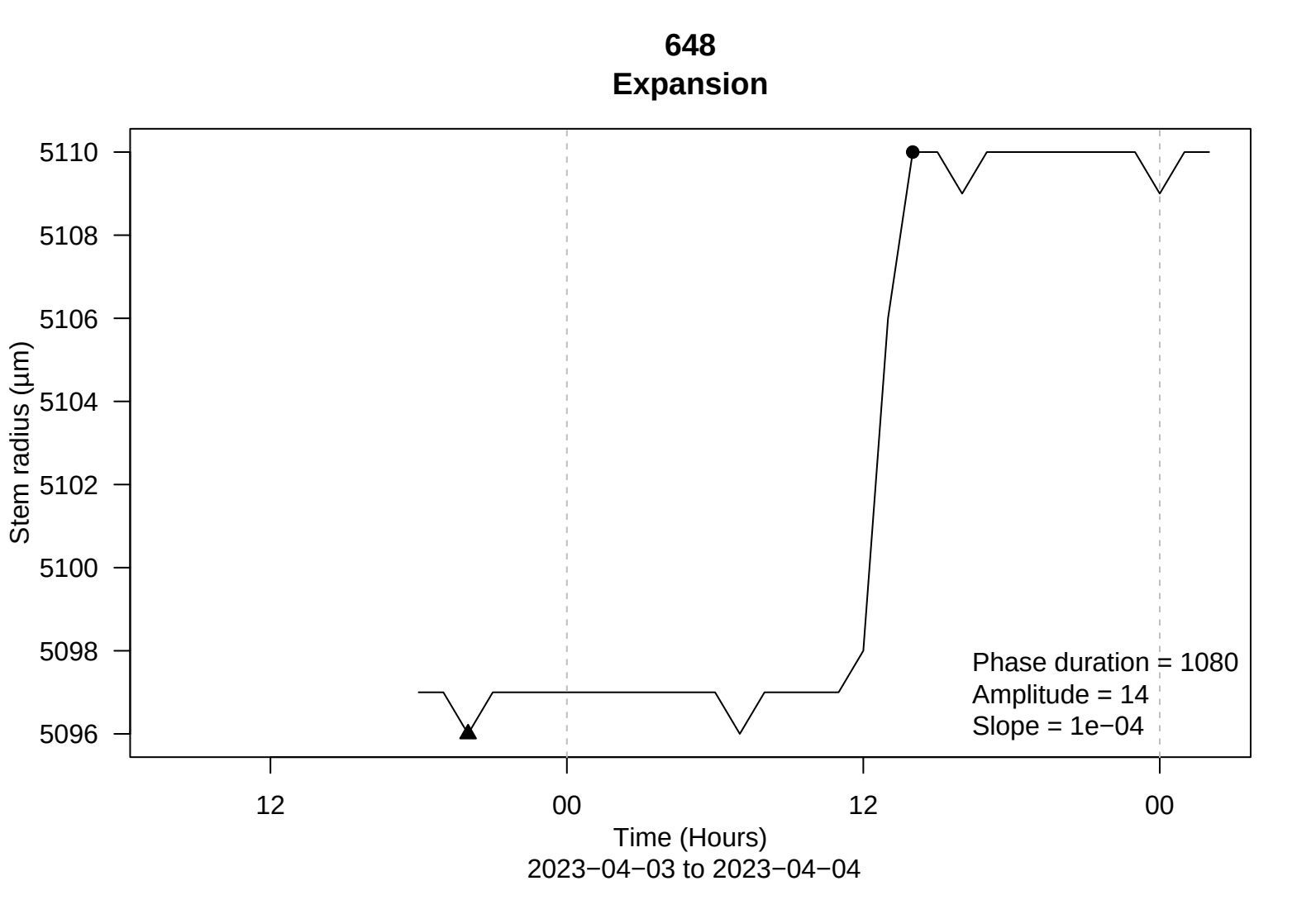
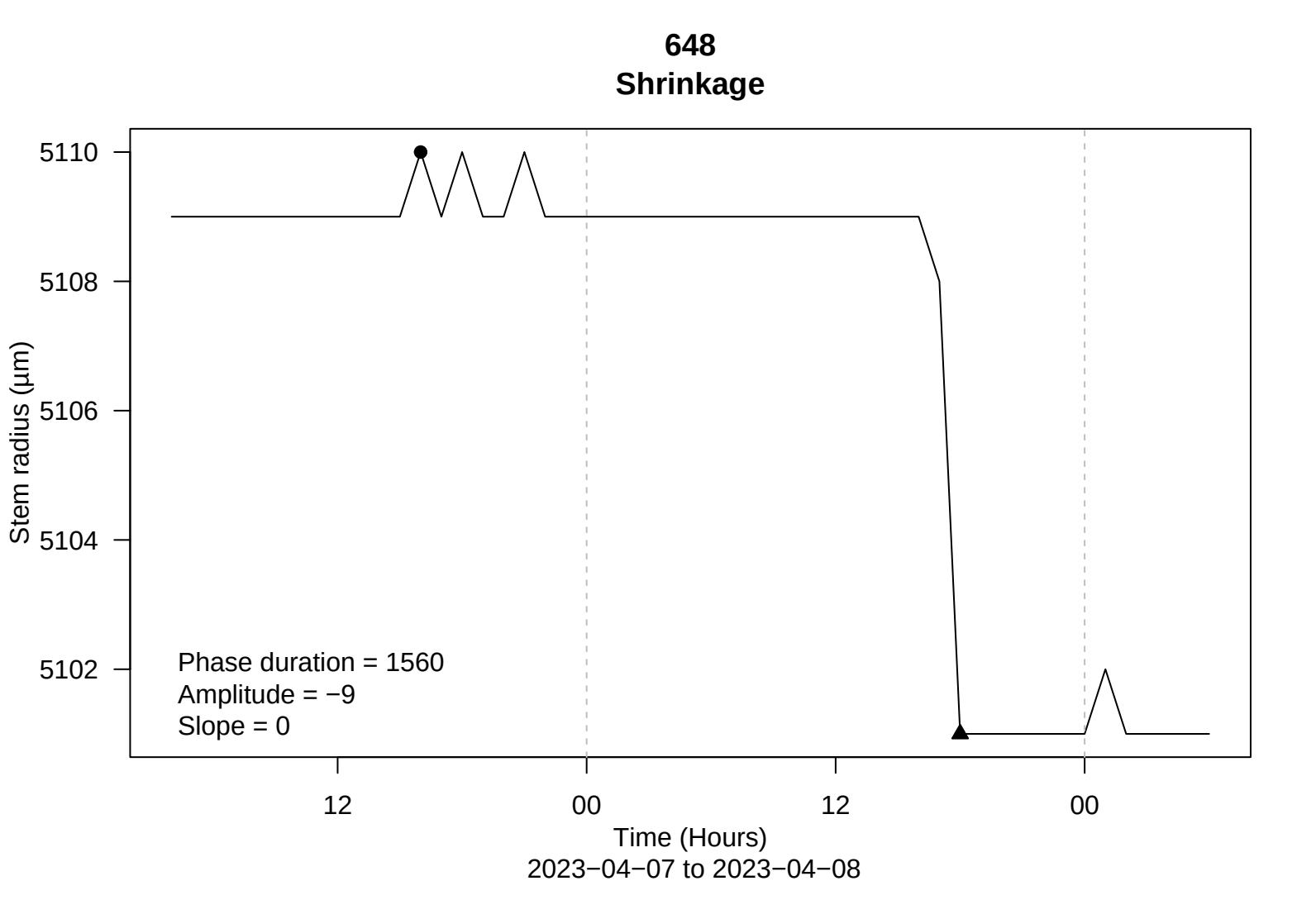
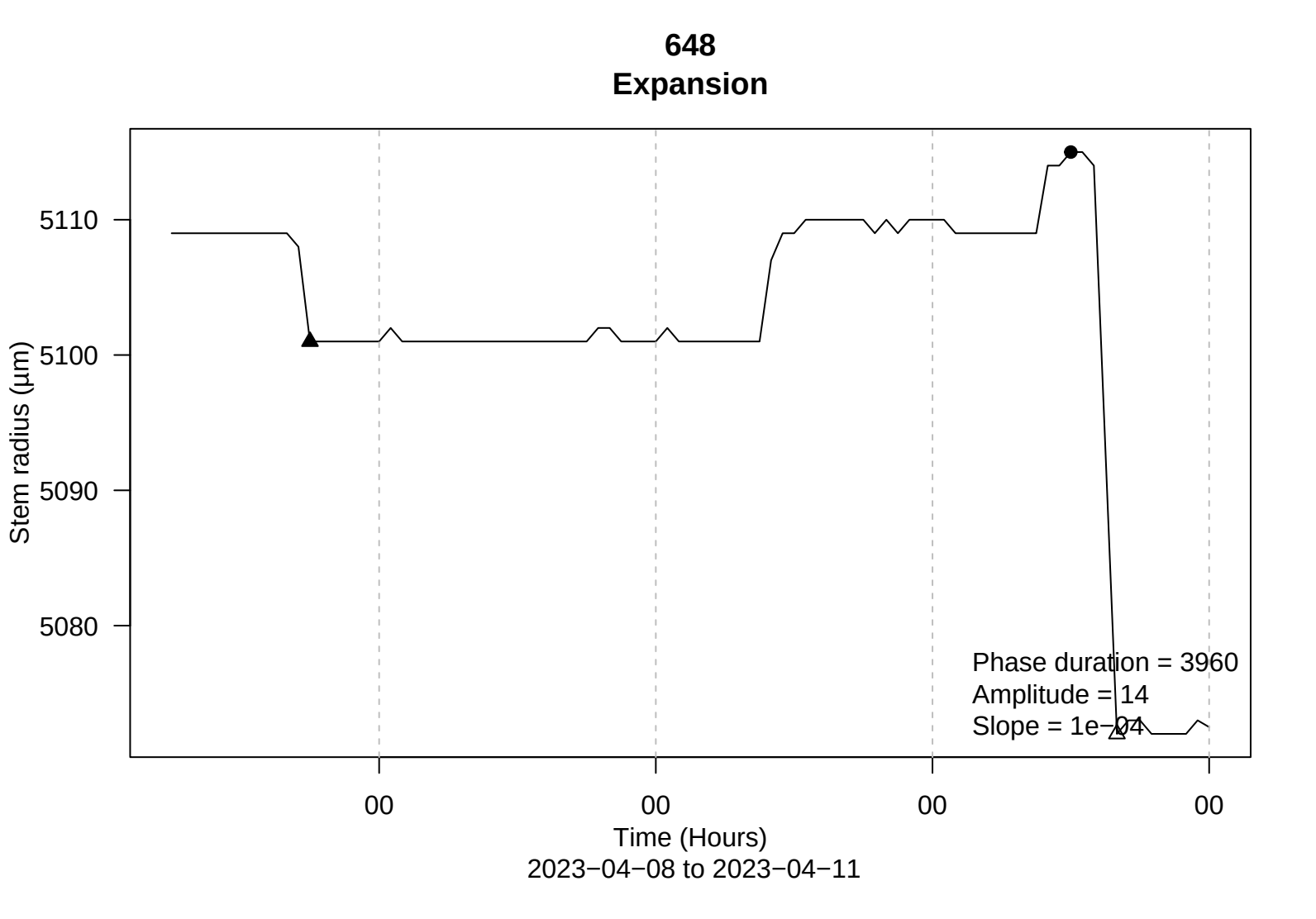
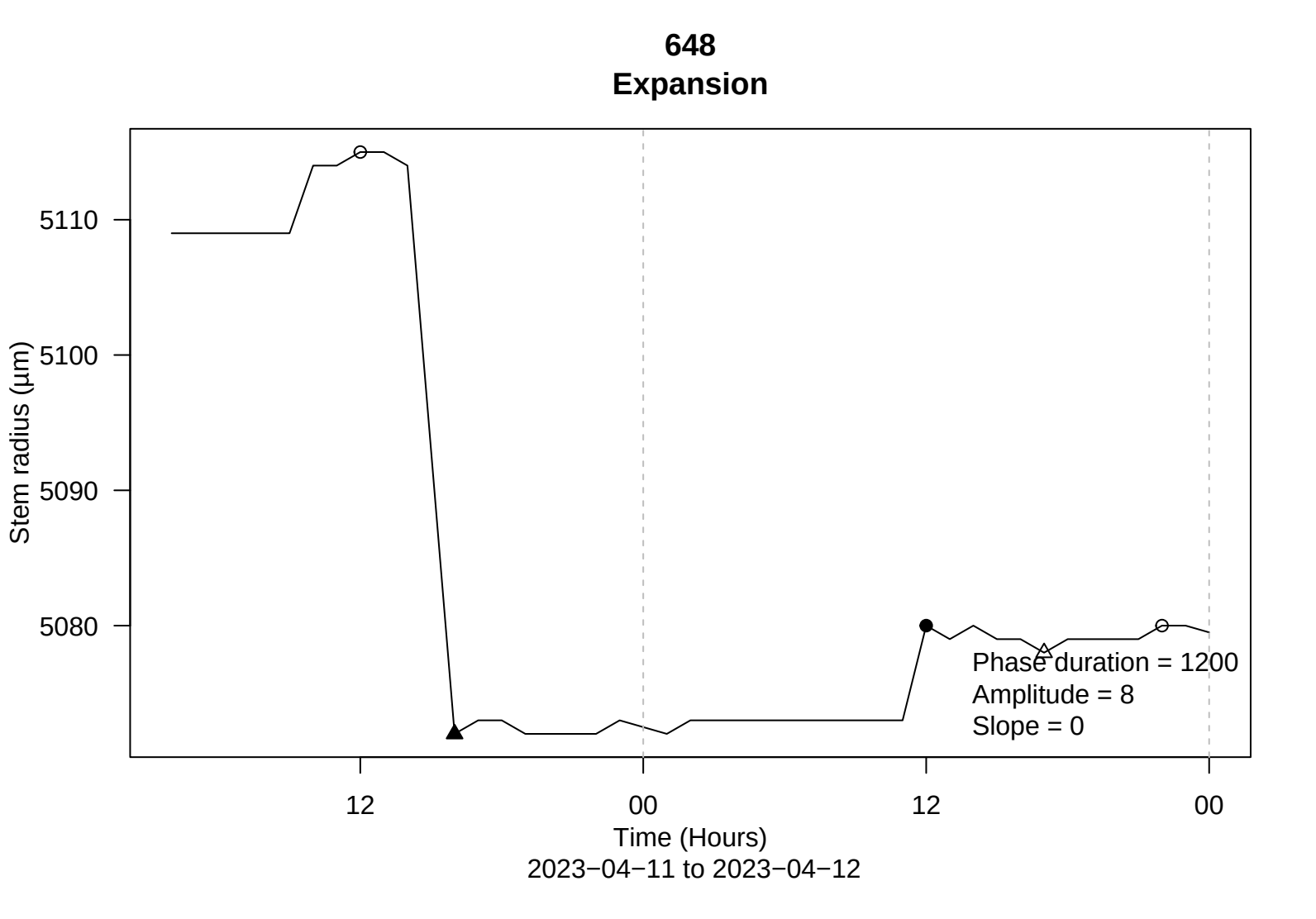
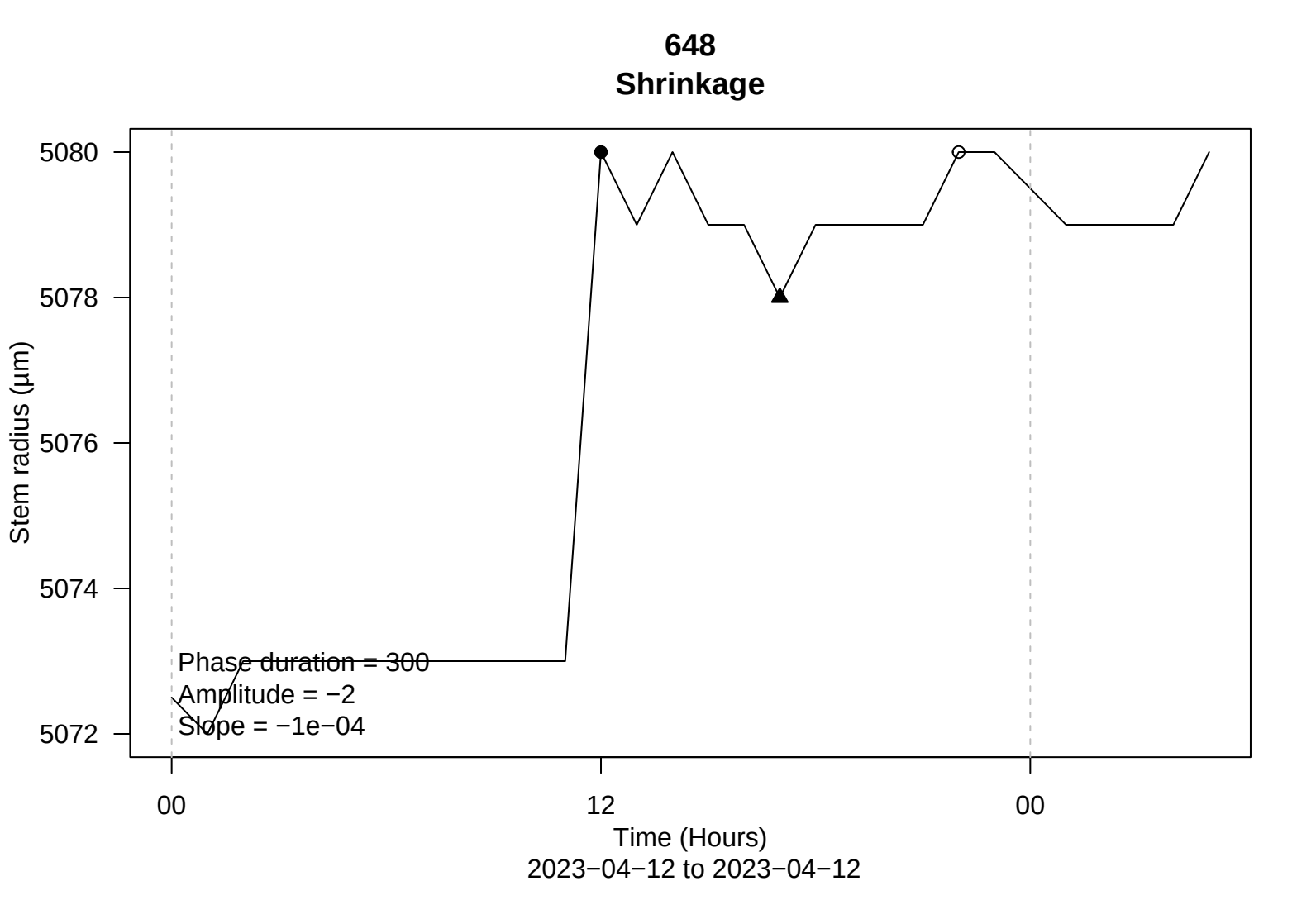
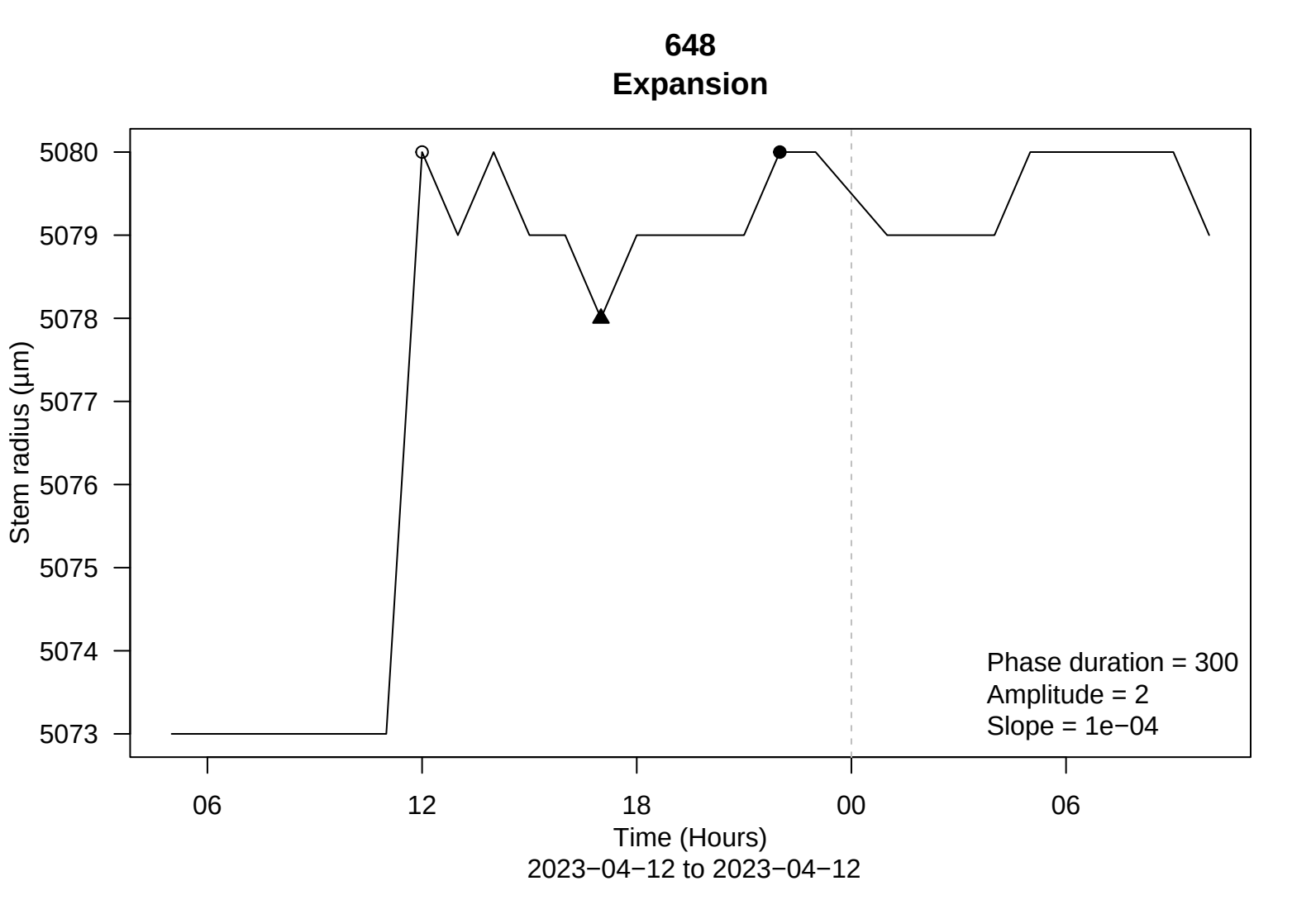

648
Expansion
5110
5108
5106
5104
5102
5100
5098
5096
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−04−03 to 2023−04−04
Phase duration = 1080
Amplitude = 14
Slope = 1e−04

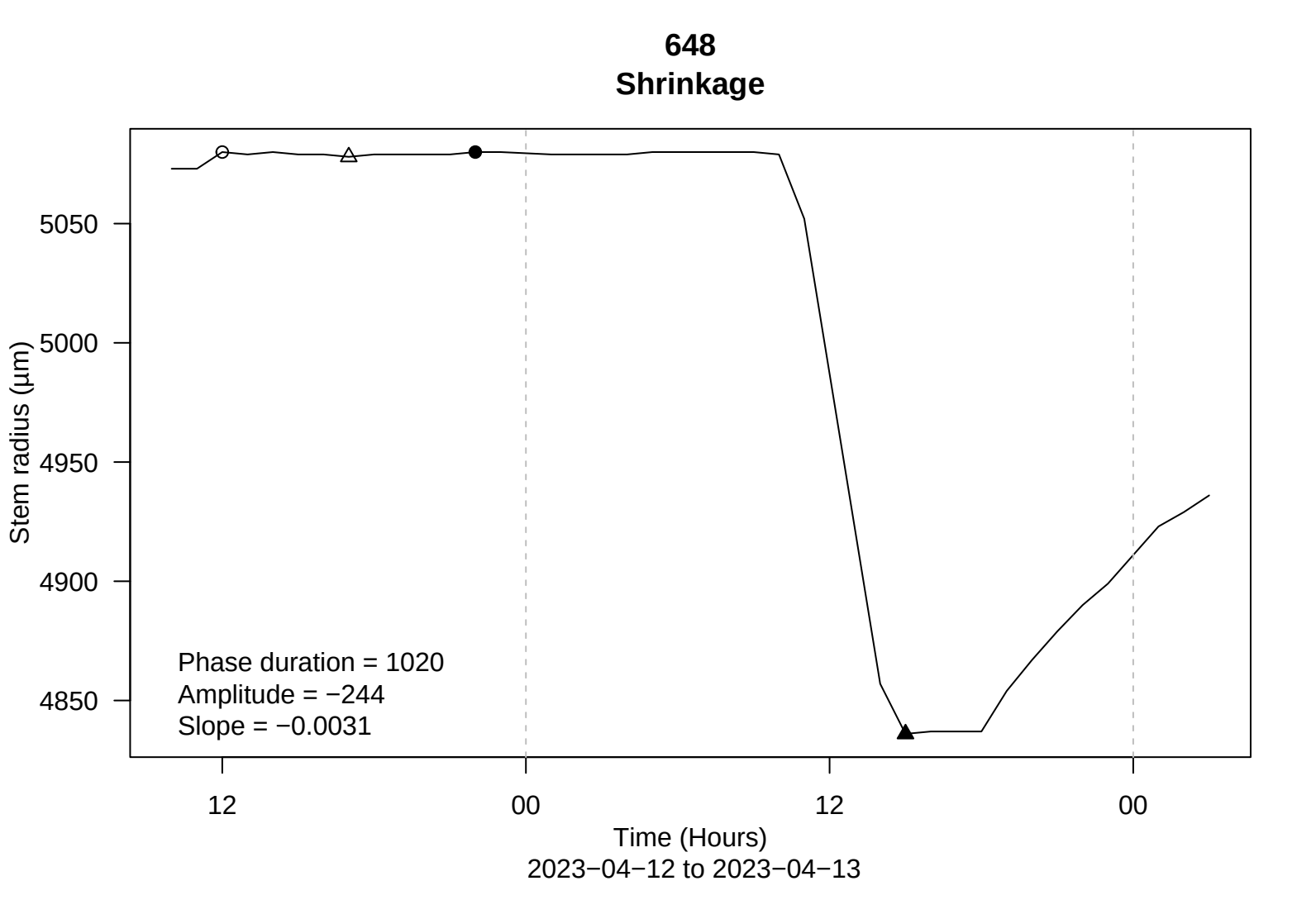

648
Shrinkage
5110
5108
5106
5104
5102
Stem radius (µm)
Phase duration = 1560
Amplitude = −9
Slope = 0
12
00
12
00
Time (Hours)
2023−04−07 to 2023−04−08

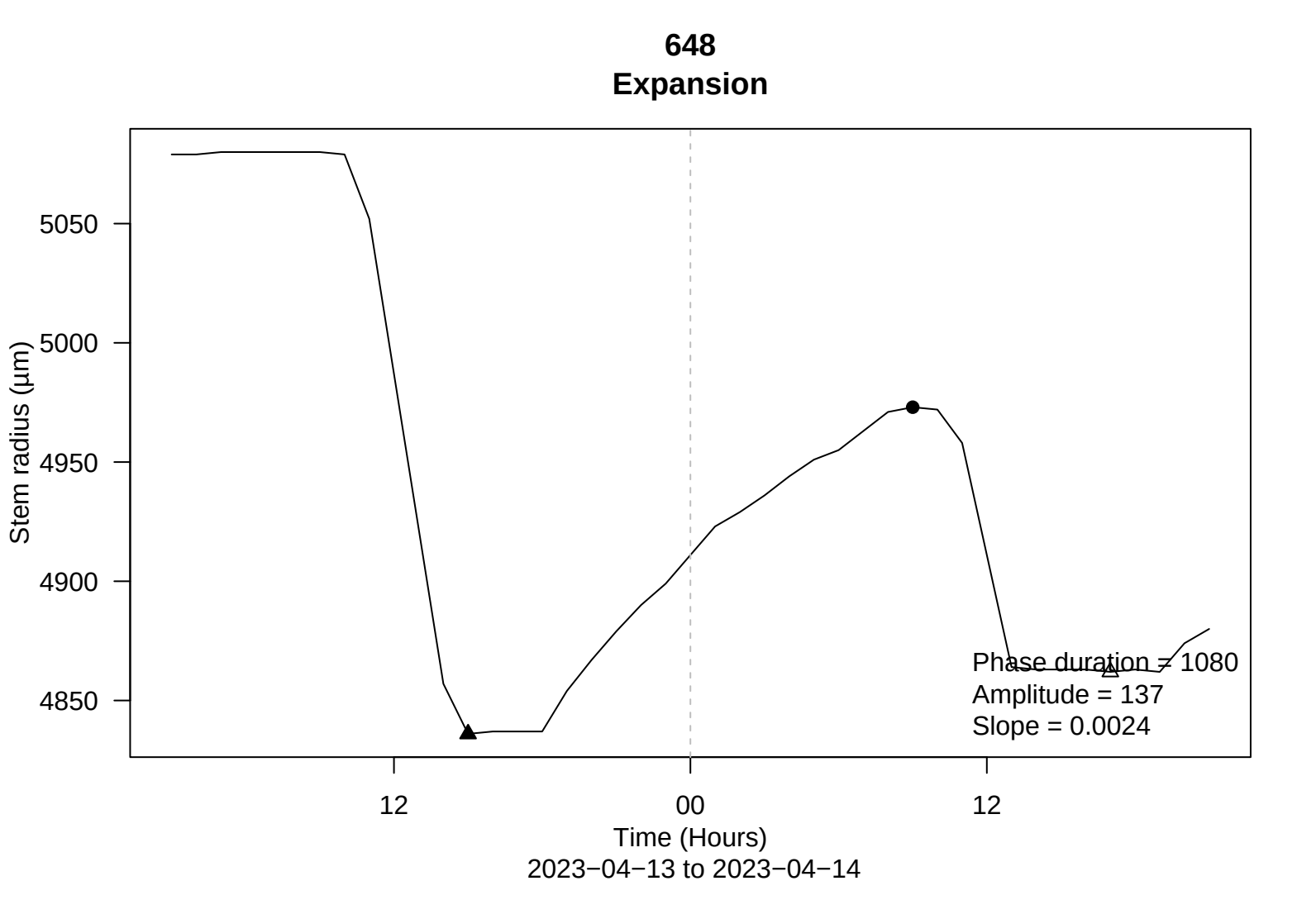

648
Expansion
5110
5100
5090
5080
Stem radius (µm)
Phase duration = 3960
Amplitude = 14
Slope = 1e−04
00
00
00
00
Time (Hours)
2023−04−08 to 2023−04−11

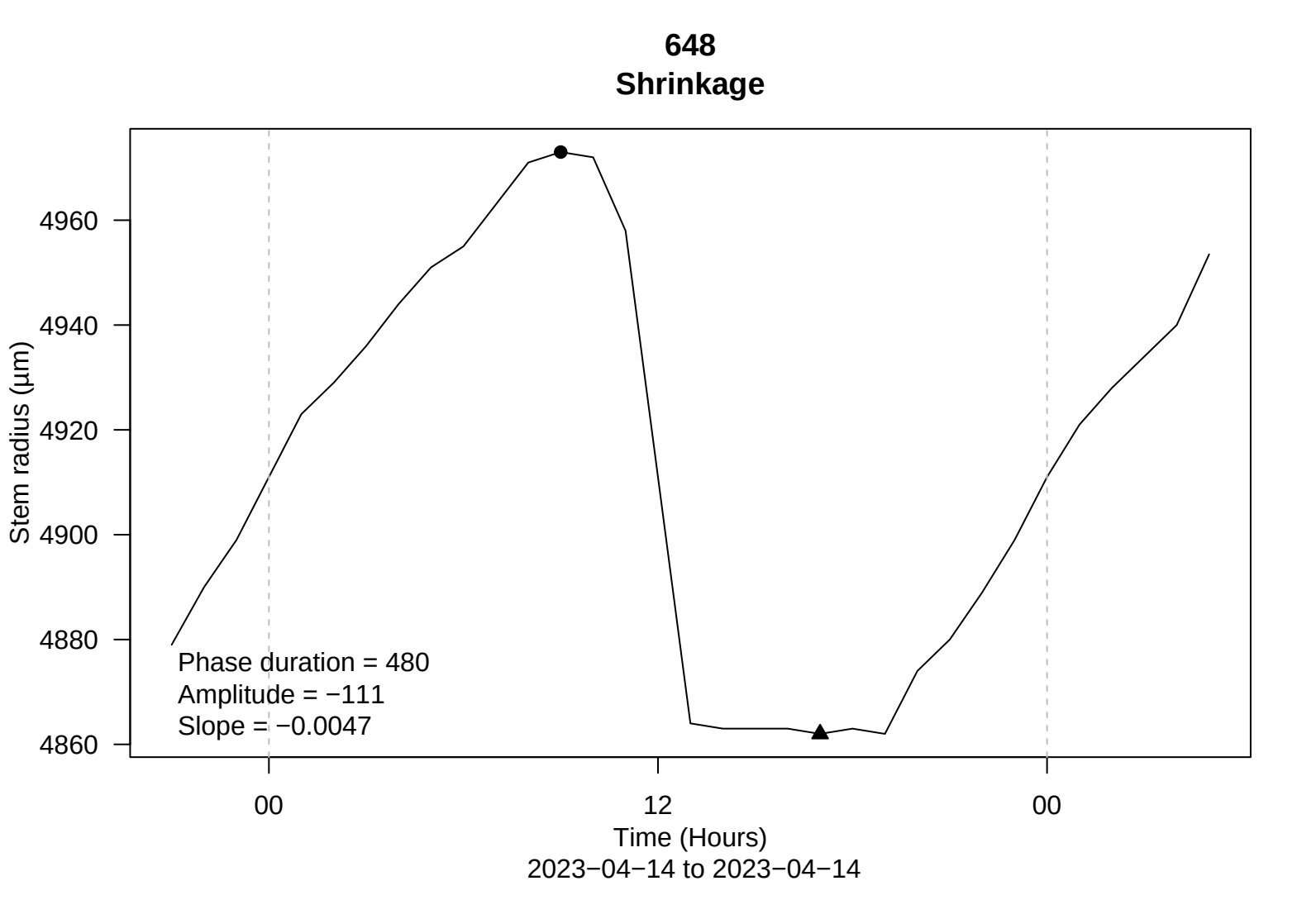

648
Expansion
5110
5100
5090
5080
Stem radius (µm)
Phase duration = 1200
Amplitude = 8
Slope = 0
12
00
12
00
Time (Hours)
2023−04−11 to 2023−04−12

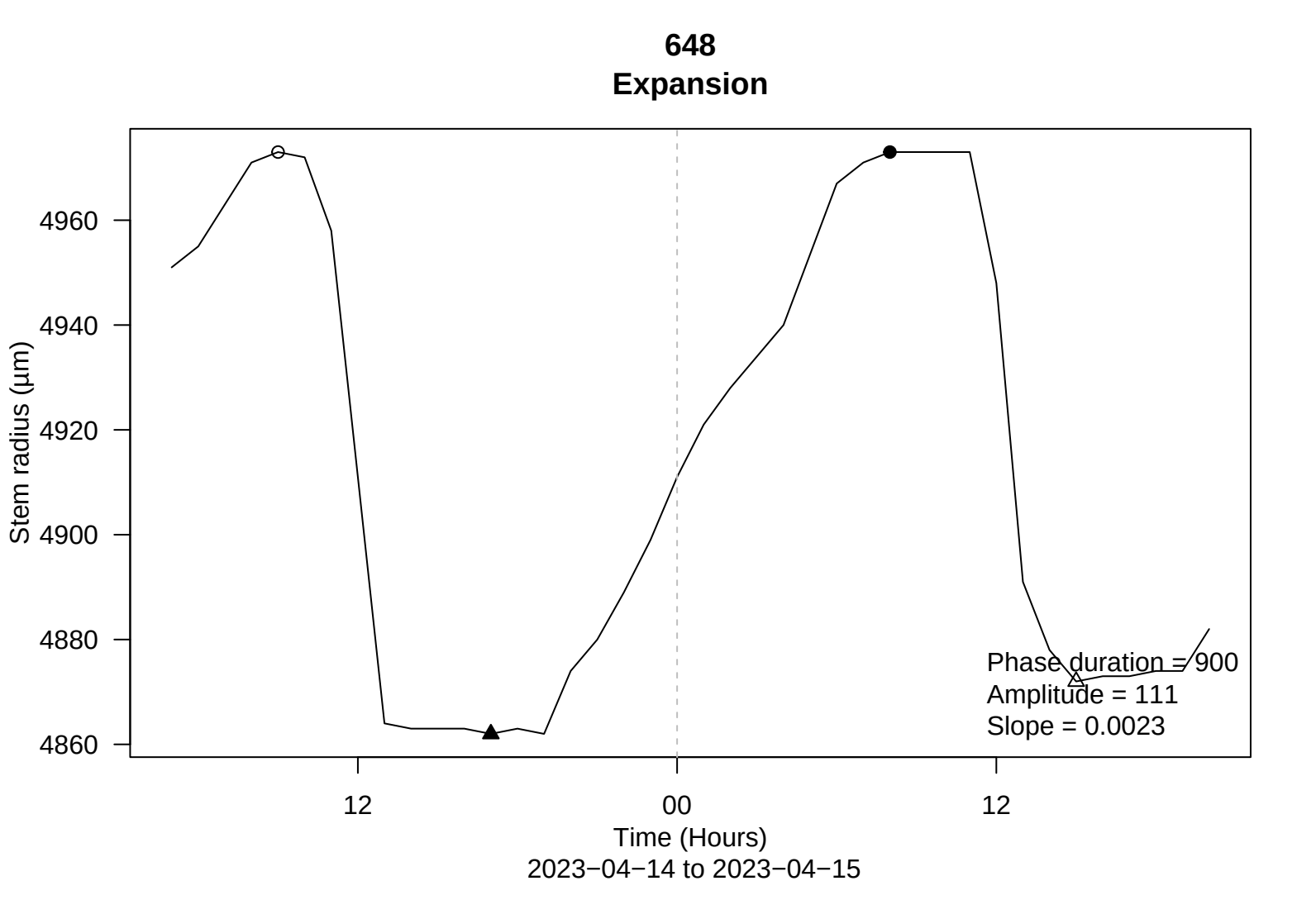

648
Shrinkage
5080
5078
5076
5074
5072
Stem radius (µm)
Phase duration = 300
Amplitude = −2
Slope = −1e−04
00
12
00
Time (Hours)
2023−04−12 to 2023−04−12

