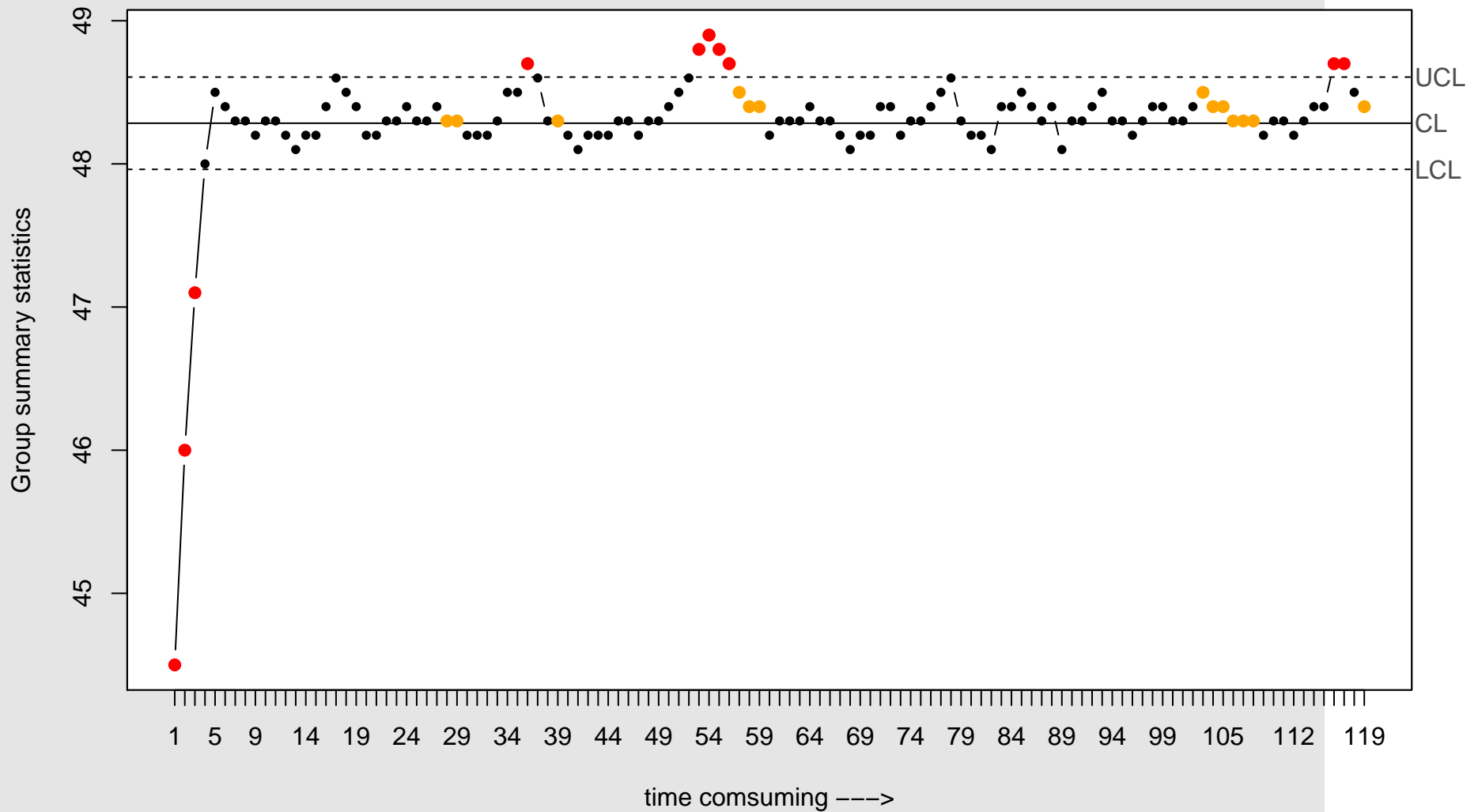
LCL = 47.91738

UCL = 48.59354

Number beyond limits = 13

Number violating runs = 19

# 169th column point of this product



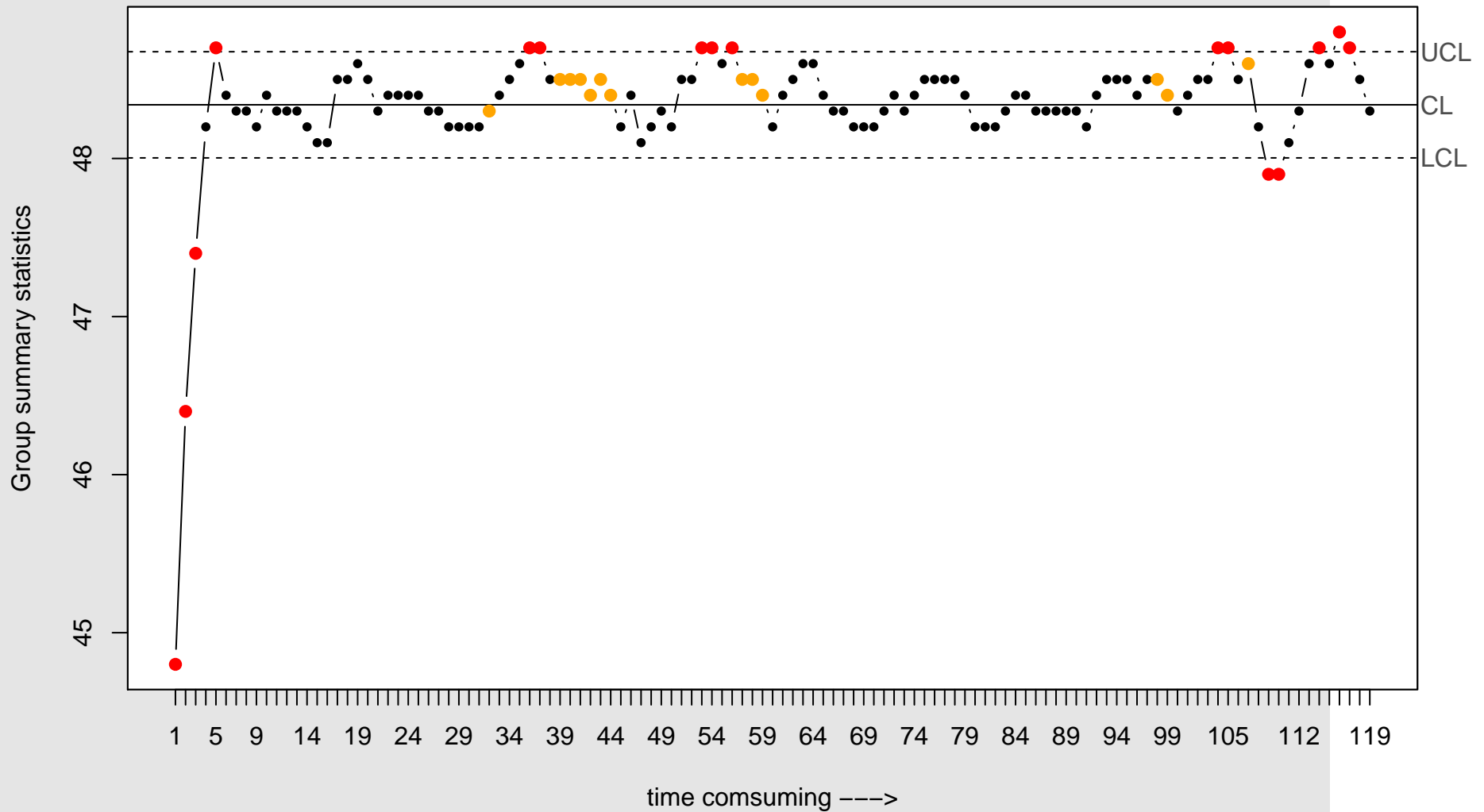
Number of groups = 119  
Center = 48.28403  
StdDev = 0.1074348