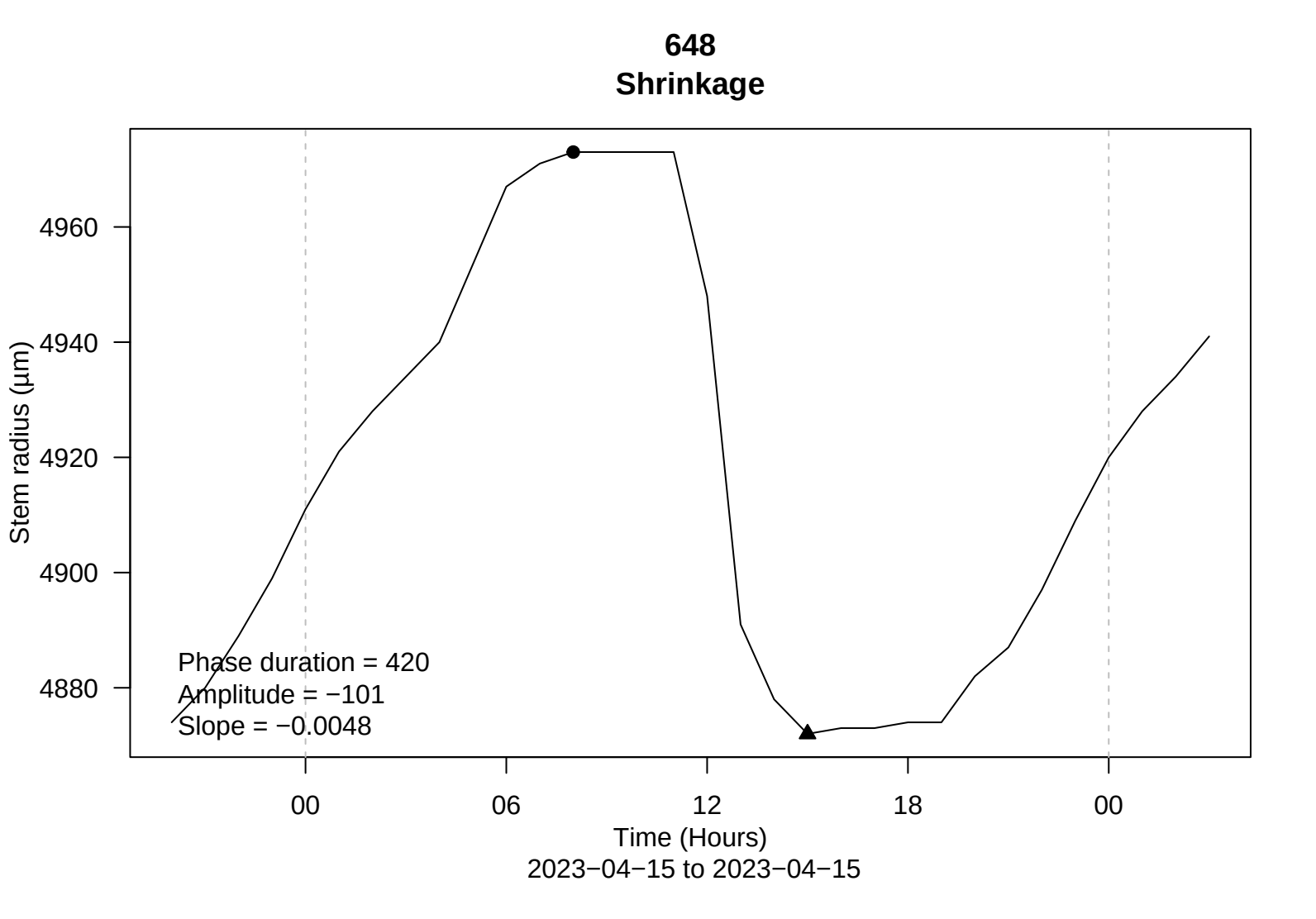

648
Expansion
5080
5079
5078
5077
5076
5075
5074
5073
Stem radius (µm)
Phase duration = 300
Amplitude = 2
Slope = 1e−04
06
12
18
00
06
Time (Hours)
2023−04−12 to 2023−04−12

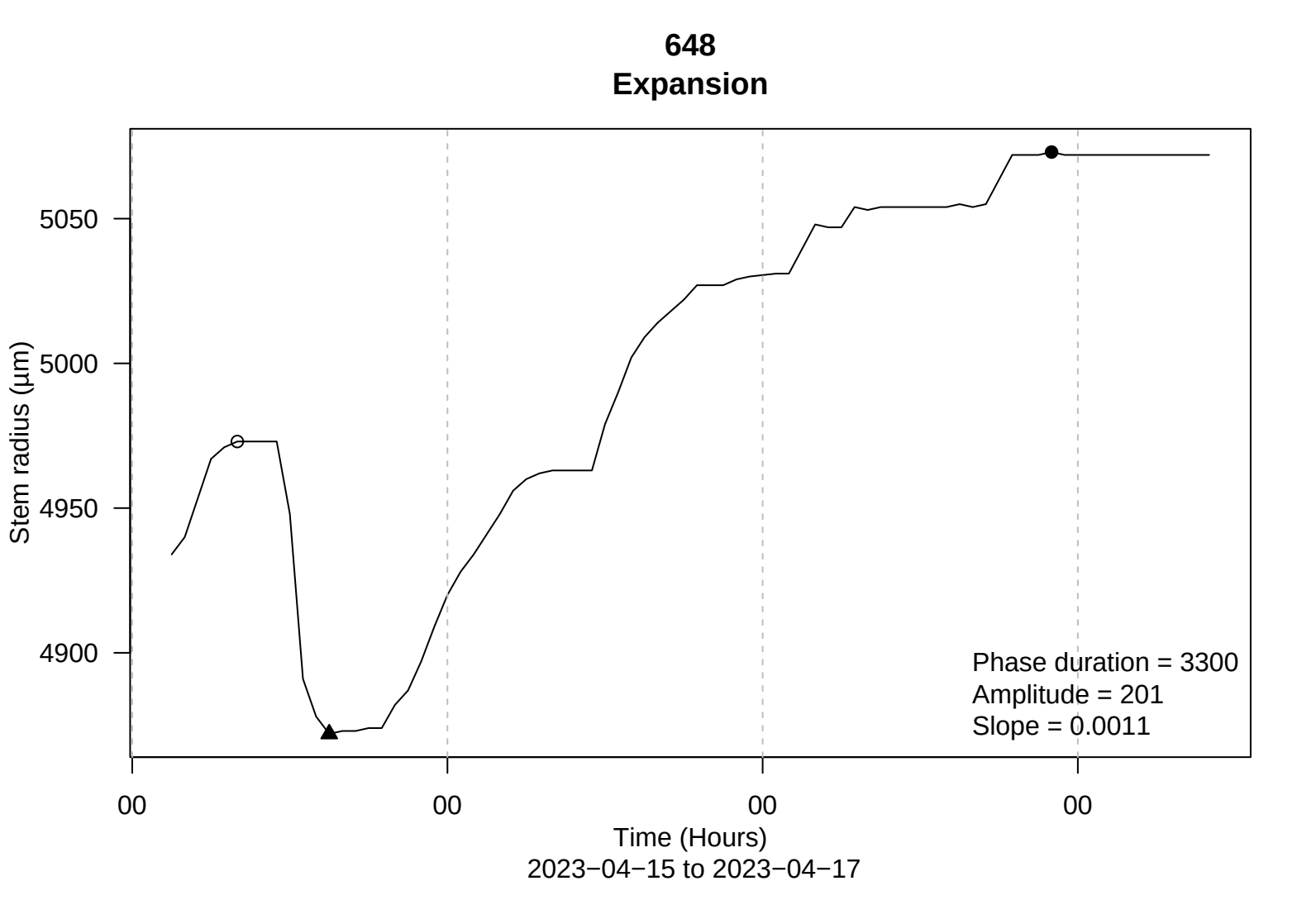

648
Shrinkage
5050
5000
4950
4900
4850
Stem radius (µm)
Phase duration = 1020
Amplitude = −244
Slope = −0.0031
12
00
12
00
Time (Hours)
2023−04−12 to 2023−04−13

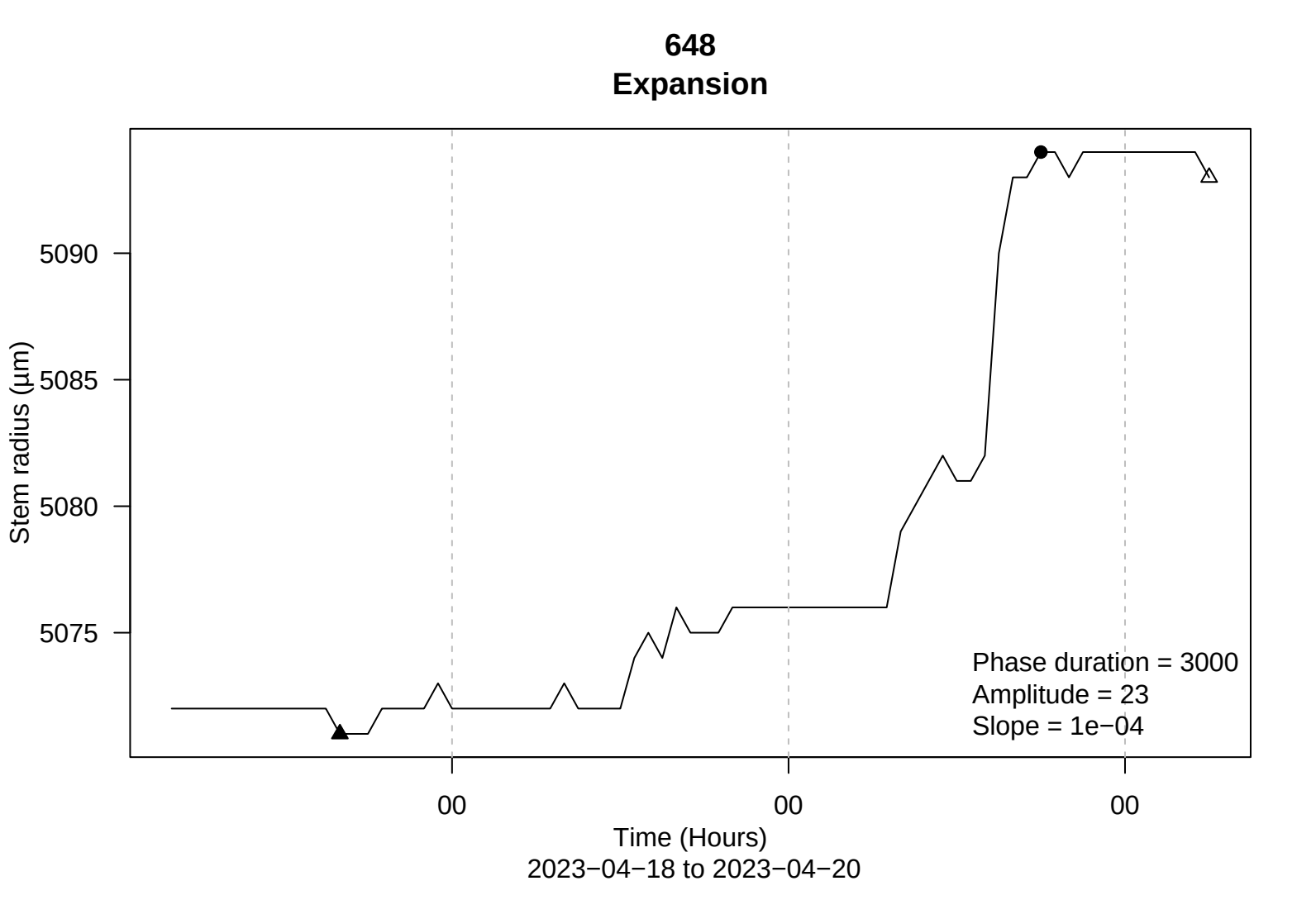

648
Expansion
5050
5000
4950
4900
4850
Stem radius (µm)
12
00
12
Time (Hours)
2023−04−13 to 2023−04−14
Phase duration = 1080
Amplitude = 137
Slope = 0.0024

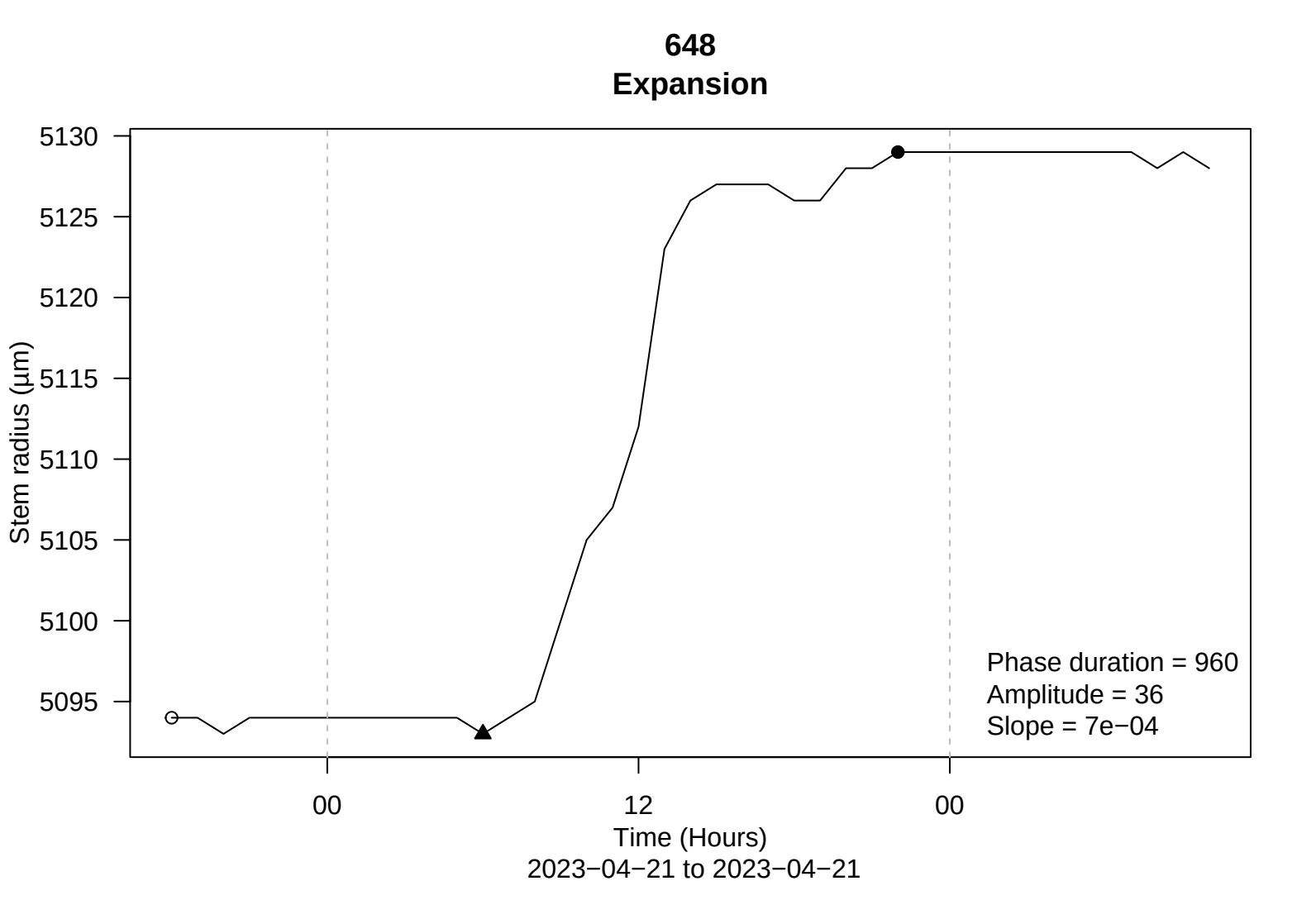

648
Shrinkage
4960
4940
4920
4900
4880
4860
Stem radius (µm)
Phase duration = 480
Amplitude = −111
Slope = −0.0047
00
12
00
Time (Hours)
2023−04−14 to 2023−04−14

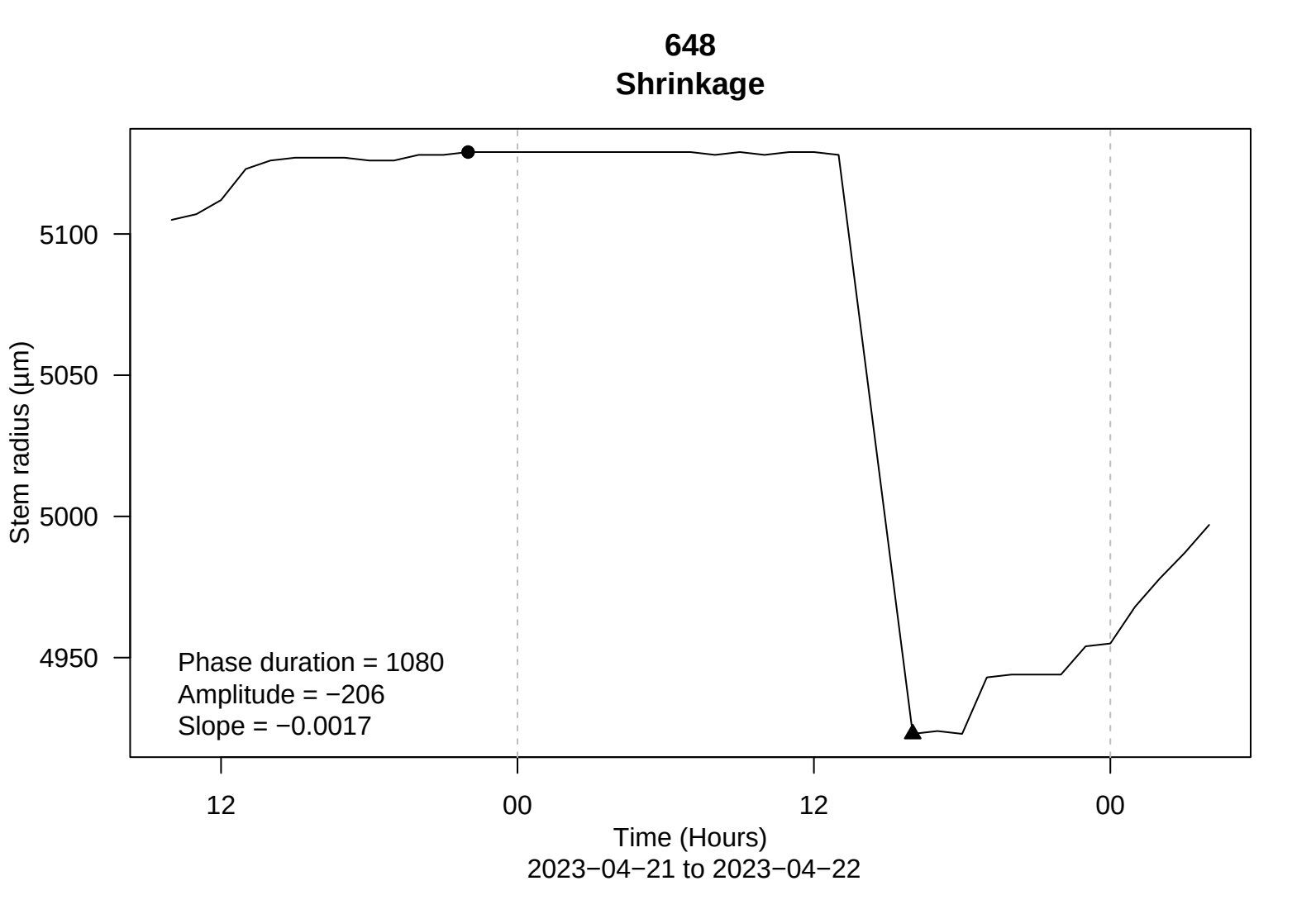

648
Expansion
4960
4940
4920
4900
4880
4860
Stem radius (µm)
12
00
12
Time (Hours)
2023−04−14 to 2023−04−15
Phase duration = 900
Amplitude = 111
Slope = 0.0023

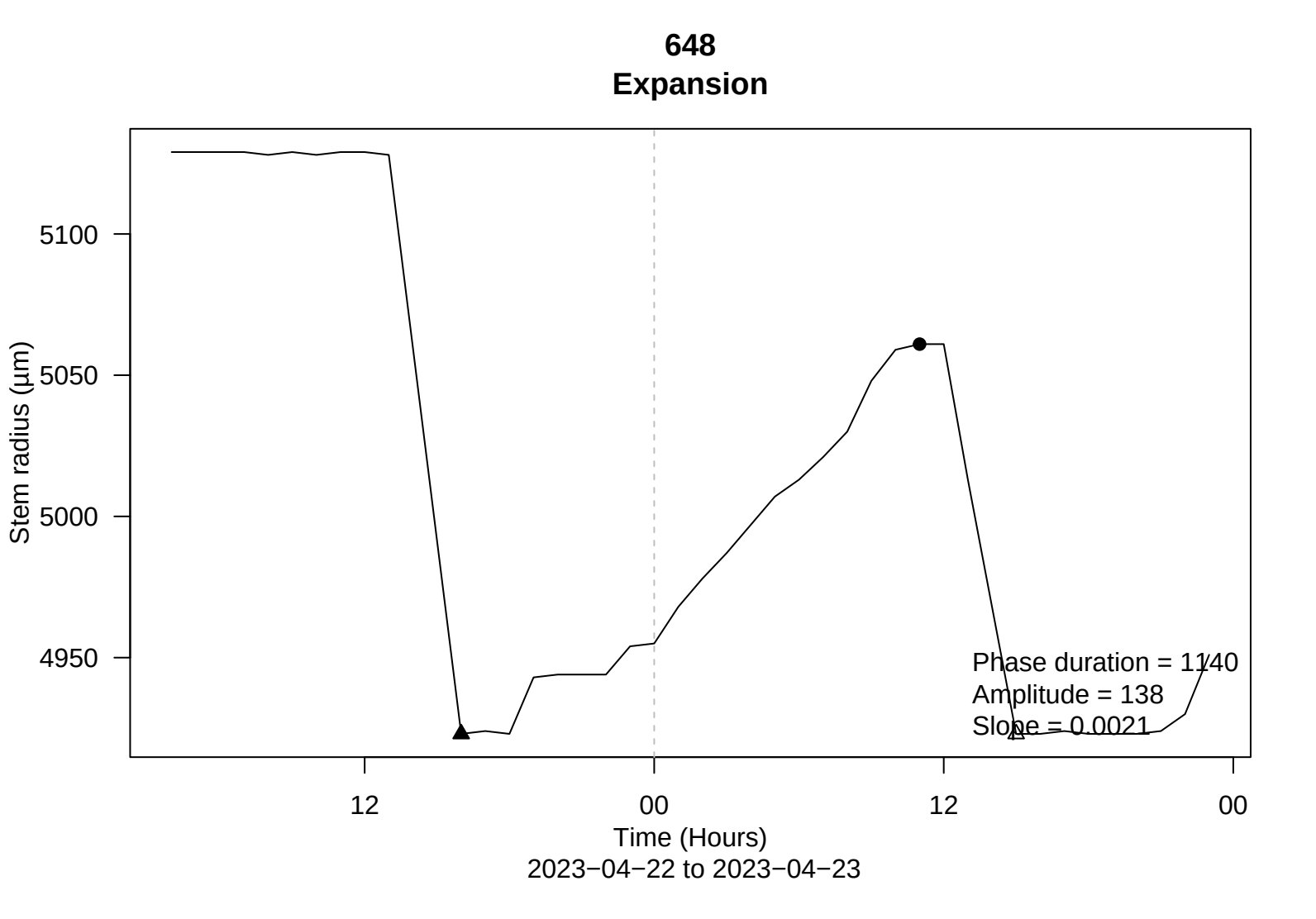

648
Shrinkage
4960
4940
4920
4900
4880
Stem radius (µm)
Phase duration = 420
Amplitude = −101
Slope = −0.0048
00
06
12
18
00
Time (Hours)
2023−04−15 to 2023−04−15

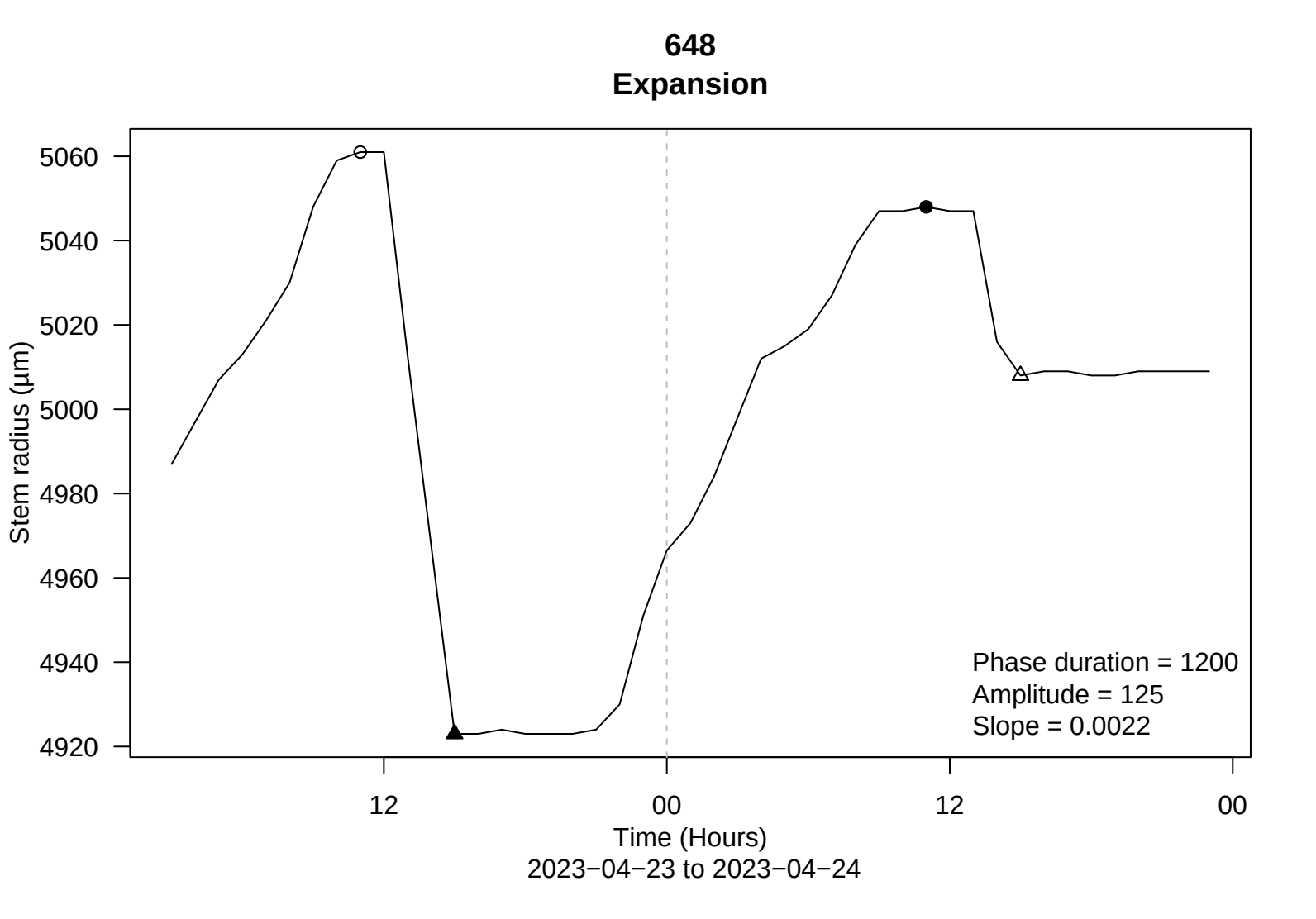

648
Expansion
5050
5000
4950
4900
Stem radius (µm)
Phase duration = 3300
Amplitude = 201
Slope = 0.0011
00
00
00
00
Time (Hours)
2023−04−15 to 2023−04−17

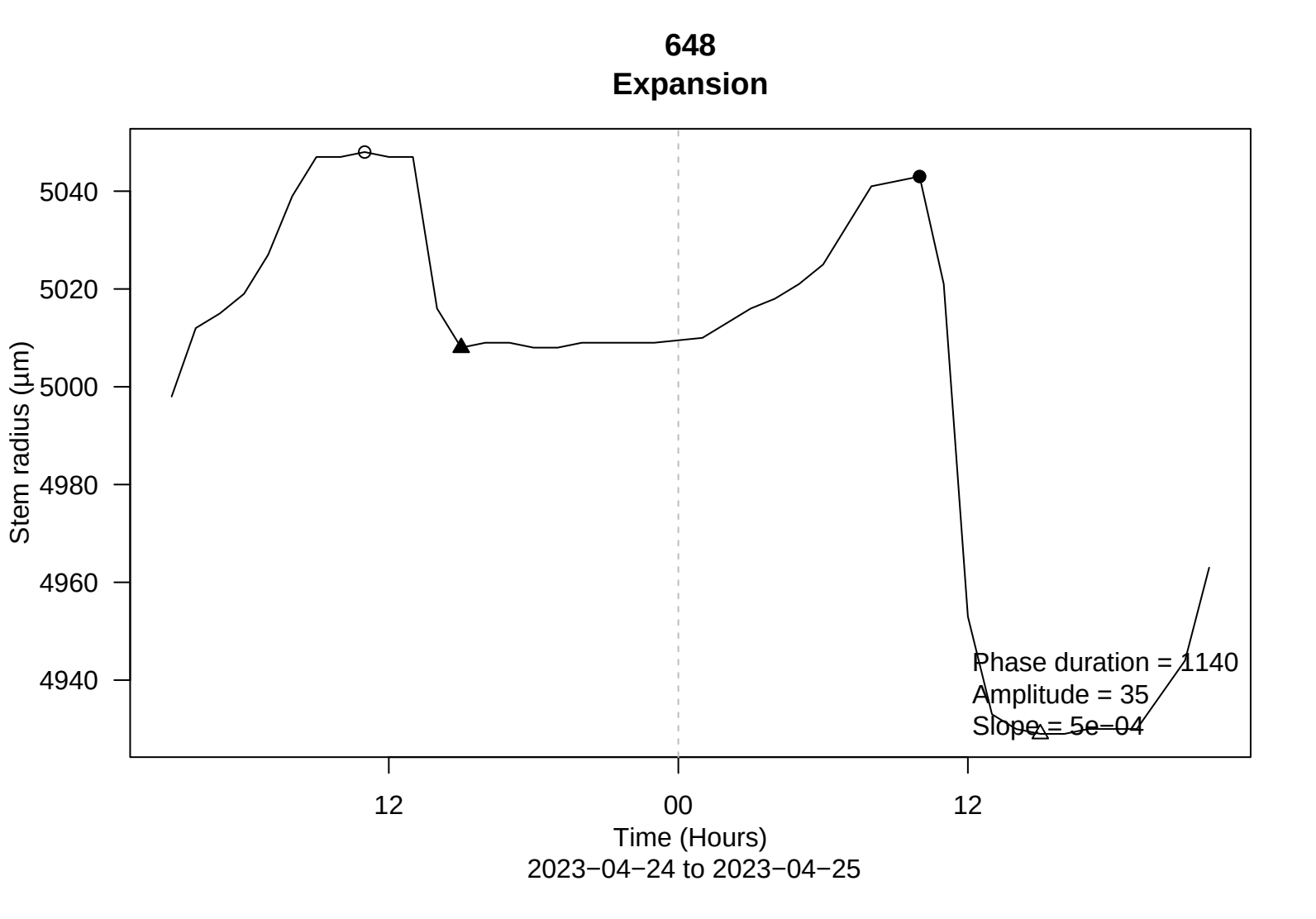

648
Expansion
5090
5085
5080
5075
Stem radius (µm)
Phase duration = 3000
Amplitude = 23
Slope = 1e−04
00
00
00
Time (Hours)
2023−04−18 to 2023−04−20

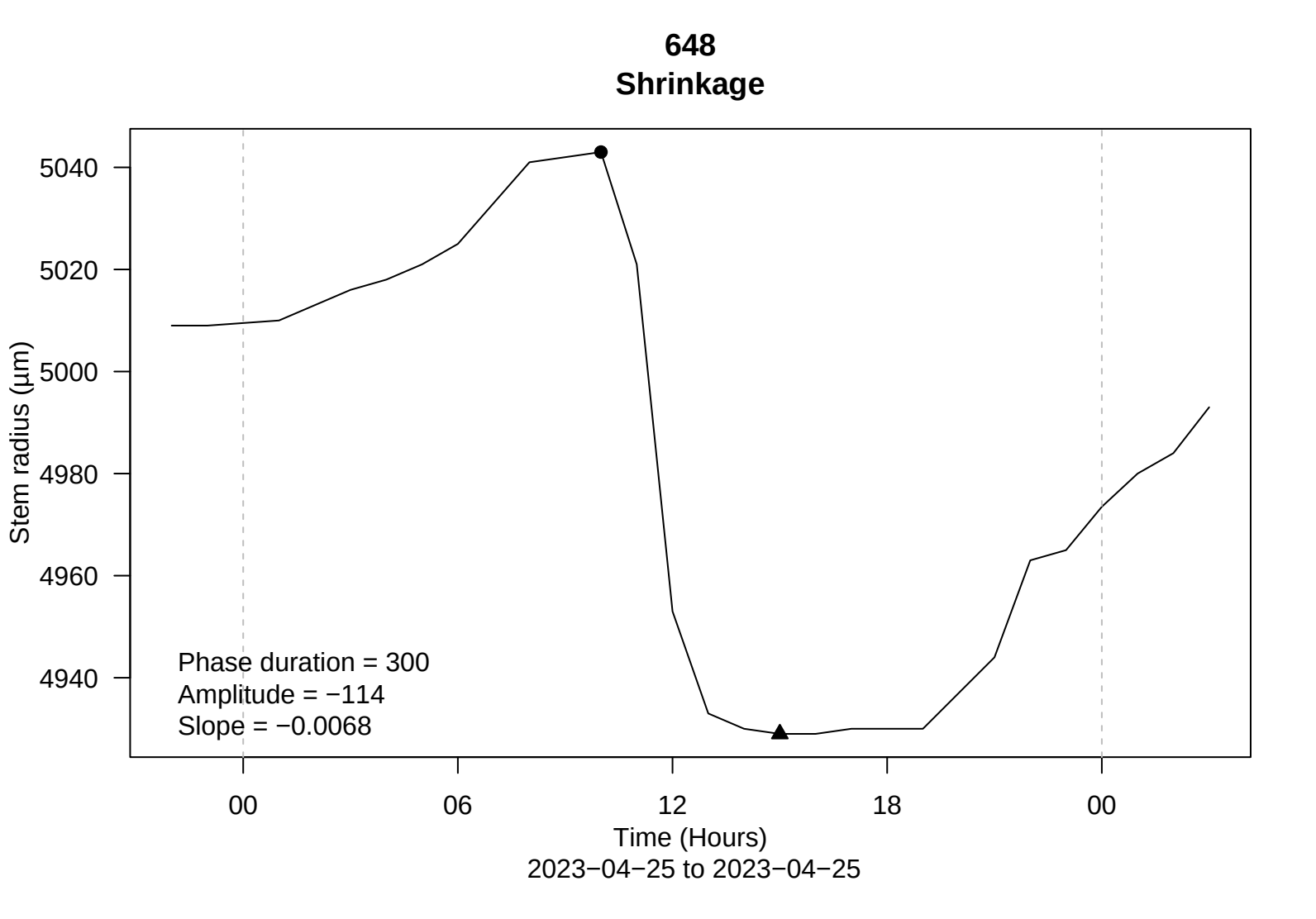

648
Expansion
5130
5125
5120
5115
5110
5105
5100
5095
Stem radius (µm)
Phase duration = 960
Amplitude = 36
Slope = 7e−04
00
12
00
Time (Hours)
2023−04−21 to 2023−04−21

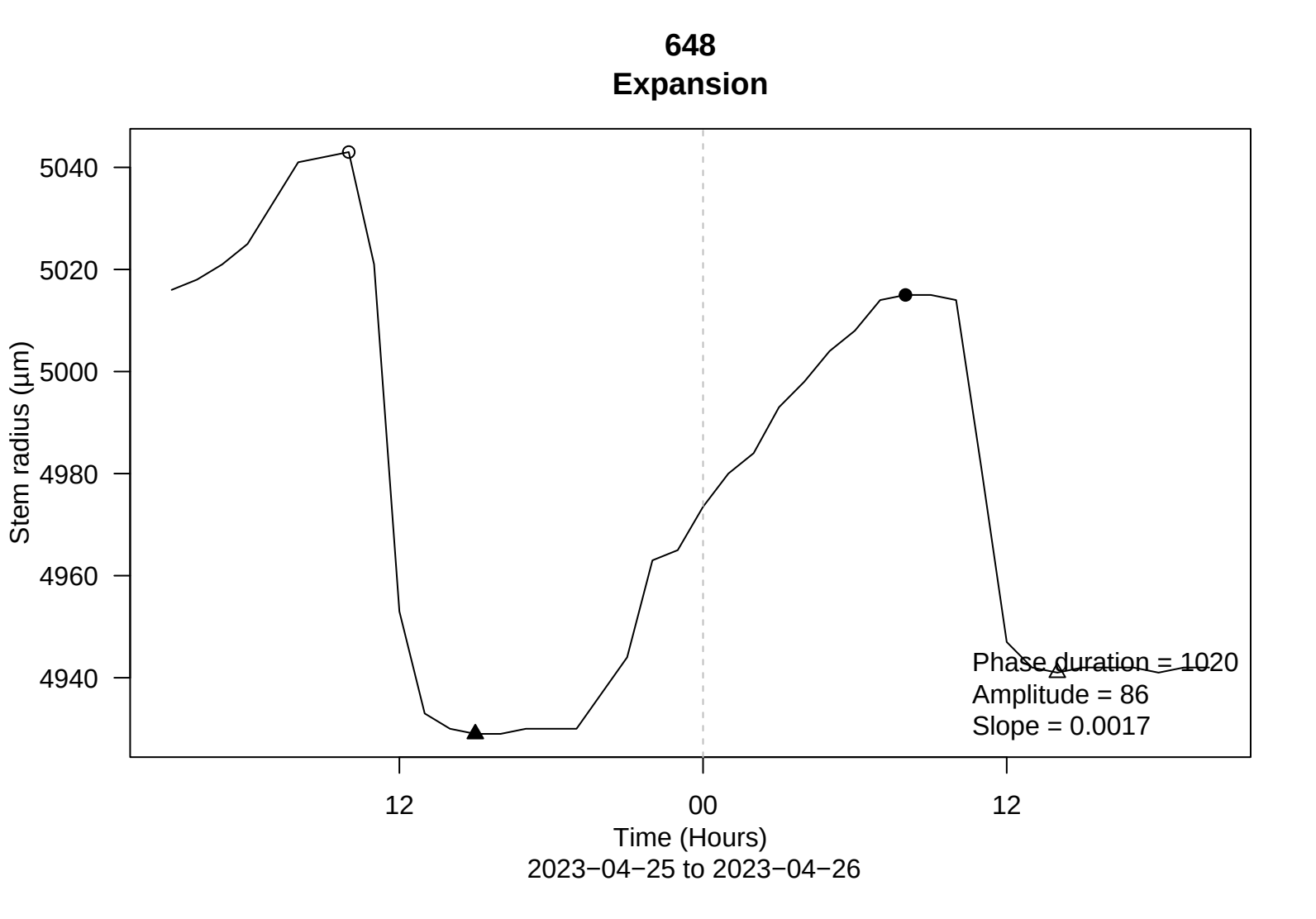

648
Shrinkage
5100
5050
5000
4950
Stem radius (µm)
Phase duration = 1080
Amplitude = −206
Slope = −0.0017
12
00
12
00
Time (Hours)
2023−04−21 to 2023−04−22

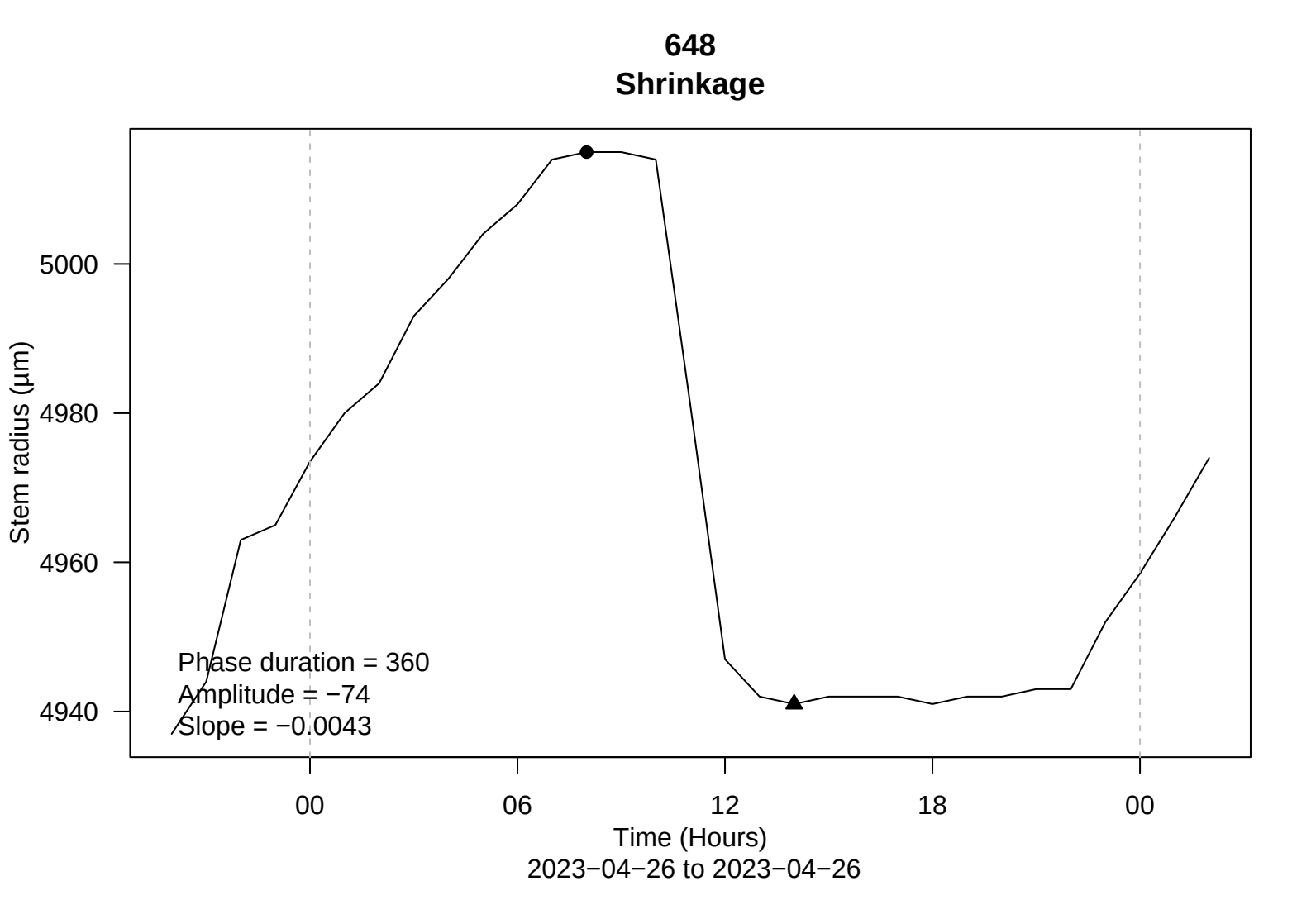

648
Expansion
5100
5050
5000
4950
Stem radius (µm)
Phase duration = 1140
Amplitude = 138
Slope = 0.0021
12
00
12
00
Time (Hours)
2023−04−22 to 2023−04−23

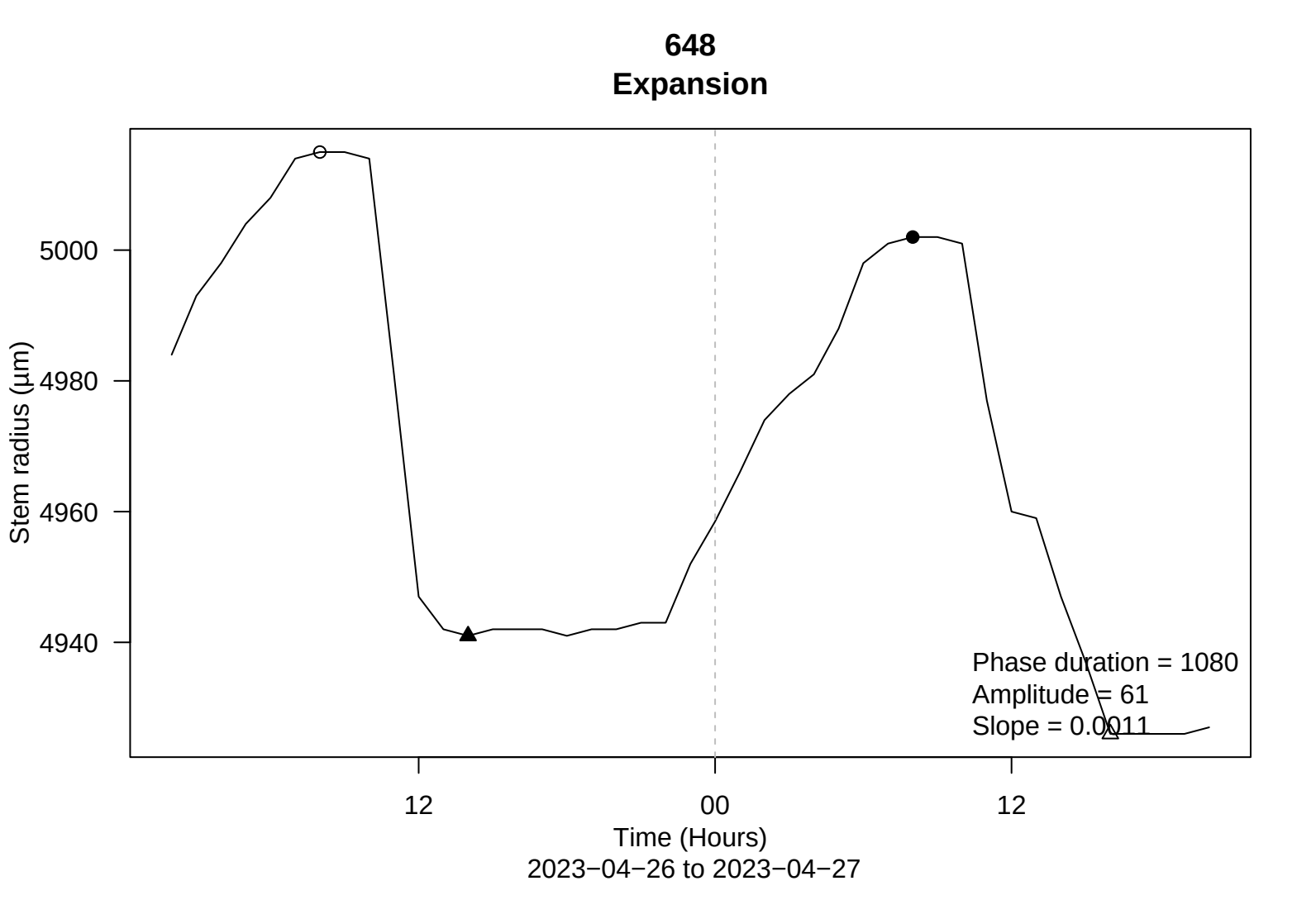

648
Expansion
5060
5040
5020
5000
4980
4960
4940
4920
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−04−23 to 2023−04−24
Phase duration = 1200
Amplitude = 125
Slope = 0.0022

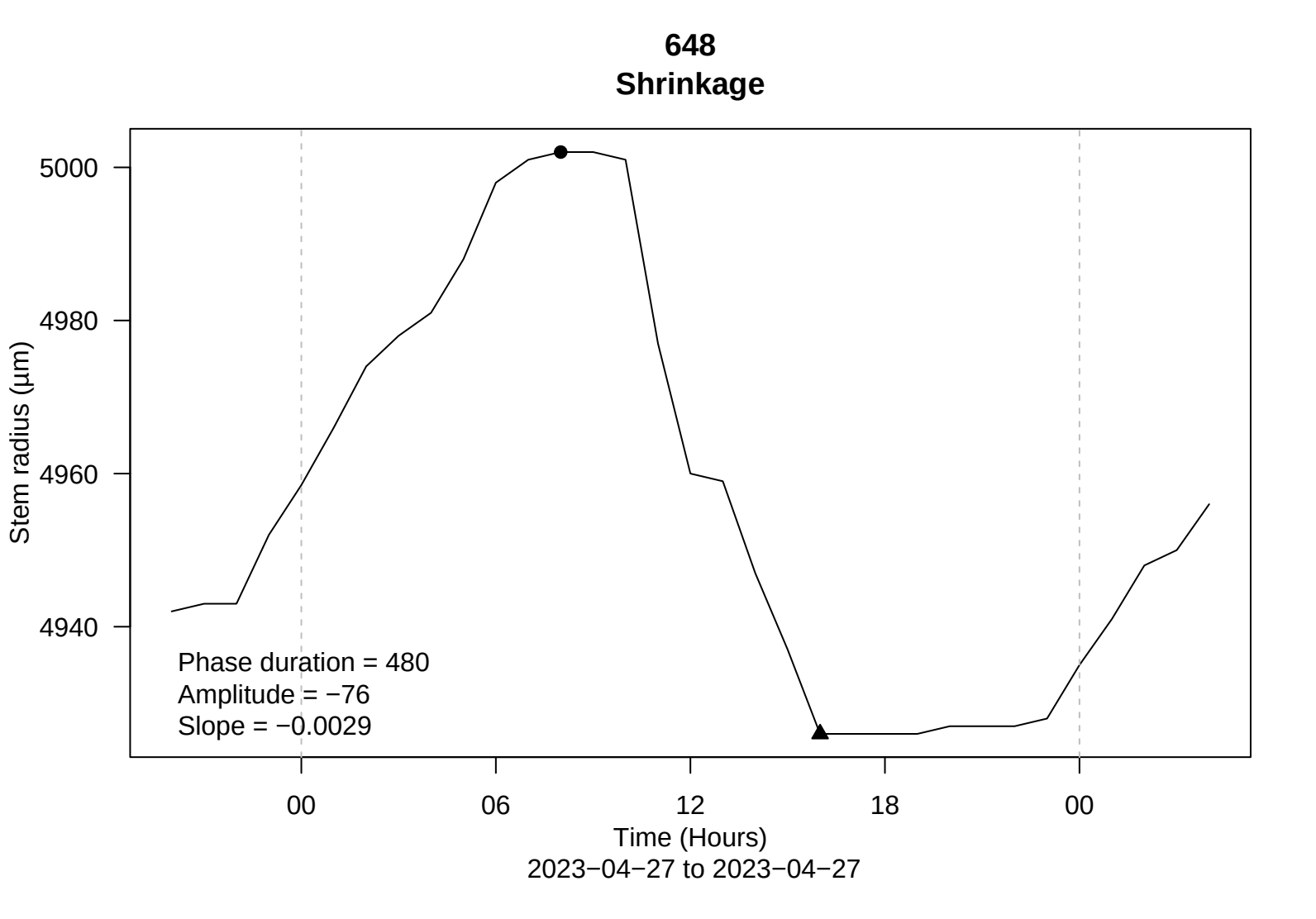

648
Expansion
5040
5020
5000
4980
4960
4940
Stem radius (µm)
Phase duration = 1140
Amplitude = 35
Slope = 5e−04
12
00
12
Time (Hours)
2023−04−24 to 2023−04−25

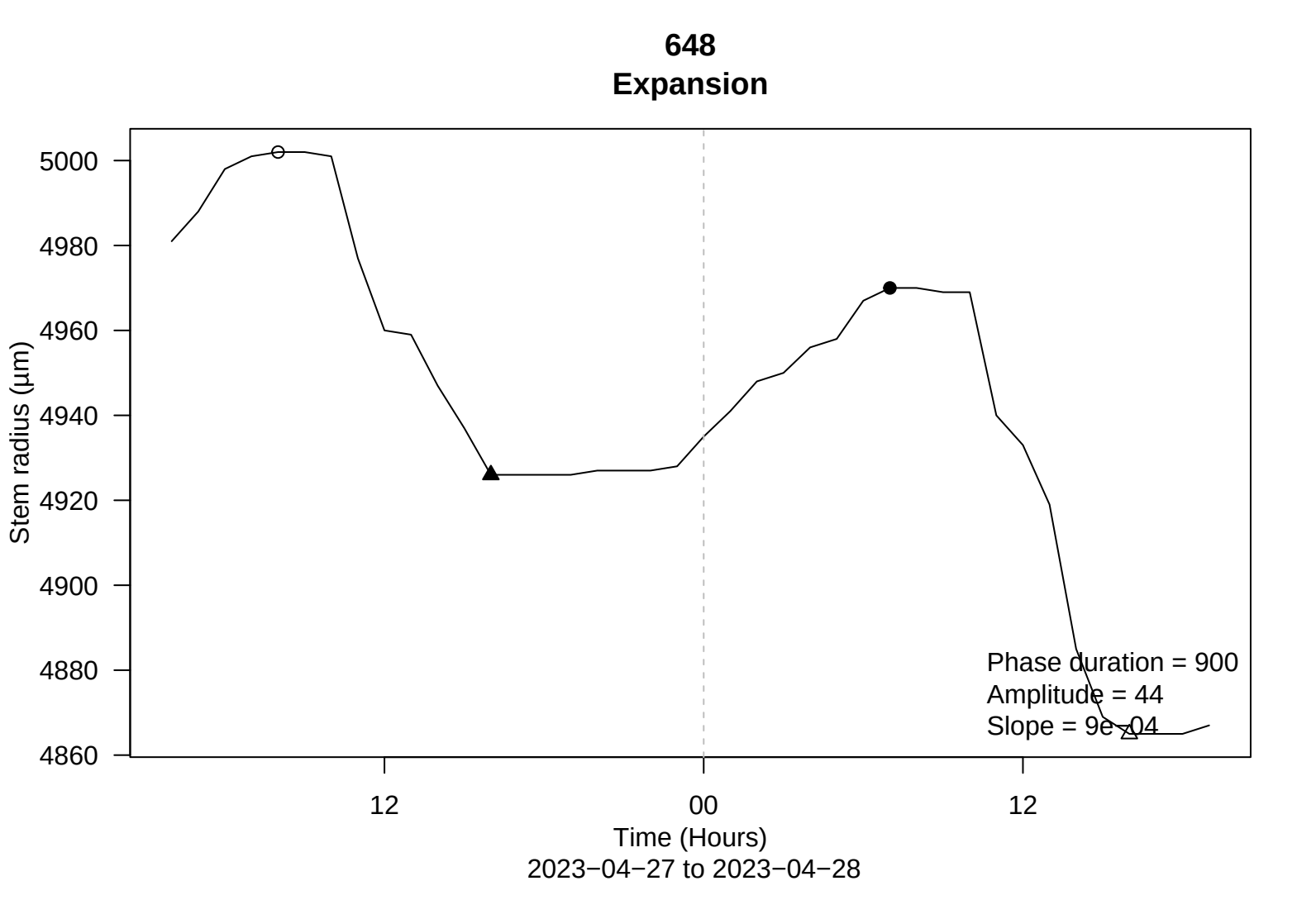

648
Shrinkage
5040
5020
5000
4980
4960
4940
Stem radius (µm)
Phase duration = 300
Amplitude = −114
Slope = −0.0068
00
06
12
18
00
Time (Hours)
2023−04−25 to 2023−04−25

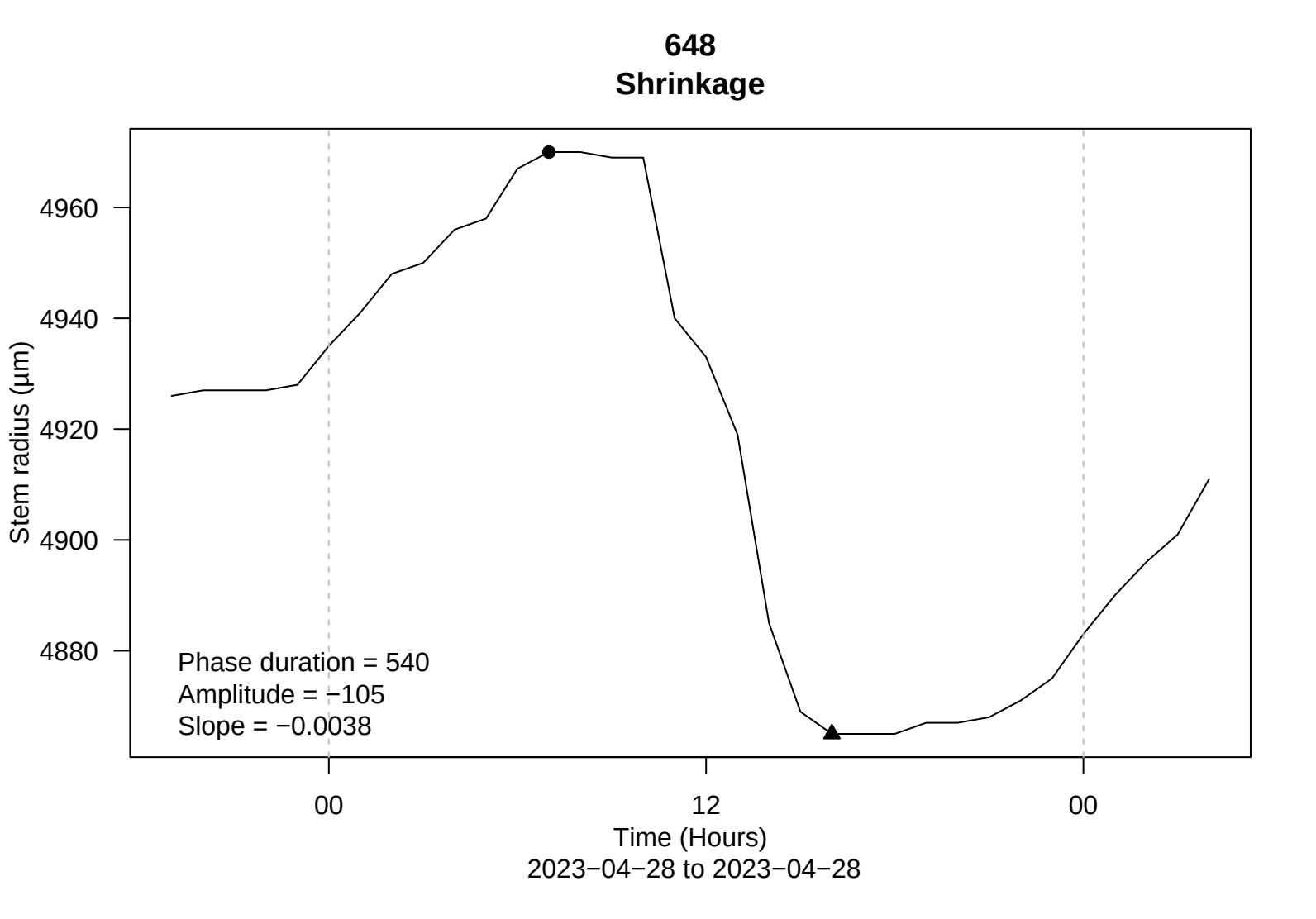

648
Expansion
5040
5020
5000
4980
4960
4940
Stem radius (µm)
Phase duration = 1020
Amplitude = 86
Slope = 0.0017
12
00
12
Time (Hours)
2023−04−25 to 2023−04−26

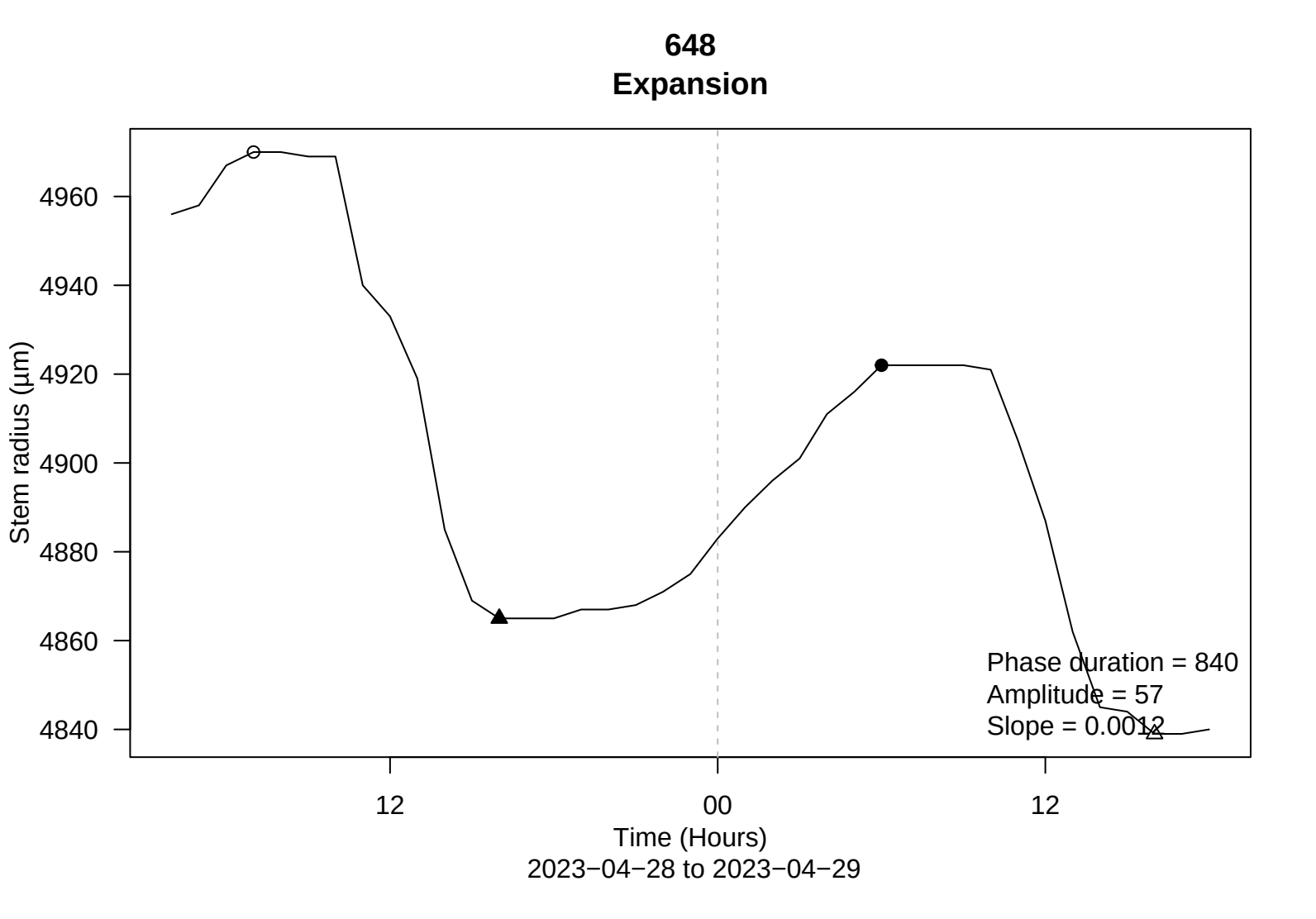

648
Shrinkage
Stem radius (µm)
5000
4980
4960
4940
Phase duration = 360
Amplitude = −74
Slope = −0.0043
00
06
12
18
00
Time (Hours)
2023−04−26 to 2023−04−26

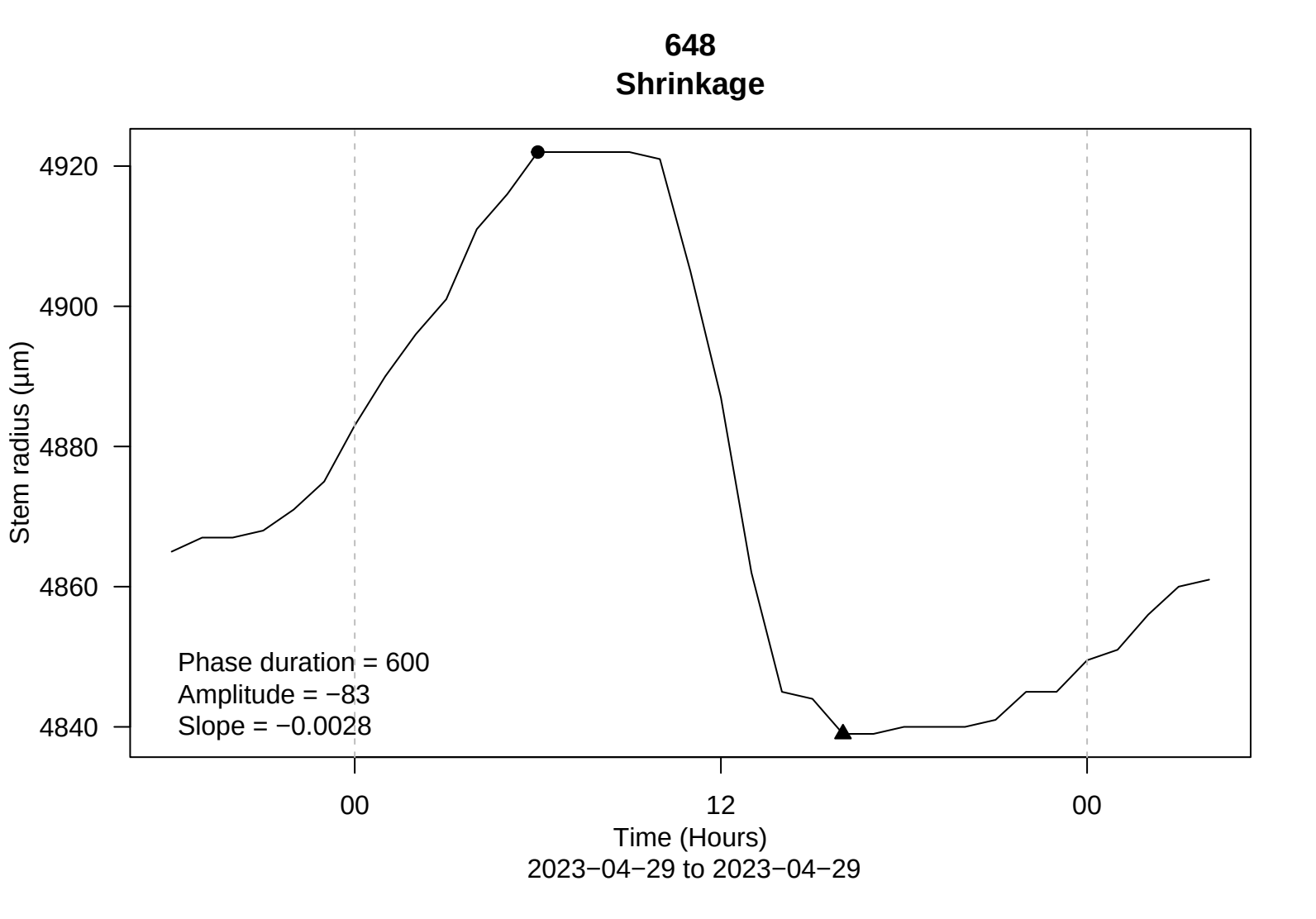

648
Expansion
5000
4980
4960
4940
Stem radius (µm)
Phase duration = 1080
Amplitude = 61
Slope = 0.0011
12
00
12
Time (Hours)
2023−04−26 to 2023−04−27

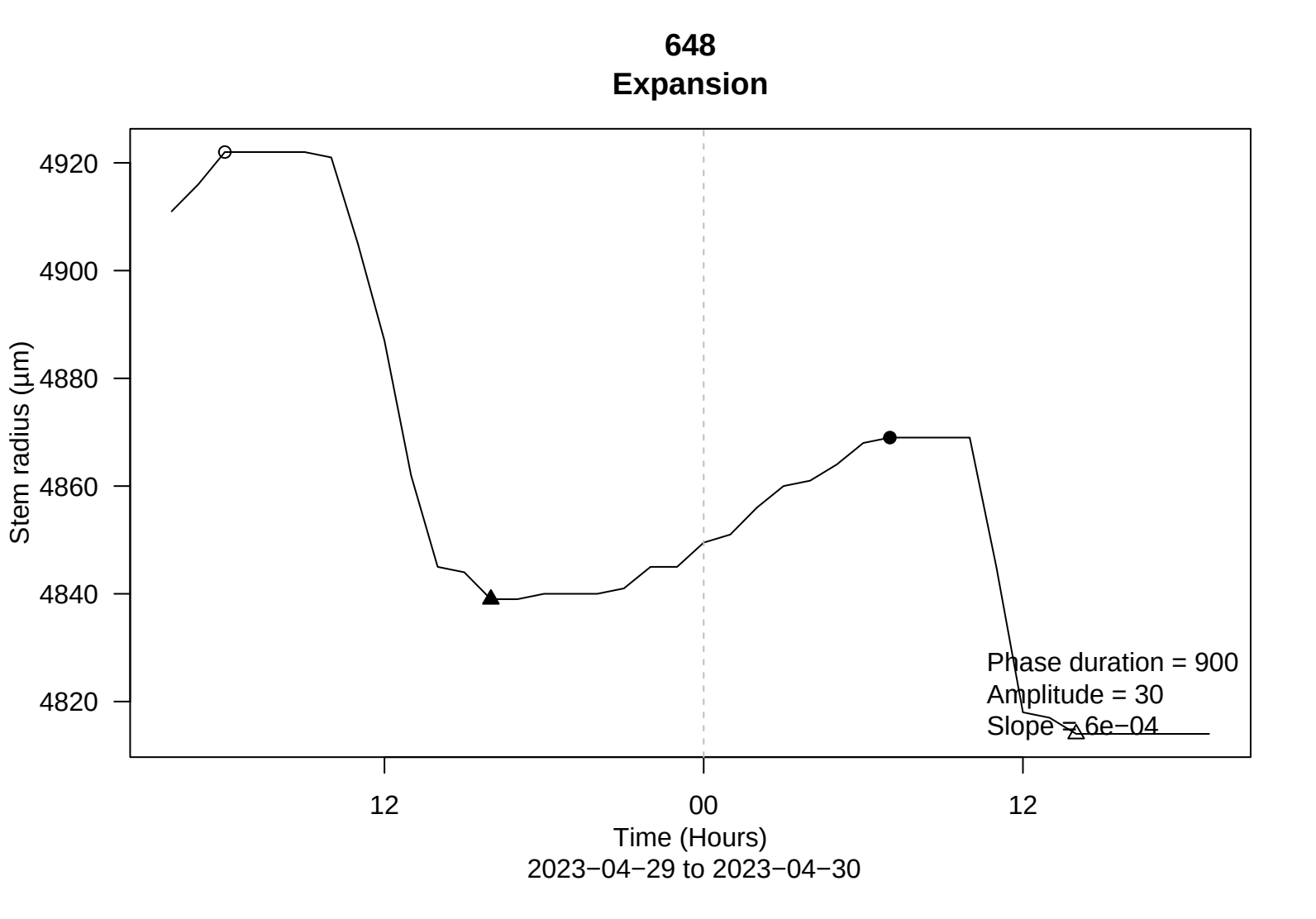

648
Shrinkage
5000
4980
4960
4940
Stem radius (µm)
Phase duration = 480
Amplitude = −76
Slope = −0.0029
00
06
12
18
00
Time (Hours)
2023−04−27 to 2023−04−27