LCL = 47.96173  
UCL = 48.60634

Number beyond limits = 10  
Number violating runs = 16



# 170th column point of this product

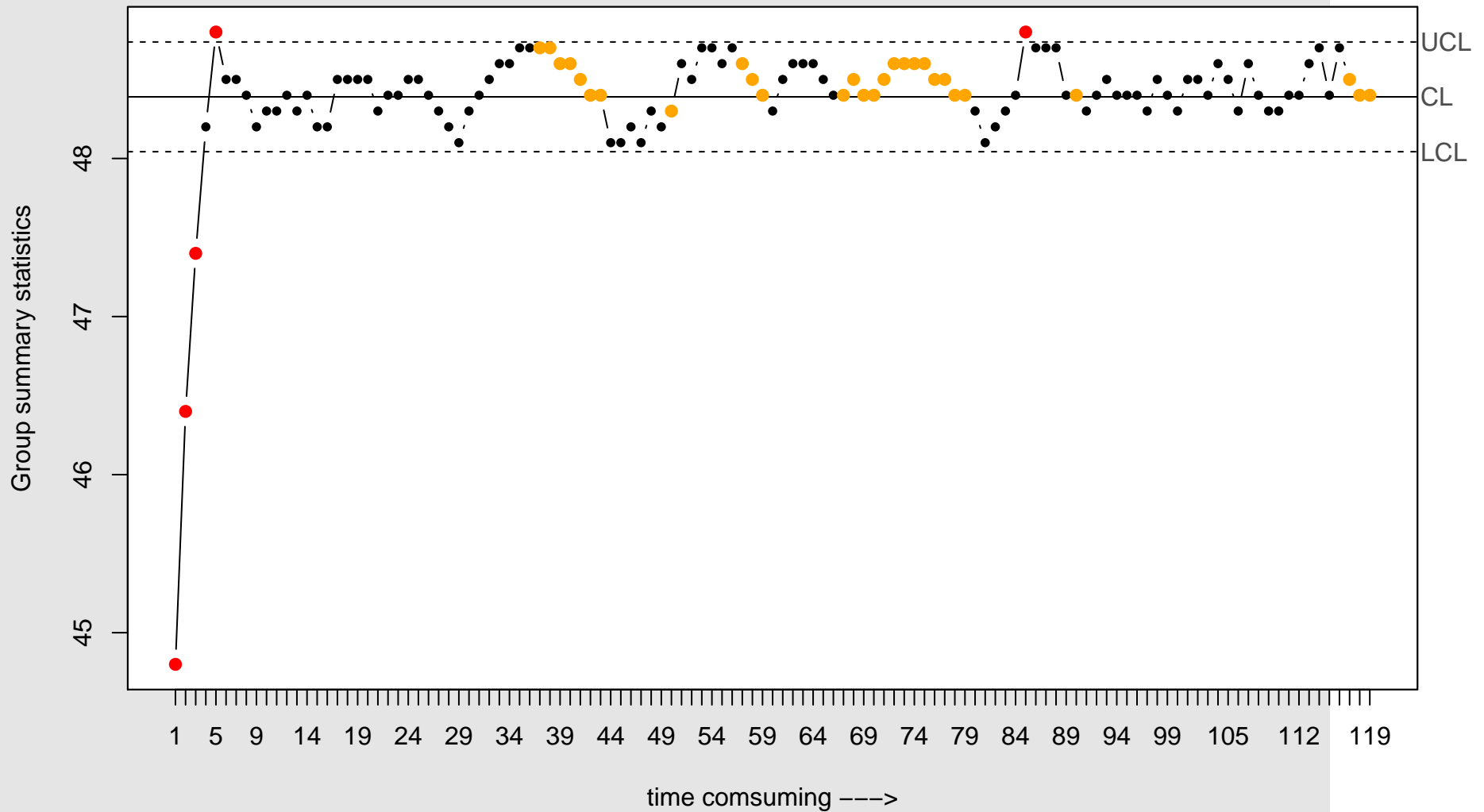


Number of groups = 119  
 Center = 48.3395  
 StdDev = 0.1119425

LCL = 48.00367  
 UCL = 48.67532

Number beyond limits = 16  
 Number violating runs = 13

# 171th column point of this product

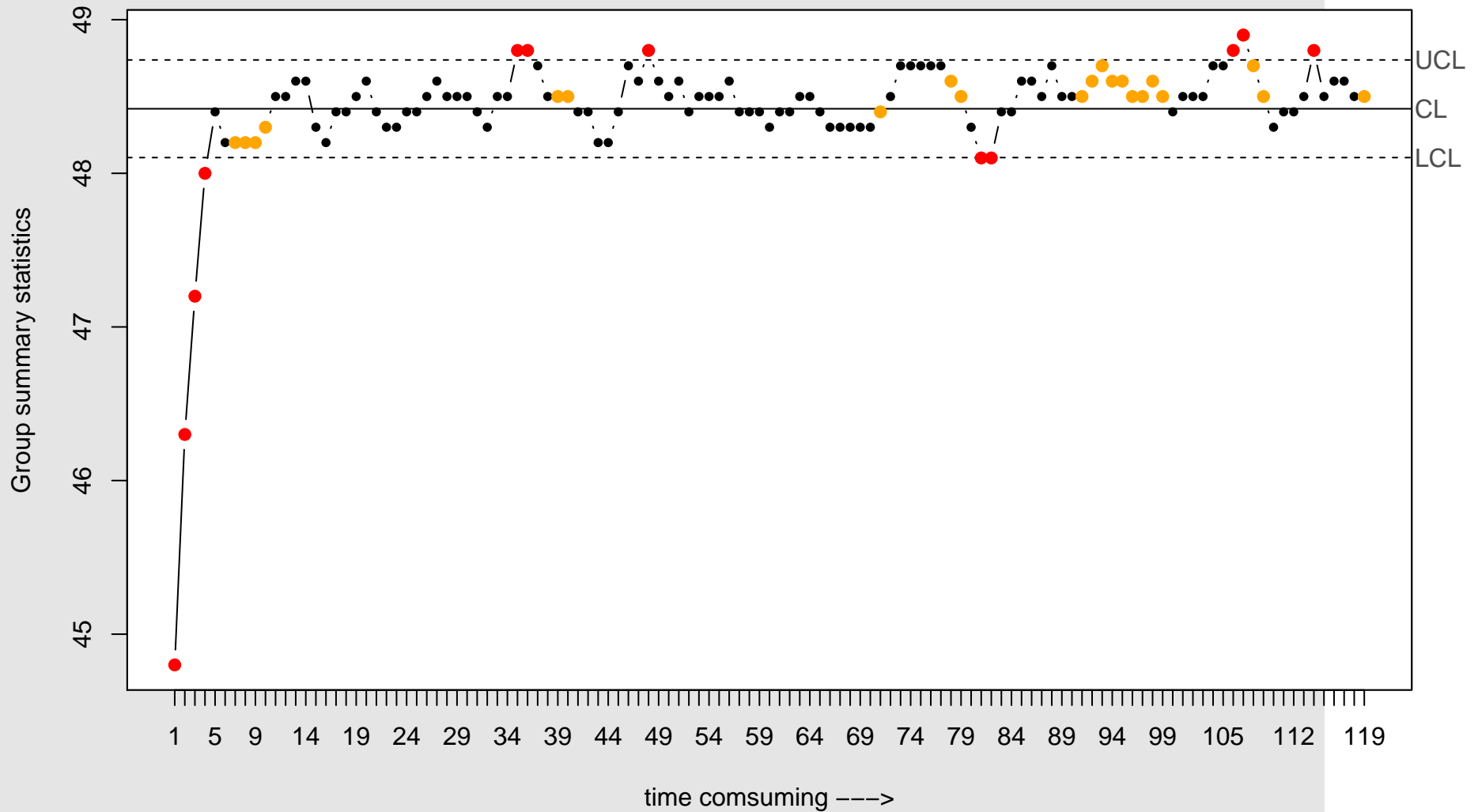


Number of groups = 119  
 Center = 48.38992  
 StdDev = 0.115699

LCL = 48.04282  
 UCL = 48.73701

Number beyond limits = 5  
 Number violating runs = 28

# 172th column point of this product

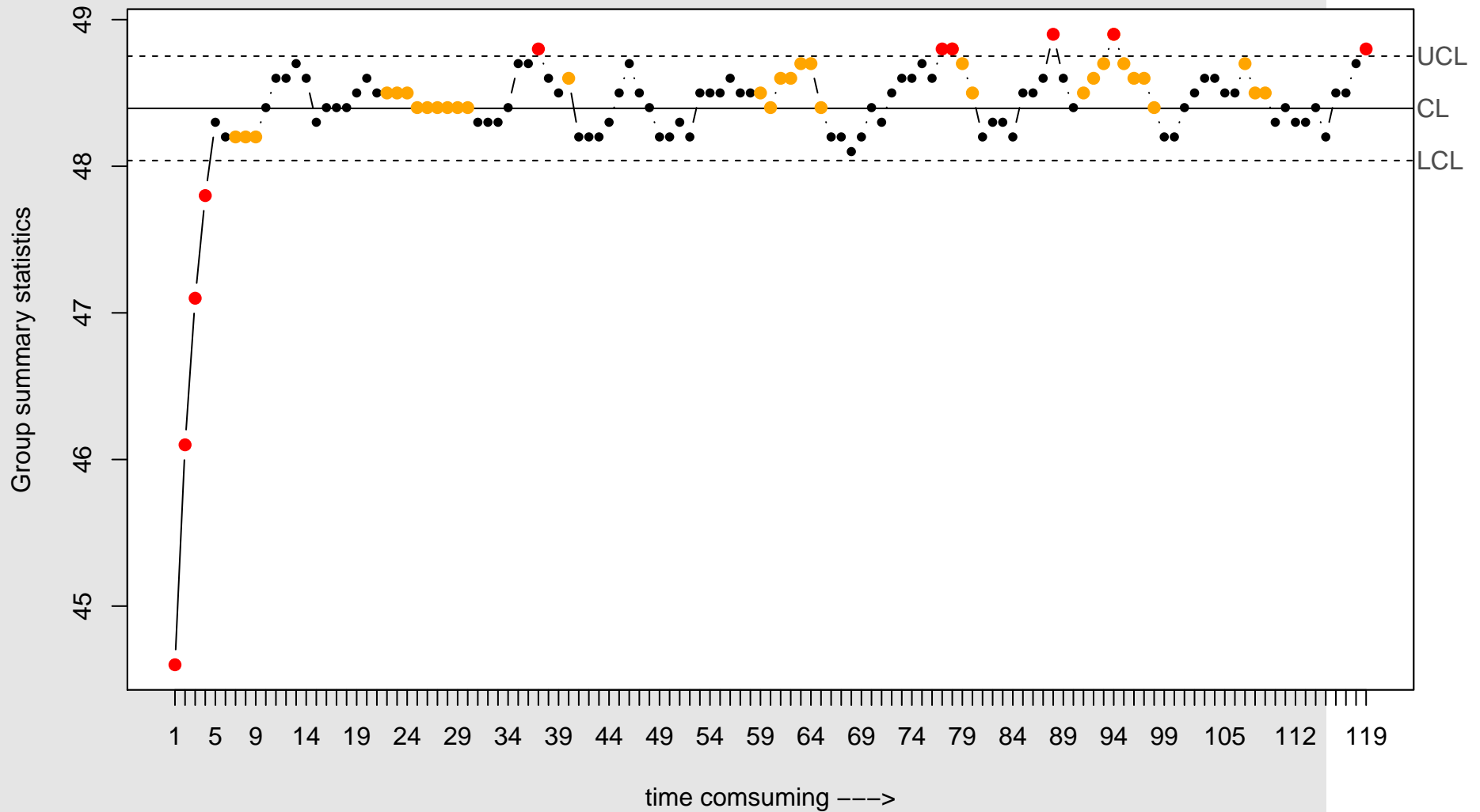


Number of groups = 119  
Center = 48.42017  
StdDev = 0.1059322

LCL = 48.10237  
UCL = 48.73796

Number beyond limits = 12  
Number violating runs = 22

# 173th column point of this product



Number of groups = 119

Center = 48.39496

StdDev = 0.1187042

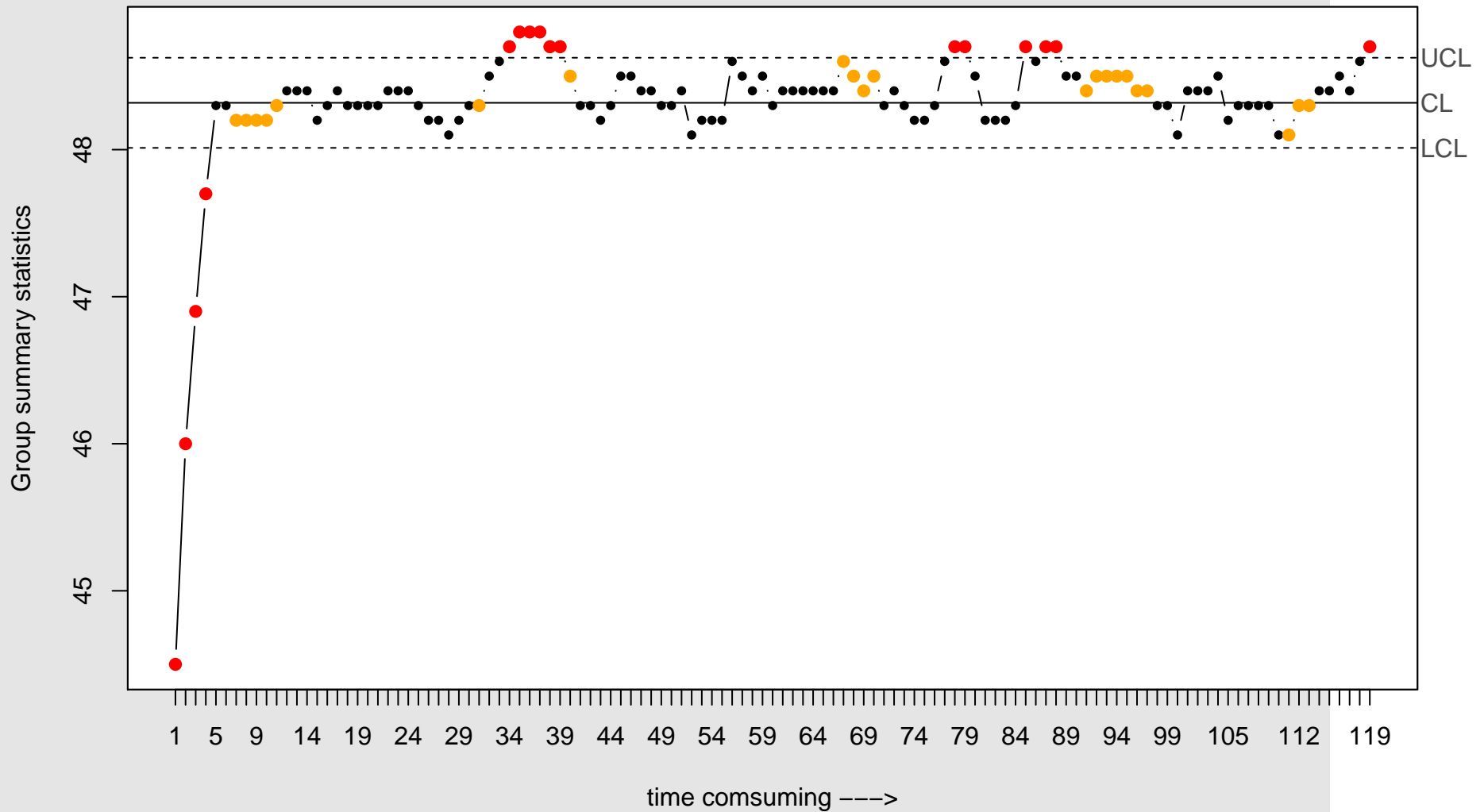
LCL = 48.03885

UCL = 48.75107

Number beyond limits = 10

Number violating runs = 34

# 174th column point of this product



Number of groups = 119

Center = 48.31849

StdDev = 0.1021757

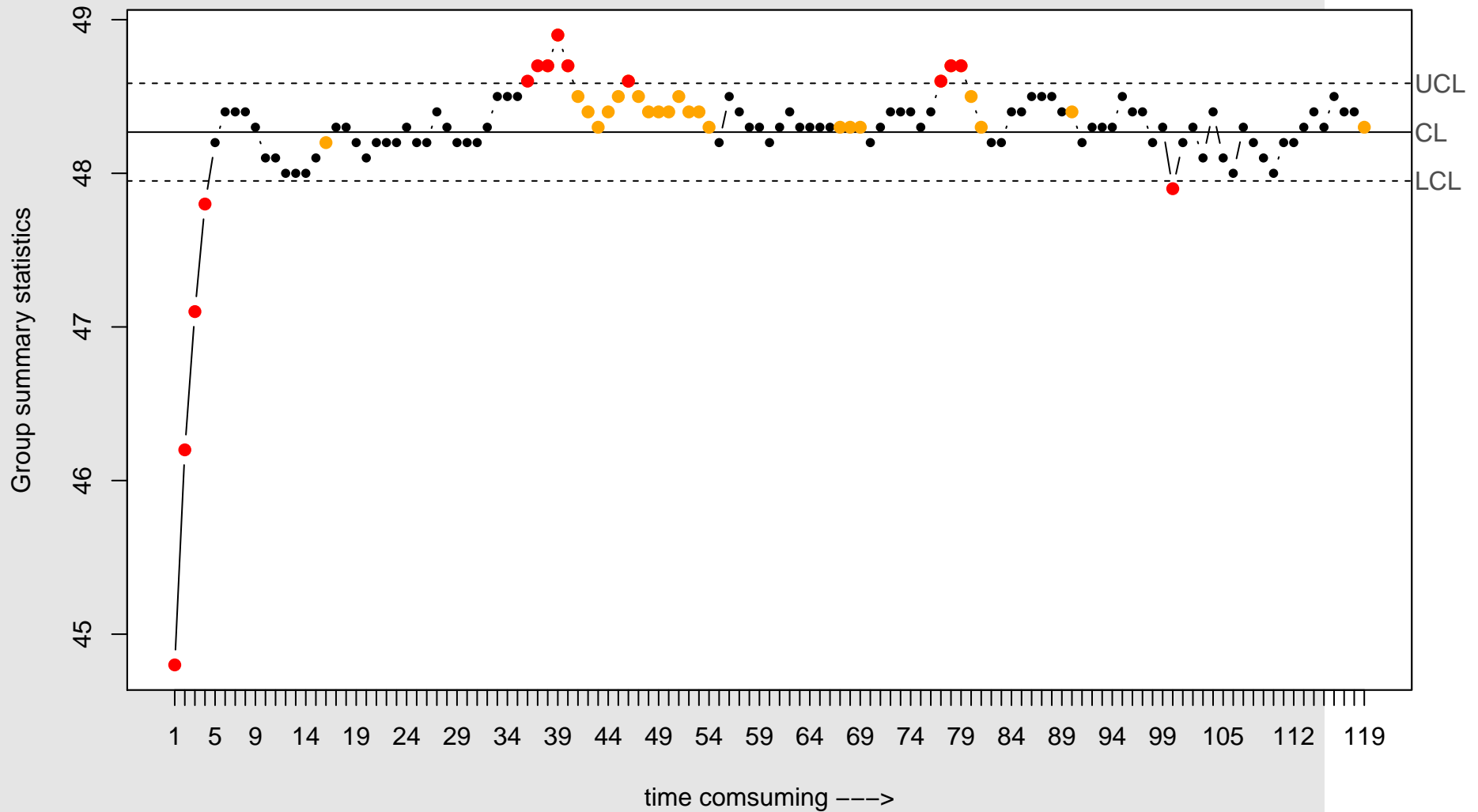
LCL = 48.01196

UCL = 48.62501

Number beyond limits = 16

Number violating runs = 23

# 175th column point of this product



Number of groups = 119

Center = 48.26807

StdDev = 0.1059322

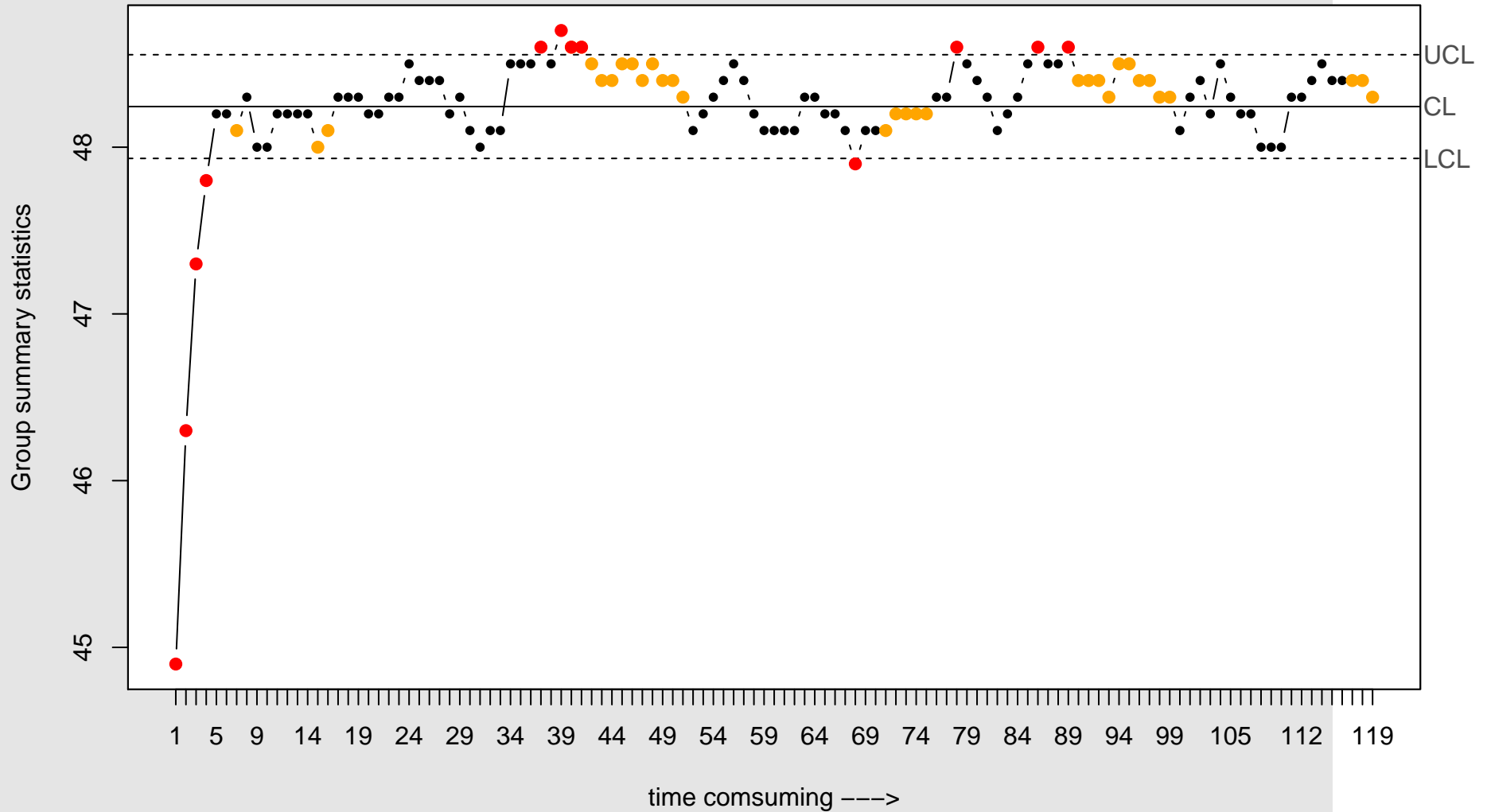
LCL = 47.95027

UCL = 48.58586

Number beyond limits = 14

Number violating runs = 28

# 176th column point of this product



Number of groups = 119

Center = 48.2437

StdDev = 0.1036783

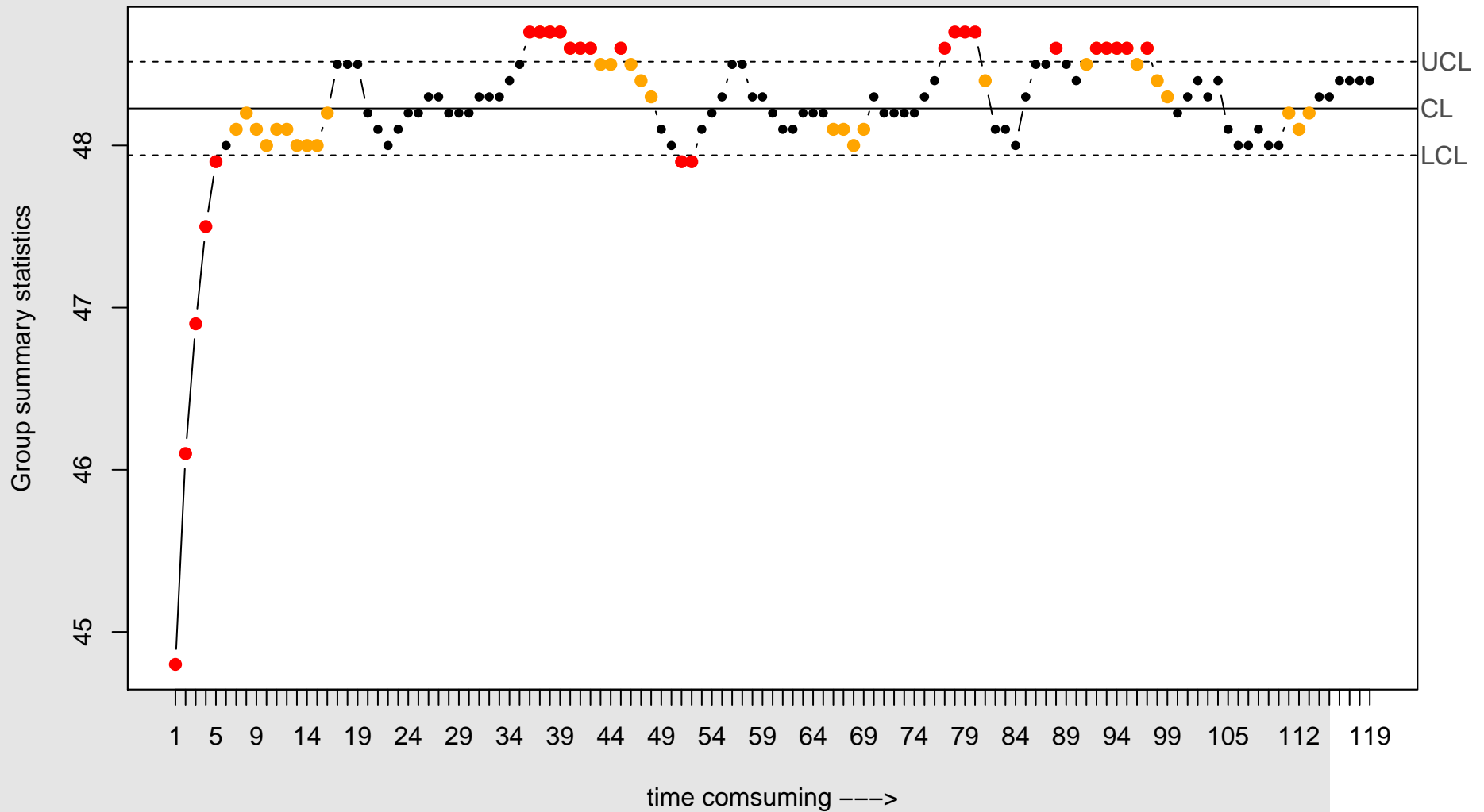
LCL = 47.93266

UCL = 48.55473

Number beyond limits = 12

Number violating runs = 33

# 177th column point of this product



Number of groups = 119

Center = 48.22857

StdDev = 0.0961654

LCL = 47.94008

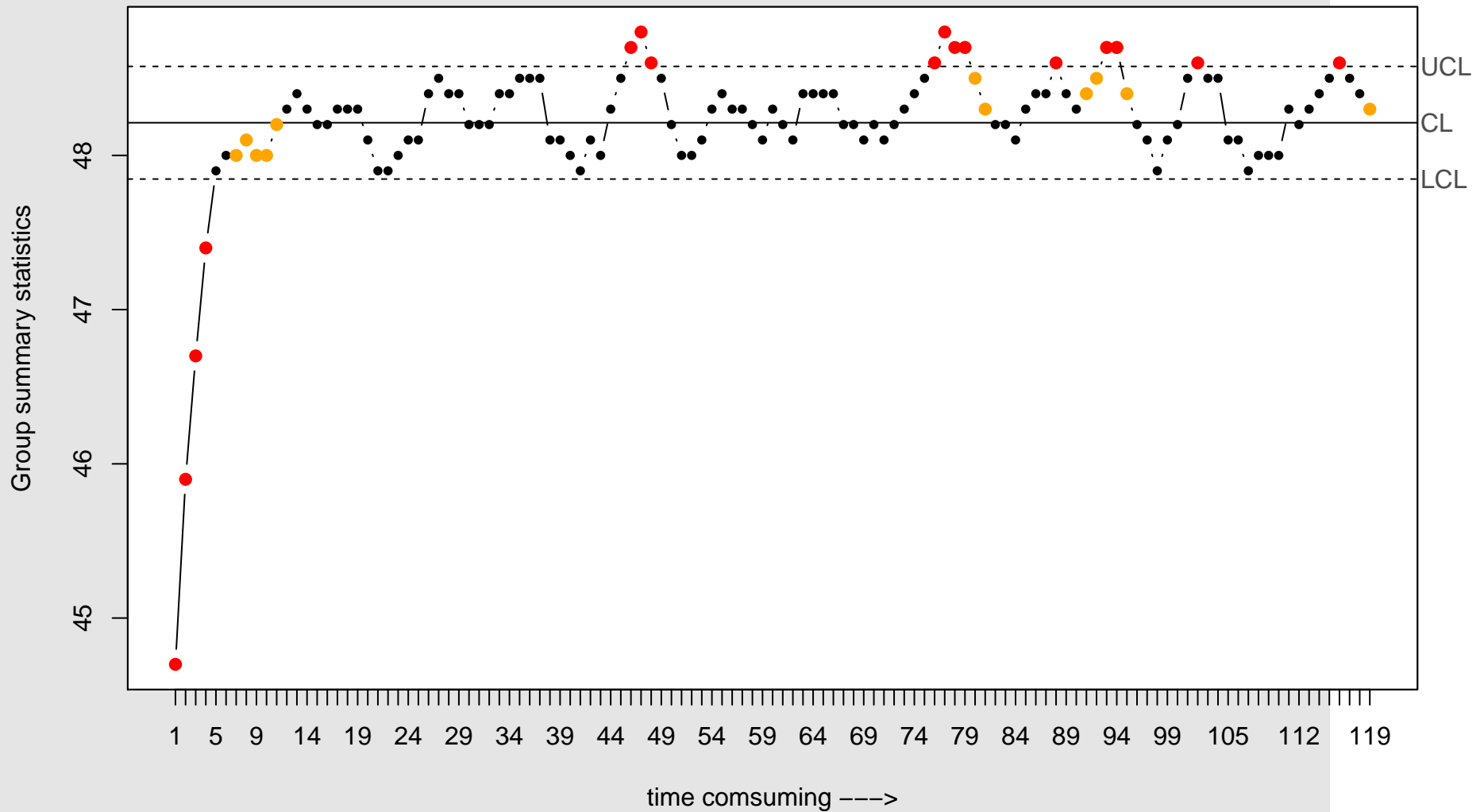
UCL = 48.51707

Number beyond limits = 25

Number violating runs = 39



# 178th column point of this product



Number of groups = 119

Center = 48.21176

StdDev = 0.1217093

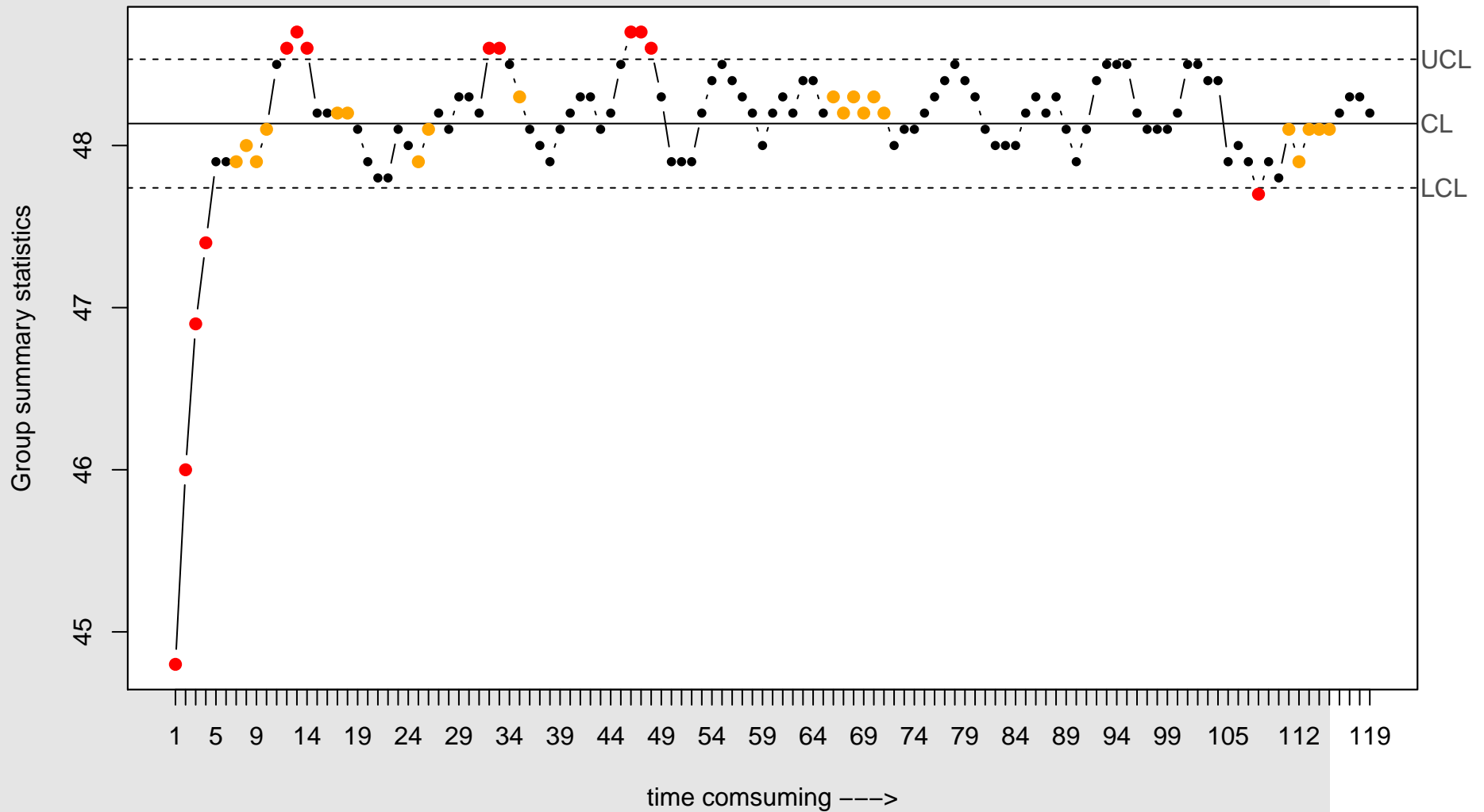
LCL = 47.84664

UCL = 48.57689

Number beyond limits = 16

Number violating runs = 14

# 179th column point of this product



Number of groups = 119

Center = 48.13529

StdDev = 0.1322274

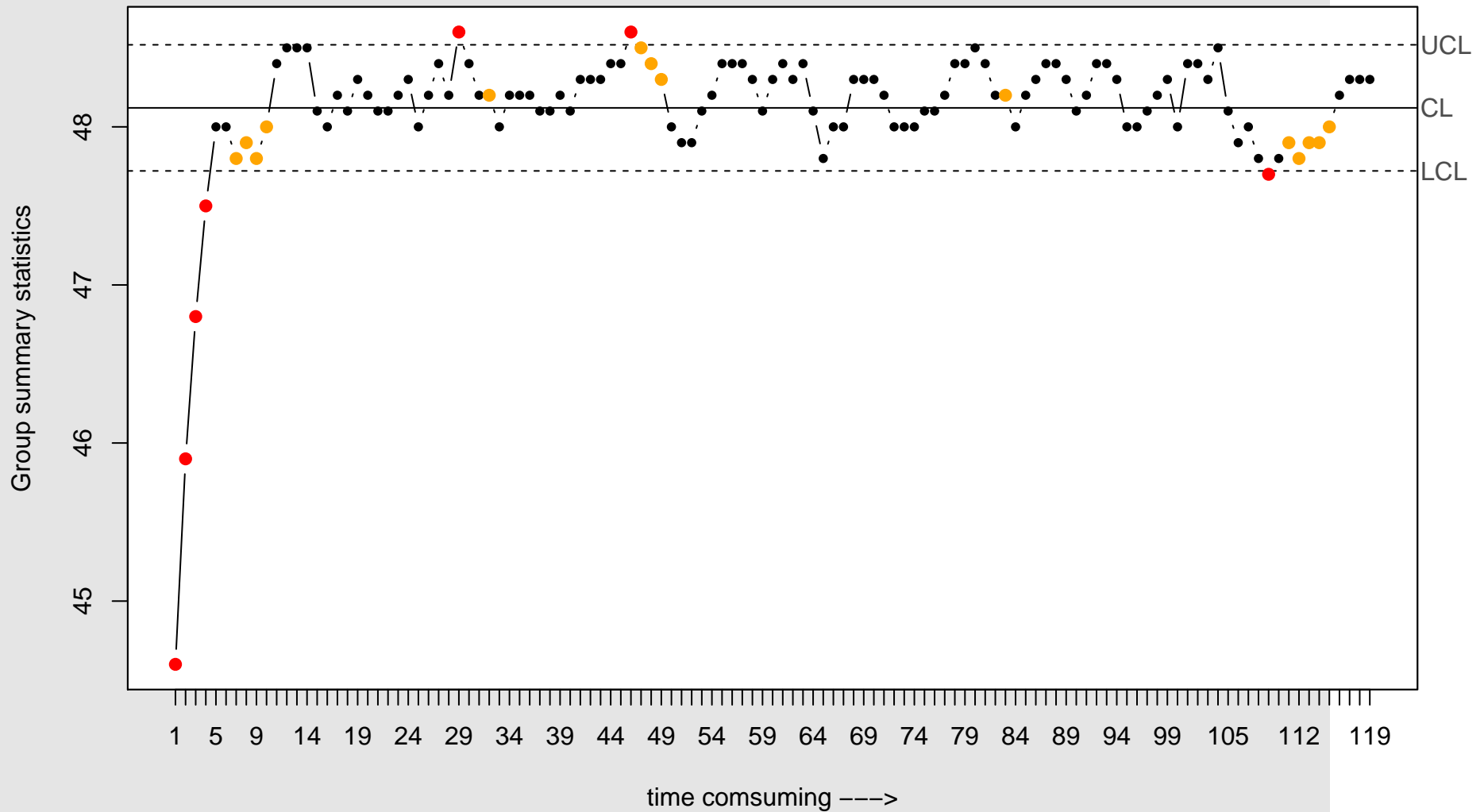
LCL = 47.73861

UCL = 48.53198

Number beyond limits = 13

Number violating runs = 20

# 180th column point of this product



Number of groups = 119

Center = 48.12017

StdDev = 0.1329787

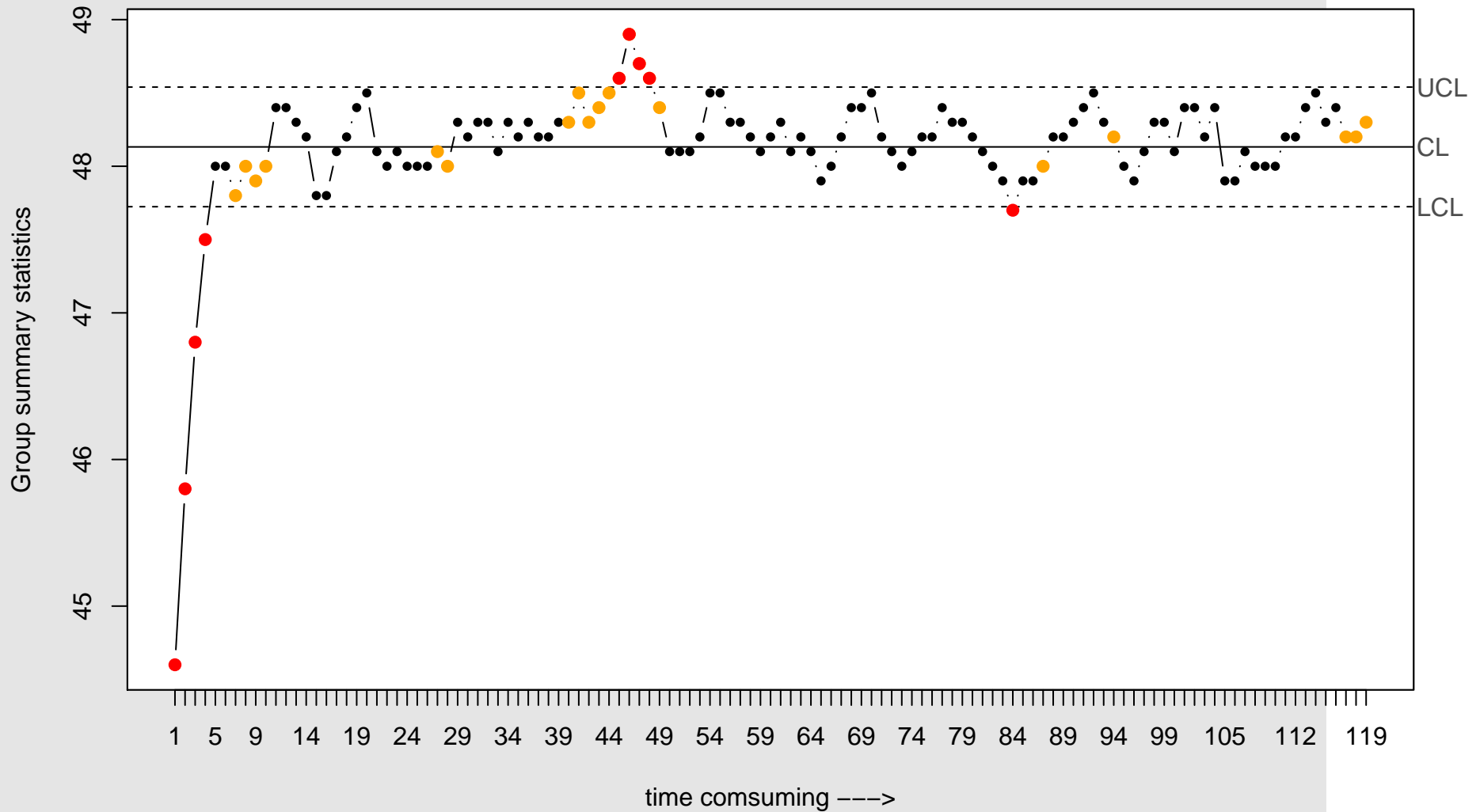
LCL = 47.72123

UCL = 48.5191

Number beyond limits = 7

Number violating runs = 14

# 181th column point of this product

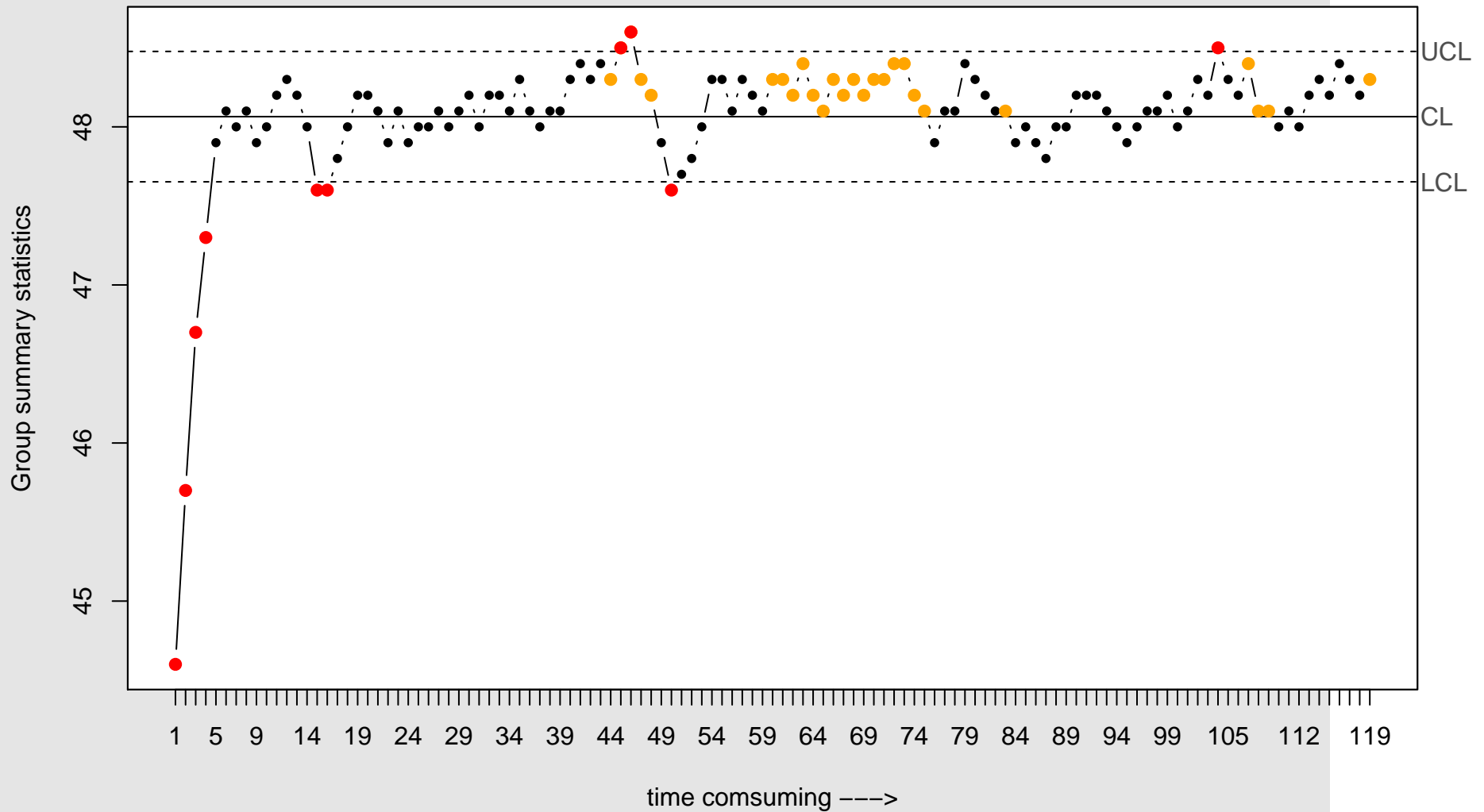


Number of groups = 119  
 Center = 48.13193  
 StdDev = 0.1359839

LCL = 47.72398  
 UCL = 48.53988

Number beyond limits = 9  
 Number violating runs = 21

# 182th column point of this product



Number of groups = 119

Center = 48.06471

StdDev = 0.1374865

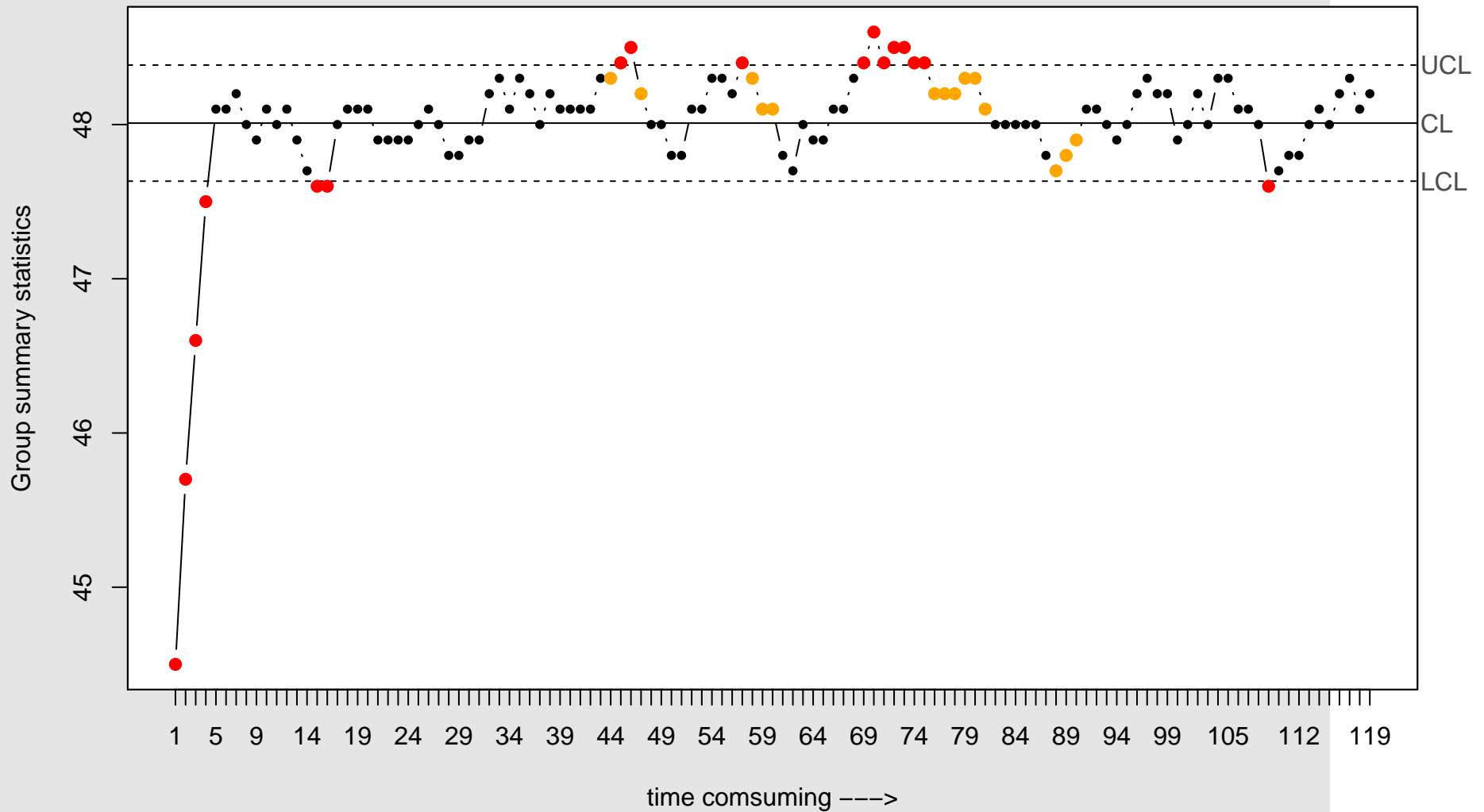
LCL = 47.65225

UCL = 48.47717

Number beyond limits = 10

Number violating runs = 26

# 183th column point of this product



Number of groups = 119

Center = 48.00924

StdDev = 0.1254658

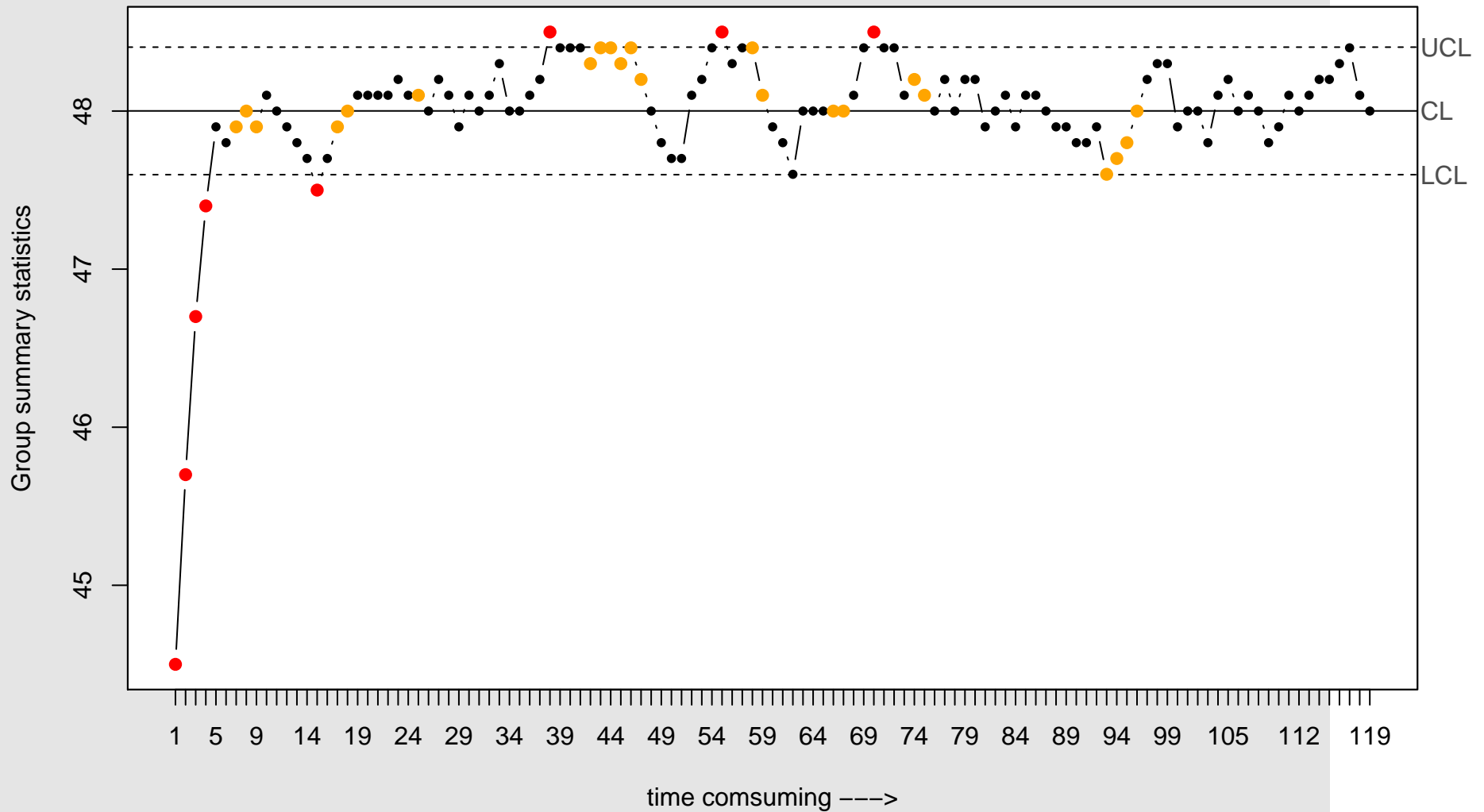
LCL = 47.63285

UCL = 48.38564

Number beyond limits = 17

Number violating runs = 20

# 184th column point of this product

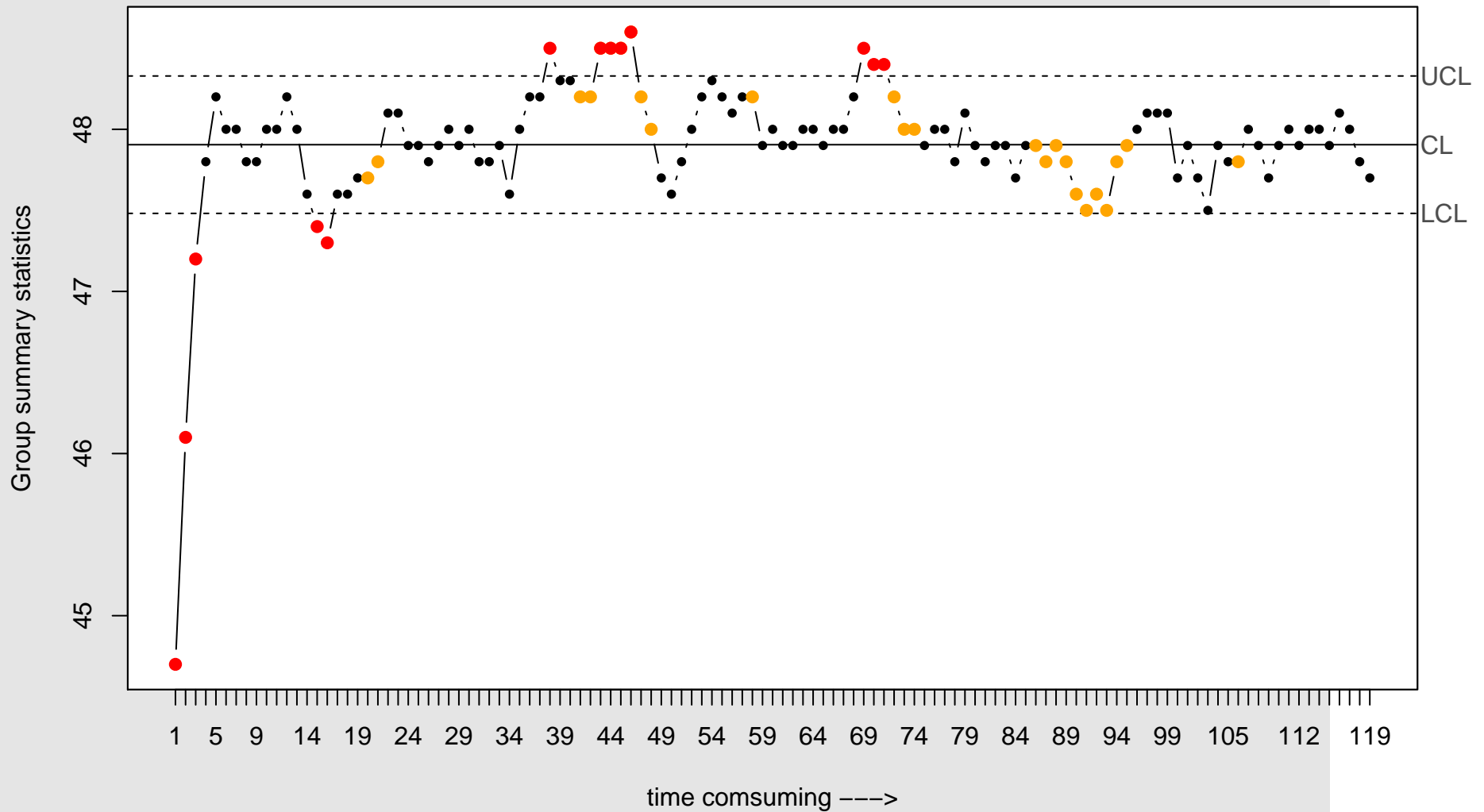


Number of groups = 119  
Center = 48.00084  
StdDev = 0.1344813

LCL = 47.5974  
UCL = 48.40428

Number beyond limits = 8  
Number violating runs = 22

# 185th column point of this product



Number of groups = 119

Center = 47.90504

StdDev = 0.1412429

LCL = 47.48131

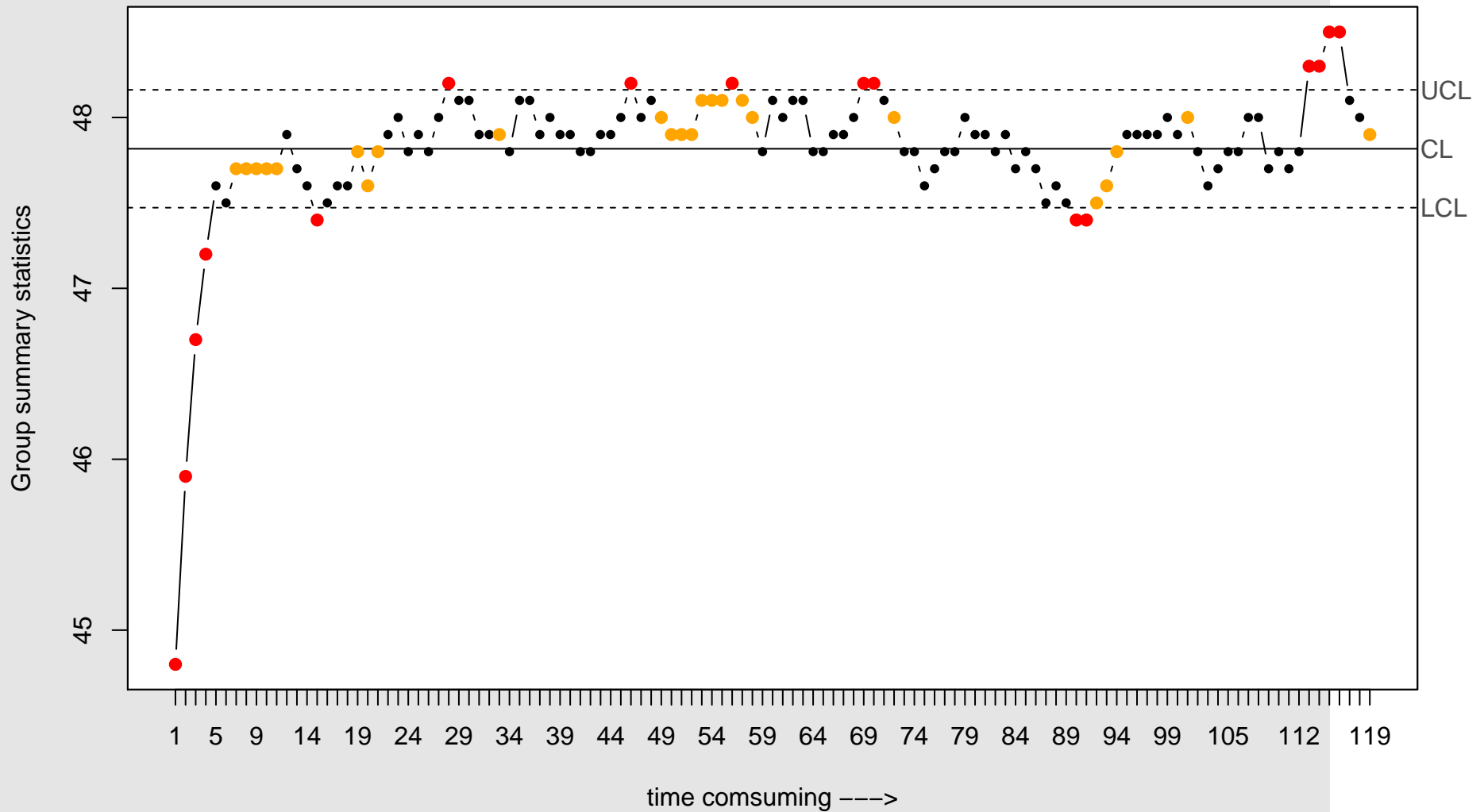
UCL = 48.32877

Number beyond limits = 13

Number violating runs = 25



# 186th column point of this product

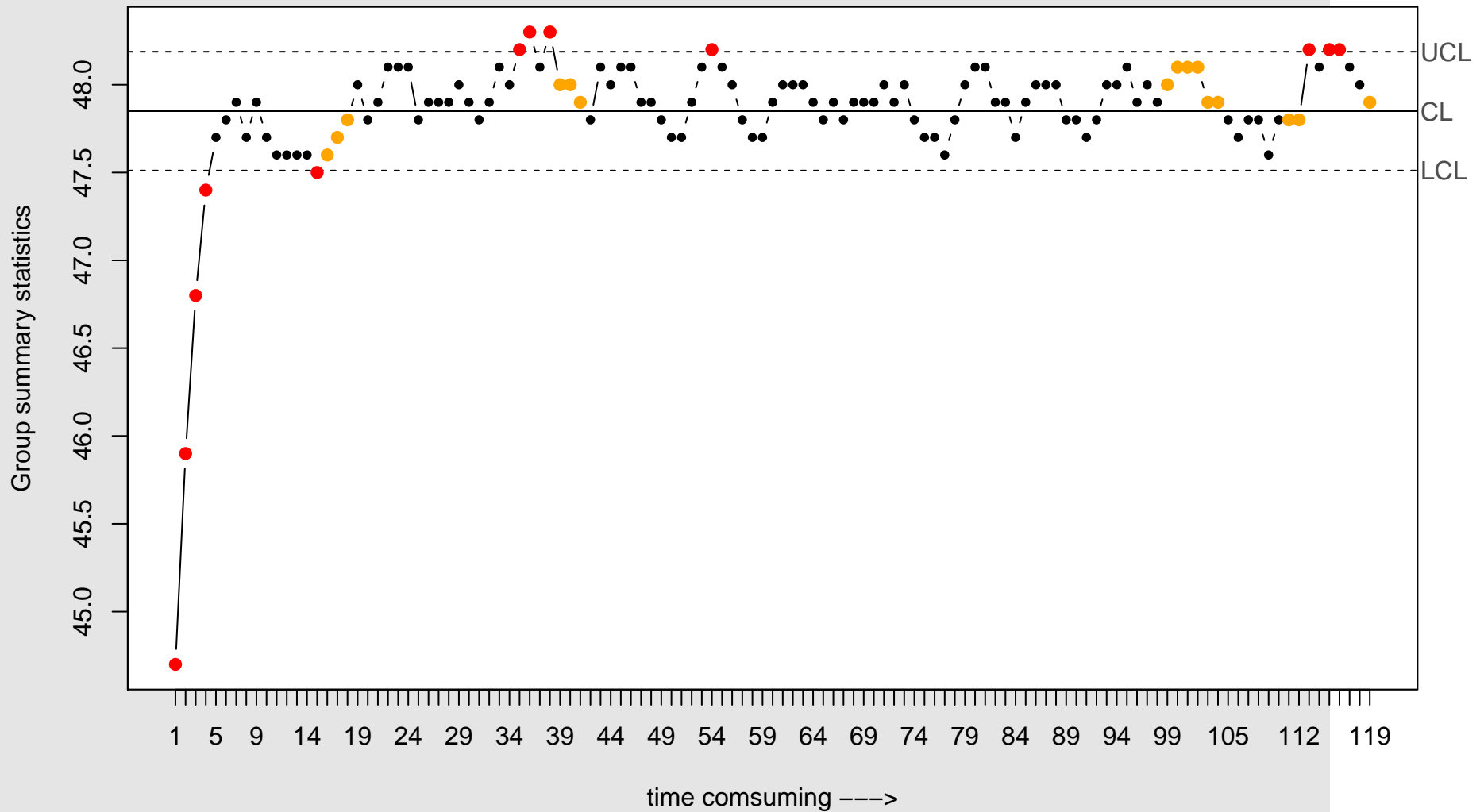


Number of groups = 119  
Center = 47.81681  
StdDev = 0.1149477

LCL = 47.47196  
UCL = 48.16165

Number beyond limits = 16  
Number violating runs = 27

# 187th column point of this product



Number of groups = 119

Center = 47.84958

StdDev = 0.1126938

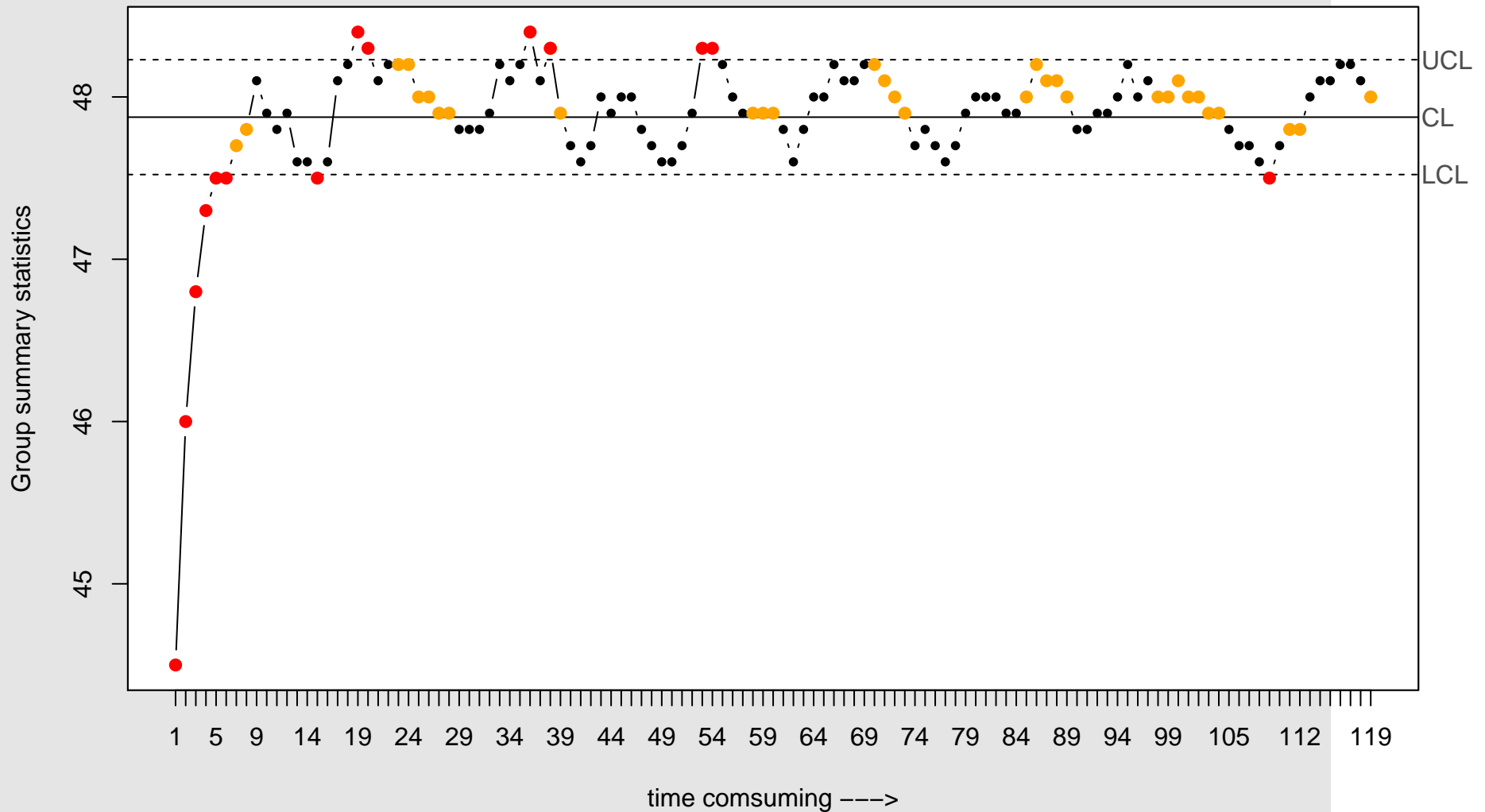
LCL = 47.5115

UCL = 48.18766

Number beyond limits = 12

Number violating runs = 16

# 188th column point of this product



Number of groups = 119

Center = 47.87563

StdDev = 0.1179529

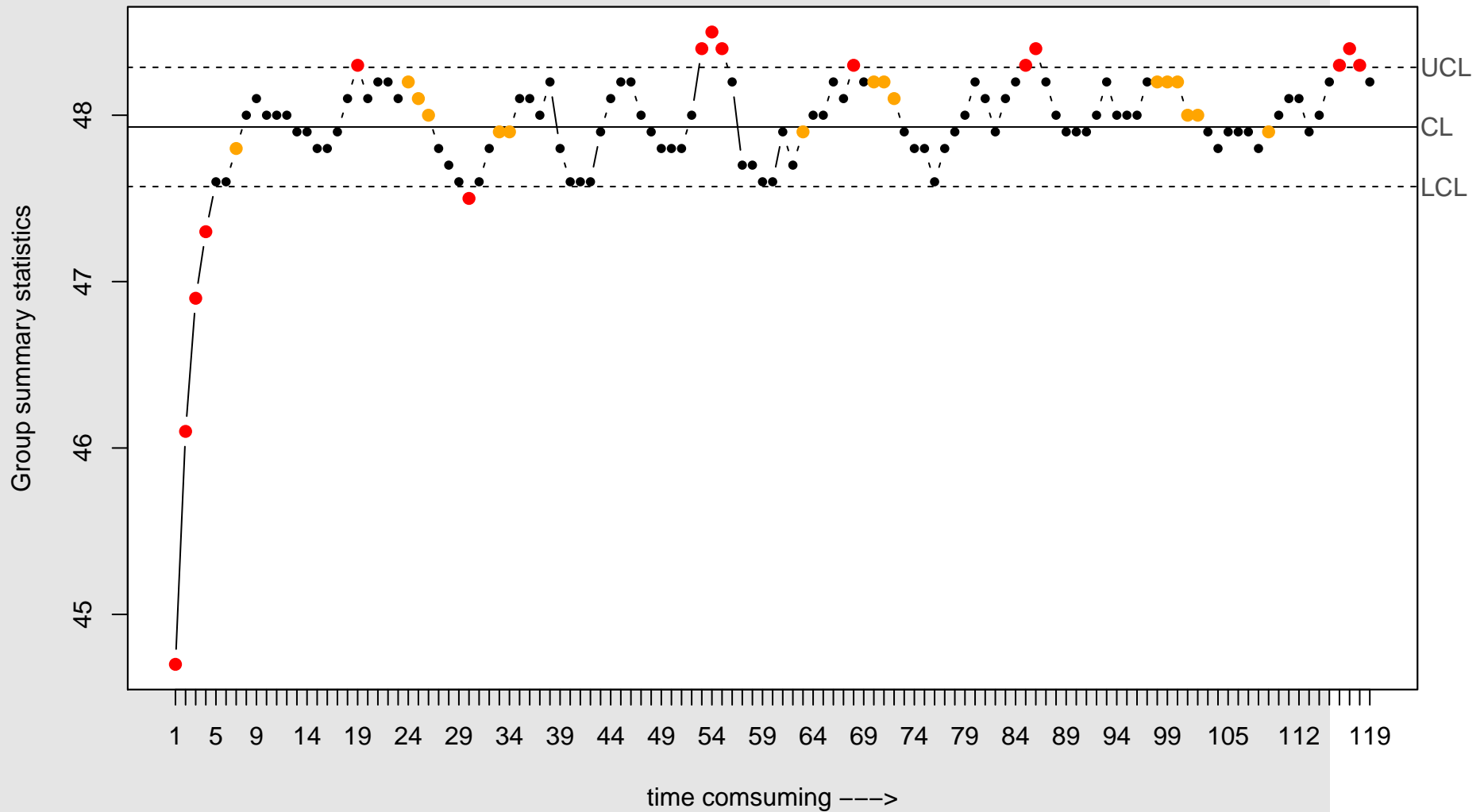
LCL = 47.52177

UCL = 48.22949

Number beyond limits = 14

Number violating runs = 32

# 189th column point of this product



Number of groups = 119

Center = 47.92941

StdDev = 0.1194555

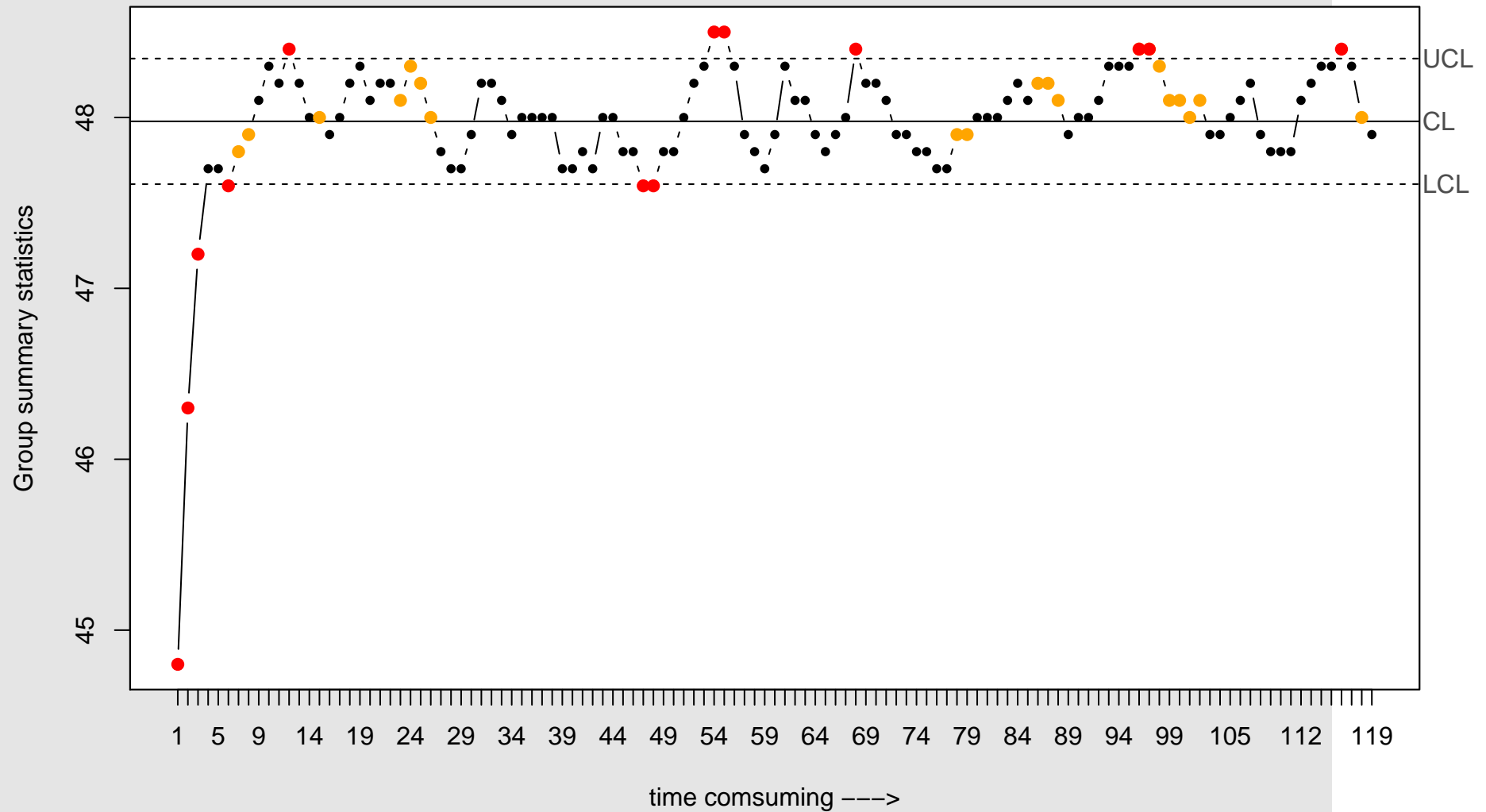
LCL = 47.57105

UCL = 48.28778

Number beyond limits = 15

Number violating runs = 16

# 190th column point of this product



Number of groups = 119

Center = 47.97731

StdDev = 0.1224606

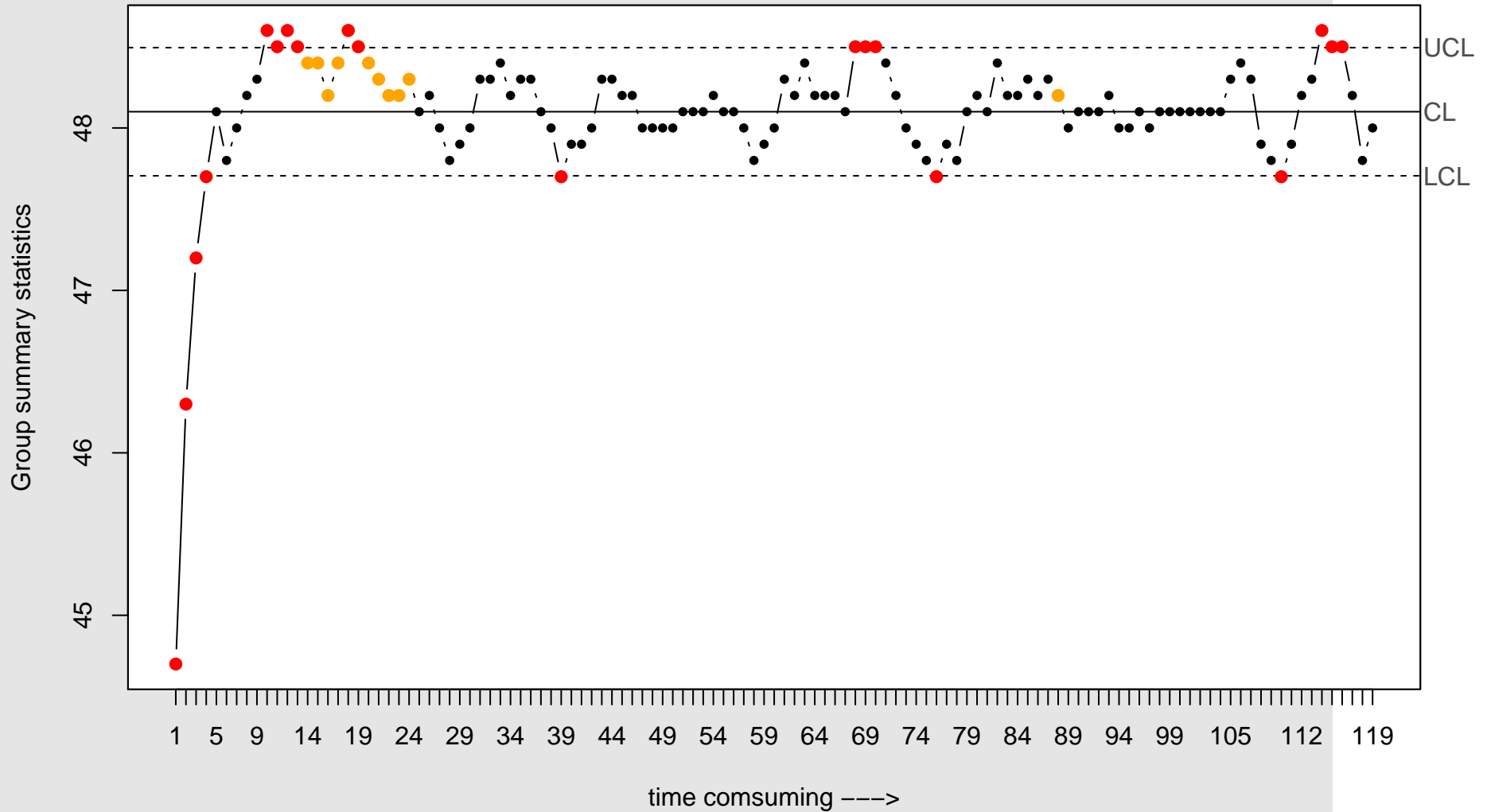
LCL = 47.60993

UCL = 48.34469

Number beyond limits = 13

Number violating runs = 20

# 191th column point of this product



Number of groups = 119

Center = 48.1

StdDev = 0.1314761