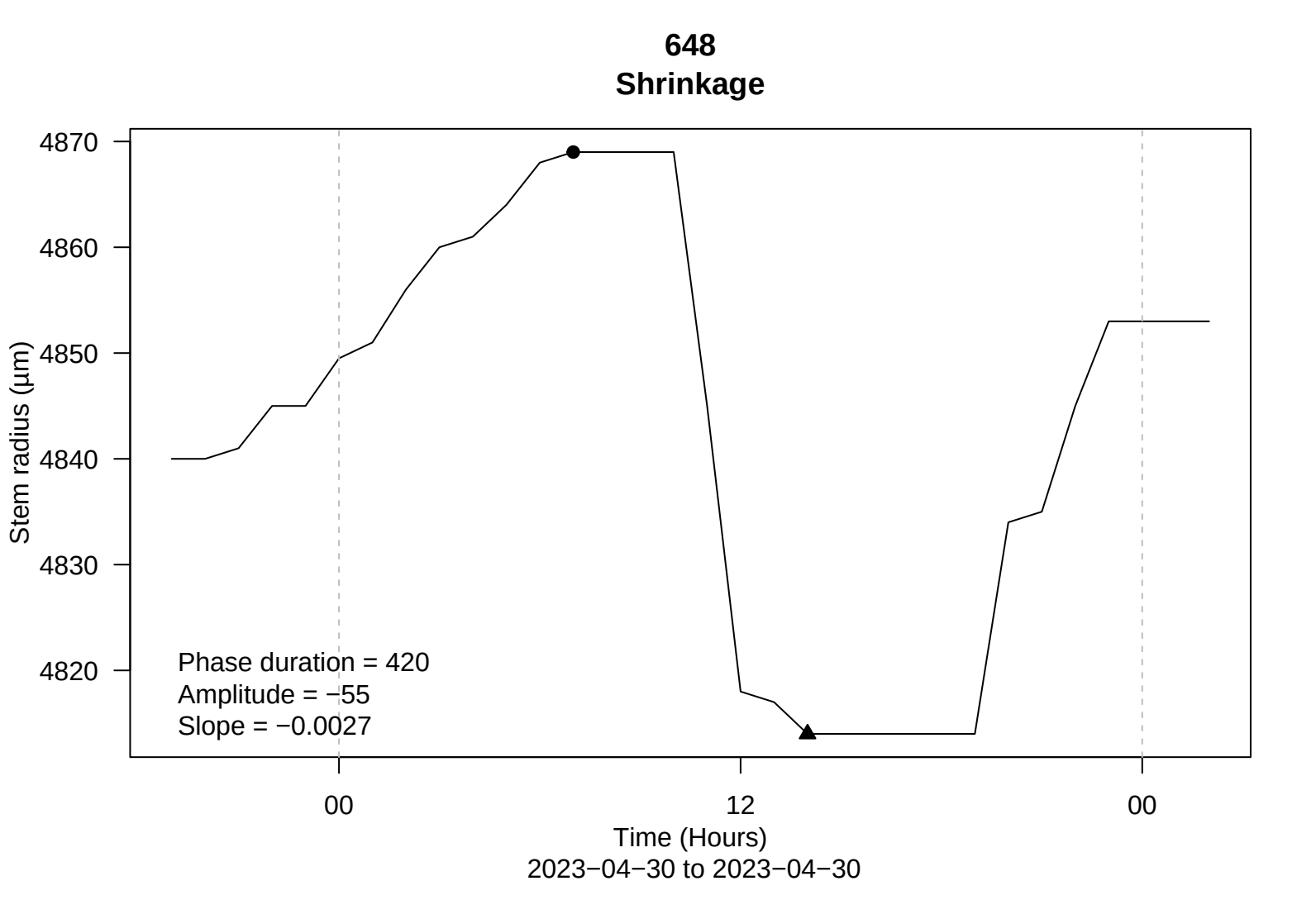

648
Expansion
5000
4980
4960
4940
4920
4900
4880
4860
Stem radius (µm)
12
00
12
Time (Hours)
2023−04−27 to 2023−04−28
Phase duration = 900
Amplitude = 44
Slope = 9e−04

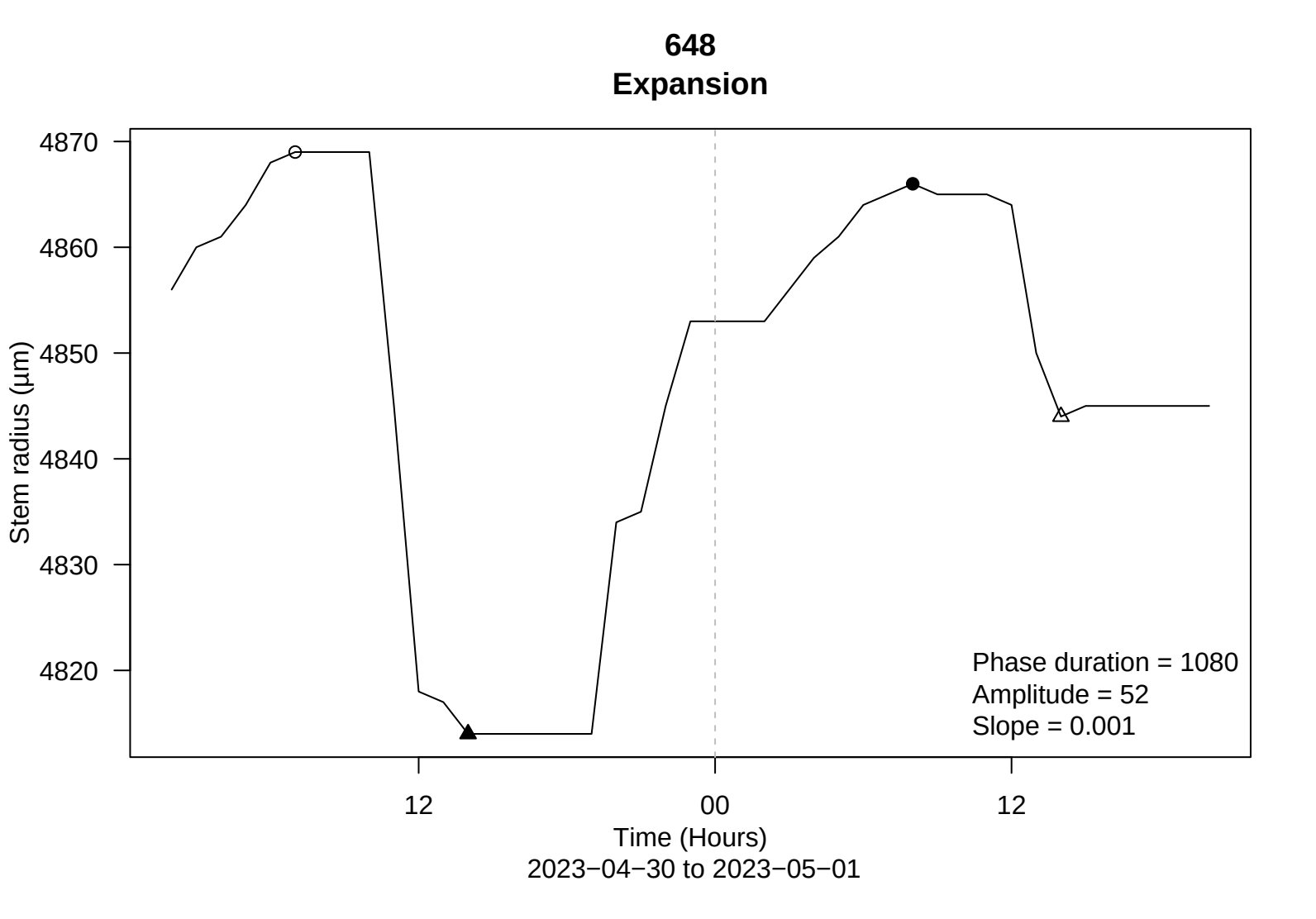

648
Shrinkage
4960
4940
4920
4900
4880
Stem radius (µm)
Phase duration = 540
Amplitude = −105
Slope = −0.0038
00
12
00
Time (Hours)
2023−04−28 to 2023−04−28

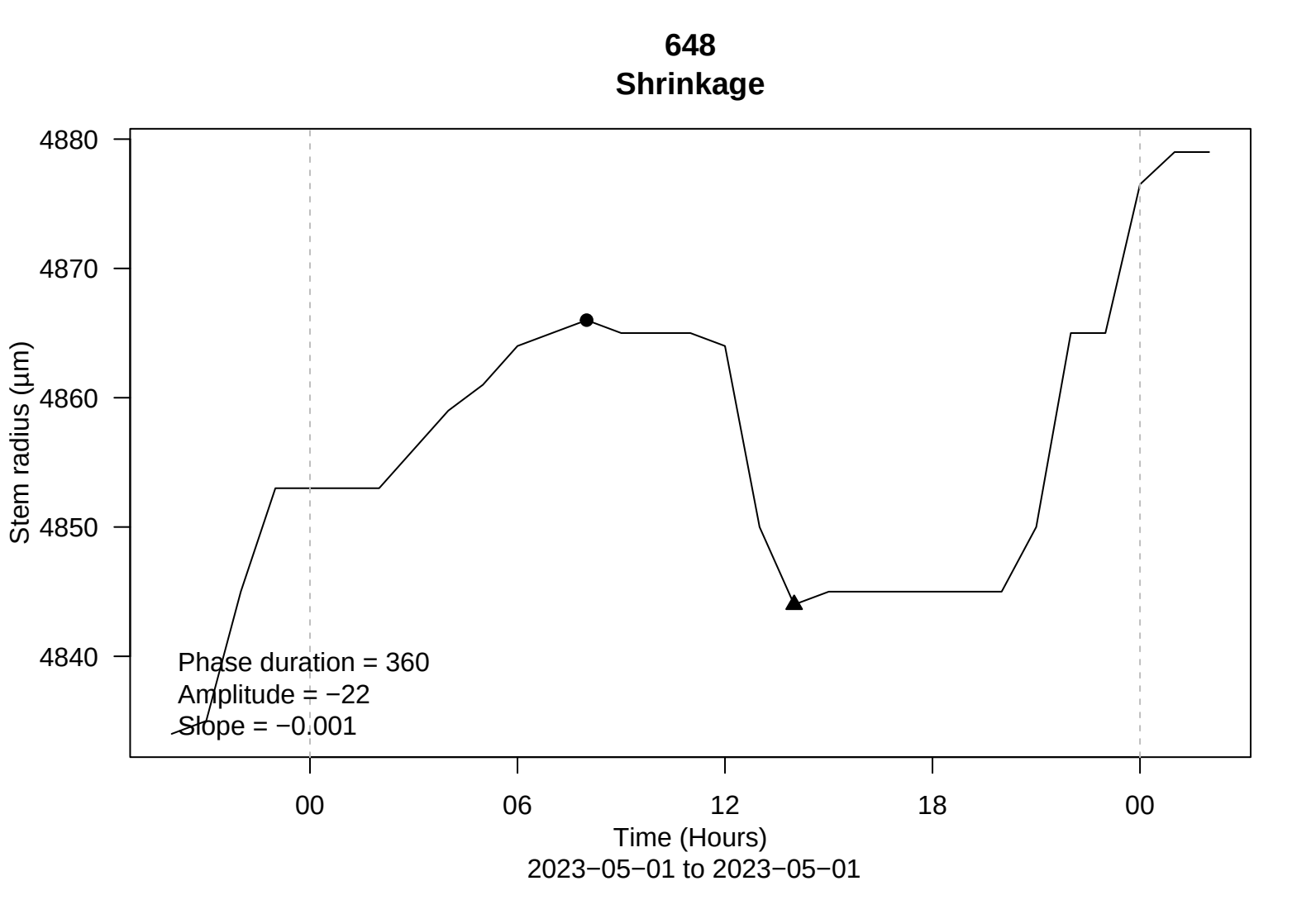

648
Expansion
4960
4940
4920
4900
4880
4860
4840
Stem radius (µm)
12
00
12
Time (Hours)
2023−04−28 to 2023−04−29
Phase duration = 840
Amplitude = 57
Slope = 0.0012

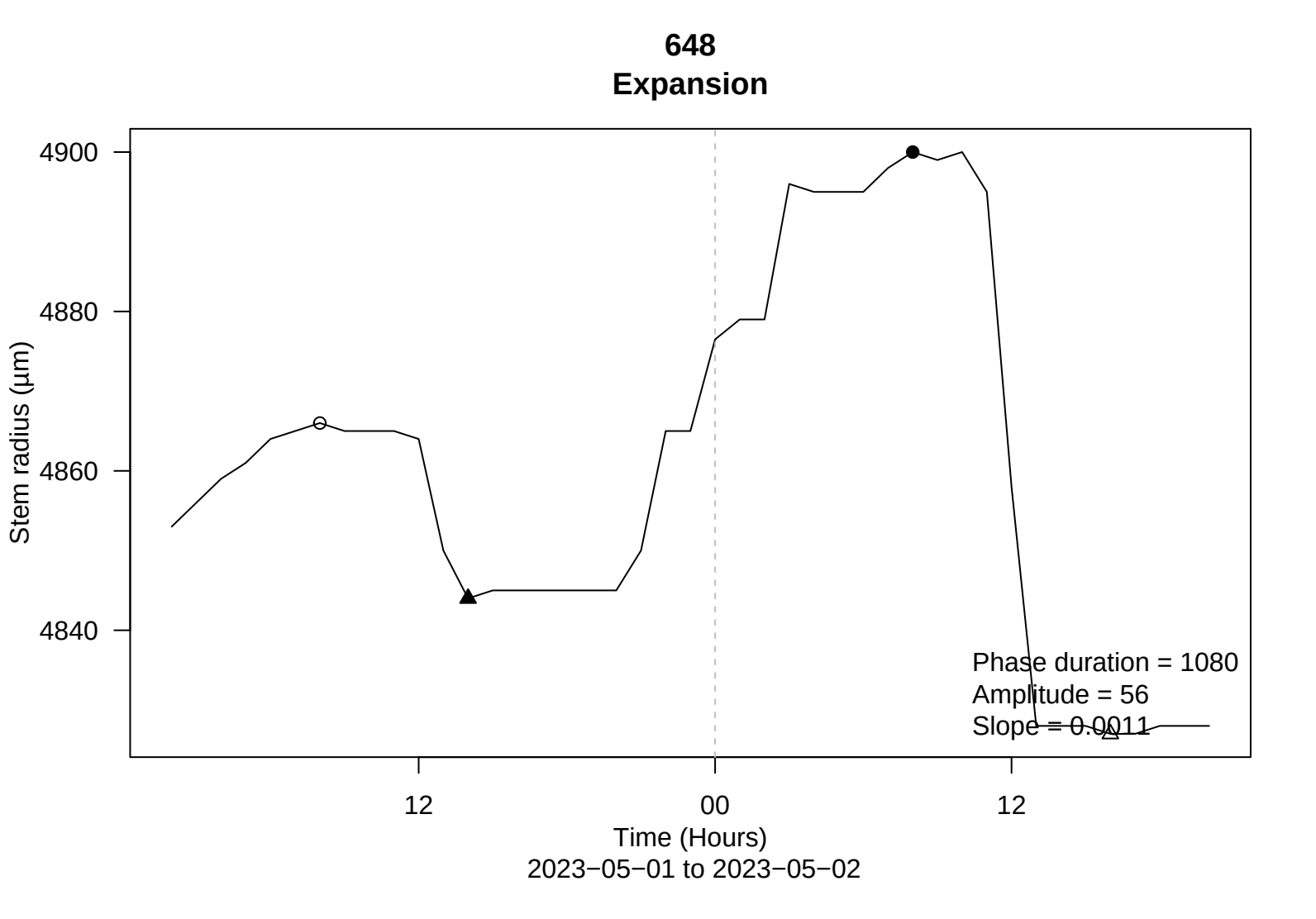

648
Shrinkage
4920
4900
4880
4860
4840
Stem radius (µm)
Phase duration = 600
Amplitude = −83
Slope = −0.0028
00
12
00
Time (Hours)
2023−04−29 to 2023−04−29

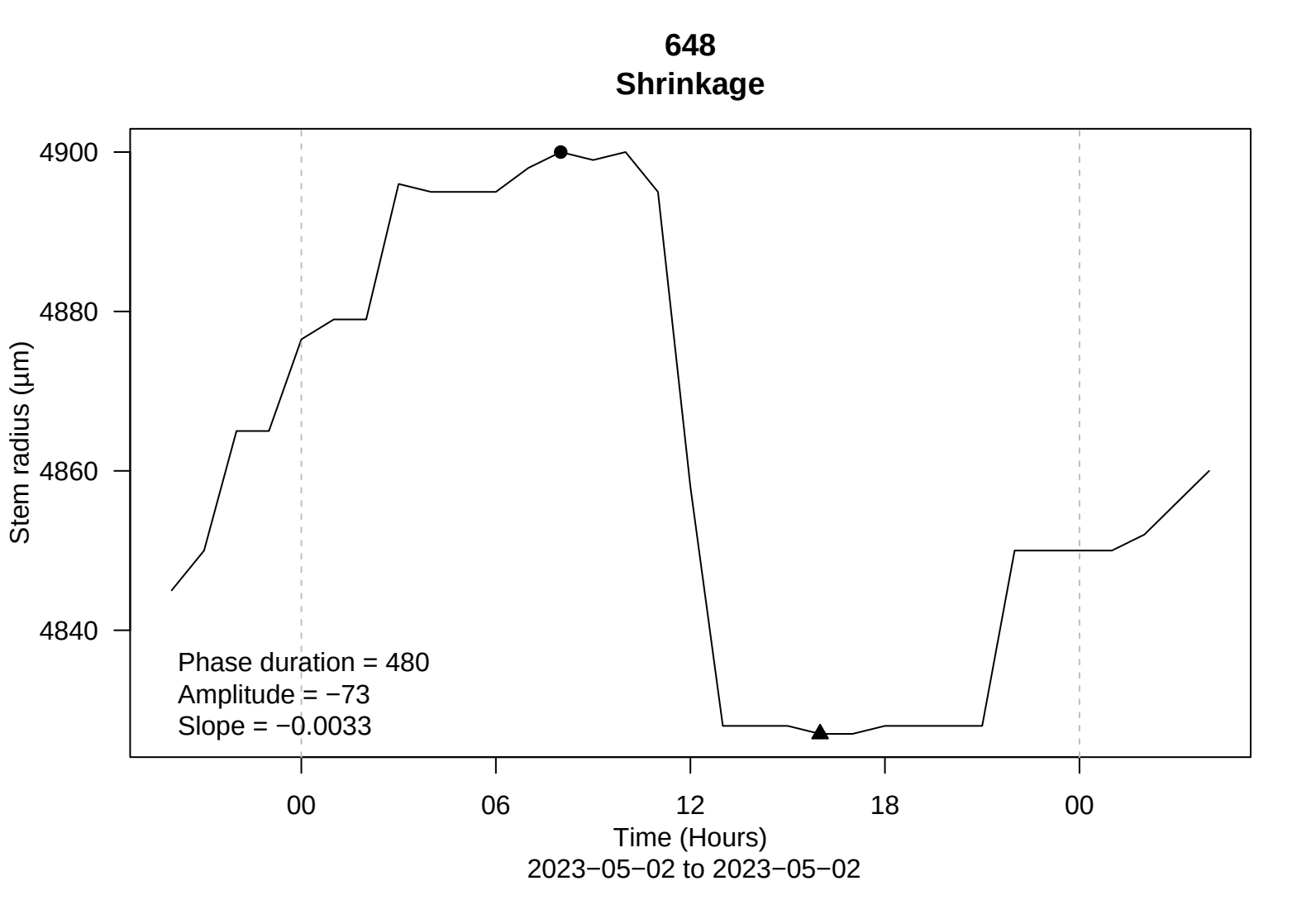

648
Expansion
4920
4900
4880
4860
4840
4820
Stem radius (µm)
Phase duration = 900
Amplitude = 30
Slope = 6e−04
12
00
12
Time (Hours)
2023−04−29 to 2023−04−30

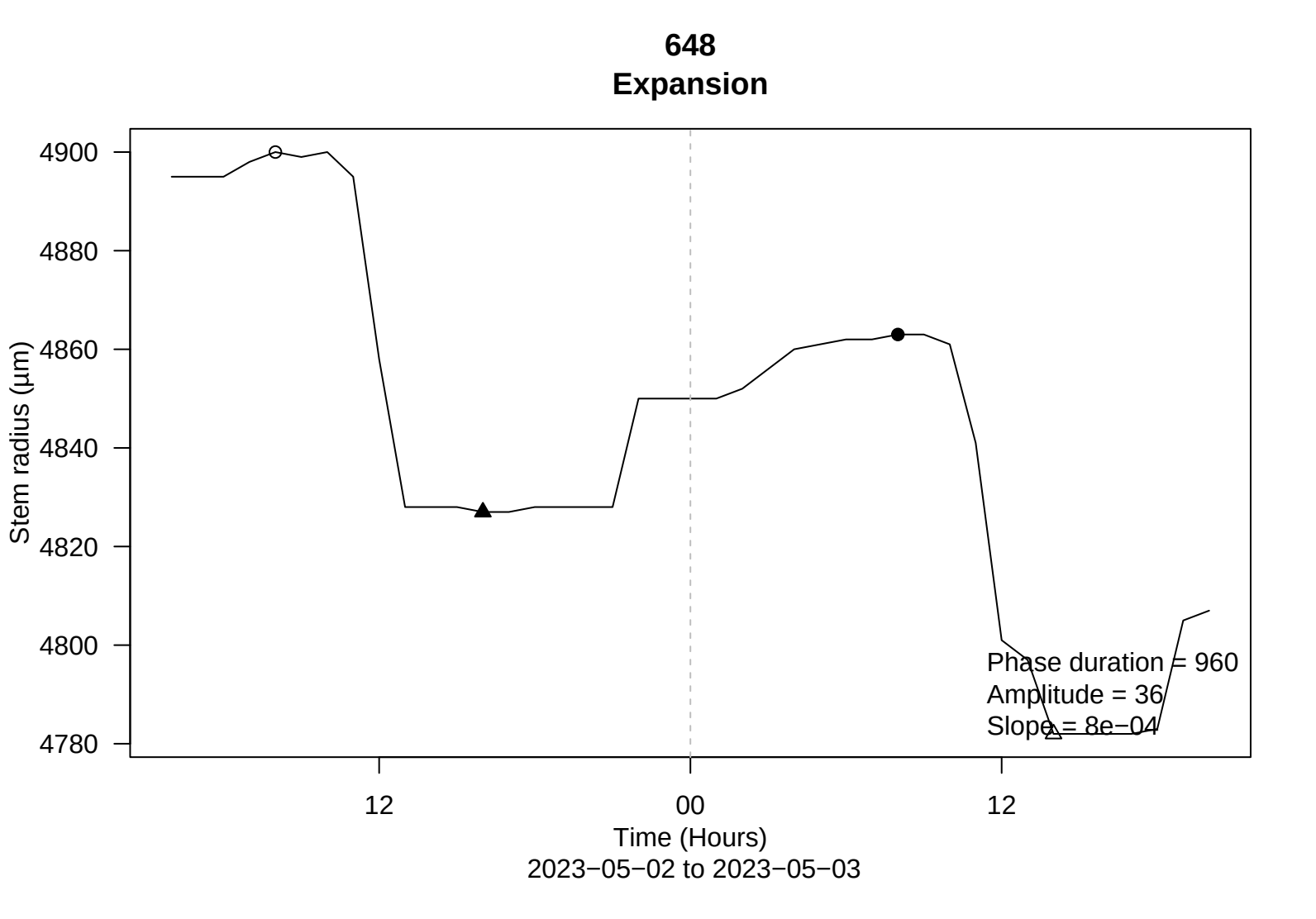

648
Shrinkage
4870
4860
4850
4840
4830
4820
Stem radius (µm)
Phase duration = 420
Amplitude = −55
Slope = −0.0027
00
12
00
Time (Hours)
2023−04−30 to 2023−04−30

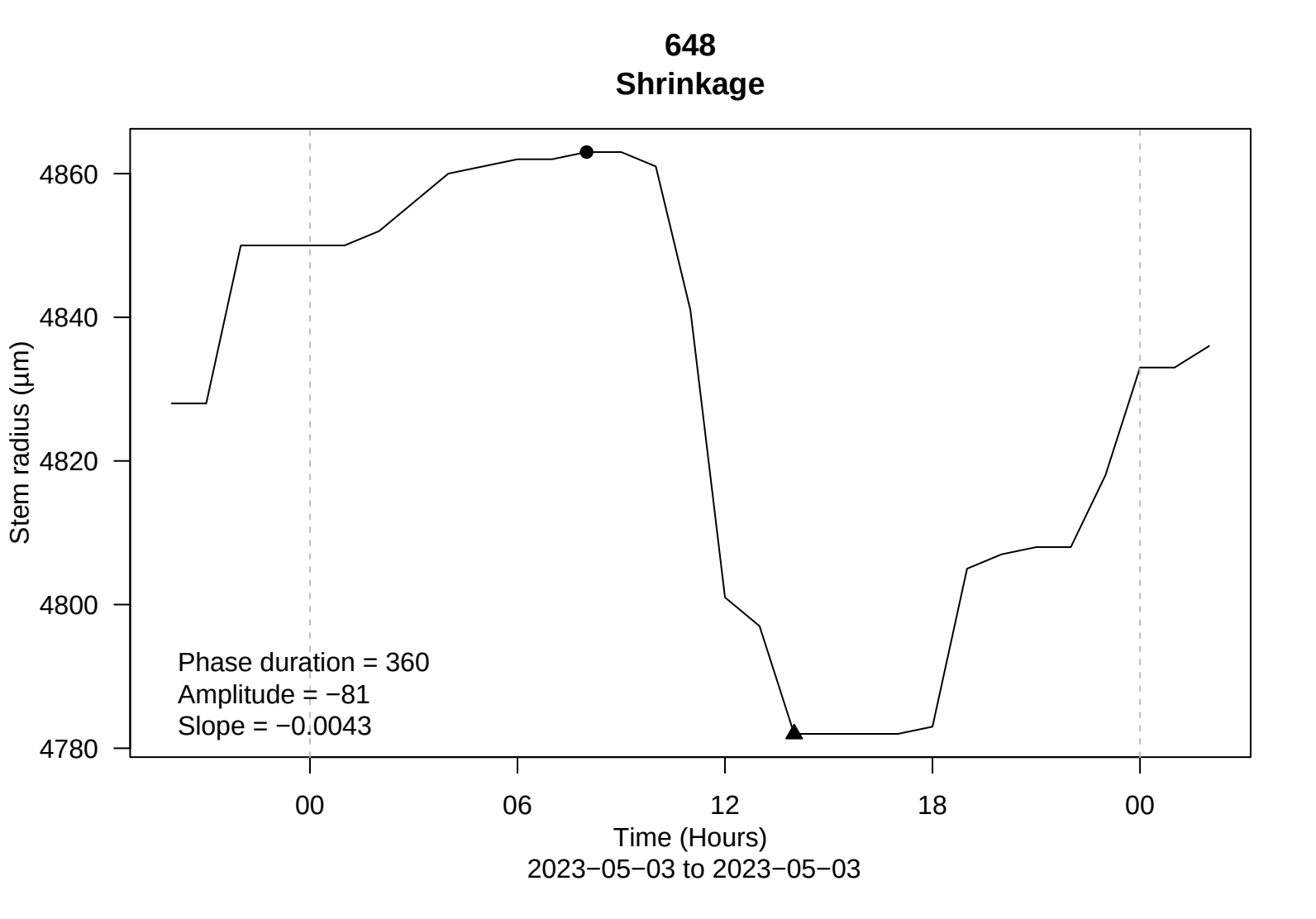

648
Expansion
4870
4860
4850
4840
4830
4820
Stem radius (µm)
Phase duration = 1080
Amplitude = 52
Slope = 0.001
12
00
12
Time (Hours)
2023−04−30 to 2023−05−01

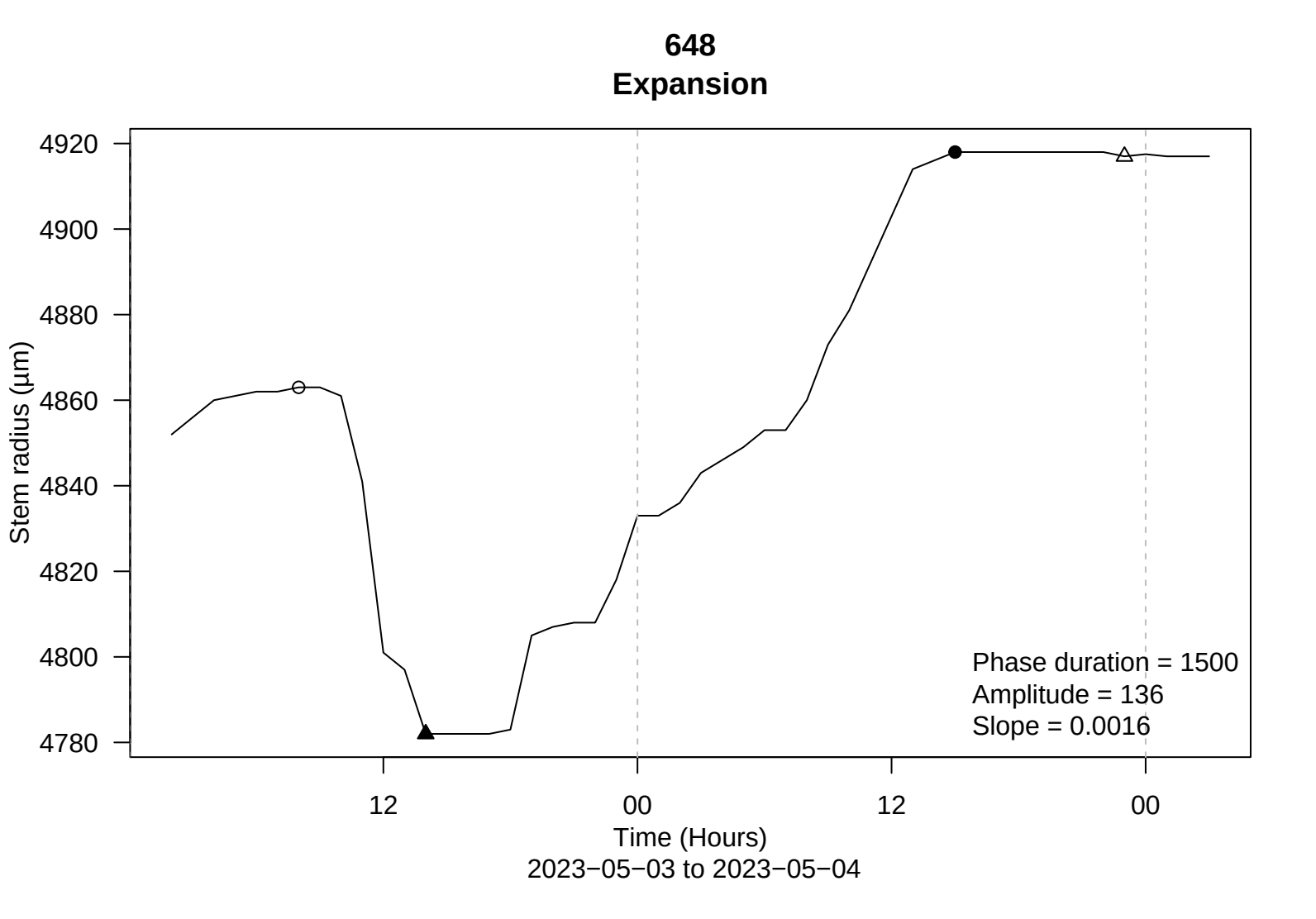

648
Shrinkage
4880
4870
4860
4850
4840
Stem radius (µm)
Phase duration = 360
Amplitude = −22
Slope = −0.001
00
06
12
18
00
Time (Hours)
2023−05−01 to 2023−05−01

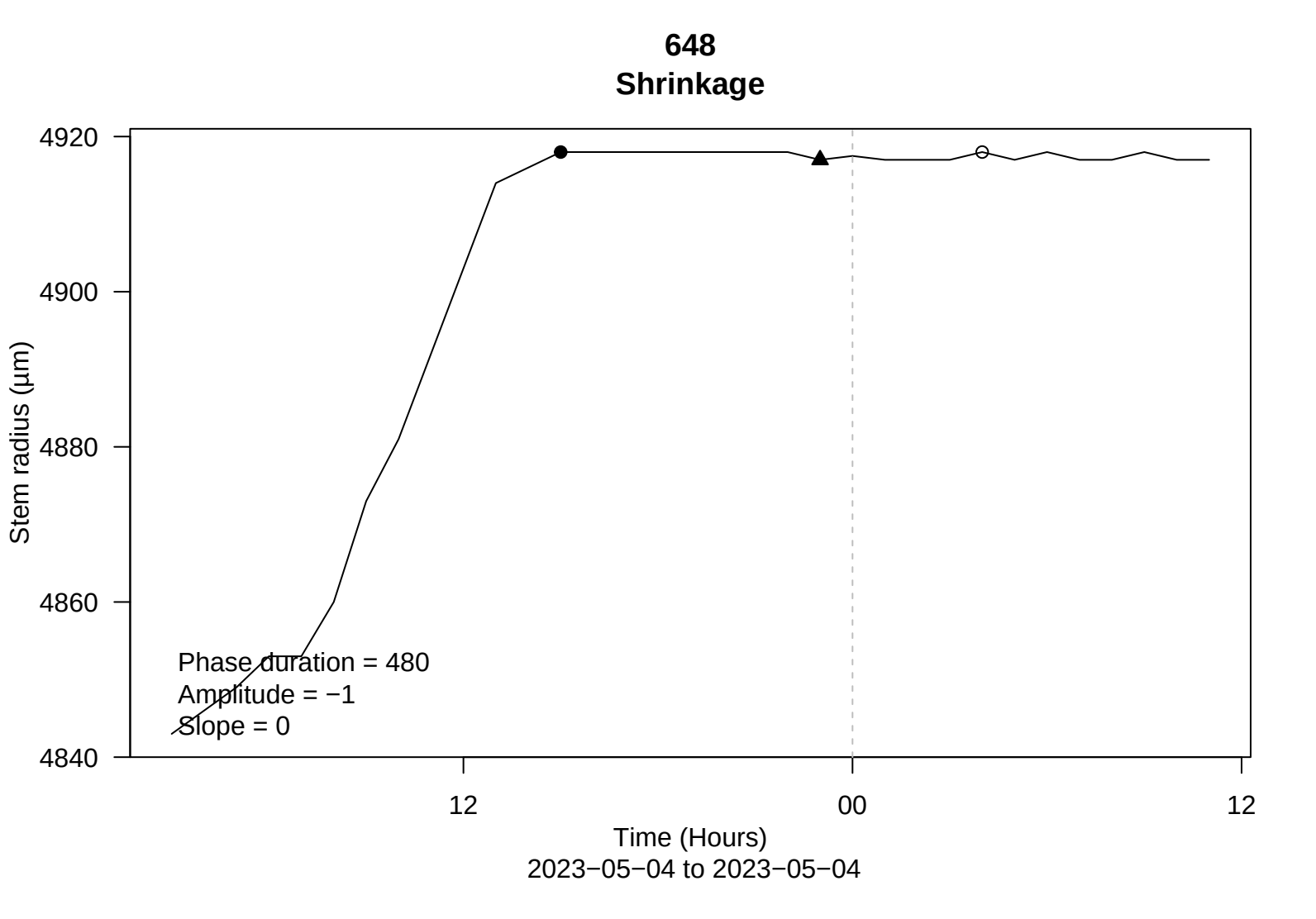

648
Expansion
4900
4880
4860
4840
Stem radius (µm)
Phase duration = 1080
Amplitude = 56
Slope = 0.0011
12
00
12
Time (Hours)
2023−05−01 to 2023−05−02

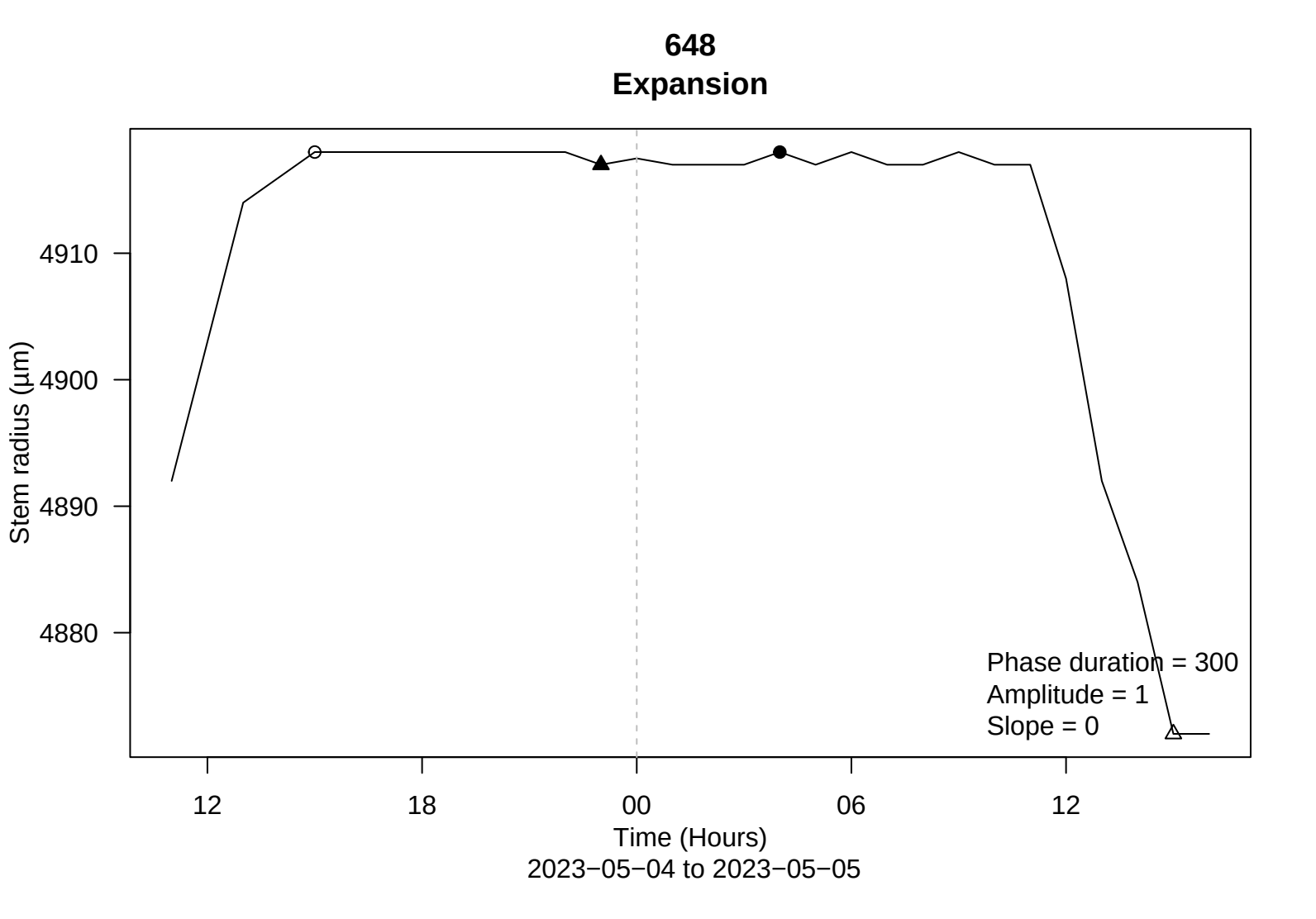

648
Shrinkage
4900
4880
4860
4840
Stem radius (µm)
Phase duration = 480
Amplitude = −73
Slope = −0.0033
00
06
12
18
00
Time (Hours)
2023−05−02 to 2023−05−02