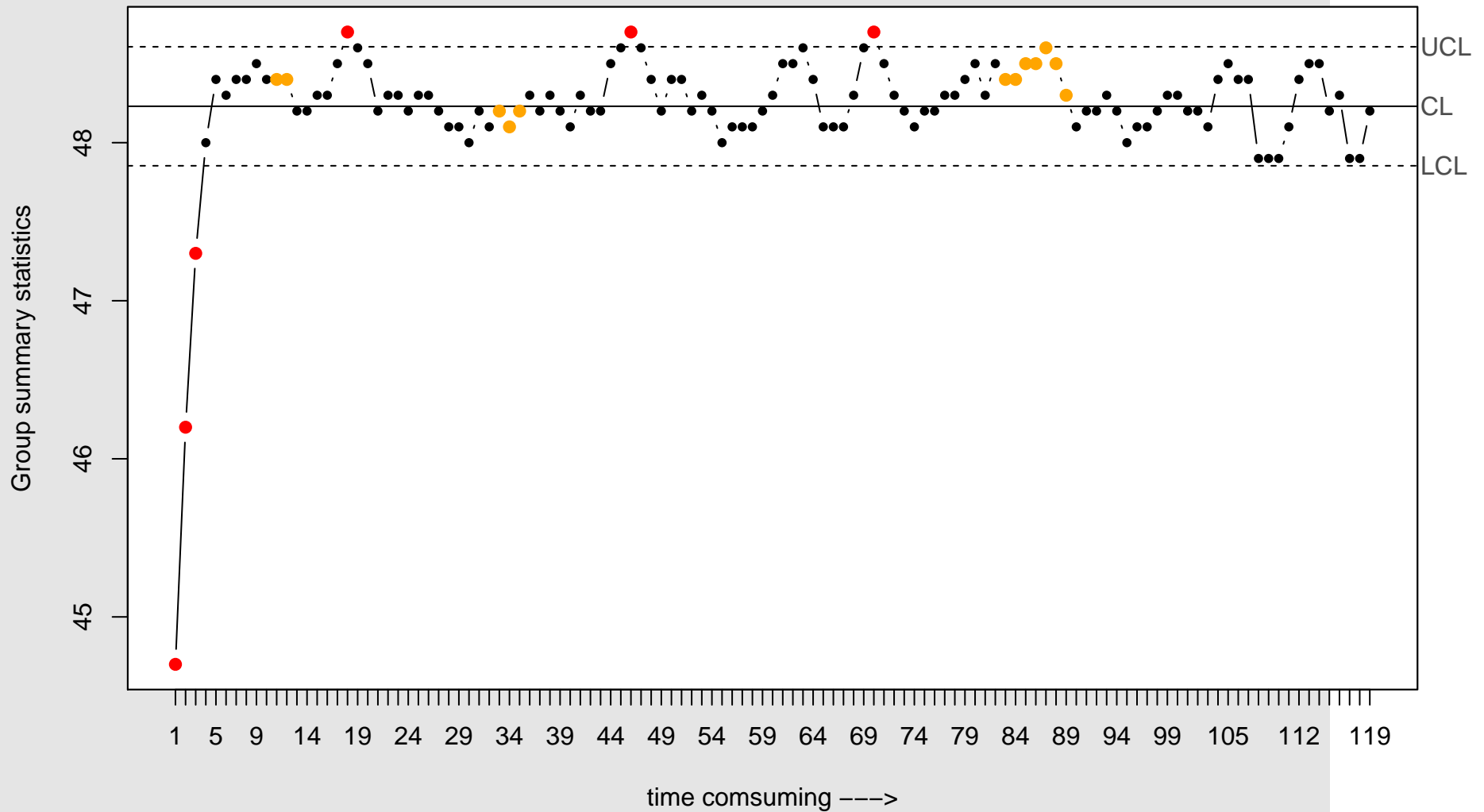
LCL = 47.70557

UCL = 48.49443

Number beyond limits = 19

Number violating runs = 12

# 192th column point of this product



Number of groups = 119

Center = 48.23025

StdDev = 0.1254658

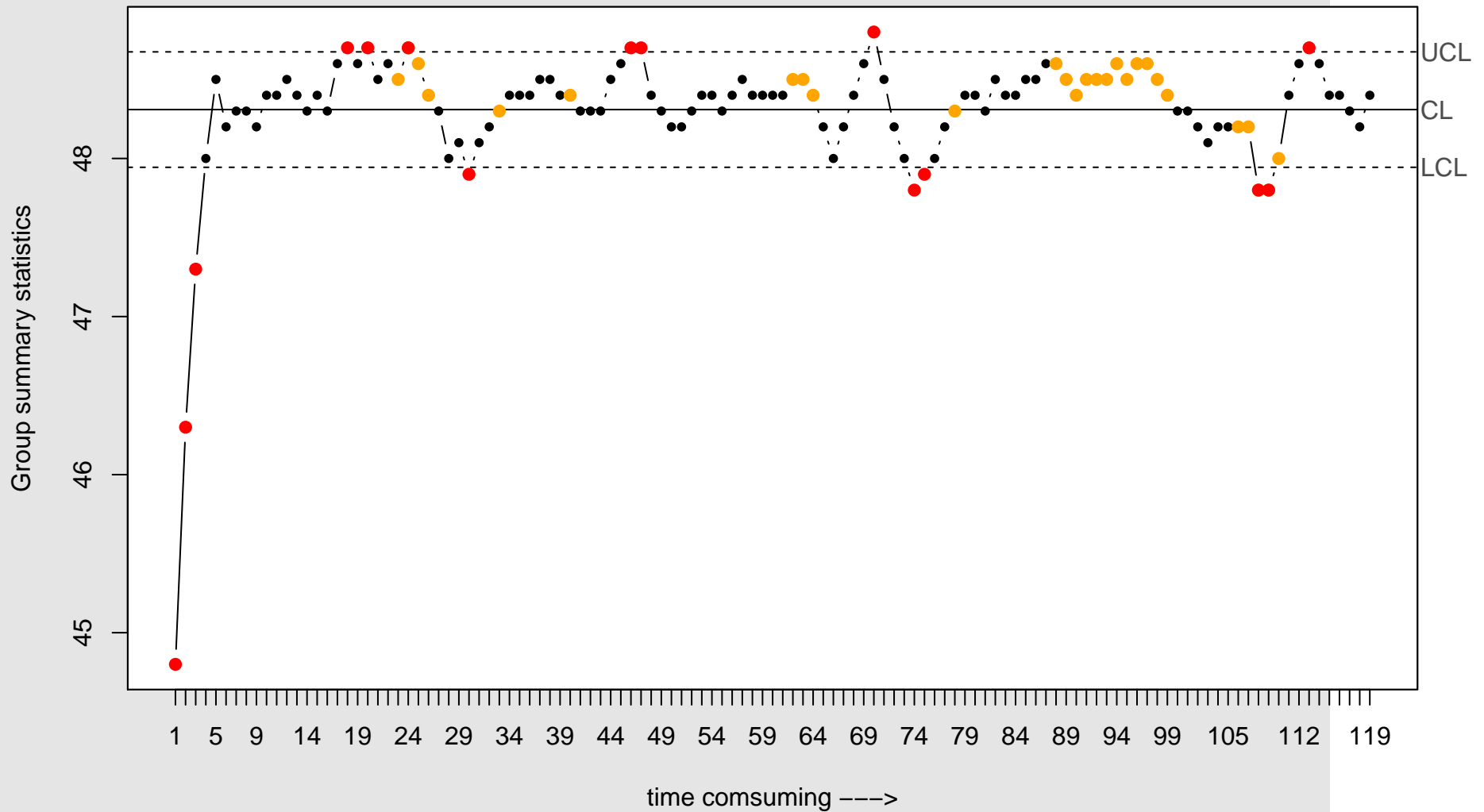
LCL = 47.85385

UCL = 48.60665

Number beyond limits = 6

Number violating runs = 12

# 193th column point of this product



Number of groups = 119

Center = 48.30924

StdDev = 0.1217093

LCL = 47.94412

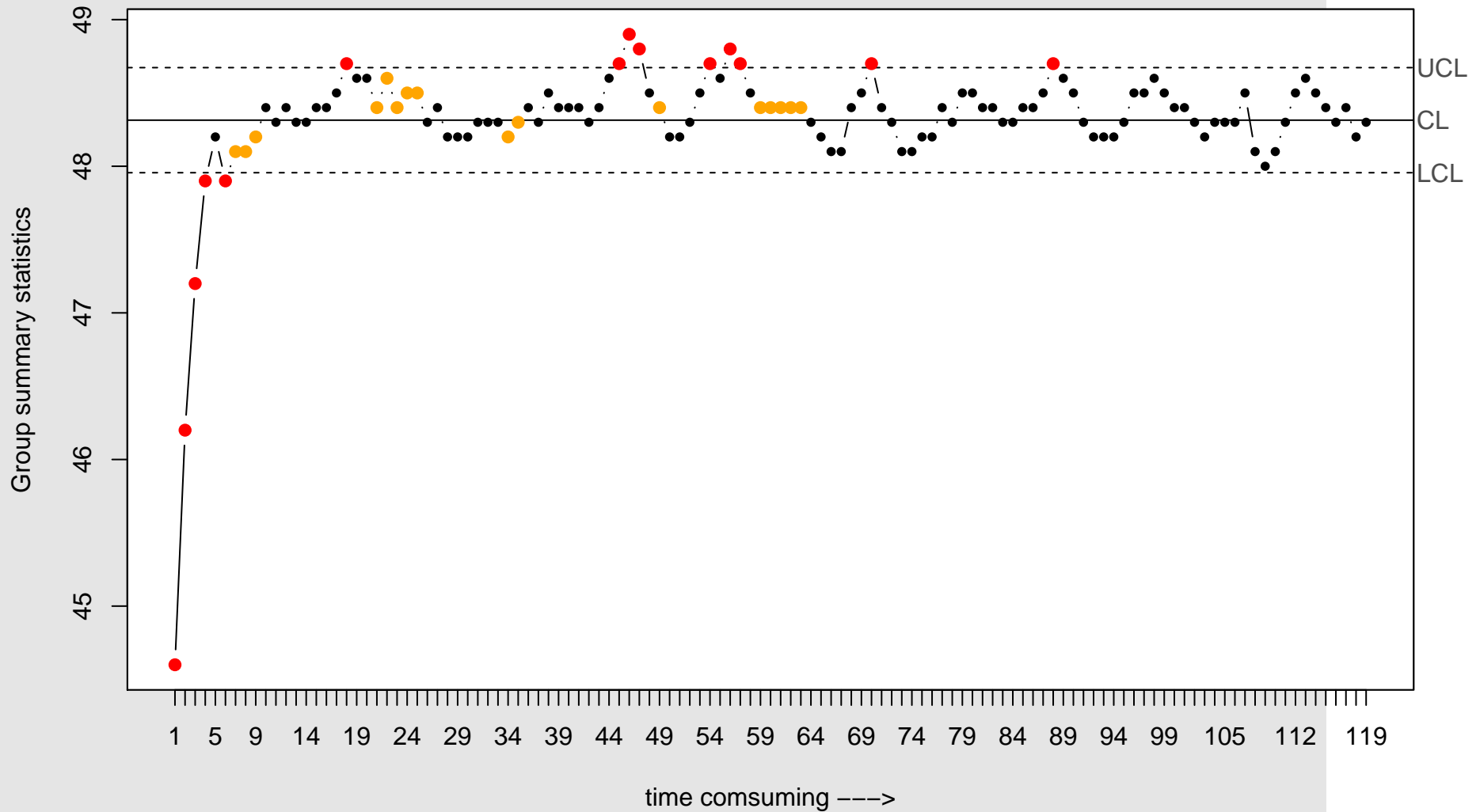
UCL = 48.67437

Number beyond limits = 15

Number violating runs = 27



# 194th column point of this product



Number of groups = 119

Center = 48.31429

StdDev = 0.1194555

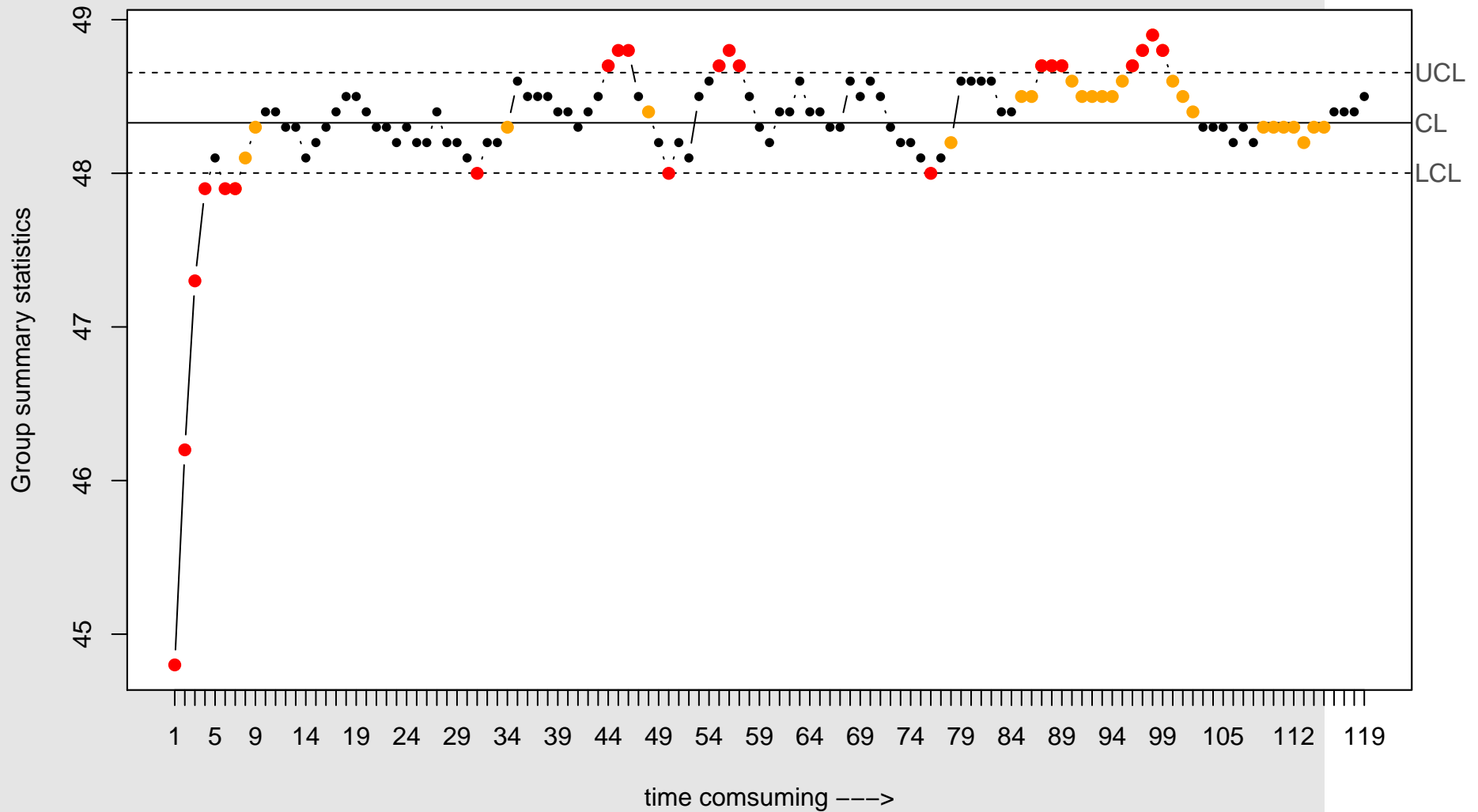
LCL = 47.95592

UCL = 48.67265

Number beyond limits = 14

Number violating runs = 16

# 195th column point of this product

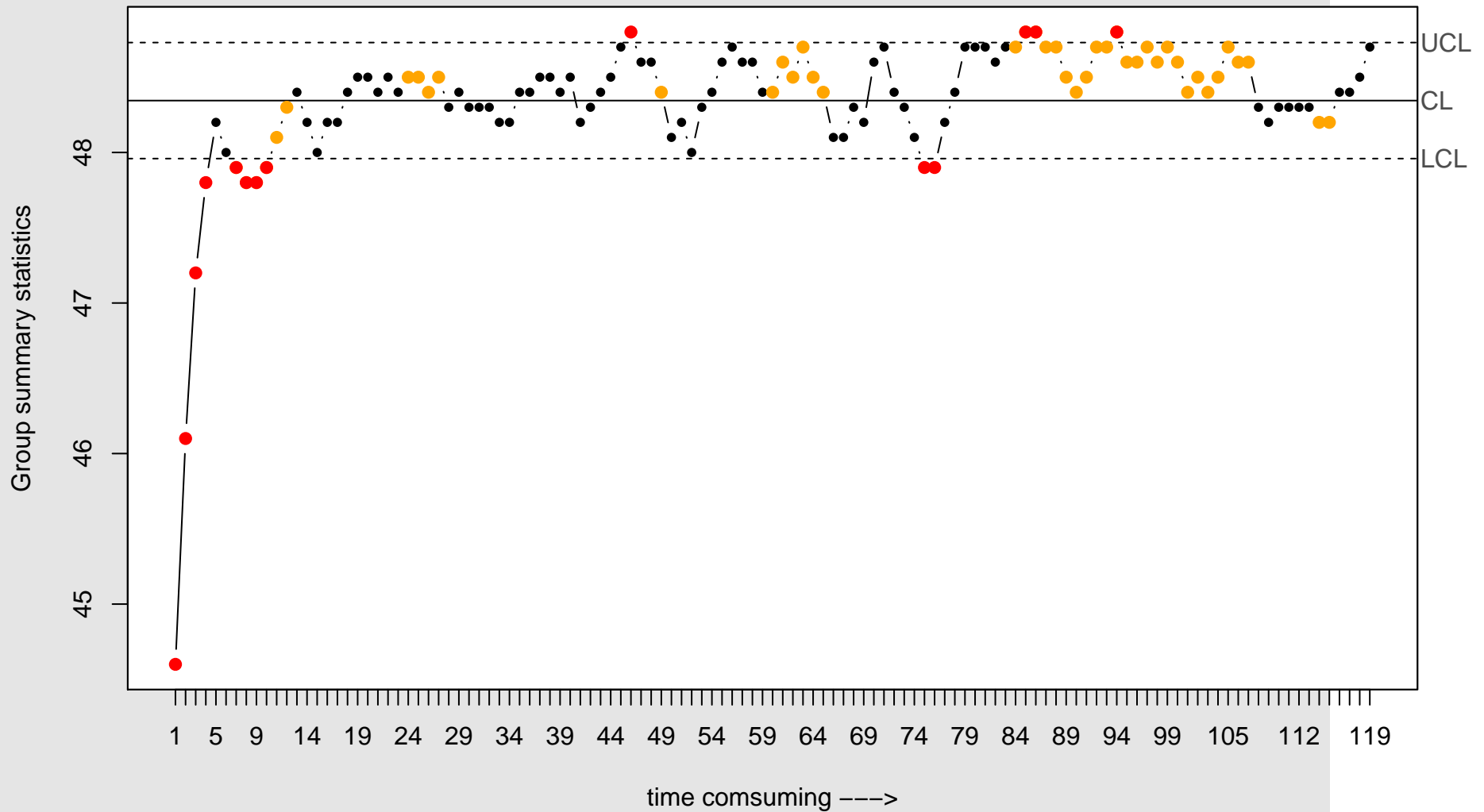


Number of groups = 119  
 Center = 48.32857  
 StdDev = 0.1089374

LCL = 48.00176  
 UCL = 48.65538

Number beyond limits = 22  
 Number violating runs = 31

# 196th column point of this product



Number of groups = 119

Center = 48.34454

StdDev = 0.128471

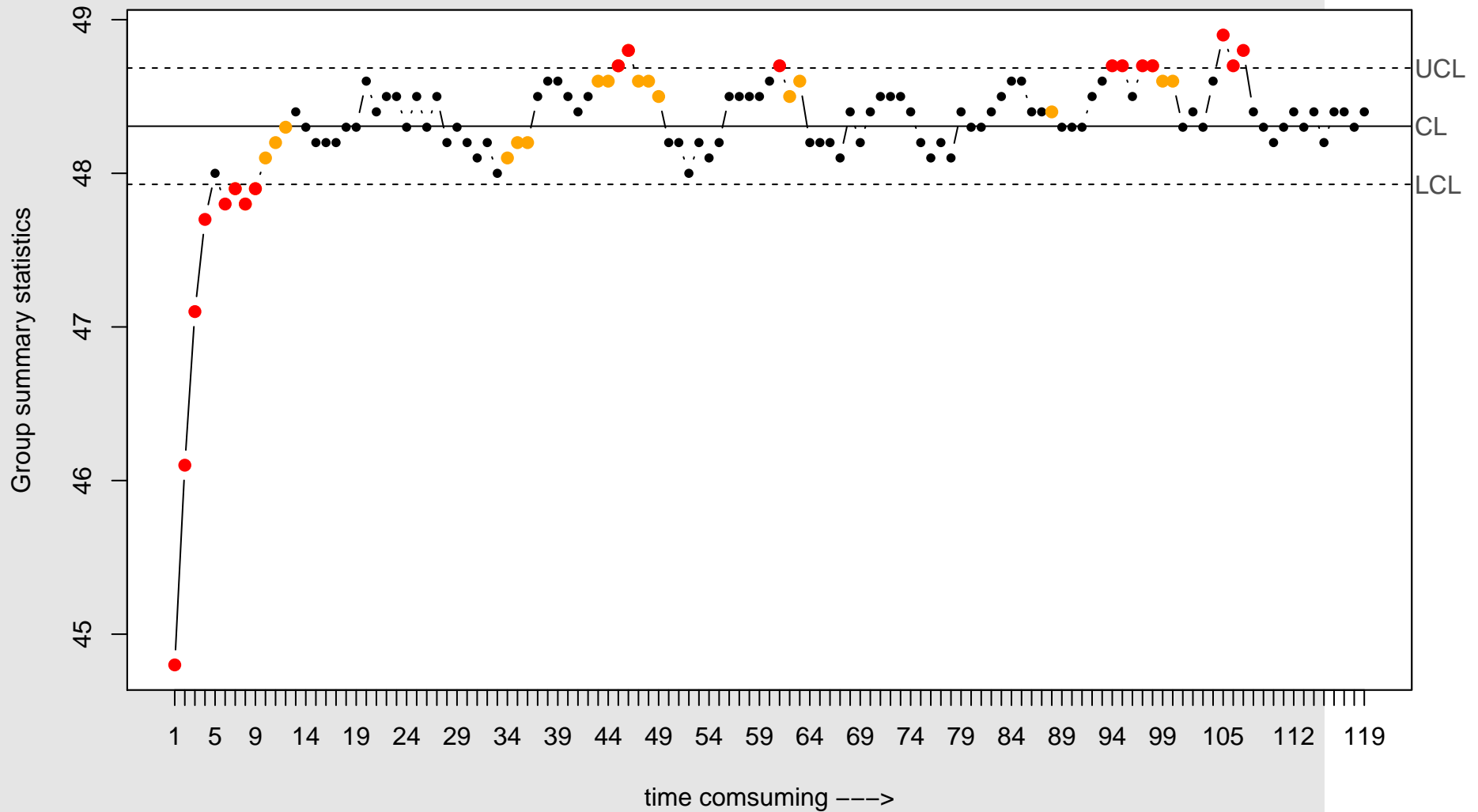
LCL = 47.95912

UCL = 48.72995

Number beyond limits = 14

Number violating runs = 43

# 197th column point of this product

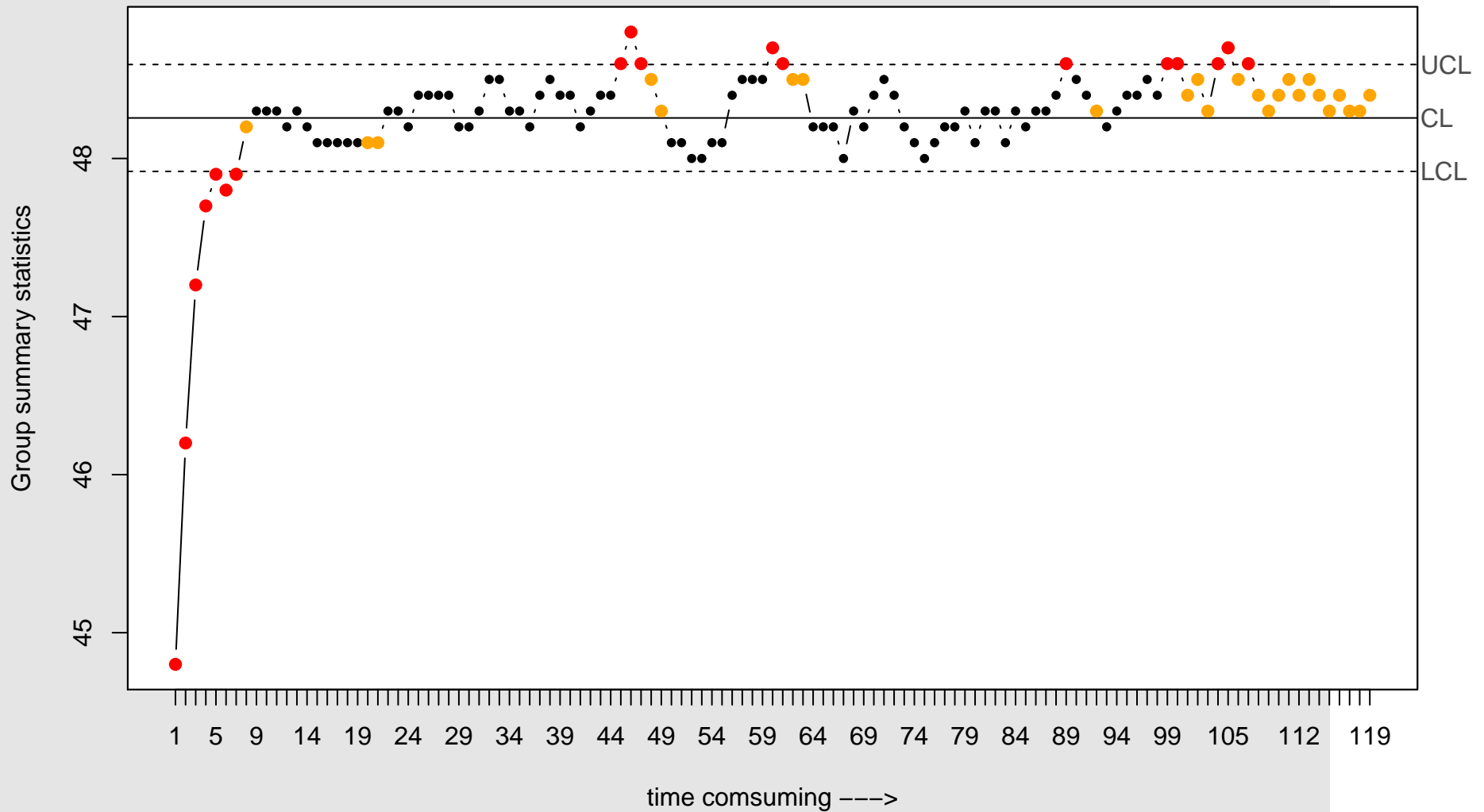


Number of groups = 119  
Center = 48.30672  
StdDev = 0.1262171

LCL = 47.92807  
UCL = 48.68537

Number beyond limits = 18  
Number violating runs = 22

# 198th column point of this product

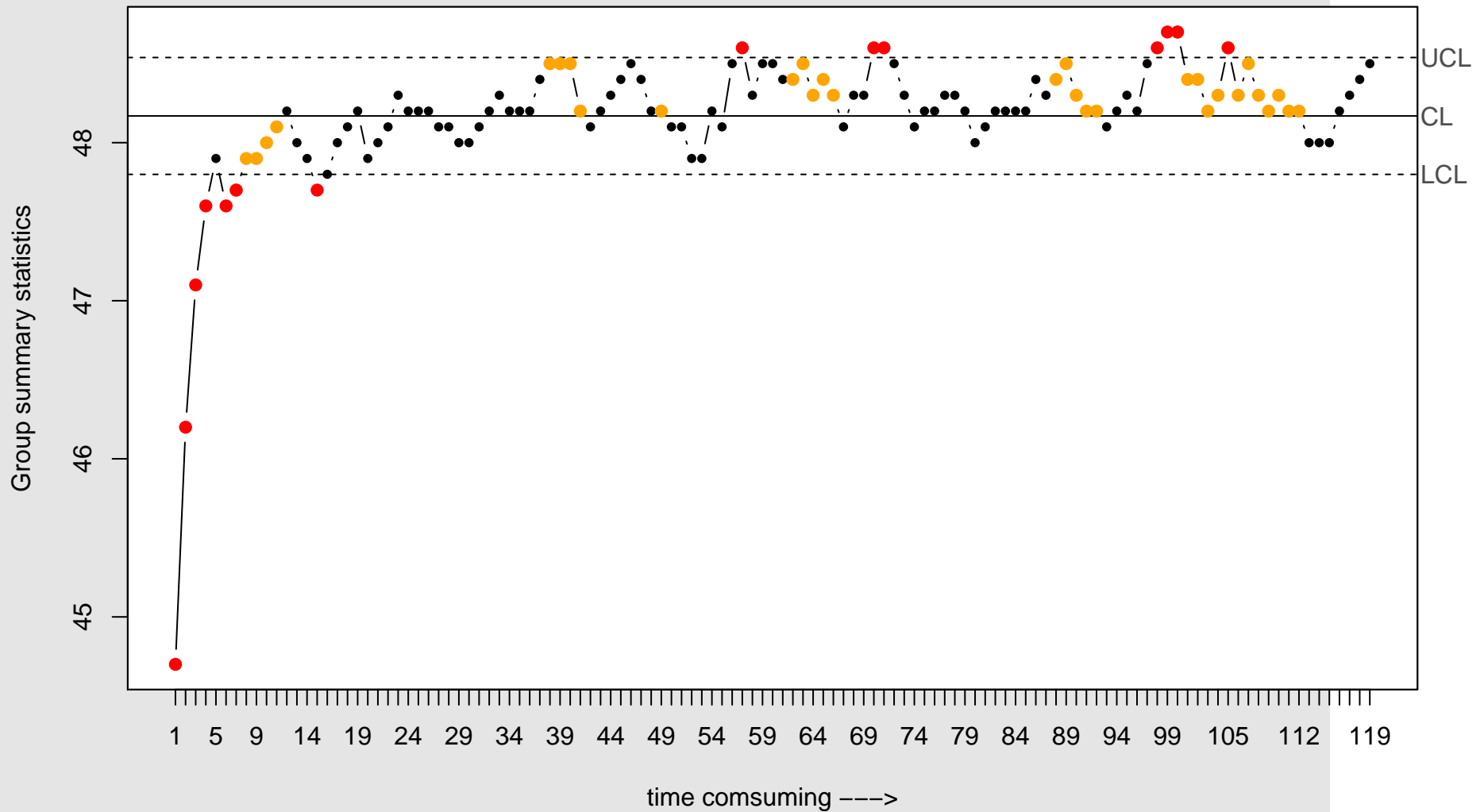


Number of groups = 119  
Center = 48.2563  
StdDev = 0.1126938

LCL = 47.91822  
UCL = 48.59438

Number beyond limits = 18  
Number violating runs = 29

# 199th column point of this product



Number of groups = 119

Center = 48.16891

StdDev = 0.1232119

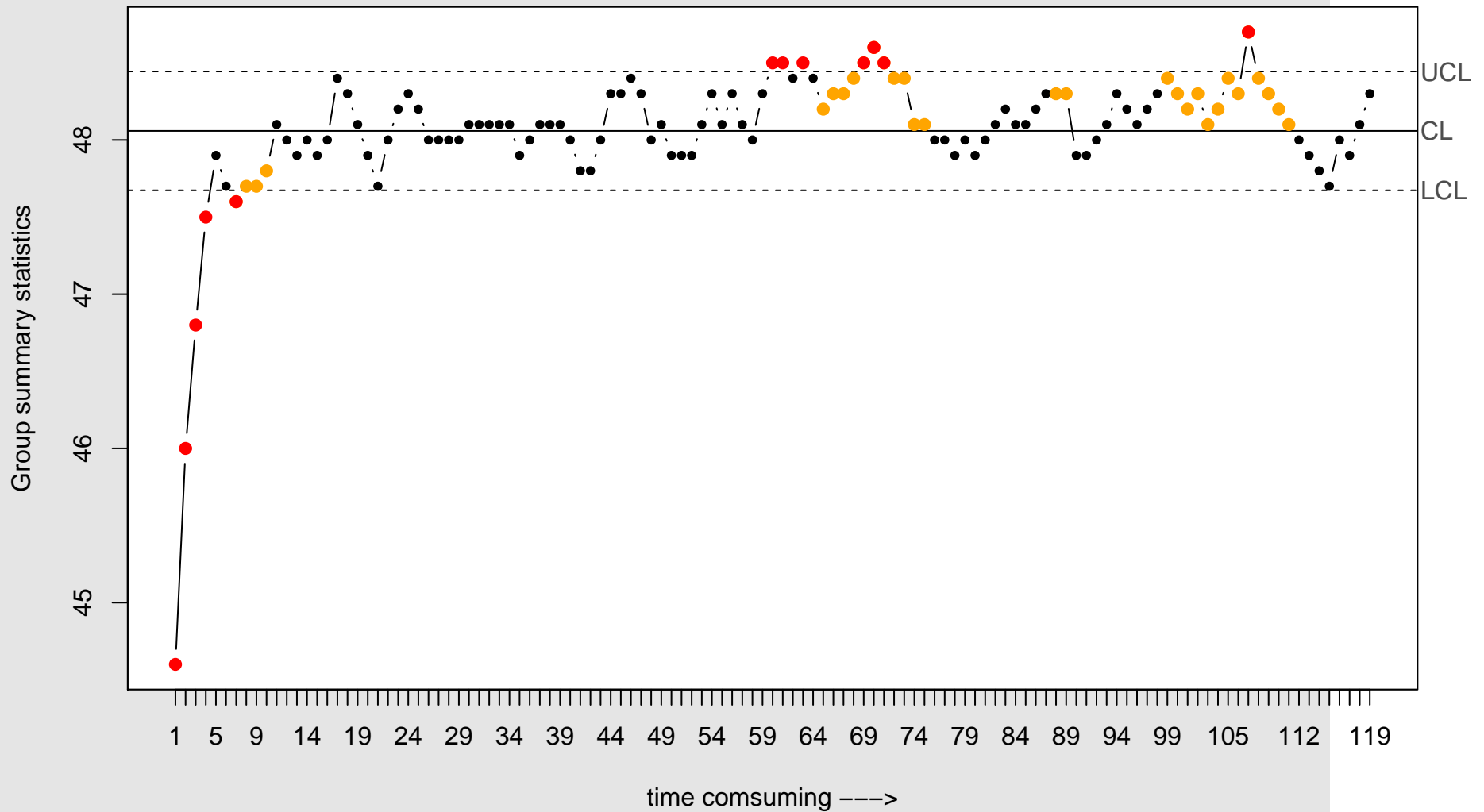
LCL = 47.79927

UCL = 48.53854

Number beyond limits = 14

Number violating runs = 33

## 200th column point of this product



Number of groups = 119

Center = 48.05882

StdDev = 0.128471

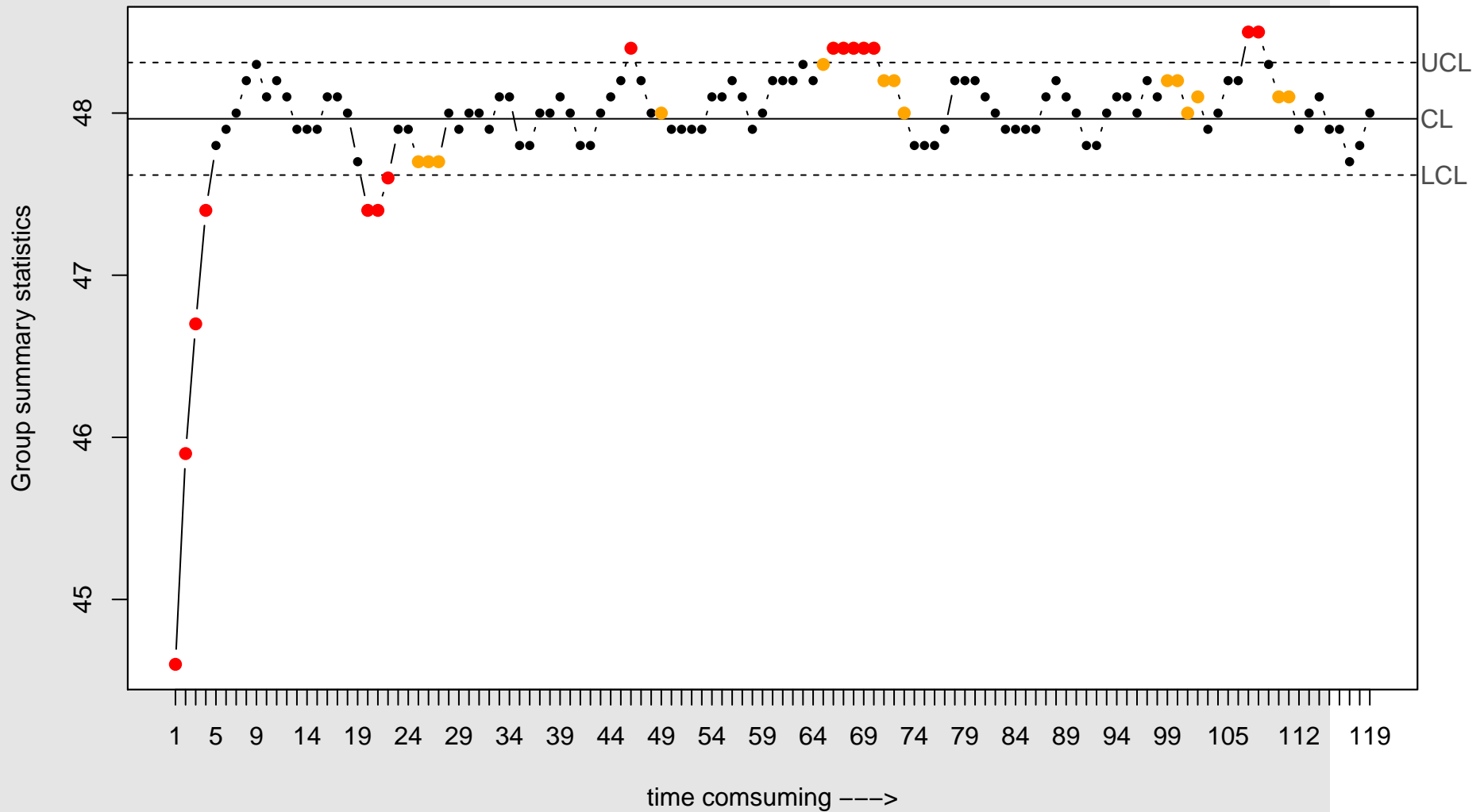
LCL = 47.67341

UCL = 48.44424

Number beyond limits = 12

Number violating runs = 30

## 201th column point of this product



Number of groups = 119

Center = 47.96471

StdDev = 0.115699

LCL = 47.61761

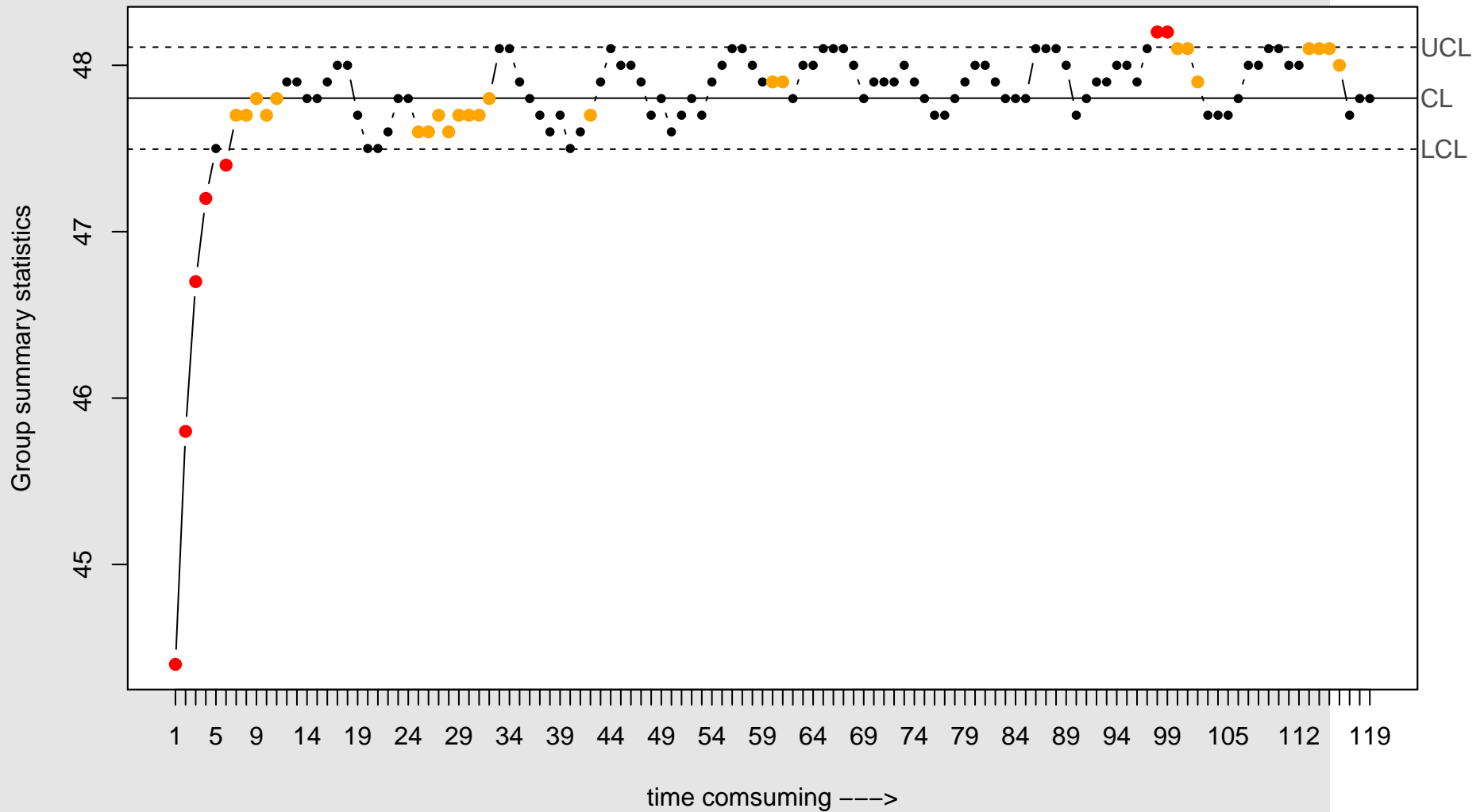
UCL = 48.3118

Number beyond limits = 15

Number violating runs = 19



## 202th column point of this product

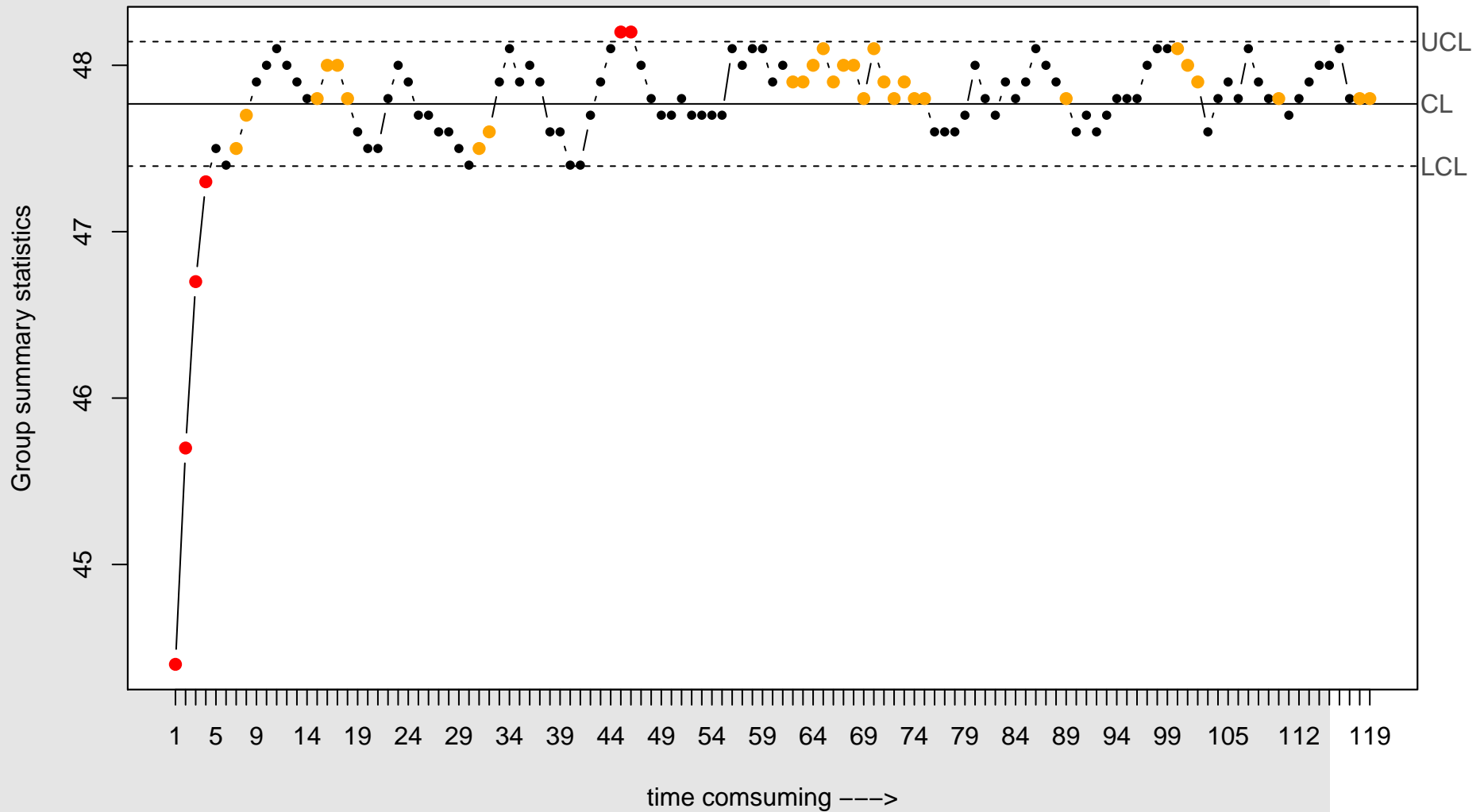


Number of groups = 119  
Center = 47.80252  
StdDev = 0.1021757

LCL = 47.49599  
UCL = 48.10905

Number beyond limits = 7  
Number violating runs = 25

## 203th column point of this product



Number of groups = 119

Center = 47.76807

StdDev = 0.1247145

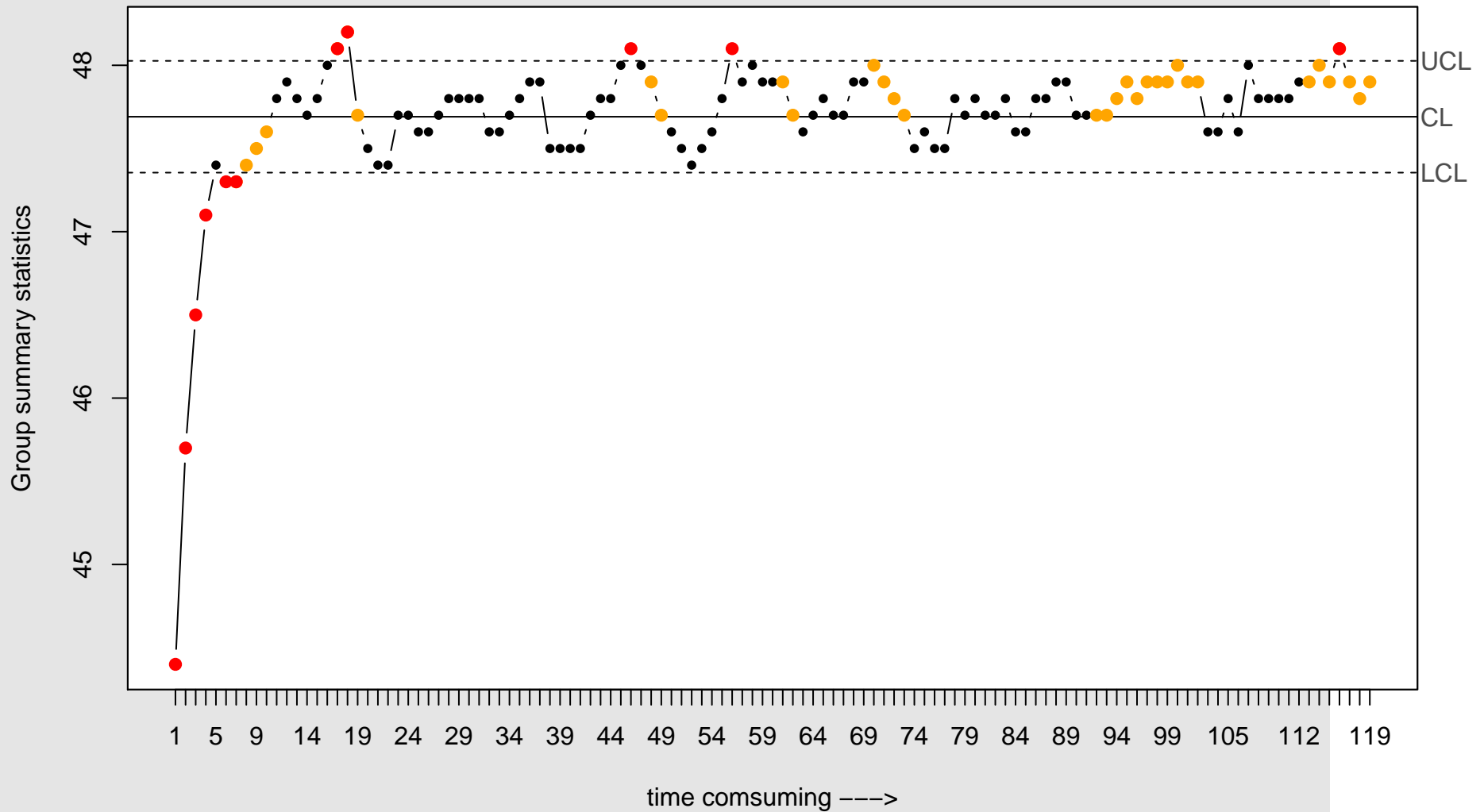
LCL = 47.39392

UCL = 48.14221

Number beyond limits = 6

Number violating runs = 29

## 204th column point of this product



Number of groups = 119

Center = 47.69076

StdDev = 0.1119425

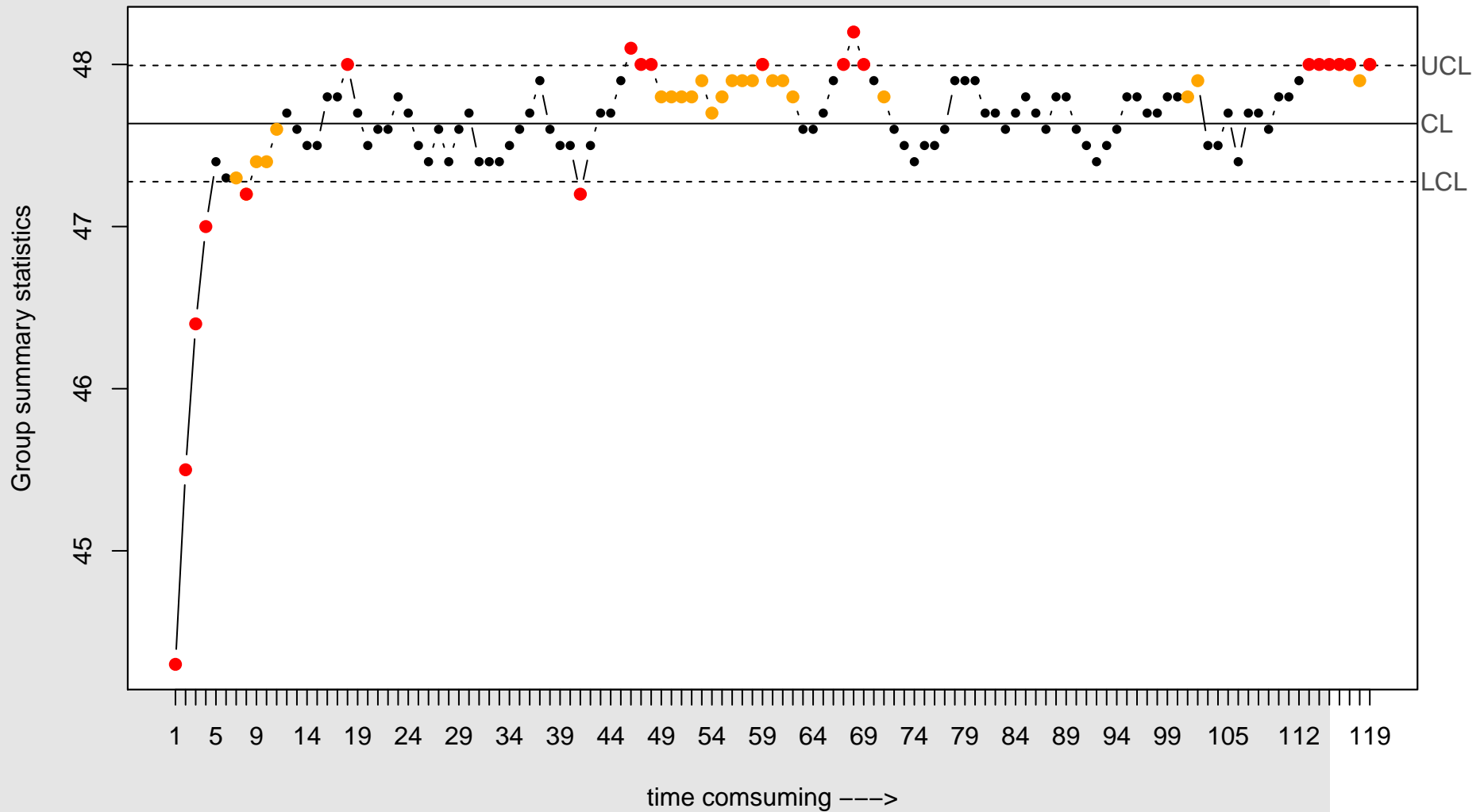
LCL = 47.35493

UCL = 48.02658

Number beyond limits = 11

Number violating runs = 33

## 205th column point of this product



Number of groups = 119

Center = 47.63529

StdDev = 0.1194555

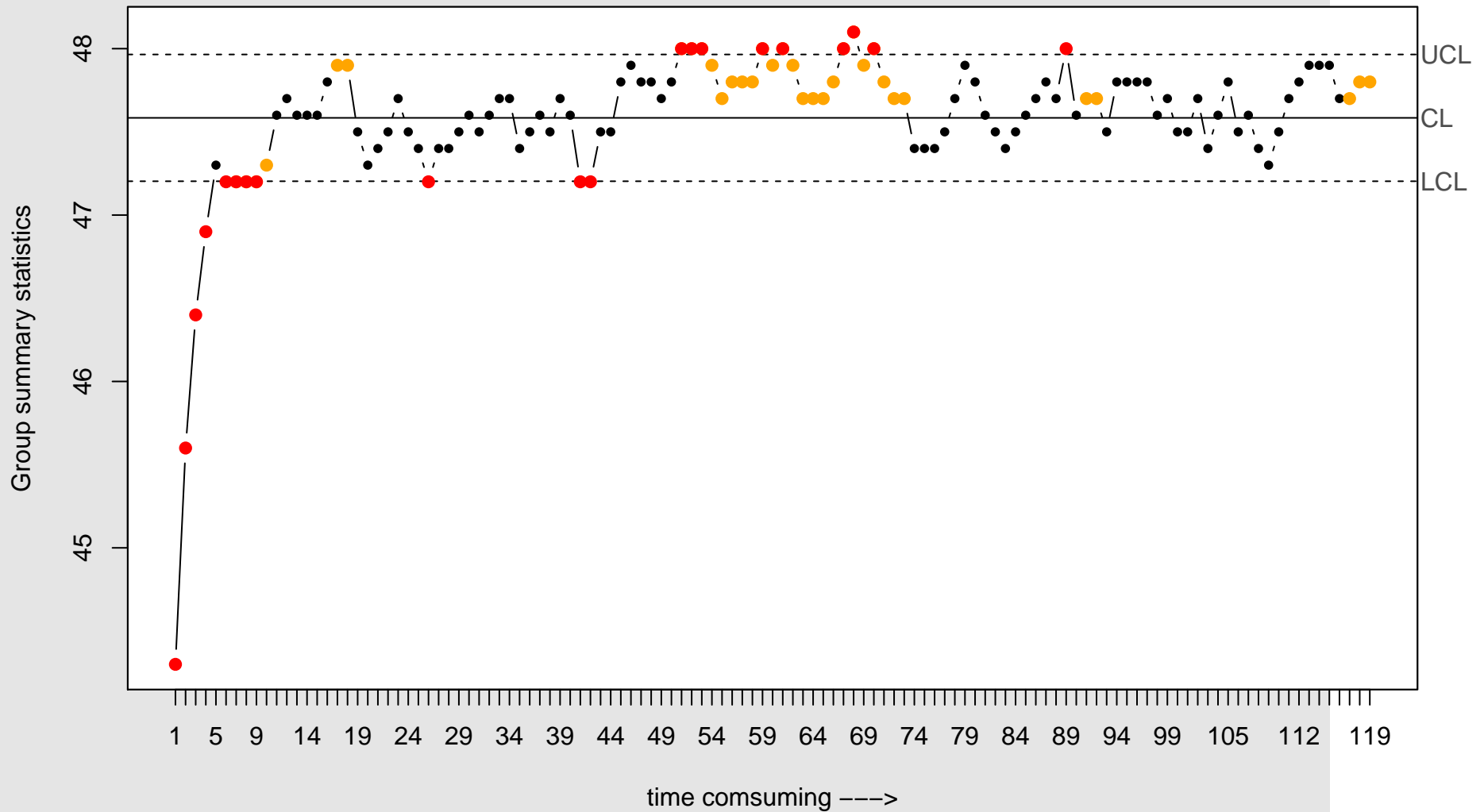
LCL = 47.27693

UCL = 47.99366

Number beyond limits = 20

Number violating runs = 26

## 206th column point of this product



Number of groups = 119

Center = 47.58403

StdDev = 0.1269684

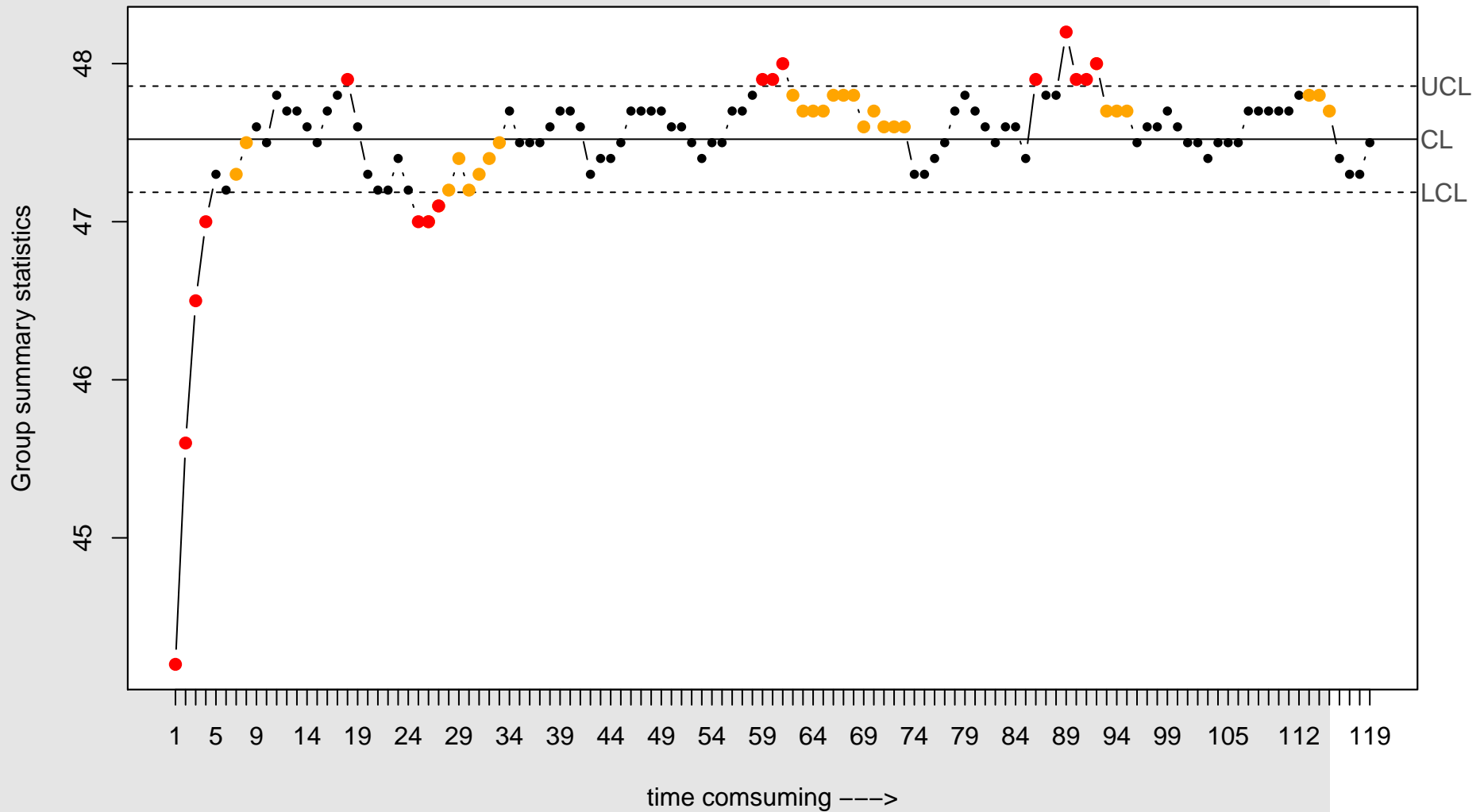
LCL = 47.20313

UCL = 47.96494

Number beyond limits = 20

Number violating runs = 34

## 207th column point of this product



Number of groups = 119

Center = 47.52185

StdDev = 0.1119425

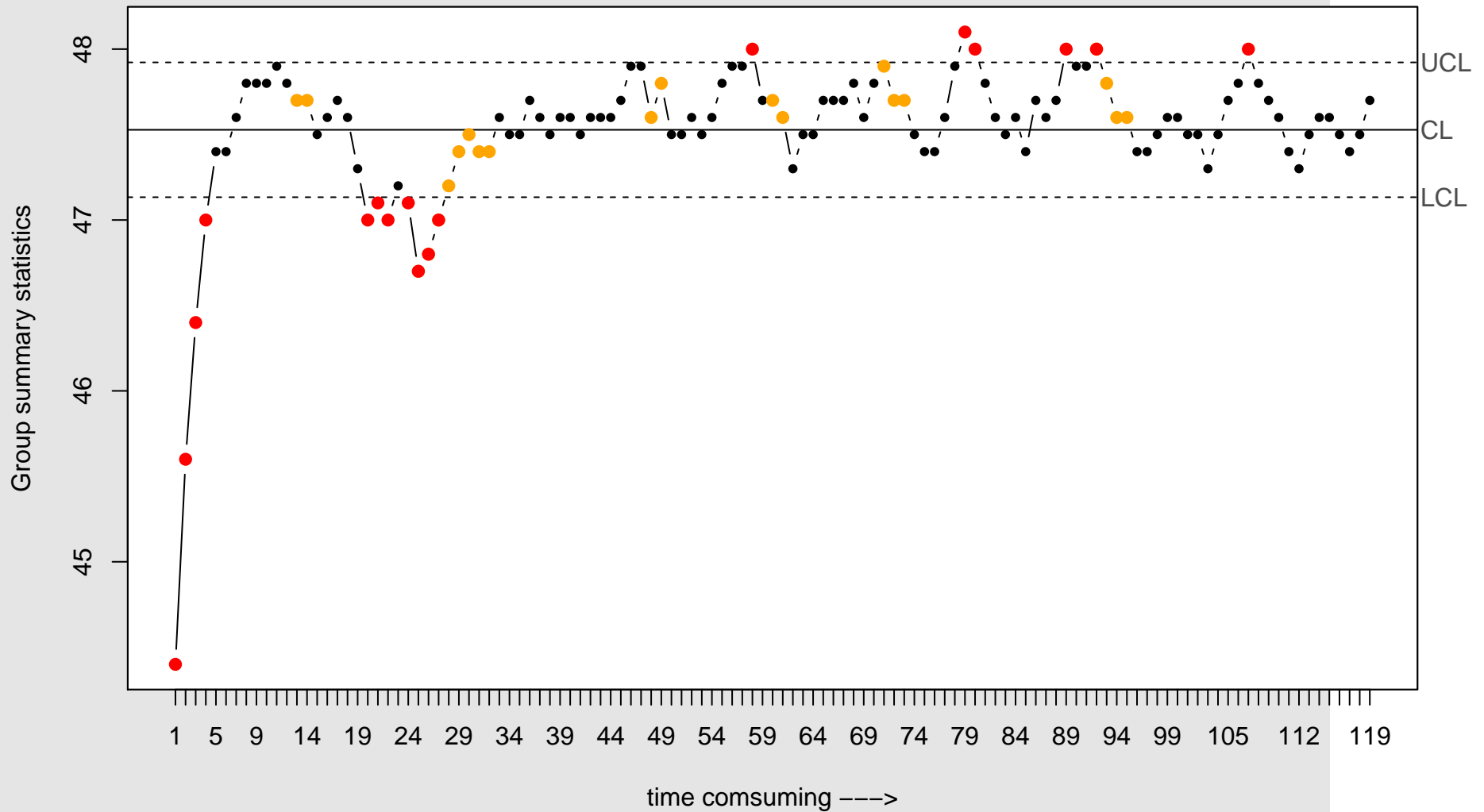
LCL = 47.18602

UCL = 47.85768

Number beyond limits = 16

Number violating runs = 29

## 208th column point of this product



Number of groups = 119

Center = 47.52773

StdDev = 0.1314761

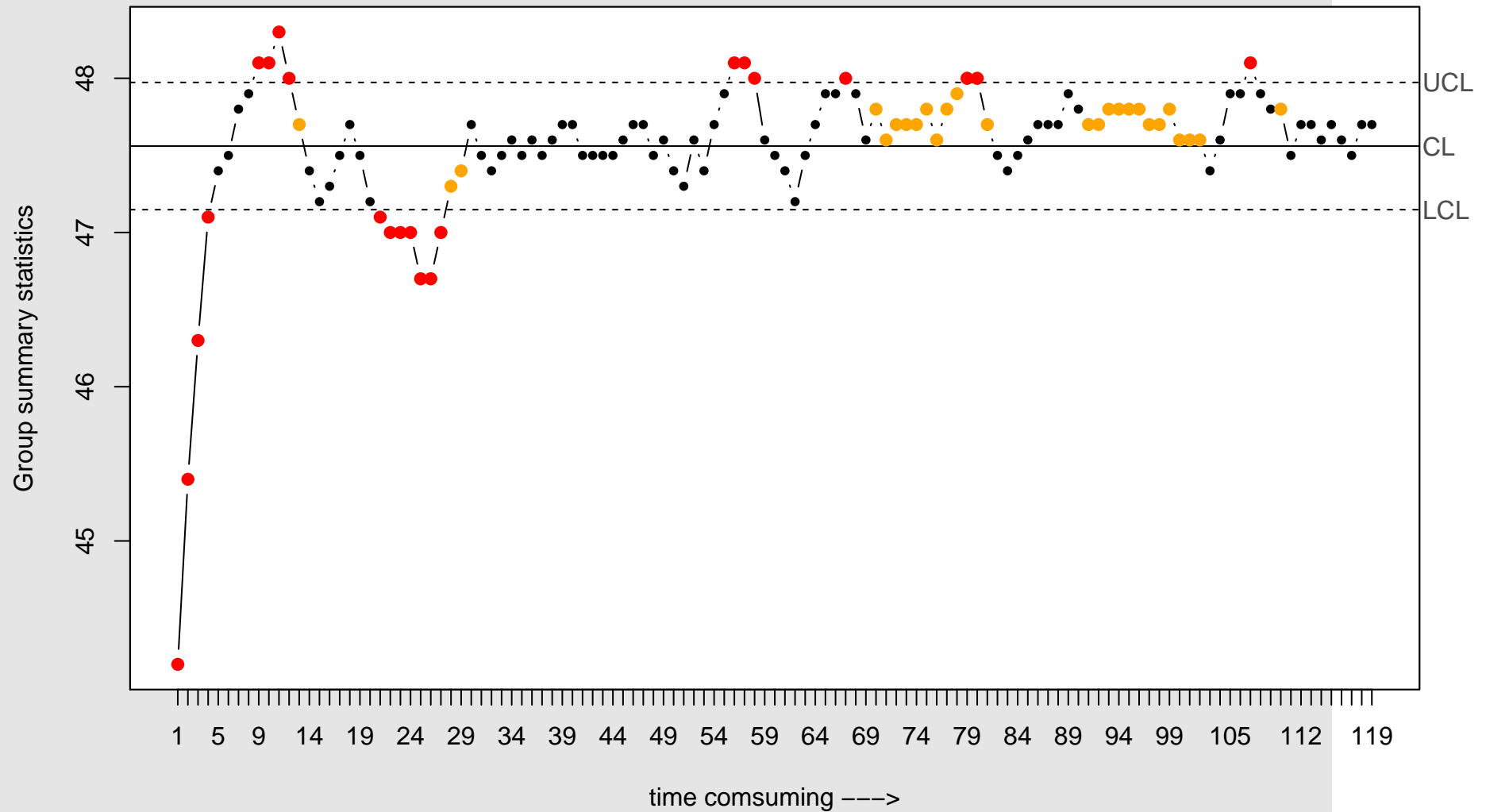
LCL = 47.1333

UCL = 47.92216

Number beyond limits = 17

Number violating runs = 21

## 209th column point of this product



Number of groups = 119

Center = 47.5605

StdDev = 0.1374865

LCL = 47.14804

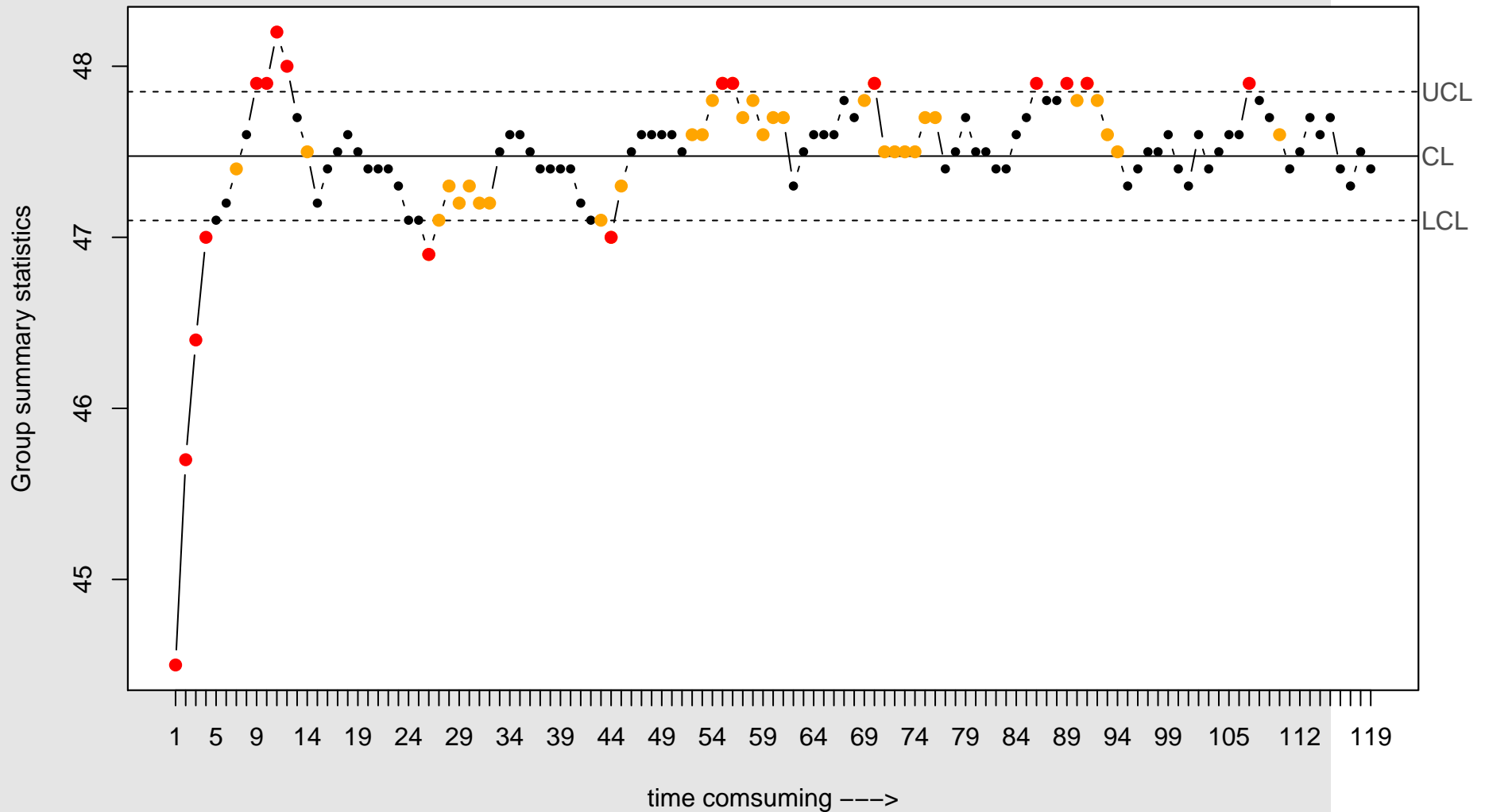
UCL = 47.97296

Number beyond limits = 22

Number violating runs = 31



## 210th column point of this product



Number of groups = 119

Center = 47.47479

StdDev = 0.1254658

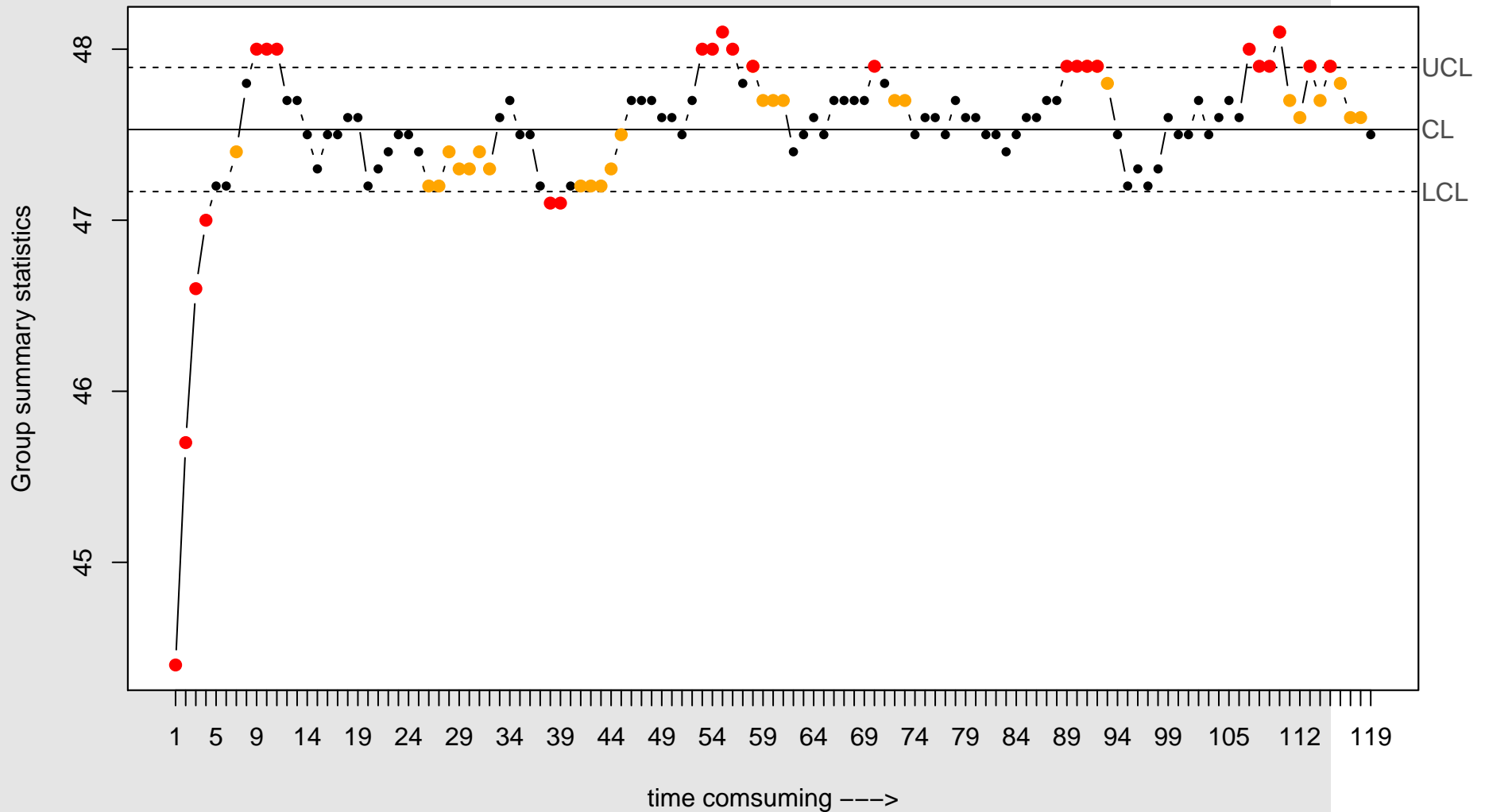
LCL = 47.09839

UCL = 47.85119

Number beyond limits = 17

Number violating runs = 36

## 211th column point of this product



Number of groups = 119

Center = 47.53025

StdDev = 0.120958

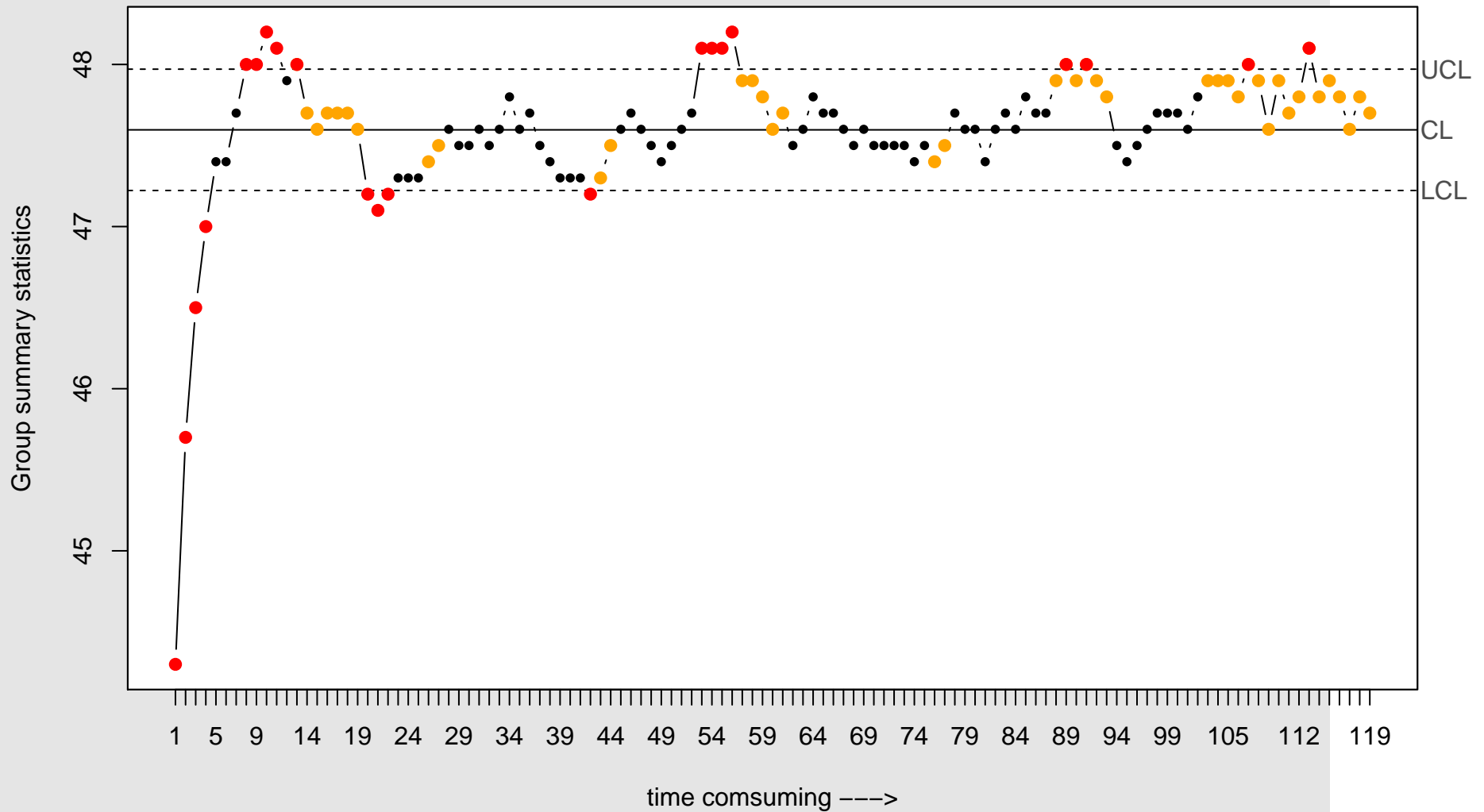
LCL = 47.16738

UCL = 47.89313

Number beyond limits = 25

Number violating runs = 31

## 212th column point of this product



Number of groups = 119

Center = 47.59664

StdDev = 0.1247145

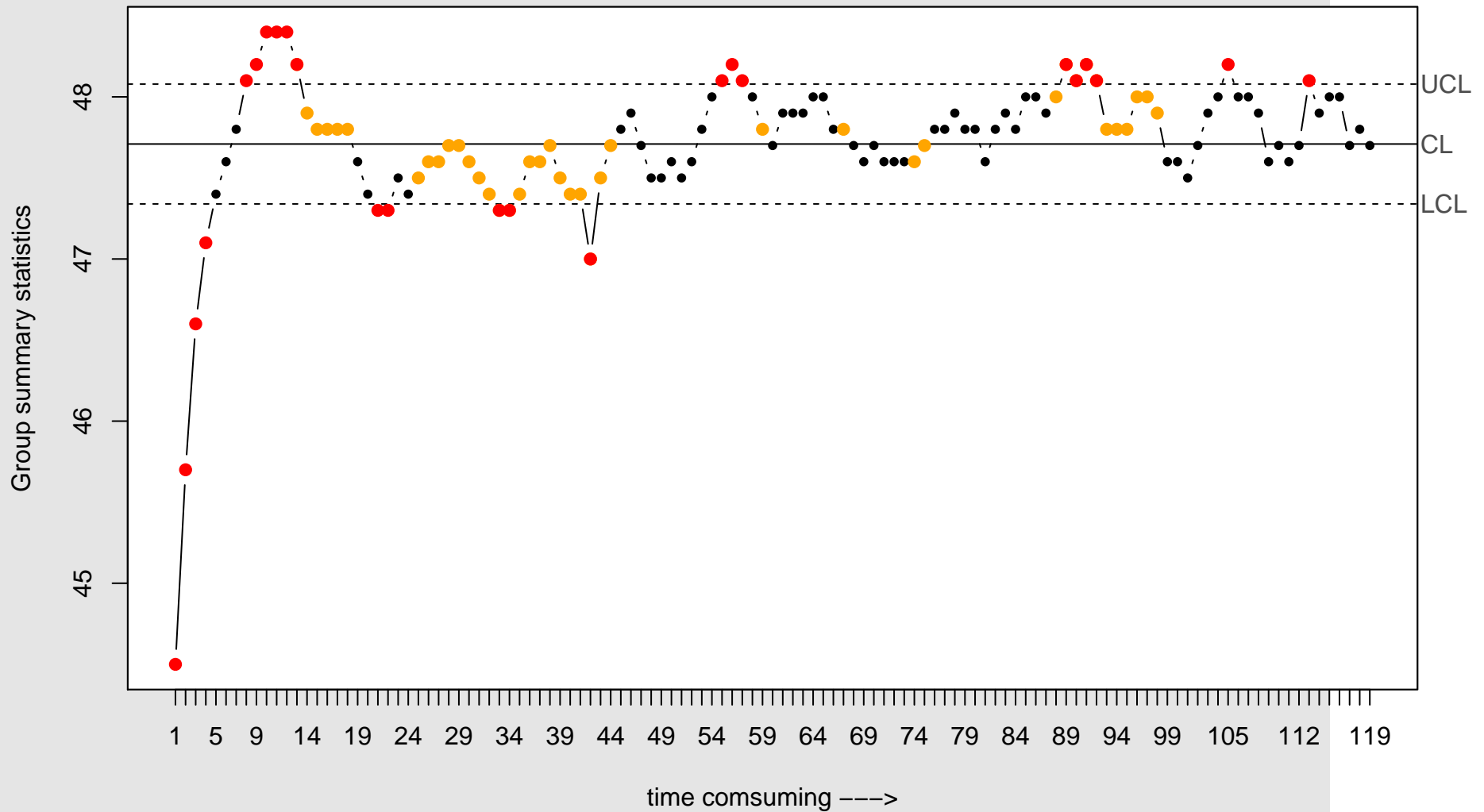
LCL = 47.2225

UCL = 47.97078

Number beyond limits = 21

Number violating runs = 41

## 213th column point of this product



Number of groups = 119

Center = 47.70924

StdDev = 0.1232119

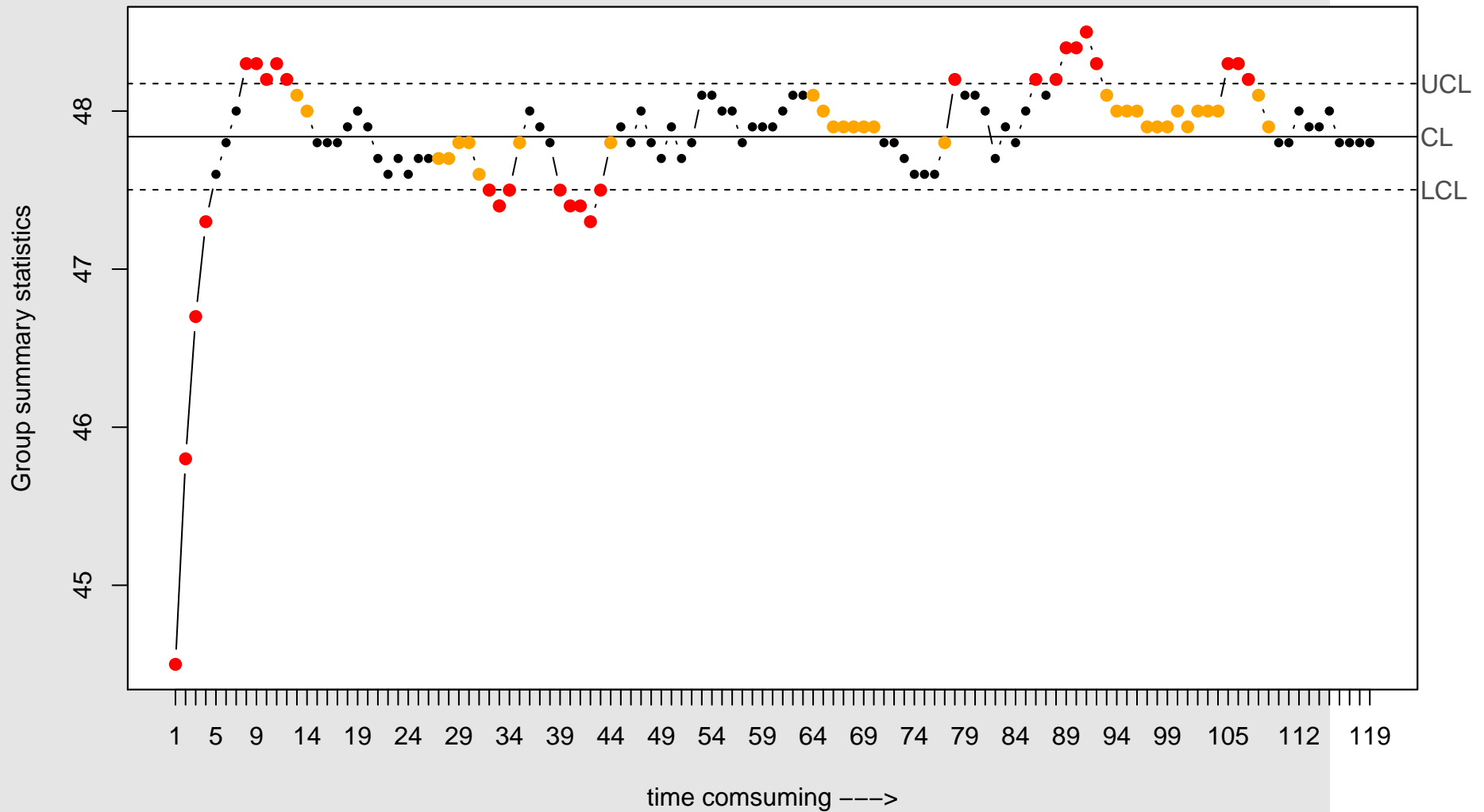
LCL = 47.33961

UCL = 48.07888

Number beyond limits = 24

Number violating runs = 41

## 214th column point of this product



Number of groups = 119

Center = 47.83782

StdDev = 0.1119425

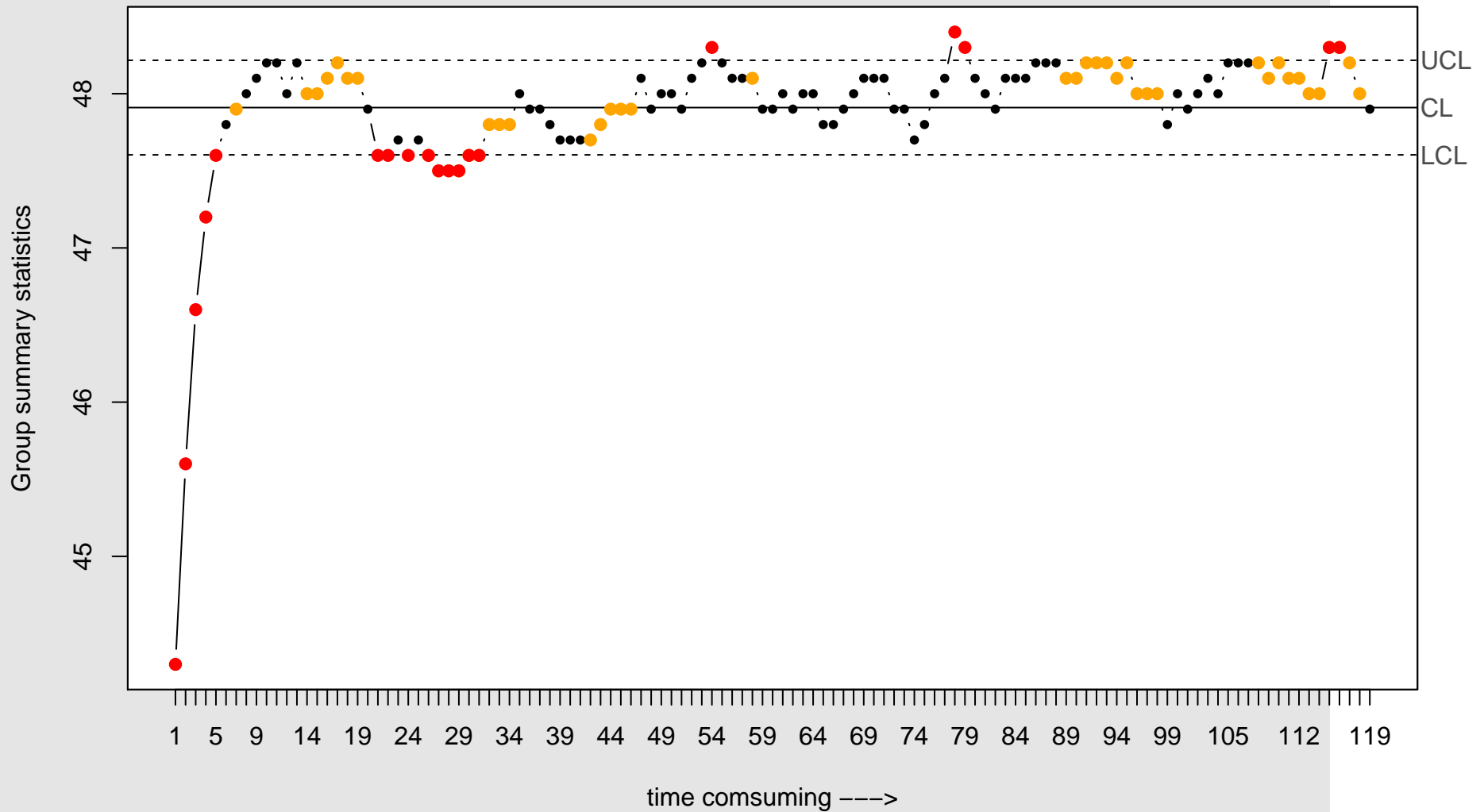
LCL = 47.50199

UCL = 48.17364

Number beyond limits = 27

Number violating runs = 39

## 215th column point of this product



Number of groups = 119

Center = 47.91008

StdDev = 0.1021757

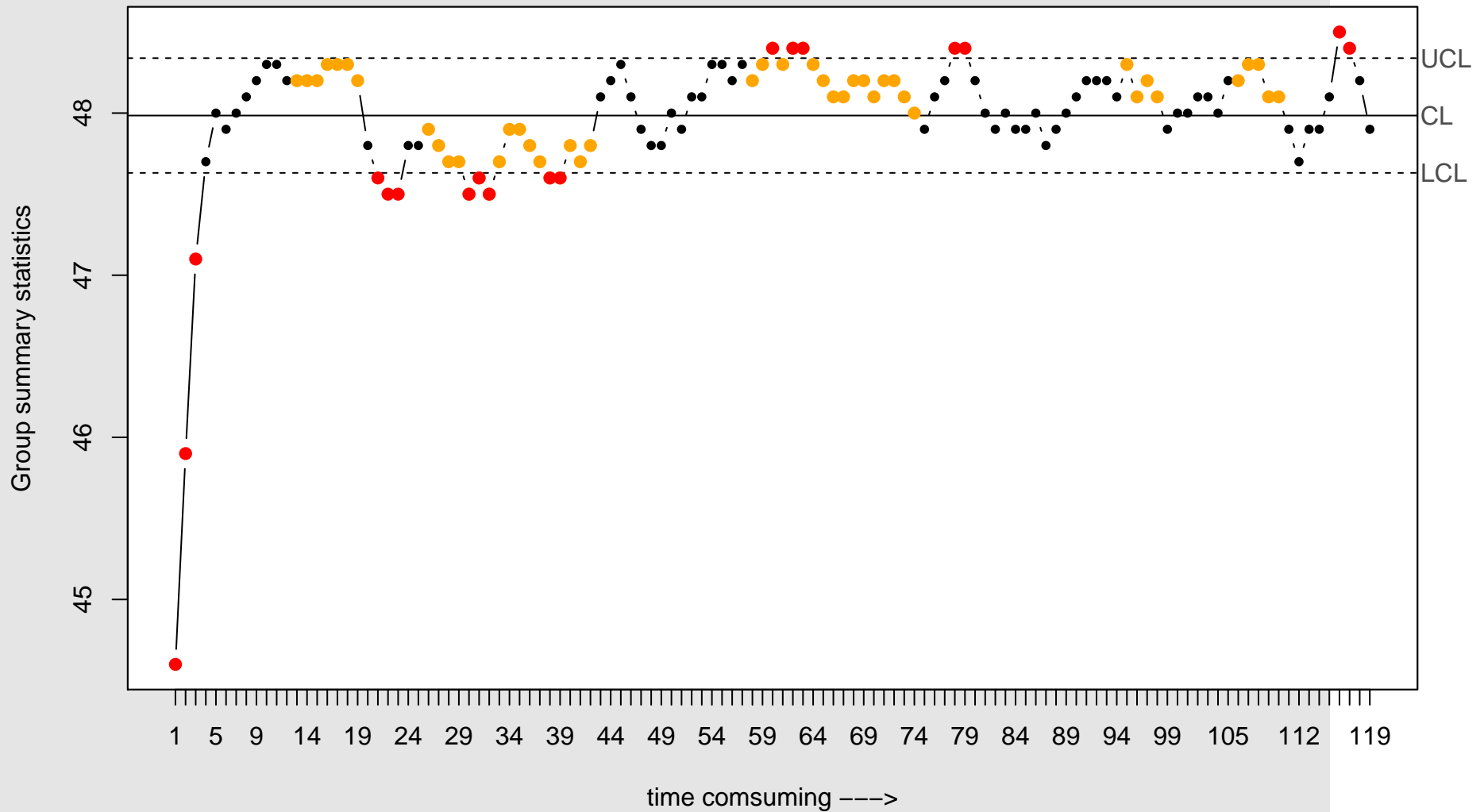
LCL = 47.60356

UCL = 48.21661

Number beyond limits = 19

Number violating runs = 43

## 216th column point of this product



Number of groups = 119

Center = 47.98487

StdDev = 0.1179529

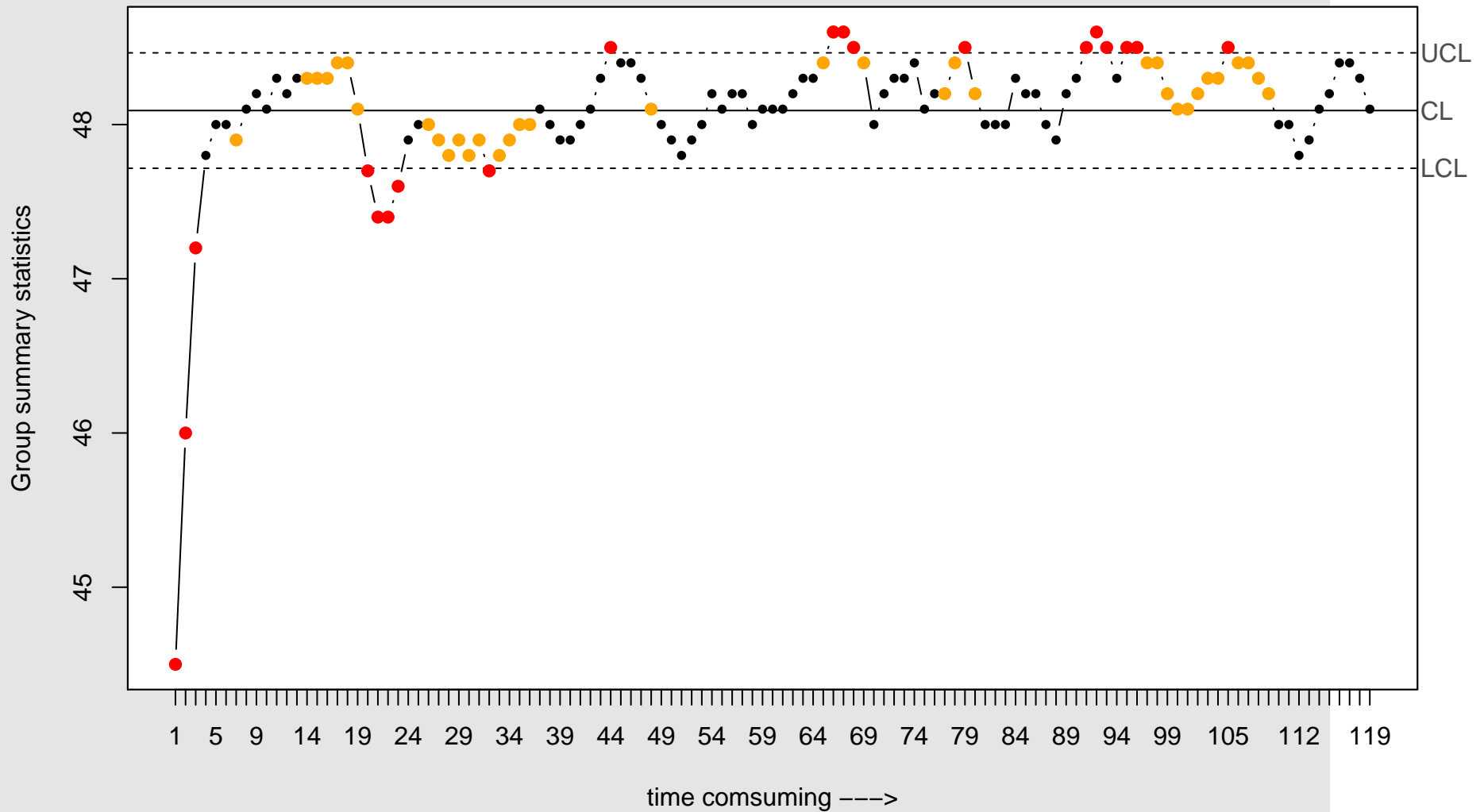
LCL = 47.63102

UCL = 48.33873

Number beyond limits = 18

Number violating runs = 50

## 217th column point of this product



Number of groups = 119

Center = 48.09076

StdDev = 0.1247145

LCL = 47.71661

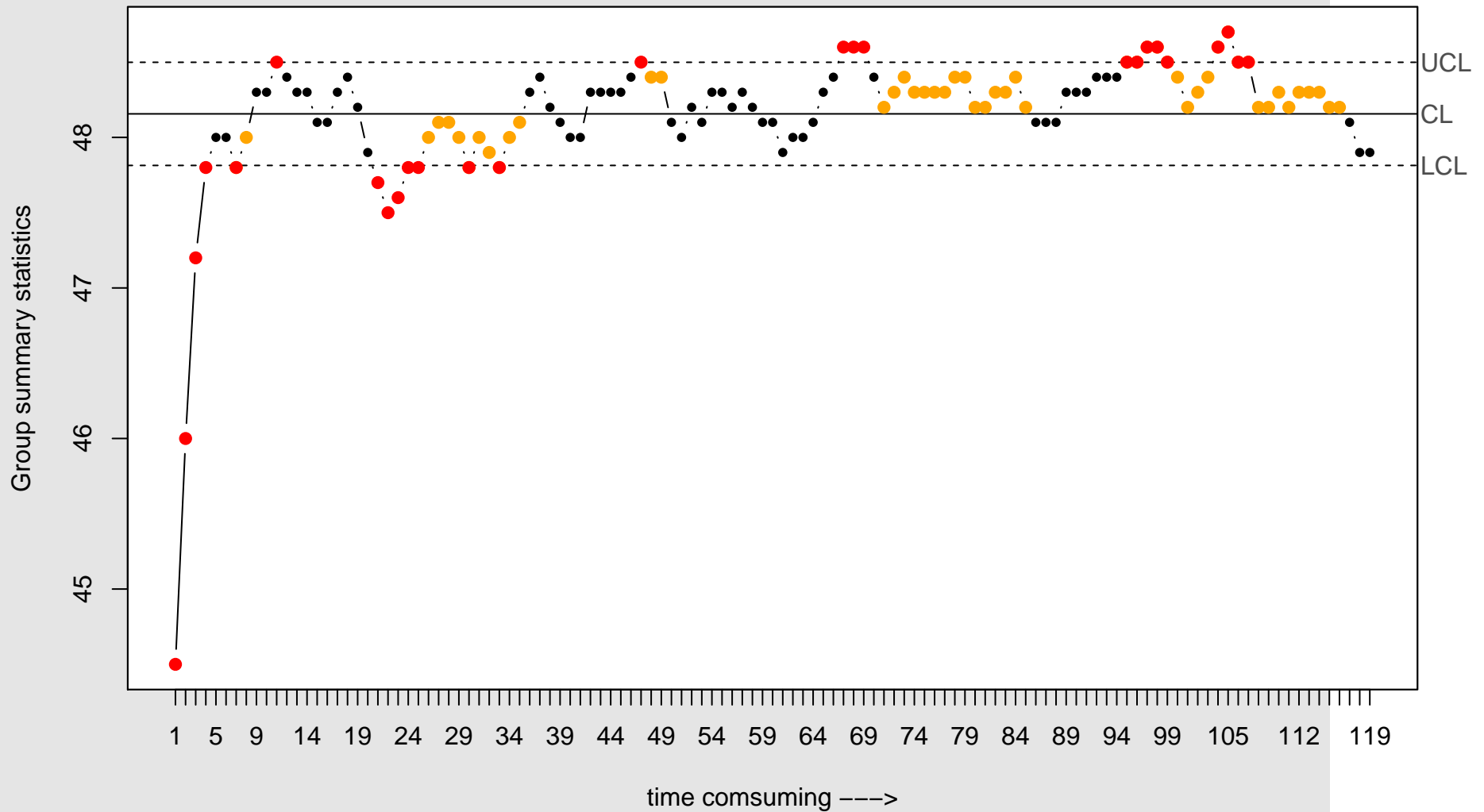
UCL = 48.4649

Number beyond limits = 19

Number violating runs = 43



## 218th column point of this product



Number of groups = 119

Center = 48.1563

StdDev = 0.1141964

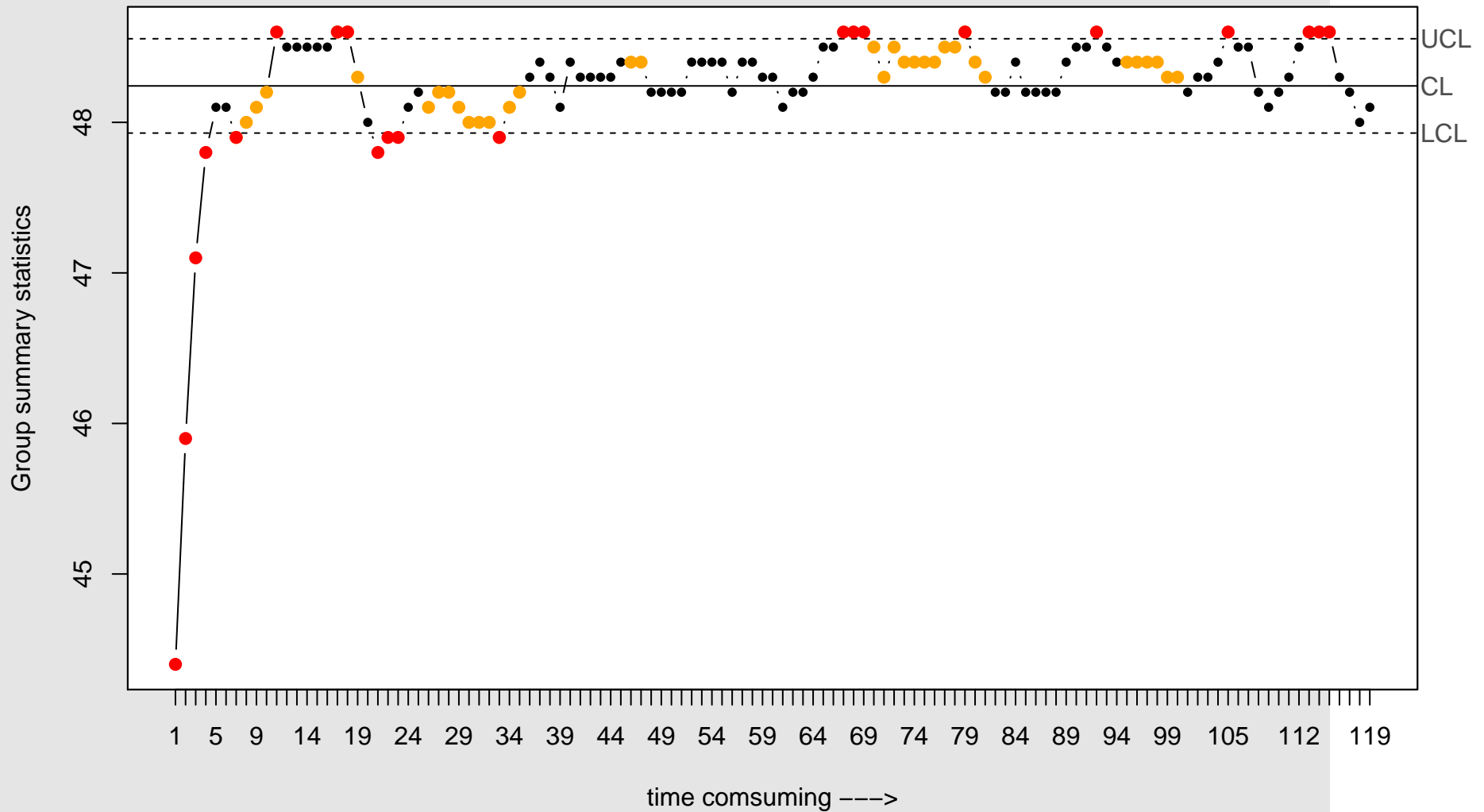
LCL = 47.81371

UCL = 48.49889

Number beyond limits = 26

Number violating runs = 51

## 219th column point of this product



Number of groups = 119

Center = 48.24202

StdDev = 0.1044296

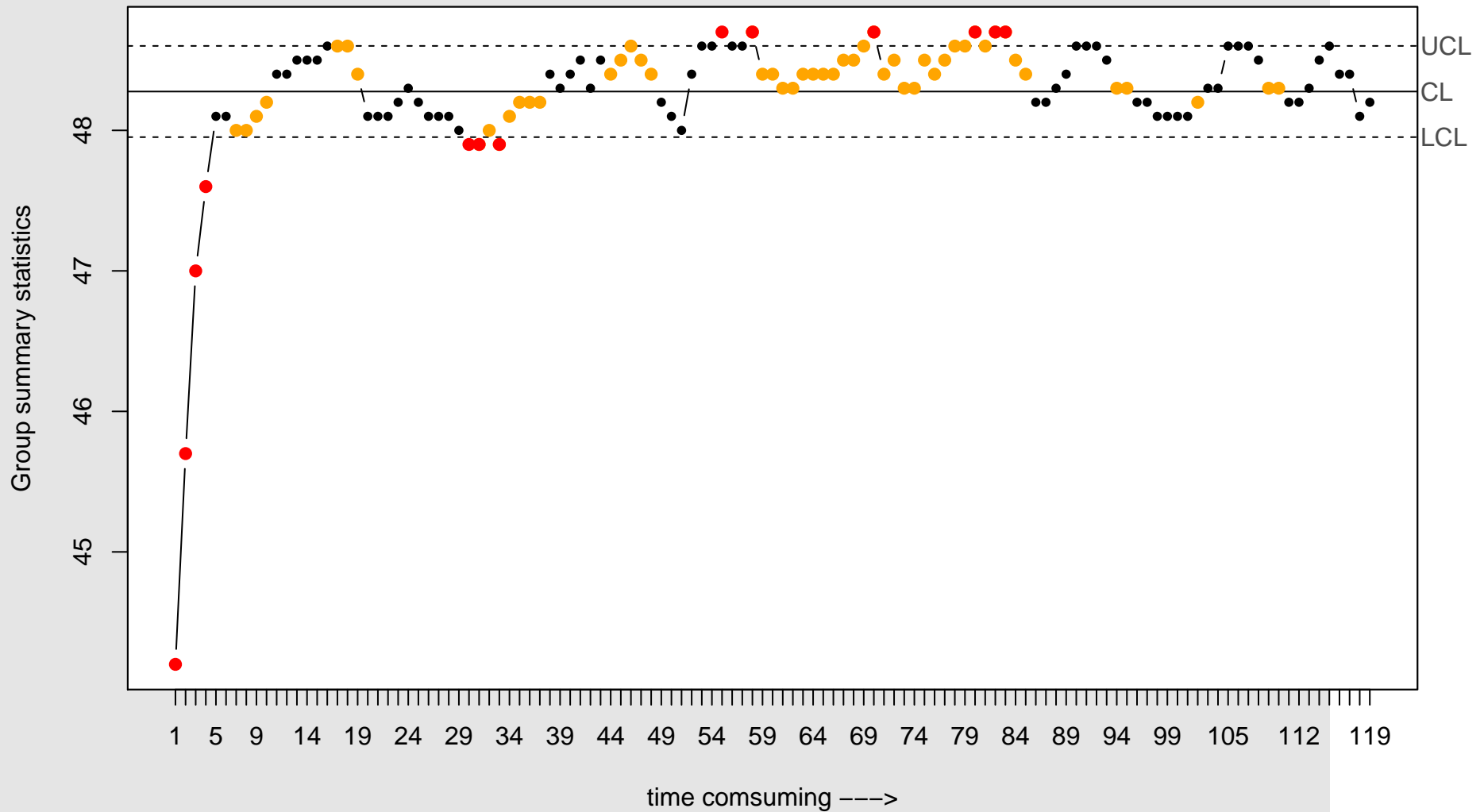
LCL = 47.92873

UCL = 48.55531

Number beyond limits = 21

Number violating runs = 37

## 220th column point of this product



Number of groups = 119

Center = 48.27647

StdDev = 0.1081861

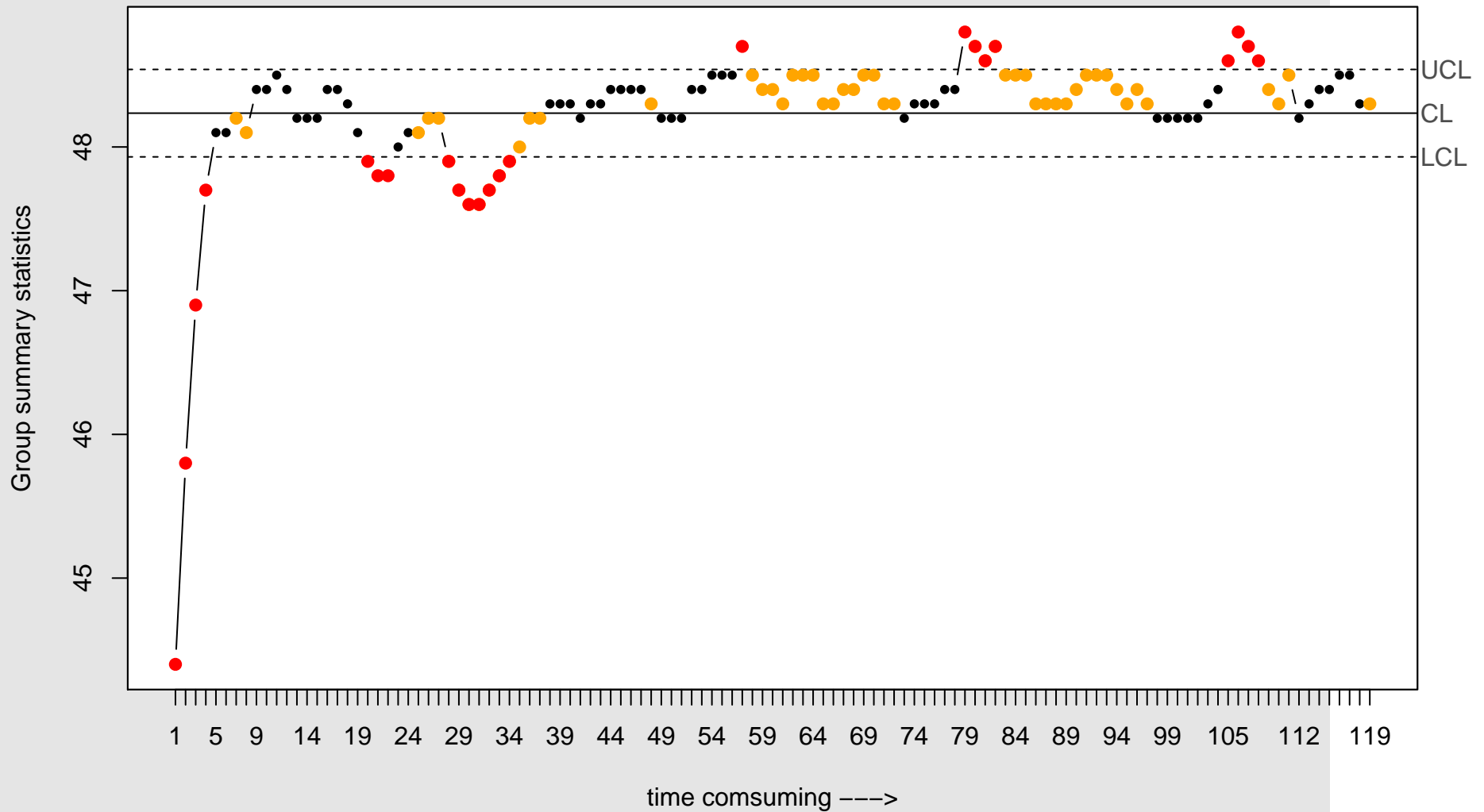
LCL = 47.95191

UCL = 48.60103

Number beyond limits = 13

Number violating runs = 52

## 221th column point of this product



Number of groups = 119

Center = 48.23529

StdDev = 0.1014245

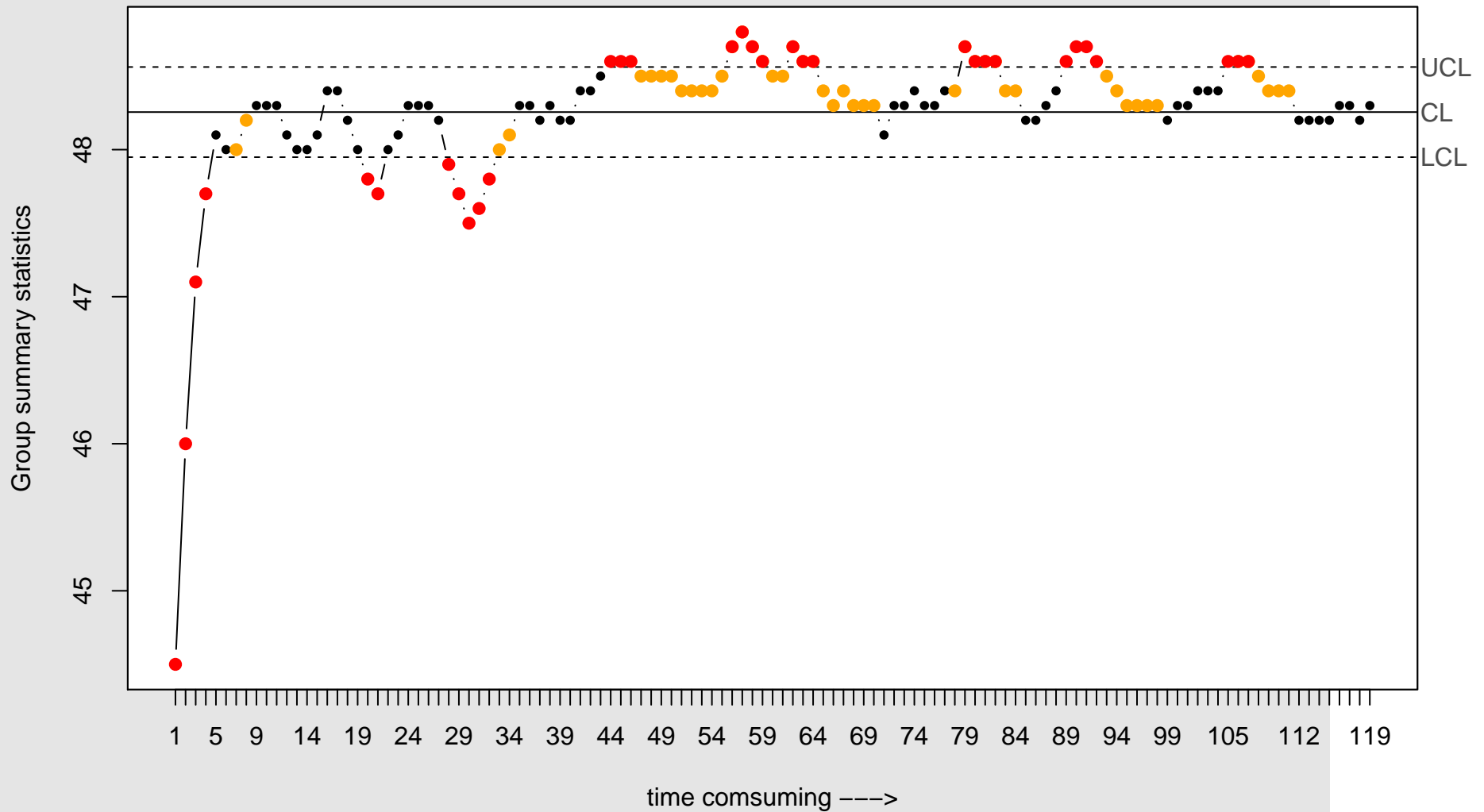
LCL = 47.93102

UCL = 48.53957

Number beyond limits = 23

Number violating runs = 53

## 222th column point of this product



Number of groups = 119

Center = 48.25546

StdDev = 0.1021757

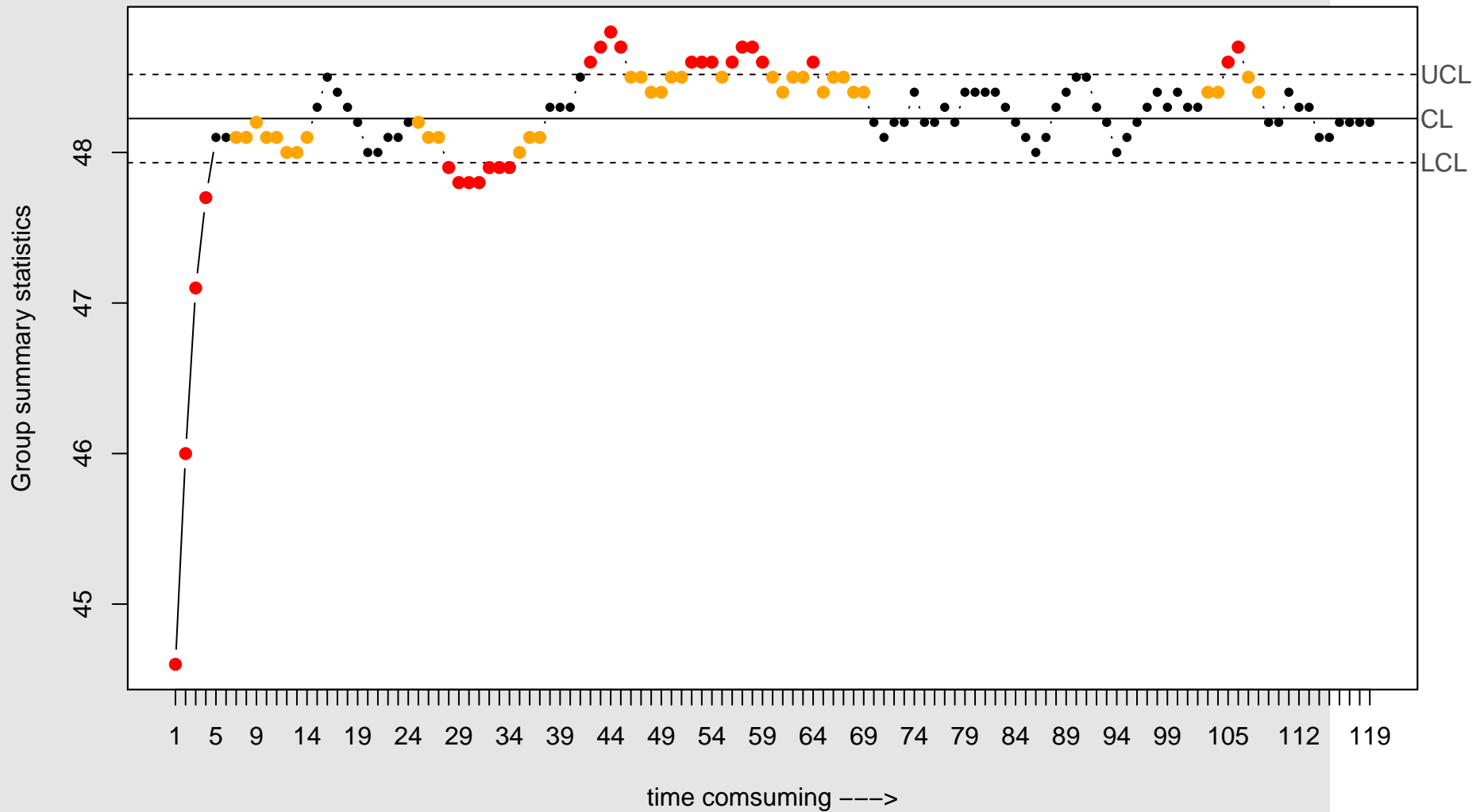
LCL = 47.94893

UCL = 48.56199

Number beyond limits = 32

Number violating runs = 47

## 223th column point of this product



Number of groups = 119

Center = 48.22521

StdDev = 0.09766799

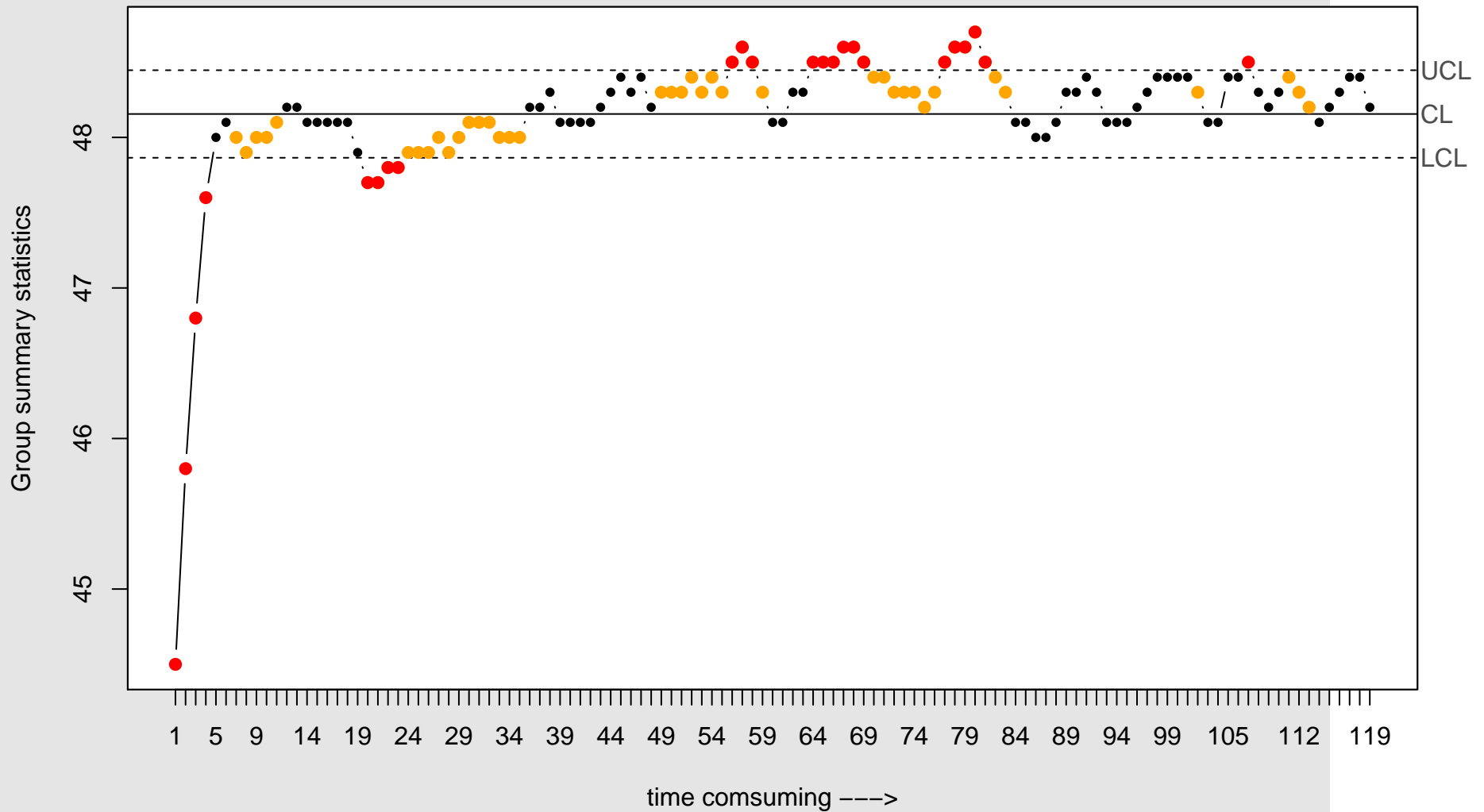
LCL = 47.93221

UCL = 48.51821

Number beyond limits = 25

Number violating runs = 53

## 224th column point of this product



Number of groups = 119

Center = 48.15546

StdDev = 0.0969167

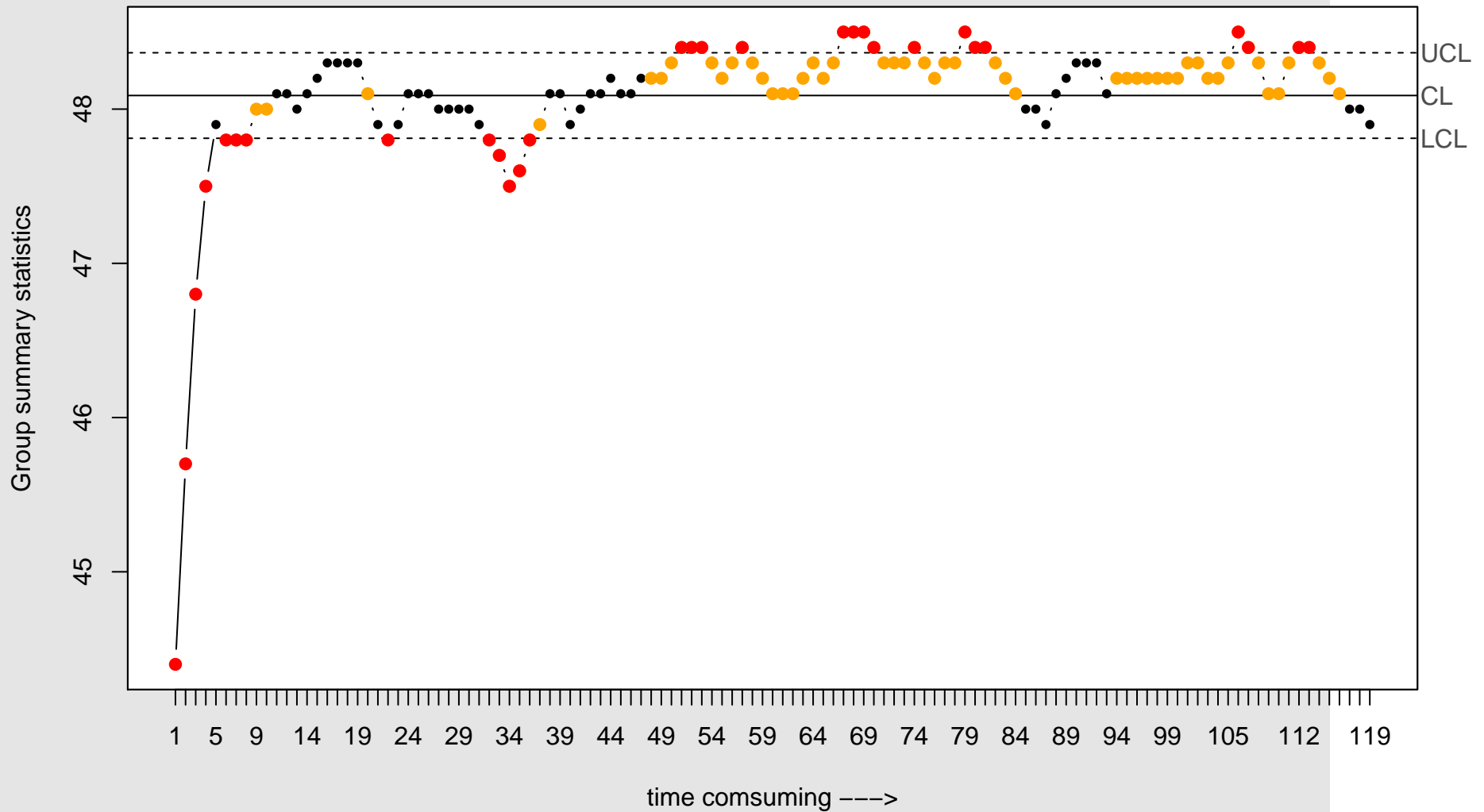
LCL = 47.86471

UCL = 48.44621

Number beyond limits = 23

Number violating runs = 52

## 225th column point of this product



Number of groups = 119

Center = 48.08824

StdDev = 0.09240894

LCL = 47.81101

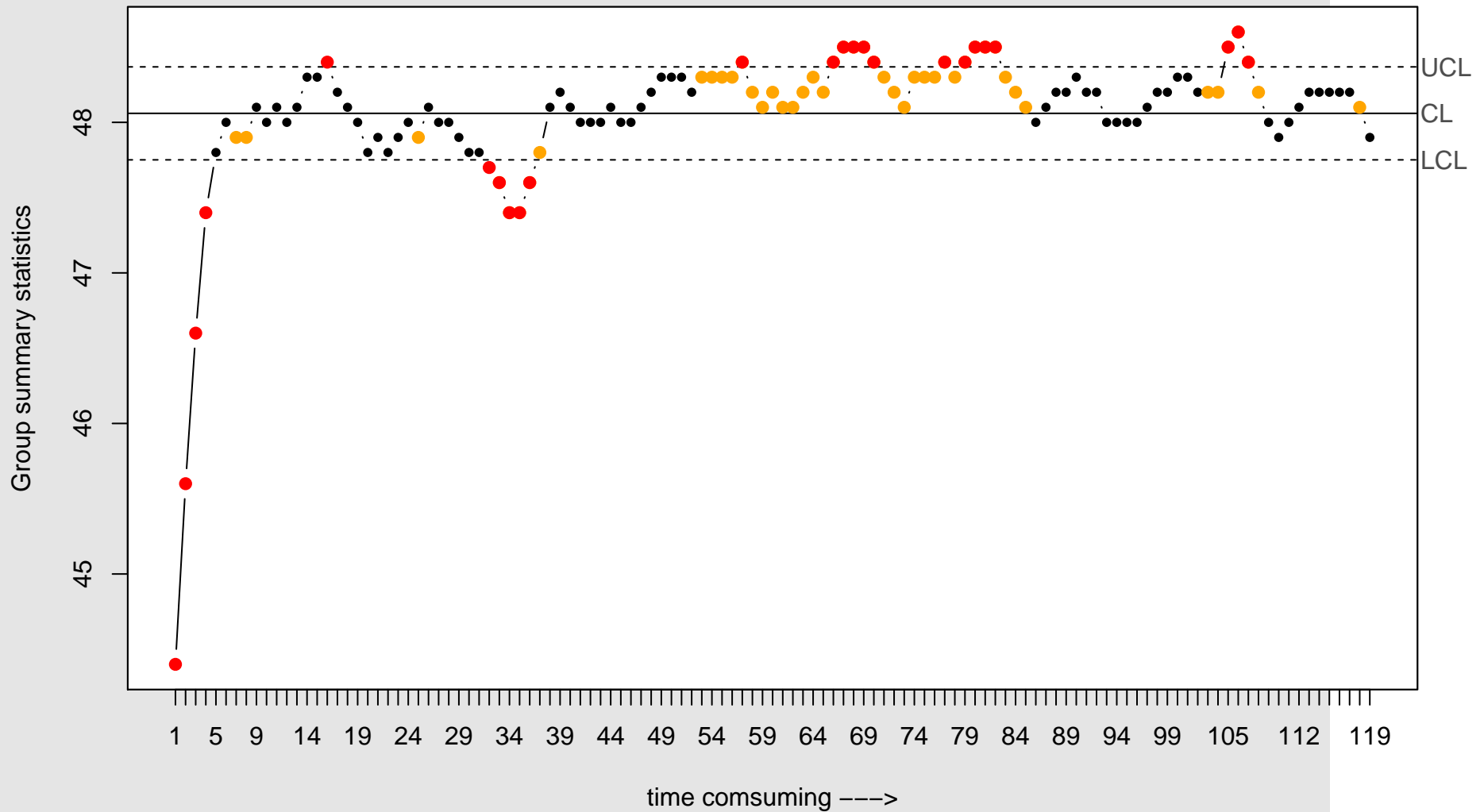
UCL = 48.36546

Number beyond limits = 29

Number violating runs = 70



## 226th column point of this product



Number of groups = 119

Center = 48.05966

StdDev = 0.102927

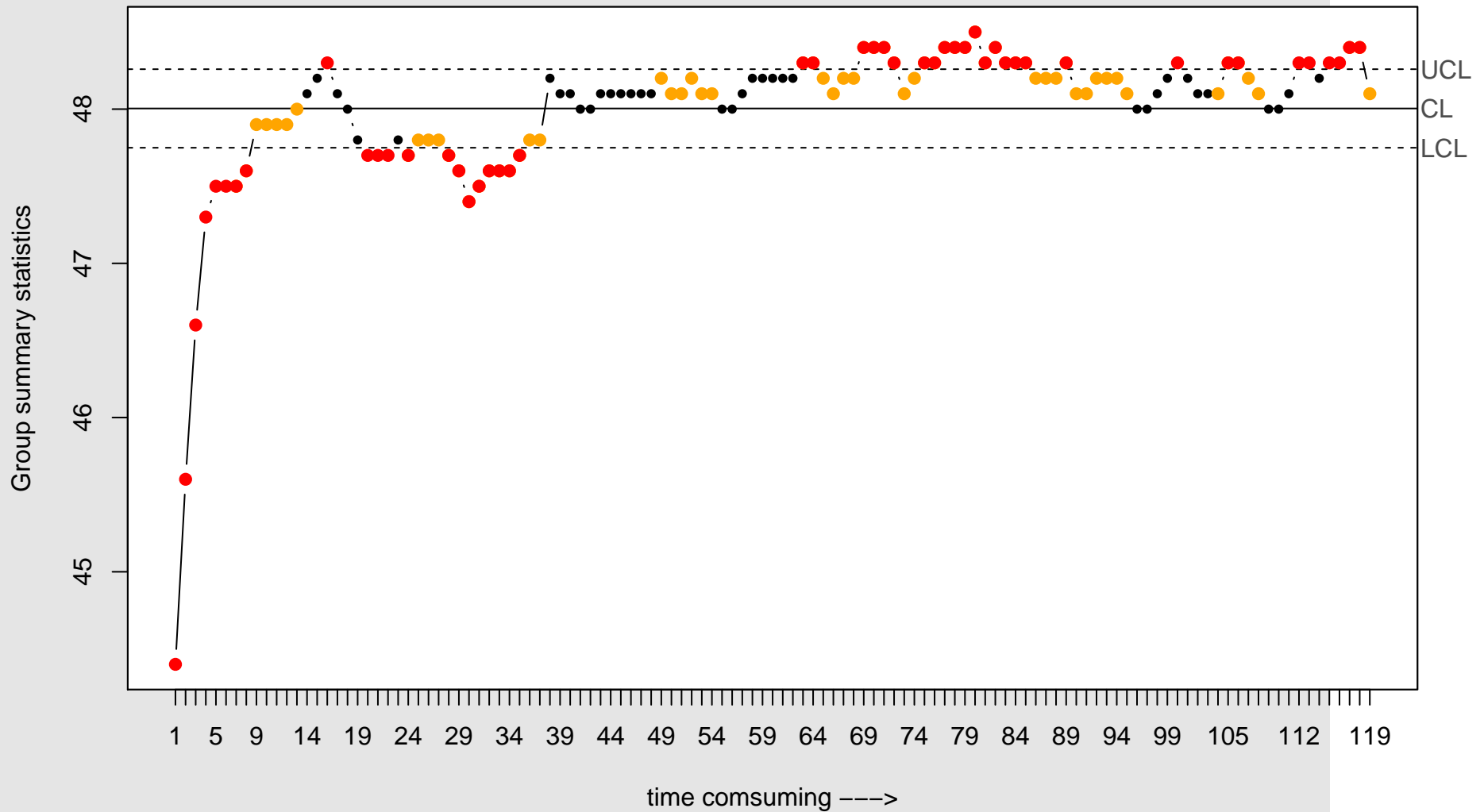
LCL = 47.75088

UCL = 48.36844

Number beyond limits = 24

Number violating runs = 48

## 227th column point of this product



Number of groups = 119

Center = 48.0042

StdDev = 0.08489602

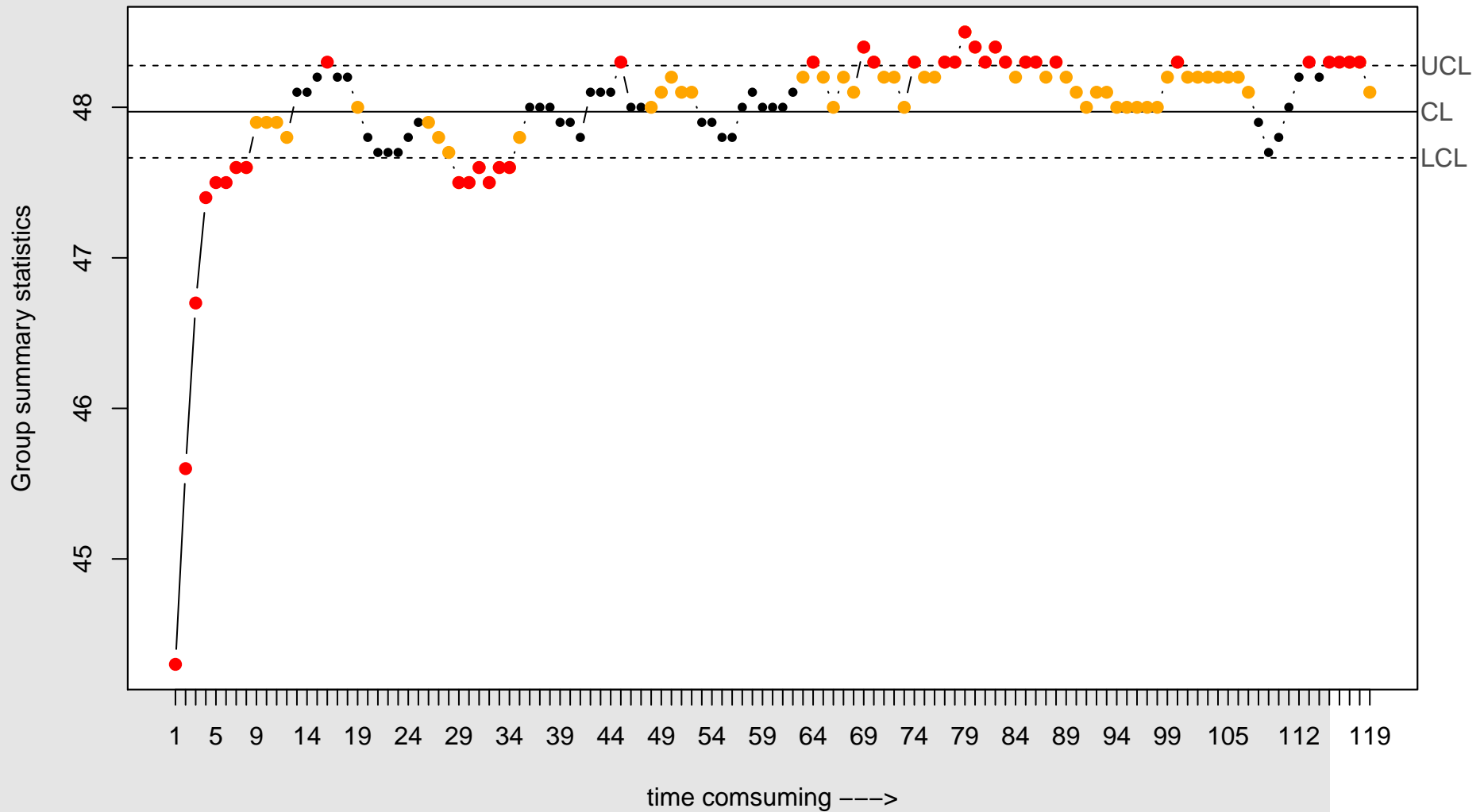
LCL = 47.74951

UCL = 48.25889

Number beyond limits = 48

Number violating runs = 68

## 228th column point of this product



Number of groups = 119

Center = 47.97059

StdDev = 0.1021757

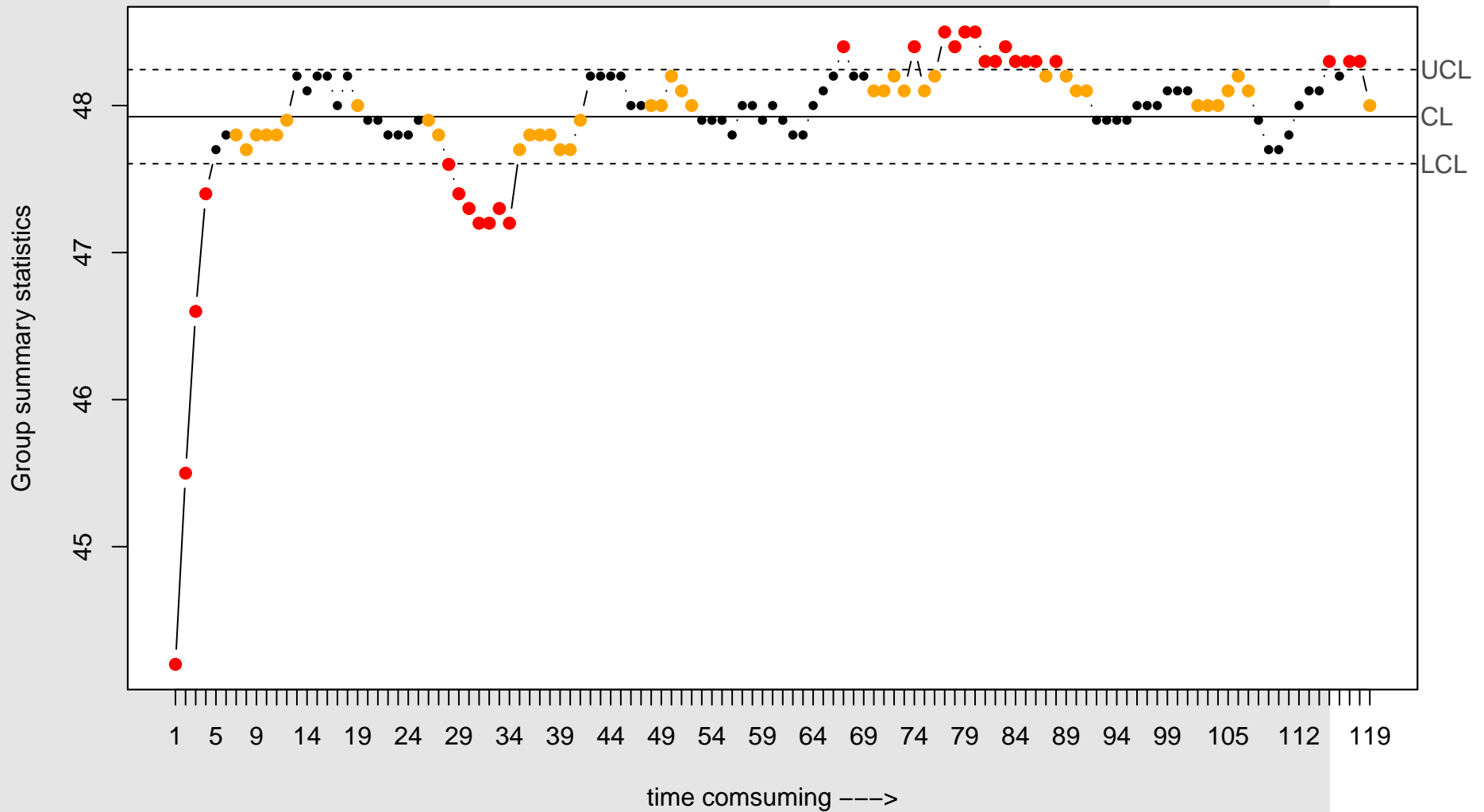
LCL = 47.66406

UCL = 48.27712

Number beyond limits = 36

Number violating runs = 70

## 229th column point of this product



Number of groups = 119

Center = 47.92437

StdDev = 0.1066835

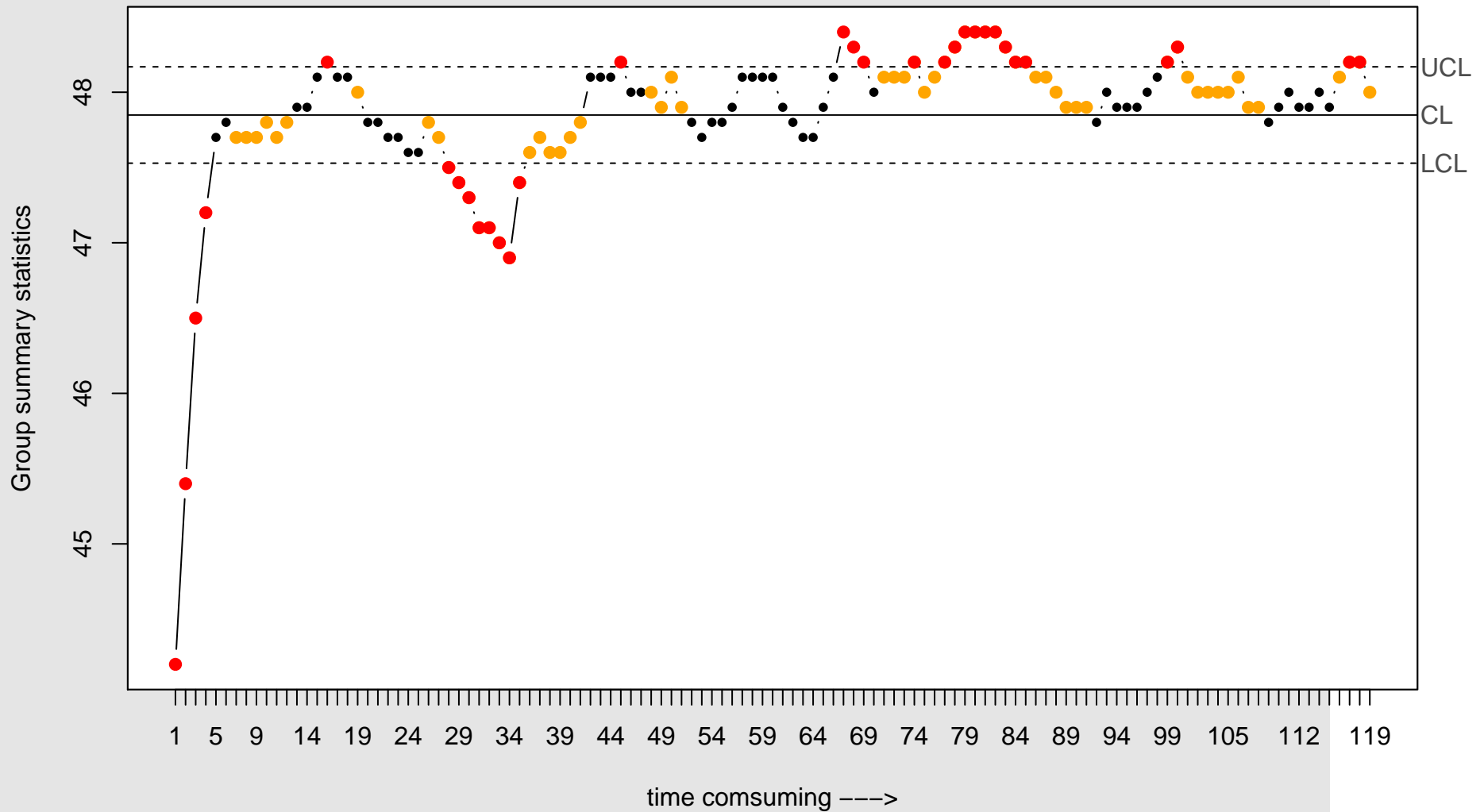
LCL = 47.60432

UCL = 48.24442

Number beyond limits = 27

Number violating runs = 58

## 230th column point of this product



Number of groups = 119

Center = 47.84874

StdDev = 0.1066835

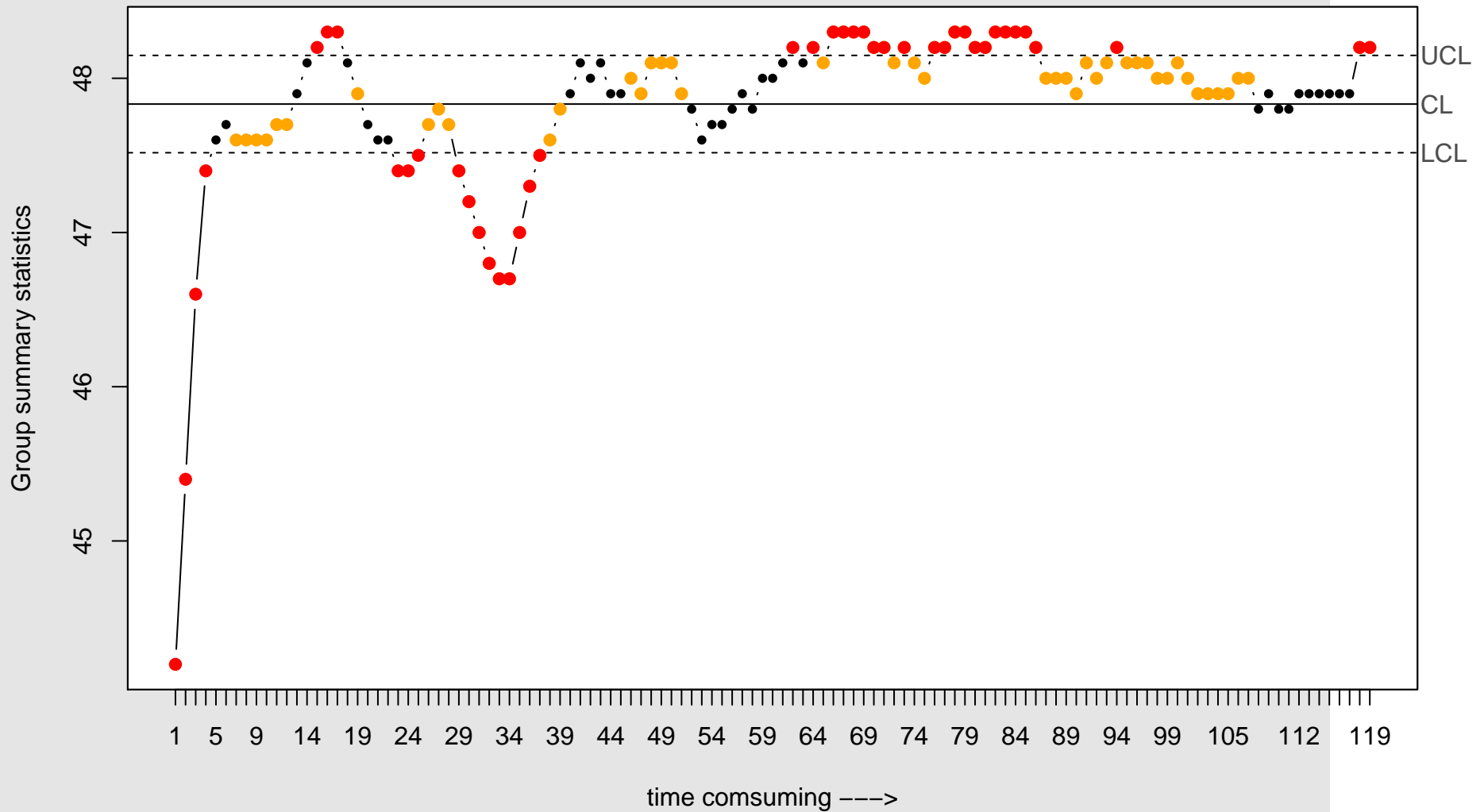
LCL = 47.52869

UCL = 48.16879

Number beyond limits = 31

Number violating runs = 62

## 231th column point of this product



Number of groups = 119

Center = 47.83277

StdDev = 0.1051809

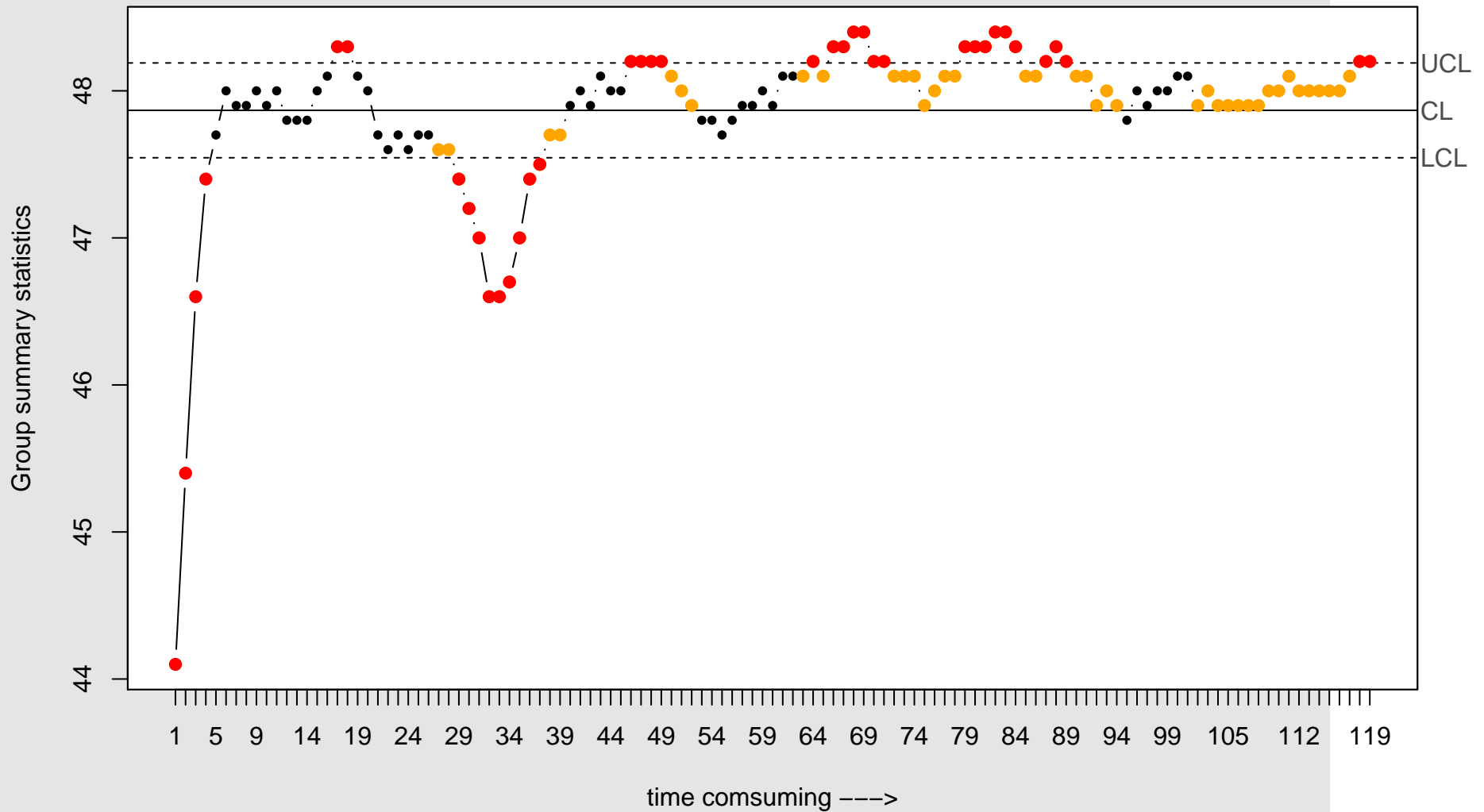
LCL = 47.51723

UCL = 48.14832

Number beyond limits = 42

Number violating runs = 72

## 232th column point of this product



Number of groups = 119

Center = 47.86723

StdDev = 0.1074348

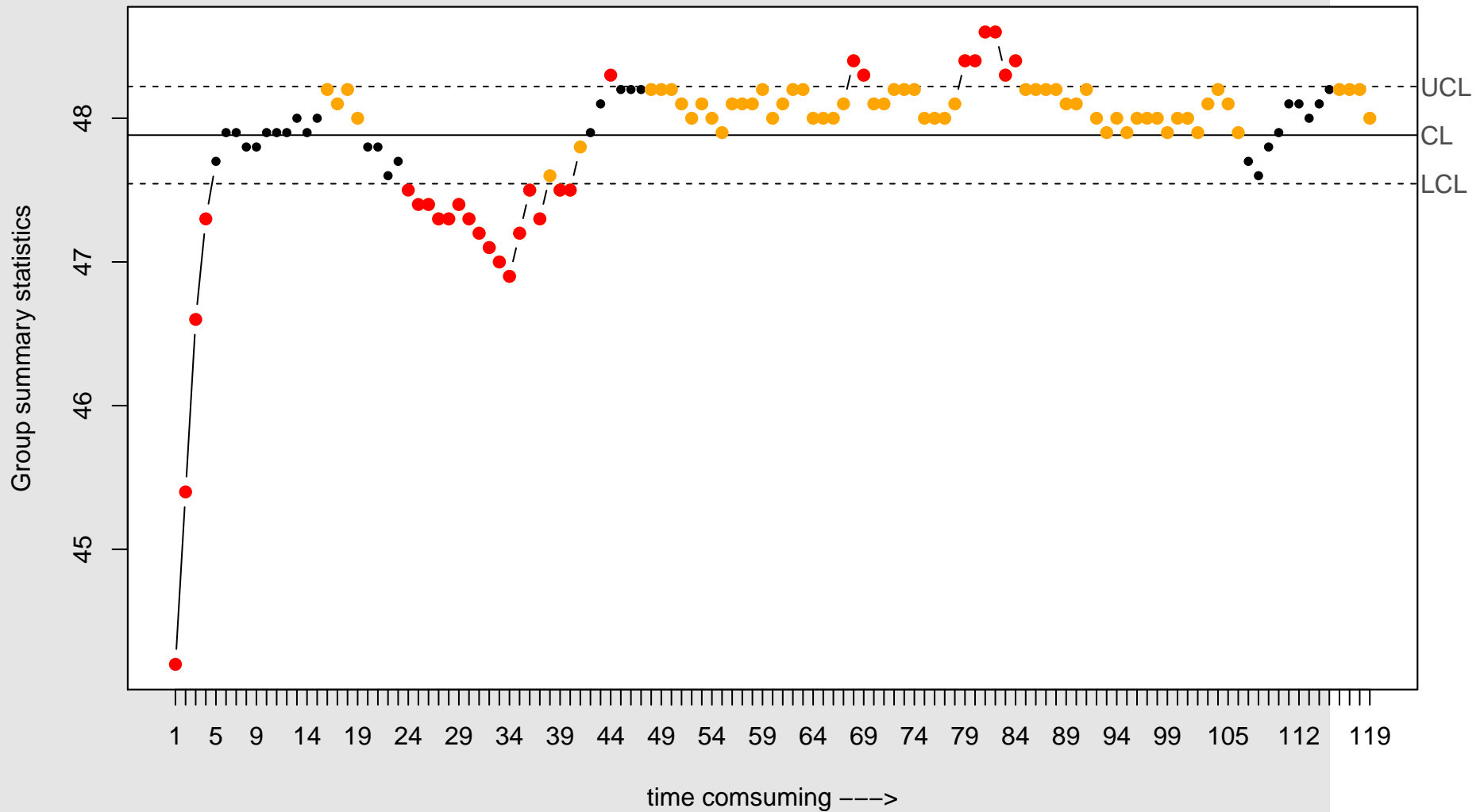
LCL = 47.54492

UCL = 48.18953

Number beyond limits = 37

Number violating runs = 70

## 233th column point of this product



Number of groups = 119

Center = 47.88235

StdDev = 0.1126938

LCL = 47.54427

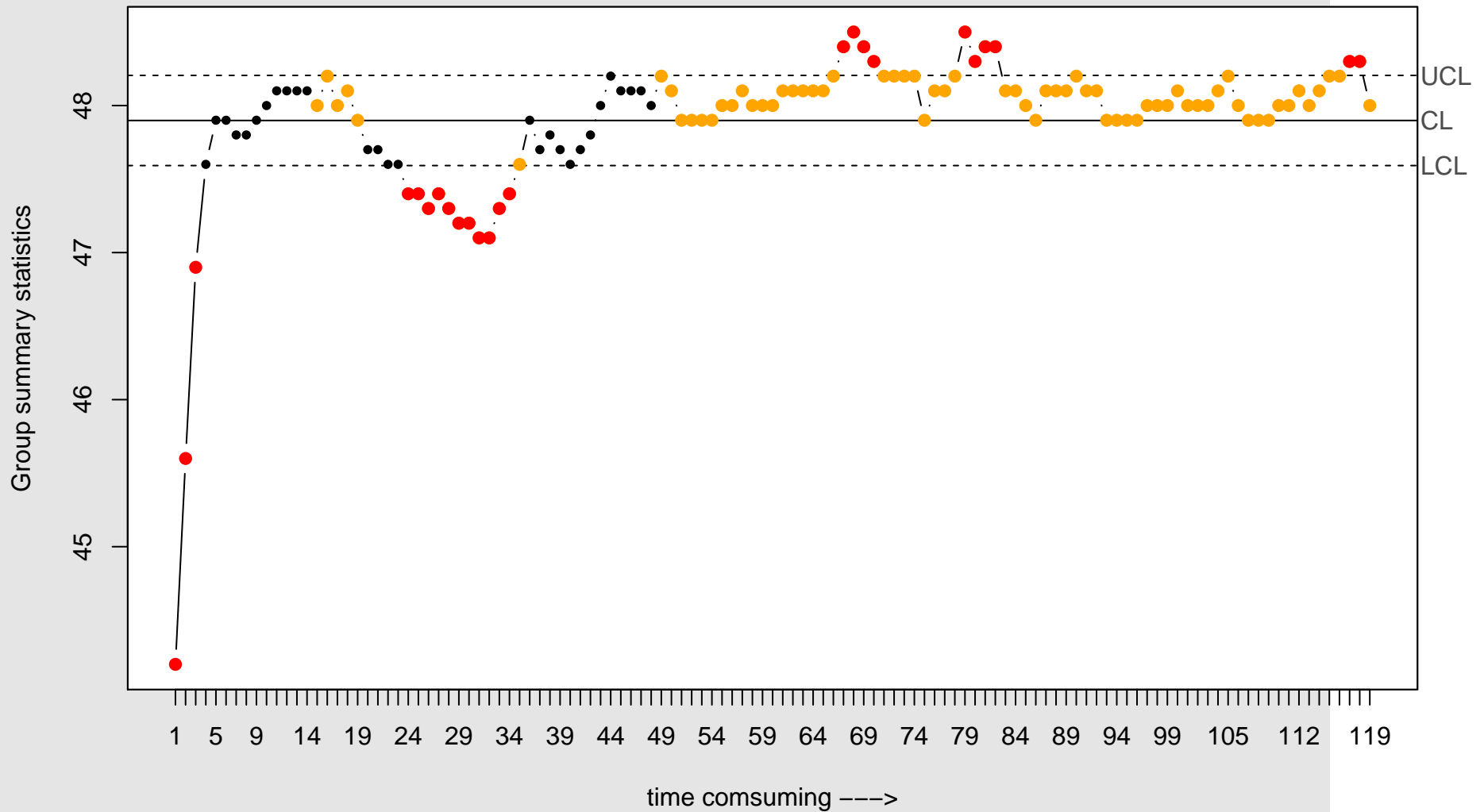
UCL = 48.22043

Number beyond limits = 29

Number violating runs = 83



## 234th column point of this product



Number of groups = 119

Center = 47.89832

StdDev = 0.1021757

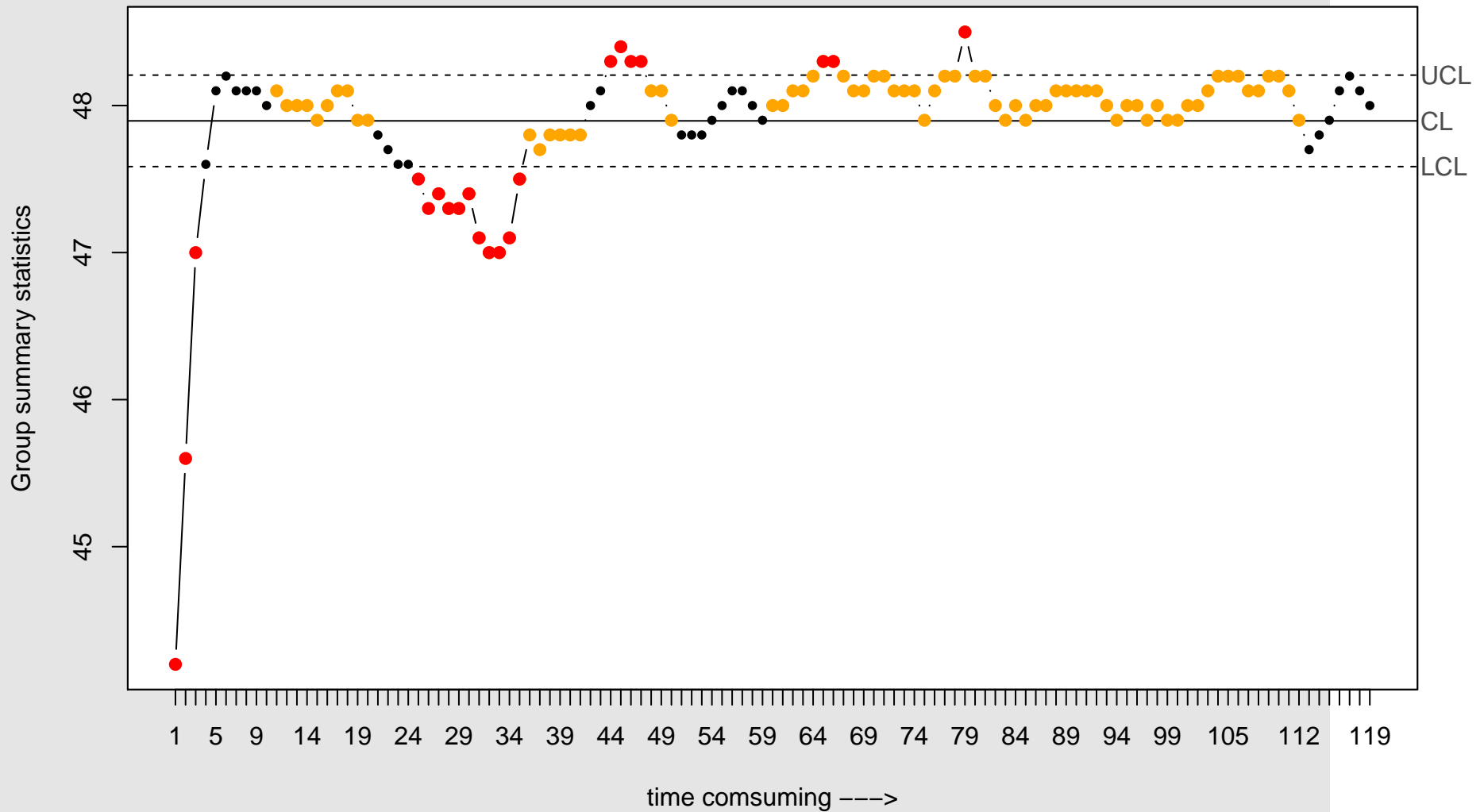
LCL = 47.59179

UCL = 48.20485

Number beyond limits = 24

Number violating runs = 86