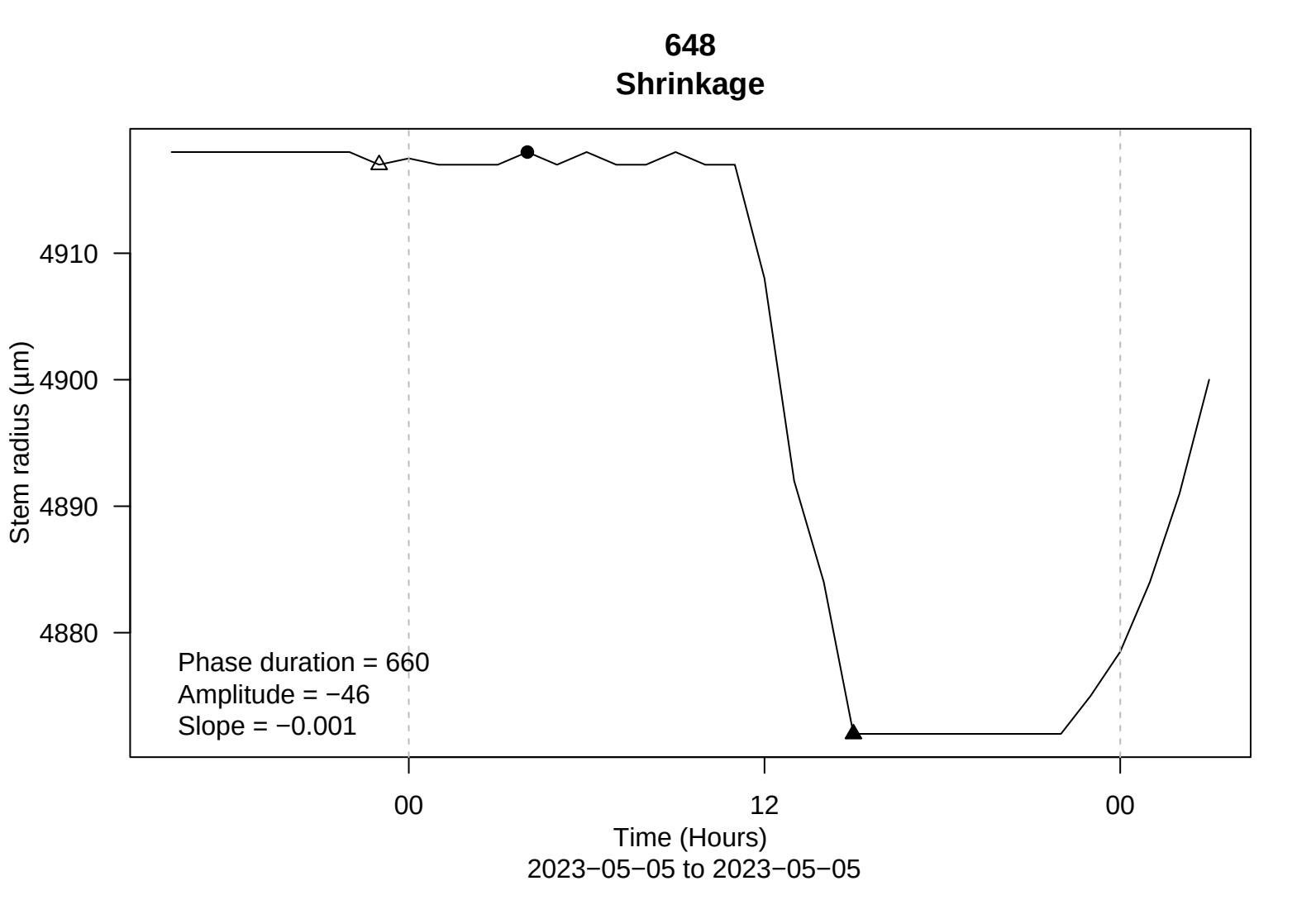

648
Expansion
4900
4880
4860
4840
4820
4800
4780
Stem radius (µm)
12
00
12
Time (Hours)
2023−05−02 to 2023−05−03
Phase duration = 960
Amplitude = 36
Slope = 8e−04

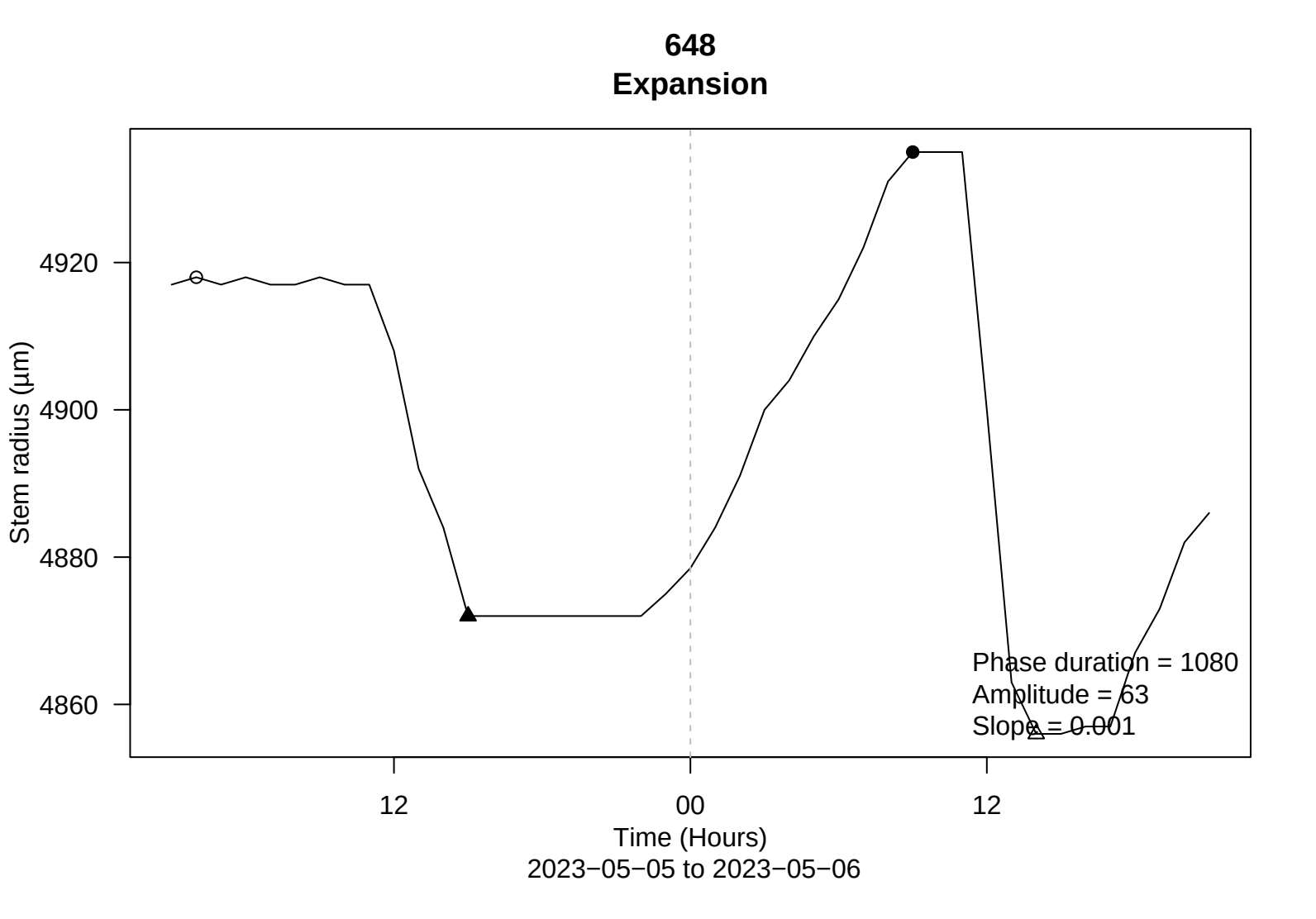

648
Shrinkage
4860
4840
4820
4800
4780
Stem radius (µm)
Phase duration = 360
Amplitude = −81
Slope = −0.0043
00
06
12
18
00
Time (Hours)
2023−05−03 to 2023−05−03

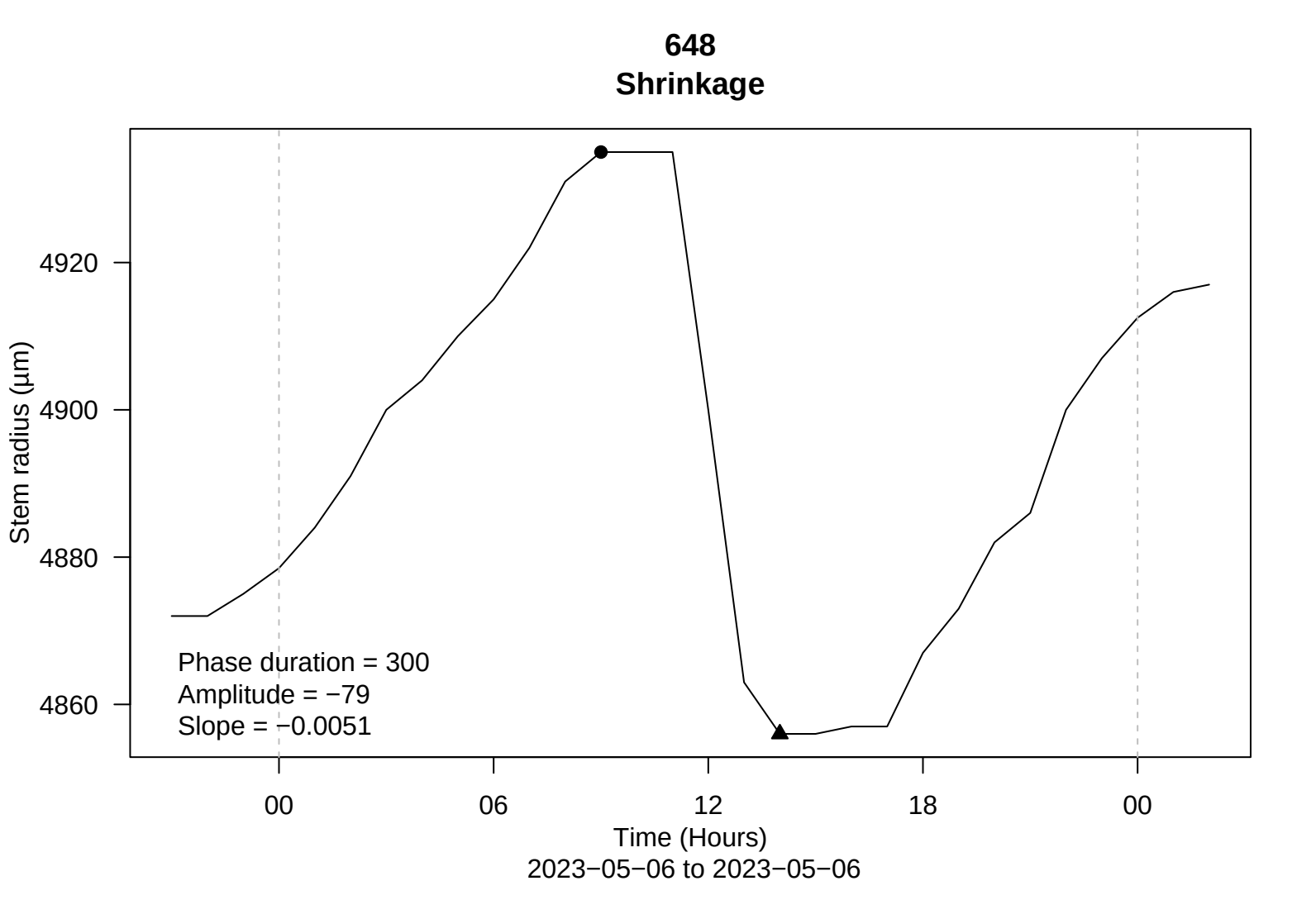

648
Expansion
4920
4900
4880
4860
4840
4820
4800
4780
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−05−03 to 2023−05−04
Phase duration = 1500
Amplitude = 136
Slope = 0.0016

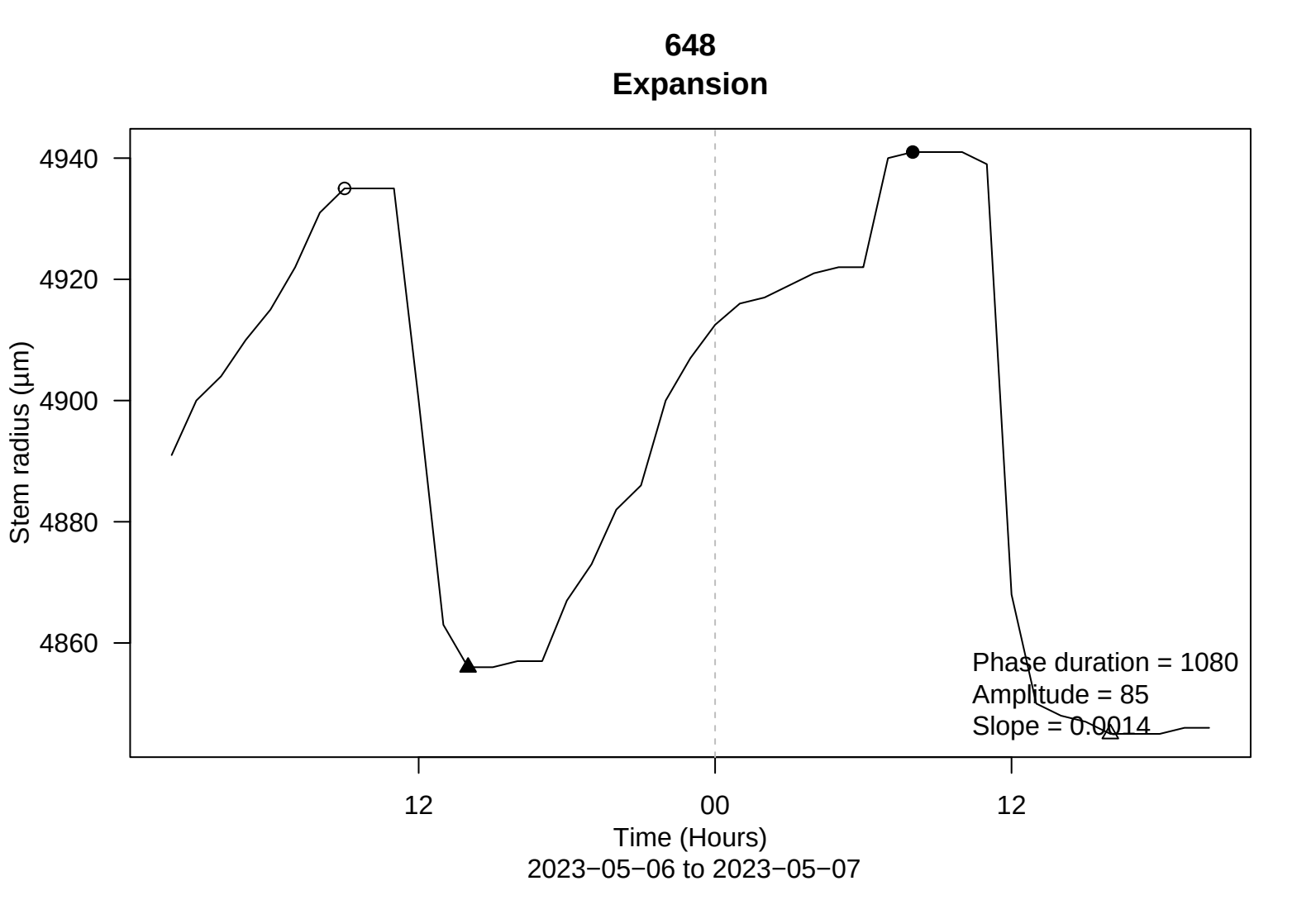

648
Shrinkage
4920
4900
4880
4860
4840
Stem radius (µm)
Phase duration = 480
Amplitude = −1
Slope = 0
12
00
12
Time (Hours)
2023−05−04 to 2023−05−04

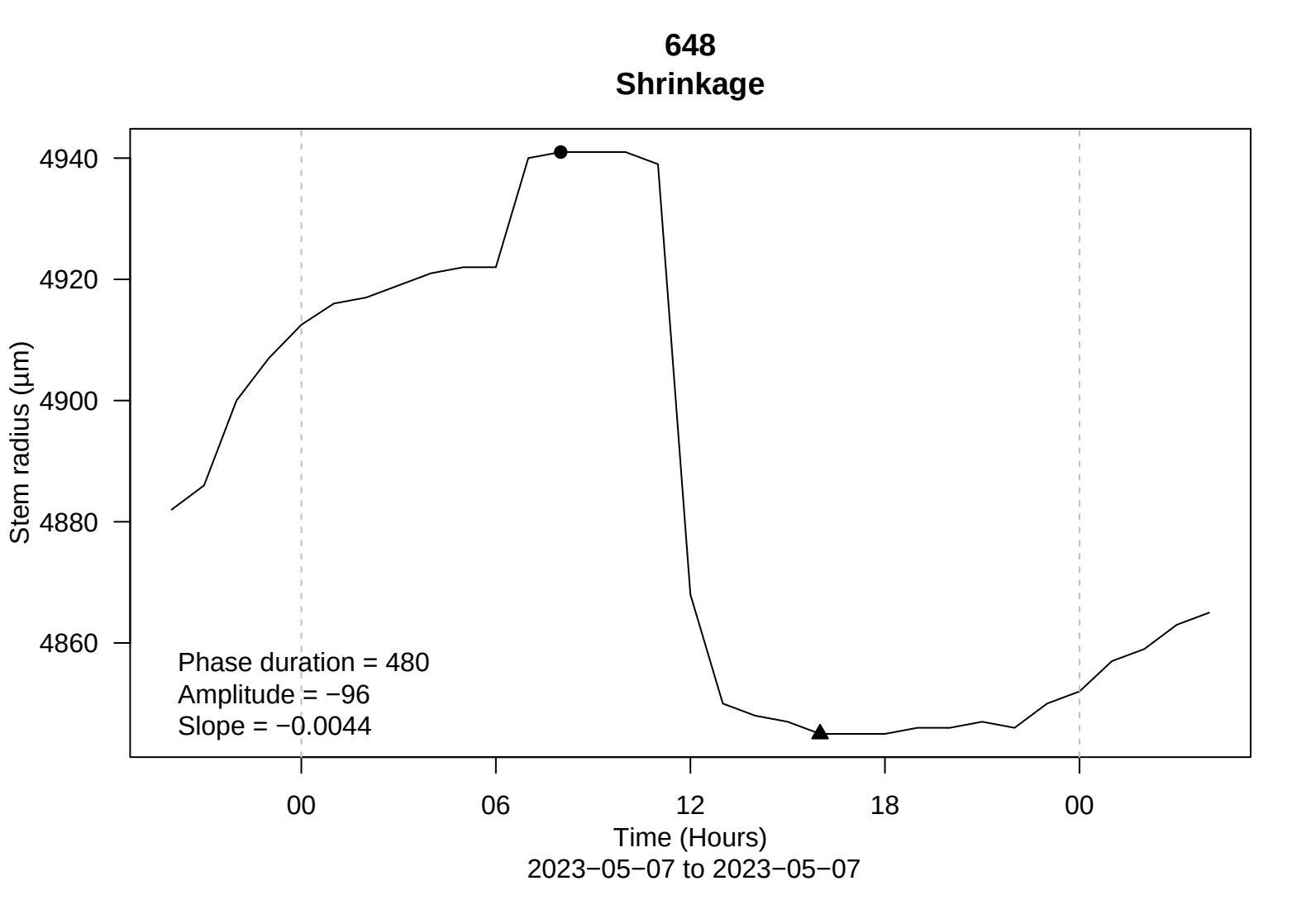

648
Expansion
4910
4900
4890
4880
Stem radius (µm)
Phase duration = 300
Amplitude = 1
Slope = 0
12
18
00
06
12
Time (Hours)
2023−05−04 to 2023−05−05

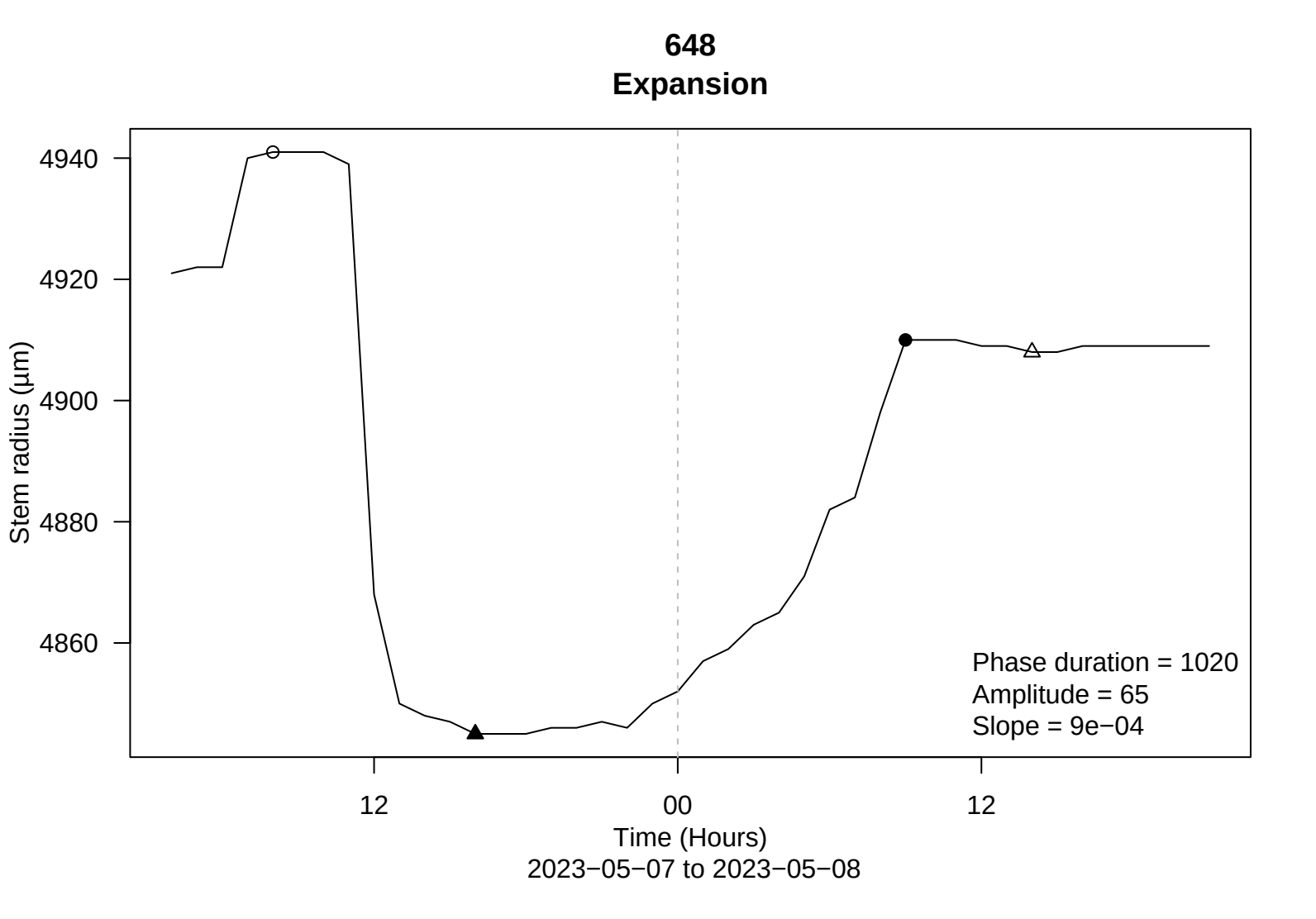

648
Shrinkage
4910
4900
4890
4880
Stem radius (µm)
Phase duration = 660
Amplitude = −46
Slope = −0.001
00
12
00
Time (Hours)
2023−05−05 to 2023−05−05

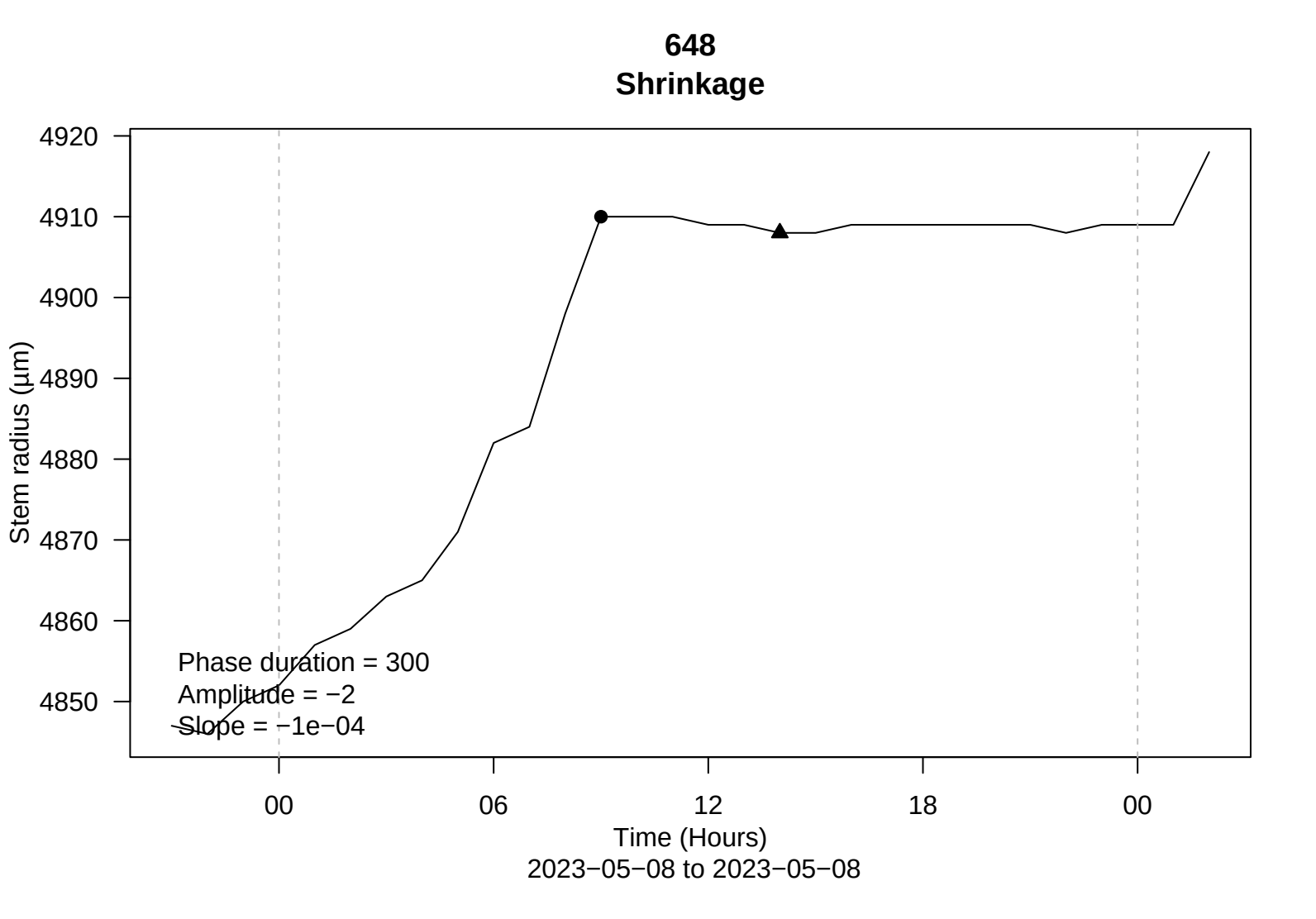

648
Expansion
4920
4900
4880
4860
Stem radius (µm)
Phase duration = 1080
Amplitude = 63
Slope = 0.001
12
00
12
Time (Hours)
2023−05−05 to 2023−05−06

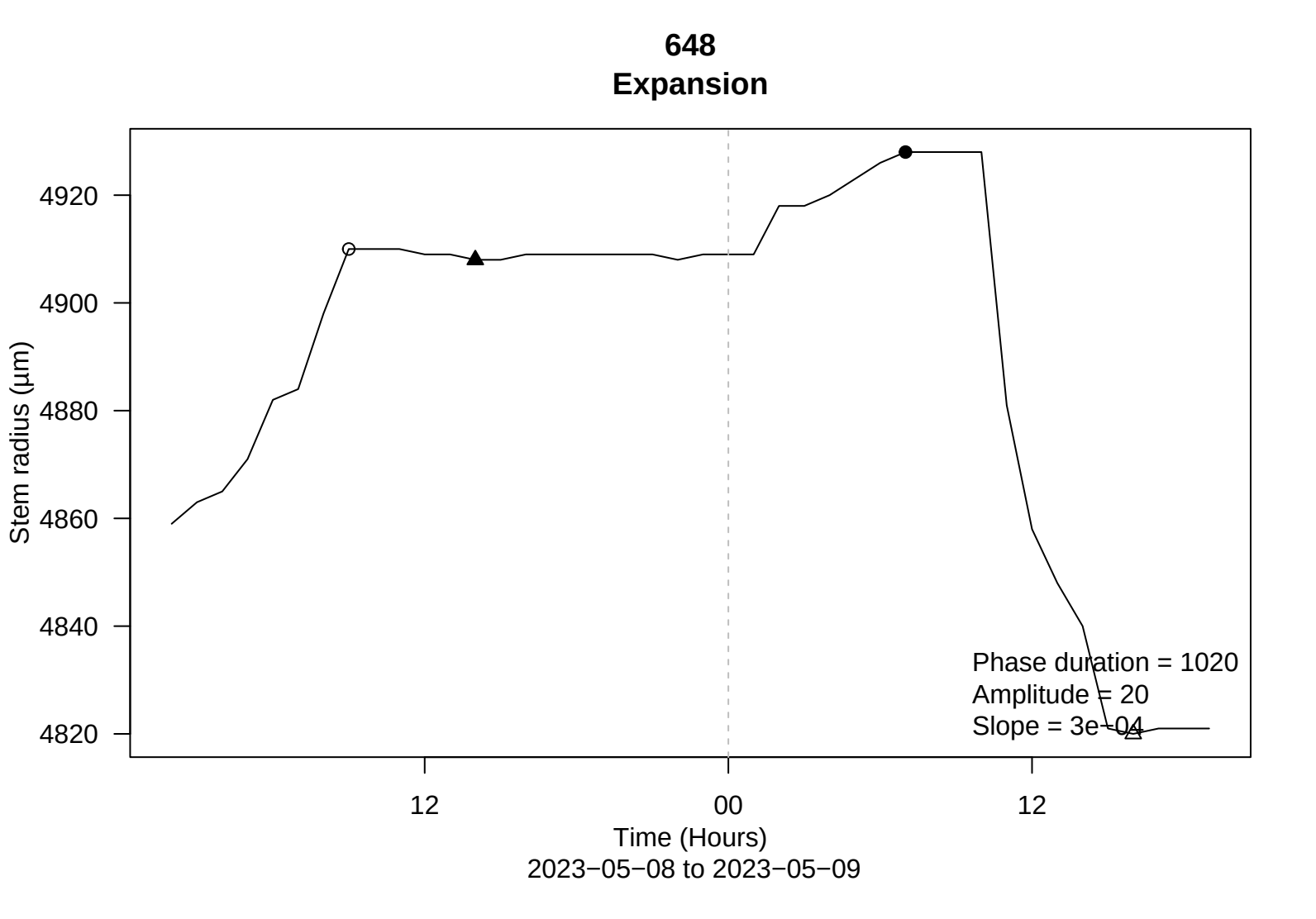

648
Shrinkage
4920
4900
4880
4860
Stem radius (µm)
Phase duration = 300
Amplitude = −79
Slope = −0.0051
00
06
12
18
00
Time (Hours)
2023−05−06 to 2023−05−06

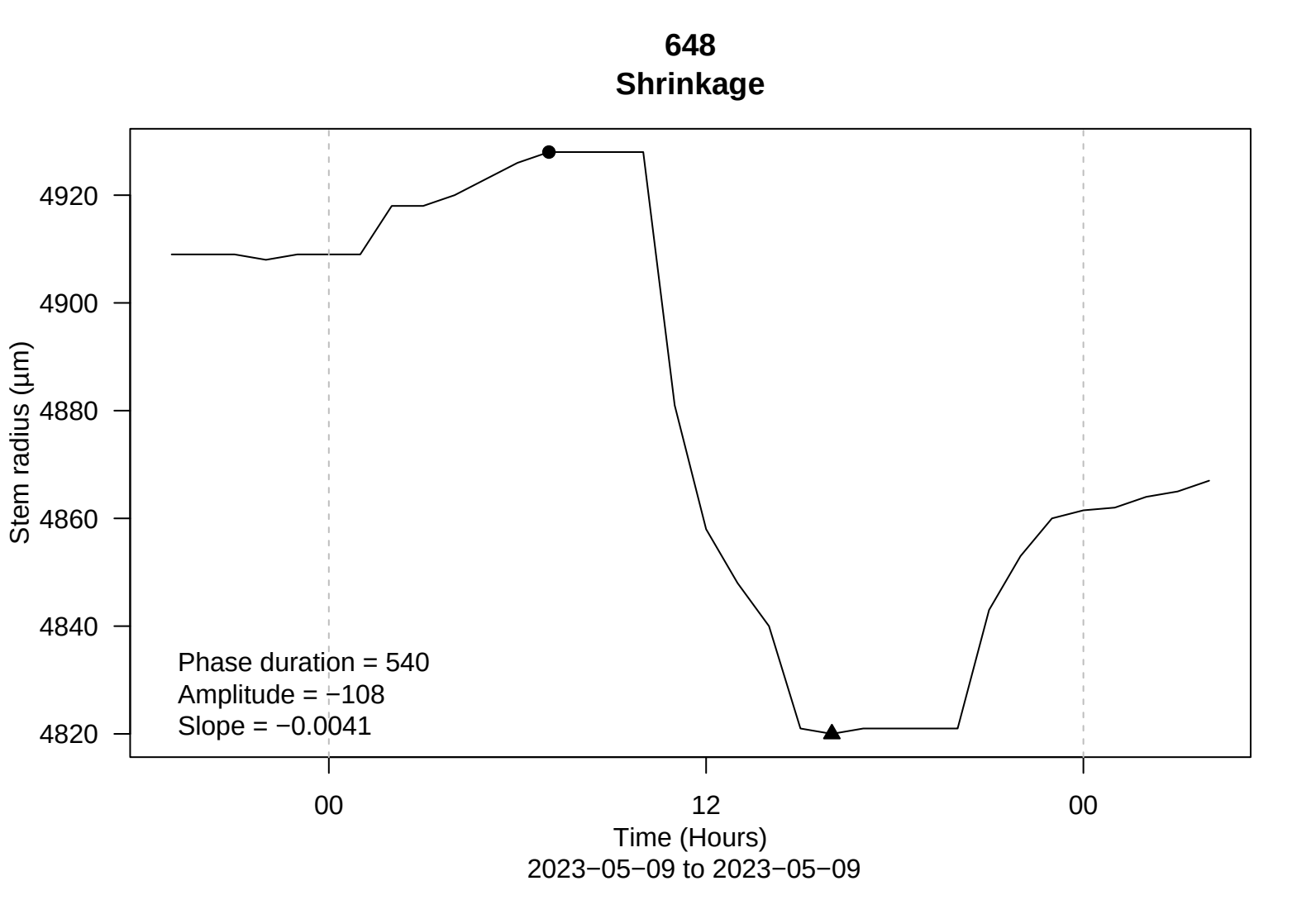

648
Expansion
4940
4920
4900
4880
4860
Stem radius (µm)
Phase duration = 1080
Amplitude = 85
Slope = 0.0014
12
00
12
Time (Hours)
2023−05−06 to 2023−05−07

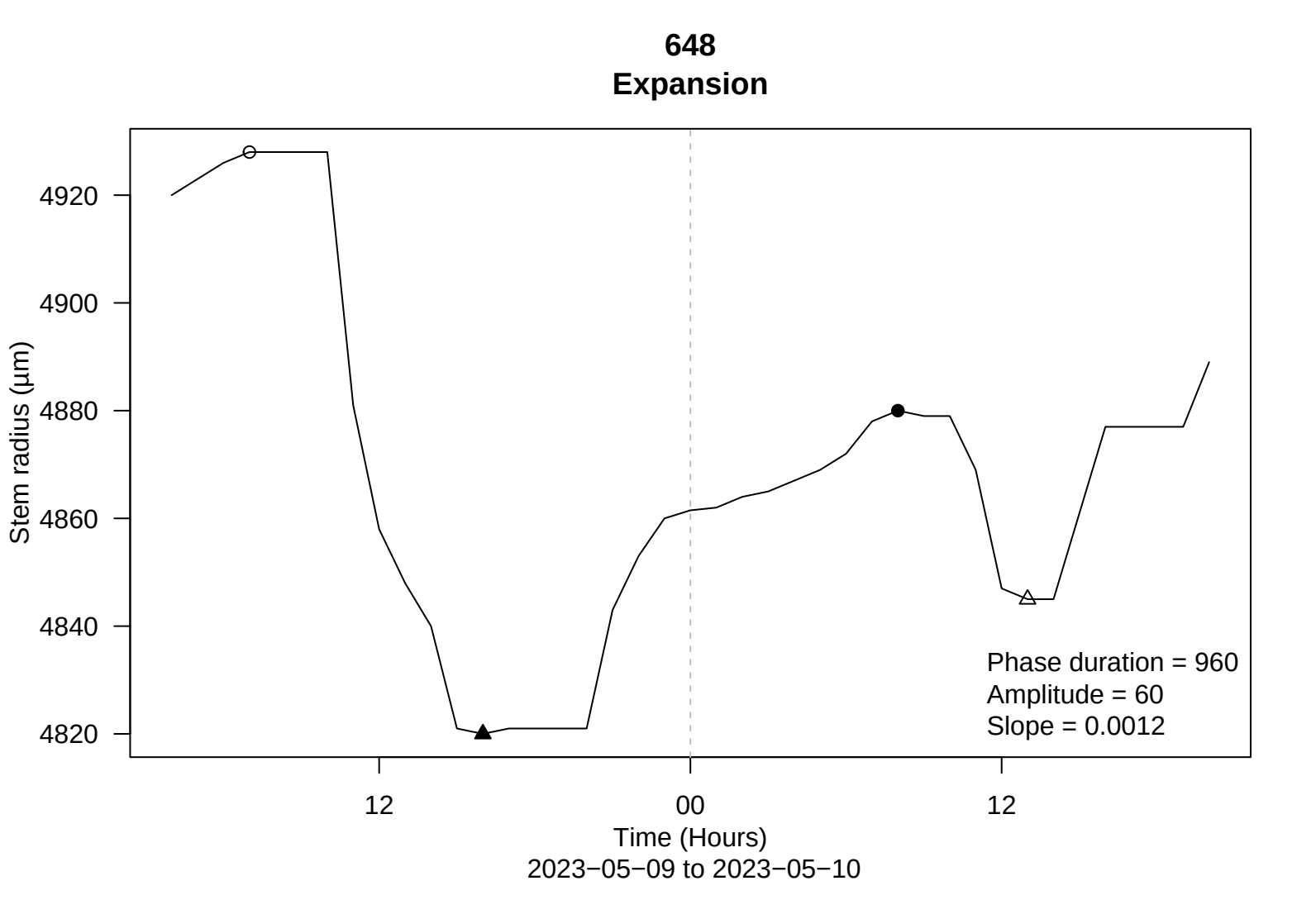

648
Shrinkage
4940
4920
4900
4880
4860
Stem radius (µm)
Phase duration = 480
Amplitude = −96
Slope = −0.0044
00
06
12
18
00
Time (Hours)
2023−05−07 to 2023−05−07

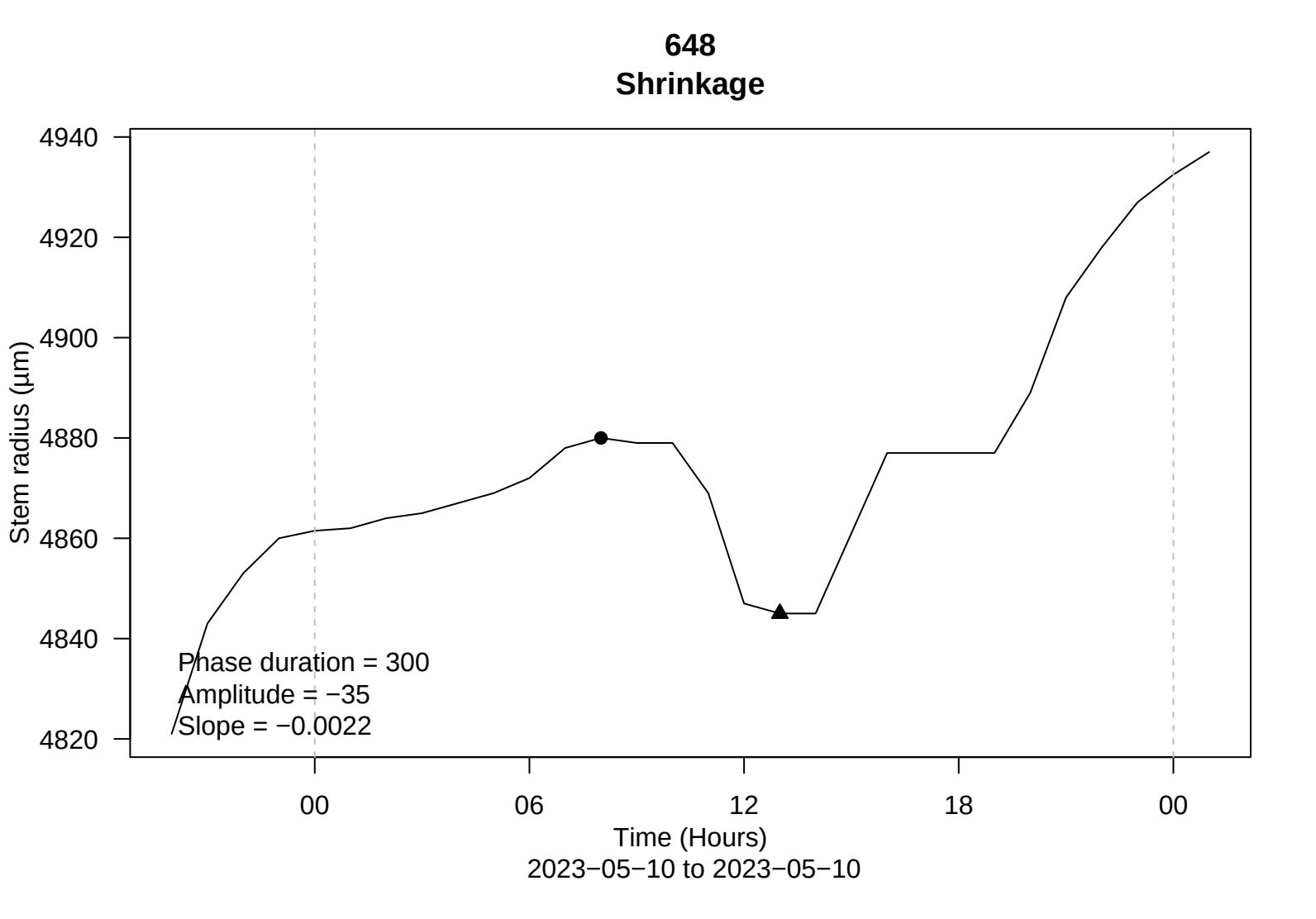

648
Expansion
4940
4920
4900
4880
4860
Stem radius (µm)
Phase duration = 1020
Amplitude = 65
Slope = 9e−04
12
00
12
Time (Hours)
2023−05−07 to 2023−05−08

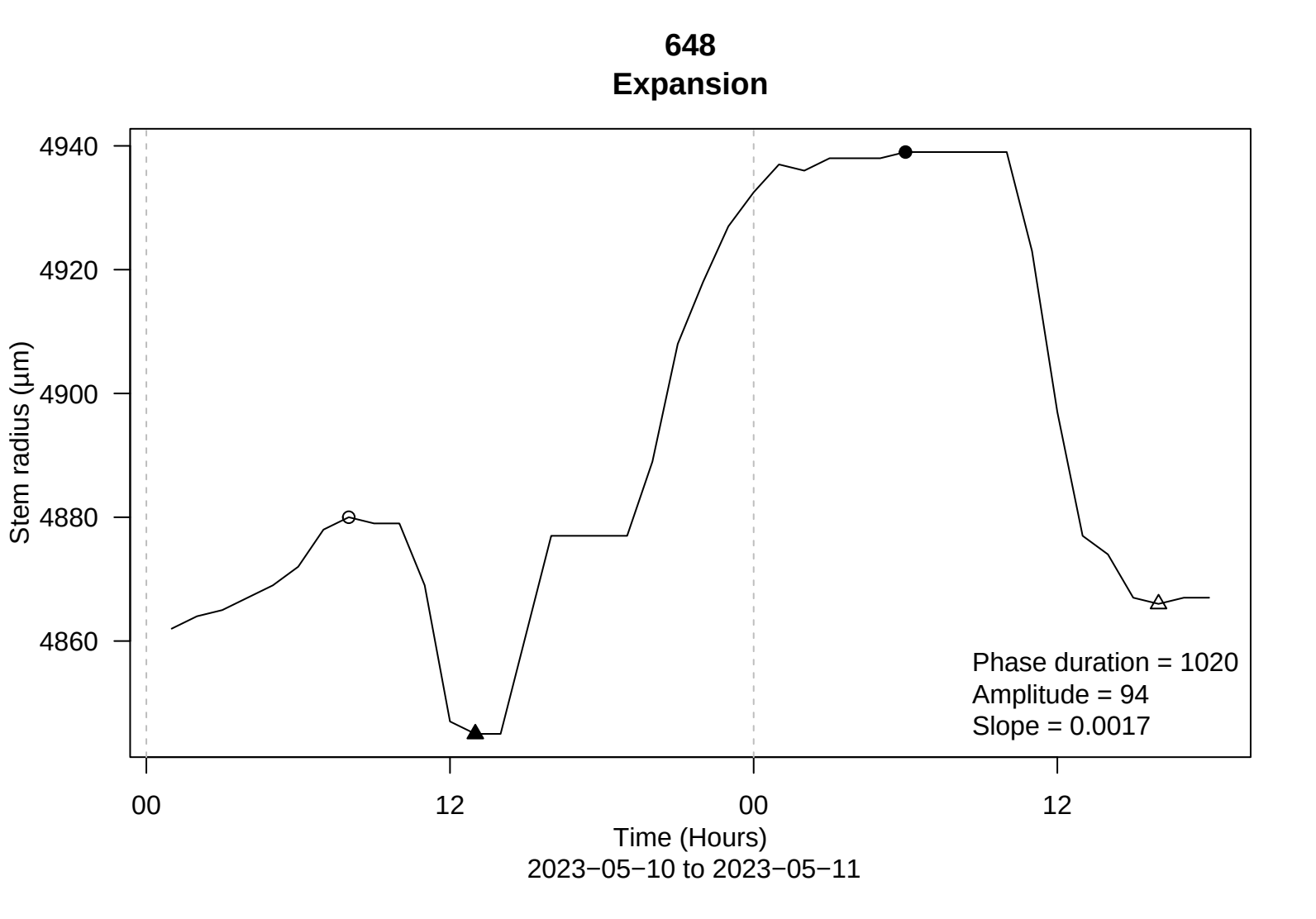

648
Shrinkage
4920
4910
4900
4890
4880
4870
4860
4850
Stem radius (µm)
Phase duration = 300
Amplitude = −2
Slope = −1e−04
00
06
12
18
00
Time (Hours)
2023−05−08 to 2023−05−08

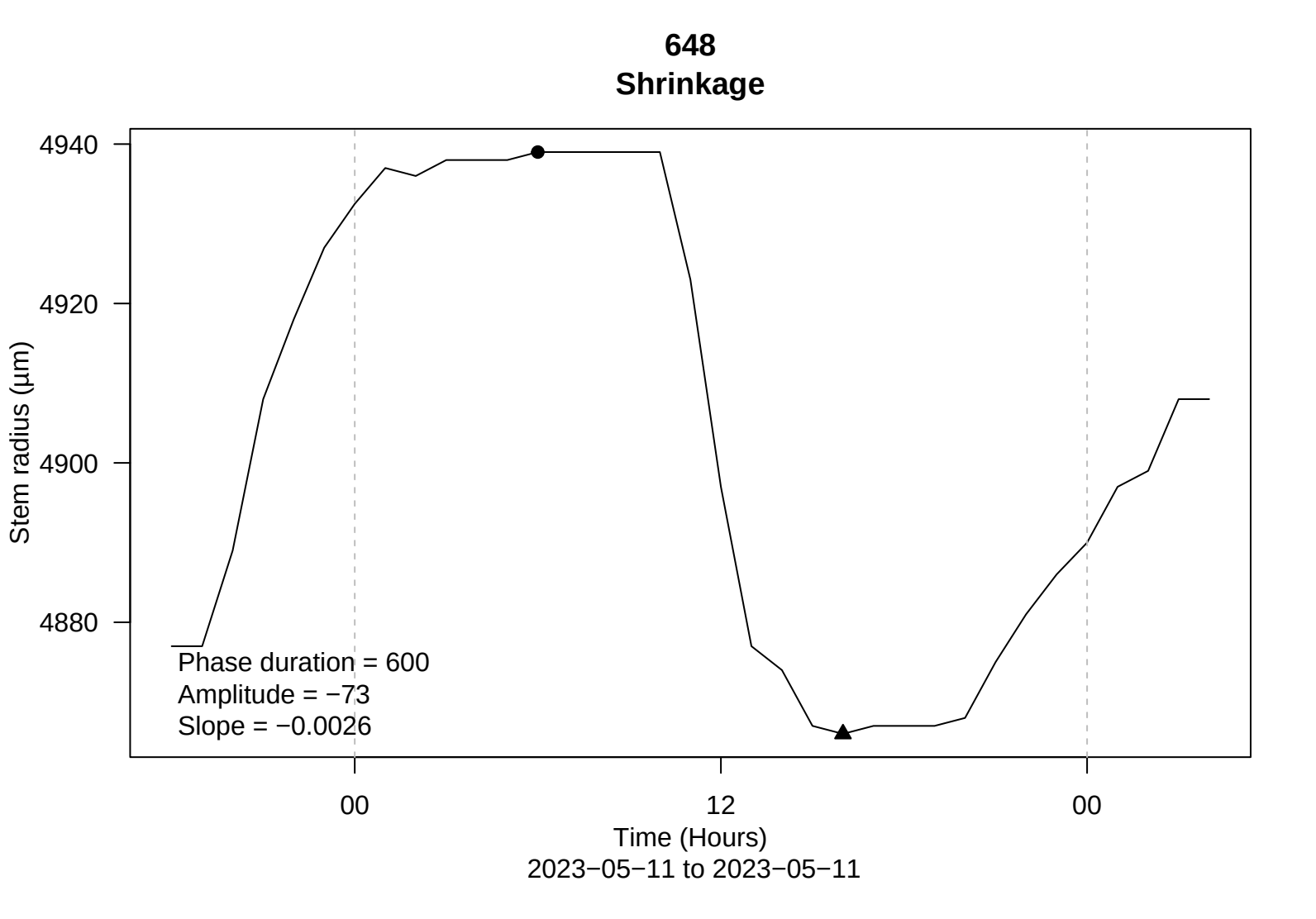

648
Expansion
4920
4900
4880
4860
4840
4820
Stem radius (µm)
12
00
12
Time (Hours)
2023−05−08 to 2023−05−09
Phase duration = 1020
Amplitude = 20
Slope = 3e−04

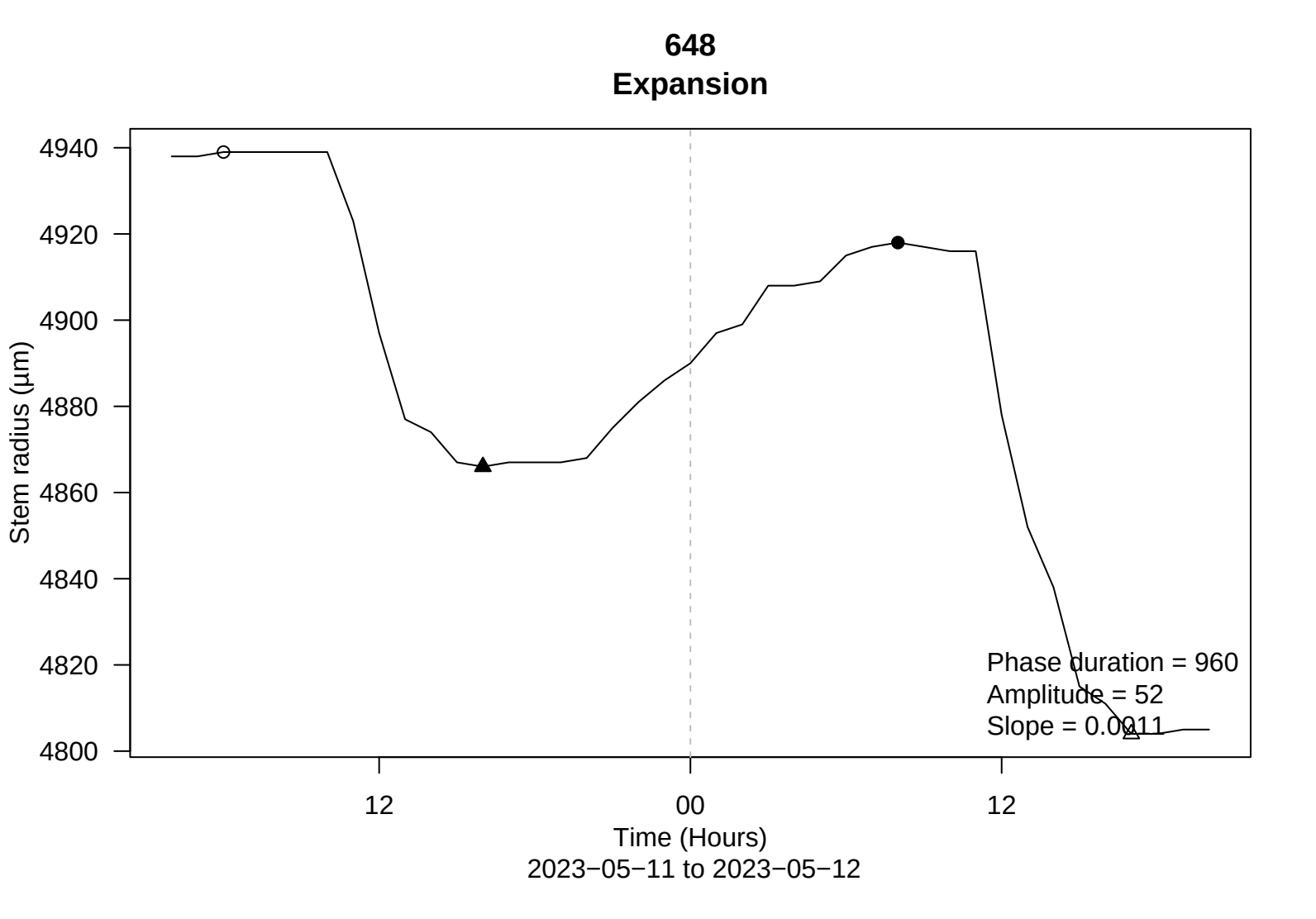

648
Shrinkage
4920
4900
4880
4860
4840
4820
Stem radius (µm)
Phase duration = 540
Amplitude = −108
Slope = −0.0041
00
12
00
Time (Hours)
2023−05−09 to 2023−05−09

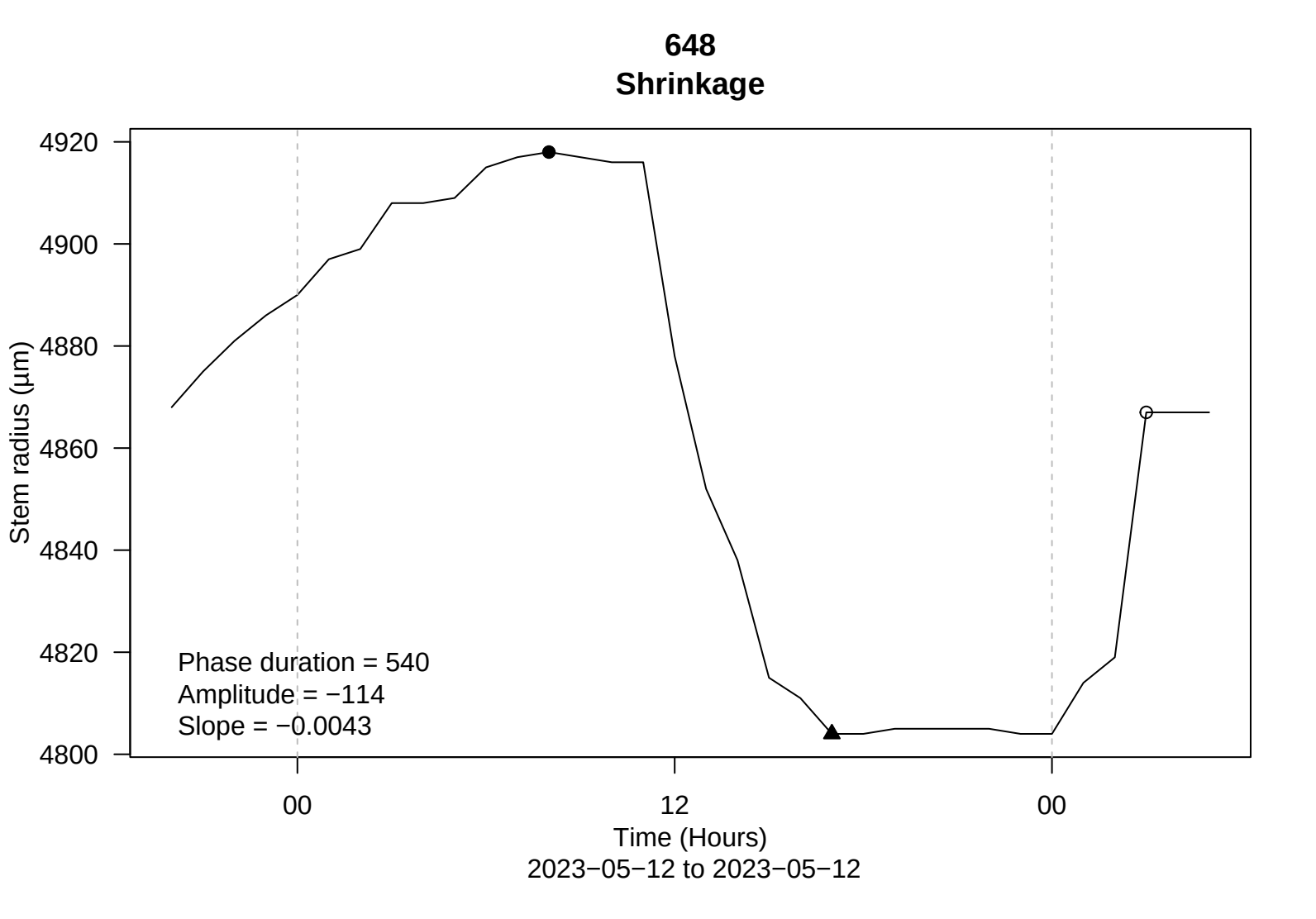

648
Expansion
4920
4900
4880
4860
4840
4820
Stem radius (µm)
12
00
12
Time (Hours)
2023−05−09 to 2023−05−10
Phase duration = 960
Amplitude = 60
Slope = 0.0012

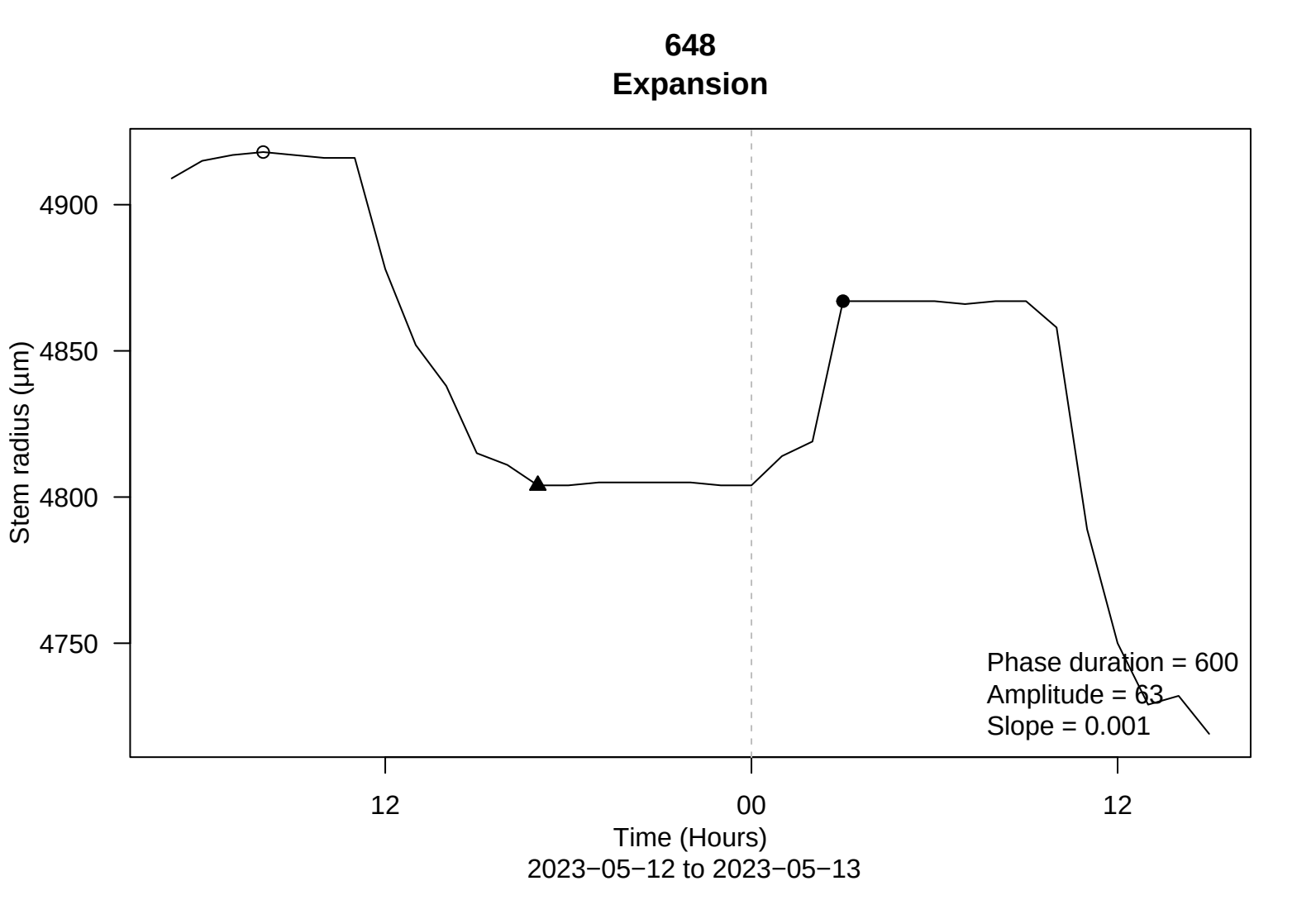

648
Shrinkage
4940
4920
4900
4880
4860
4840
4820
Stem radius (µm)
Phase duration = 300
Amplitude = −35
Slope = −0.0022
00
06
12
18
00
Time (Hours)
2023−05−10 to 2023−05−10

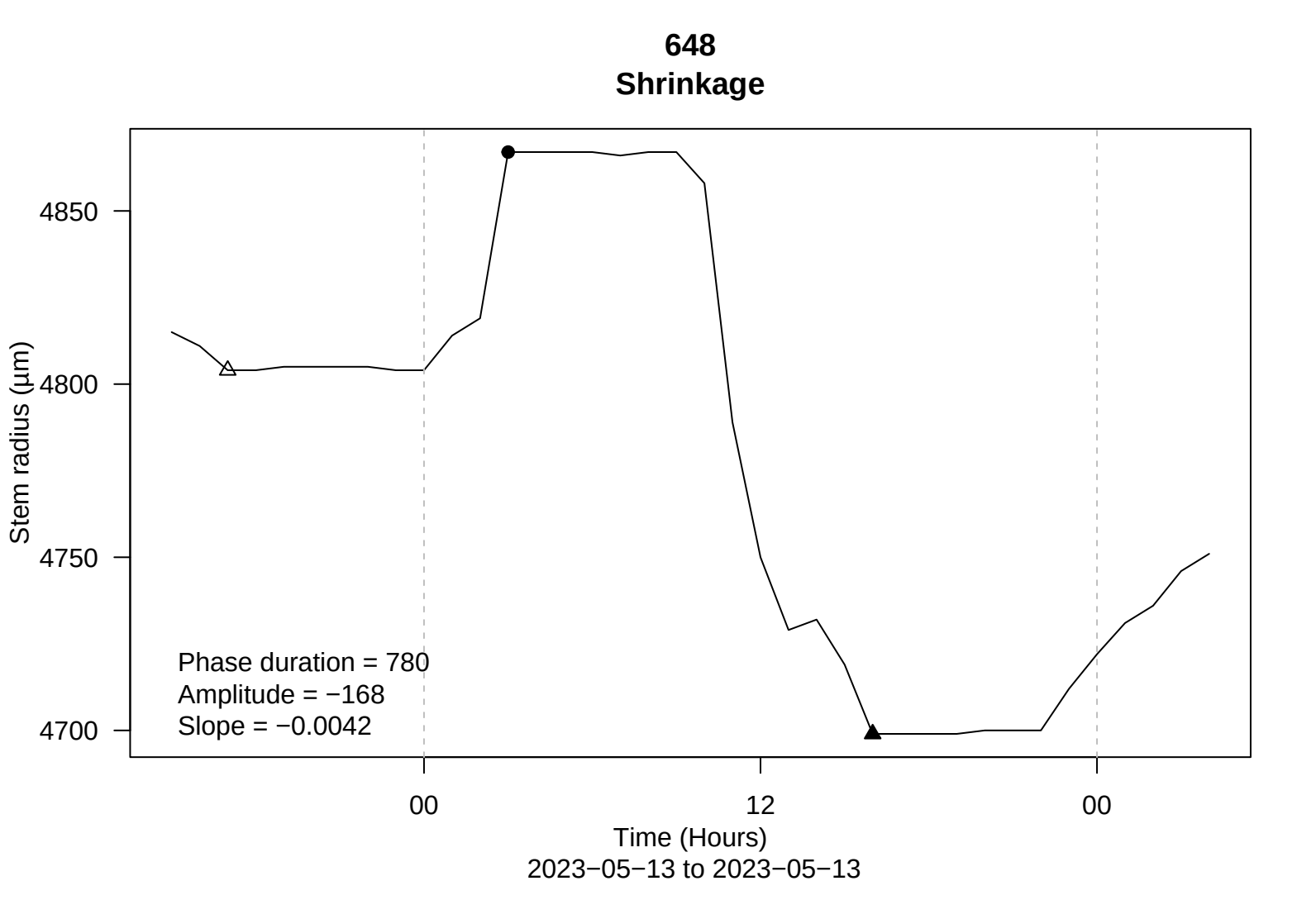

648
Expansion
4940
4920
4900
4880
4860
Stem radius (µm)
Phase duration = 1020
Amplitude = 94
Slope = 0.0017
00
12
00
12
Time (Hours)
2023−05−10 to 2023−05−11

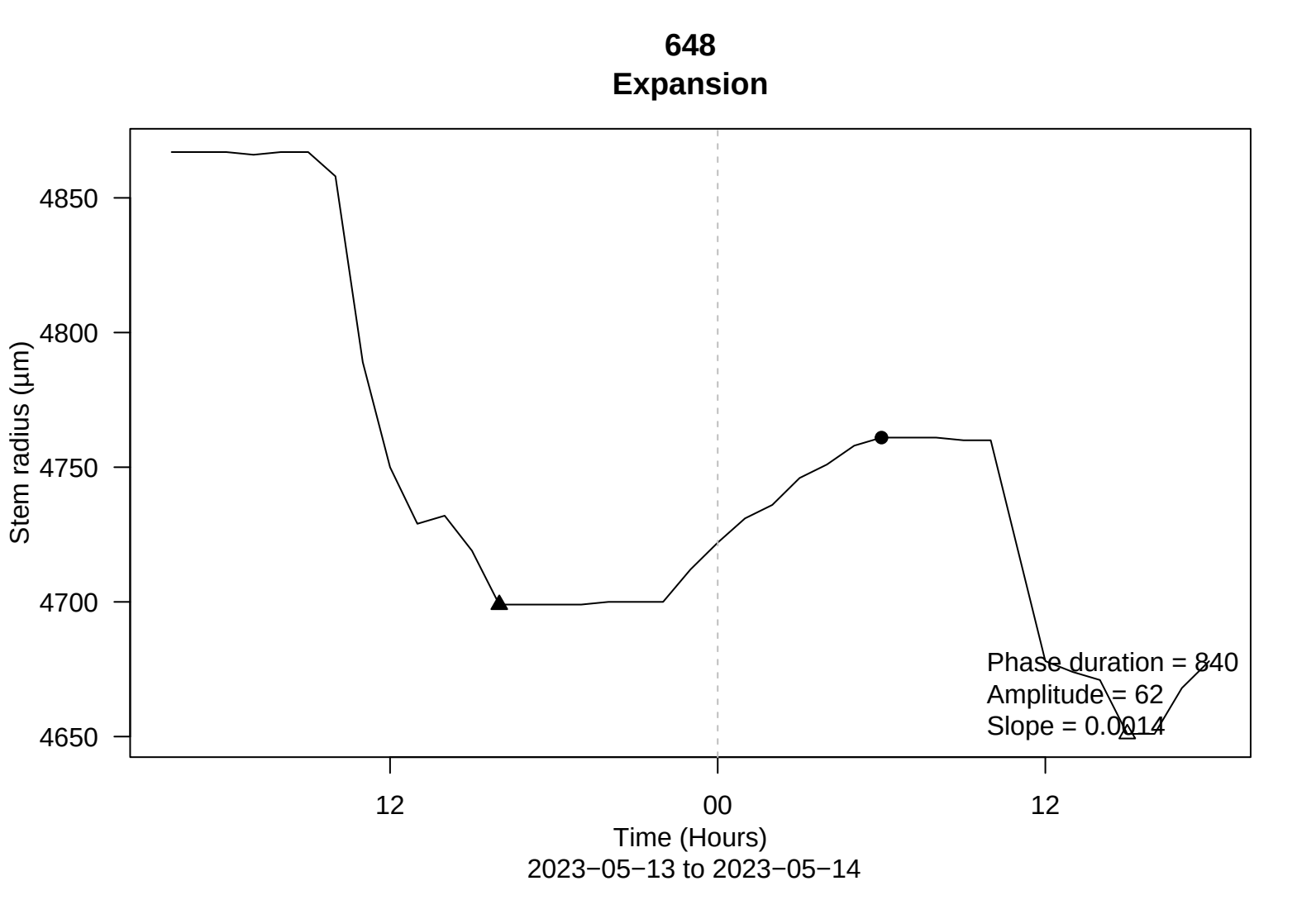

648
Shrinkage
4940
4920
4900
4880
Stem radius (µm)
Phase duration = 600
Amplitude = −73
Slope = −0.0026
00
12
00
Time (Hours)
2023−05−11 to 2023−05−11