## 235th column point of this product



Number of groups = 119

Center = 47.8958

StdDev = 0.1036783

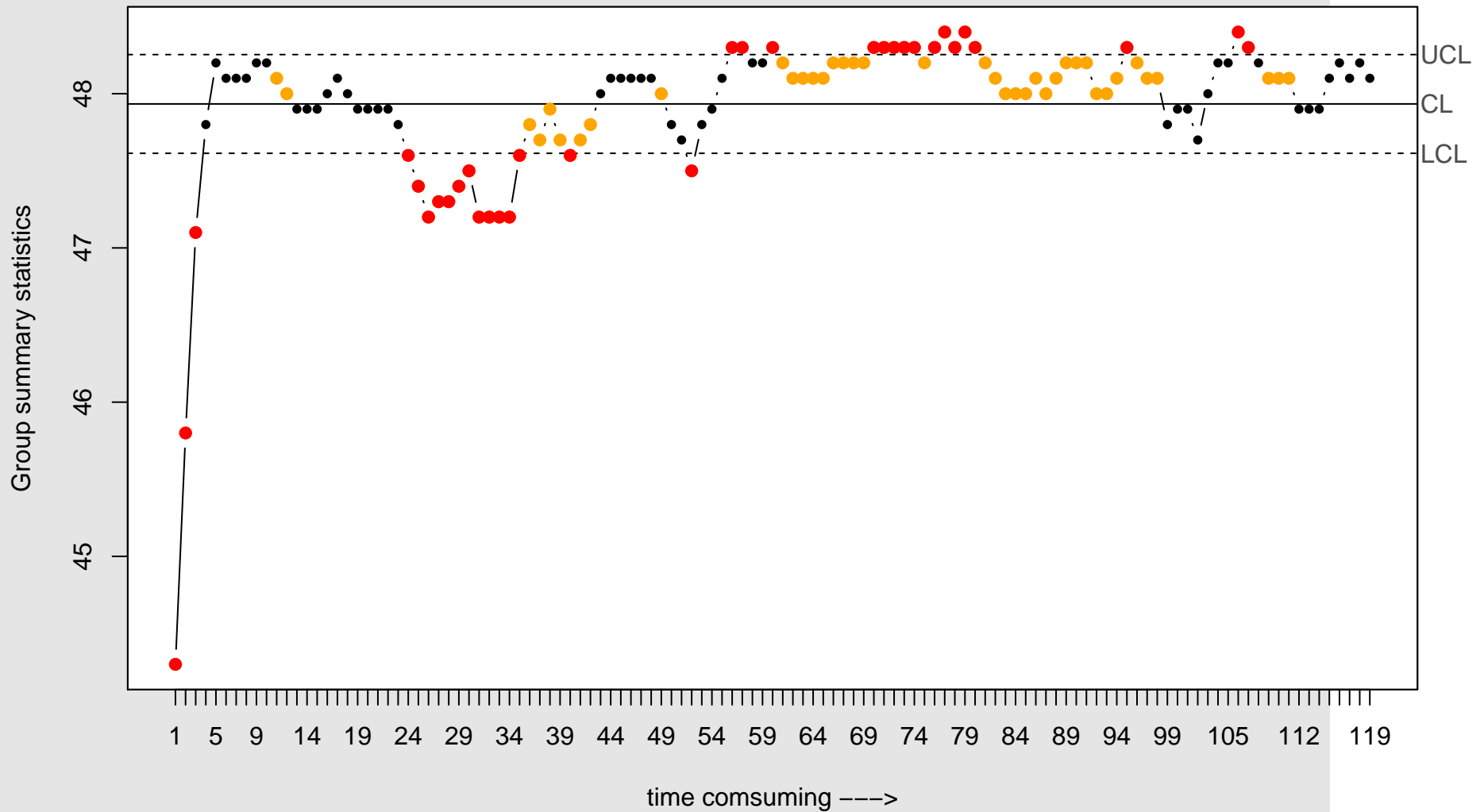
LCL = 47.58476

UCL = 48.20683

Number beyond limits = 21

Number violating runs = 81

### 236th column point of this product



Number of groups = 119

Center = 47.93361

StdDev = 0.1066835

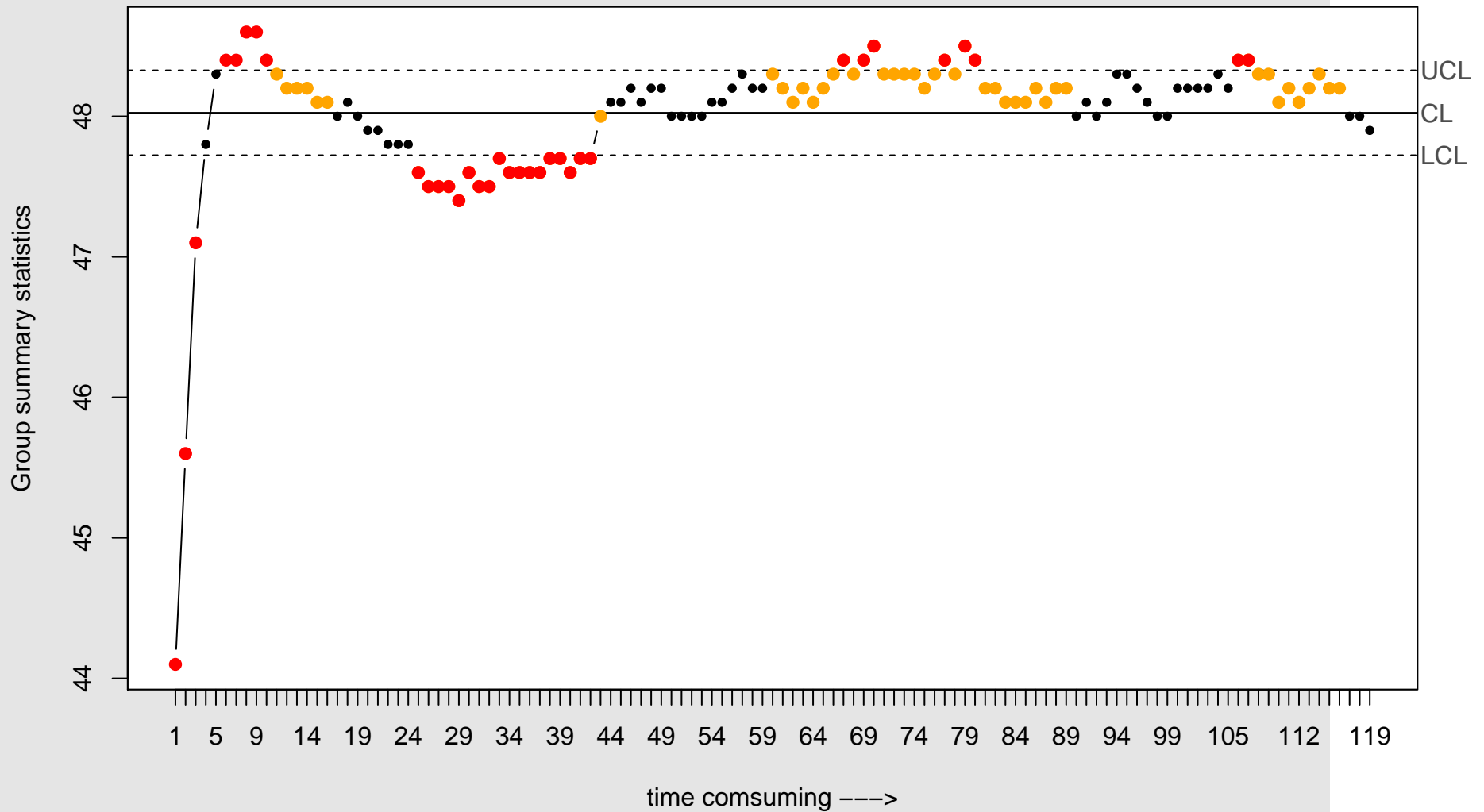
LCL = 47.61356

UCL = 48.25366

Number beyond limits = 33

Number violating runs = 62

## 237th column point of this product



Number of groups = 119

Center = 48.02521

StdDev = 0.1006732

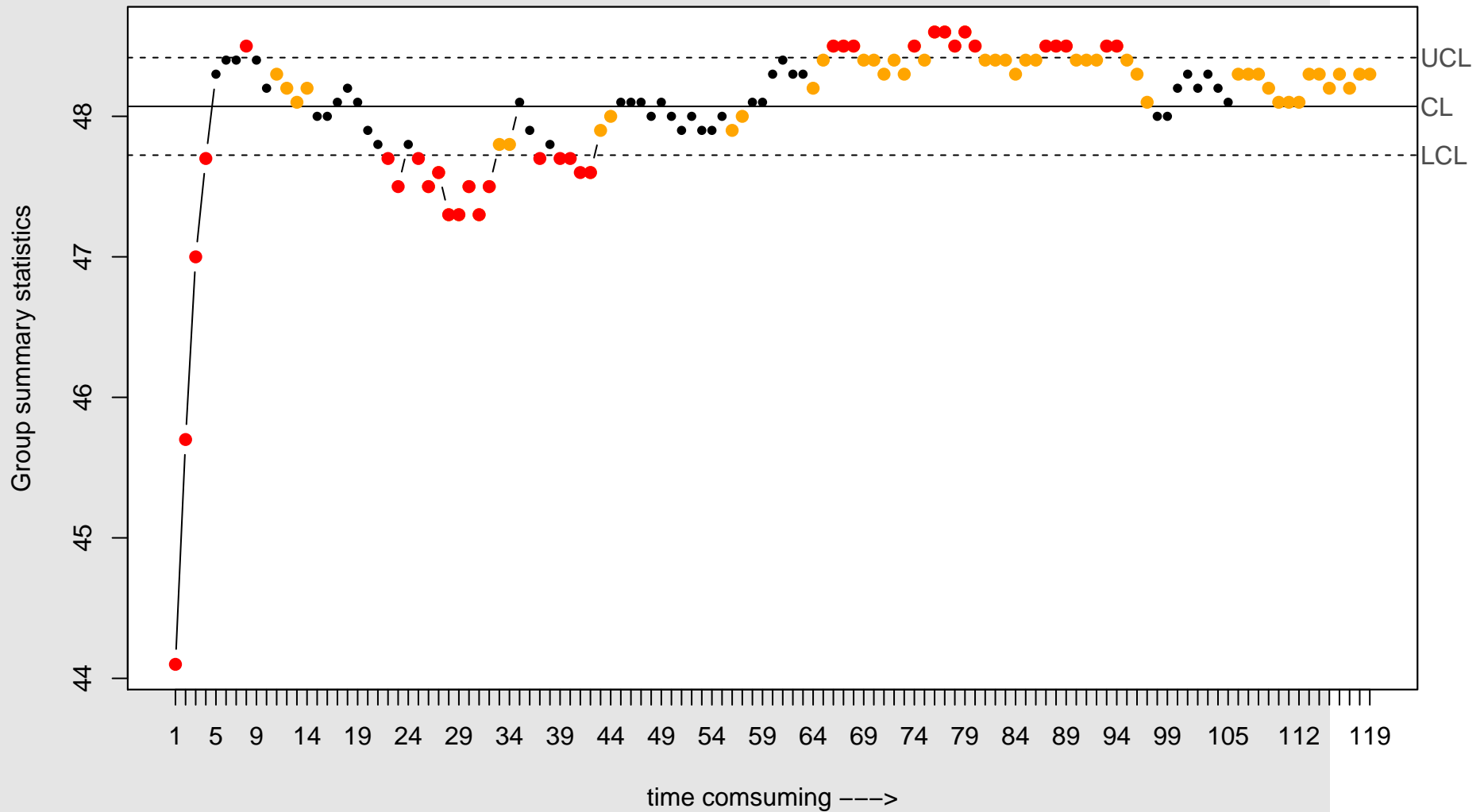
LCL = 47.72319

UCL = 48.32723

Number beyond limits = 34

Number violating runs = 66

## 238th column point of this product



Number of groups = 119

Center = 48.07059

StdDev = 0.115699

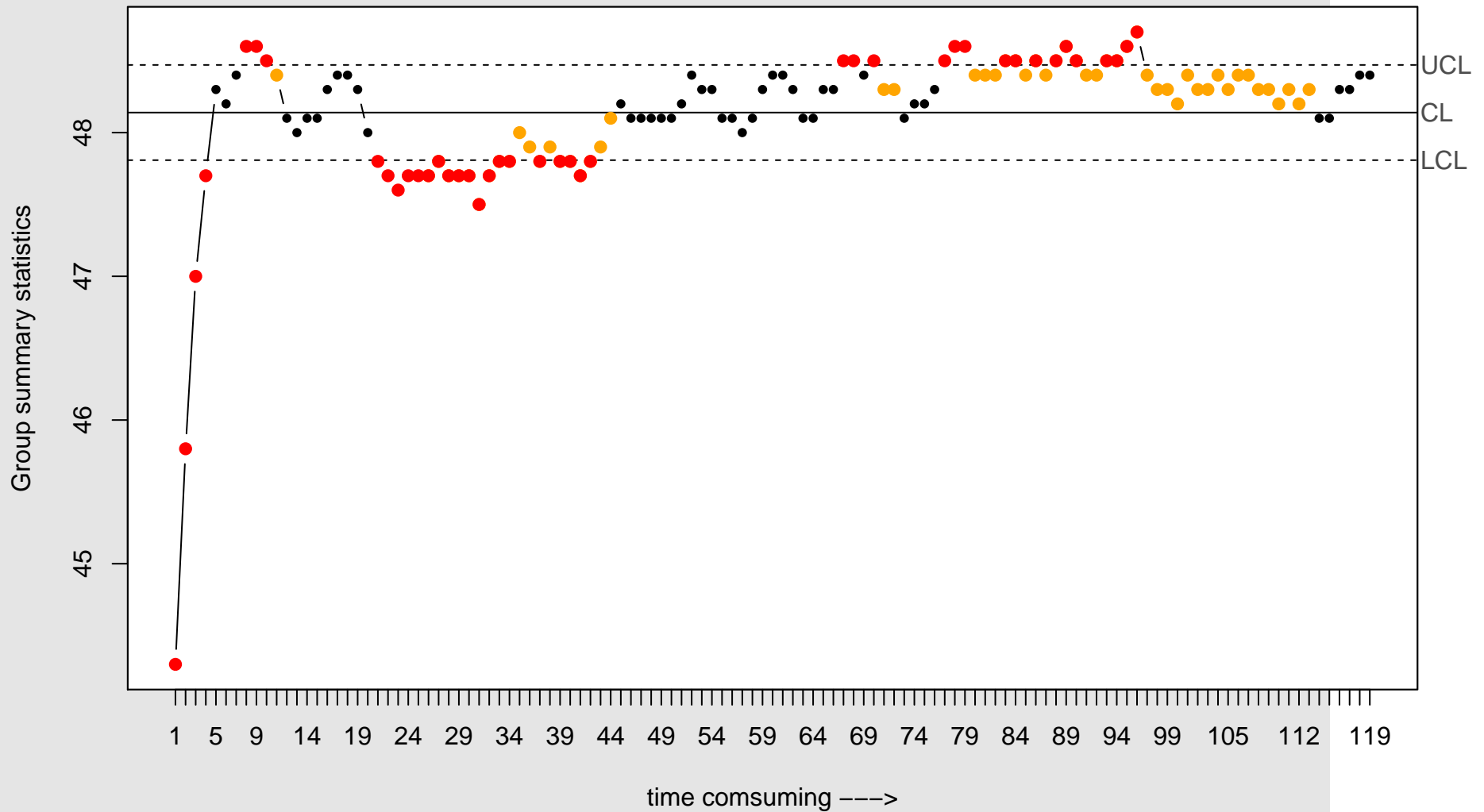
LCL = 47.72349

UCL = 48.41769

Number beyond limits = 34

Number violating runs = 66

## 239th column point of this product



Number of groups = 119

Center = 48.1395

StdDev = 0.11044

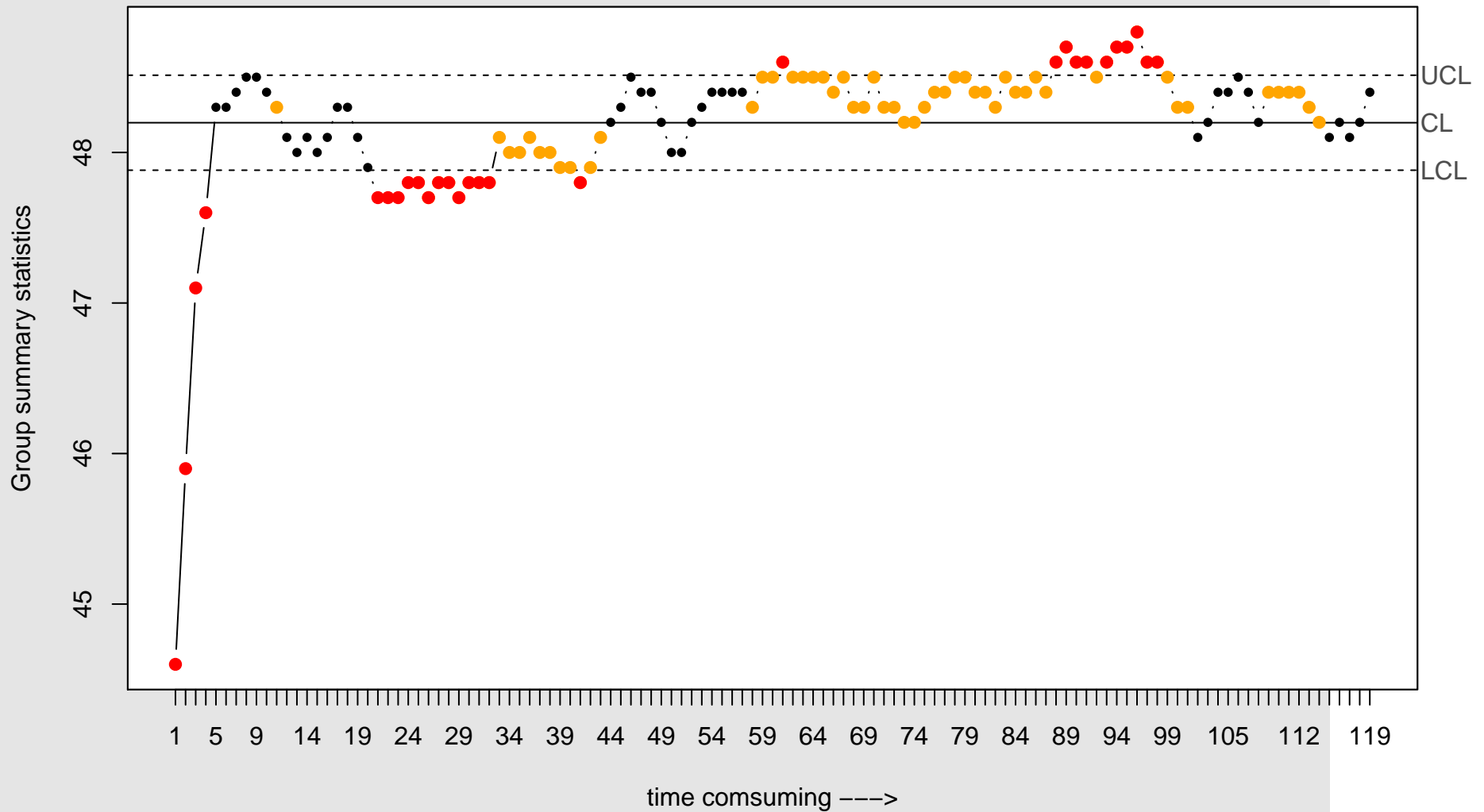
LCL = 47.80818

UCL = 48.47082

Number beyond limits = 42

Number violating runs = 56

## 240th column point of this product



Number of groups = 119

Center = 48.19748

StdDev = 0.1051809

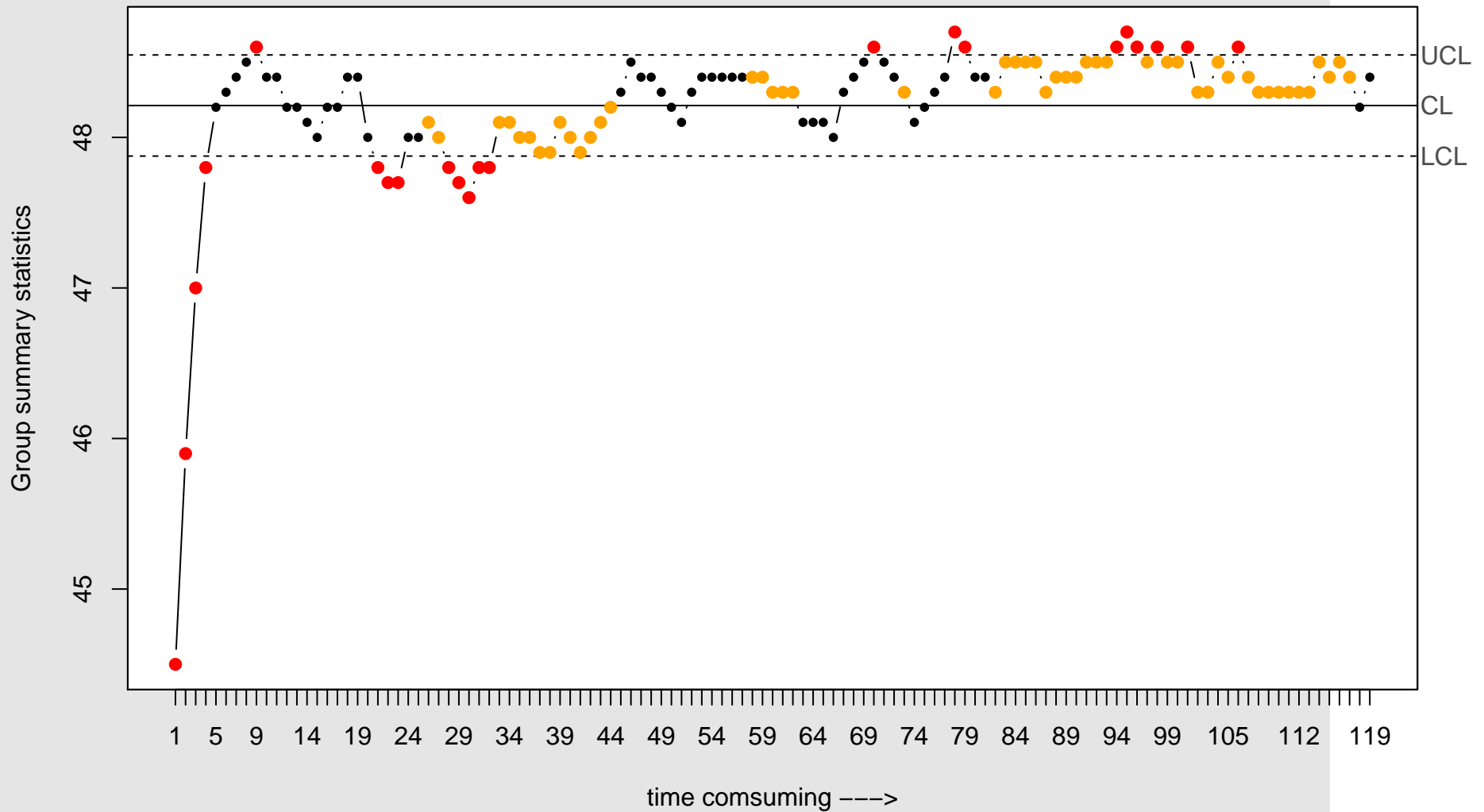
LCL = 47.88194

UCL = 48.51302

Number beyond limits = 28

Number violating runs = 70

## 241th column point of this product



Number of groups = 119

Center = 48.21176

StdDev = 0.1119425

LCL = 47.87594

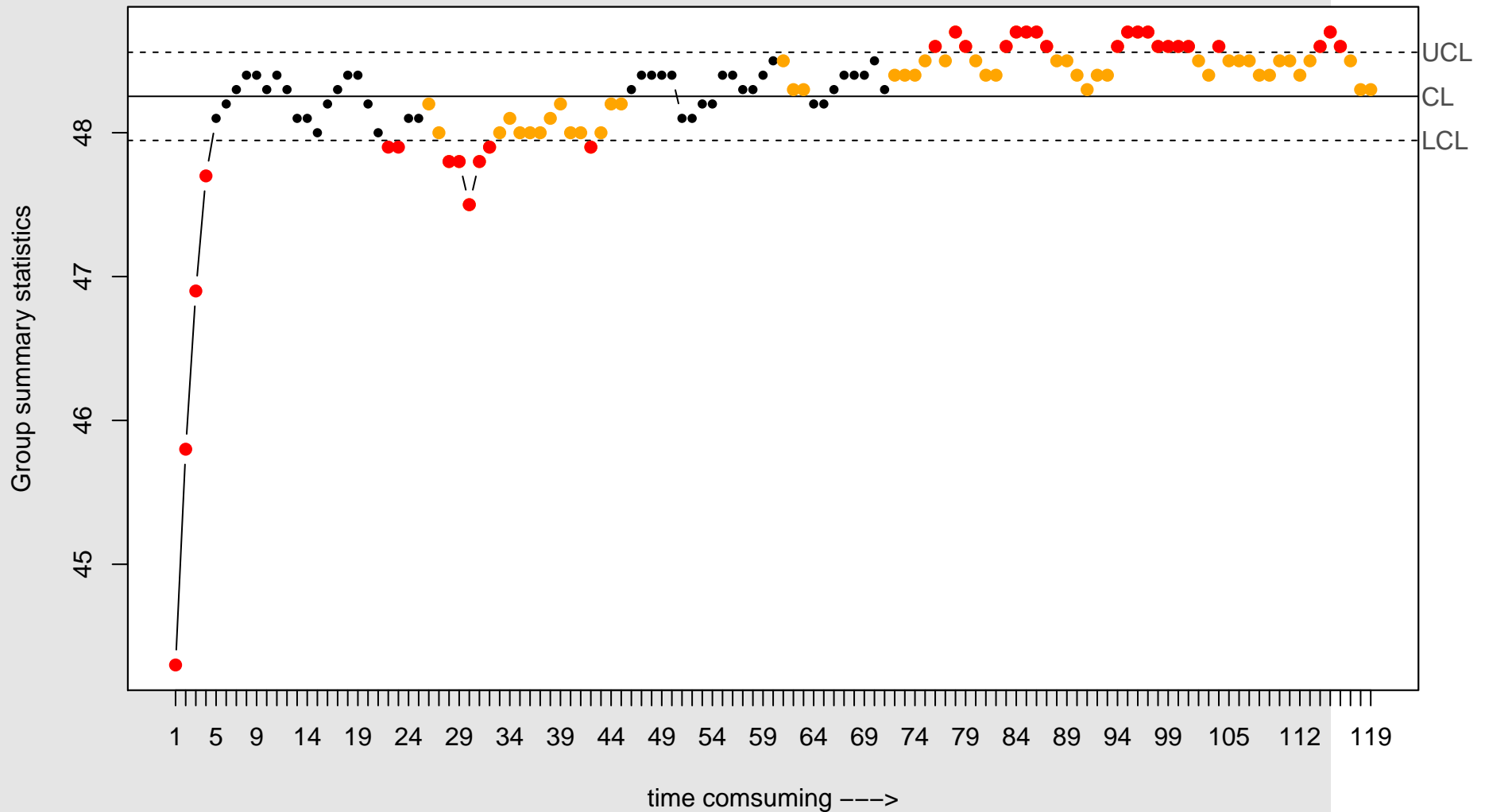
UCL = 48.54759

Number beyond limits = 22

Number violating runs = 61



## 242th column point of this product

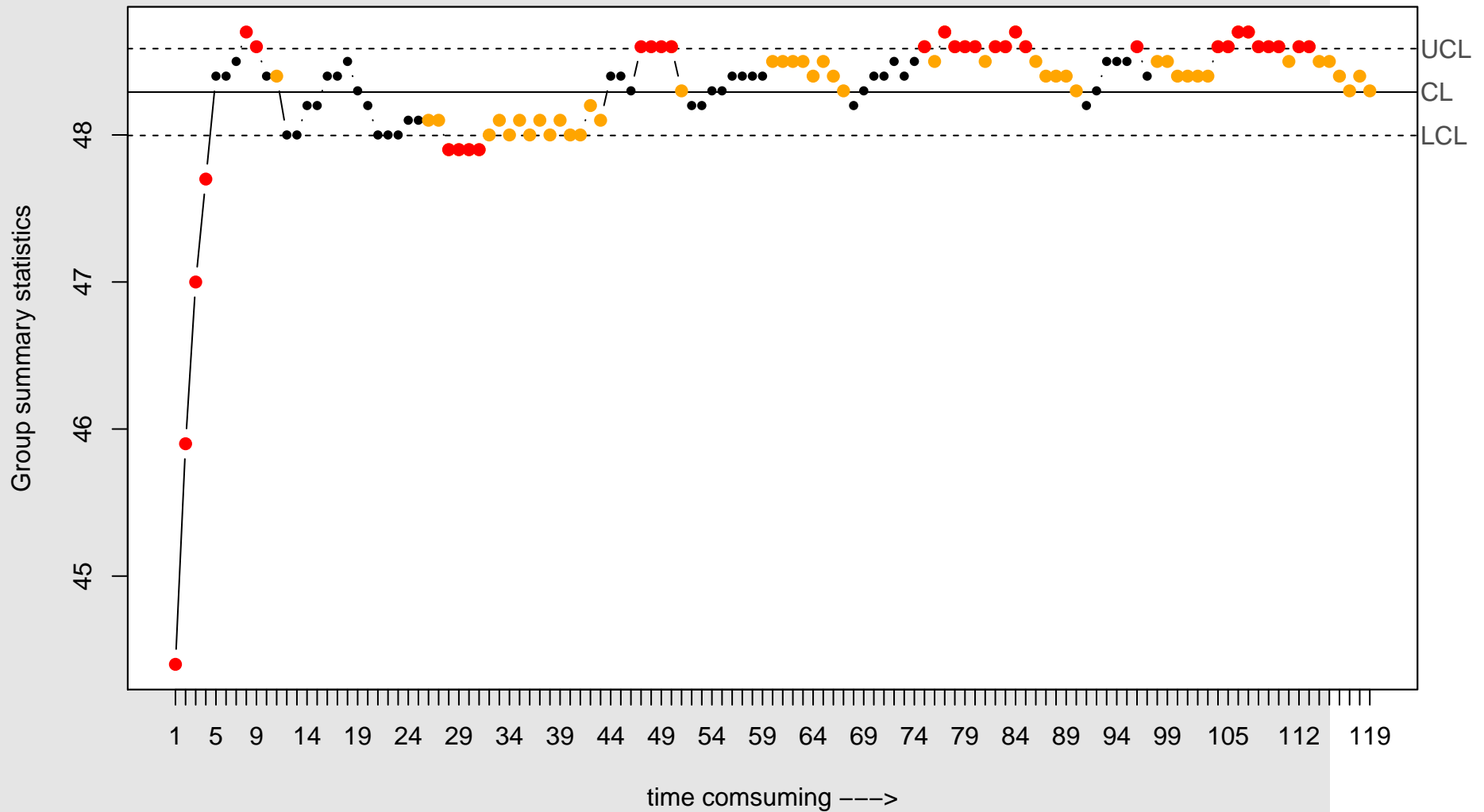


Number of groups = 119  
Center = 48.25294  
StdDev = 0.1021757

LCL = 47.94641  
UCL = 48.55947

Number beyond limits = 32  
Number violating runs = 71

## 243th column point of this product

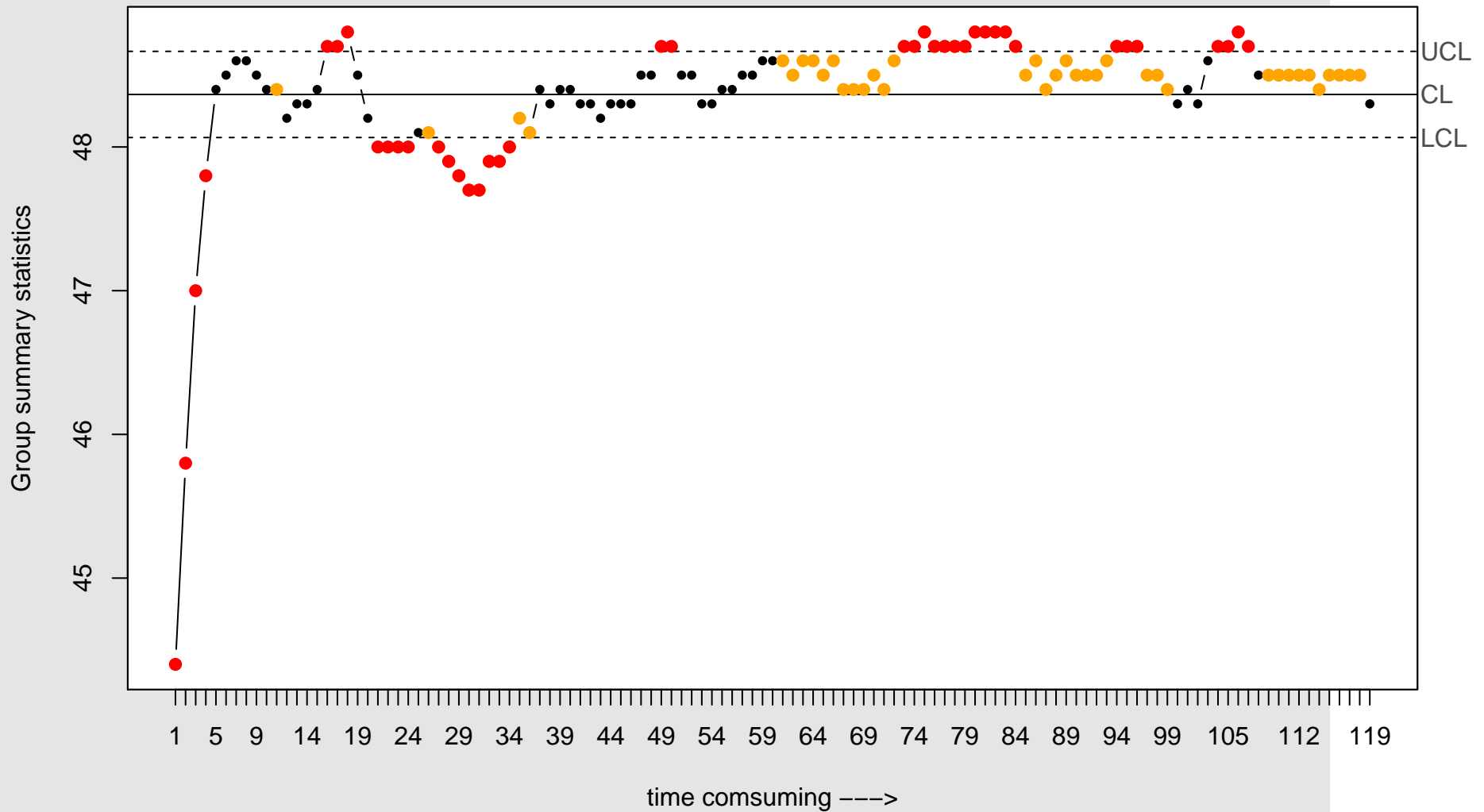


Number of groups = 119  
 Center = 48.2916  
 StdDev = 0.09841928

LCL = 47.99634  
 UCL = 48.58685

Number beyond limits = 33  
 Number violating runs = 67

## 244th column point of this product



Number of groups = 119

Center = 48.36555

StdDev = 0.09992187

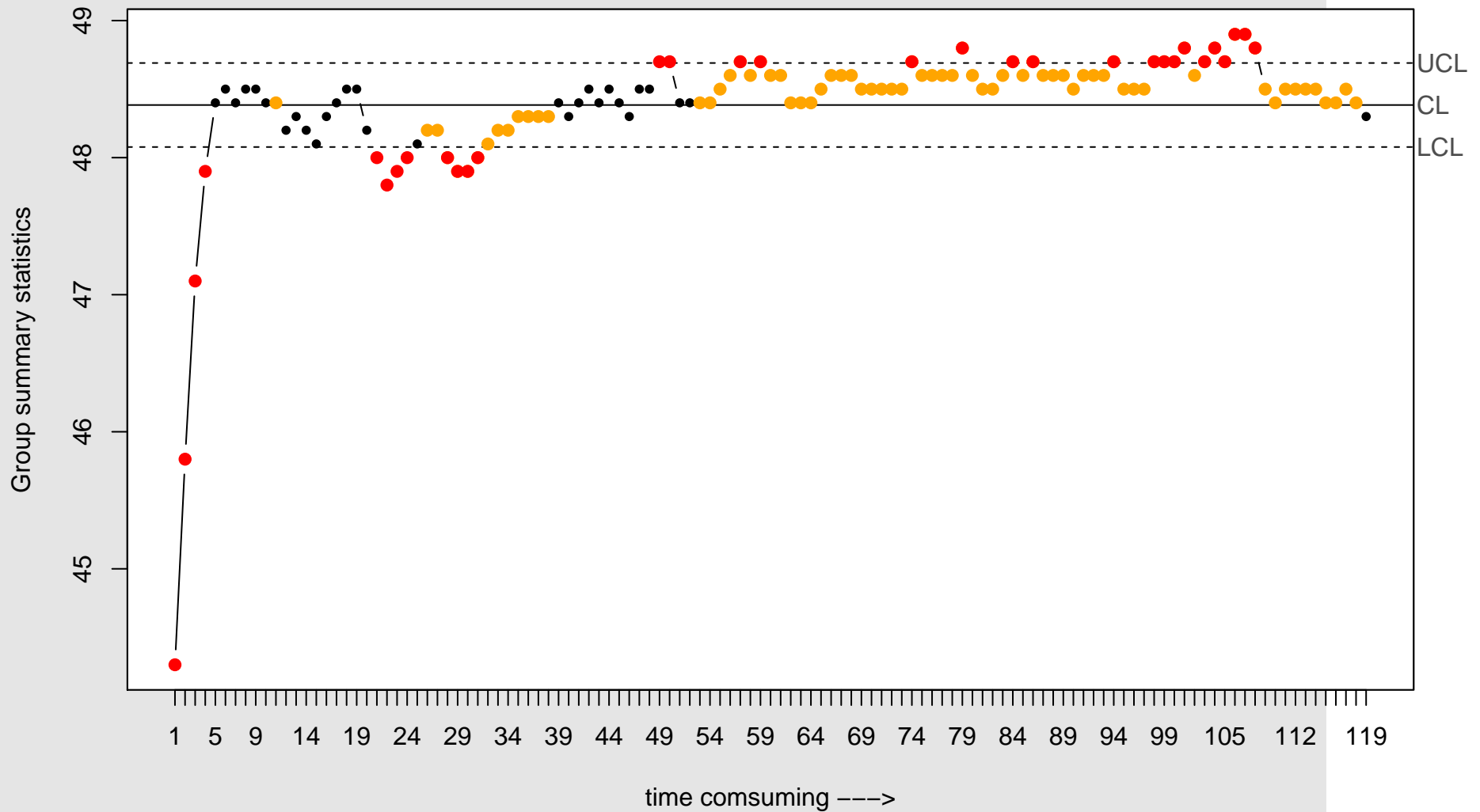
LCL = 48.06578

UCL = 48.66531

Number beyond limits = 40

Number violating runs = 61

## 245th column point of this product



Number of groups = 119

Center = 48.38403

StdDev = 0.1021757

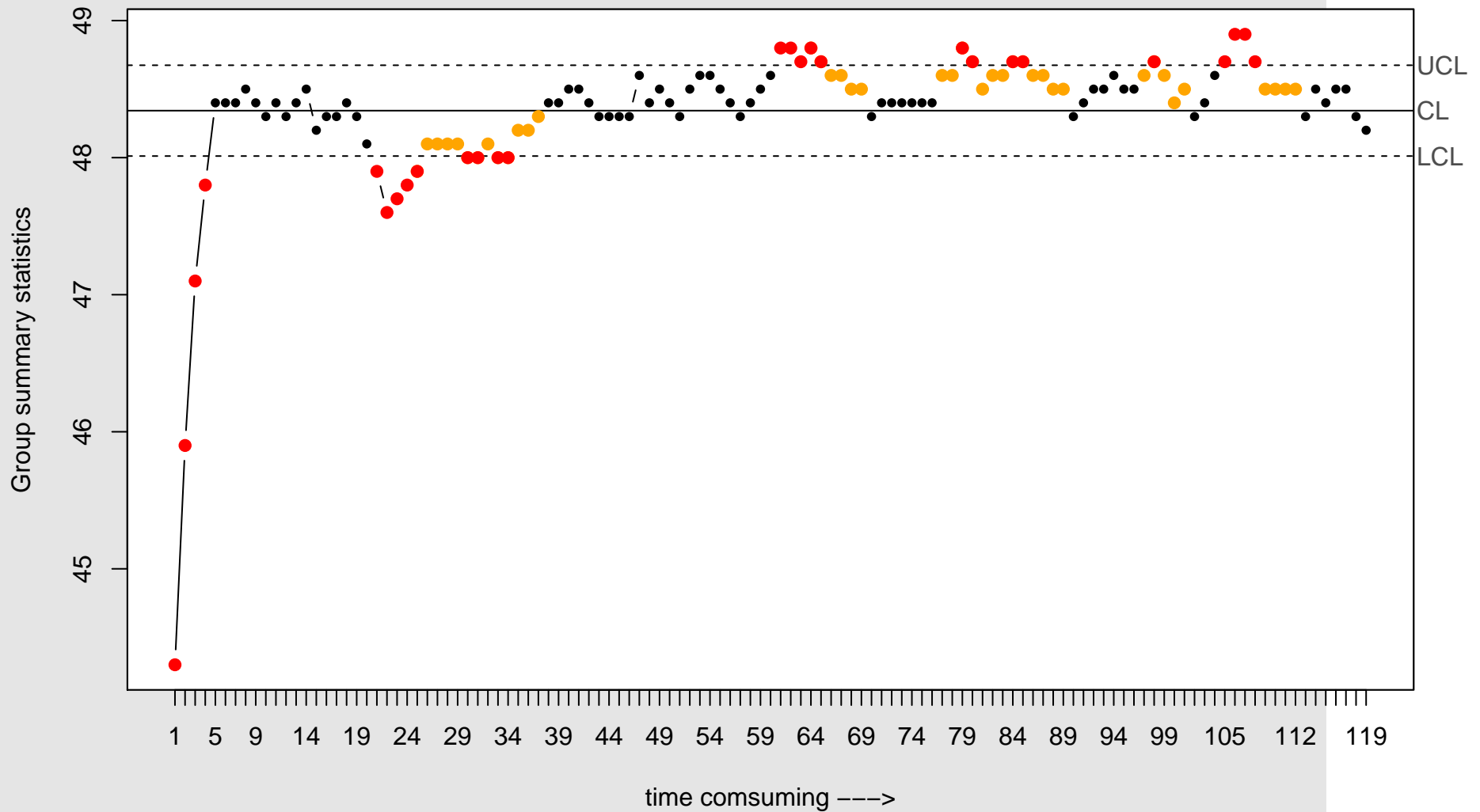
LCL = 48.07751

UCL = 48.69056

Number beyond limits = 31

Number violating runs = 80

## 246th column point of this product

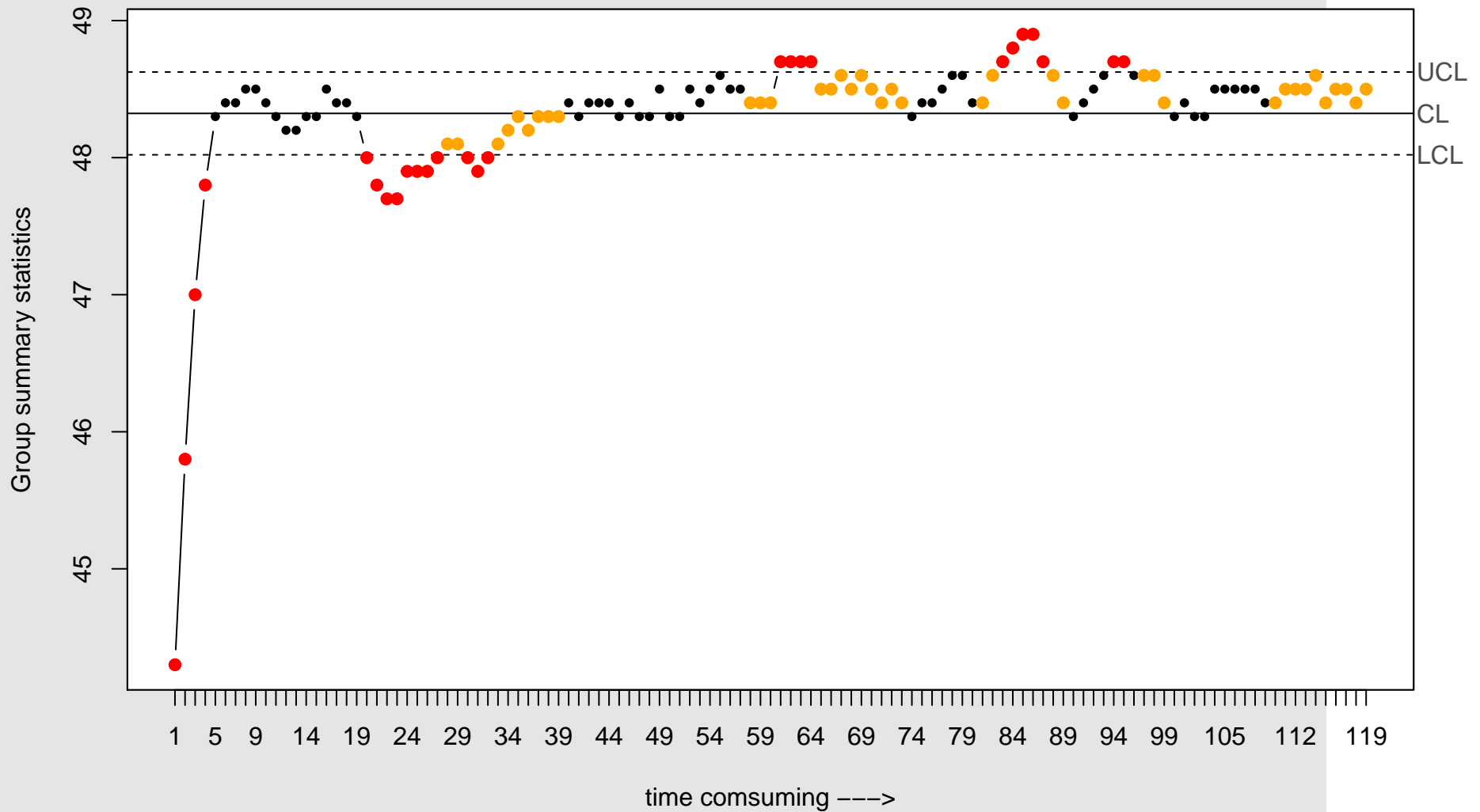


Number of groups = 119  
Center = 48.34286  
StdDev = 0.11044

LCL = 48.01154  
UCL = 48.67418

Number beyond limits = 27  
Number violating runs = 41

## 247th column point of this product

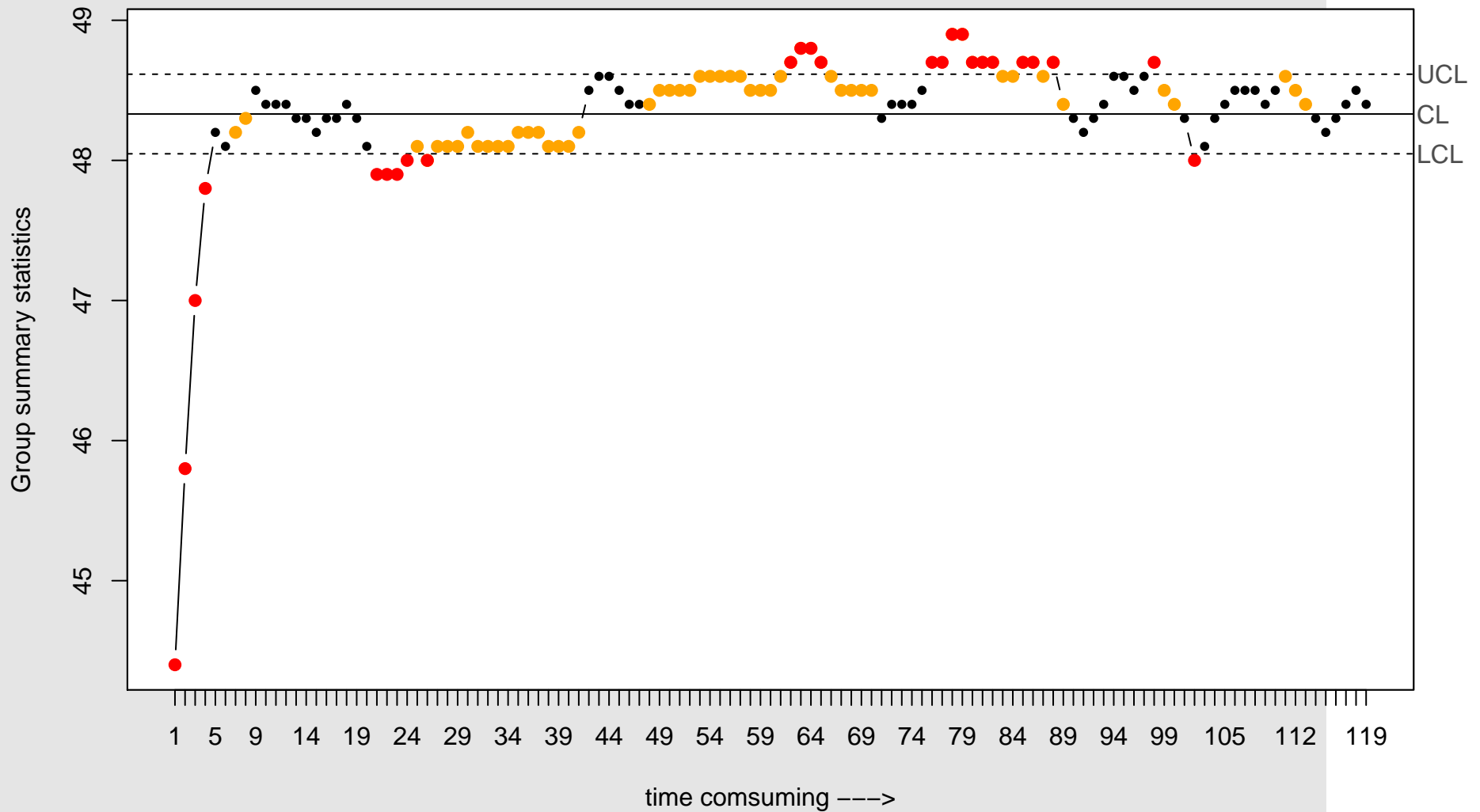


Number of groups = 119  
Center = 48.32269  
StdDev = 0.1006732

LCL = 48.02067  
UCL = 48.62471

Number beyond limits = 26  
Number violating runs = 53

## 248th column point of this product



Number of groups = 119

Center = 48.33109

StdDev = 0.09466282

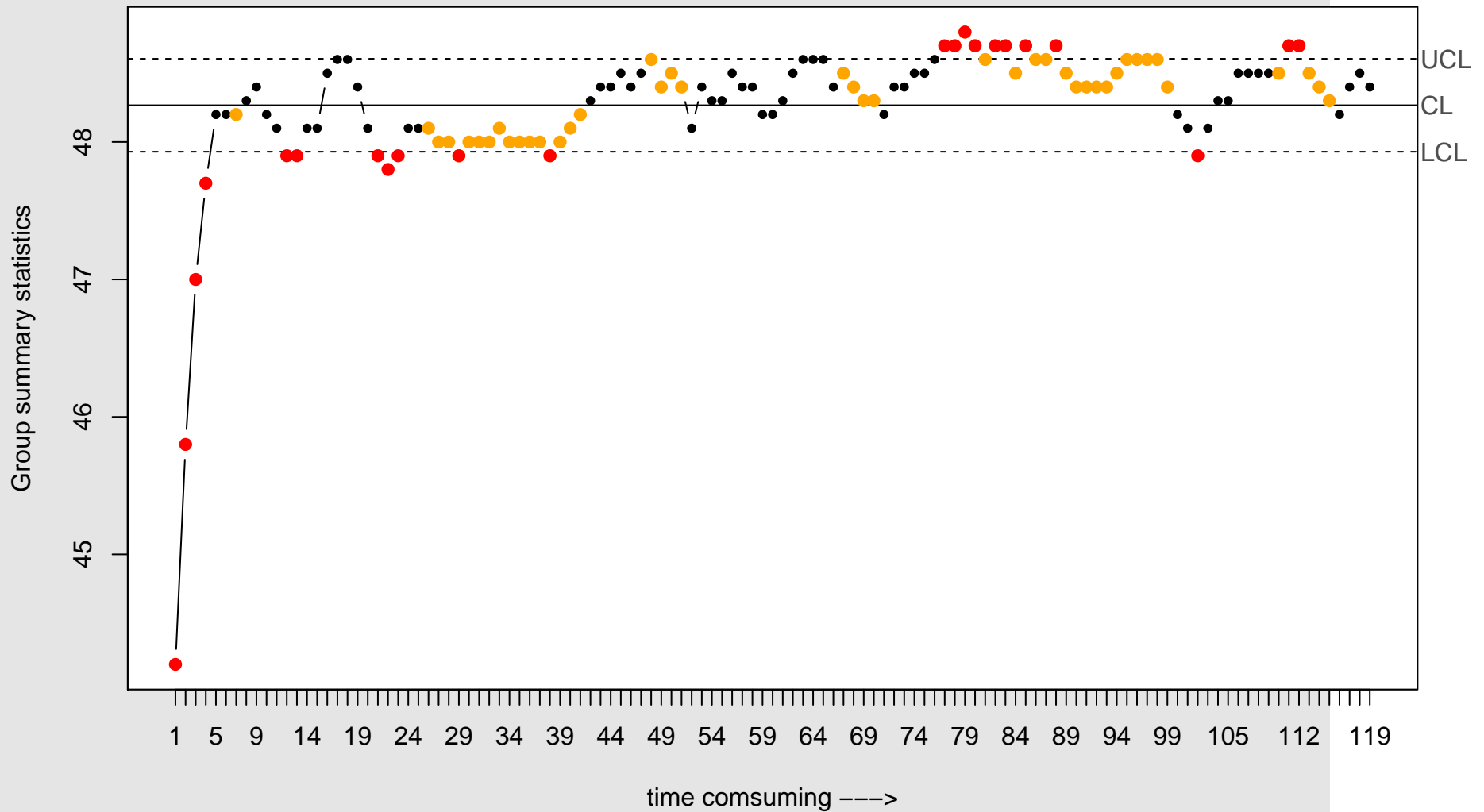
LCL = 48.0471

UCL = 48.61508

Number beyond limits = 25

Number violating runs = 59

## 249th column point of this product



Number of groups = 119

Center = 48.26723

StdDev = 0.1126938

LCL = 47.92915

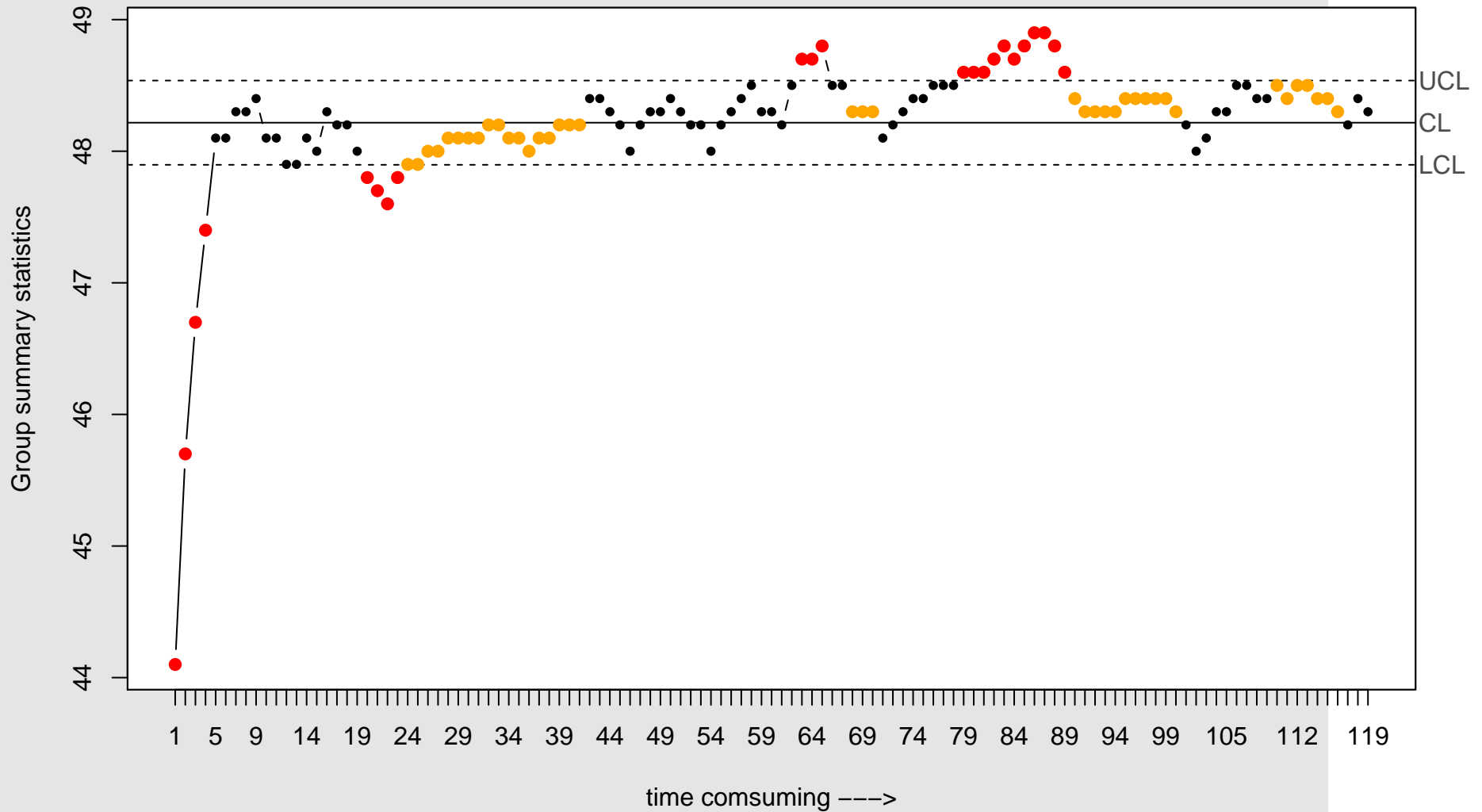
UCL = 48.60531

Number beyond limits = 22

Number violating runs = 53



## 250th column point of this product



Number of groups = 119

Center = 48.21681

StdDev = 0.1066835

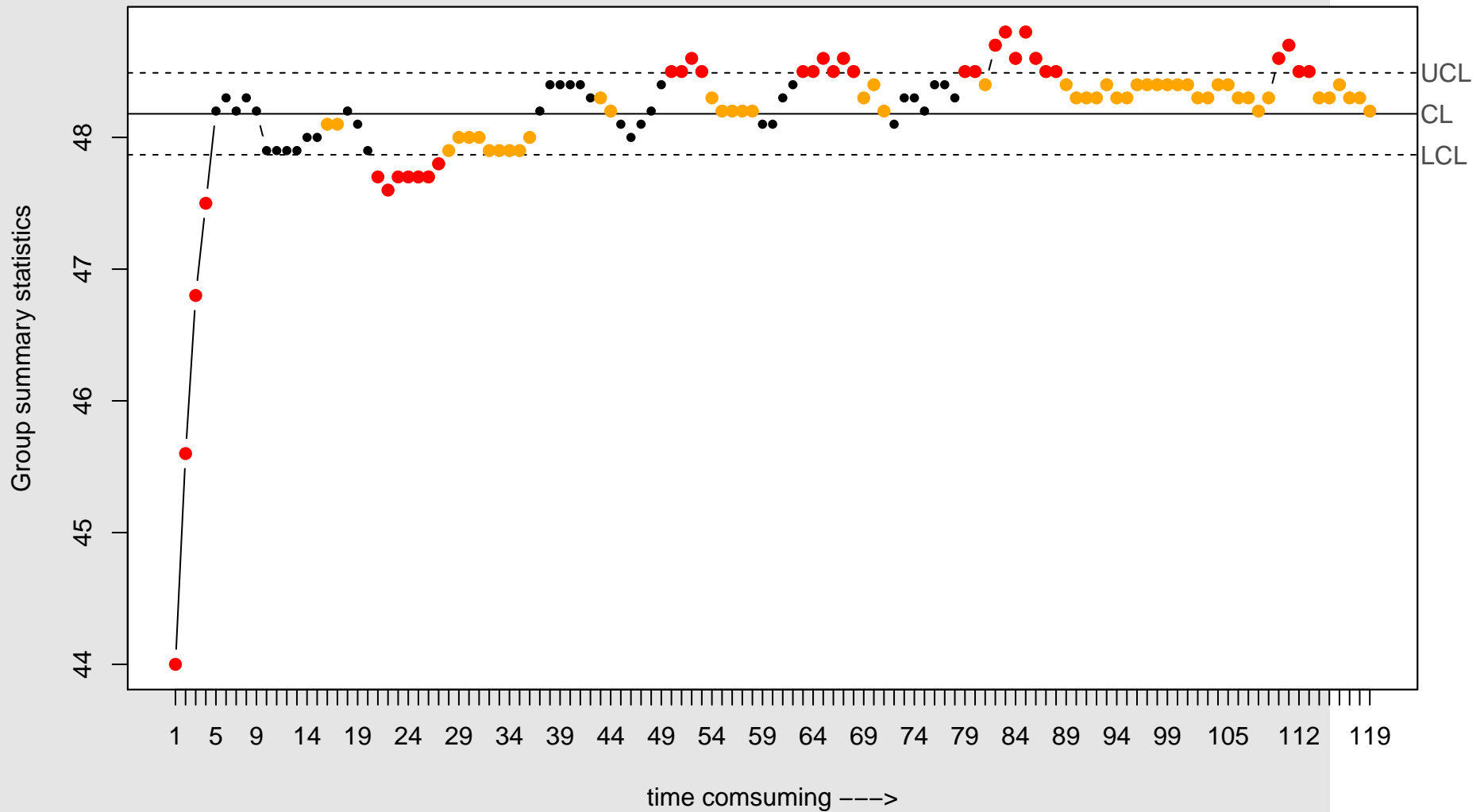
LCL = 47.89676

UCL = 48.53686

Number beyond limits = 22

Number violating runs = 51

## 251th column point of this product



Number of groups = 119

Center = 48.17899

StdDev = 0.1036783

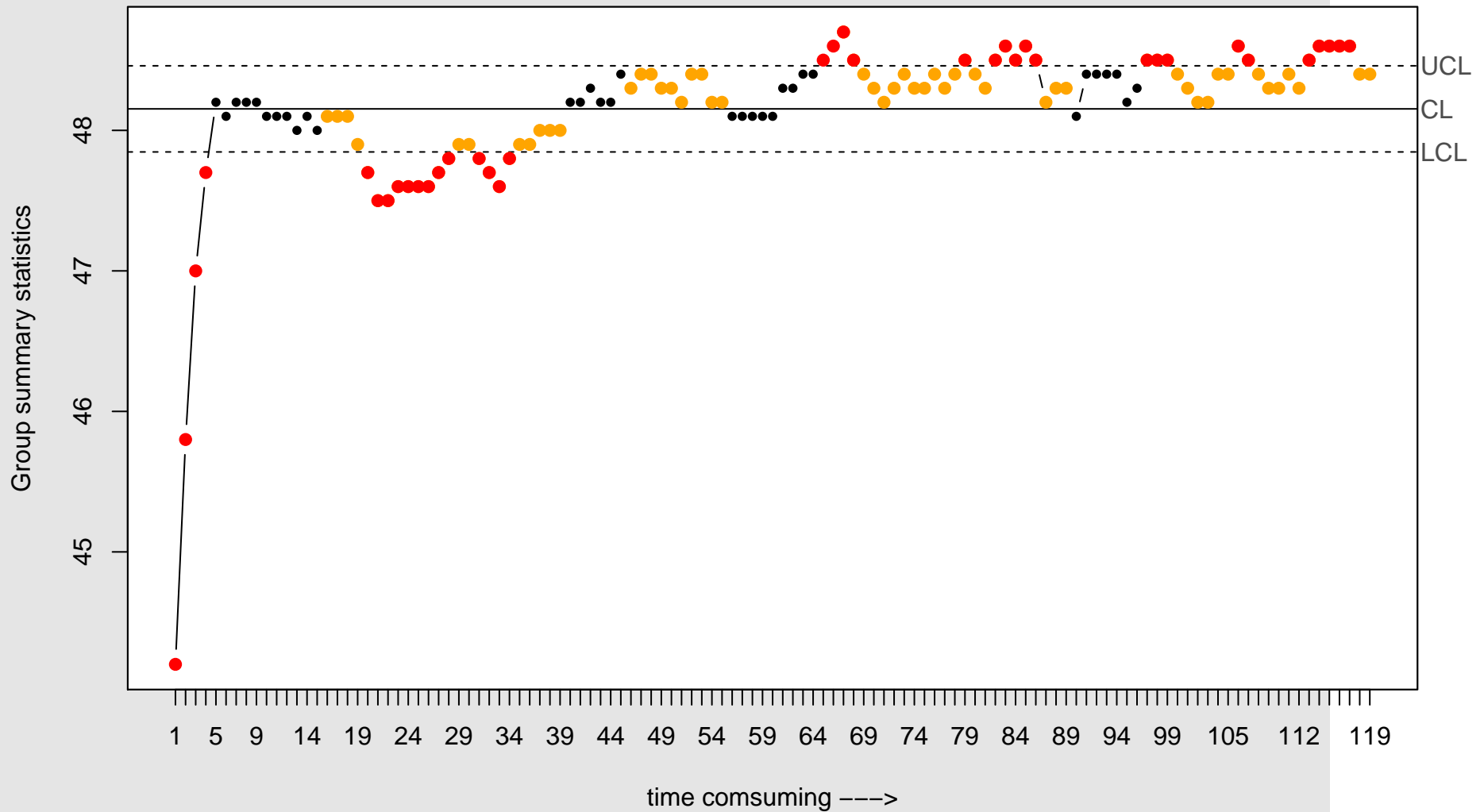
LCL = 47.86796

UCL = 48.49003

Number beyond limits = 34

Number violating runs = 67

## 252th column point of this product



Number of groups = 119

Center = 48.15294

StdDev = 0.1021757

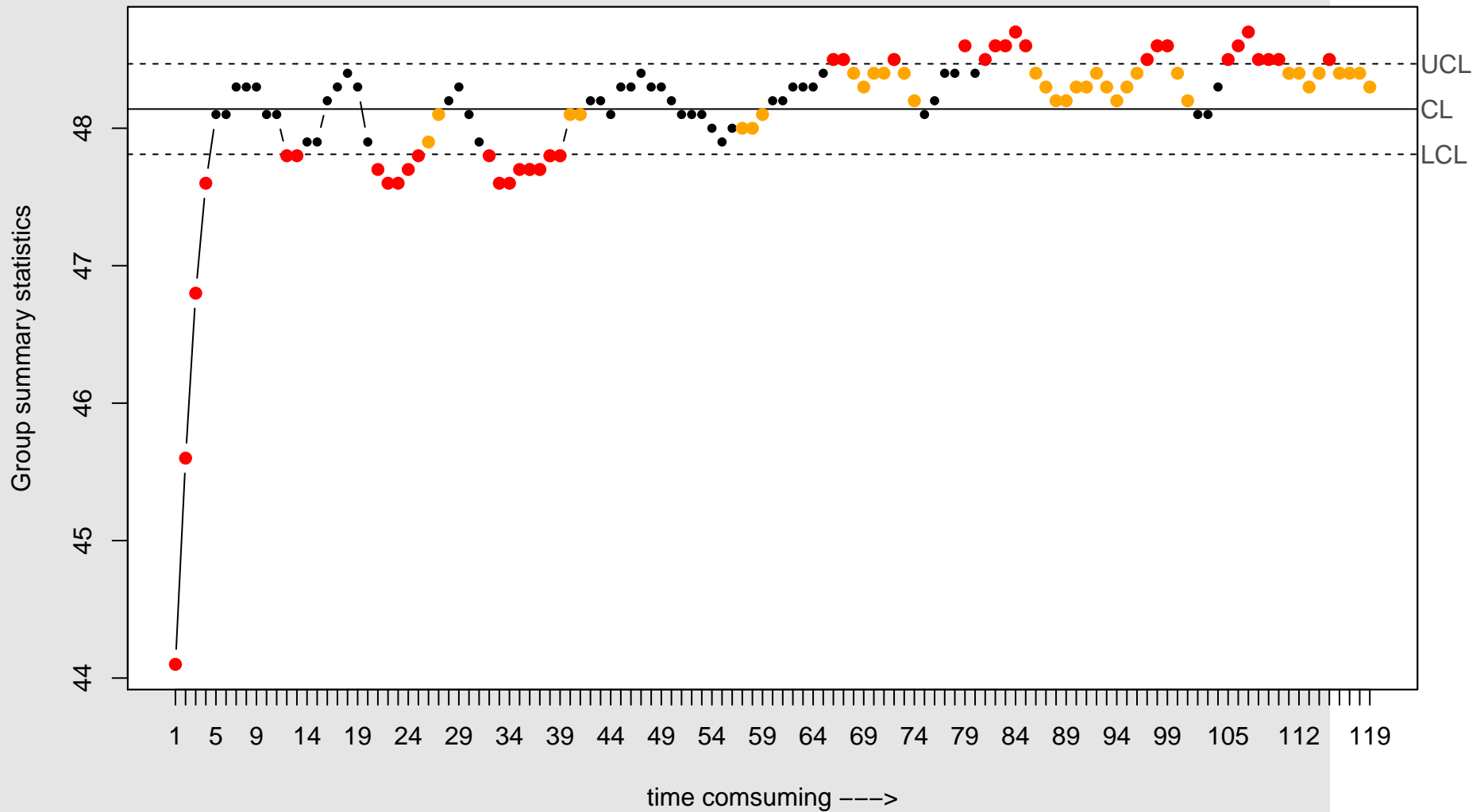
LCL = 47.84641

UCL = 48.45947

Number beyond limits = 37

Number violating runs = 80

## 253th column point of this product



Number of groups = 119

Center = 48.1395

StdDev = 0.1096887

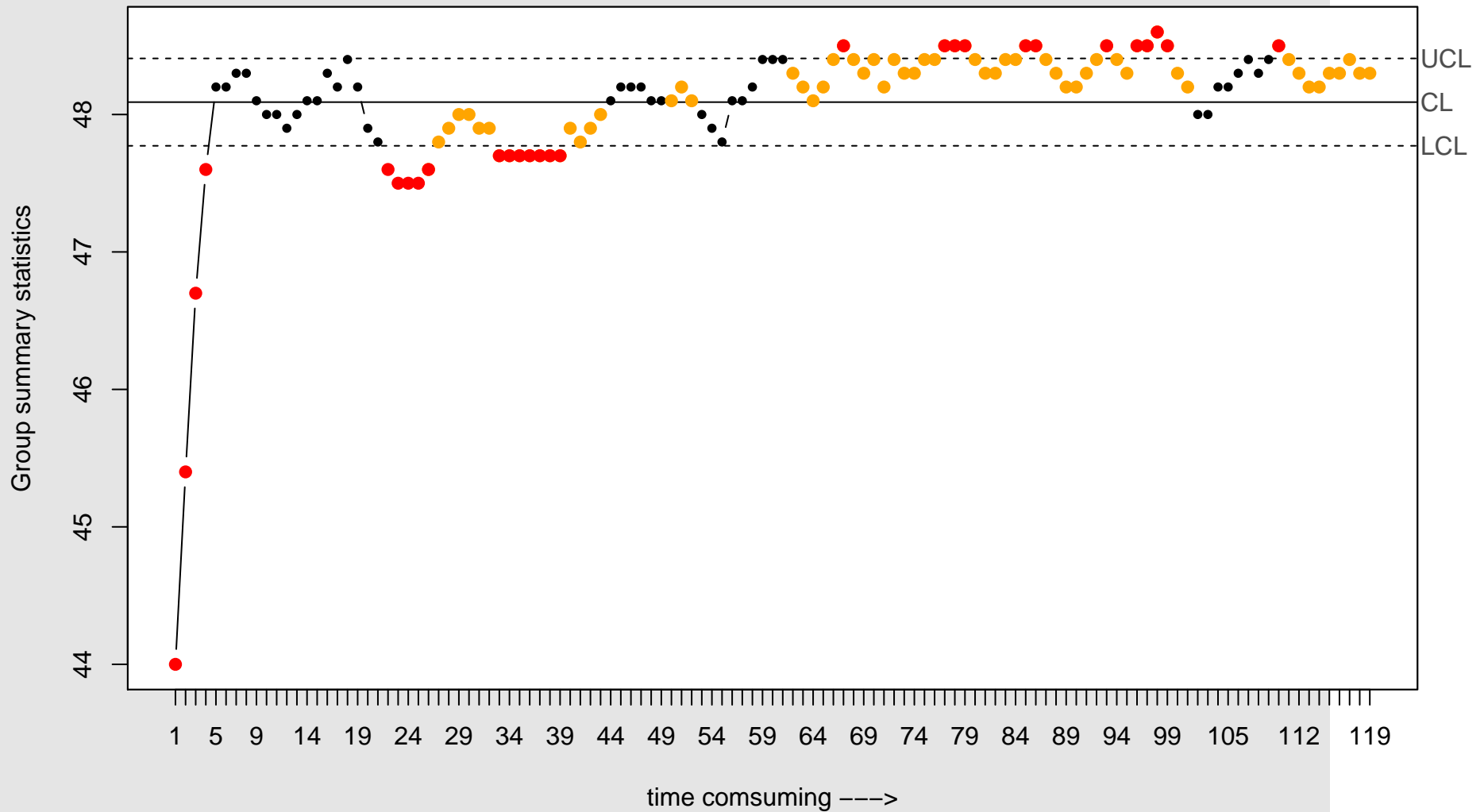
LCL = 47.81043

UCL = 48.46856

Number beyond limits = 38

Number violating runs = 50

## 254th column point of this product



Number of groups = 119

Center = 48.08992

StdDev = 0.1059322

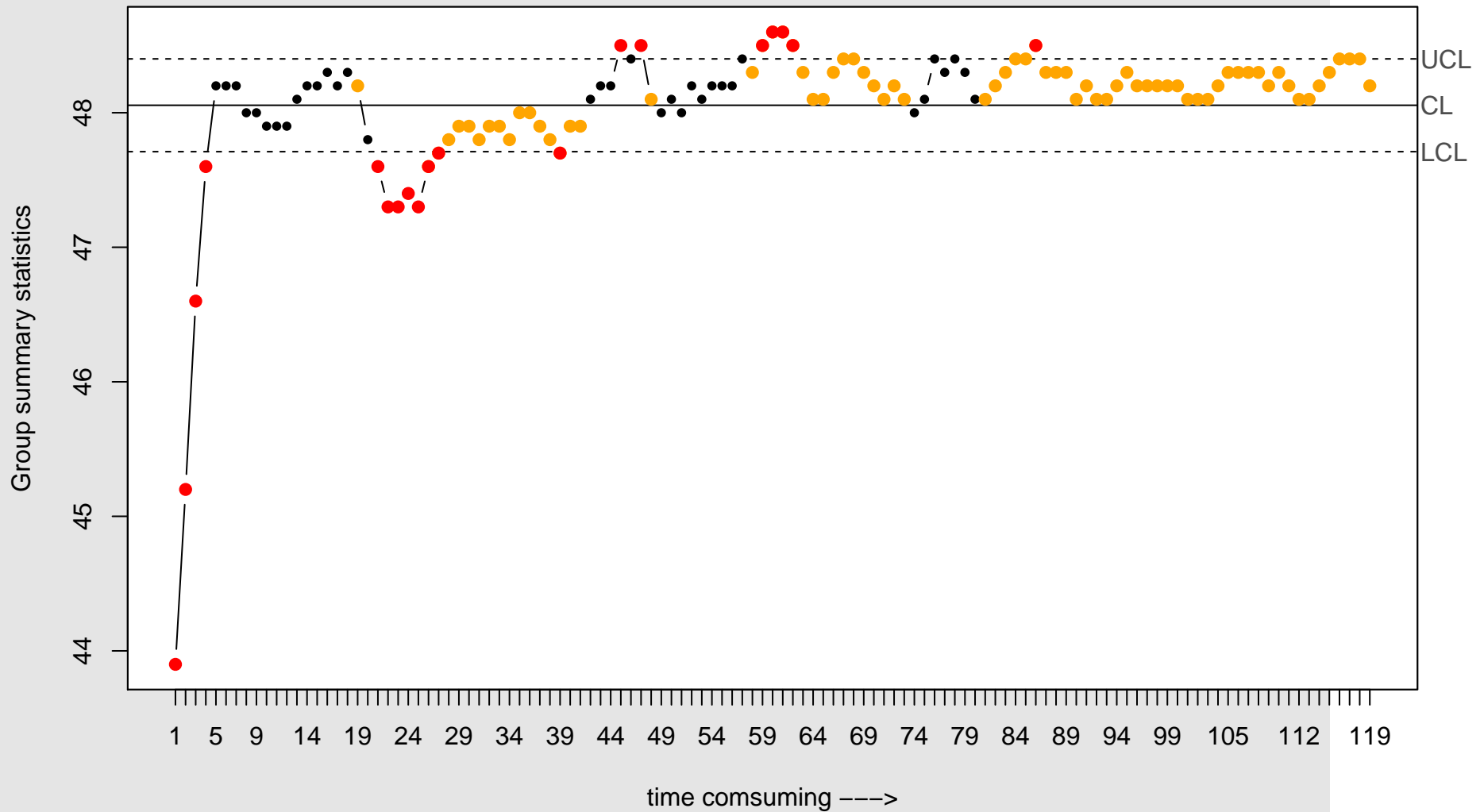
LCL = 47.77212

UCL = 48.40771

Number beyond limits = 28

Number violating runs = 71

## 255th column point of this product



Number of groups = 119

Center = 48.05546

StdDev = 0.1149477

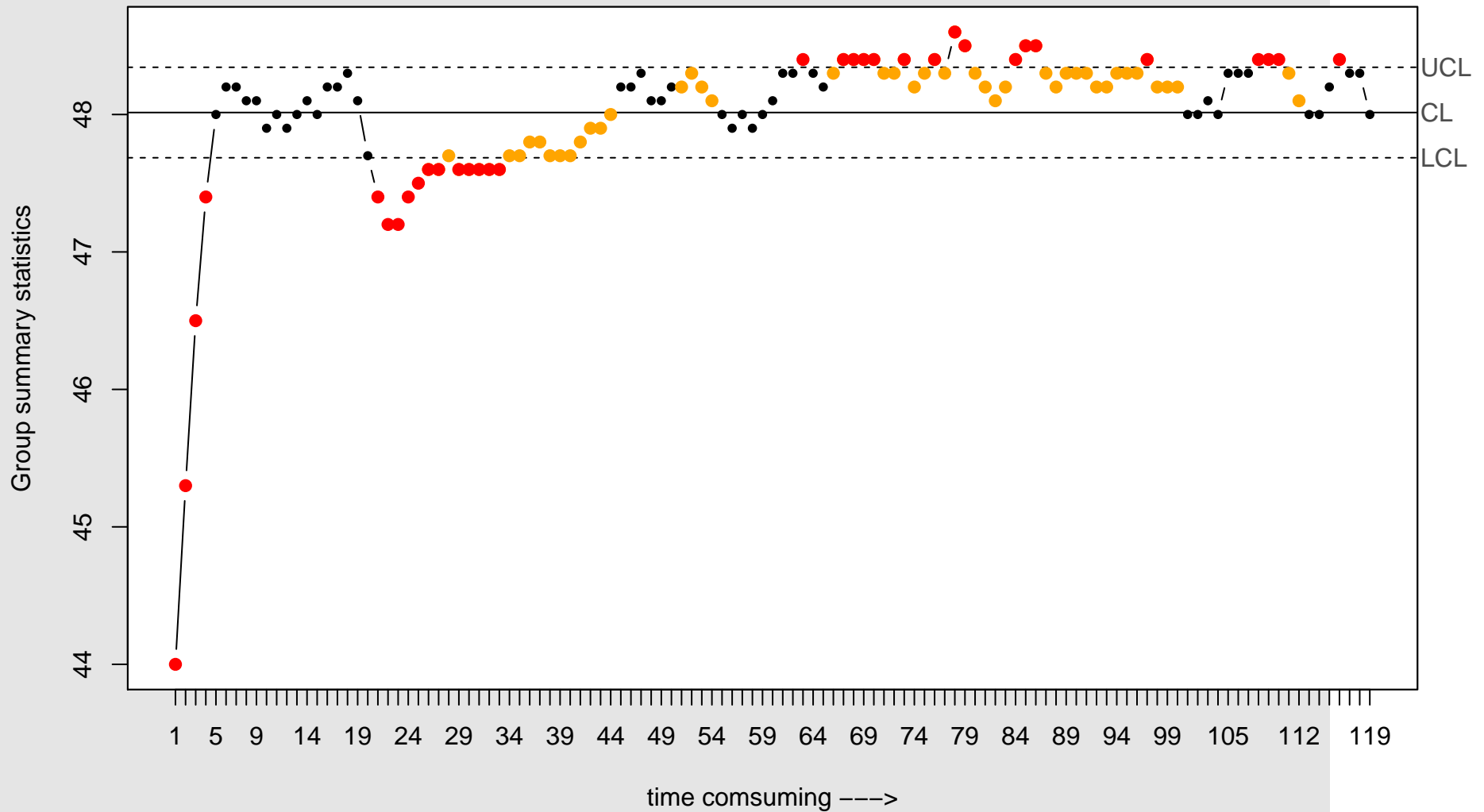
LCL = 47.71062

UCL = 48.40031

Number beyond limits = 19

Number violating runs = 73

## 256th column point of this product

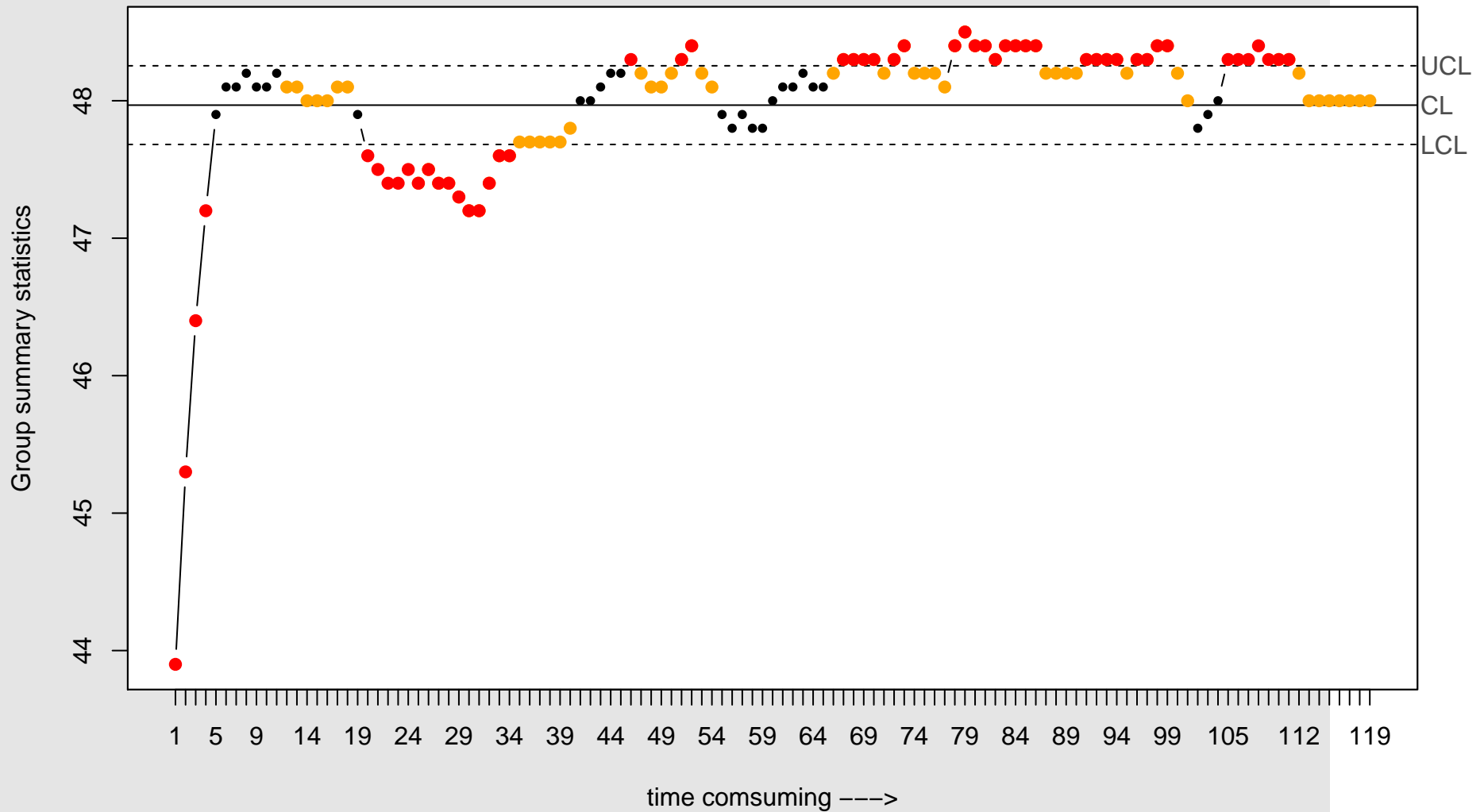


Number of groups = 119  
Center = 48.01429  
StdDev = 0.1096887

LCL = 47.68522  
UCL = 48.34335

Number beyond limits = 33  
Number violating runs = 60

## 257th column point of this product



Number of groups = 119

Center = 47.96807

StdDev = 0.09541411

LCL = 47.68182

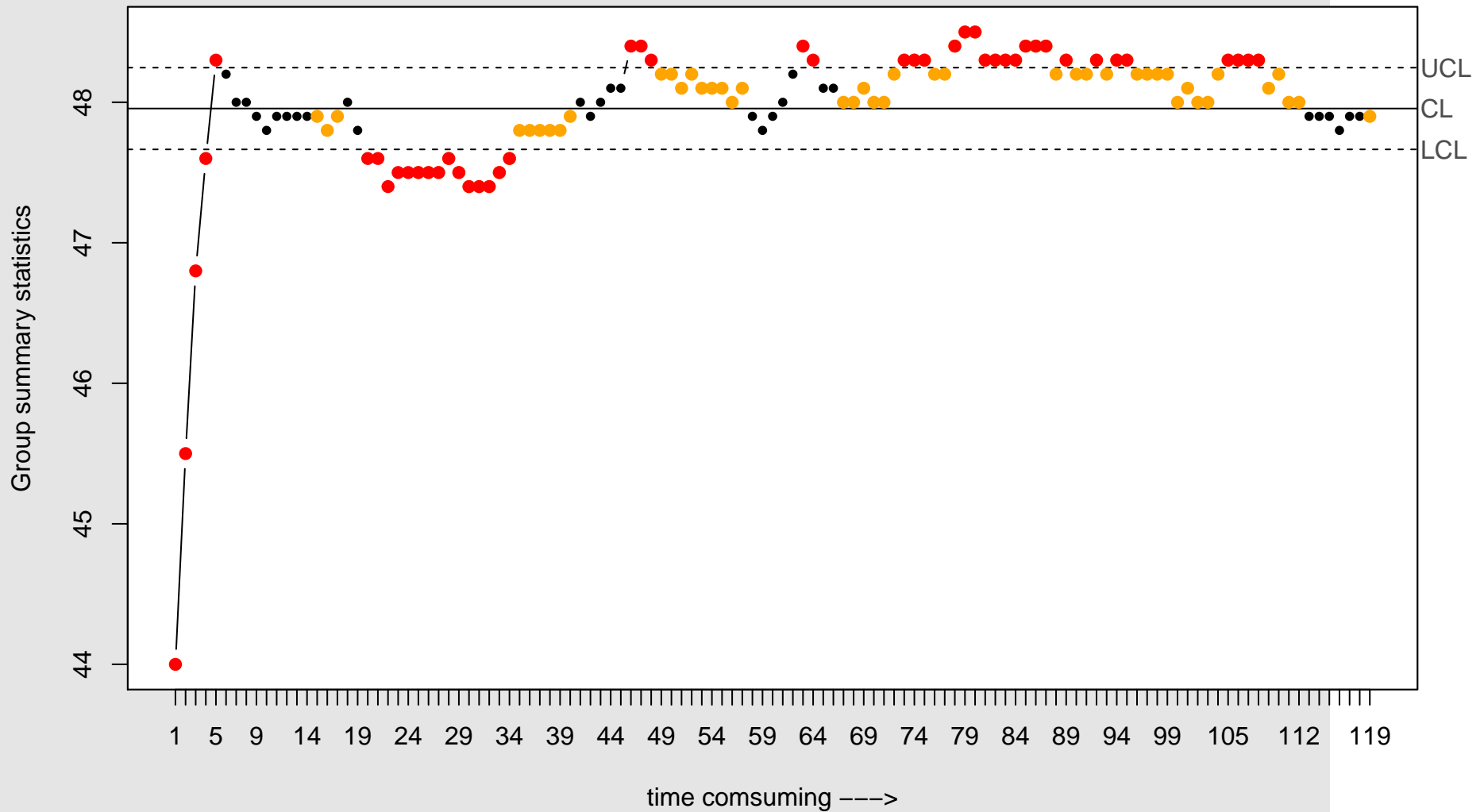
UCL = 48.25431

Number beyond limits = 52

Number violating runs = 77



## 258th column point of this product



Number of groups = 119

Center = 47.95546

StdDev = 0.0969167

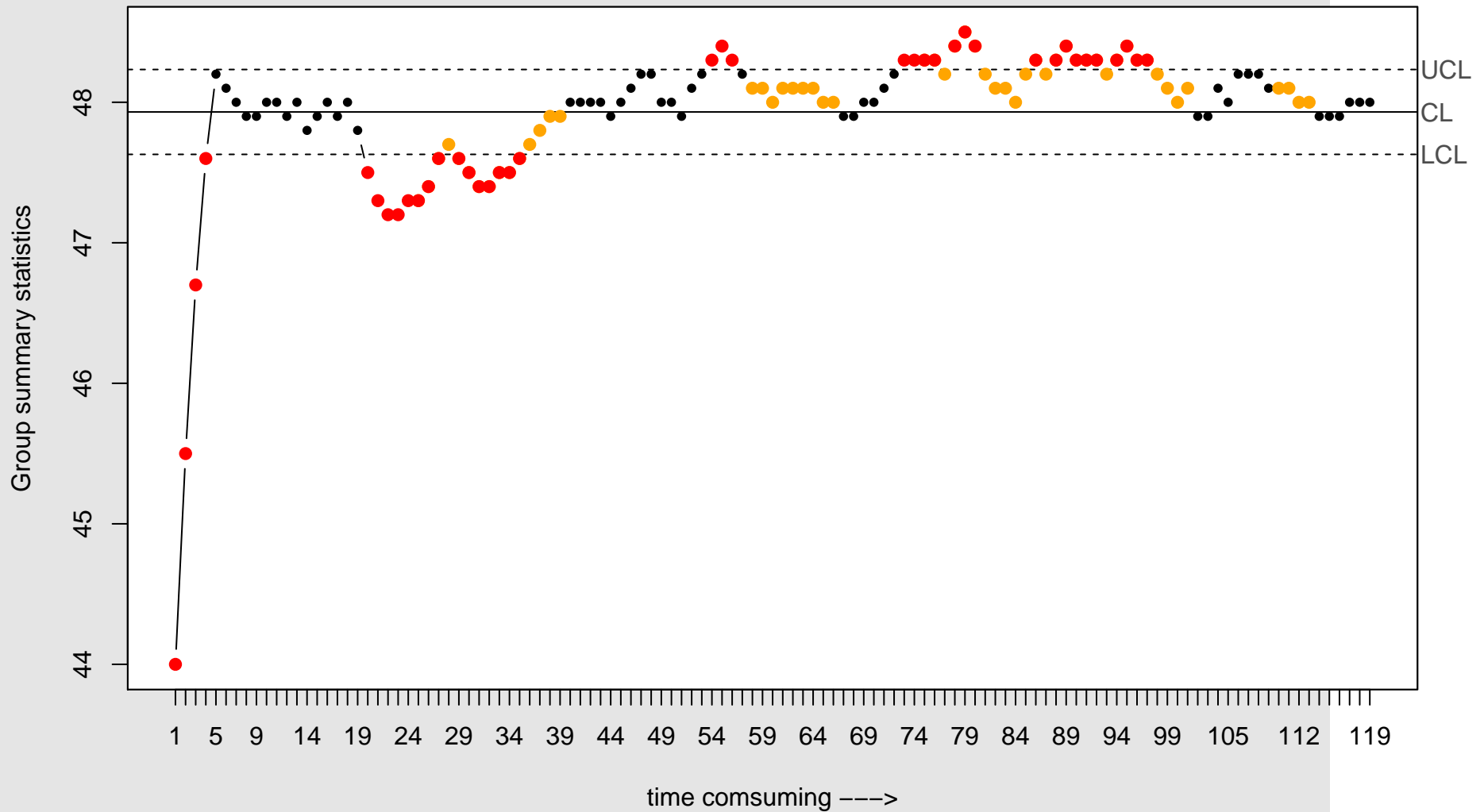
LCL = 47.66471

UCL = 48.24621

Number beyond limits = 46

Number violating runs = 75

## 259th column point of this product



Number of groups = 119

Center = 47.93109

StdDev = 0.1006732

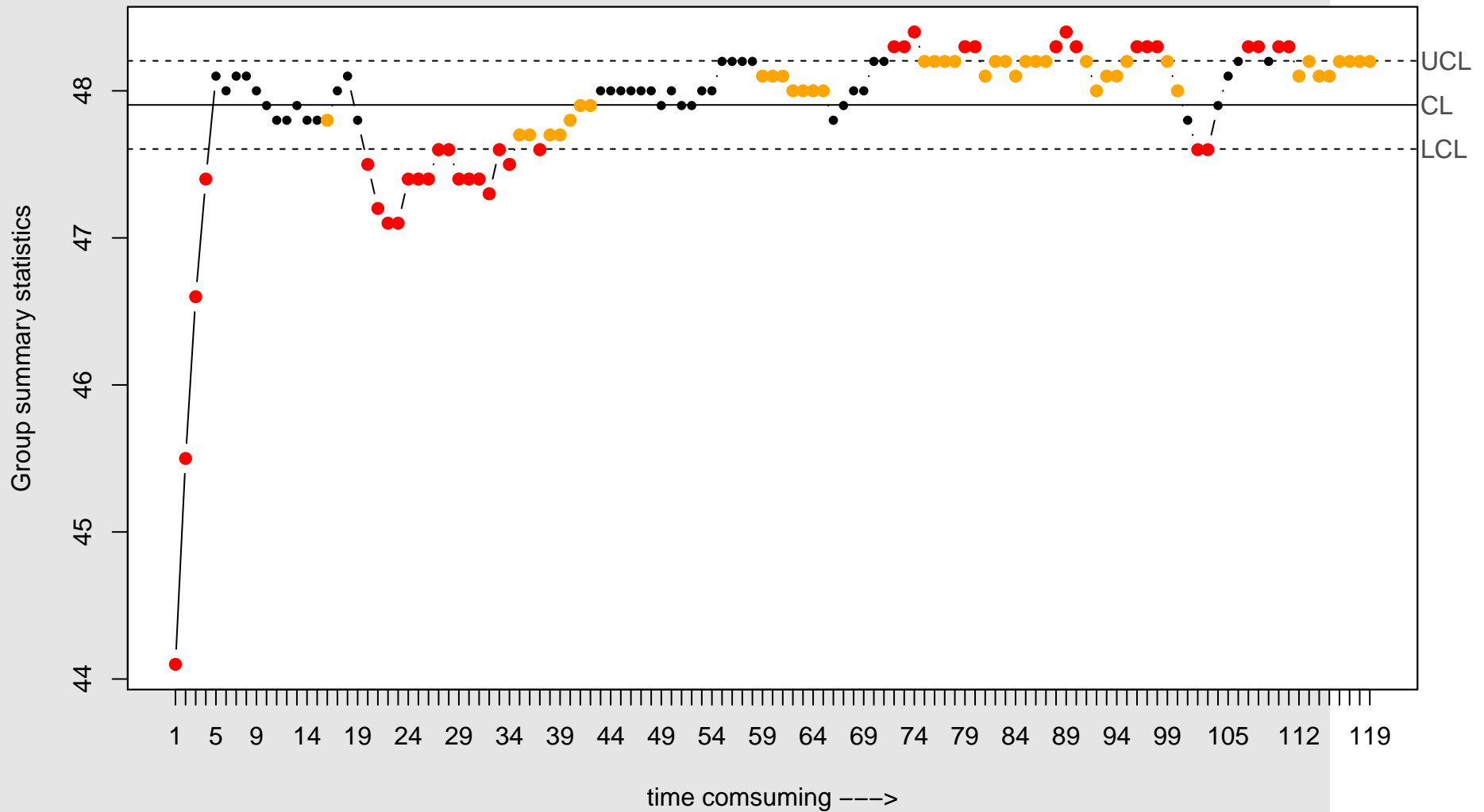
LCL = 47.62907

UCL = 48.23311

Number beyond limits = 39

Number violating runs = 55

## 260th column point of this product

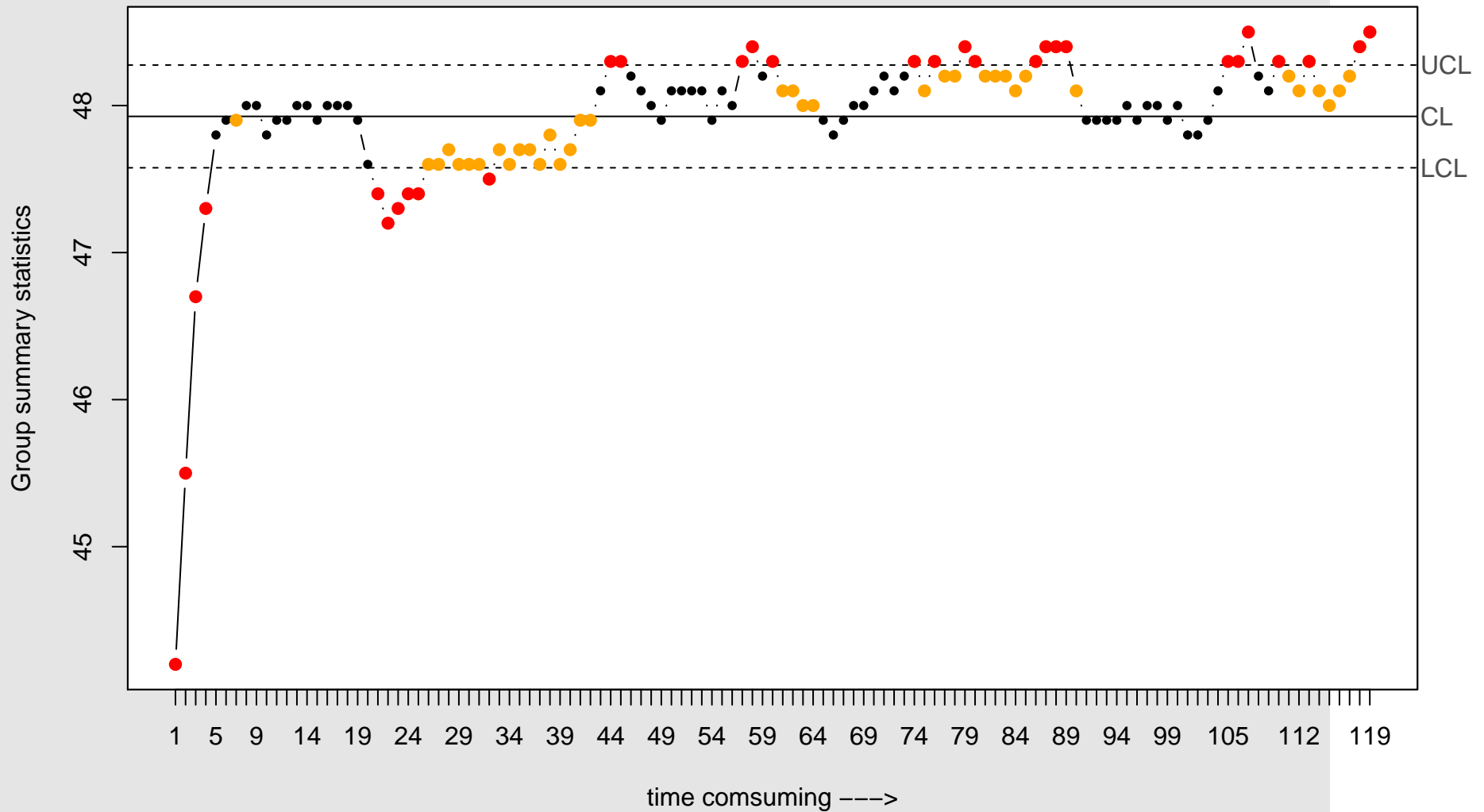


Number of groups = 119  
Center = 47.9042  
StdDev = 0.09992187

LCL = 47.60444  
UCL = 48.20397

Number beyond limits = 37  
Number violating runs = 62

## 261th column point of this product



Number of groups = 119

Center = 47.92605

StdDev = 0.1164503

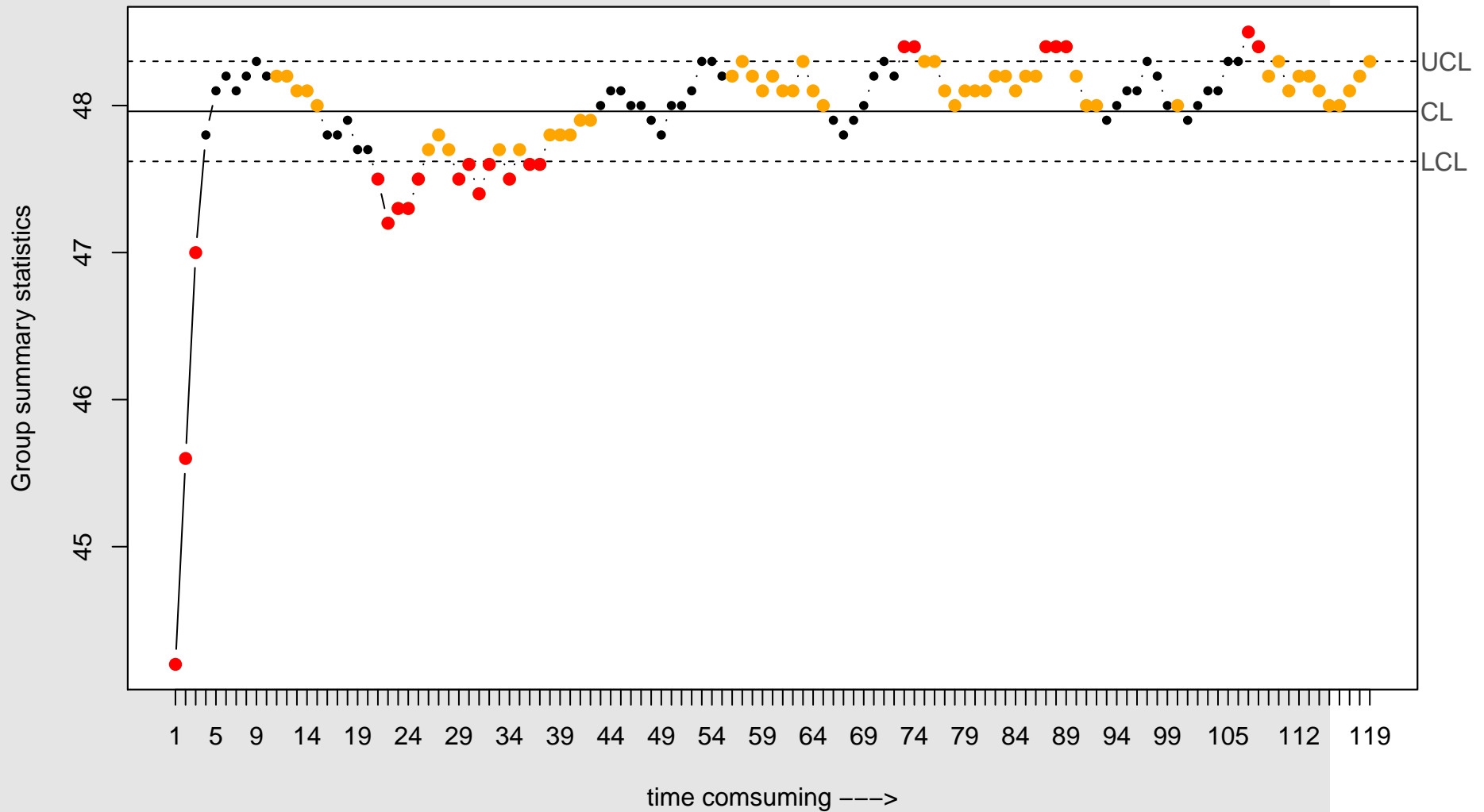
LCL = 47.5767

UCL = 48.2754

Number beyond limits = 30

Number violating runs = 50

## 262th column point of this product



Number of groups = 119

Center = 47.9605

StdDev = 0.1134451

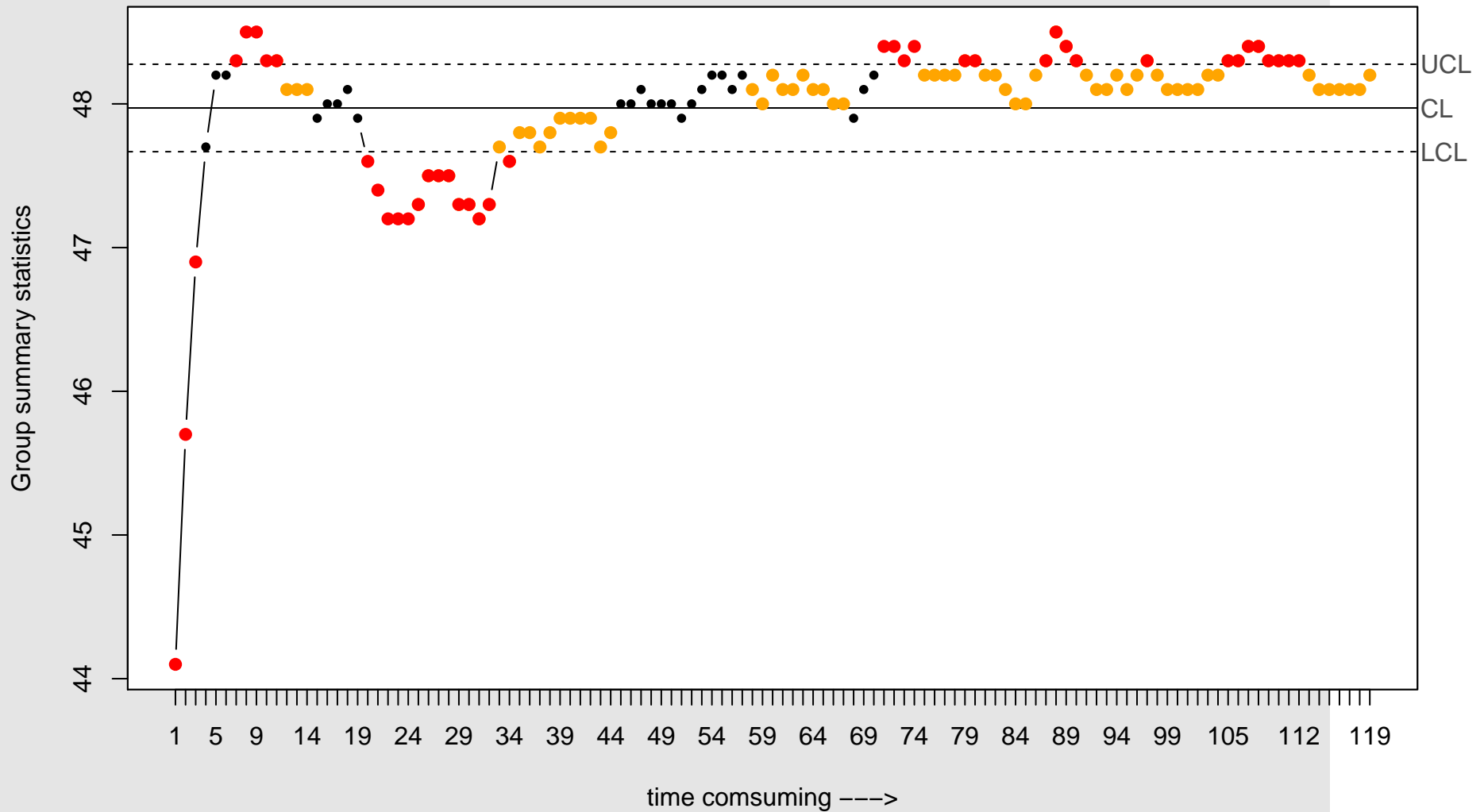
LCL = 47.62017

UCL = 48.30084

Number beyond limits = 22

Number violating runs = 67

## 263th column point of this product



Number of groups = 119

Center = 47.97143

StdDev = 0.1014245

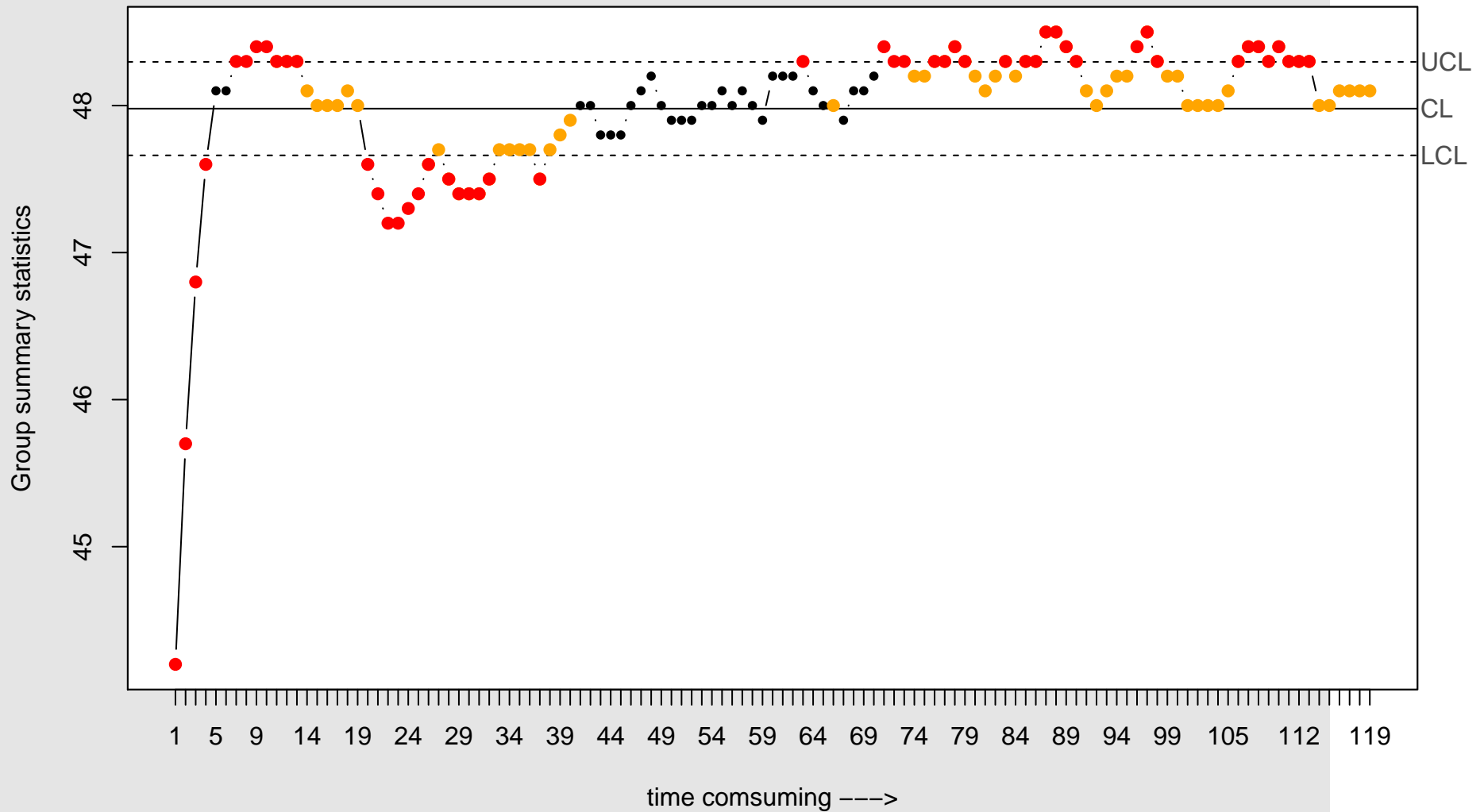
LCL = 47.66716

UCL = 48.2757

Number beyond limits = 41

Number violating runs = 79

## 264th column point of this product



Number of groups = 119

Center = 47.97899

StdDev = 0.1059322

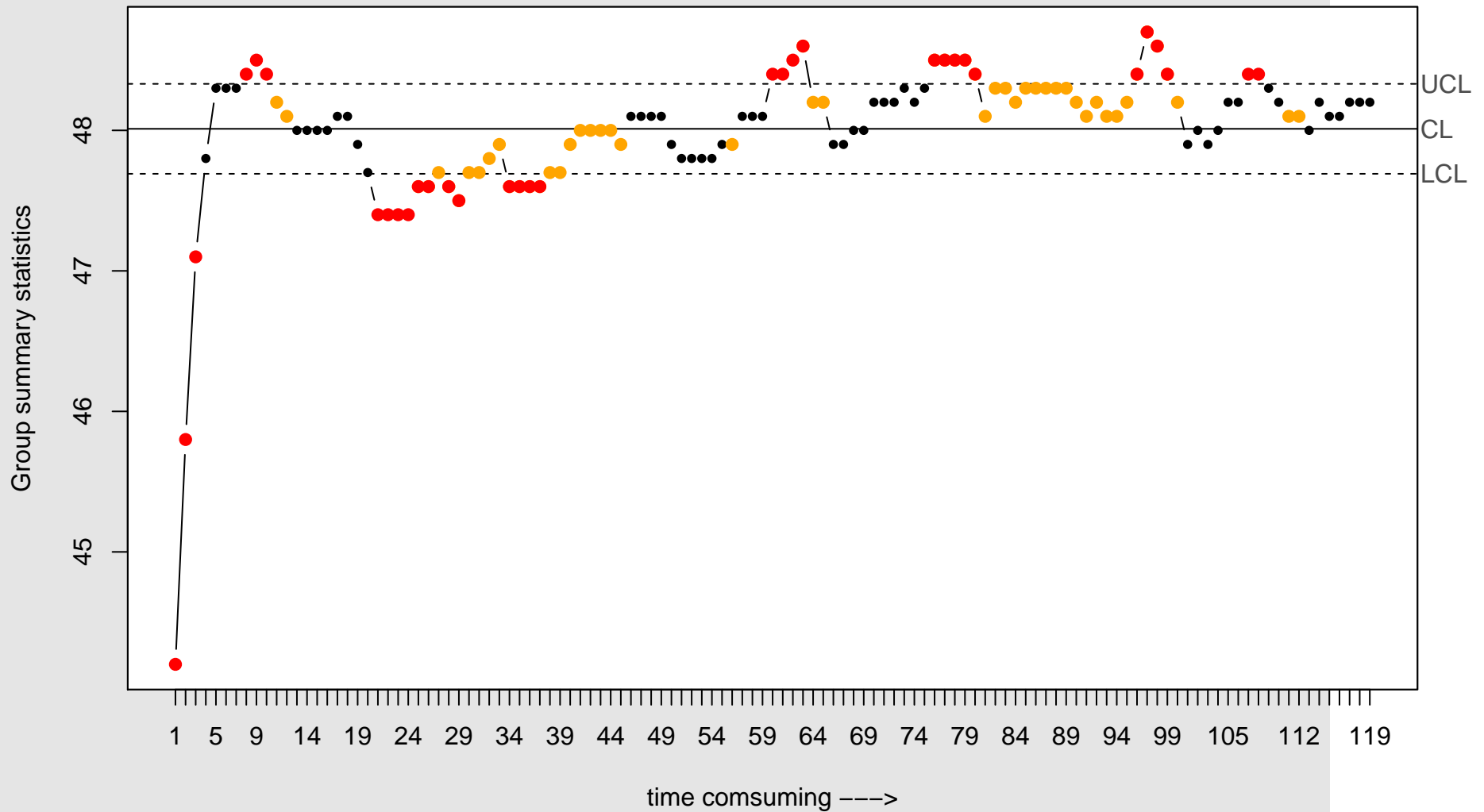
LCL = 47.66119

UCL = 48.29679

Number beyond limits = 50

Number violating runs = 71

## 265th column point of this product



Number of groups = 119

Center = 48.01092

StdDev = 0.1066835

LCL = 47.69087

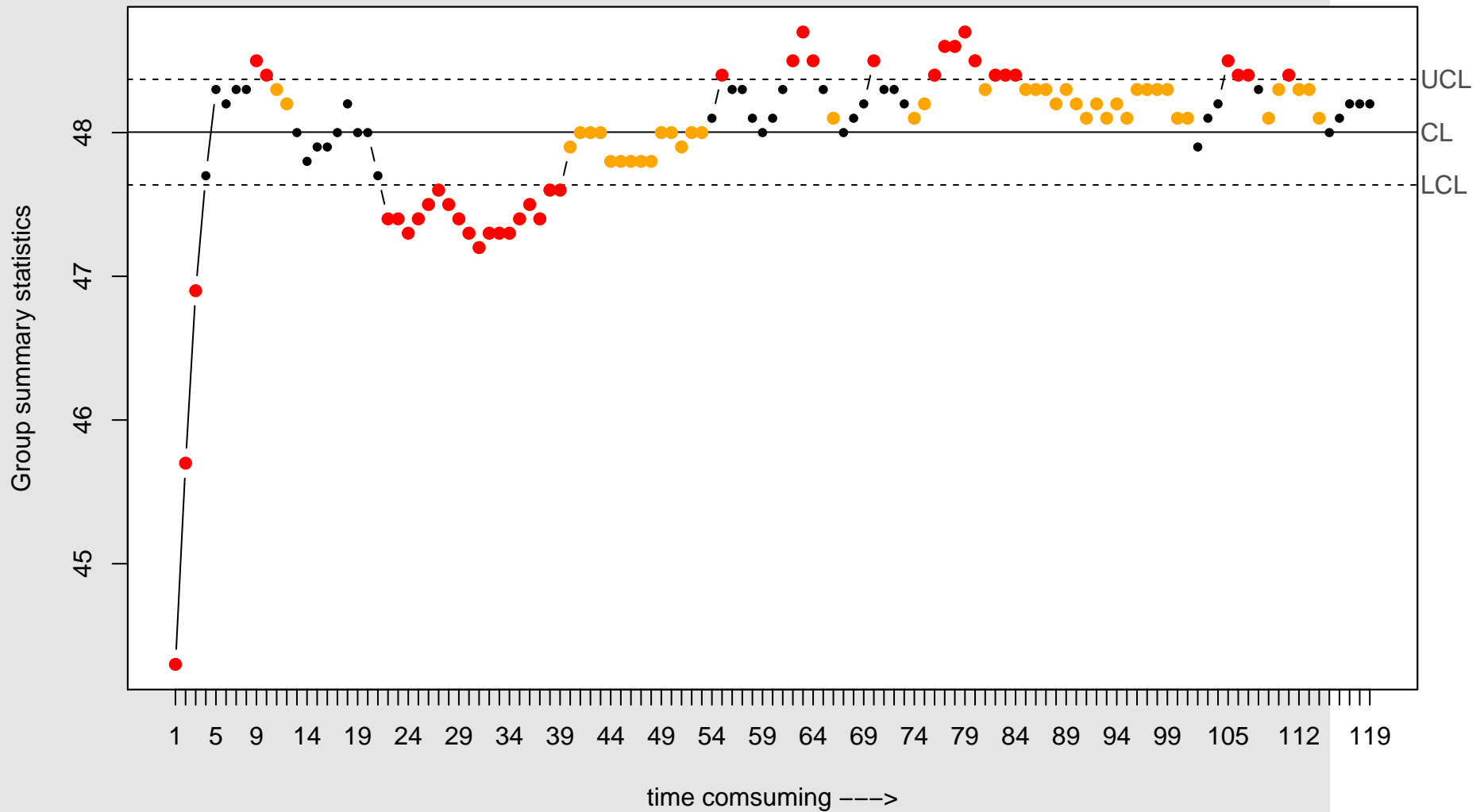
UCL = 48.33097

Number beyond limits = 33

Number violating runs = 54



## 266th column point of this product



Number of groups = 119

Center = 48.00336

StdDev = 0.1224606

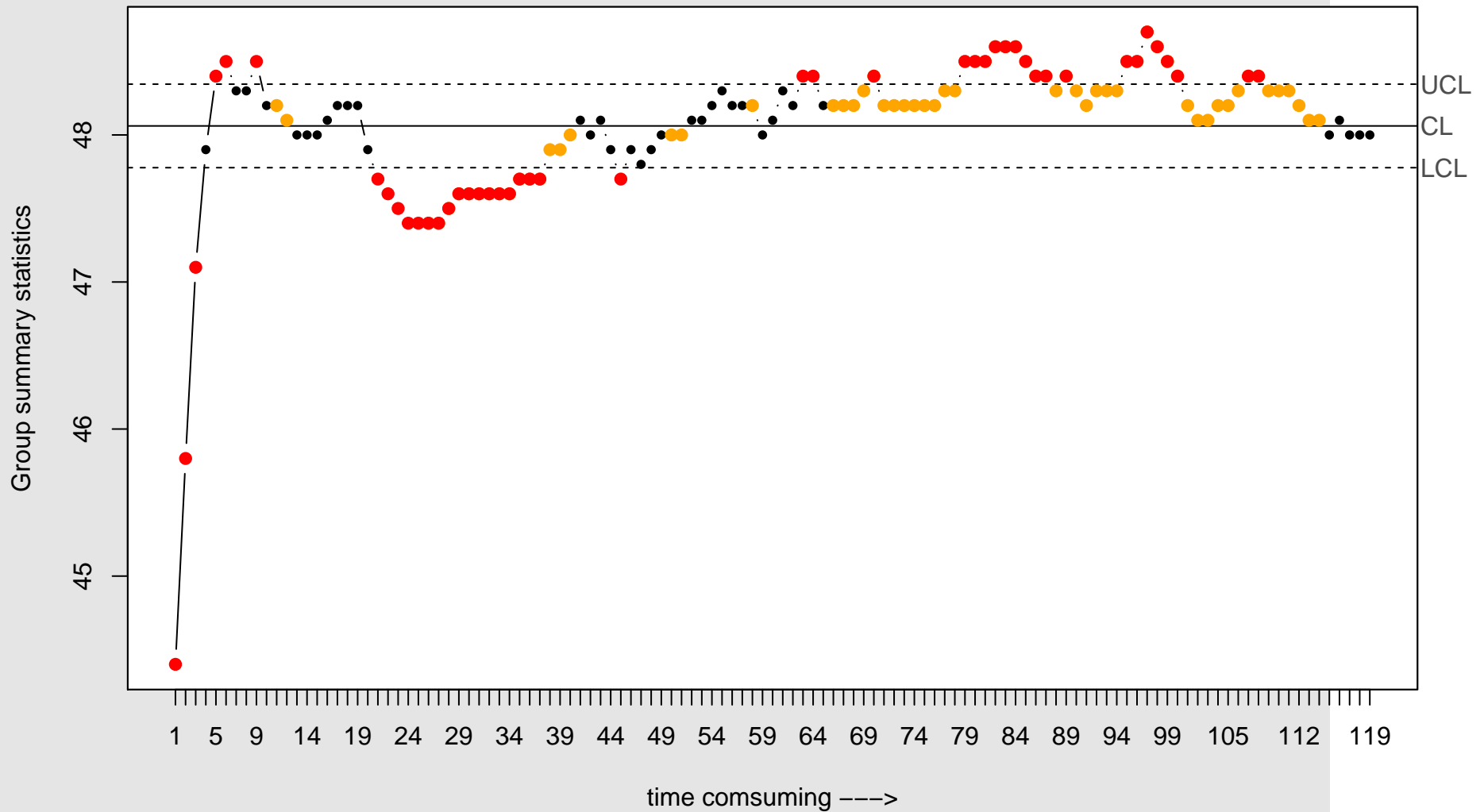
LCL = 47.63598

UCL = 48.37074

Number beyond limits = 40

Number violating runs = 66

## 267th column point of this product



Number of groups = 119

Center = 48.06134

StdDev = 0.09466282

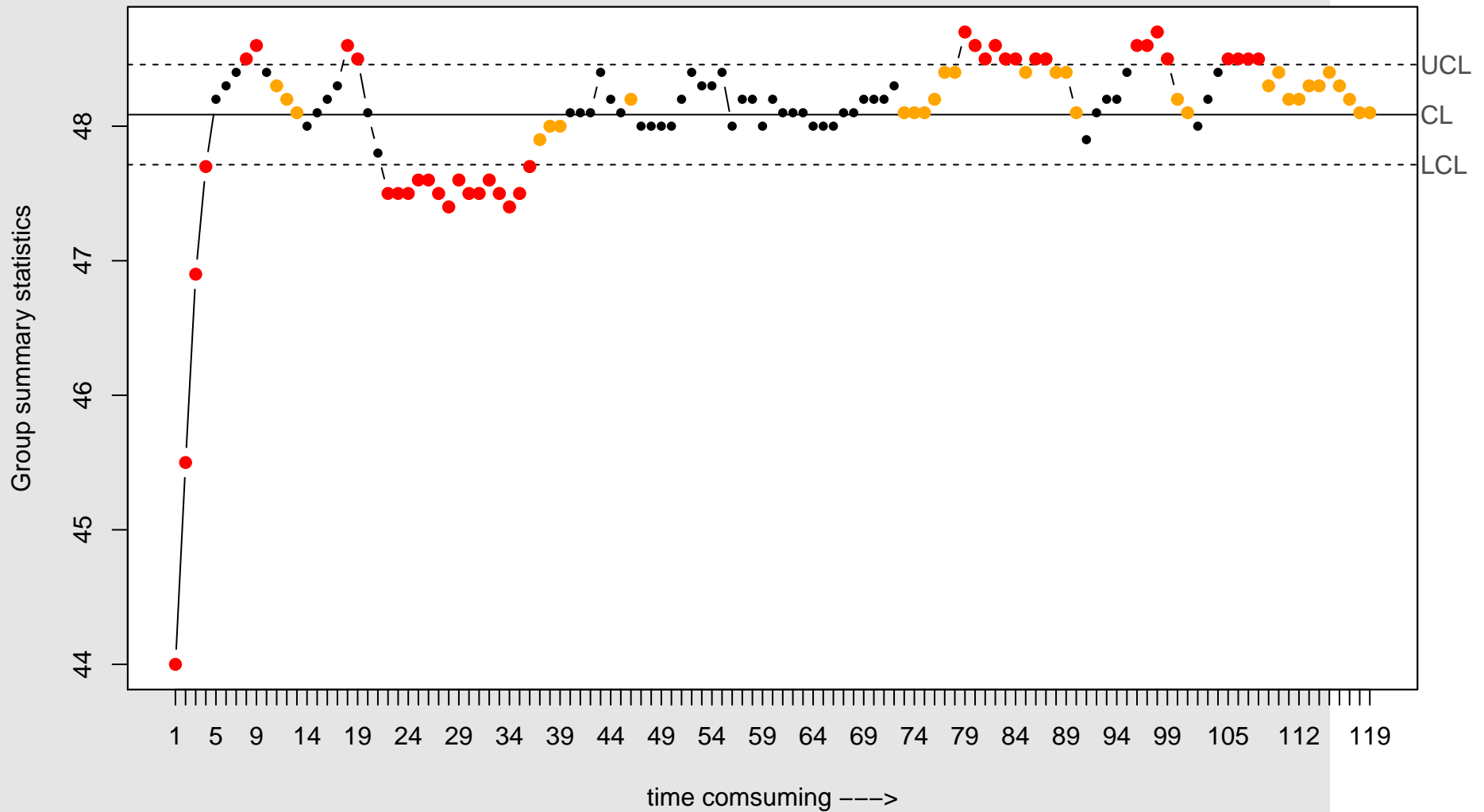
LCL = 47.77736

UCL = 48.34533

Number beyond limits = 45

Number violating runs = 69

## 268th column point of this product



Number of groups = 119

Center = 48.08571

StdDev = 0.1239632

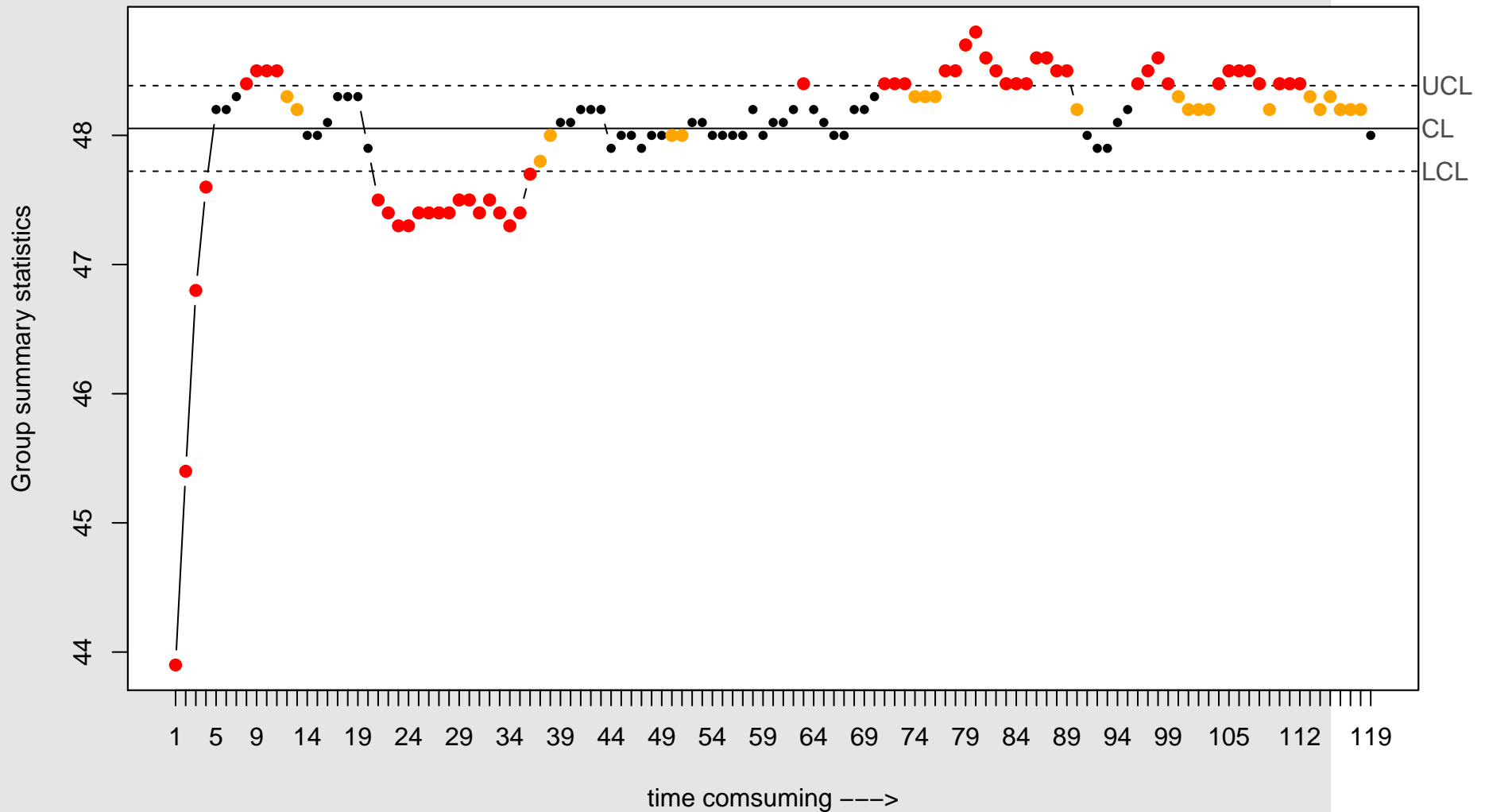
LCL = 47.71382

UCL = 48.4576

Number beyond limits = 39

Number violating runs = 50

## 269th column point of this product

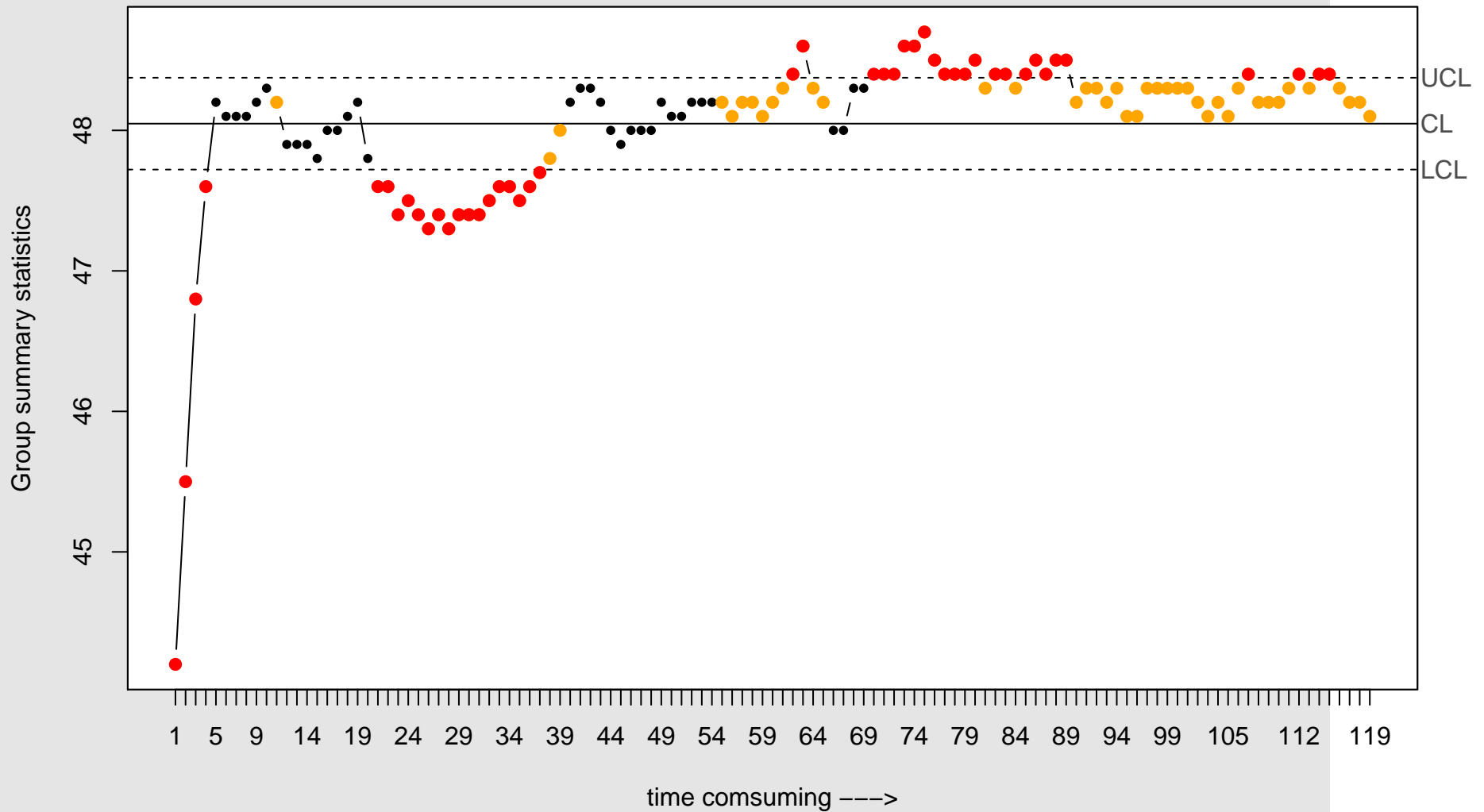


Number of groups = 119  
Center = 48.05378  
StdDev = 0.11044

LCL = 47.72246  
UCL = 48.3851

Number beyond limits = 53  
Number violating runs = 54

## 270th column point of this product



Number of groups = 119

Center = 48.0479

StdDev = 0.1089374

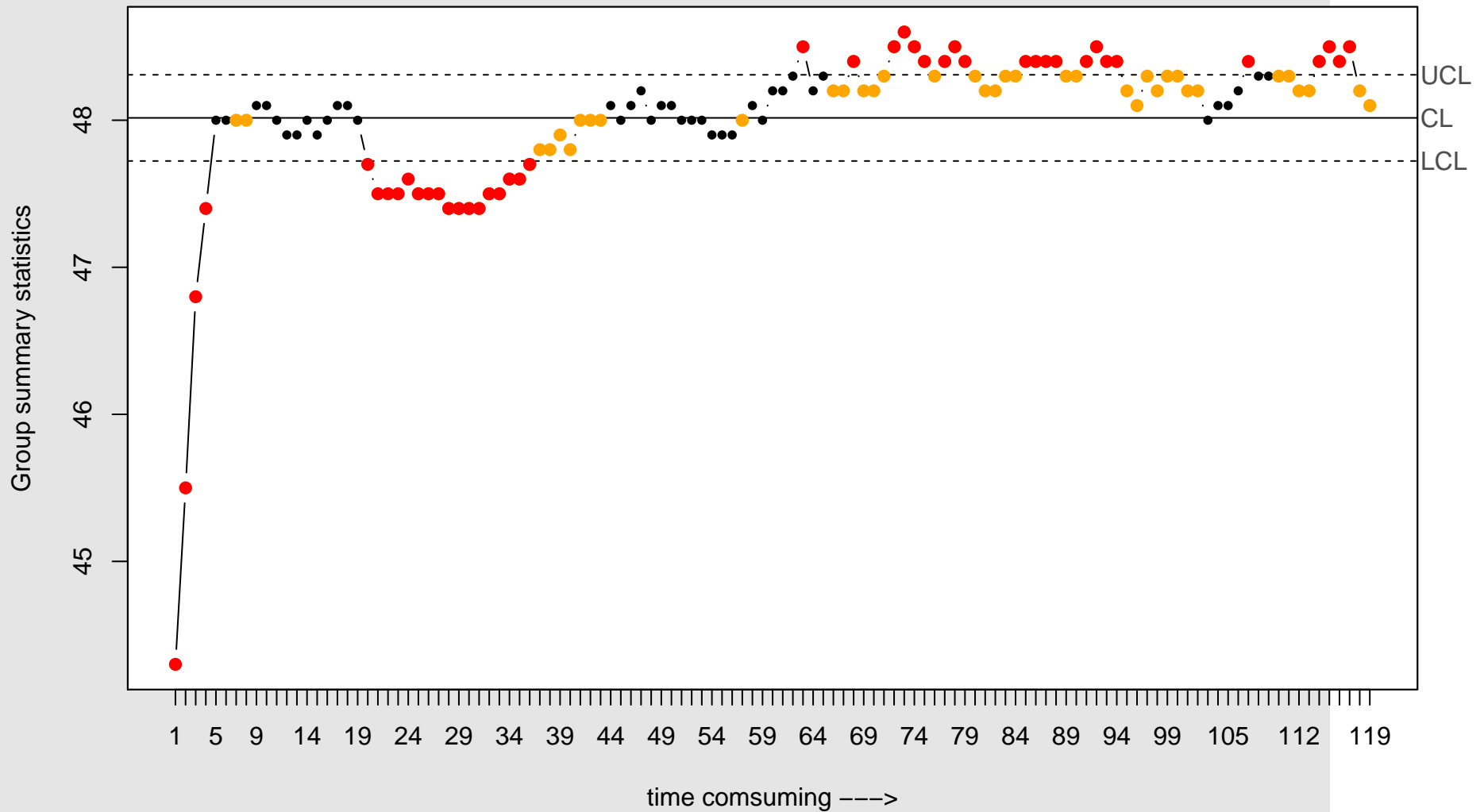
LCL = 47.72109

UCL = 48.37471

Number beyond limits = 45

Number violating runs = 72

## 271th column point of this product



Number of groups = 119

Center = 48.01597

StdDev = 0.09766799

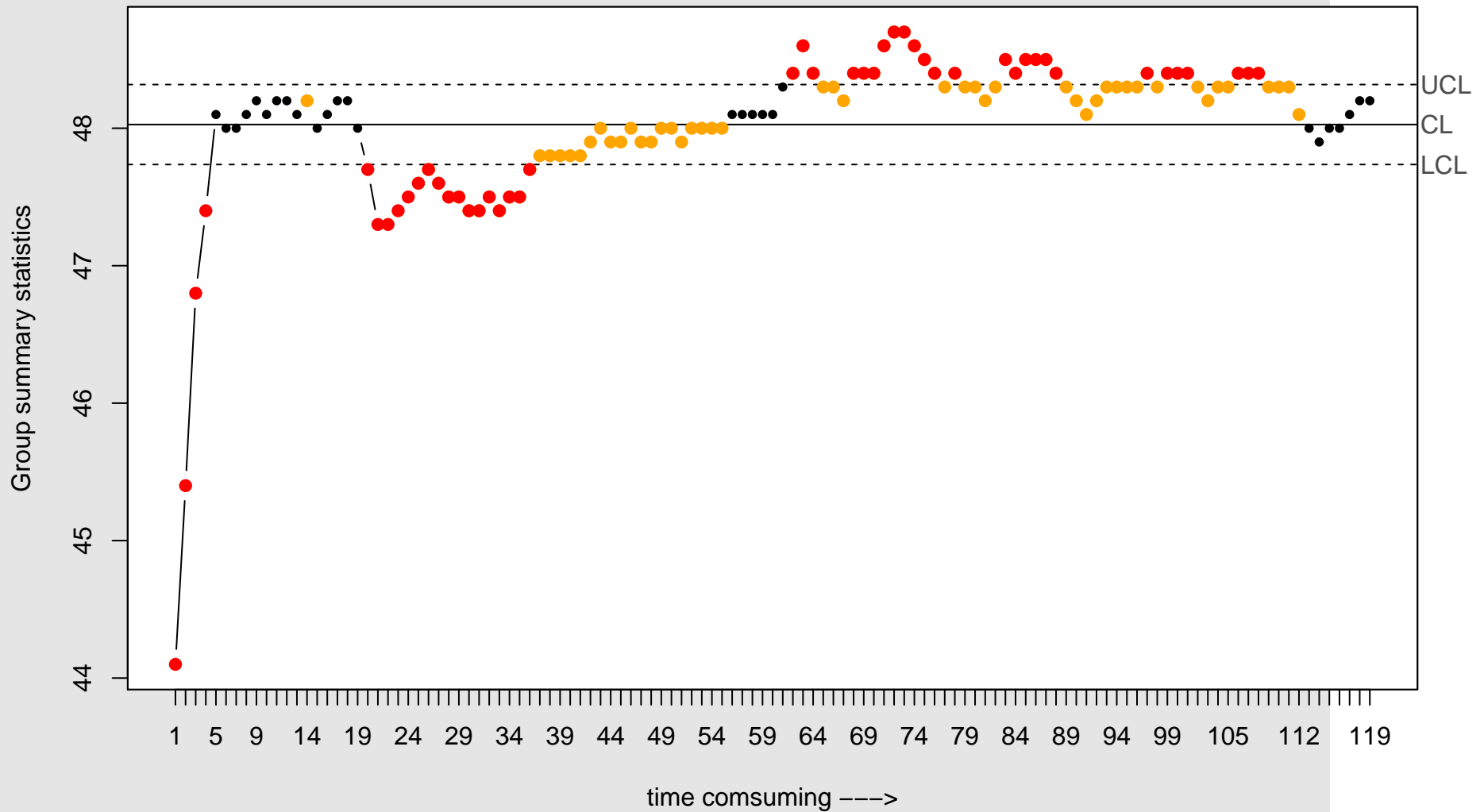
LCL = 47.72296

UCL = 48.30897

Number beyond limits = 43

Number violating runs = 69

## 272th column point of this product



Number of groups = 119

Center = 48.02689

StdDev = 0.0969167

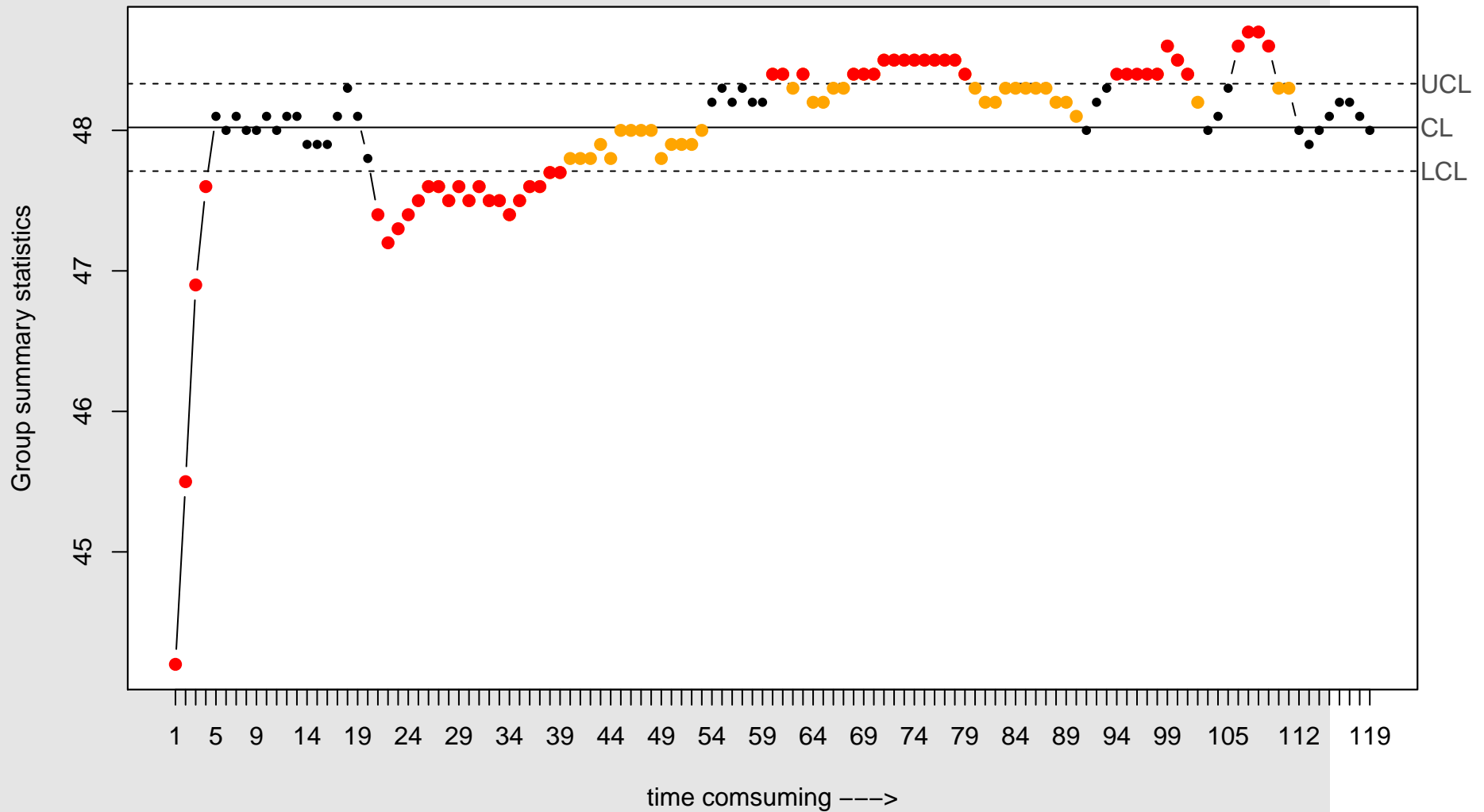
LCL = 47.73614

UCL = 48.31764

Number beyond limits = 47

Number violating runs = 83

## 273th column point of this product



Number of groups = 119

Center = 48.02101

StdDev = 0.1036783

LCL = 47.70997

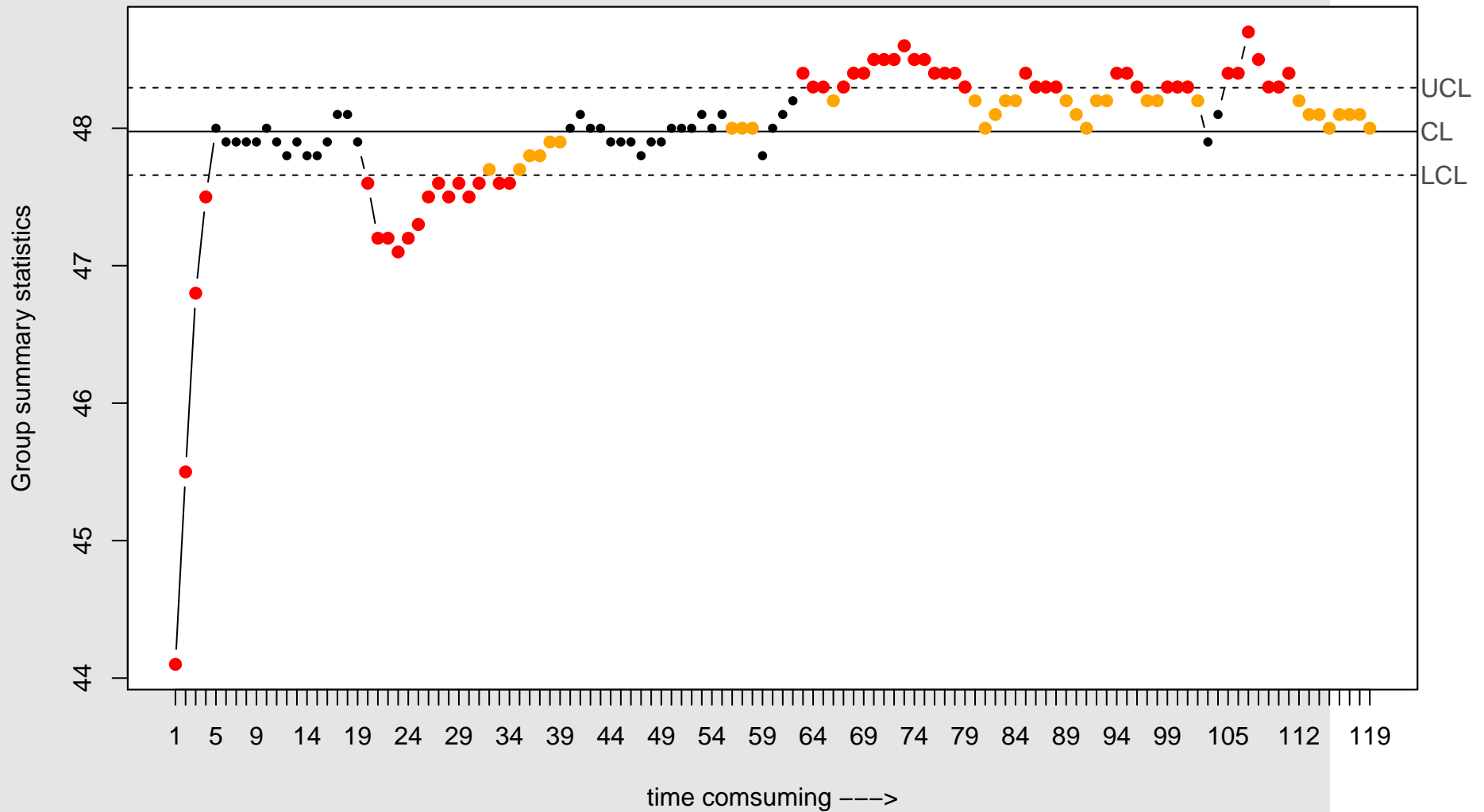
UCL = 48.33204

Number beyond limits = 50

Number violating runs = 66



## 274th column point of this product



Number of groups = 119

Center = 47.97647

StdDev = 0.1059322

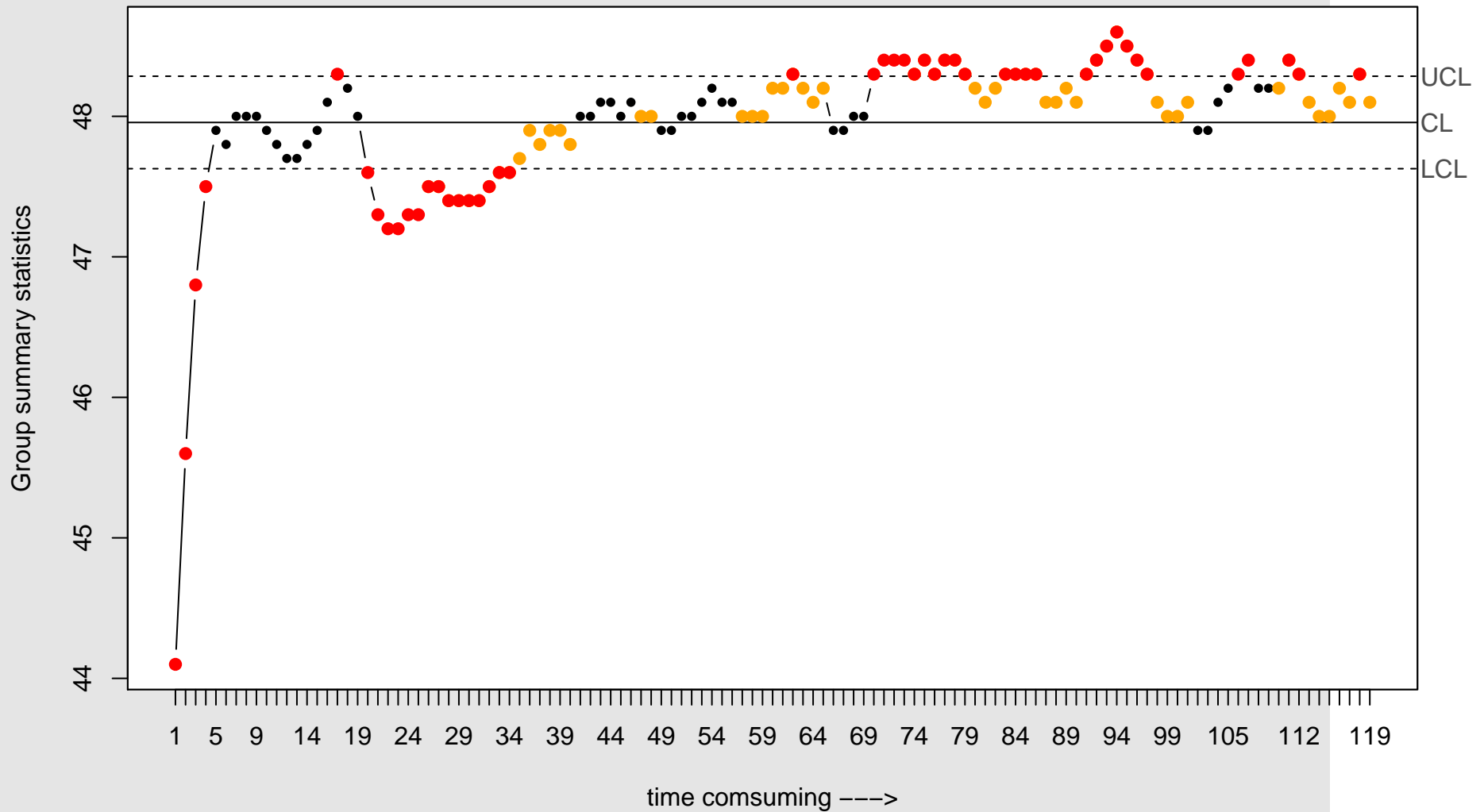
LCL = 47.65867

UCL = 48.29427

Number beyond limits = 51

Number violating runs = 65

## 275th column point of this product



Number of groups = 119

Center = 47.9563

StdDev = 0.1096887

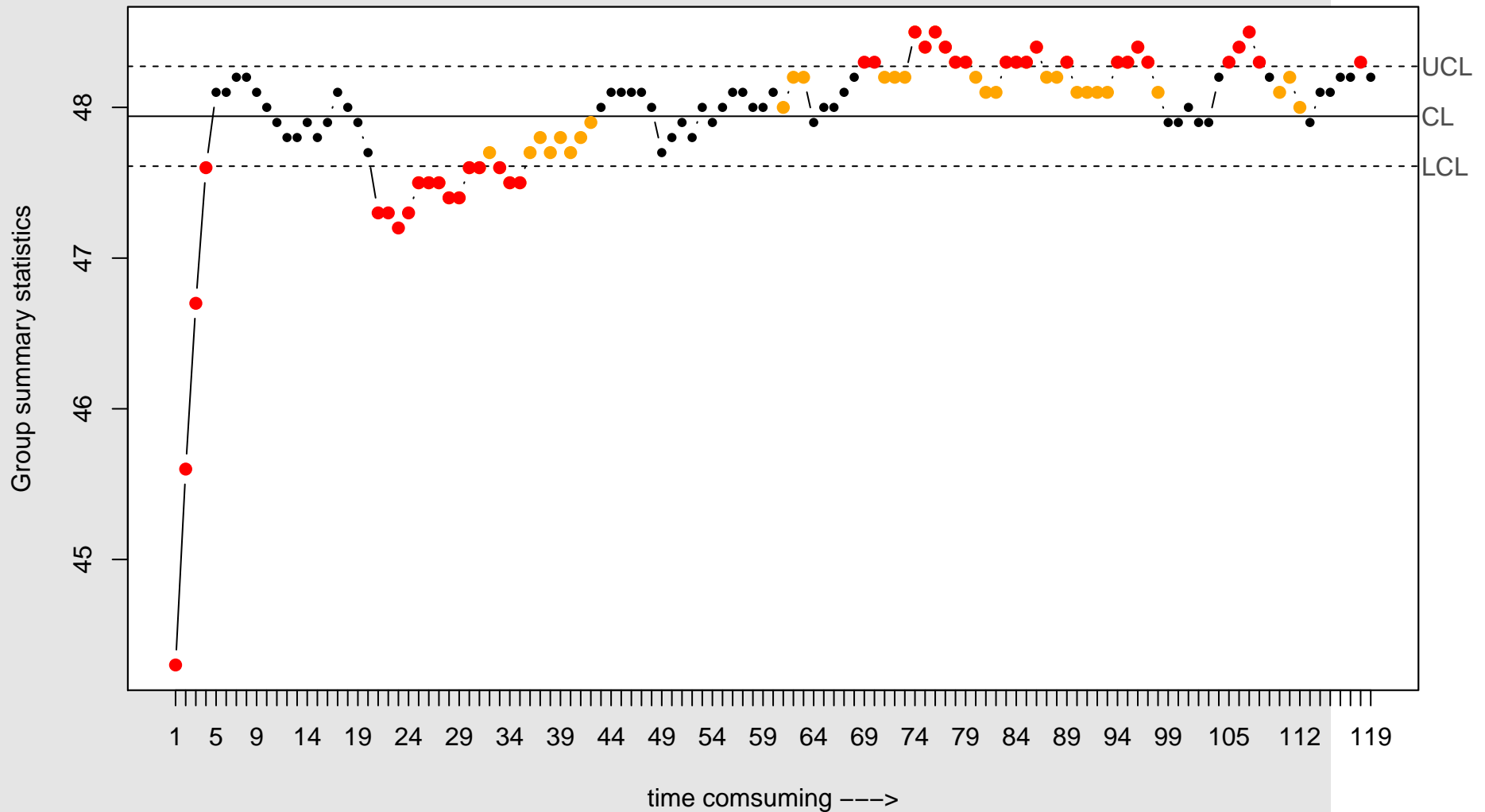
LCL = 47.62724

UCL = 48.28537

Number beyond limits = 47

Number violating runs = 64

## 276th column point of this product



Number of groups = 119

Center = 47.94118

StdDev = 0.11044

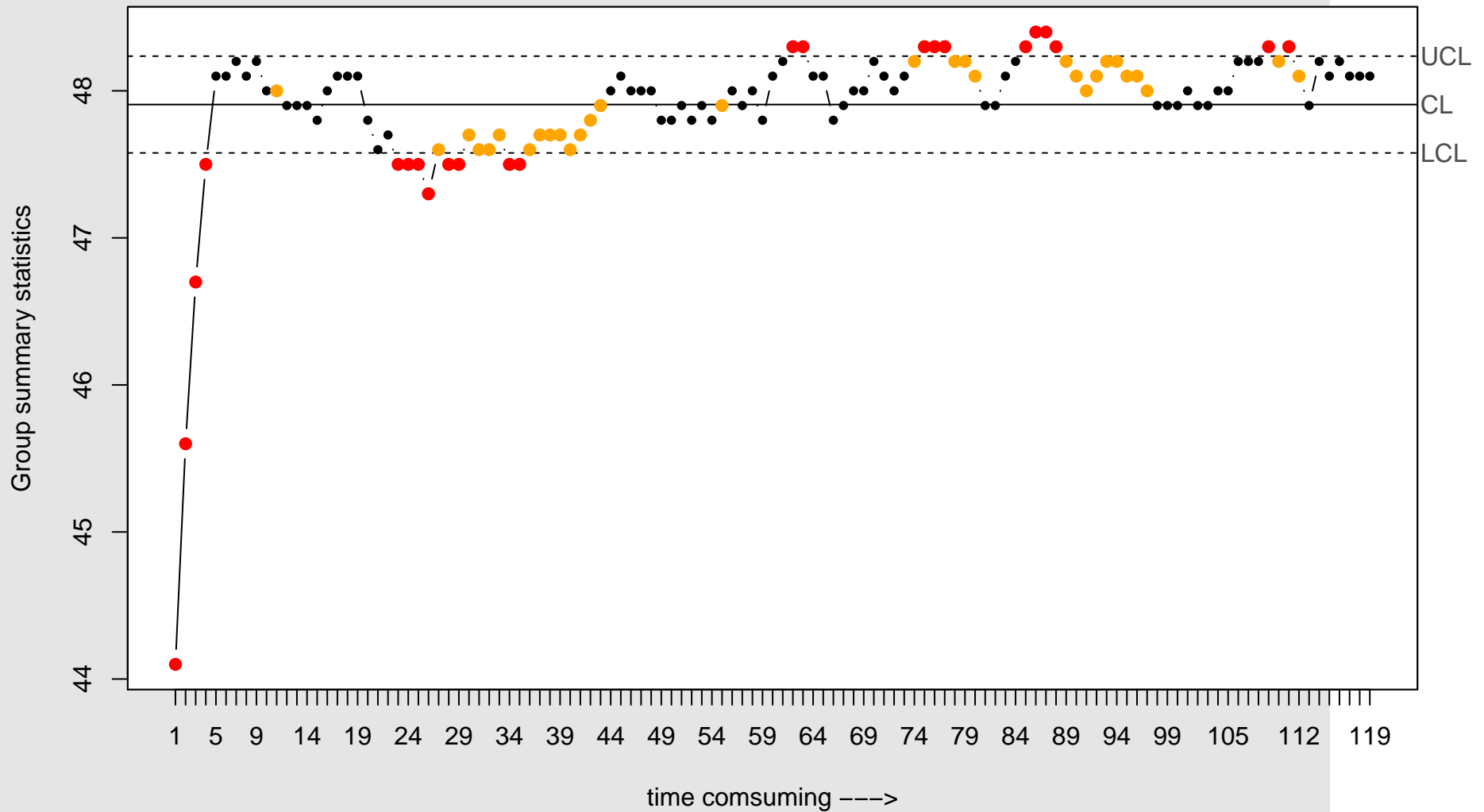
LCL = 47.60986

UCL = 48.2725

Number beyond limits = 40

Number violating runs = 52

## 277th column point of this product



Number of groups = 119

Center = 47.90672

StdDev = 0.1096887

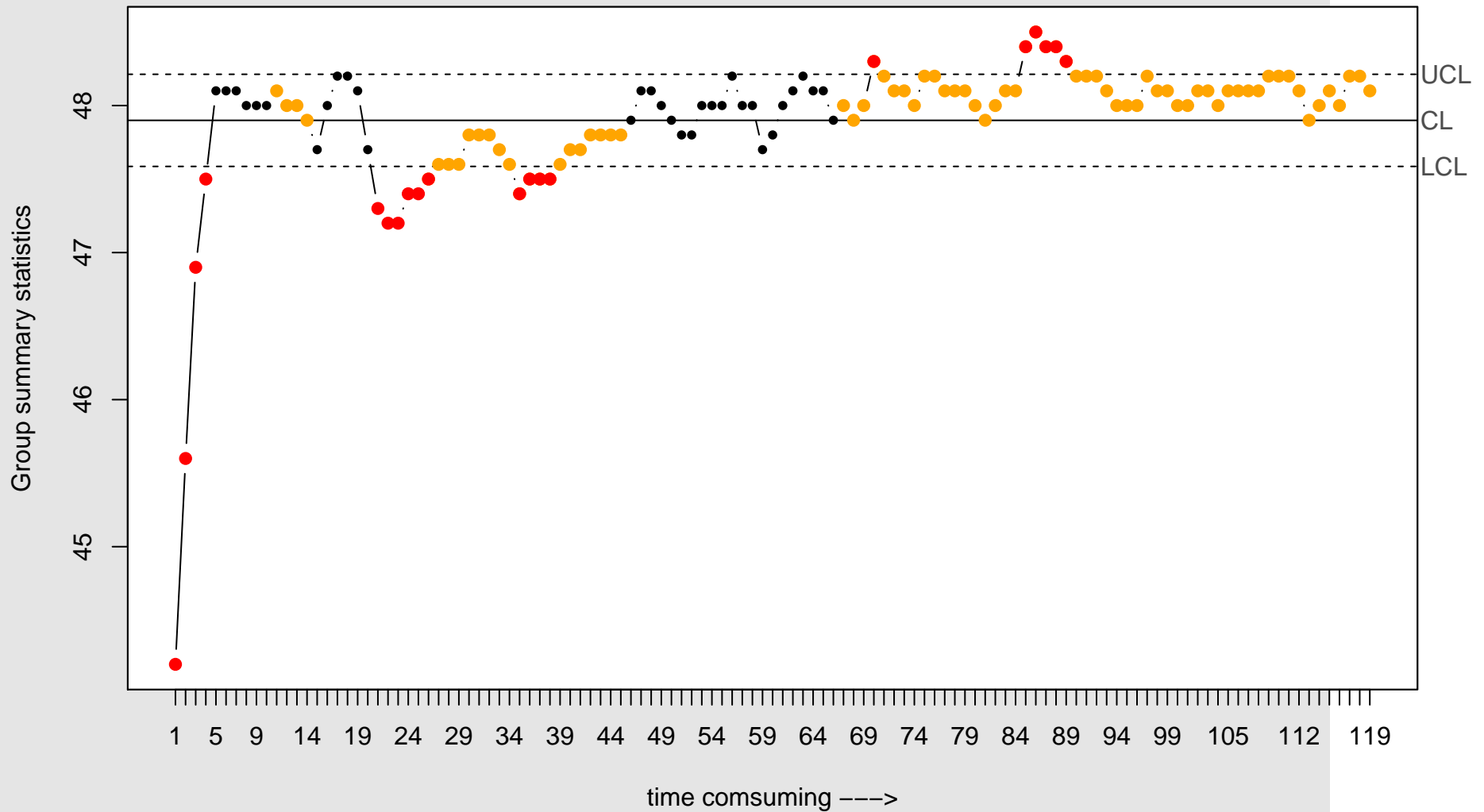
LCL = 47.57766

UCL = 48.23579

Number beyond limits = 23

Number violating runs = 39

## 278th column point of this product



Number of groups = 119

Center = 47.89916

StdDev = 0.1044296

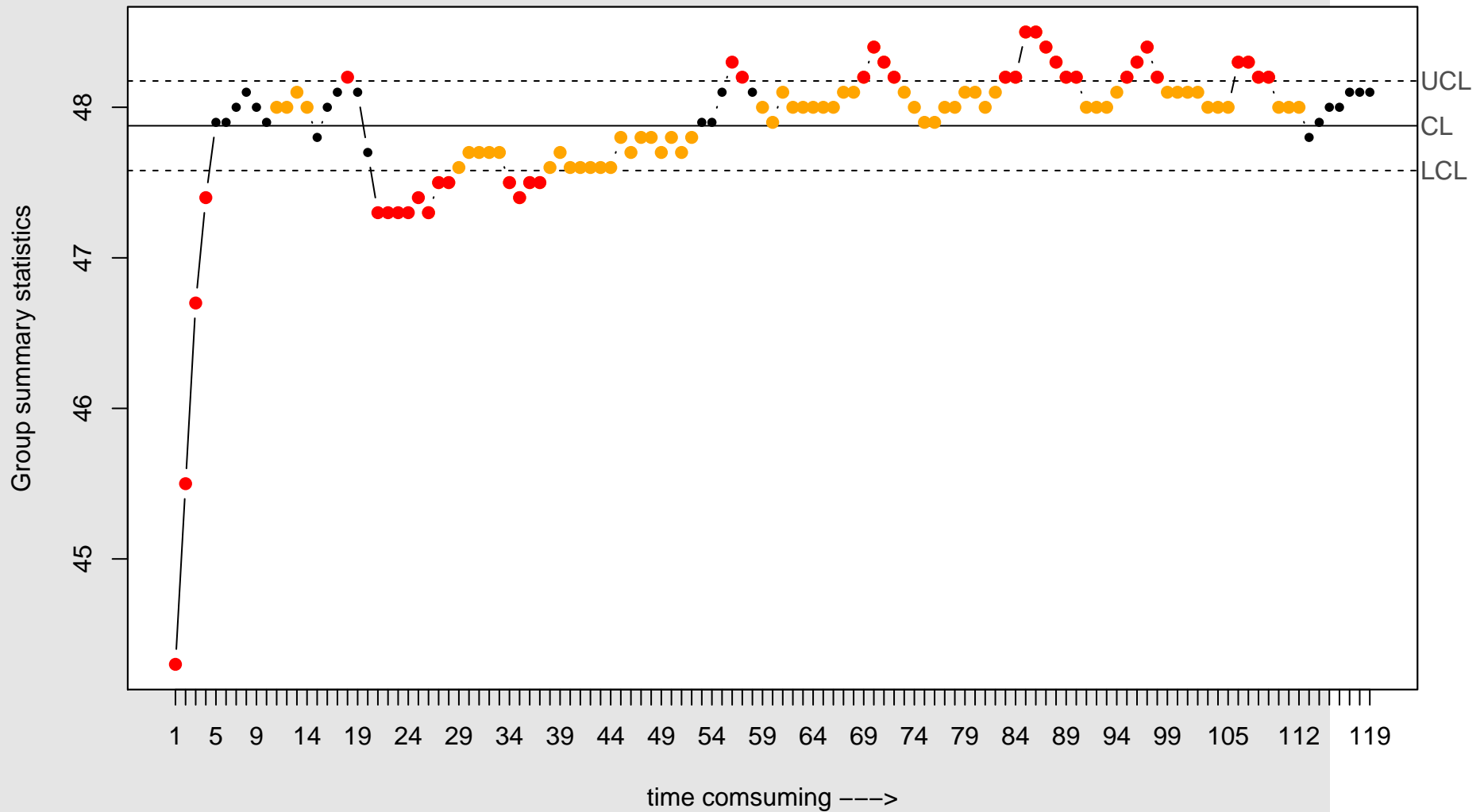
LCL = 47.58587