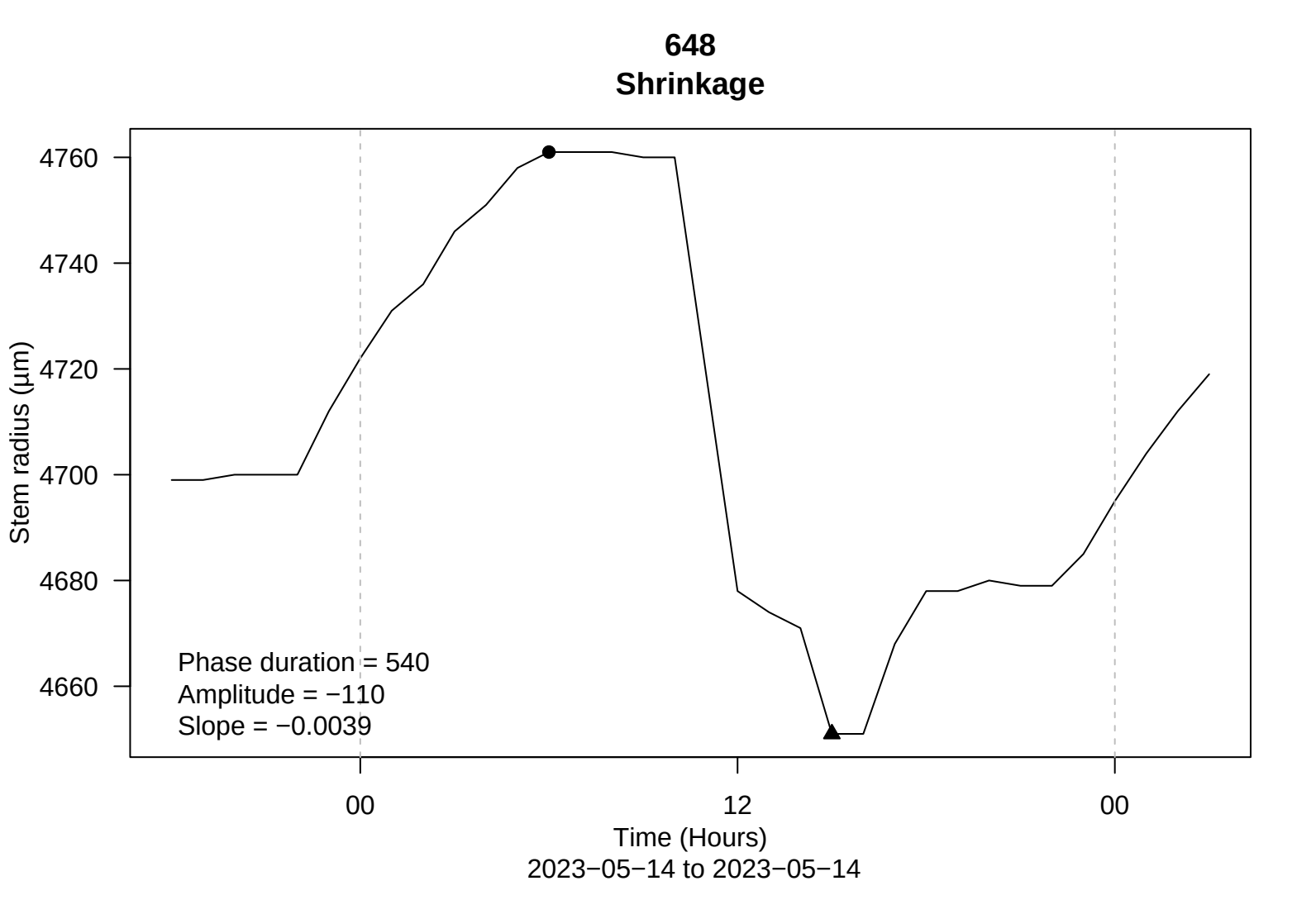

648
Expansion
4940
4920
4900
4880
4860
4840
4820
4800
Stem radius (µm)
12
00
12
Time (Hours)
2023−05−11 to 2023−05−12
Phase duration = 960
Amplitude = 52
Slope = 0.0011

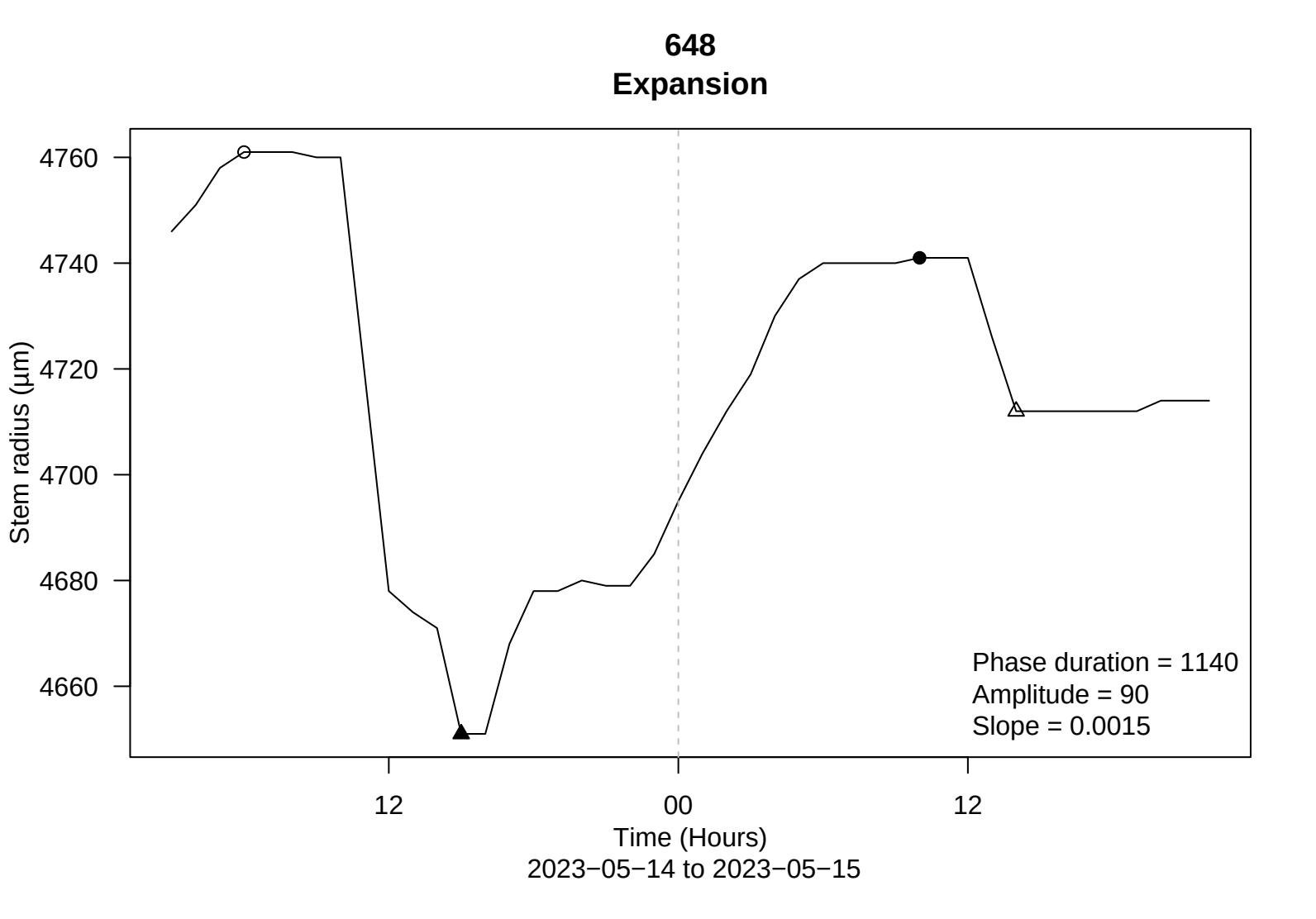

648
Shrinkage
4920
4900
4880
4860
4840
4820
4800
Stem radius (µm)
Phase duration = 540
Amplitude = −114
Slope = −0.0043
00
12
00
Time (Hours)
2023−05−12 to 2023−05−12

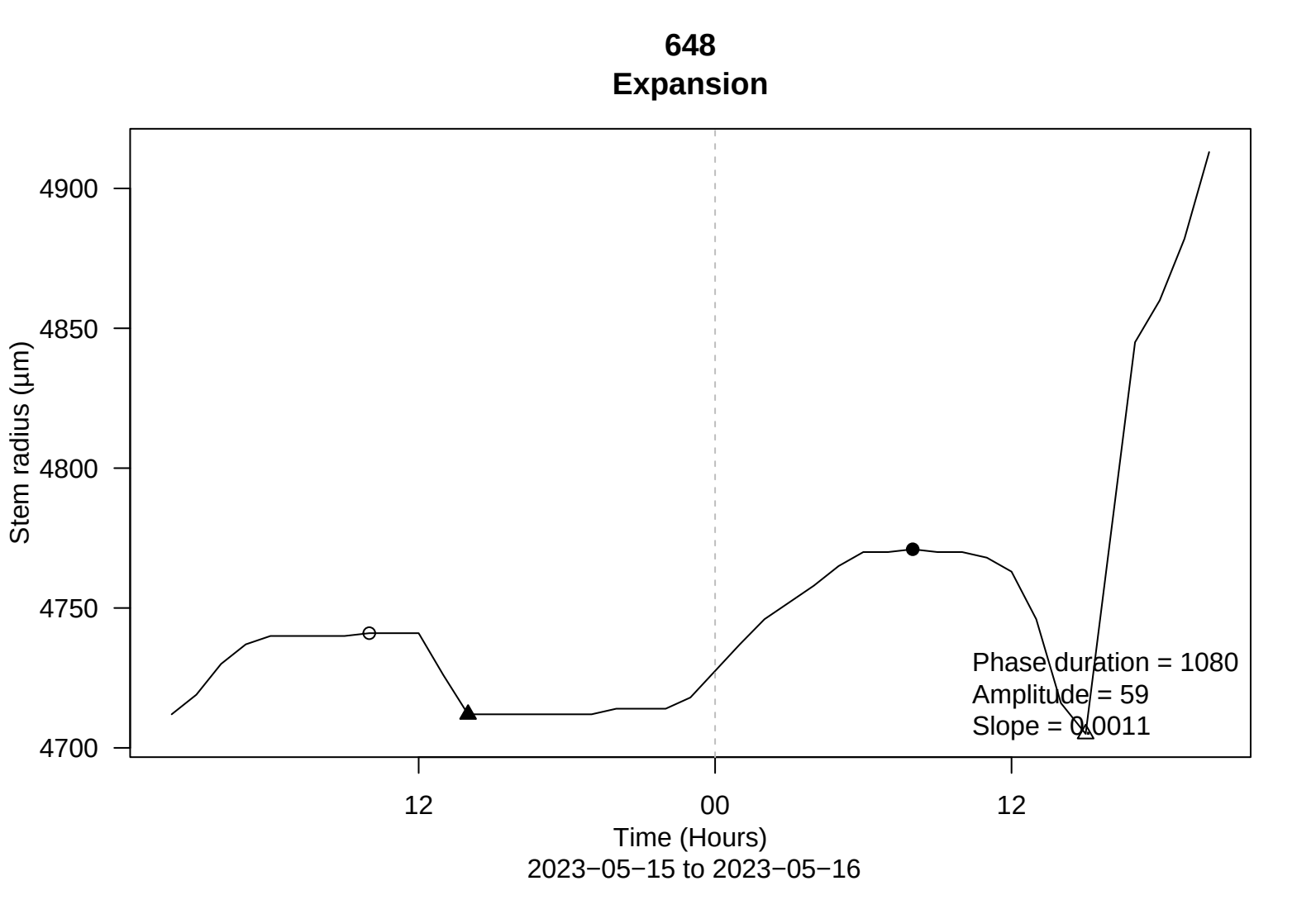

648
Expansion
4900
4850
4800
4750
Stem radius (µm)
Phase duration = 600
Amplitude = 63
Slope = 0.001
12
00
12
Time (Hours)
2023−05−12 to 2023−05−13

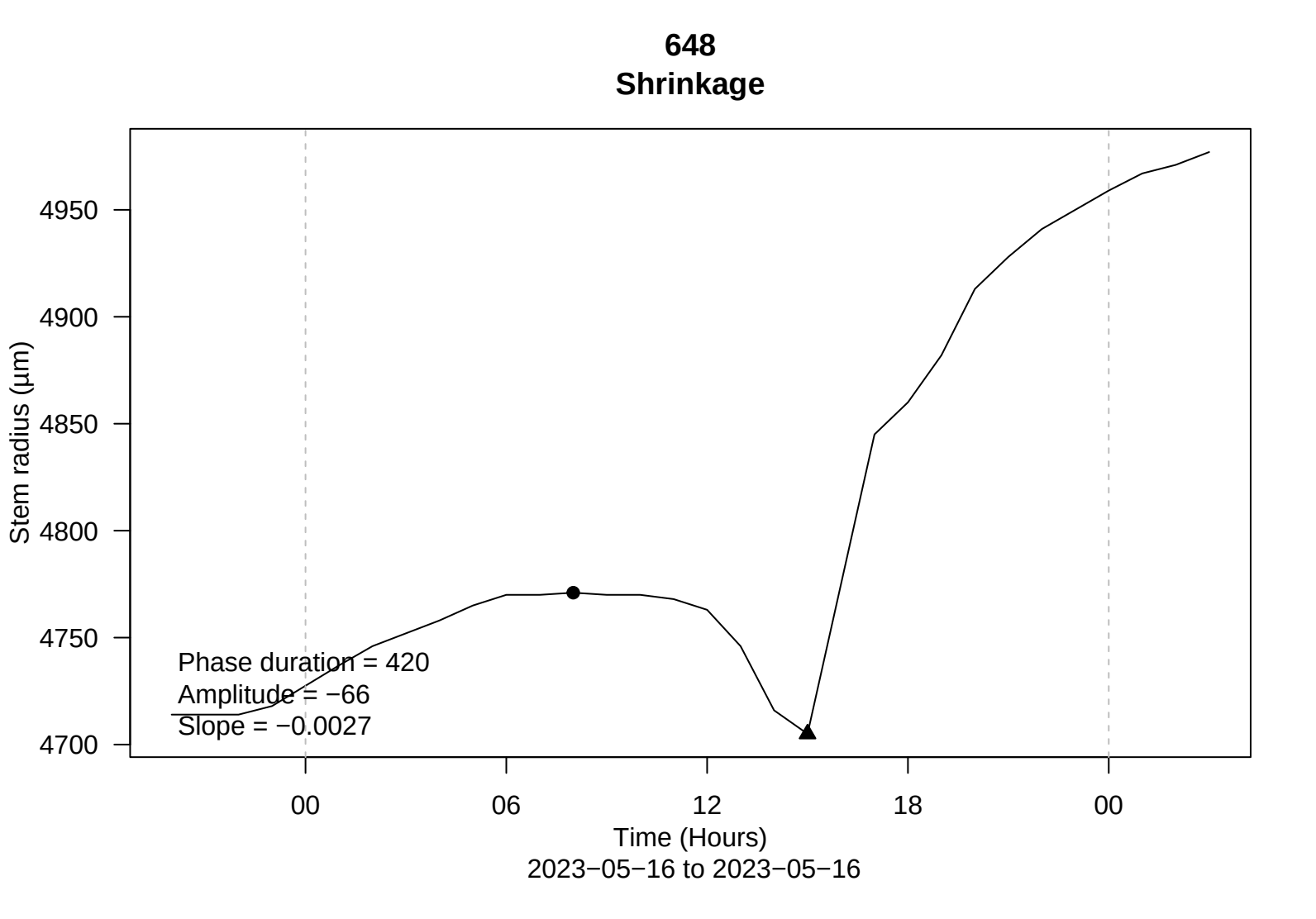

648
Shrinkage
4850
4800
4750
4700
Stem radius (µm)
Phase duration = 780
Amplitude = −168
Slope = −0.0042
00
12
00
Time (Hours)
2023−05−13 to 2023−05−13

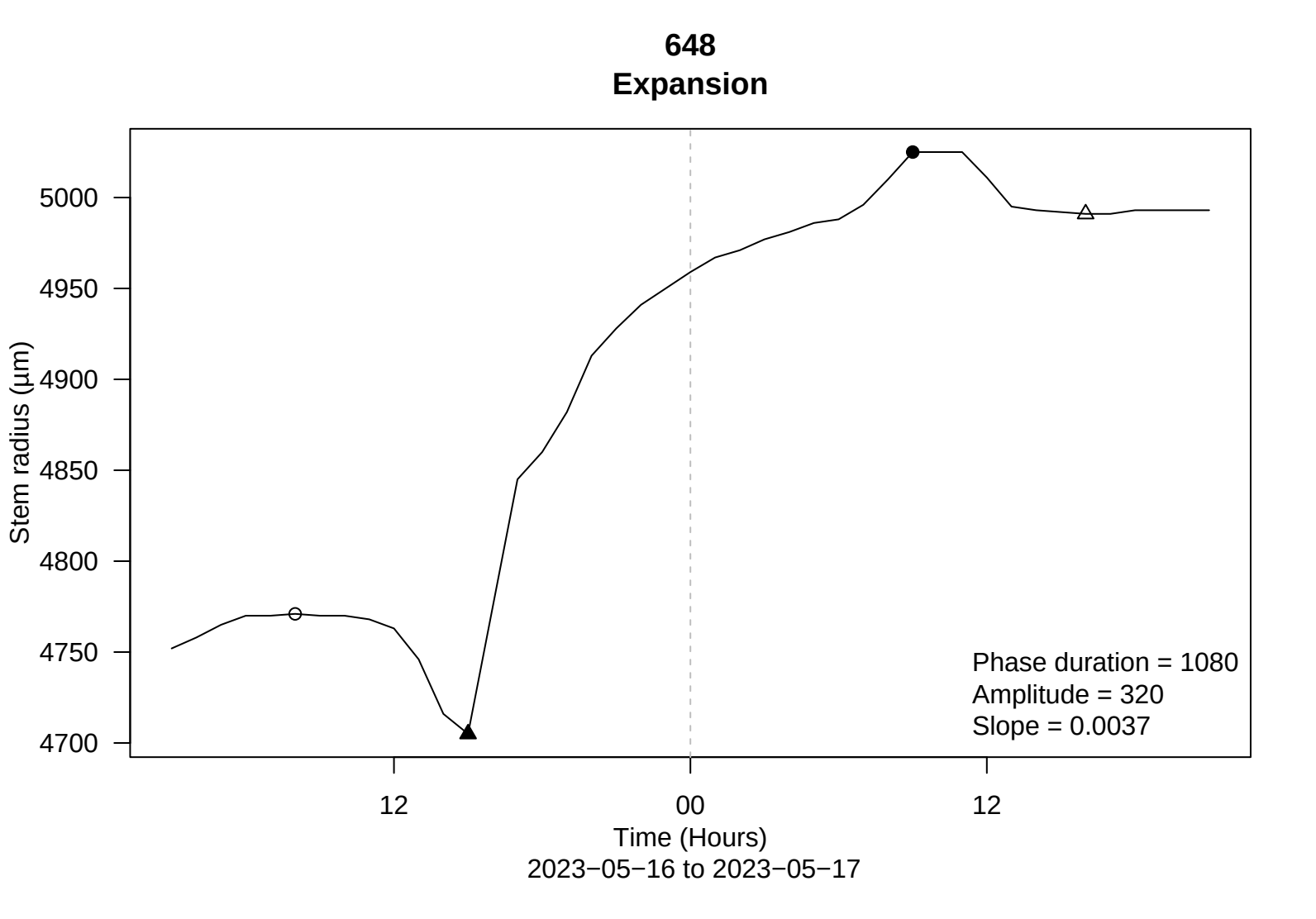

648
Expansion
4850
4800
4750
4700
4650
Stem radius (µm)
Phase duration = 840
Amplitude = 62
Slope = 0.0014
12
00
12
Time (Hours)
2023−05−13 to 2023−05−14

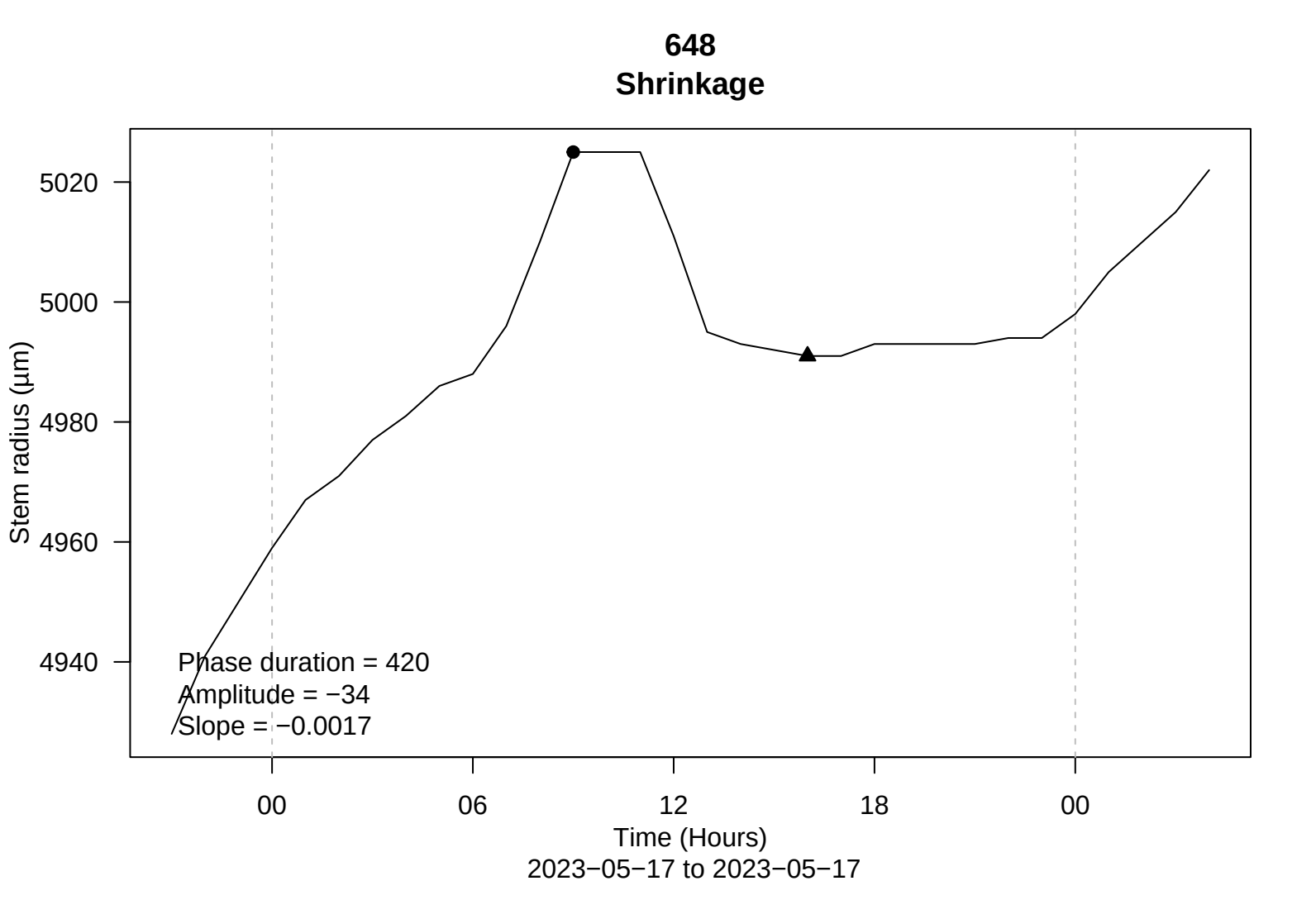

648
Shrinkage
4760
4740
4720
4700
4680
4660
Stem radius (µm)
Phase duration = 540
Amplitude = −110
Slope = −0.0039
00
12
00
Time (Hours)
2023−05−14 to 2023−05−14

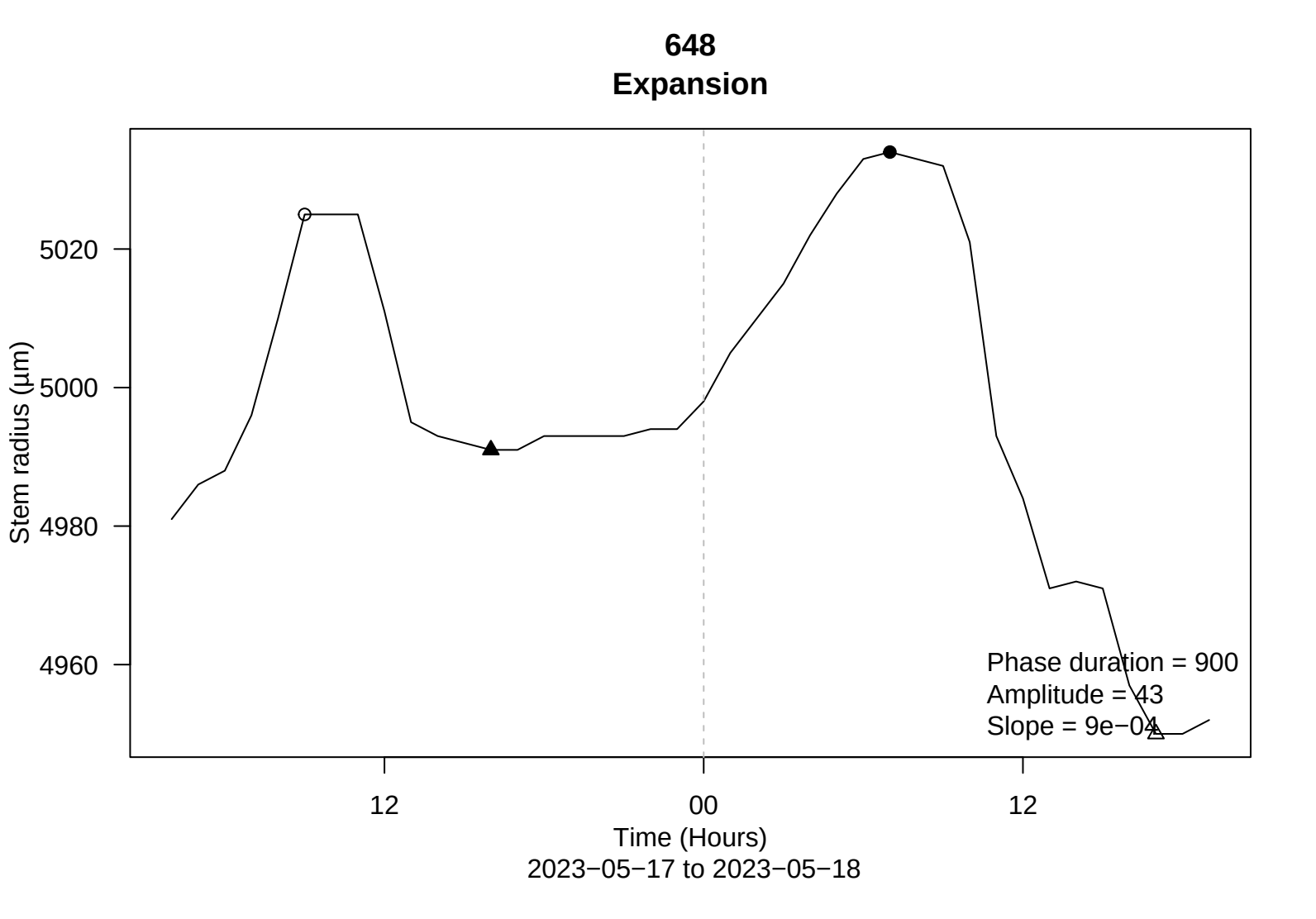

648
Expansion
4760
4740
4720
4700
4680
4660
Stem radius (µm)
Phase duration = 1140
Amplitude = 90
Slope = 0.0015
12
00
12
Time (Hours)
2023−05−14 to 2023−05−15

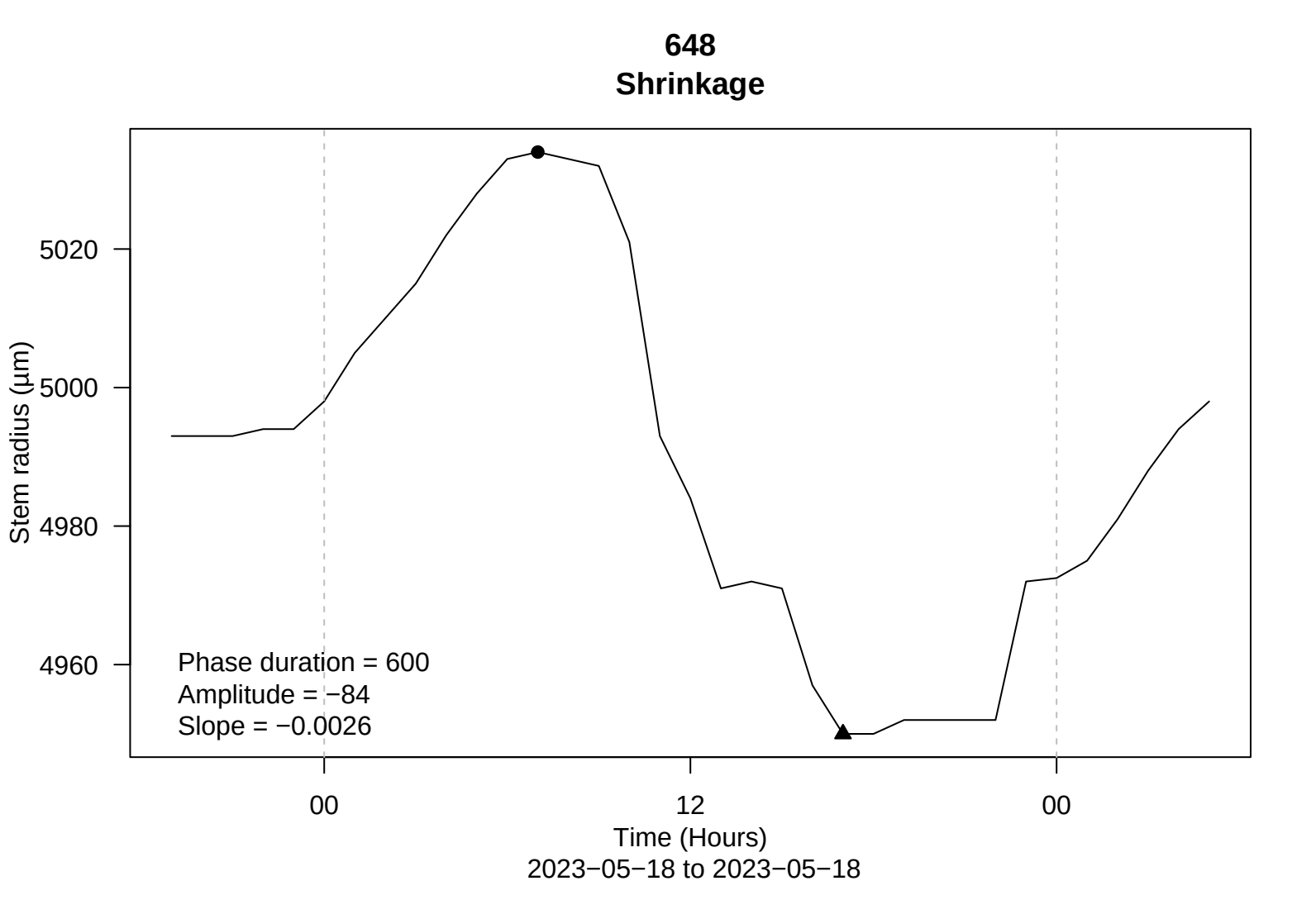

648
Expansion
4900
4850
4800
4750
4700
Stem radius (µm)
12
00
12
Time (Hours)
2023−05−15 to 2023−05−16
Phase duration = 1080
Amplitude = 59
Slope = 0.0011

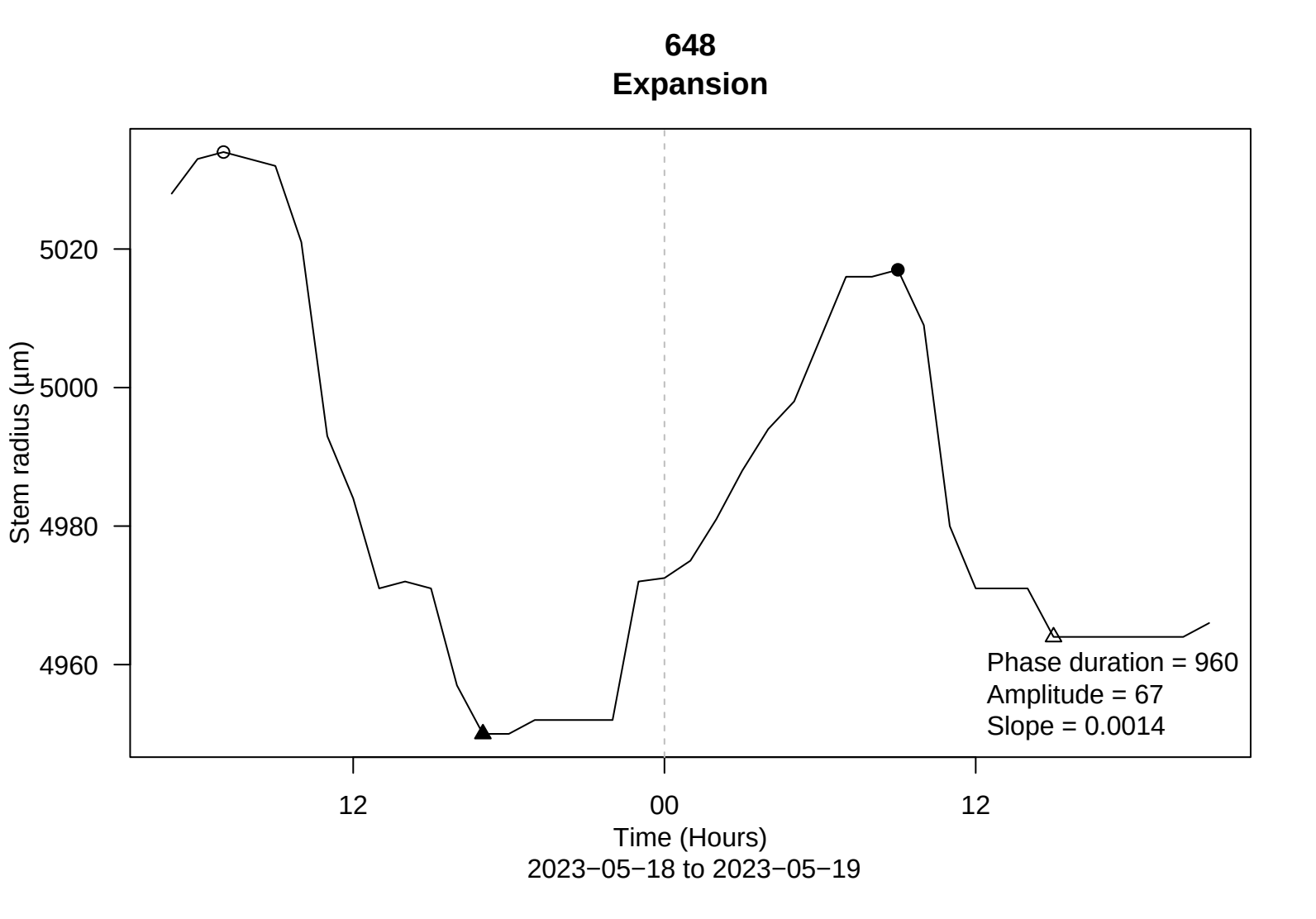

648
Shrinkage
Stem radius (µm)
4950
4900
4850
4800
4750
4700
Phase duration = 420
Amplitude = −66
Slope = −0.0027
00
06
12
18
00
Time (Hours)
2023−05−16 to 2023−05−16

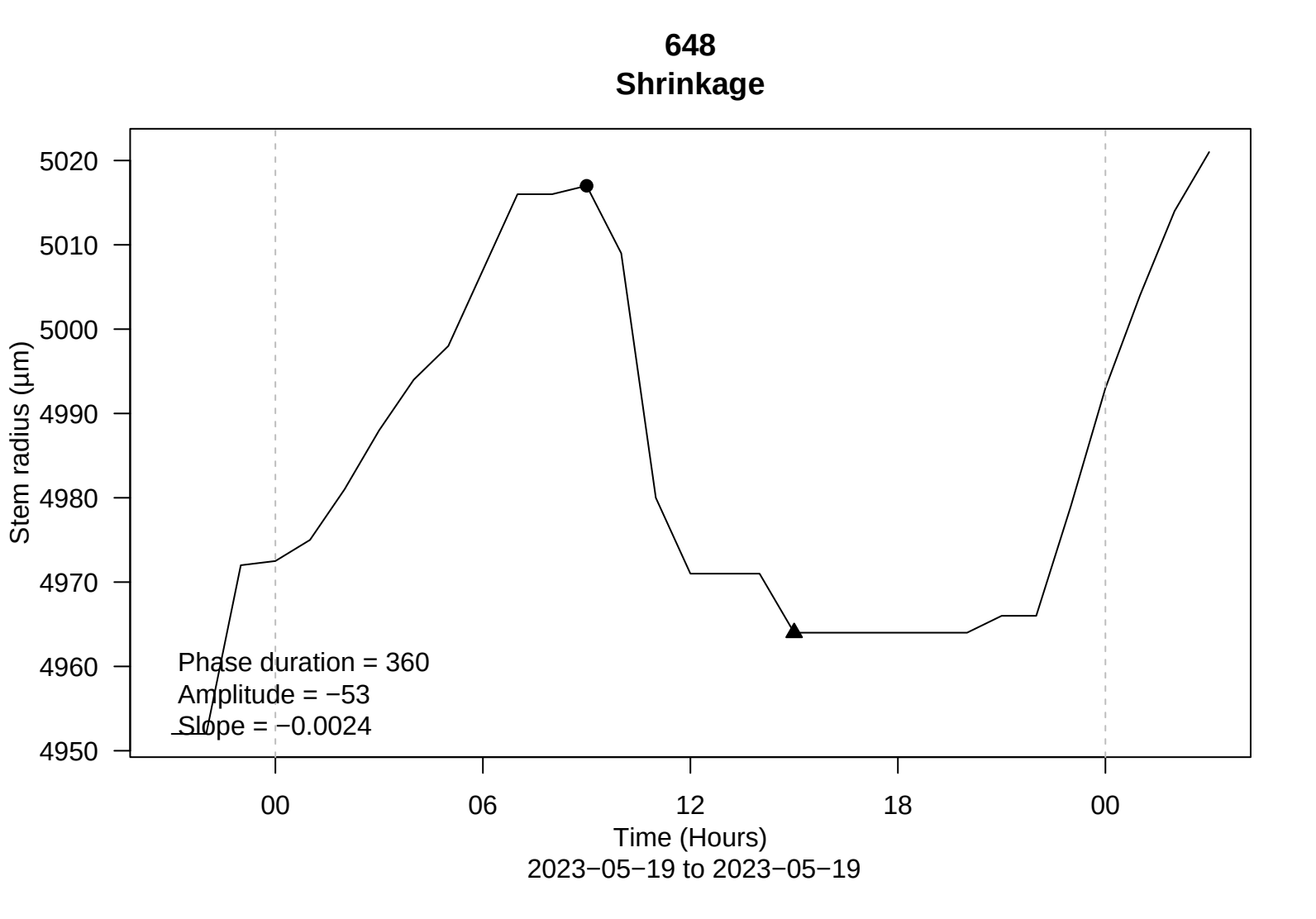

648
Expansion
5000
4950
4900
4850
4800
4750
4700
Stem radius (µm)
12
00
12
Time (Hours)
2023−05−16 to 2023−05−17
Phase duration = 1080
Amplitude = 320
Slope = 0.0037