UCL = 48.21245

Number beyond limits = 20

Number violating runs = 77

## 279th column point of this product



Number of groups = 119

Center = 47.87731

StdDev = 0.09917057

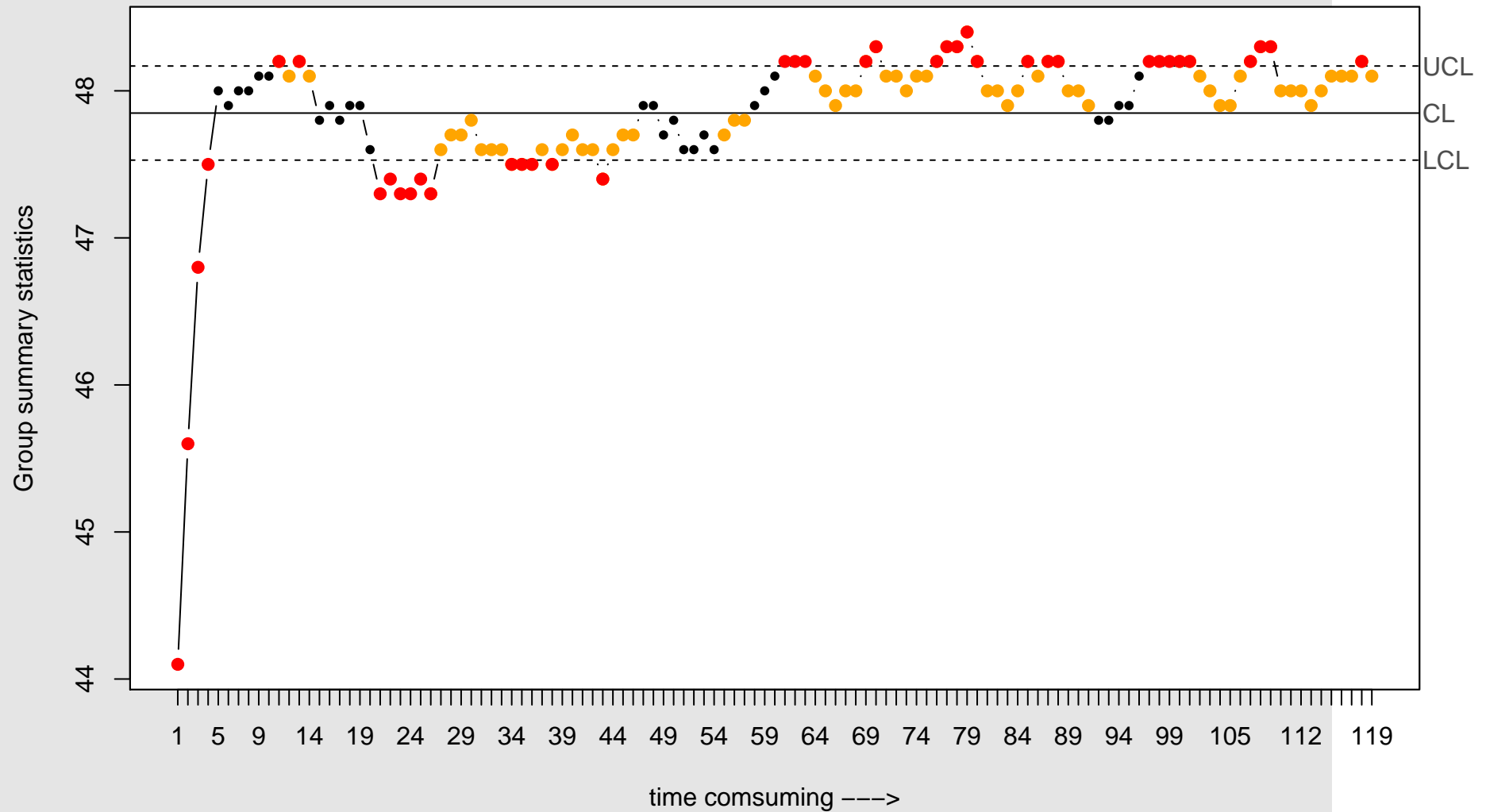
LCL = 47.5798

UCL = 48.17482

Number beyond limits = 39

Number violating runs = 85

## 280th column point of this product



Number of groups = 119

Center = 47.84874

StdDev = 0.1066835

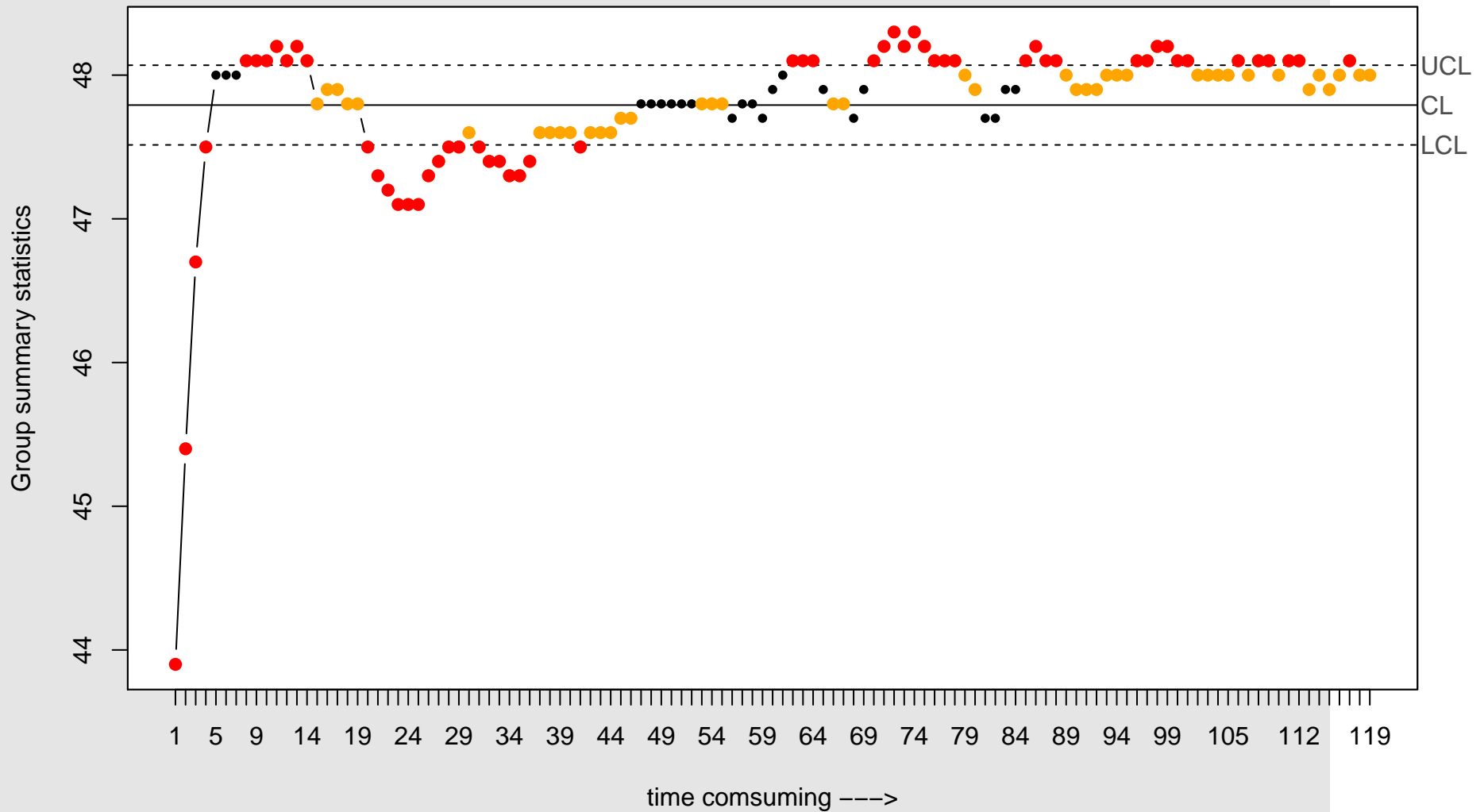
LCL = 47.52869

UCL = 48.16879

Number beyond limits = 39

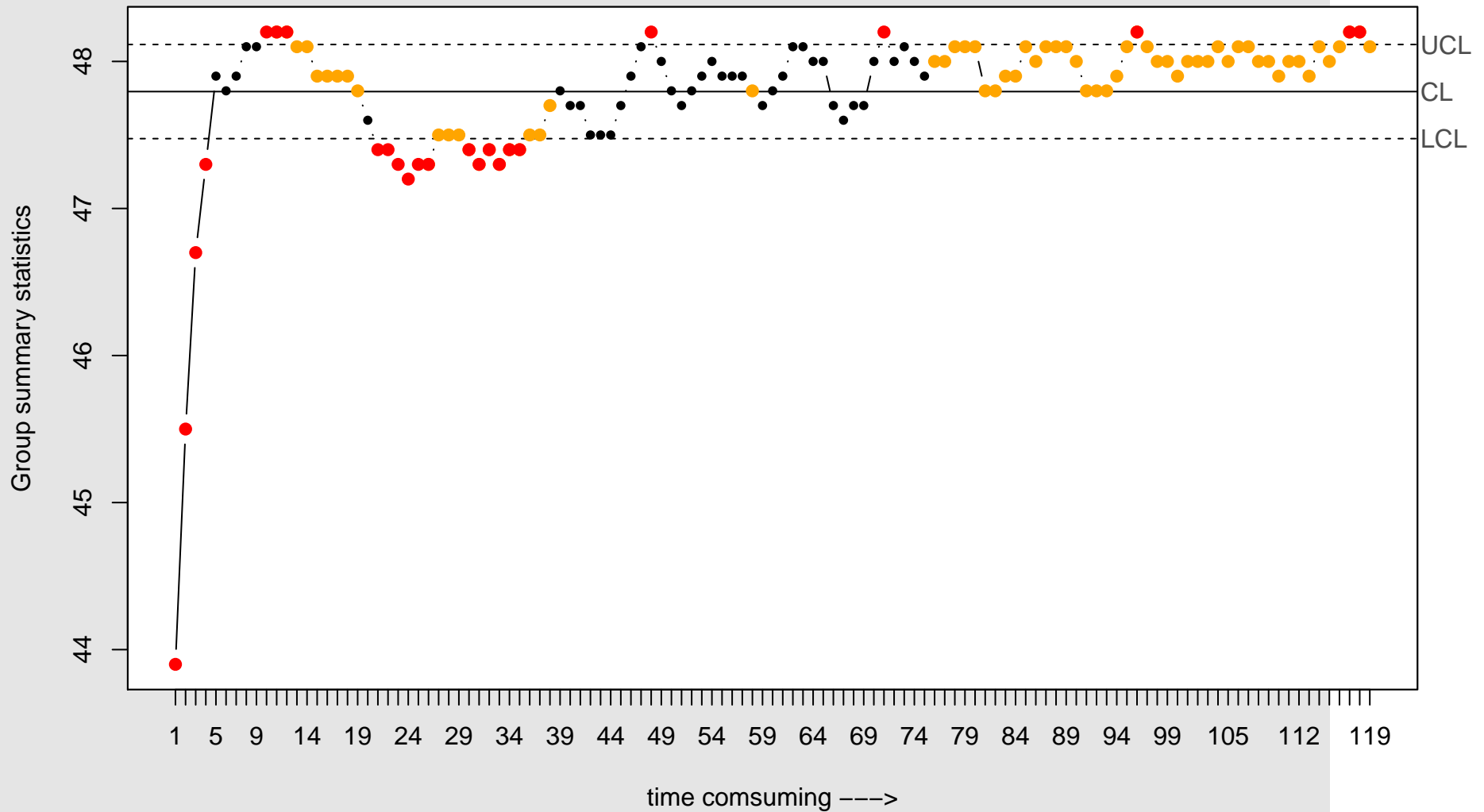
Number violating runs = 76

## 281th column point of this product





## 282th column point of this product



Number of groups = 119

Center = 47.79496

StdDev = 0.1066835

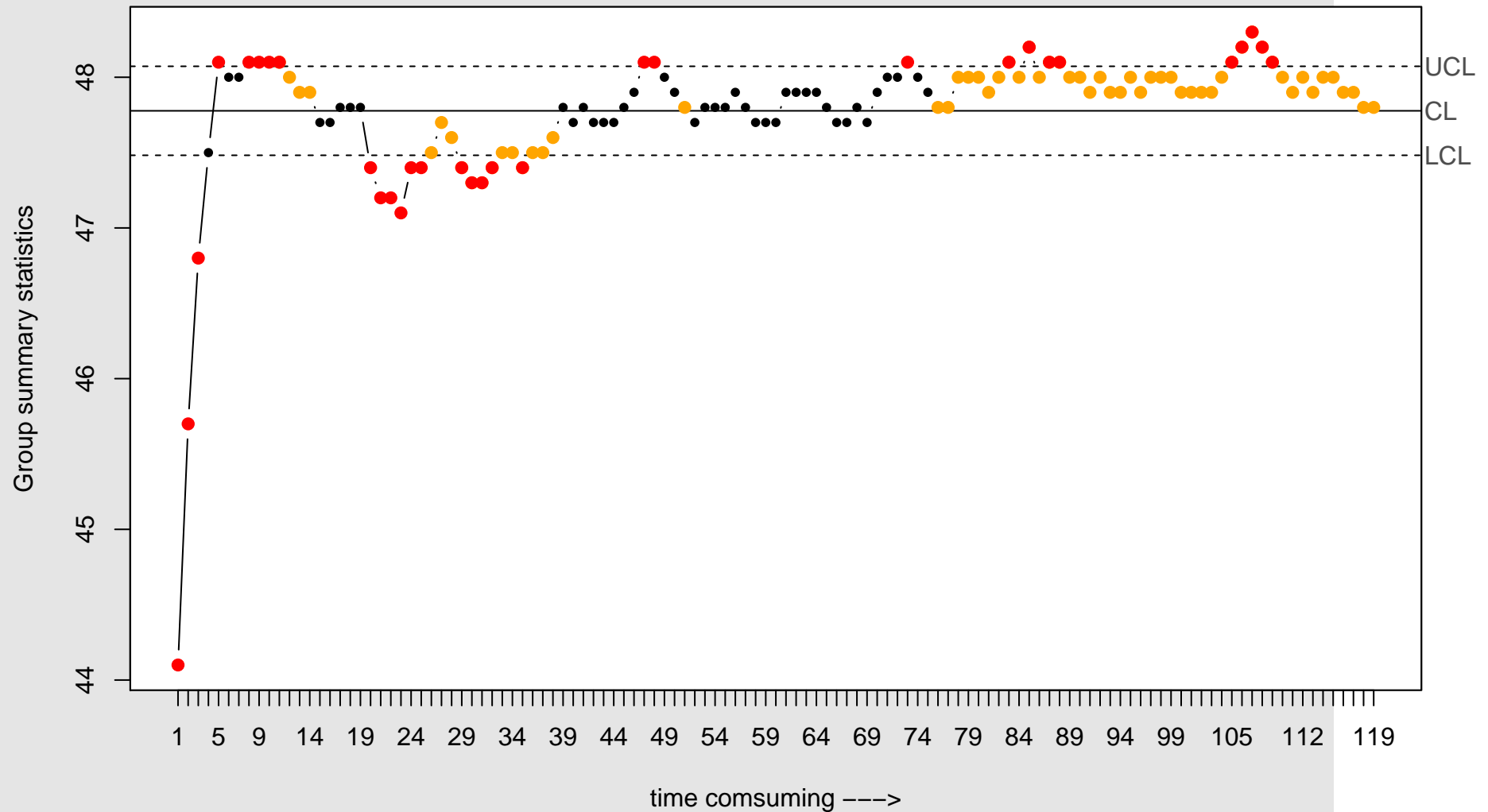
LCL = 47.47491

UCL = 48.11501

Number beyond limits = 24

Number violating runs = 67

## 283th column point of this product

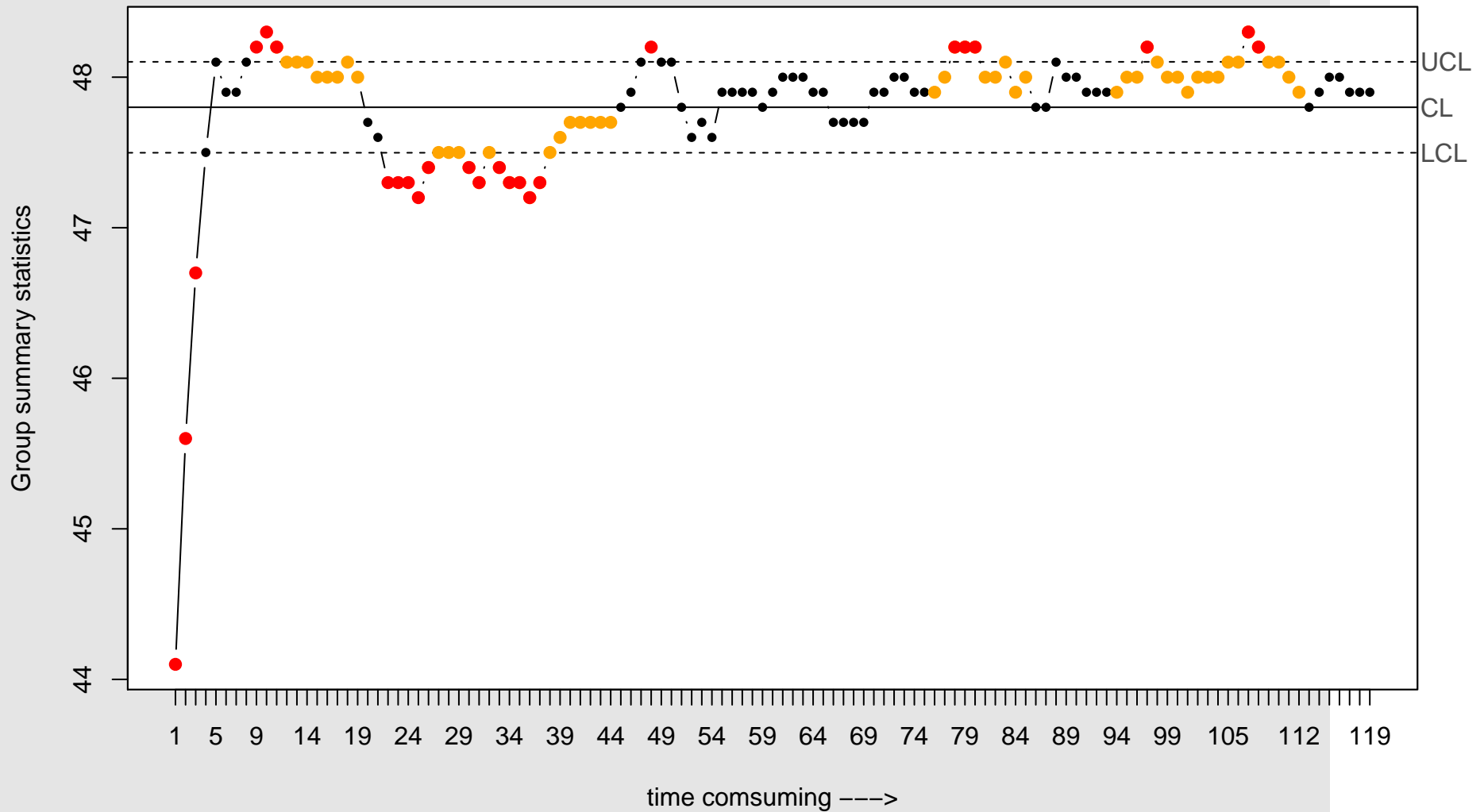


Number of groups = 119  
Center = 47.77731  
StdDev = 0.09841928

LCL = 47.48205  
UCL = 48.07257

Number beyond limits = 31  
Number violating runs = 62

## 284th column point of this product



Number of groups = 119

Center = 47.8

StdDev = 0.1006732

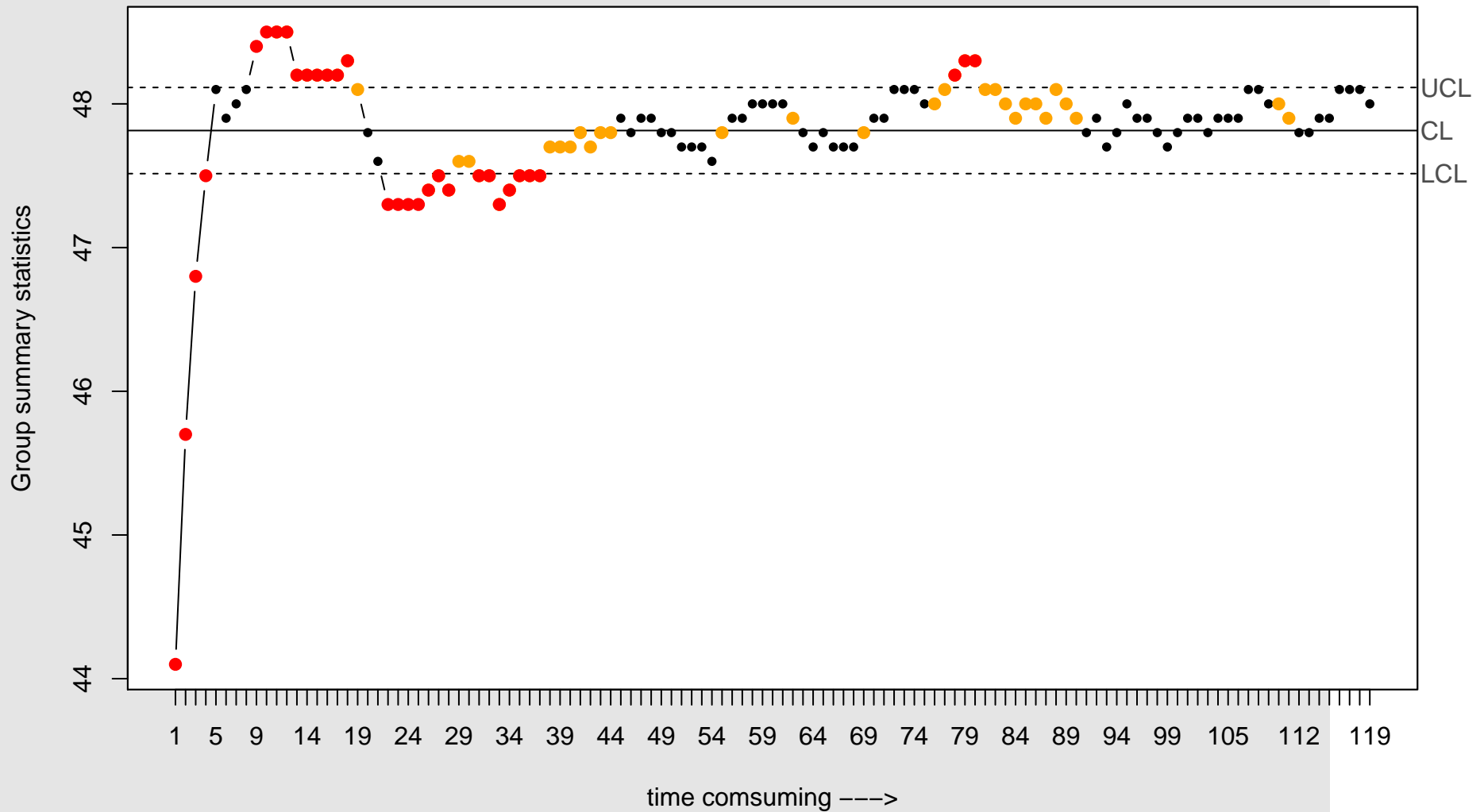
LCL = 47.49798

UCL = 48.10202

Number beyond limits = 25

Number violating runs = 57

## 285th column point of this product



Number of groups = 119

Center = 47.81429

StdDev = 0.09992187

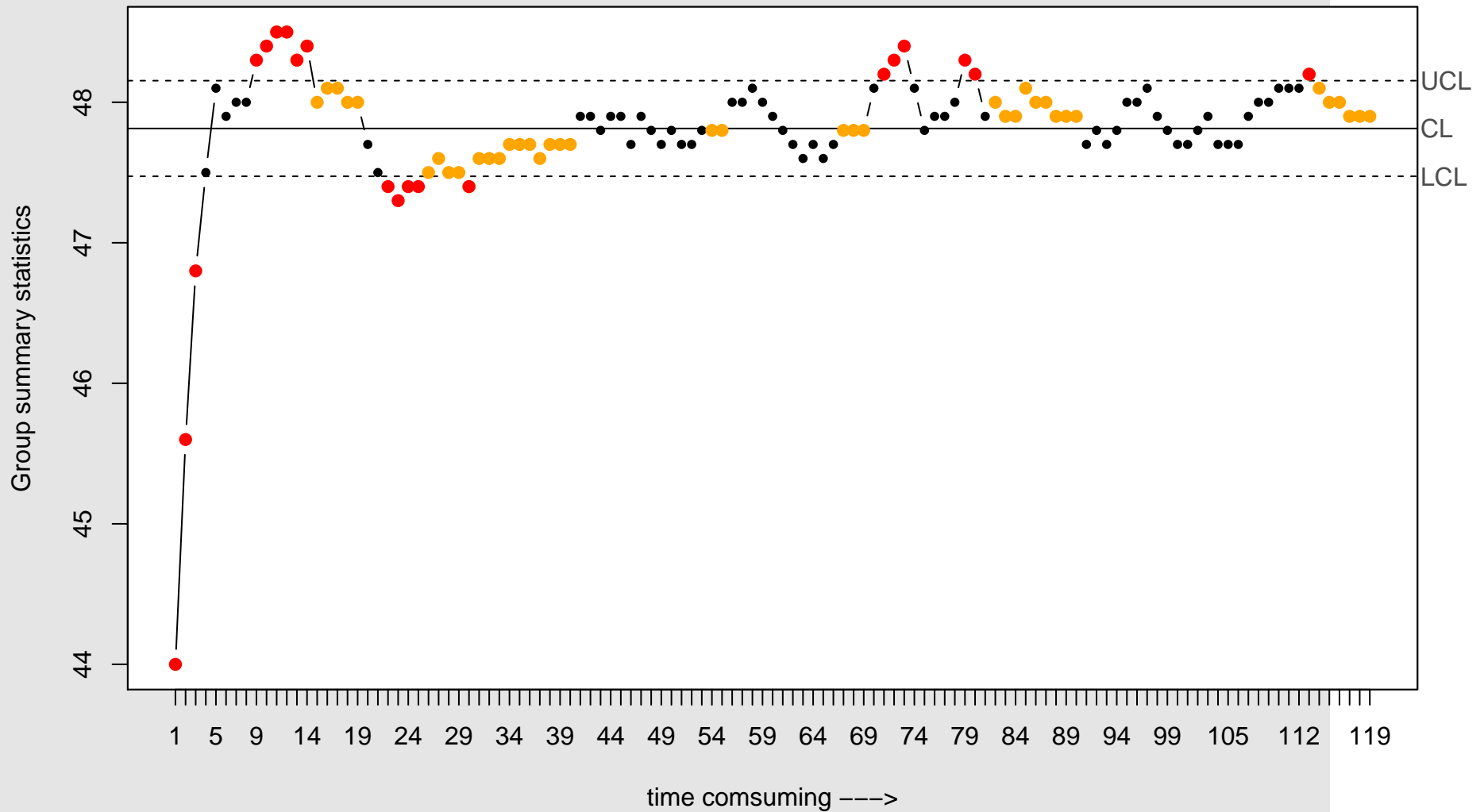
LCL = 47.51452

UCL = 48.11405

Number beyond limits = 31

Number violating runs = 48

## 286th column point of this product



Number of groups = 119

Center = 47.81345

StdDev = 0.1134451

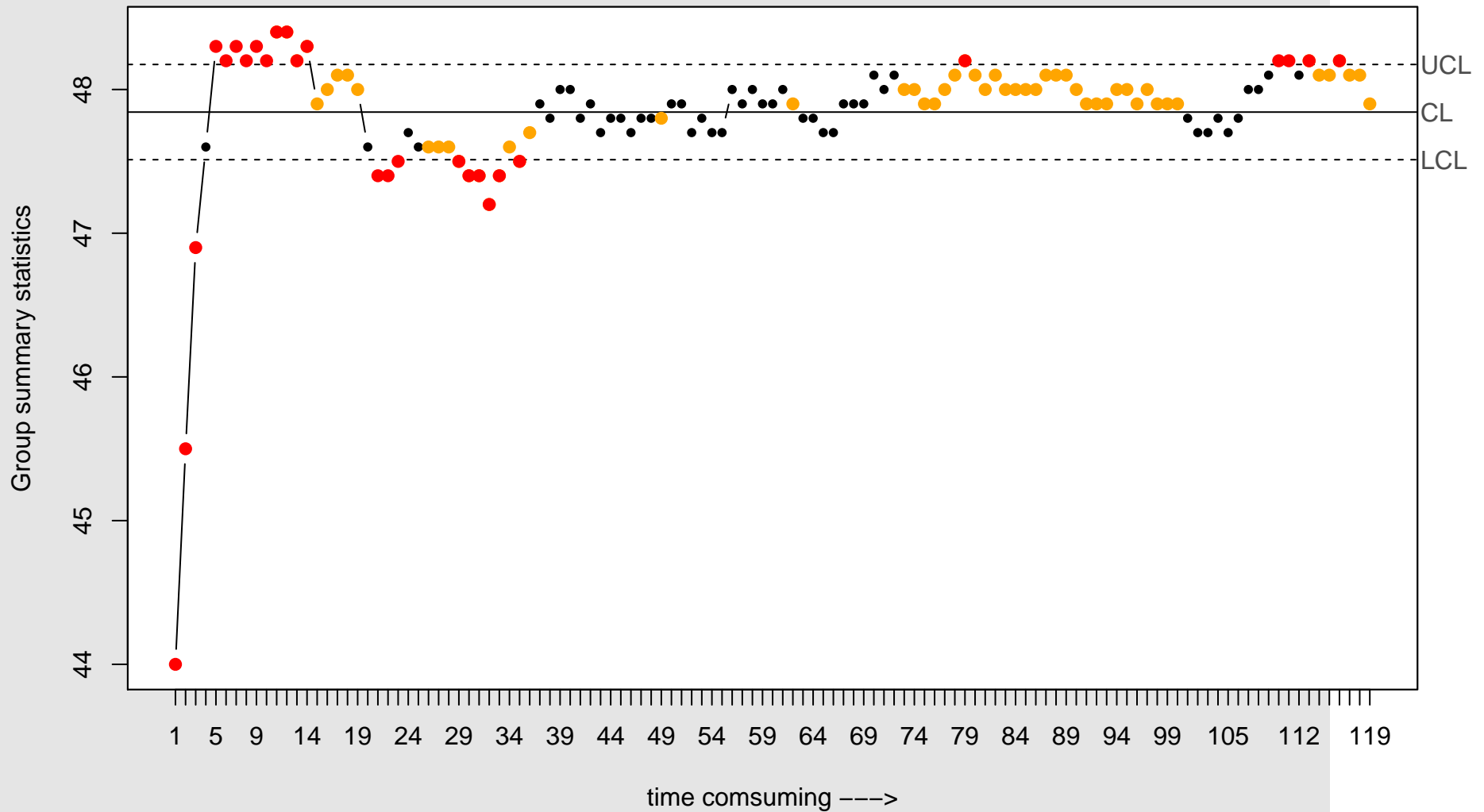
LCL = 47.47311

UCL = 48.15378

Number beyond limits = 20

Number violating runs = 45

## 287th column point of this product

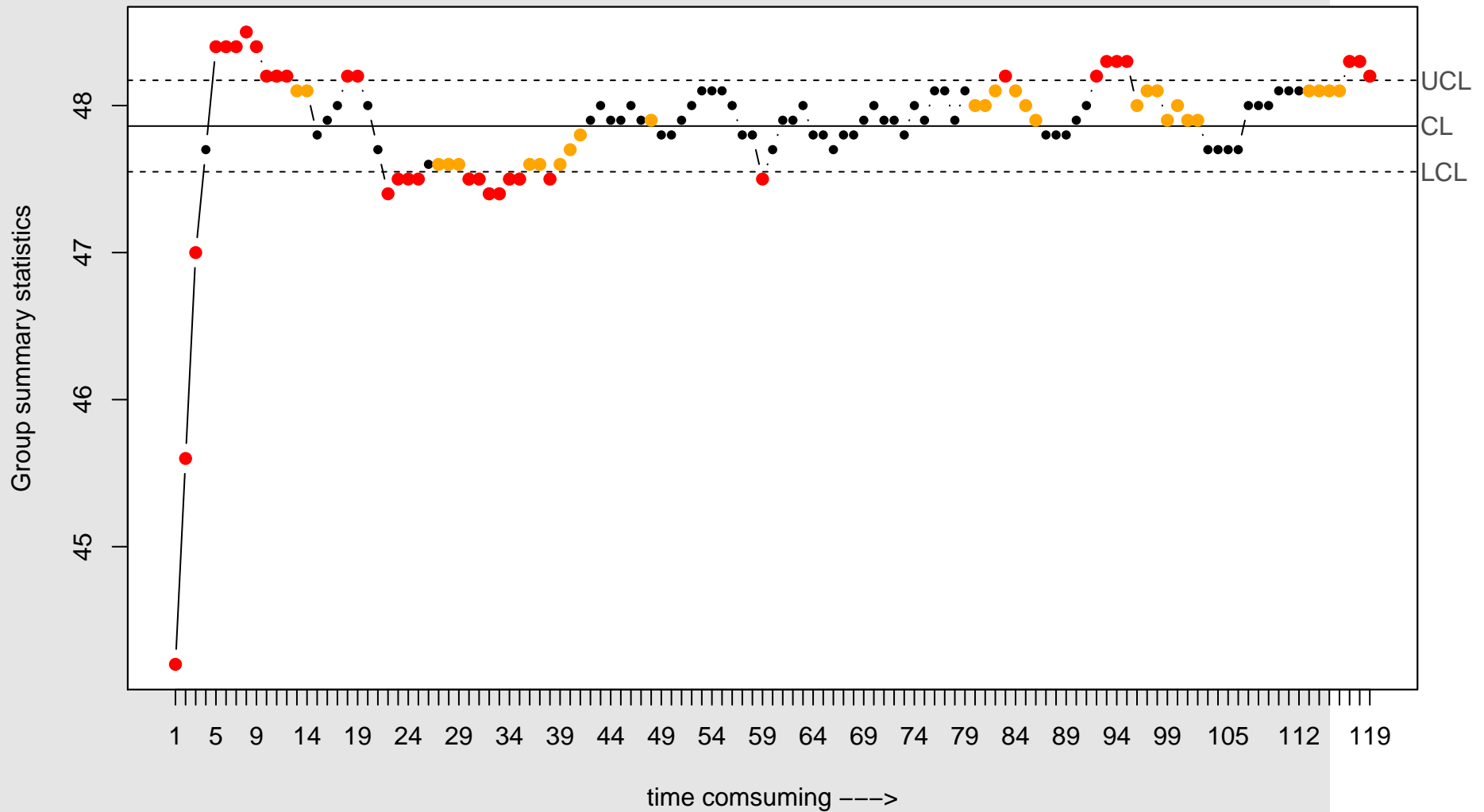


Number of groups = 119  
 Center = 47.84286  
 StdDev = 0.11044

LCL = 47.51154  
 UCL = 48.17418

Number beyond limits = 27  
 Number violating runs = 57

## 288th column point of this product



Number of groups = 119

Center = 47.8605

StdDev = 0.1036783

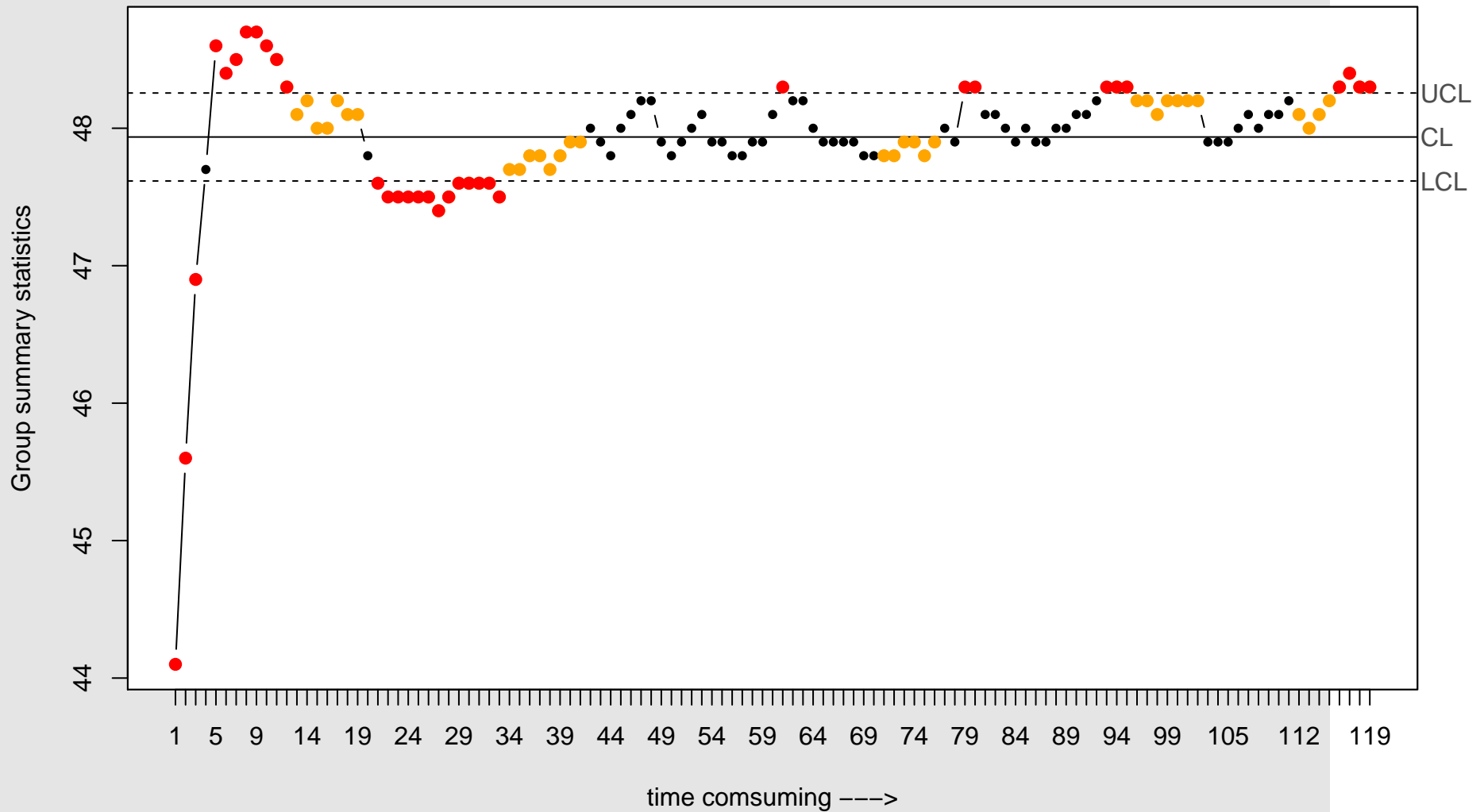
LCL = 47.54947

UCL = 48.17154

Number beyond limits = 33

Number violating runs = 41

## 289th column point of this product



Number of groups = 119

Center = 47.93613

StdDev = 0.1066835

LCL = 47.61608

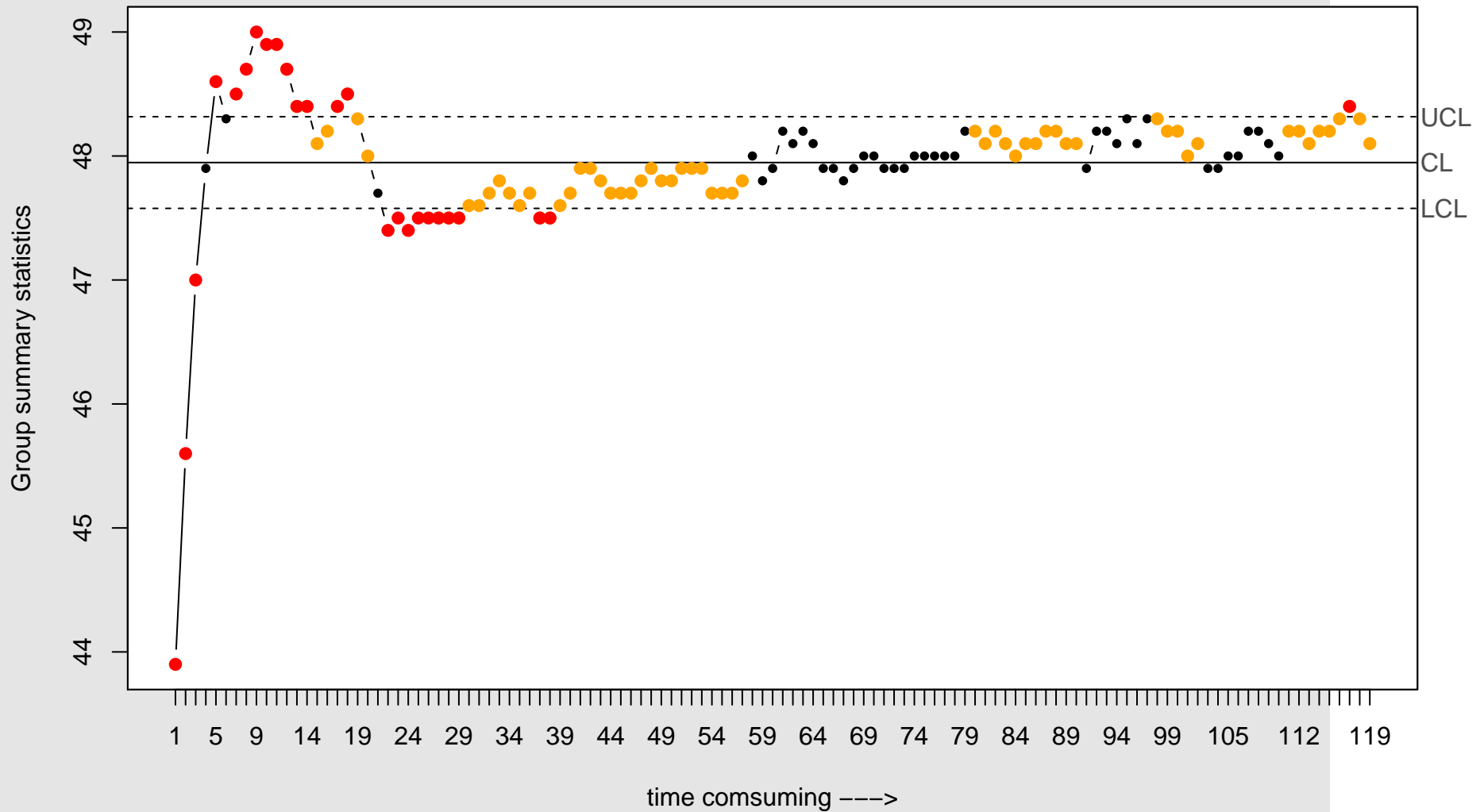
UCL = 48.25618

Number beyond limits = 34

Number violating runs = 48



## 290th column point of this product



Number of groups = 119

Center = 47.94706

StdDev = 0.1232119

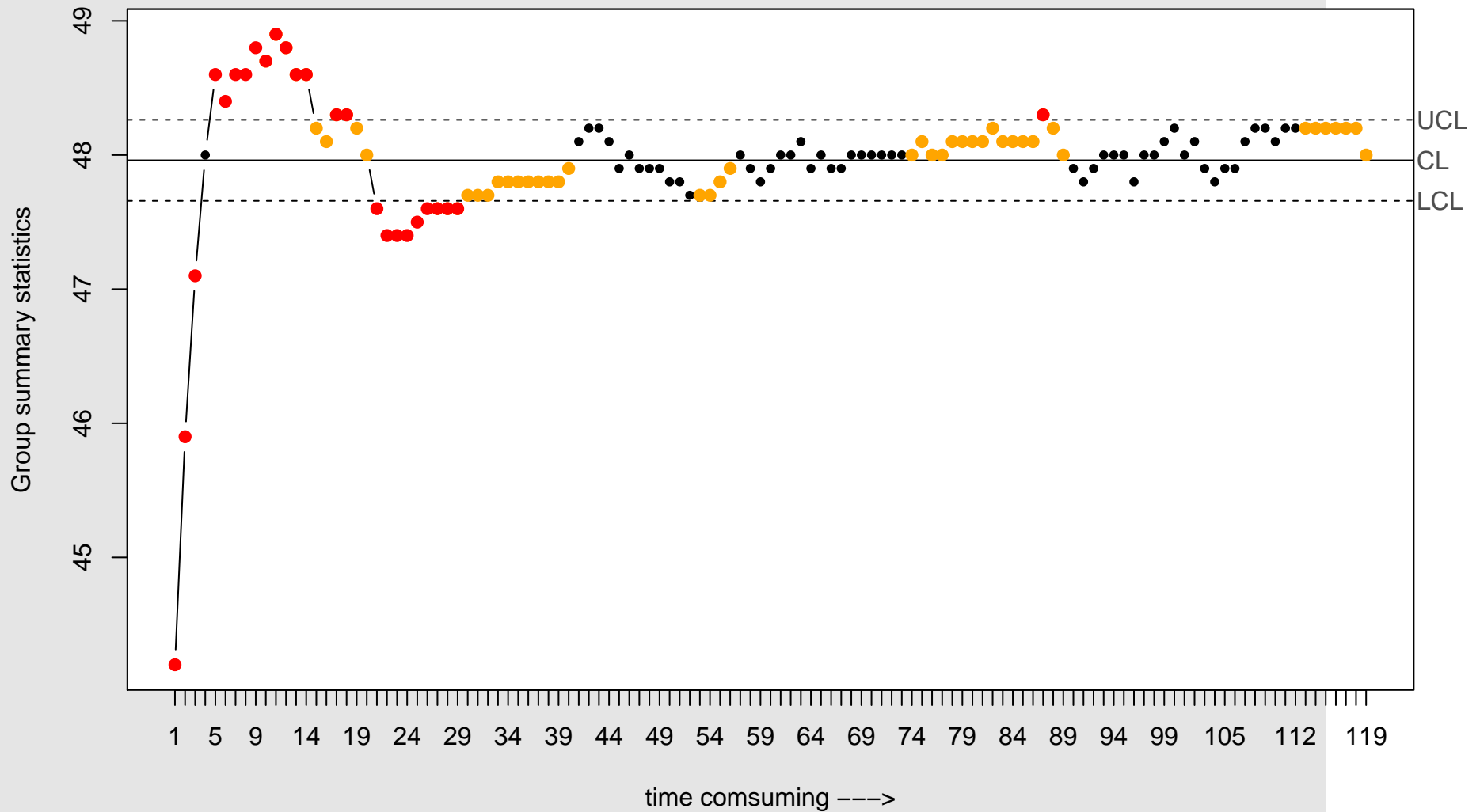
LCL = 47.57742

UCL = 48.31669

Number beyond limits = 25

Number violating runs = 66

## 291th column point of this product



Number of groups = 119

Center = 47.9605

StdDev = 0.1006732

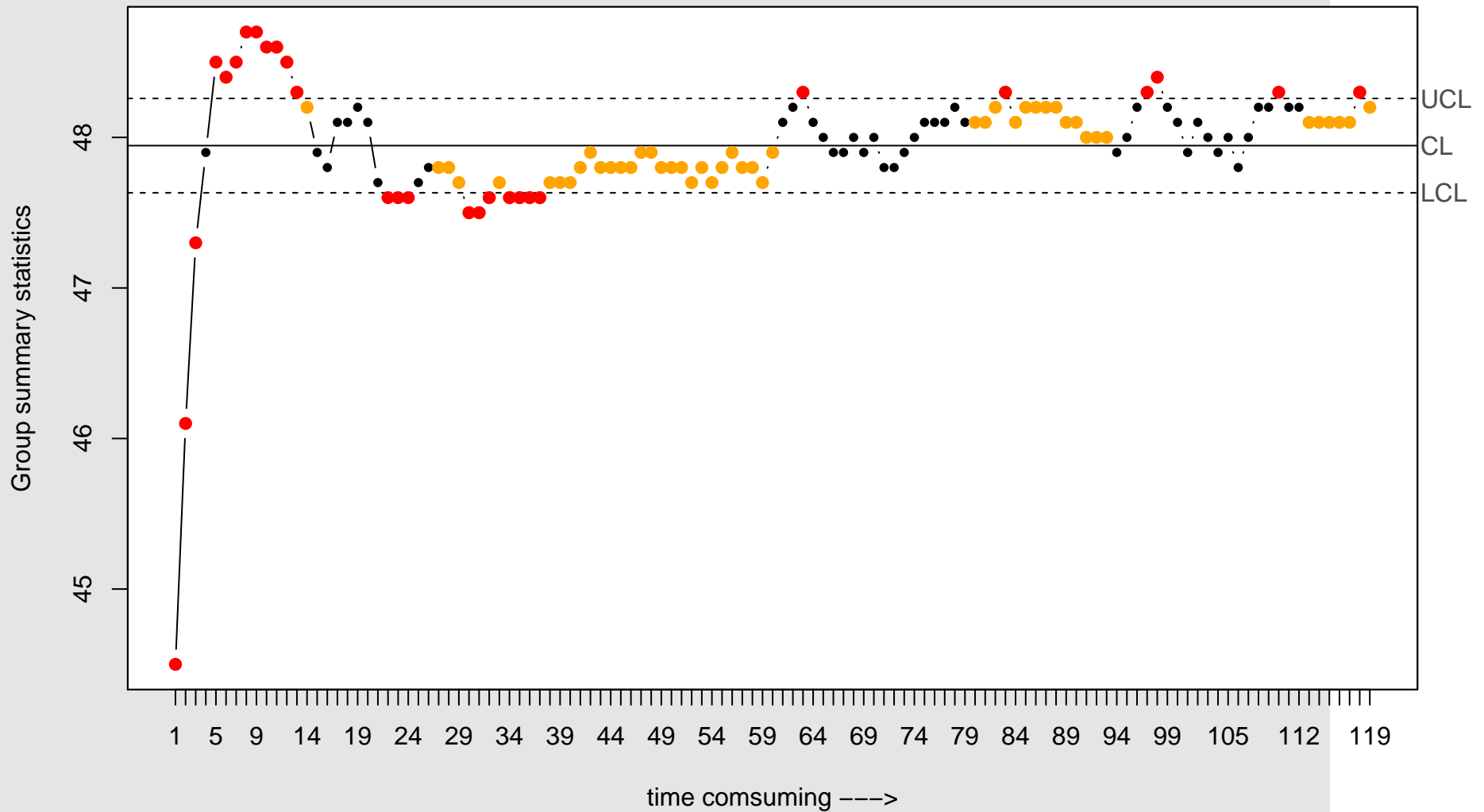
LCL = 47.65848

UCL = 48.26252

Number beyond limits = 25

Number violating runs = 52

## 292th column point of this product



Number of groups = 119

Center = 47.94538

StdDev = 0.1044296

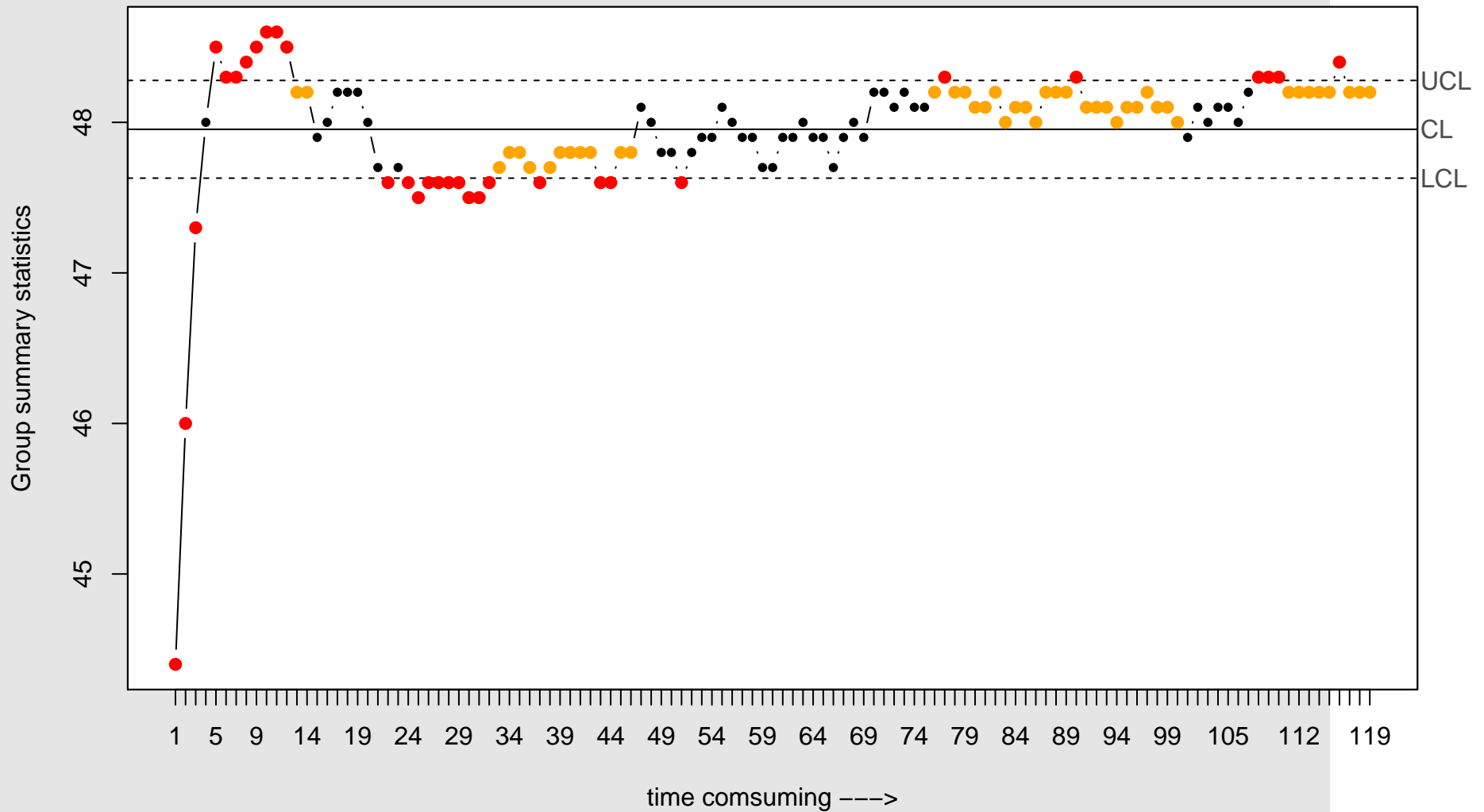
LCL = 47.63209

UCL = 48.25867

Number beyond limits = 28

Number violating runs = 59

## 293th column point of this product



Number of groups = 119

Center = 47.95378

StdDev = 0.1081861

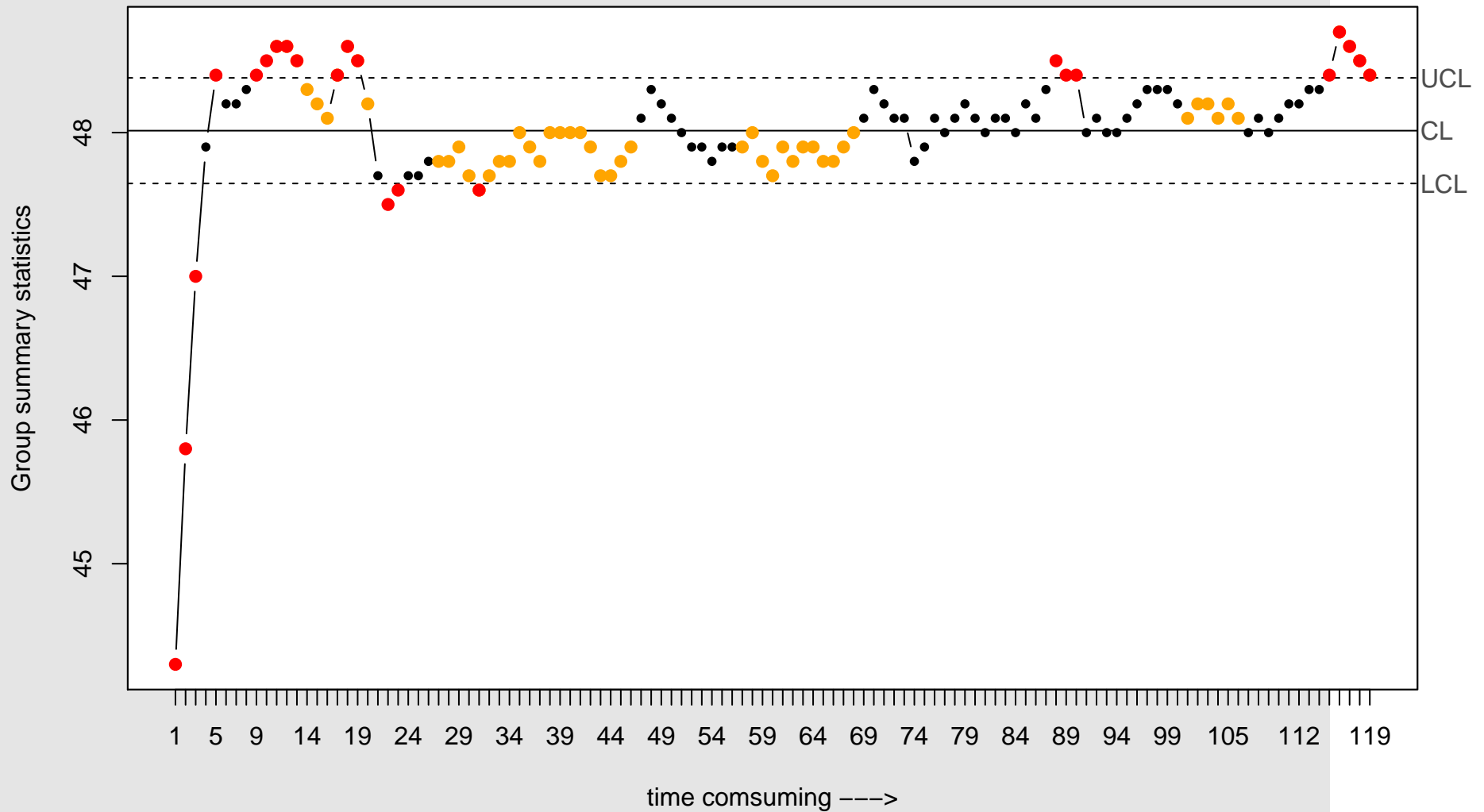
LCL = 47.62922

UCL = 48.27834

Number beyond limits = 31

Number violating runs = 62

## 294th column point of this product



Number of groups = 119

Center = 48.01345

StdDev = 0.1224606

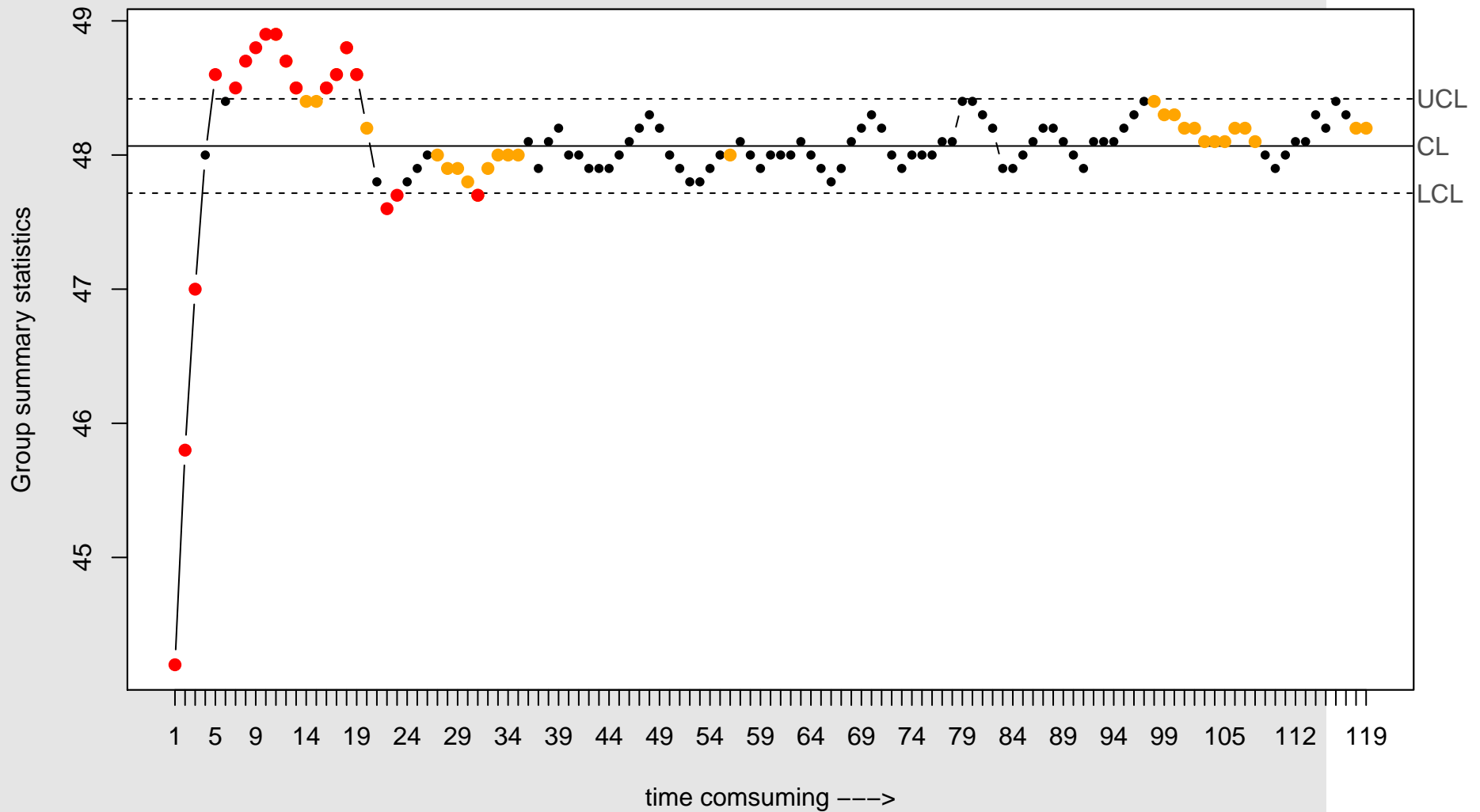
LCL = 47.64606

UCL = 48.38083

Number beyond limits = 23

Number violating runs = 52

## 295th column point of this product



Number of groups = 119

Center = 48.06723

StdDev = 0.1172016

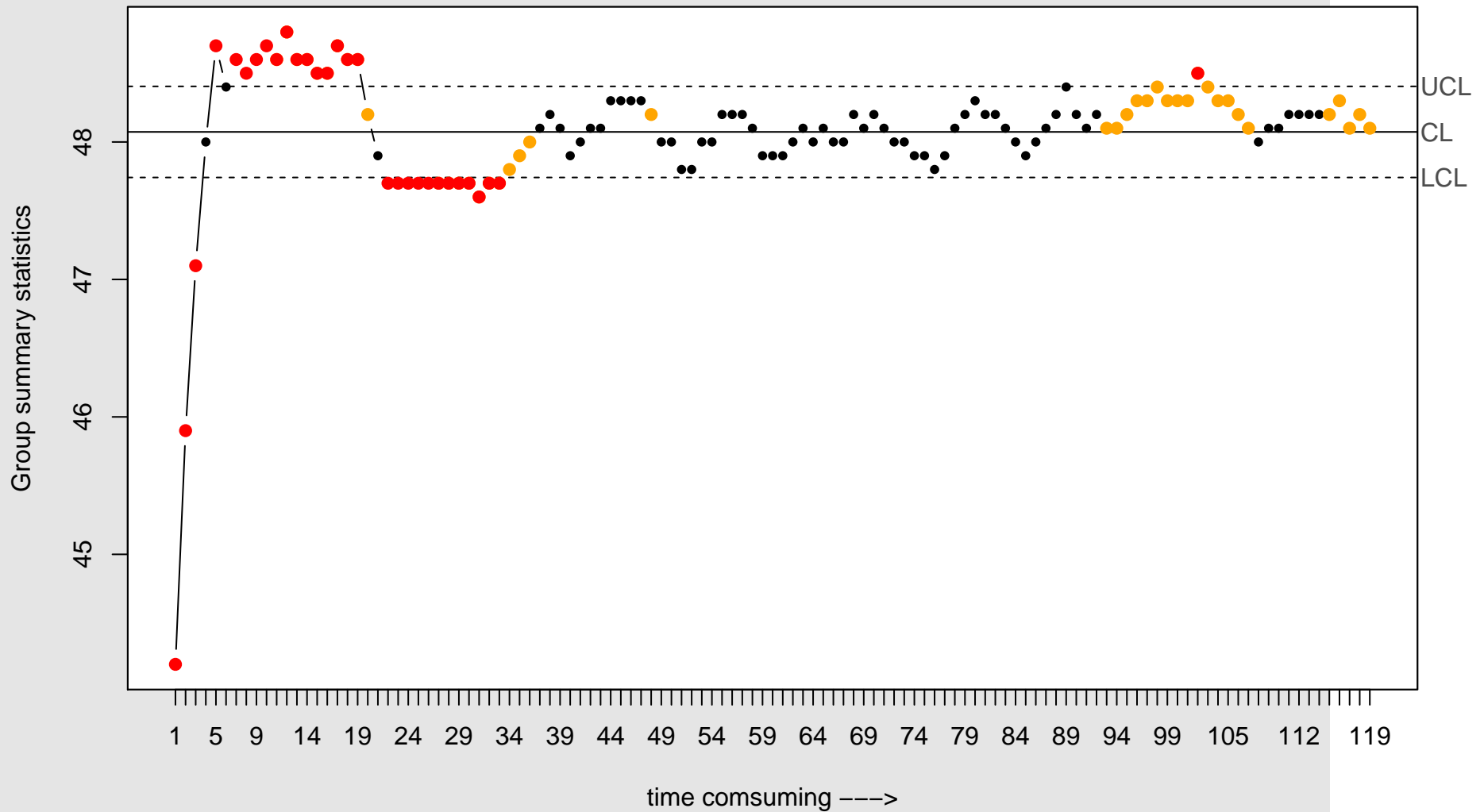
LCL = 47.71562

UCL = 48.41883

Number beyond limits = 18

Number violating runs = 33

## 296th column point of this product



Number of groups = 119

Center = 48.07311

StdDev = 0.11044

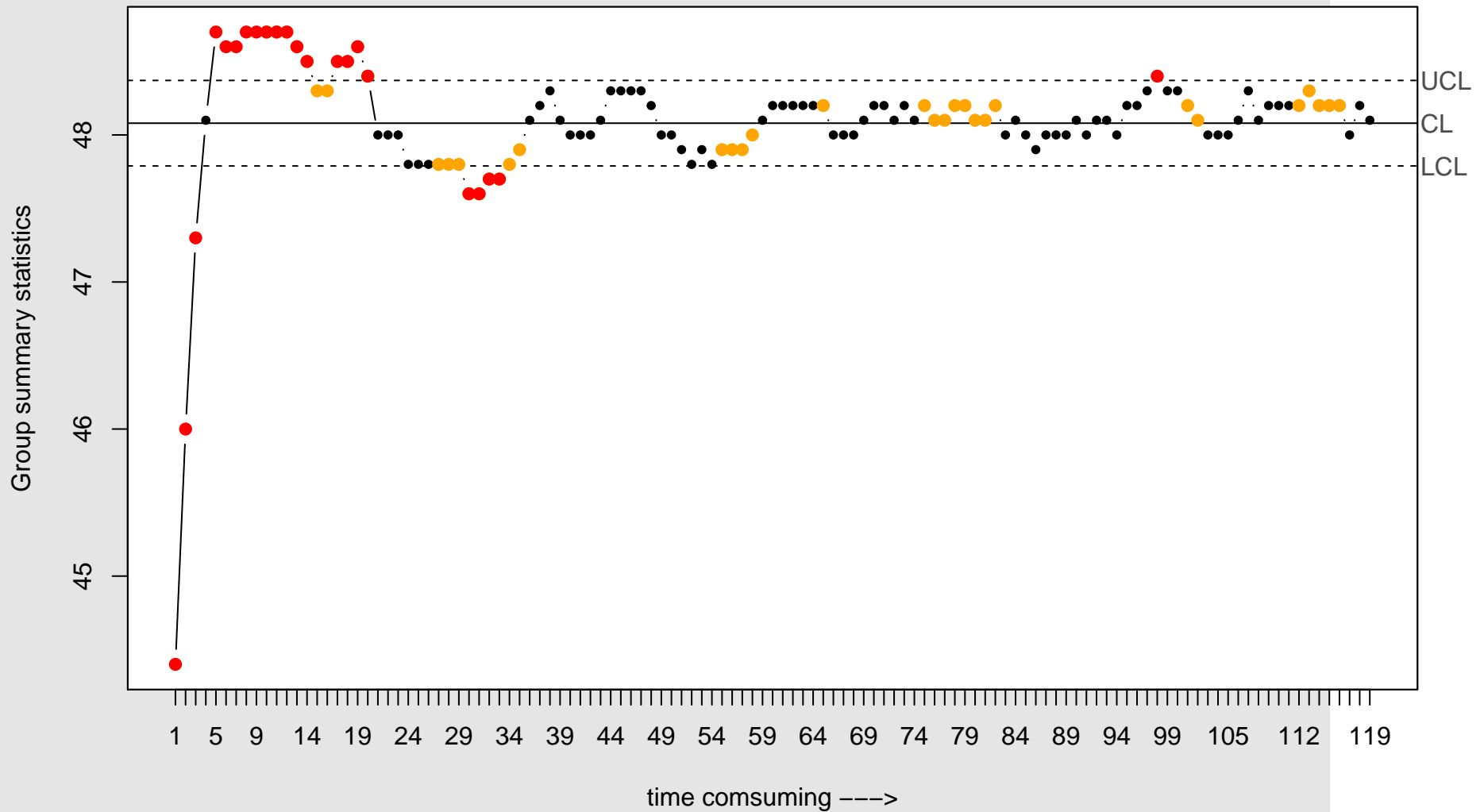
LCL = 47.74179

UCL = 48.40443

Number beyond limits = 30

Number violating runs = 41

## 297th column point of this product



Number of groups = 119

Center = 48.07983

StdDev = 0.0969167

LCL = 47.78908

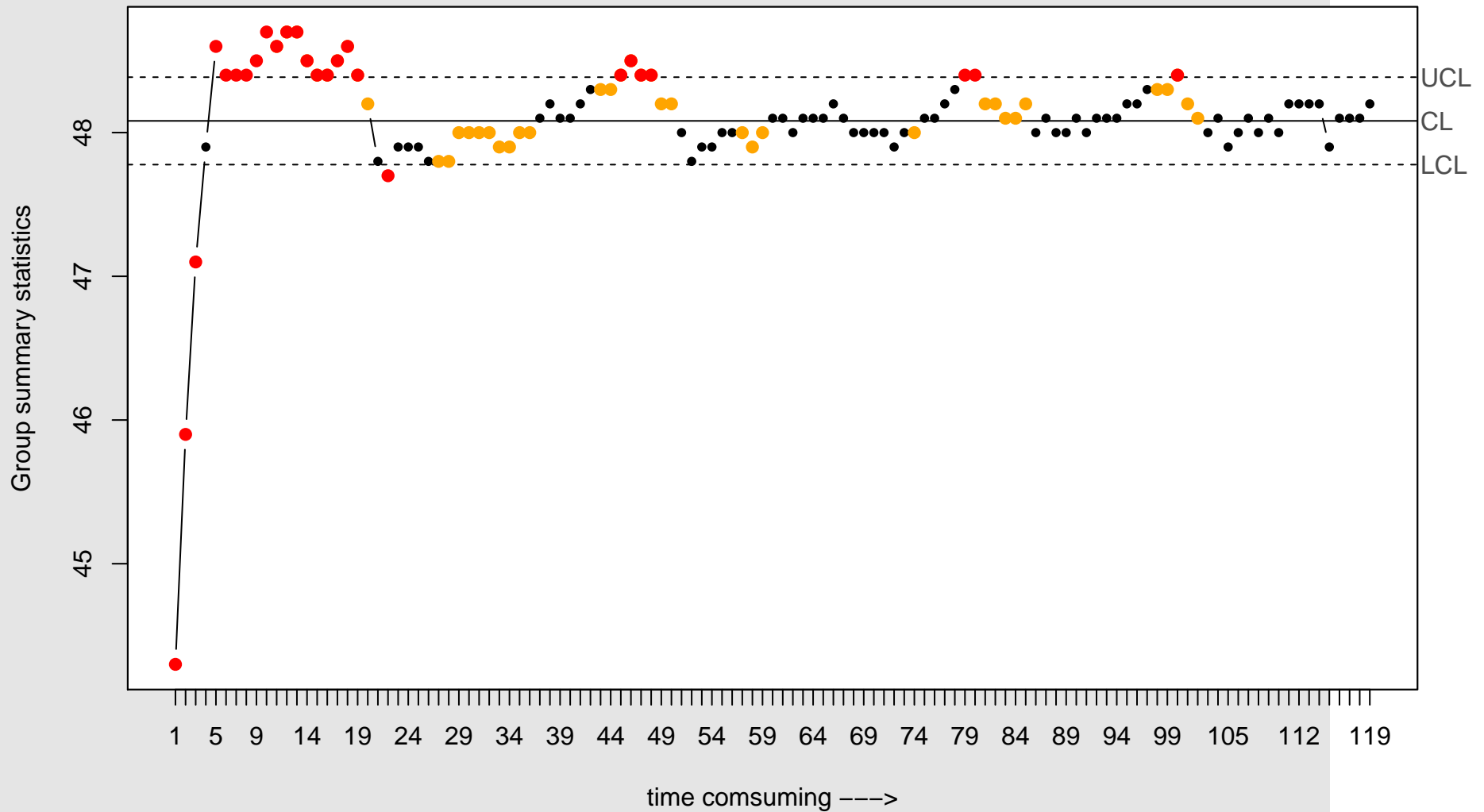
UCL = 48.37058

Number beyond limits = 22

Number violating runs = 40



## 298th column point of this product

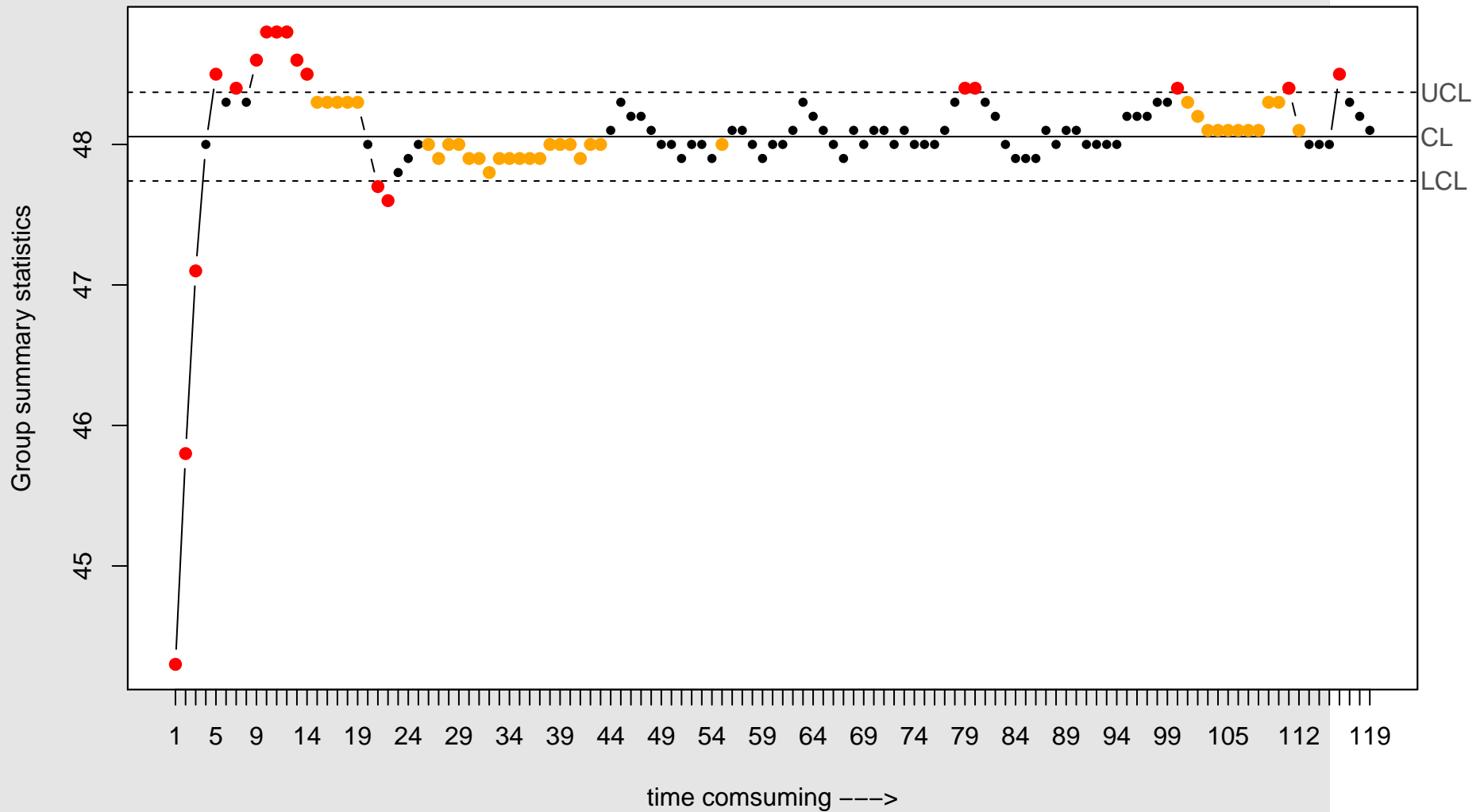


Number of groups = 119  
 Center = 48.08151  
 StdDev = 0.1014245

LCL = 47.77724  
 UCL = 48.38579

Number beyond limits = 26  
 Number violating runs = 42

## 299th column point of this product



Number of groups = 119

Center = 48.05546

StdDev = 0.1051809

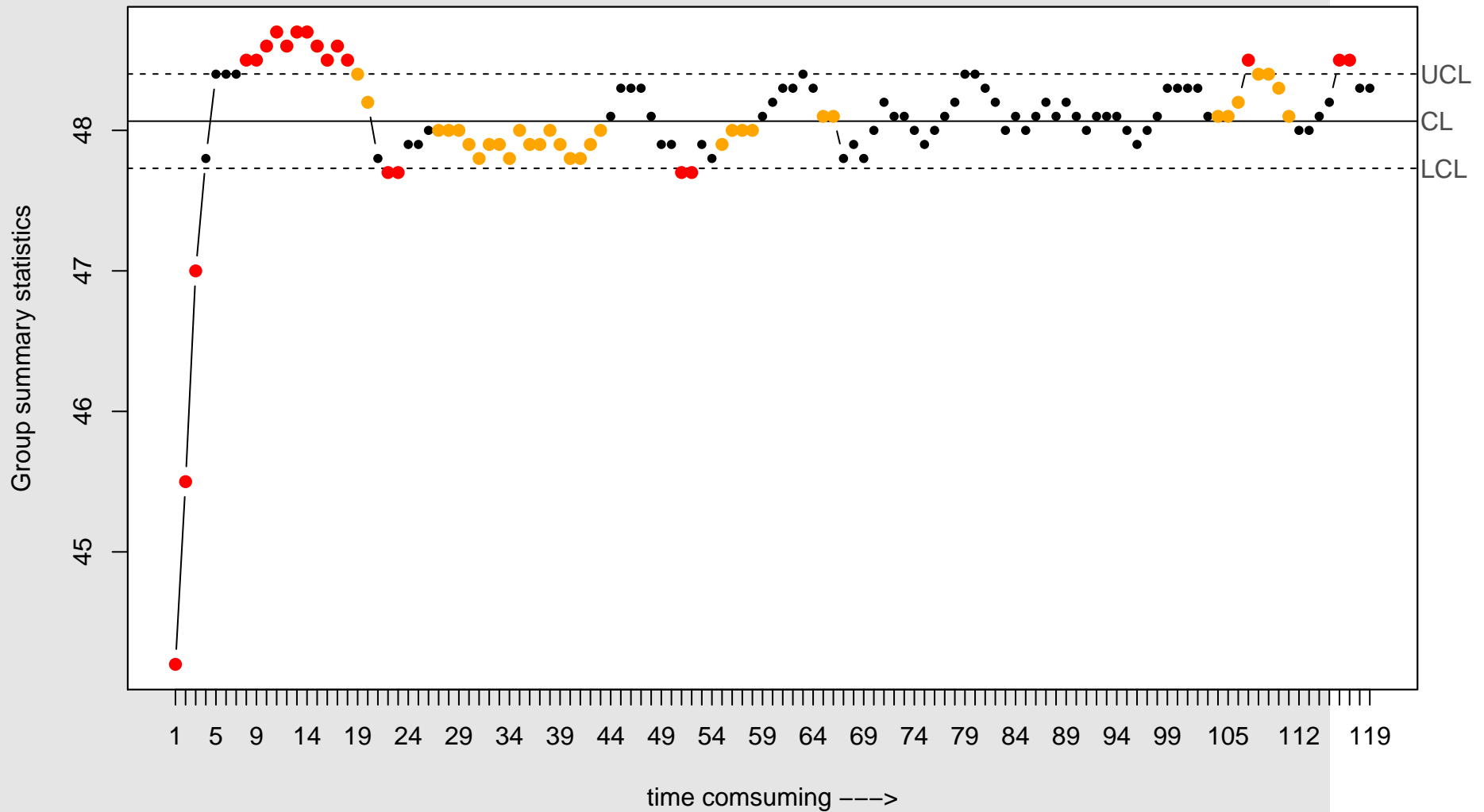
LCL = 47.73992

UCL = 48.371

Number beyond limits = 18

Number violating runs = 40

### 300th column point of this product



Number of groups = 119

Center = 48.06555

StdDev = 0.1119425

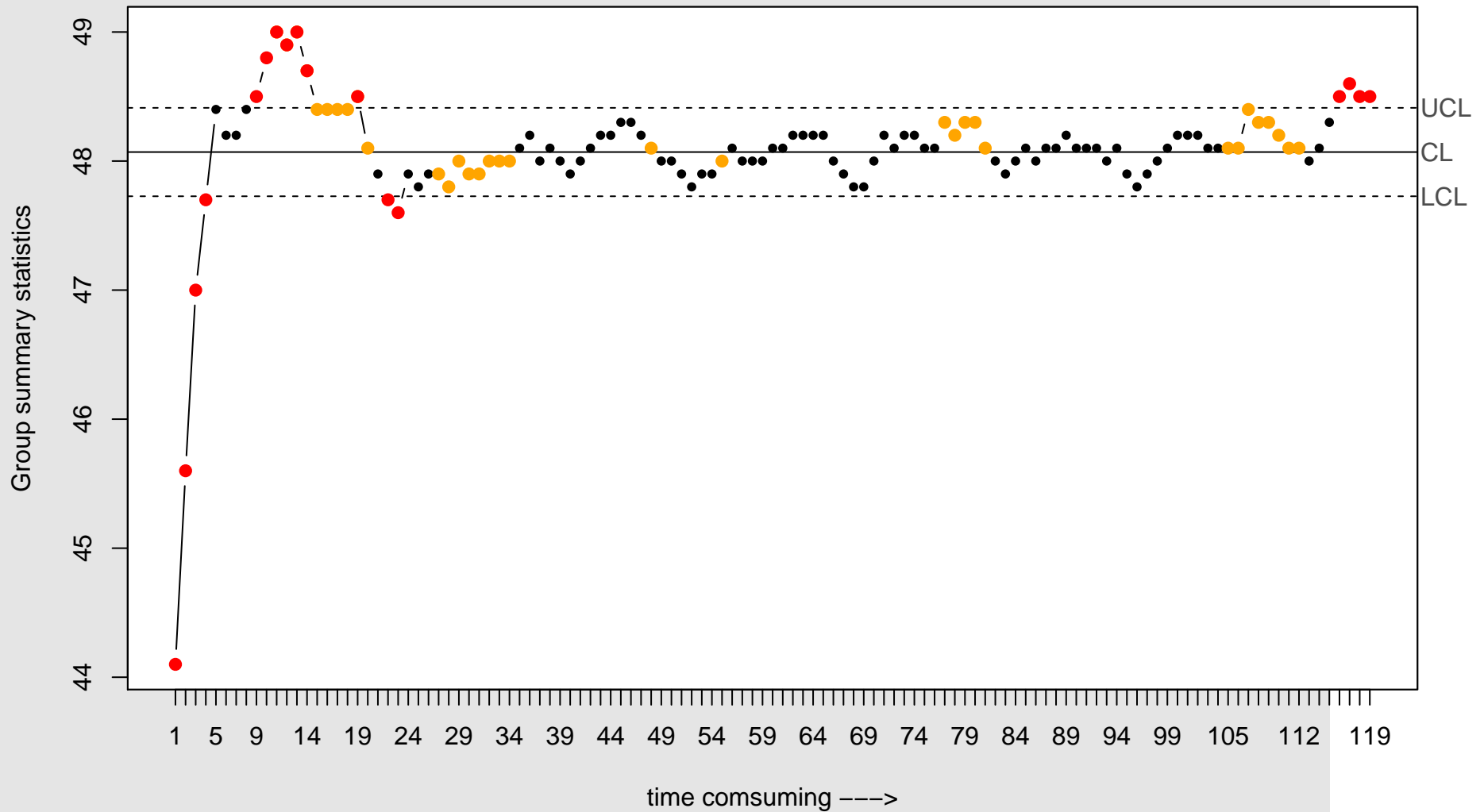
LCL = 47.72972

UCL = 48.40137

Number beyond limits = 21

Number violating runs = 41

### 301th column point of this product



Number of groups = 119

Center = 48.06975

StdDev = 0.1141964

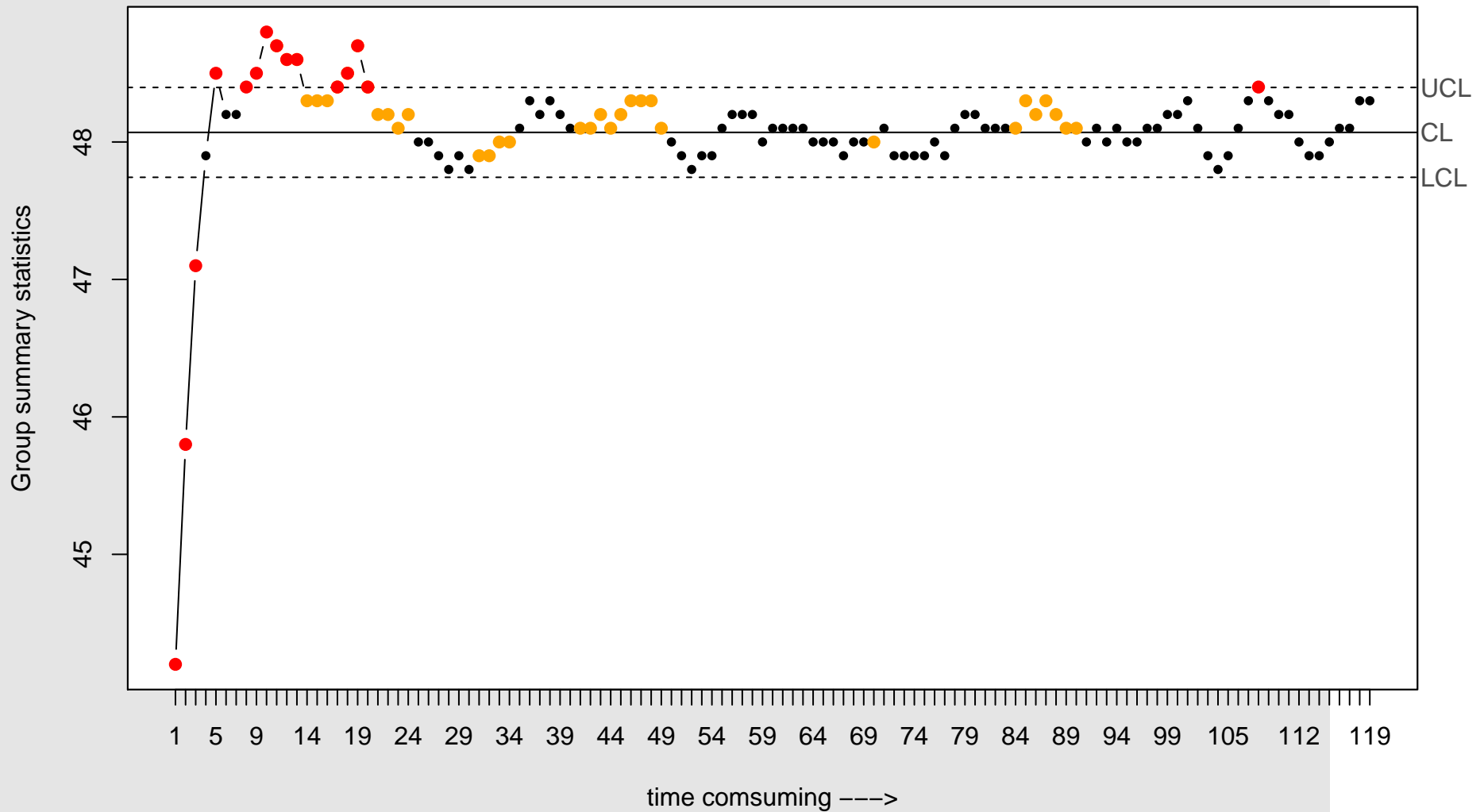
LCL = 47.72716

UCL = 48.41234

Number beyond limits = 17

Number violating runs = 33

### 302th column point of this product



Number of groups = 119

Center = 48.06975

StdDev = 0.1089374

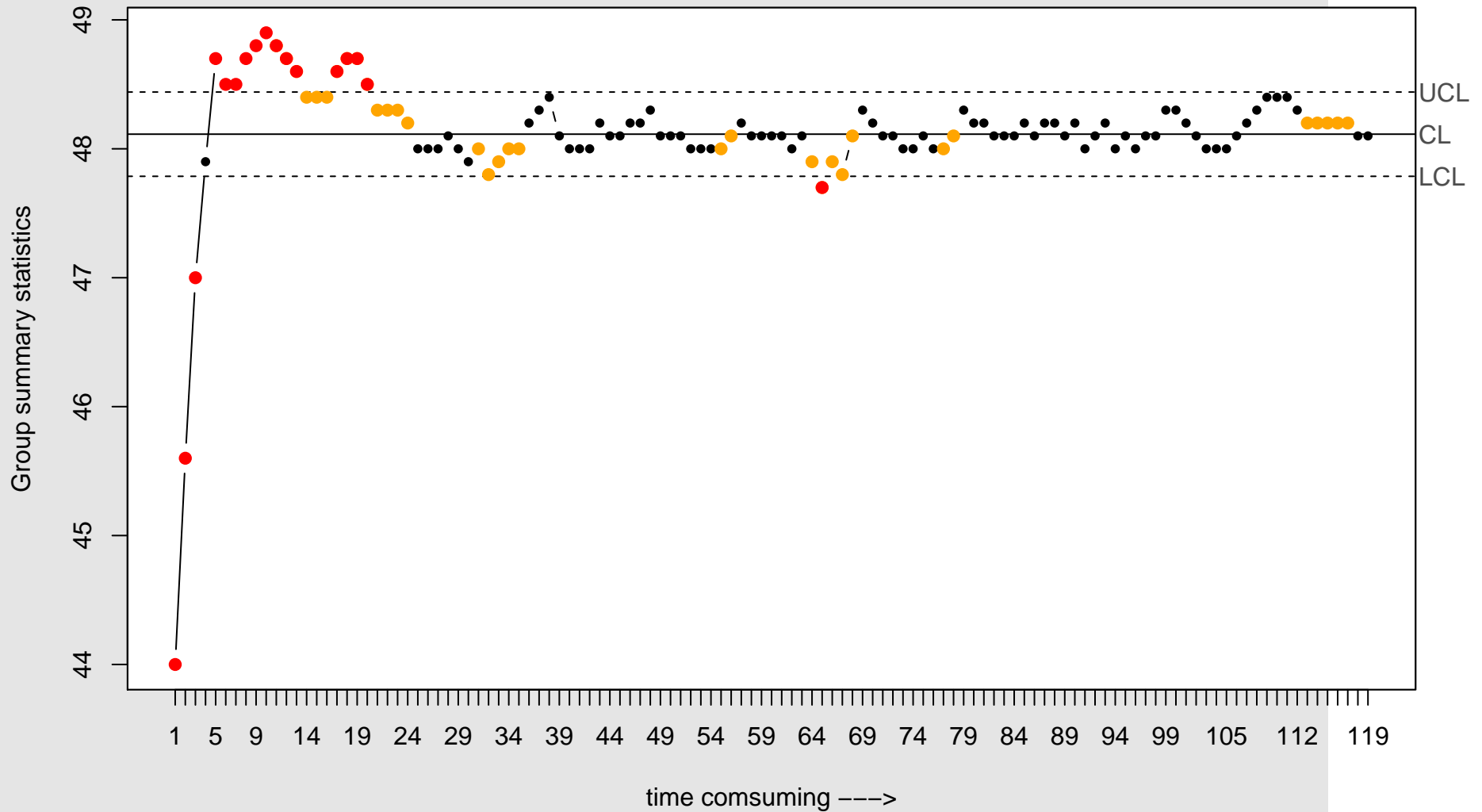
LCL = 47.74294

UCL = 48.39656

Number beyond limits = 15

Number violating runs = 35

### 303th column point of this product



Number of groups = 119

Center = 48.11345

StdDev = 0.1089374

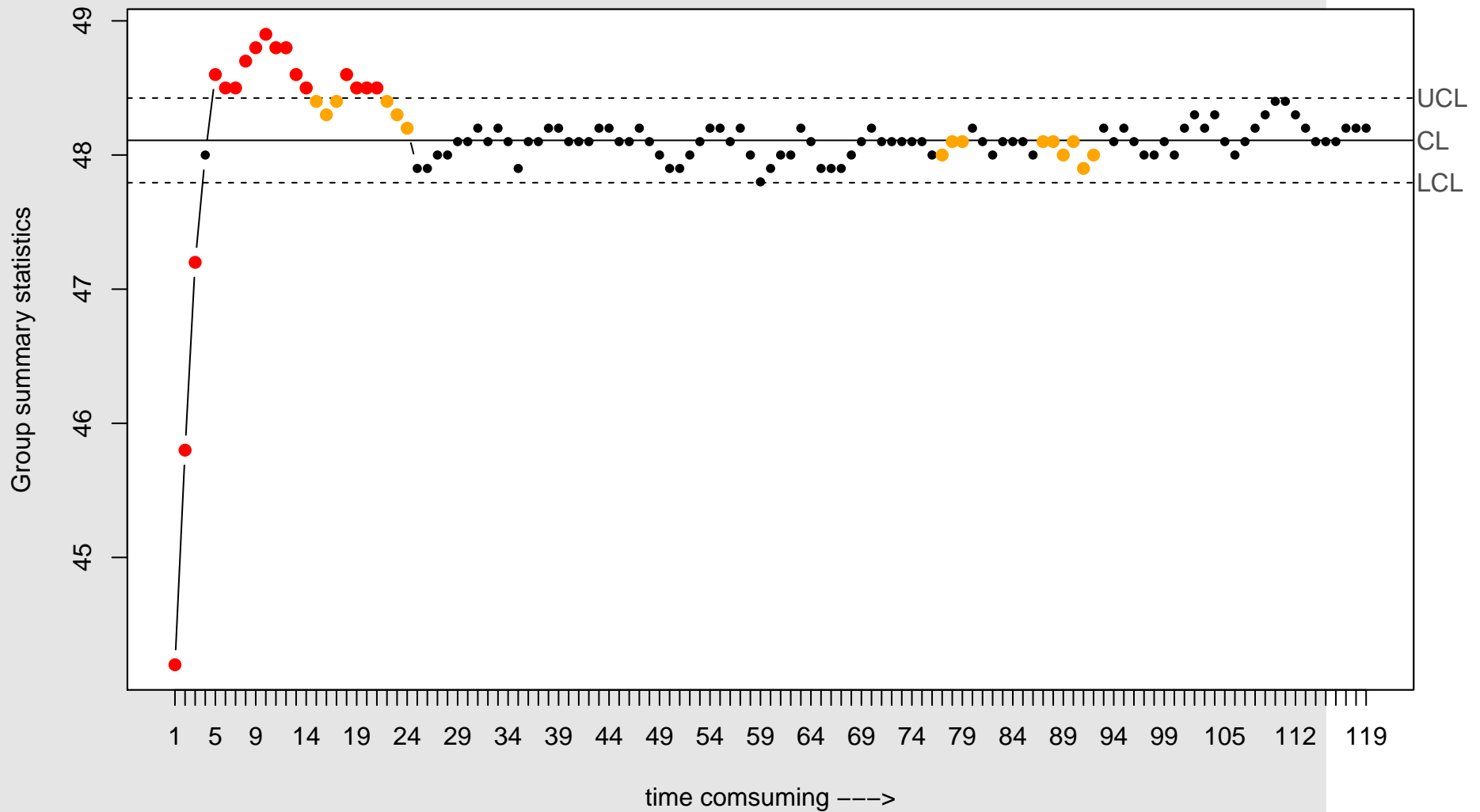
LCL = 47.78663

UCL = 48.44026

Number beyond limits = 17

Number violating runs = 33

### 304th column point of this product

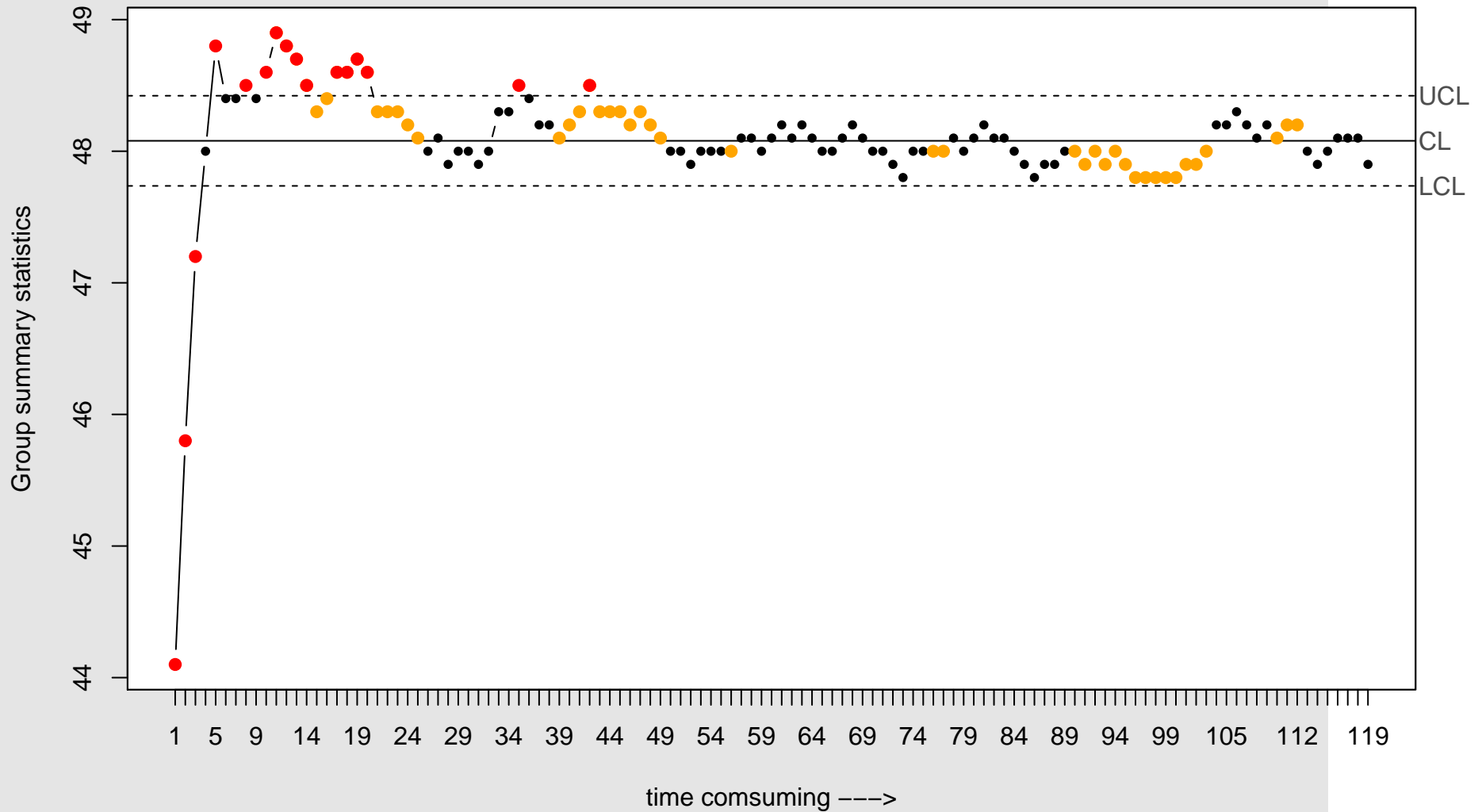


Number of groups = 119  
Center = 48.10924  
StdDev = 0.1051809

LCL = 47.7937  
UCL = 48.42479

Number beyond limits = 17  
Number violating runs = 23

### 305th column point of this product



Number of groups = 119

Center = 48.07899

StdDev = 0.1141964

LCL = 47.7364

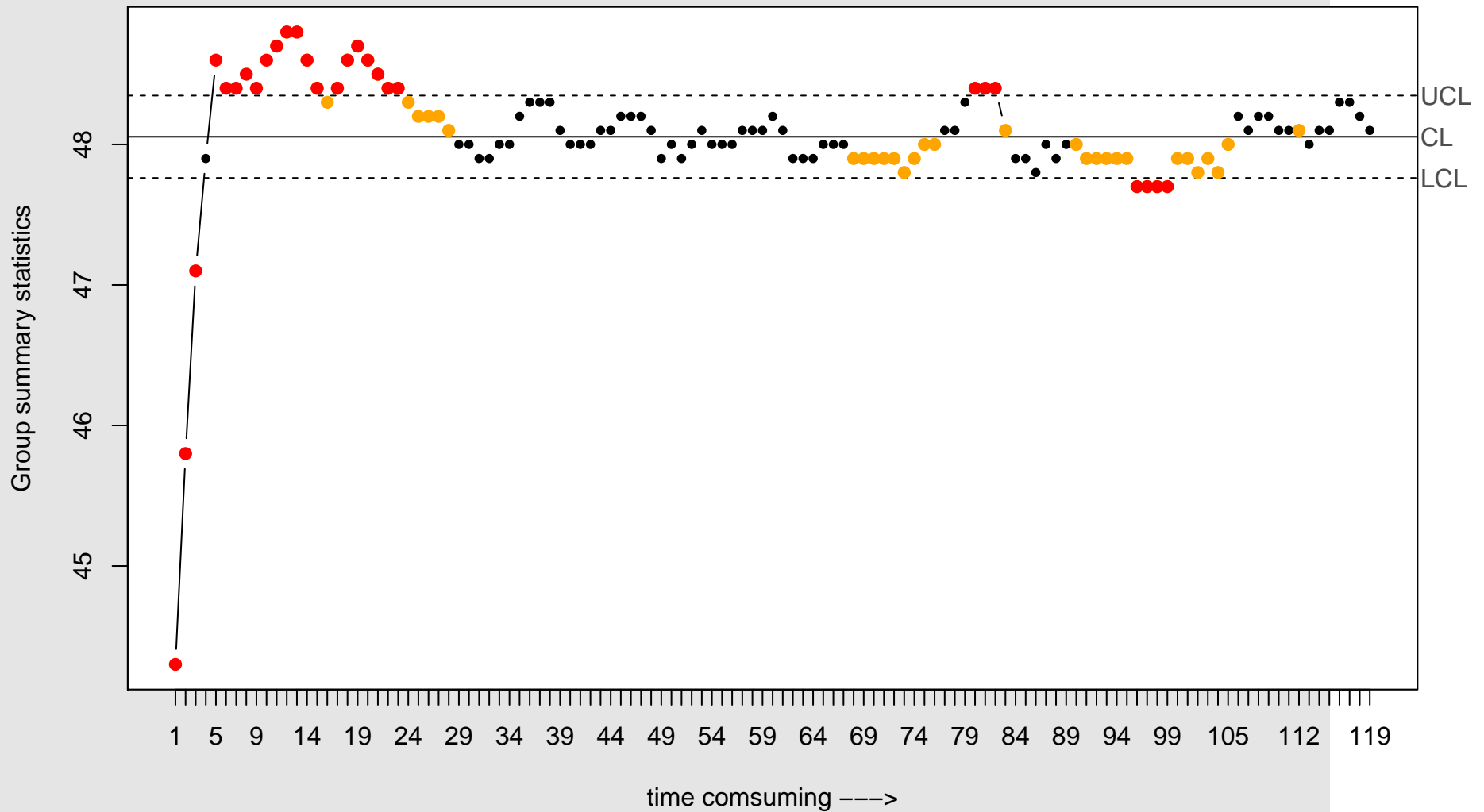
UCL = 48.42158

Number beyond limits = 16

Number violating runs = 46



### 306th column point of this product



Number of groups = 119

Center = 48.05462

StdDev = 0.09766799

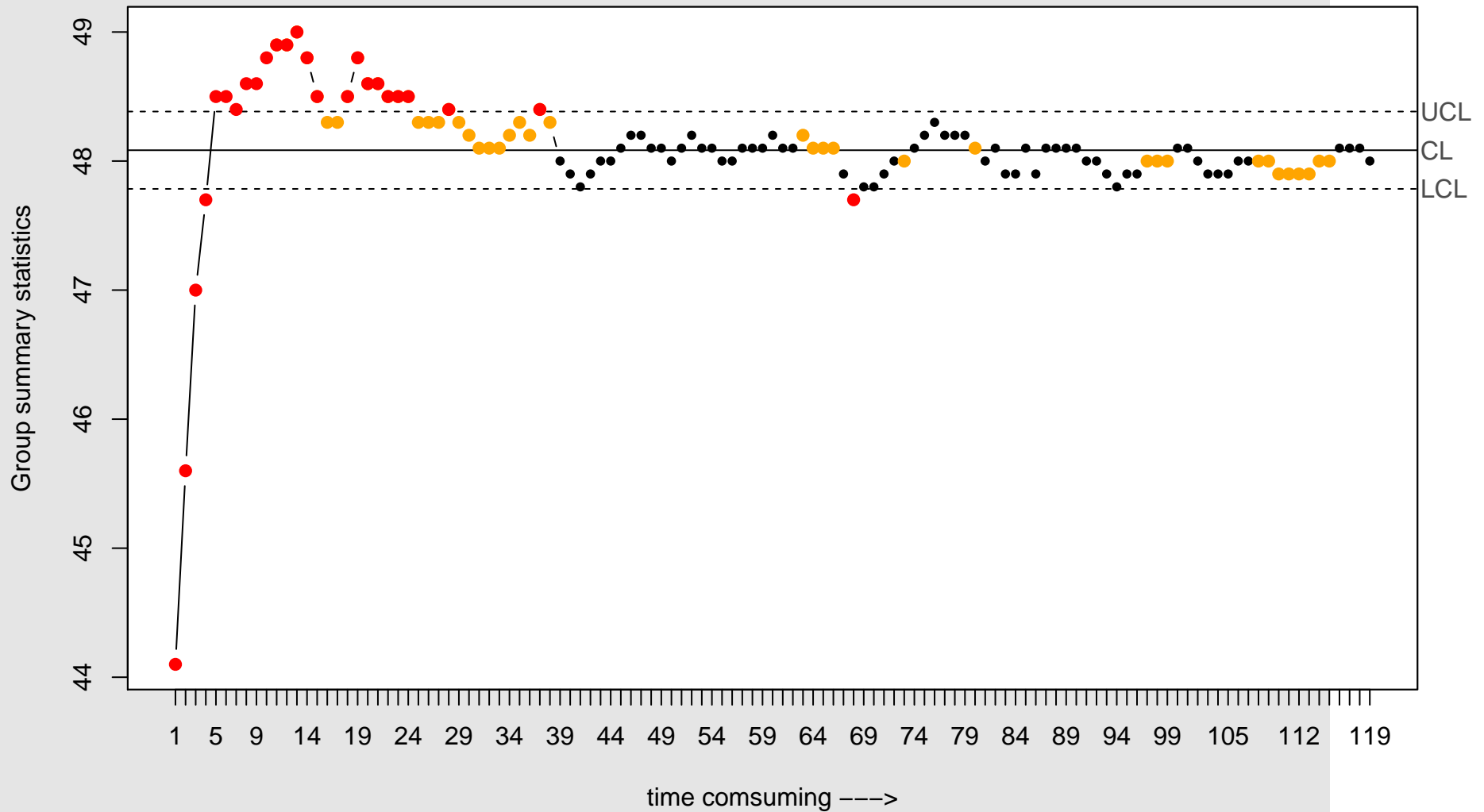
LCL = 47.76162

UCL = 48.34763

Number beyond limits = 28

Number violating runs = 45

### 307th column point of this product



Number of groups = 119

Center = 48.08403

StdDev = 0.09992187

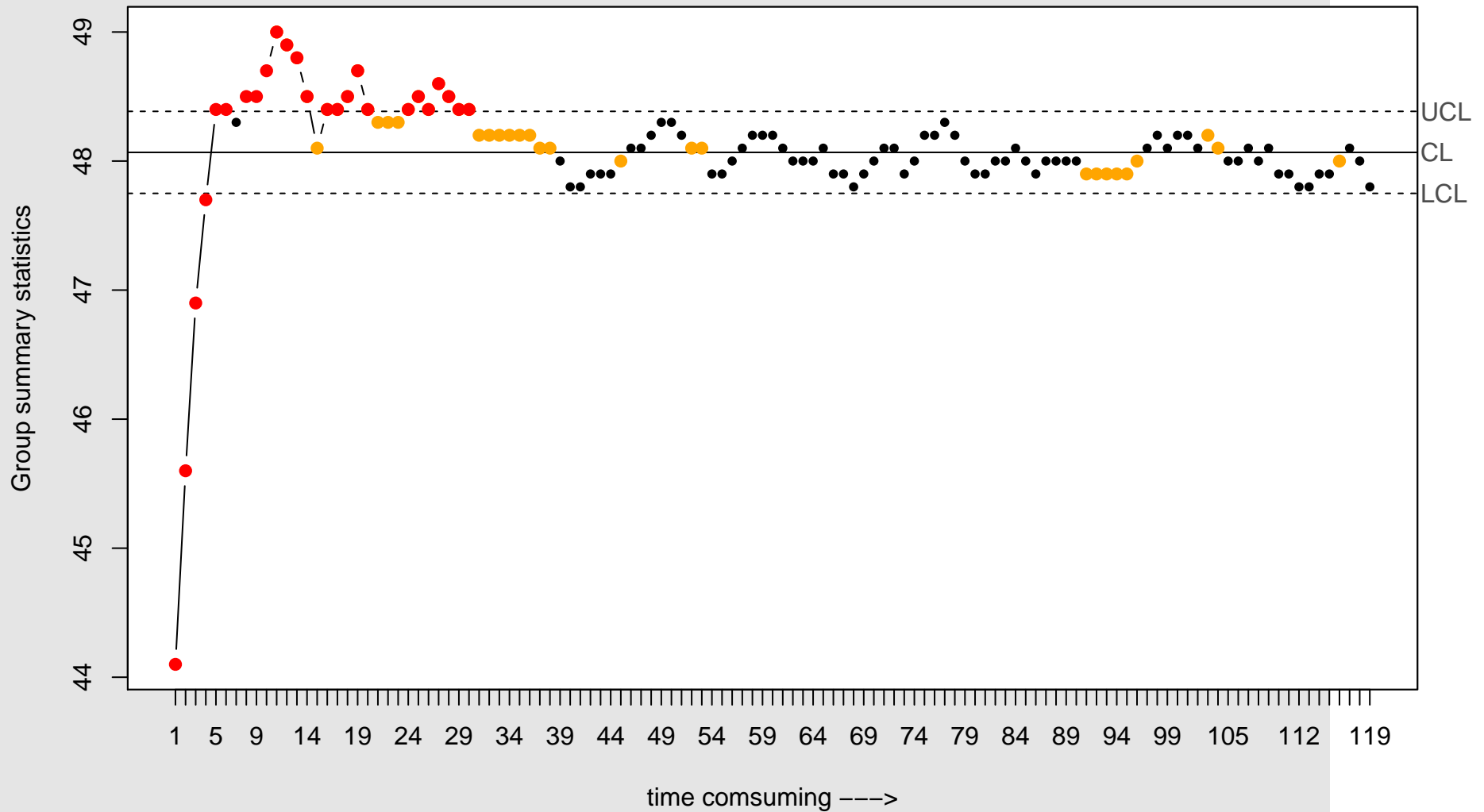
LCL = 47.78427

UCL = 48.3838

Number beyond limits = 25

Number violating runs = 45

### 308th column point of this product



Number of groups = 119

Center = 48.06723

StdDev = 0.1059322

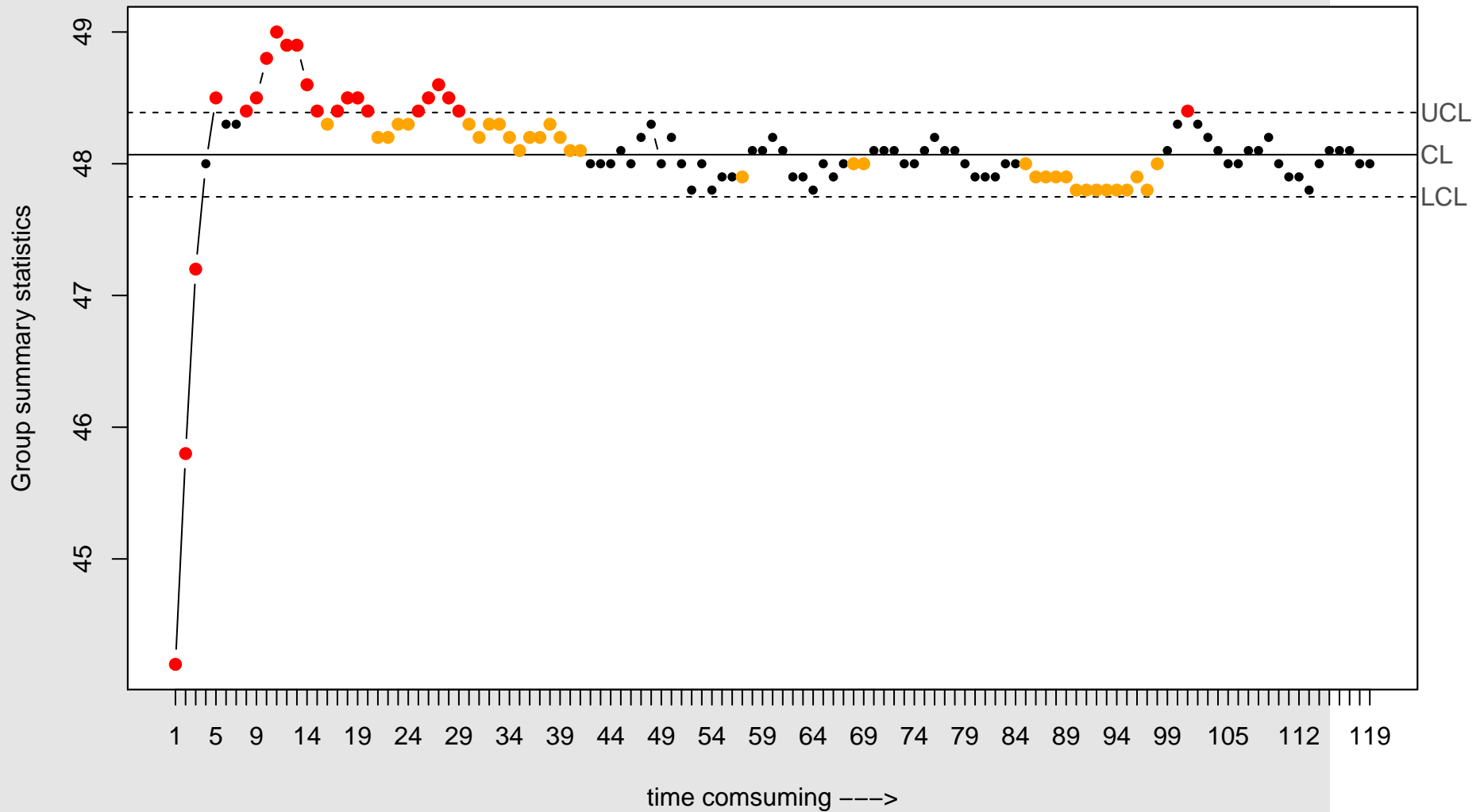
LCL = 47.74943

UCL = 48.38502

Number beyond limits = 25

Number violating runs = 40

### 309th column point of this product

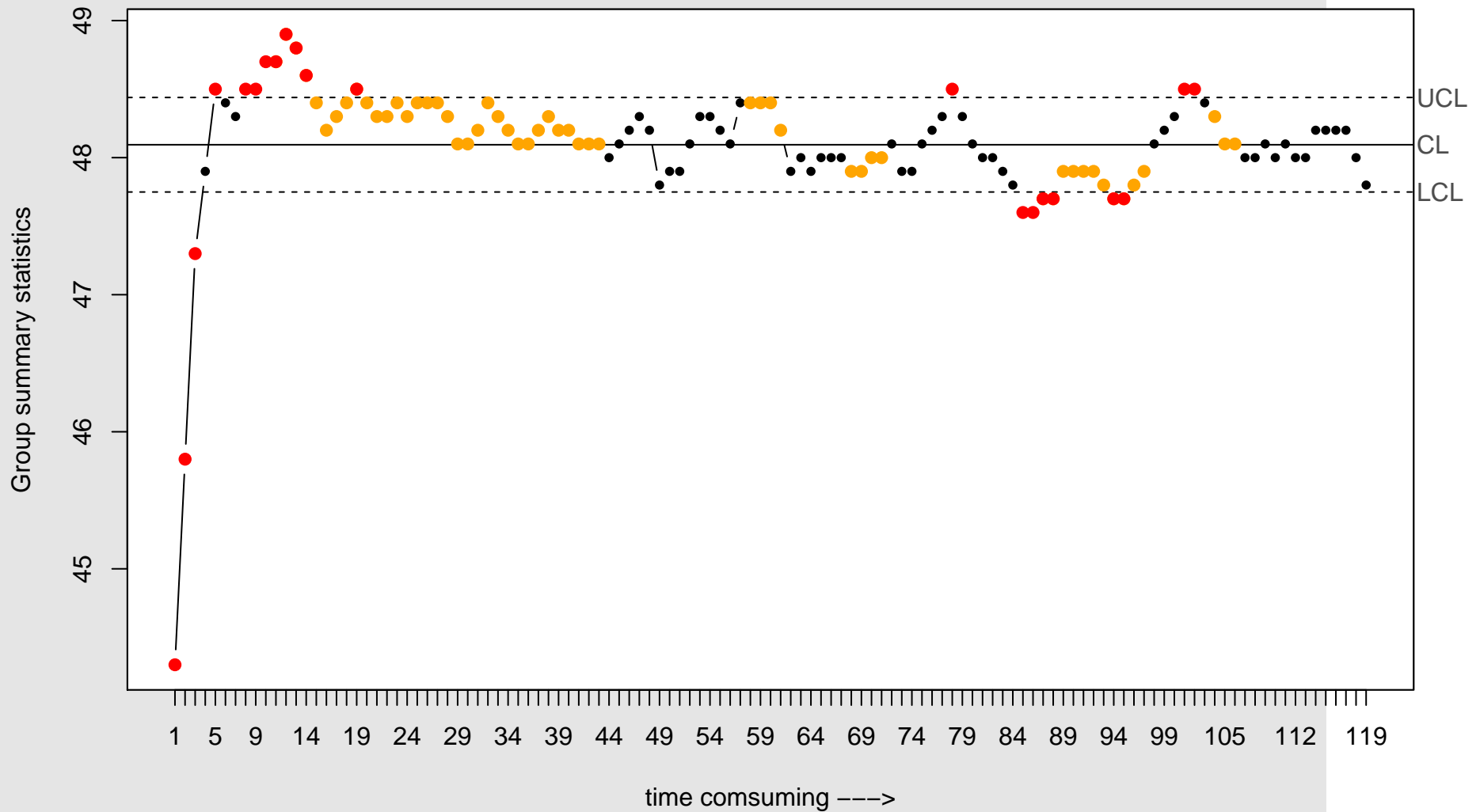


Number of groups = 119  
Center = 48.06891  
StdDev = 0.1066835

LCL = 47.74886  
UCL = 48.38896

Number beyond limits = 22  
Number violating runs = 48

### 310th column point of this product



Number of groups = 119

Center = 48.09412

StdDev = 0.1149477

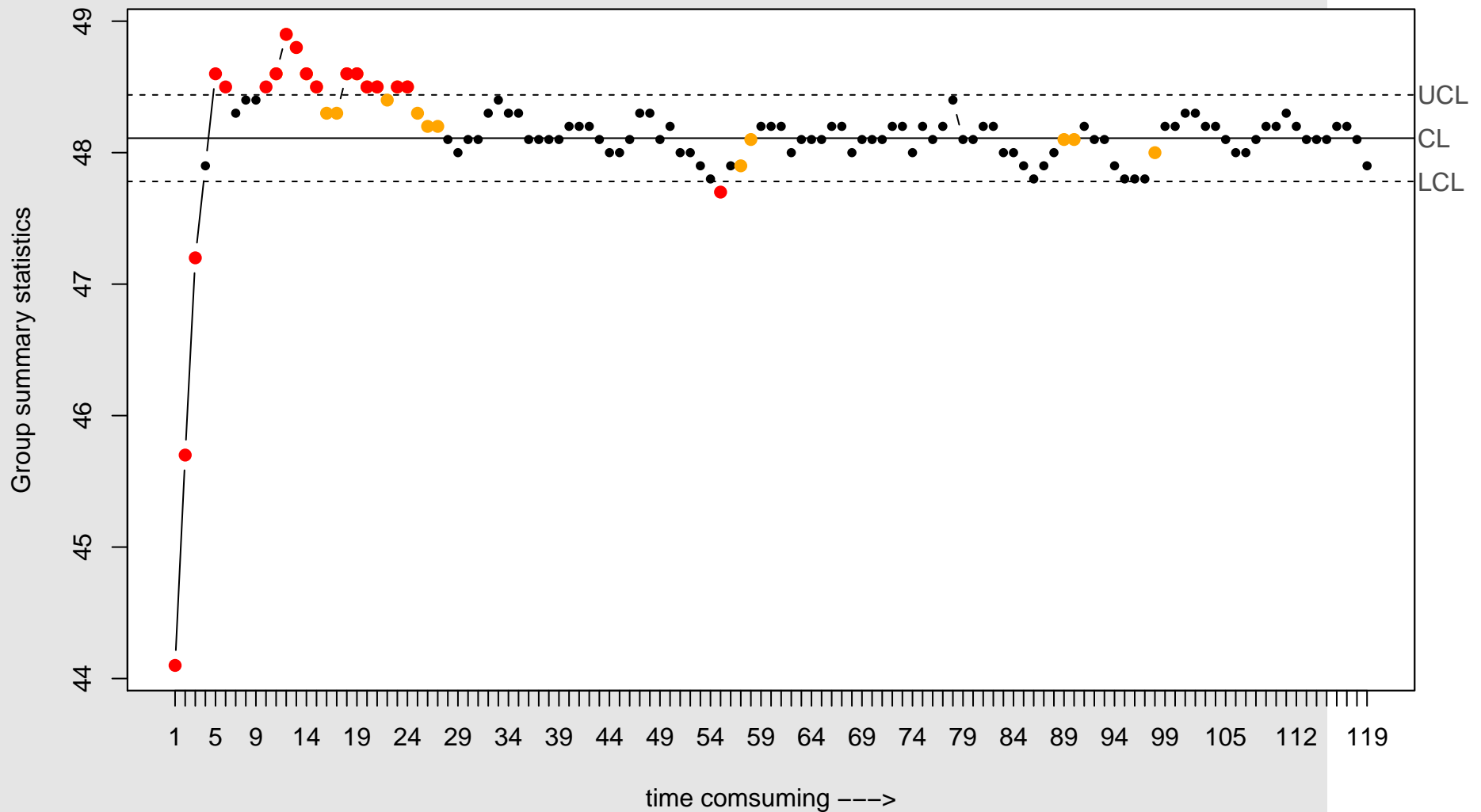
LCL = 47.74927

UCL = 48.43896

Number beyond limits = 21

Number violating runs = 55

### 311th column point of this product



Number of groups = 119

Center = 48.11008

StdDev = 0.1096887

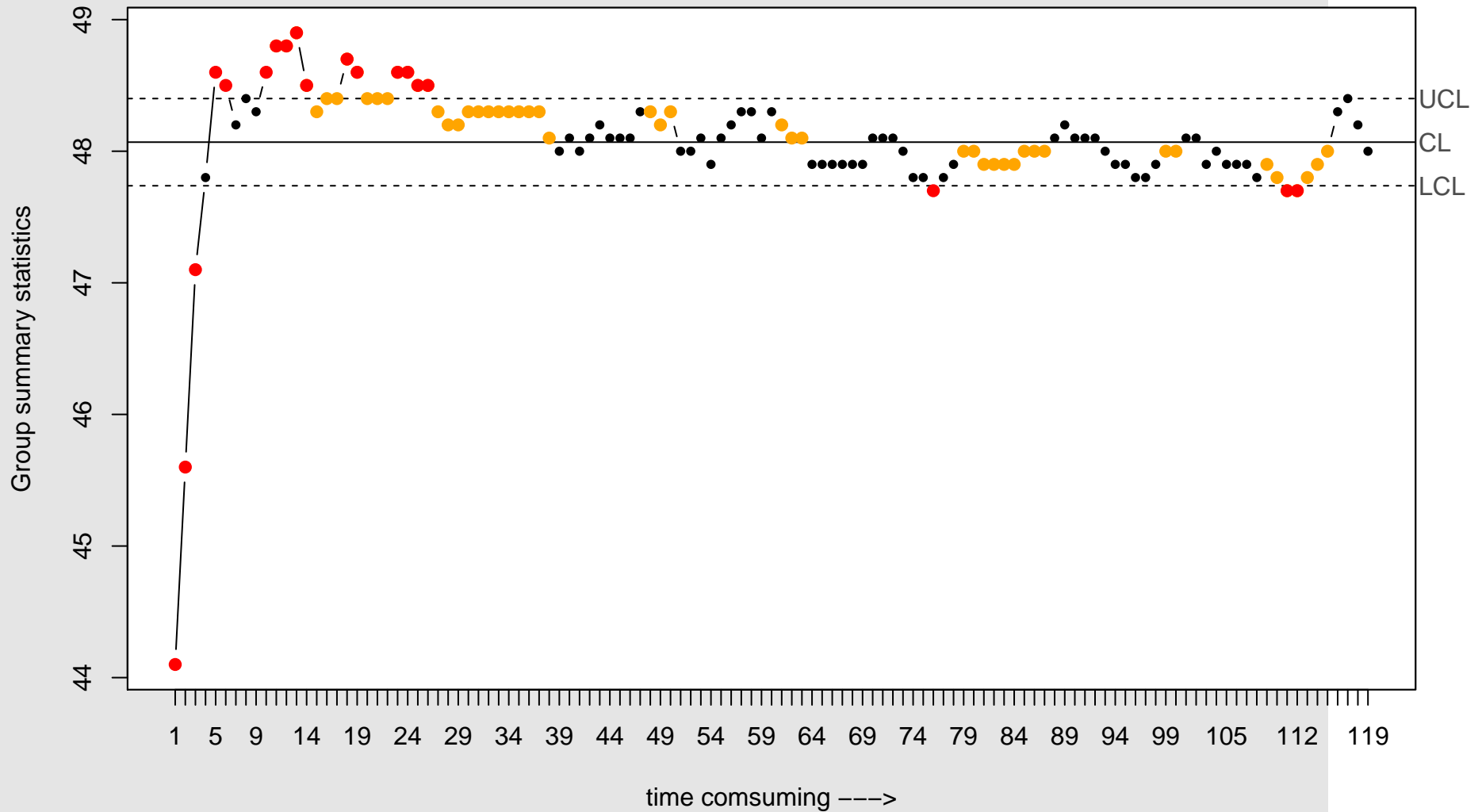
LCL = 47.78102

UCL = 48.43915

Number beyond limits = 18

Number violating runs = 22

### 312th column point of this product



Number of groups = 119

Center = 48.06891

StdDev = 0.11044

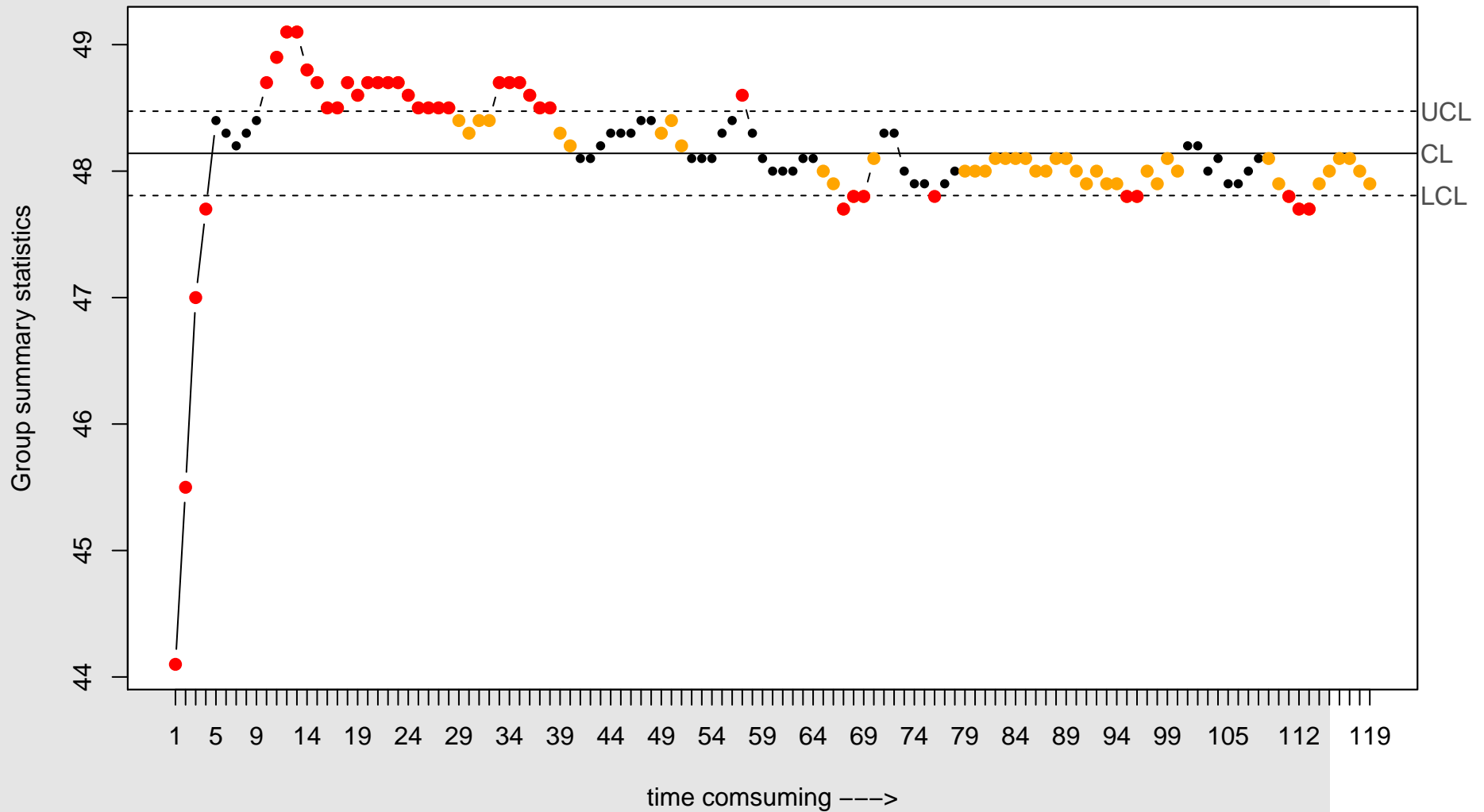
LCL = 47.73759

UCL = 48.40023

Number beyond limits = 19

Number violating runs = 52

### 313th column point of this product



Number of groups = 119

Center = 48.14034

StdDev = 0.1111912

LCL = 47.80676

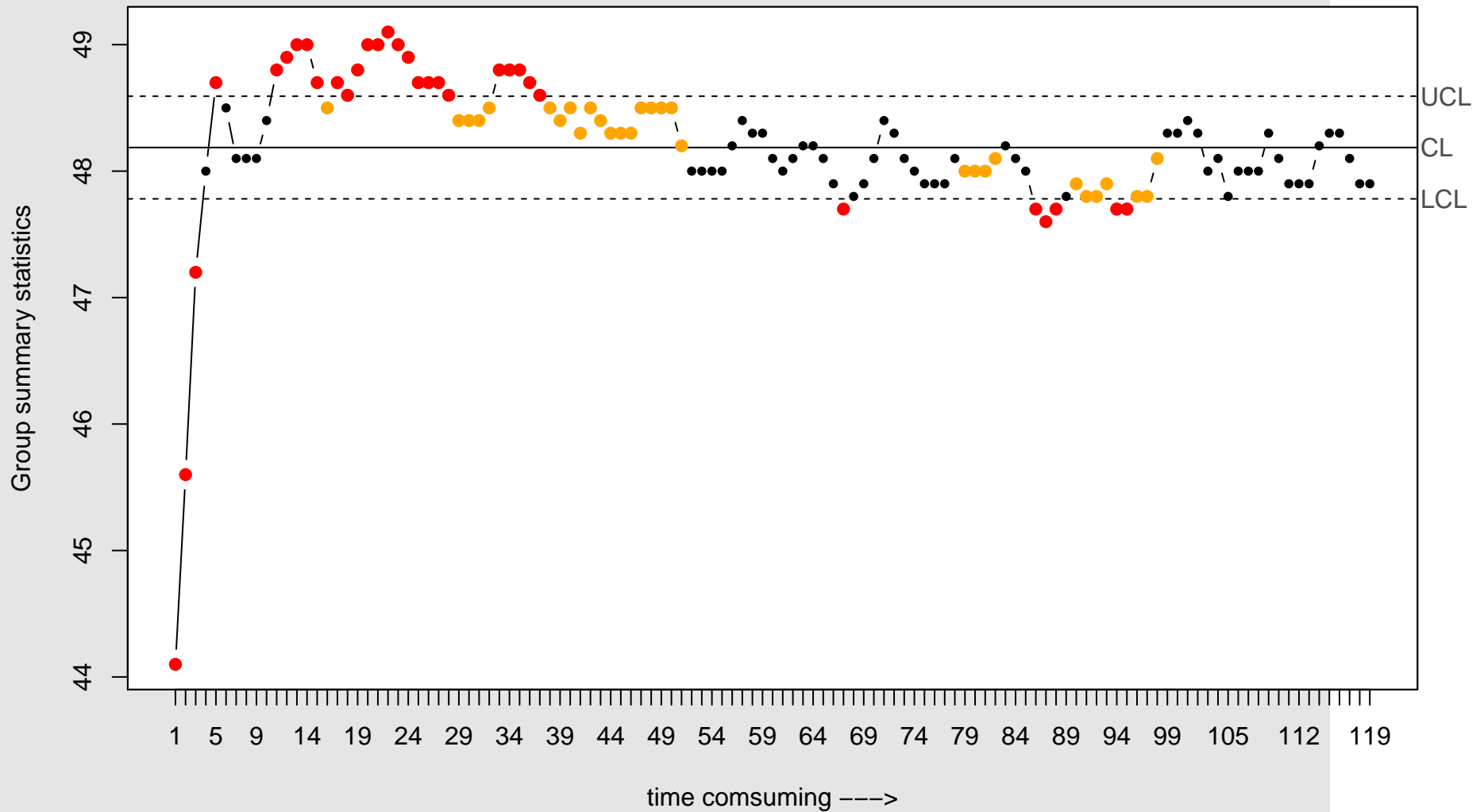
UCL = 48.47391

Number beyond limits = 39

Number violating runs = 72



### 314th column point of this product



Number of groups = 119

Center = 48.18655

StdDev = 0.1352326

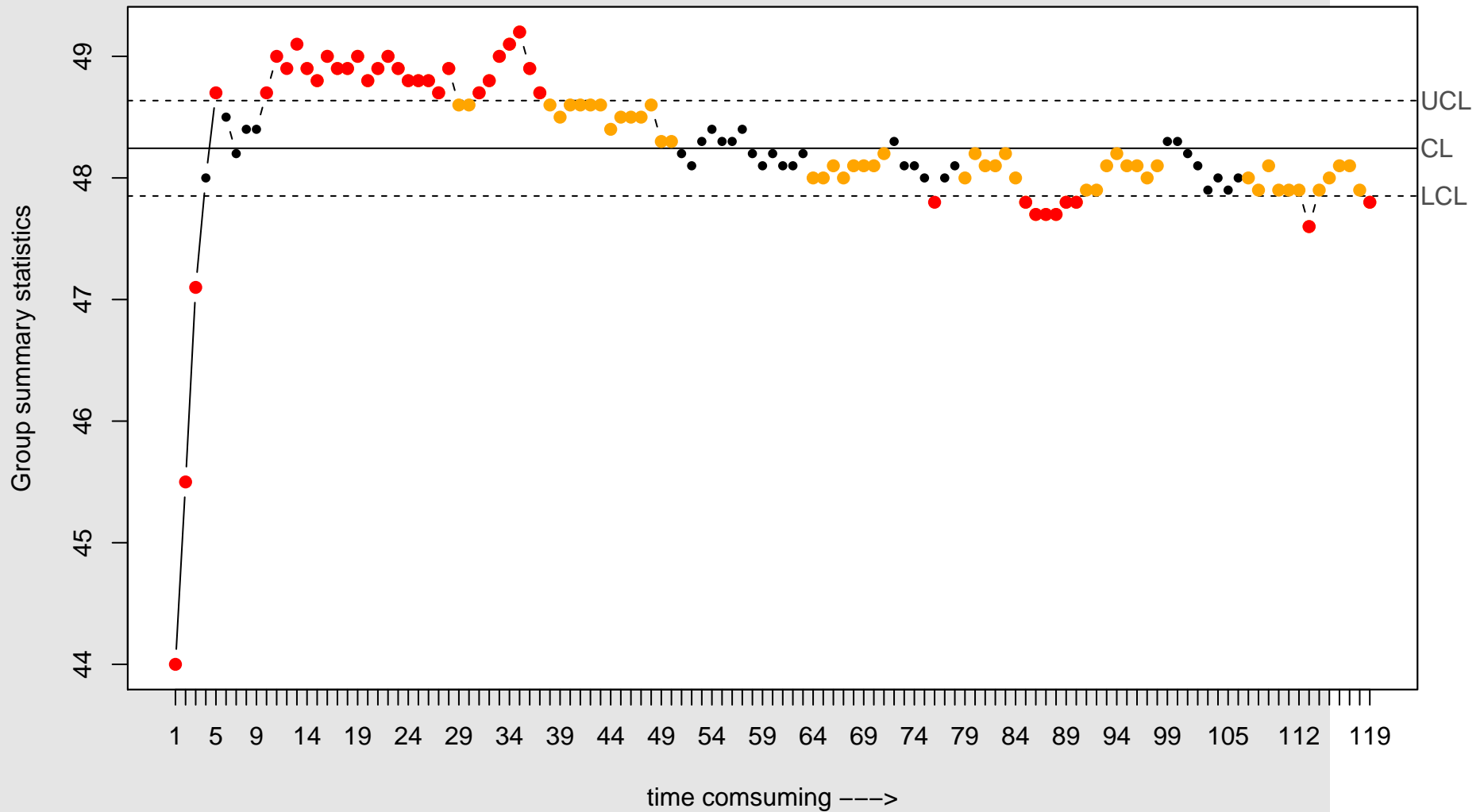
LCL = 47.78086

UCL = 48.59225

Number beyond limits = 32

Number violating runs = 49

### 315th column point of this product



Number of groups = 119

Center = 48.2437

StdDev = 0.1307248

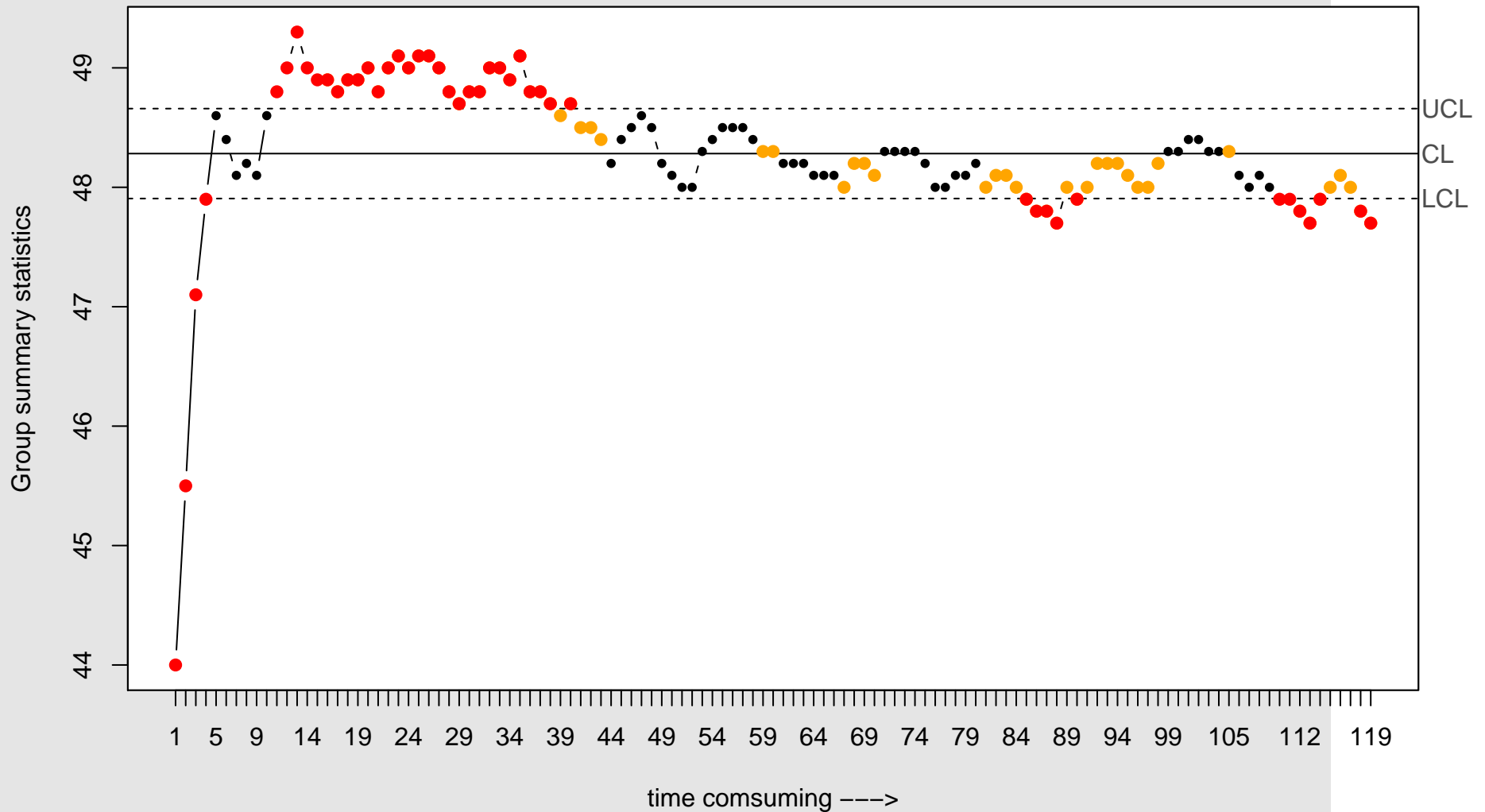
LCL = 47.85152

UCL = 48.63587

Number beyond limits = 39

Number violating runs = 78

### 316th column point of this product



Number of groups = 119

Center = 48.28235

StdDev = 0.1254658

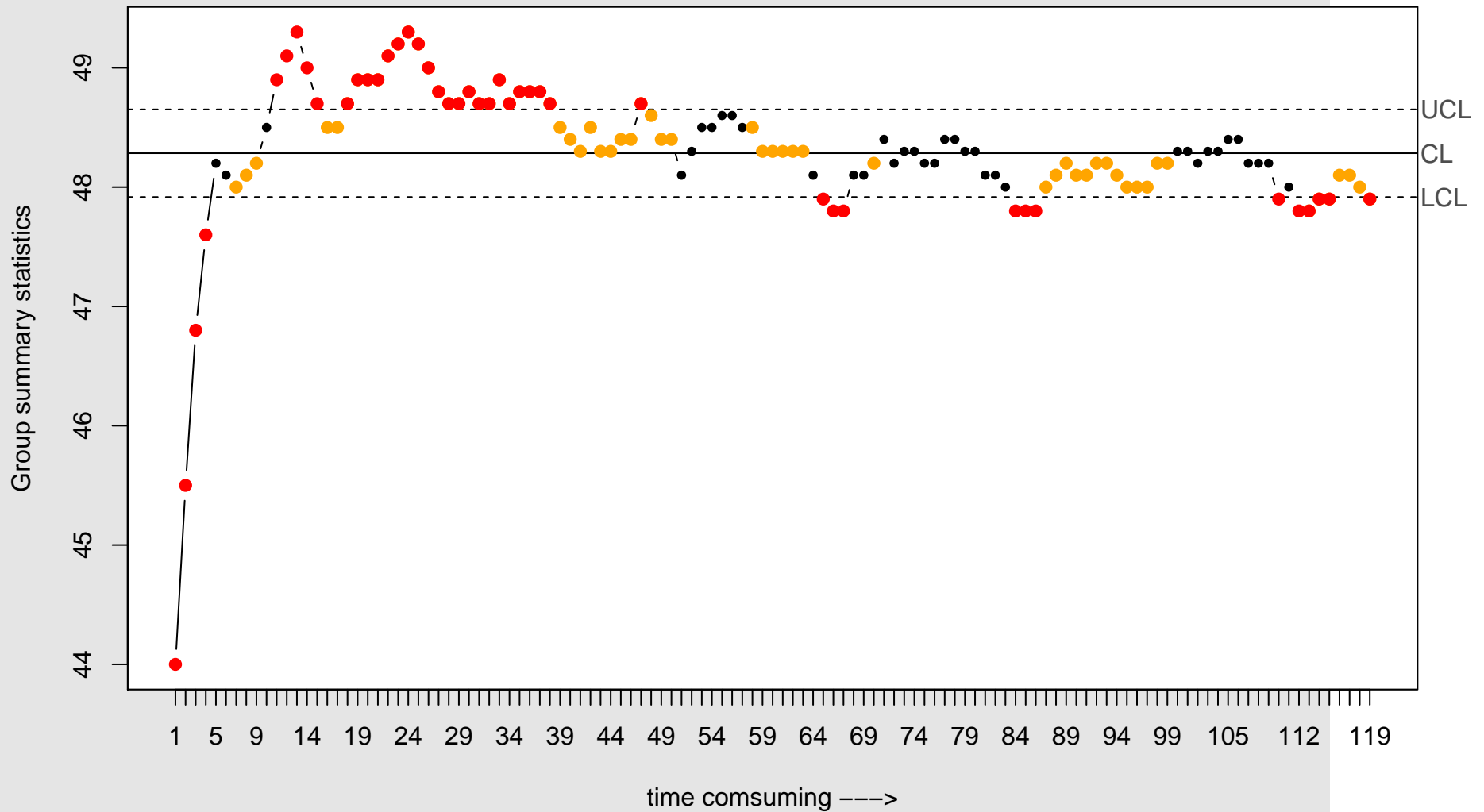
LCL = 47.90596

UCL = 48.65875

Number beyond limits = 45

Number violating runs = 61

### 317th column point of this product



Number of groups = 119

Center = 48.28403

StdDev = 0.1224606

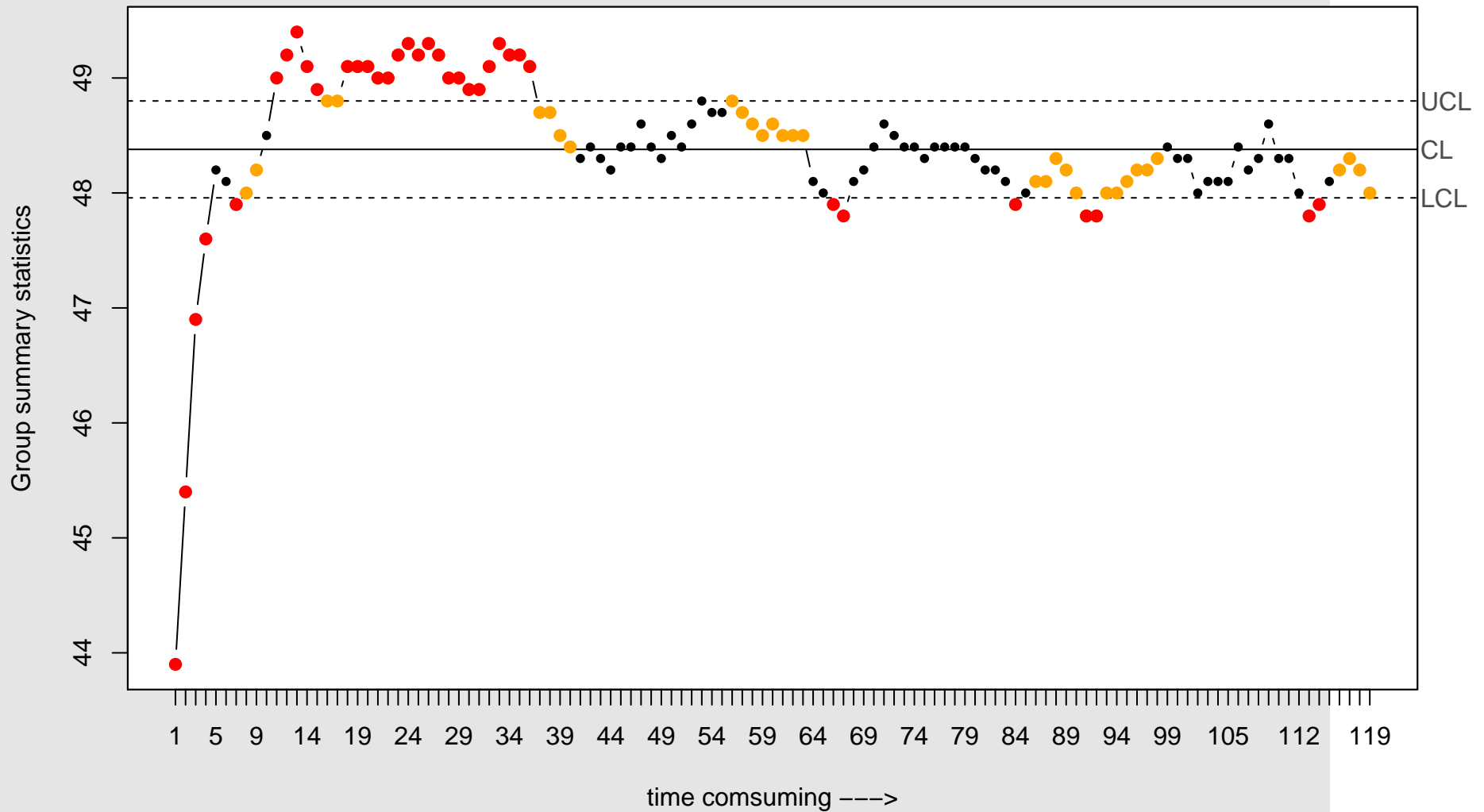
LCL = 47.91665

UCL = 48.65142

Number beyond limits = 43

Number violating runs = 65

### 318th column point of this product



Number of groups = 119

Center = 48.37899

StdDev = 0.1404916

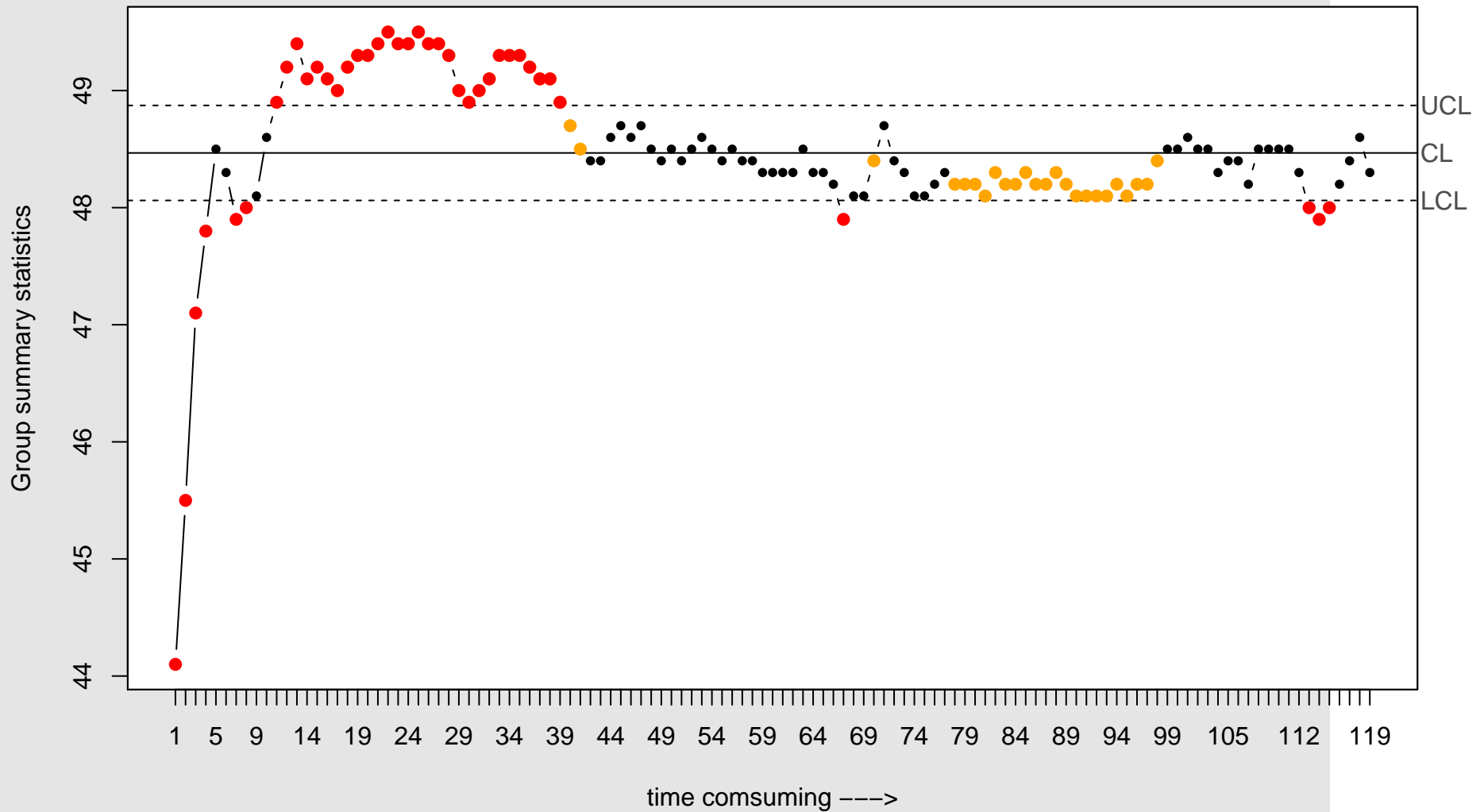
LCL = 47.95752

UCL = 48.80047

Number beyond limits = 36

Number violating runs = 53

### 319th column point of this product



Number of groups = 119

Center = 48.46723

StdDev = 0.1352326

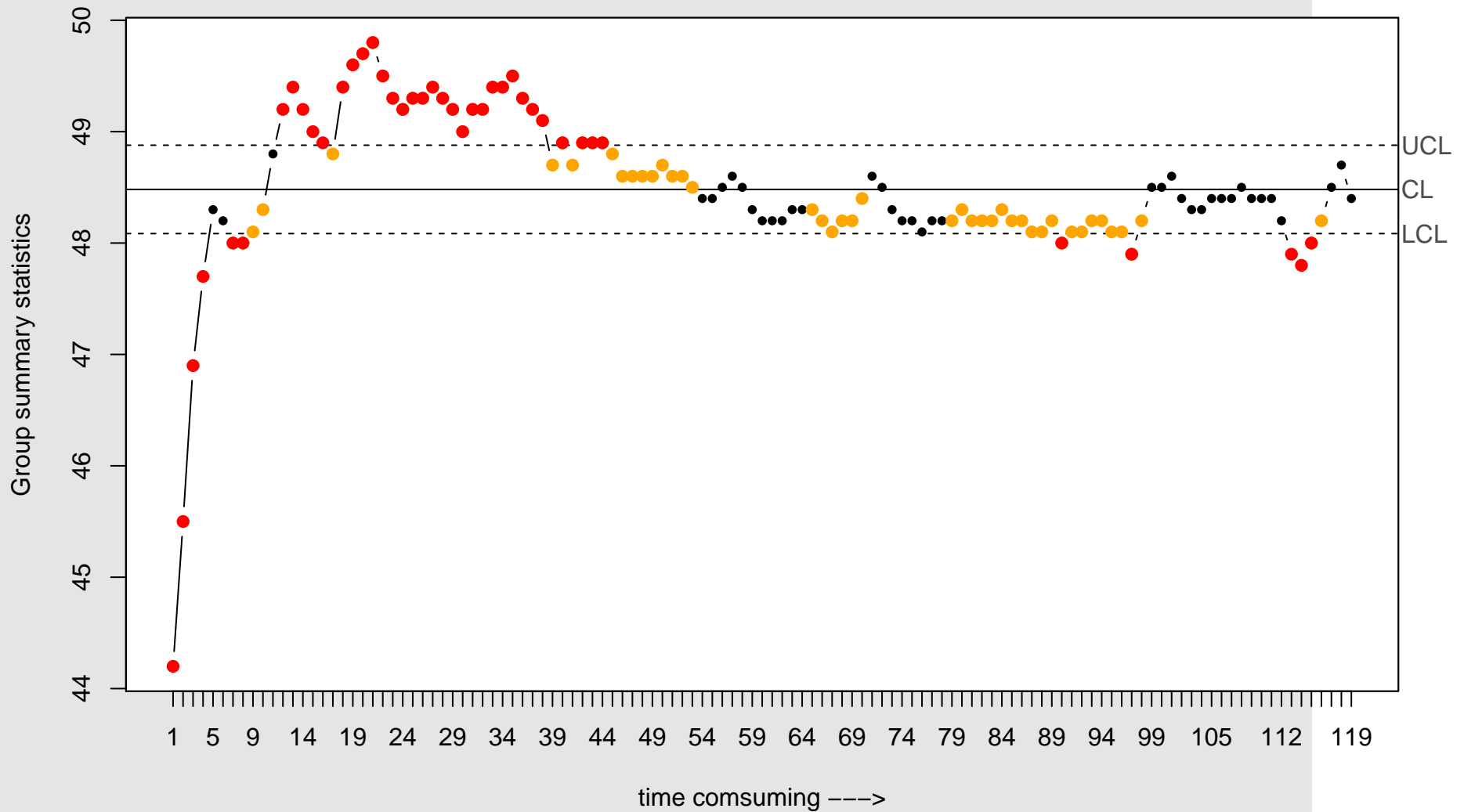
LCL = 48.06153

UCL = 48.87292

Number beyond limits = 39

Number violating runs = 48

### 320th column point of this product



Number of groups = 119

Center = 48.48151

StdDev = 0.1322274

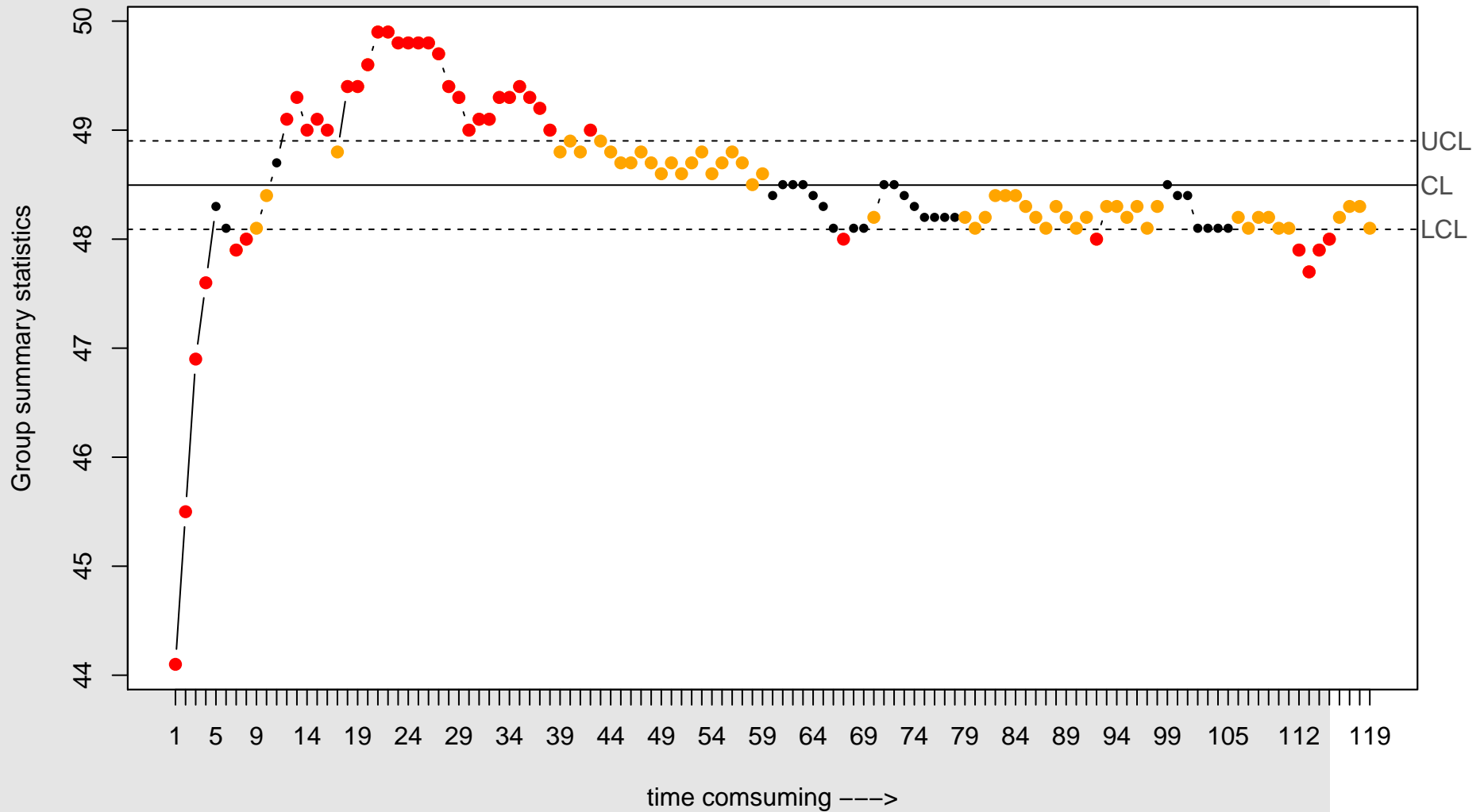
LCL = 48.08483

UCL = 48.87819

Number beyond limits = 41

Number violating runs = 69

### 321th column point of this product



Number of groups = 119

Center = 48.4958

StdDev = 0.1352326

LCL = 48.0901

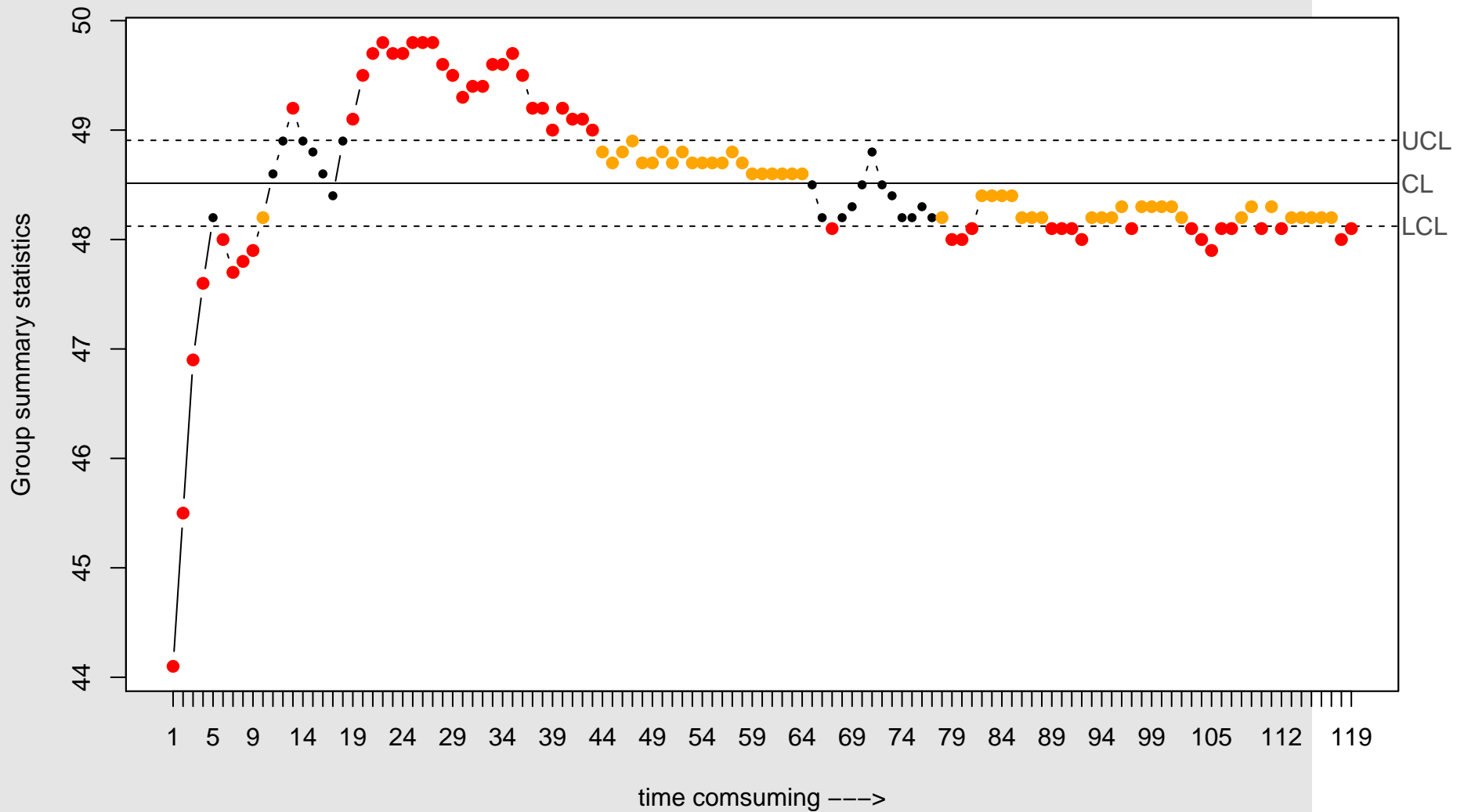
UCL = 48.9015

Number beyond limits = 39

Number violating runs = 82



### 322th column point of this product



Number of groups = 119

Center = 48.51429

StdDev = 0.1307248

LCL = 48.12211

UCL = 48.90646

Number beyond limits = 52

Number violating runs = 87