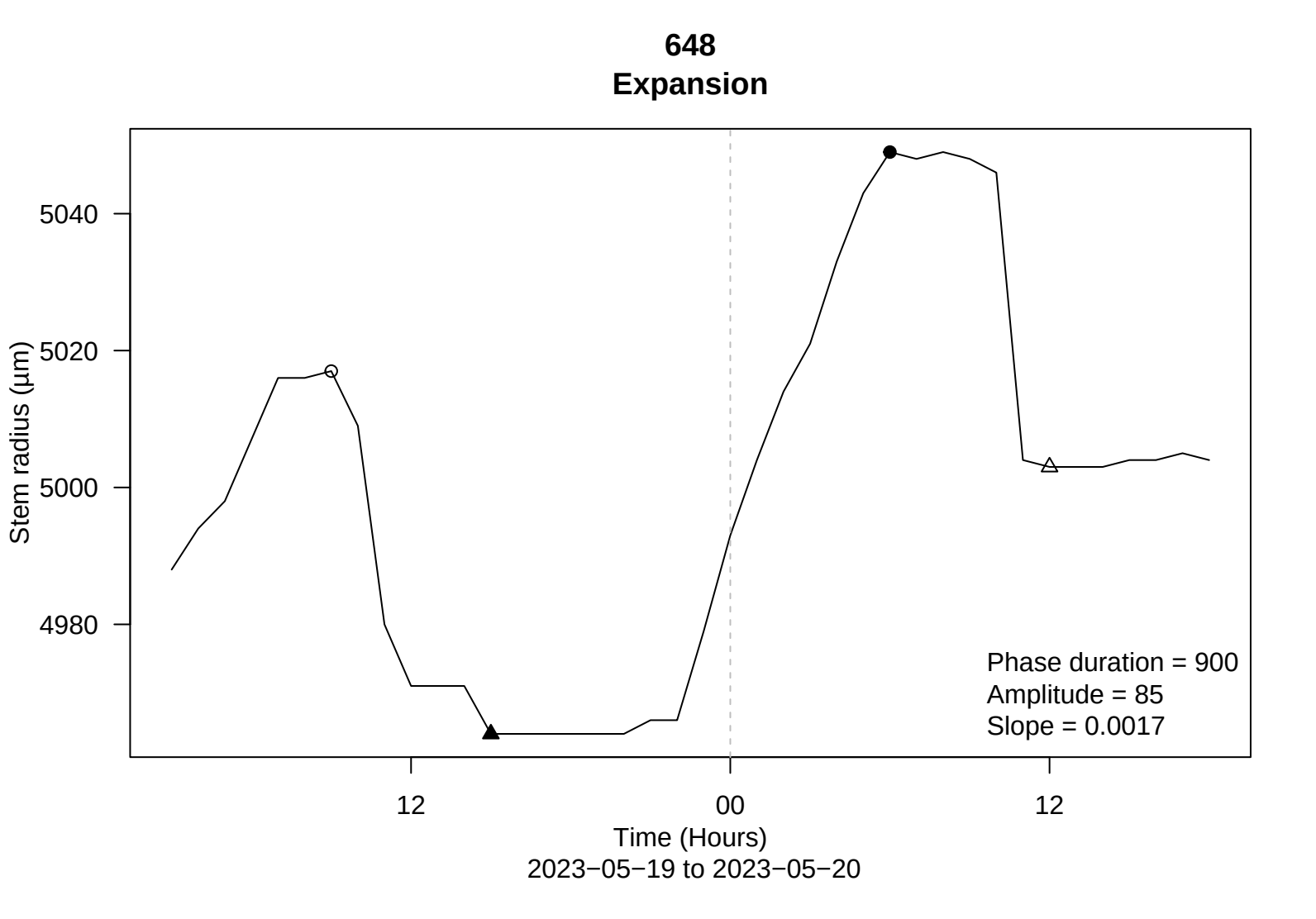

648
Shrinkage
Stem radius (µm)
5020
5000
4980
4960
4940
Phase duration = 420
Amplitude = −34
Slope = −0.0017
00
06
12
18
00
Time (Hours)
2023−05−17 to 2023−05−17

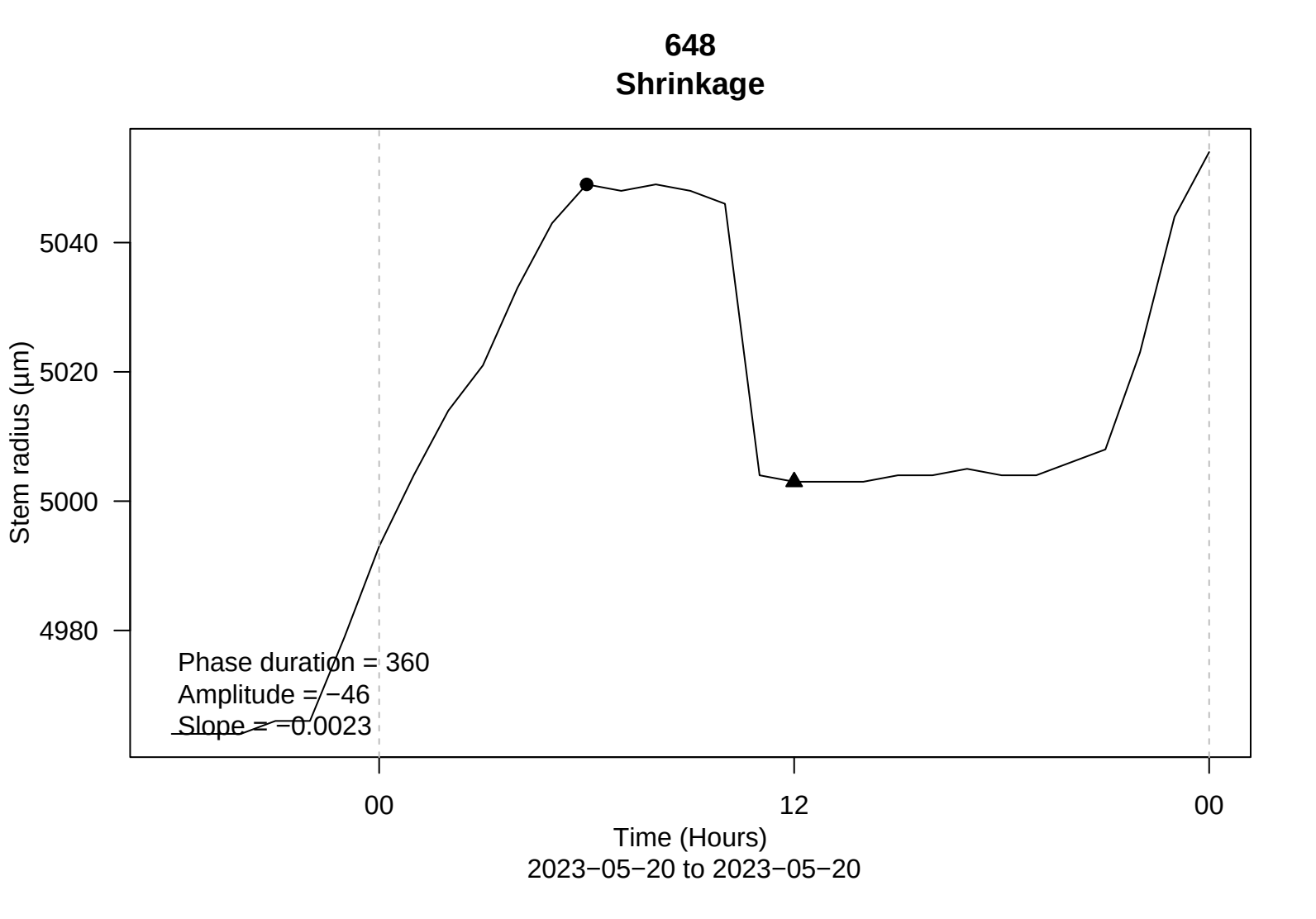

648
Expansion
Stem radius (µm)
5020
5000
4980
4960
12
00
12
Time (Hours)
2023−05−17 to 2023−05−18
Phase duration = 900
Amplitude = 43
Slope = 9e−04

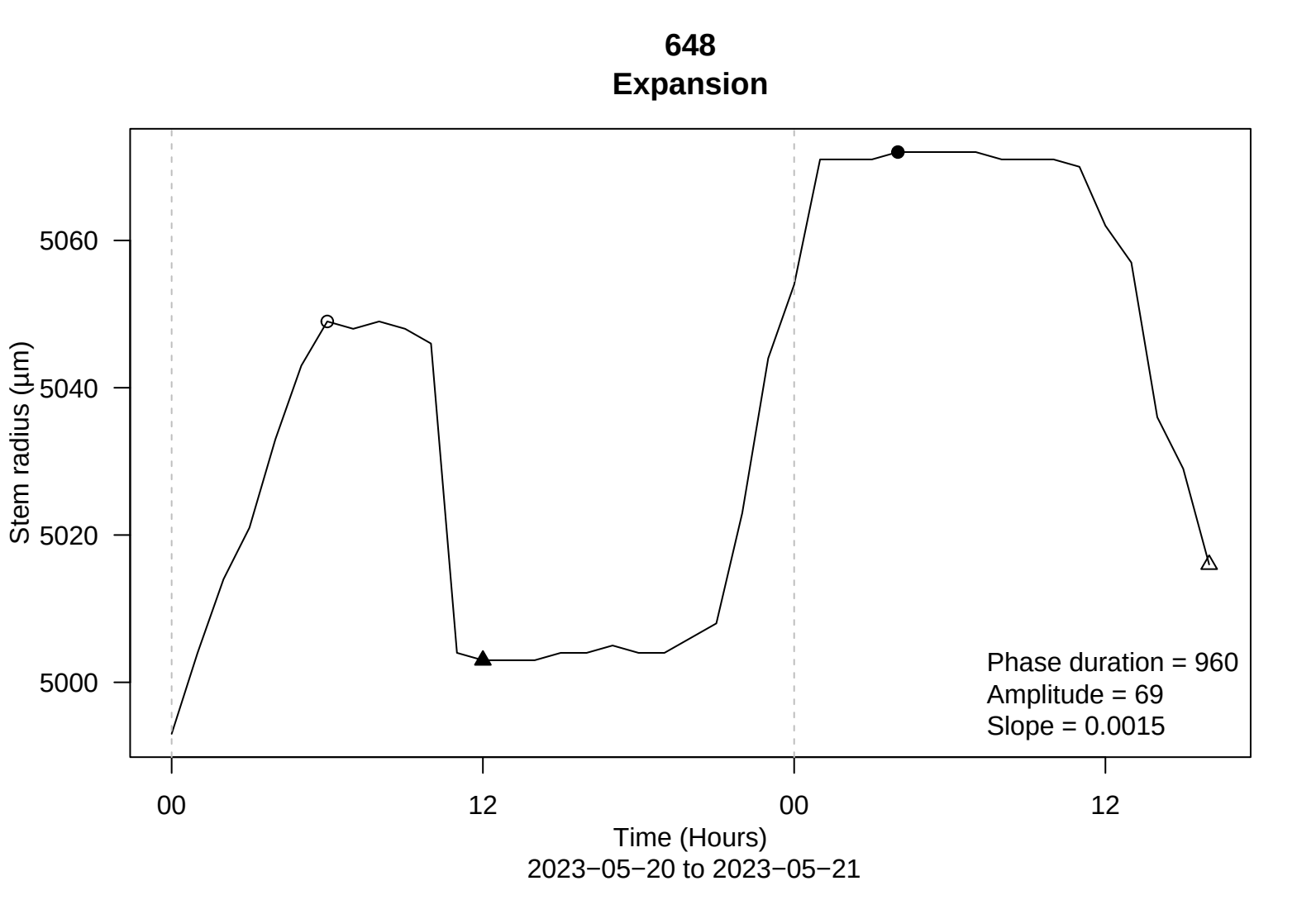

648
Shrinkage
5020
5000
4980
4960
Stem radius (µm)
Phase duration = 600
Amplitude = −84
Slope = −0.0026
00
12
00
Time (Hours)
2023−05−18 to 2023−05−18

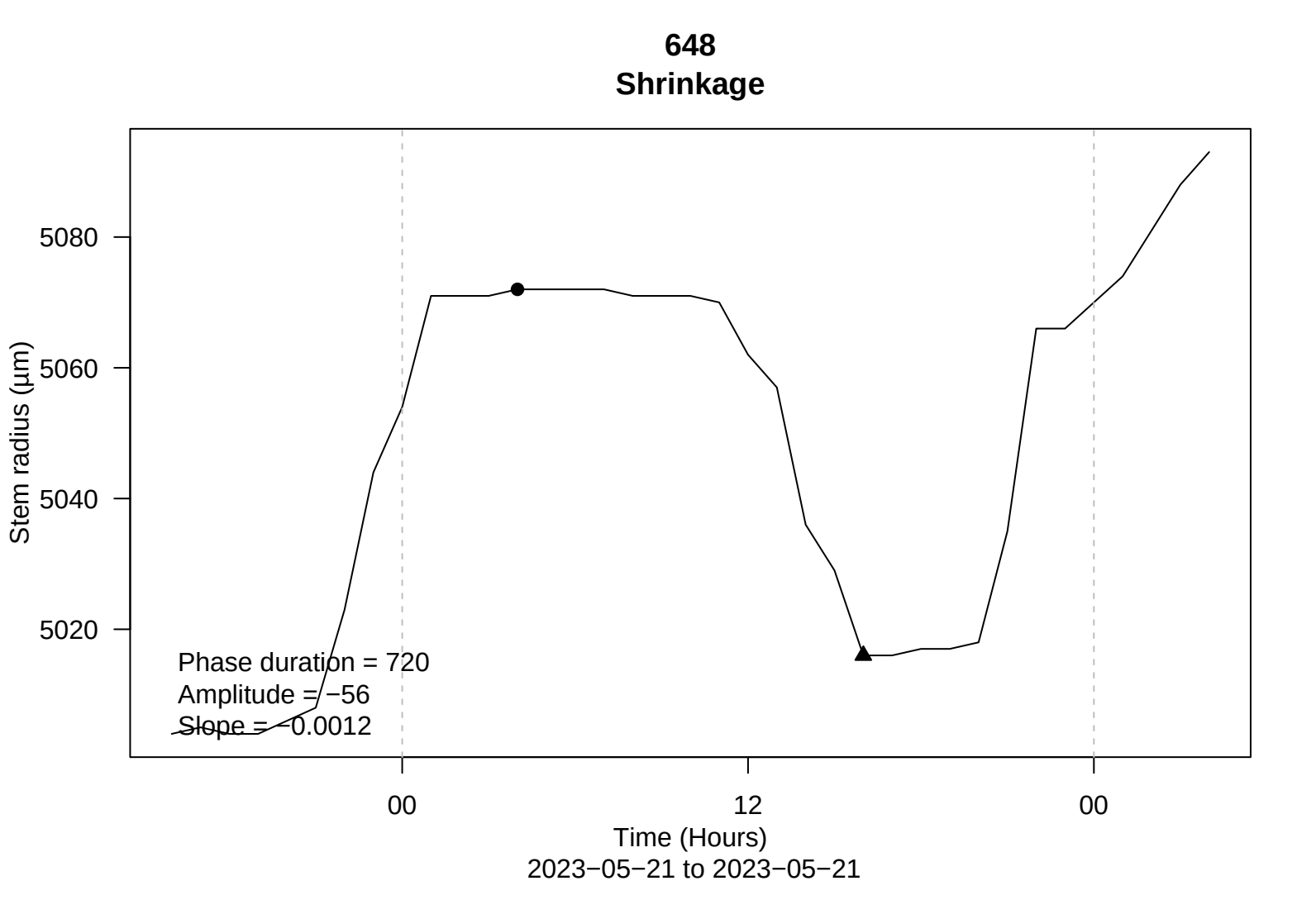

648
Expansion
5020
5000
4980
4960
Stem radius (µm)
Phase duration = 960
Amplitude = 67
Slope = 0.0014
12
00
12
Time (Hours)
2023−05−18 to 2023−05−19

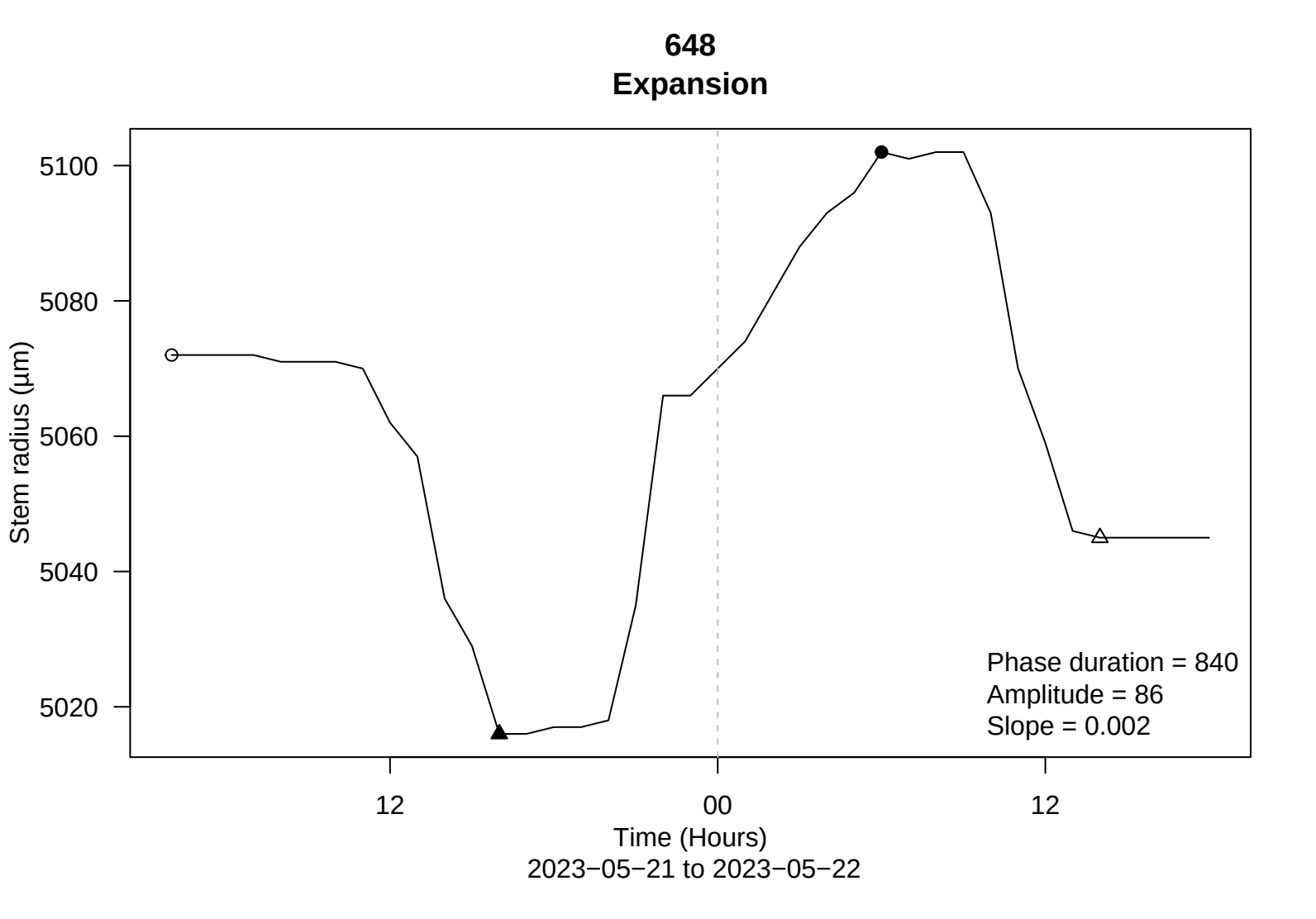

648
Shrinkage
5020
5010
5000
4990
4980
4970
4960
4950
Stem radius (µm)
Phase duration = 360
Amplitude = −53
Slope = −0.0024
00
06
12
18
00
Time (Hours)
2023−05−19 to 2023−05−19

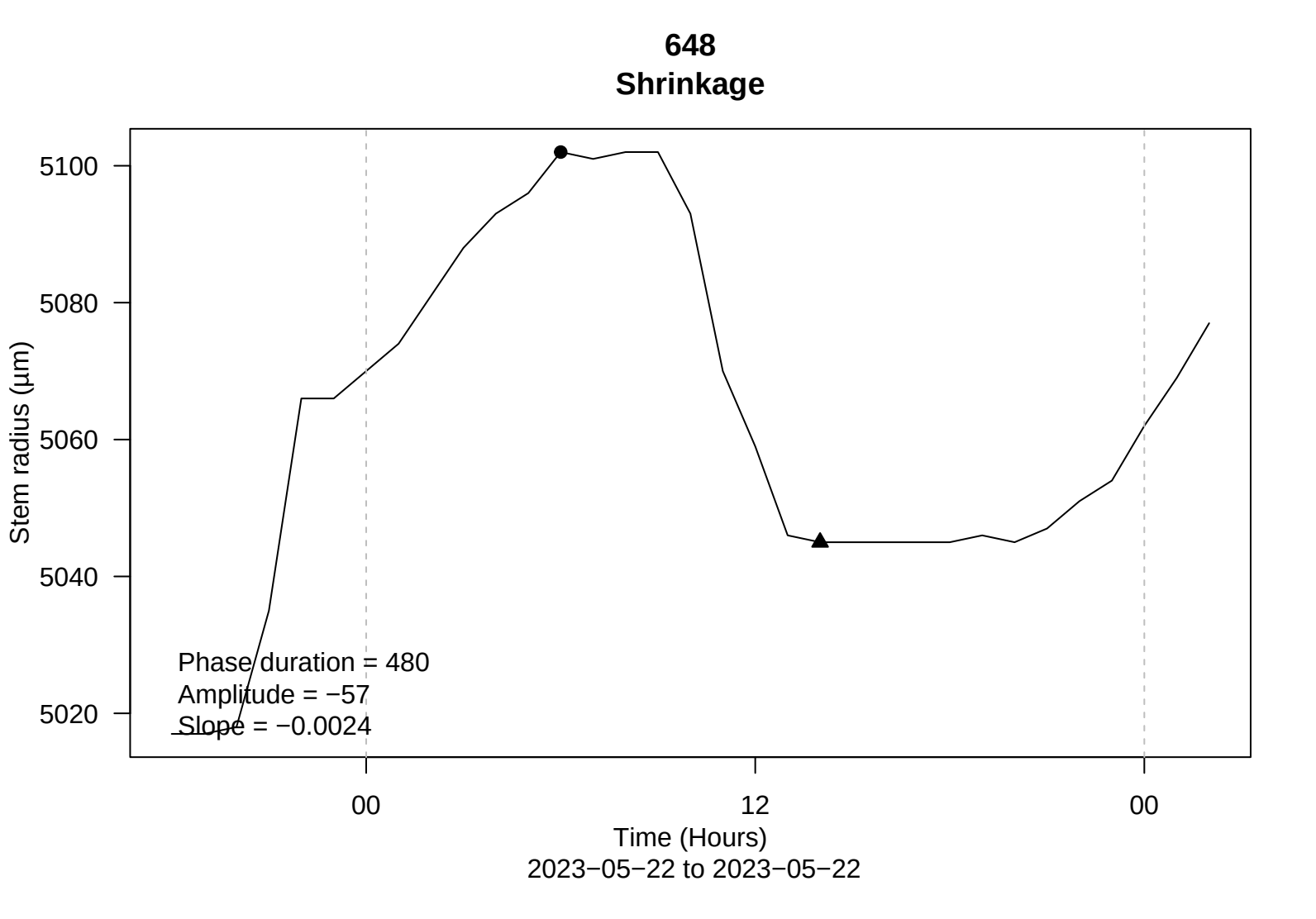

648
Expansion
5040
5020
5000
4980
Stem radius (µm)
Phase duration = 900
Amplitude = 85
Slope = 0.0017
12
00
12
Time (Hours)
2023−05−19 to 2023−05−20

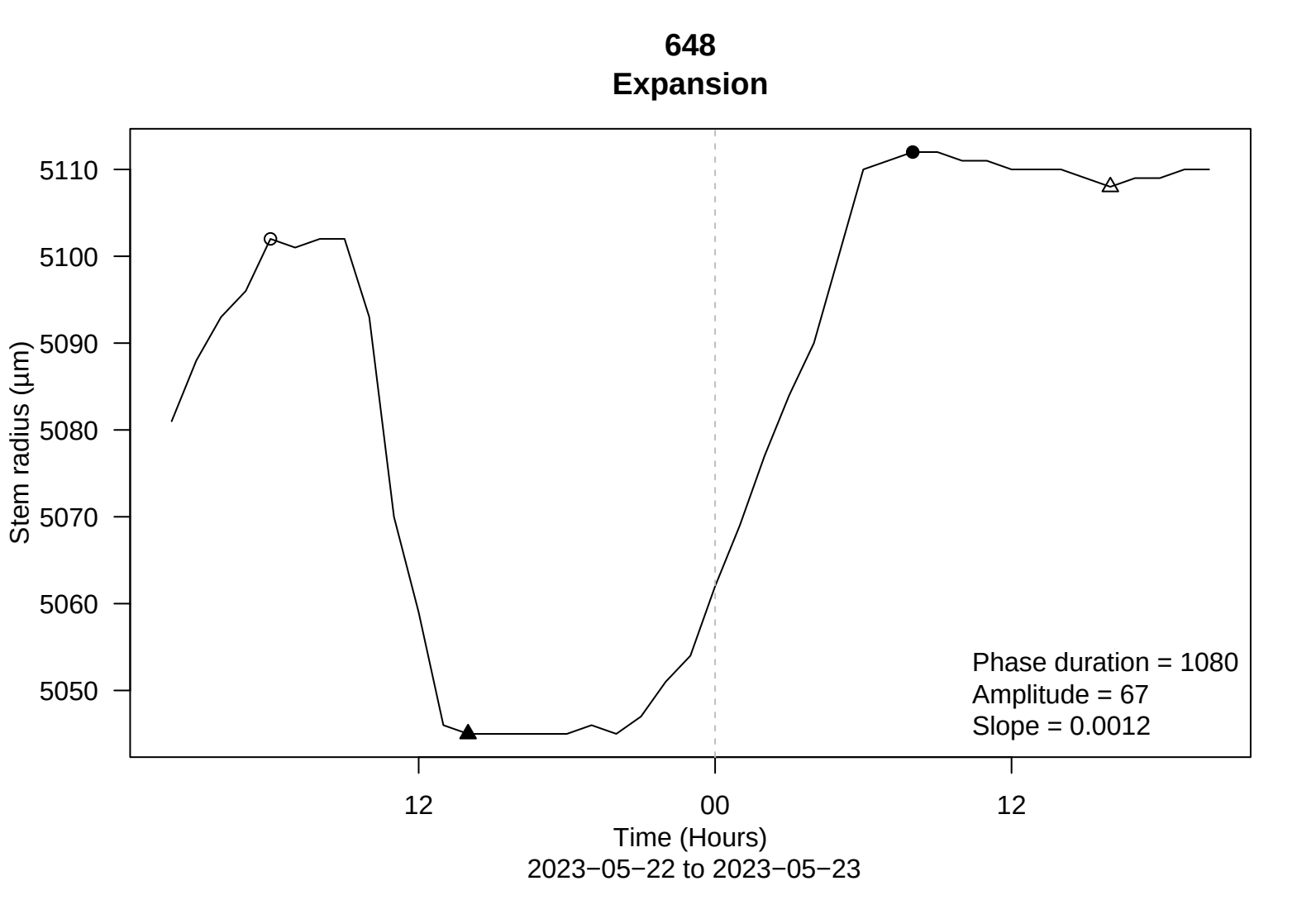

648
Shrinkage
5040
5020
5000
4980
Stem radius (µm)
Phase duration = 360
Amplitude = −46
Slope = −0.0023
00
12
00
Time (Hours)
2023−05−20 to 2023−05−20

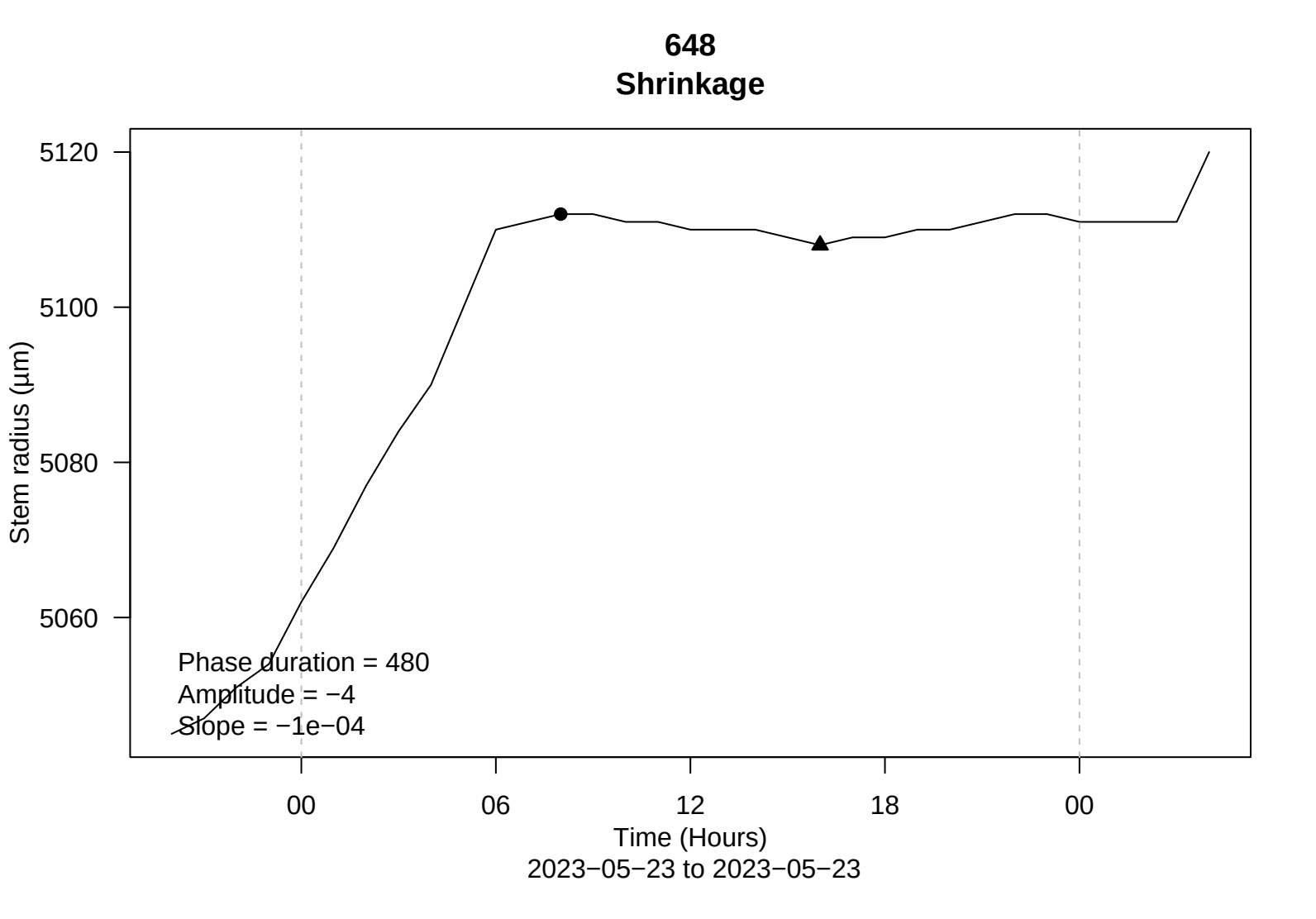

648
Expansion
5060
5040
5020
5000
Stem radius (µm)
Phase duration = 960
Amplitude = 69
Slope = 0.0015
00
12
00
12
Time (Hours)
2023−05−20 to 2023−05−21

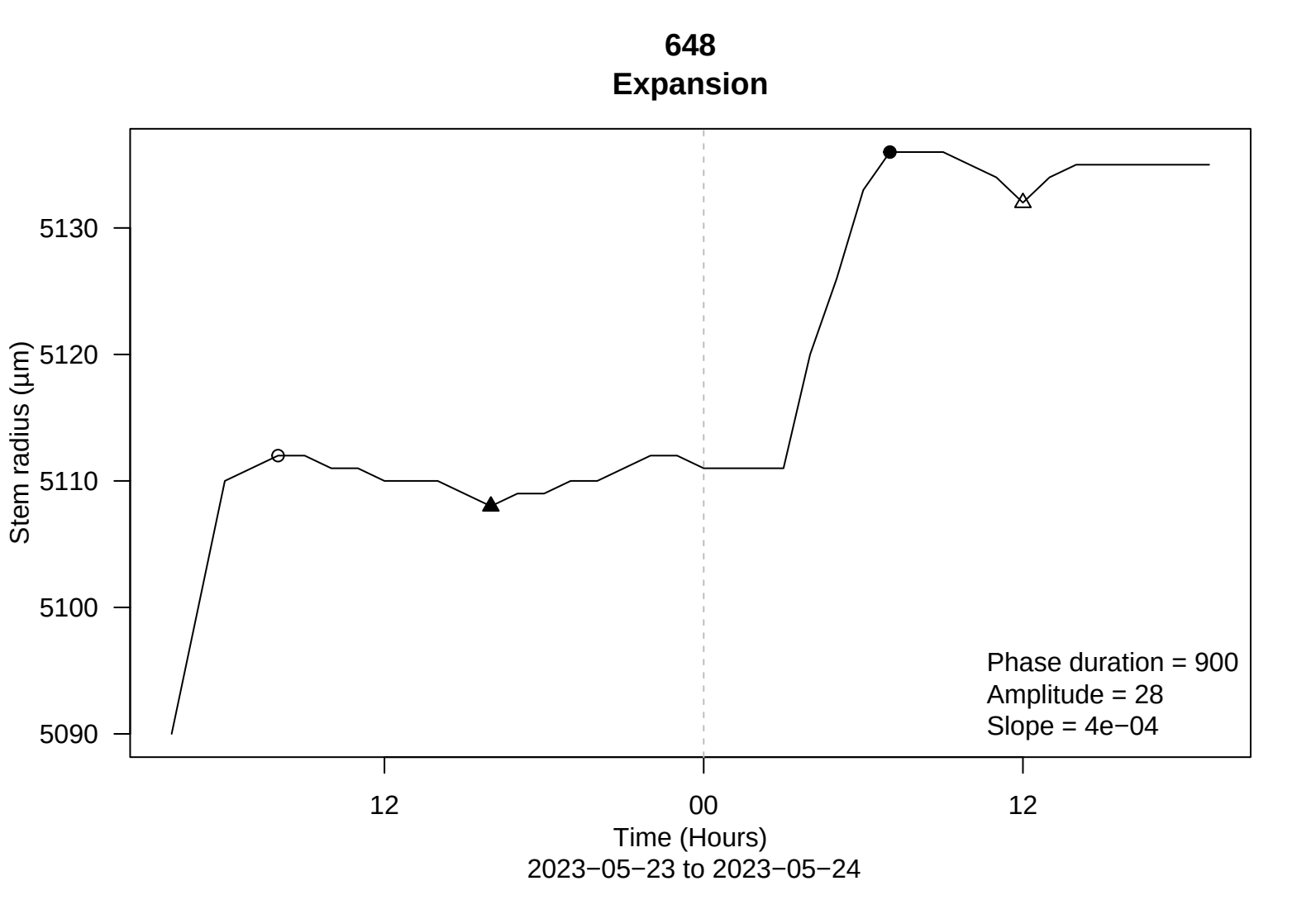

648
Shrinkage
5080
5060
5040
5020
Stem radius (µm)
Phase duration = 720
Amplitude = −56
Slope = −0.0012
00
12
00
Time (Hours)
2023−05−21 to 2023−05−21

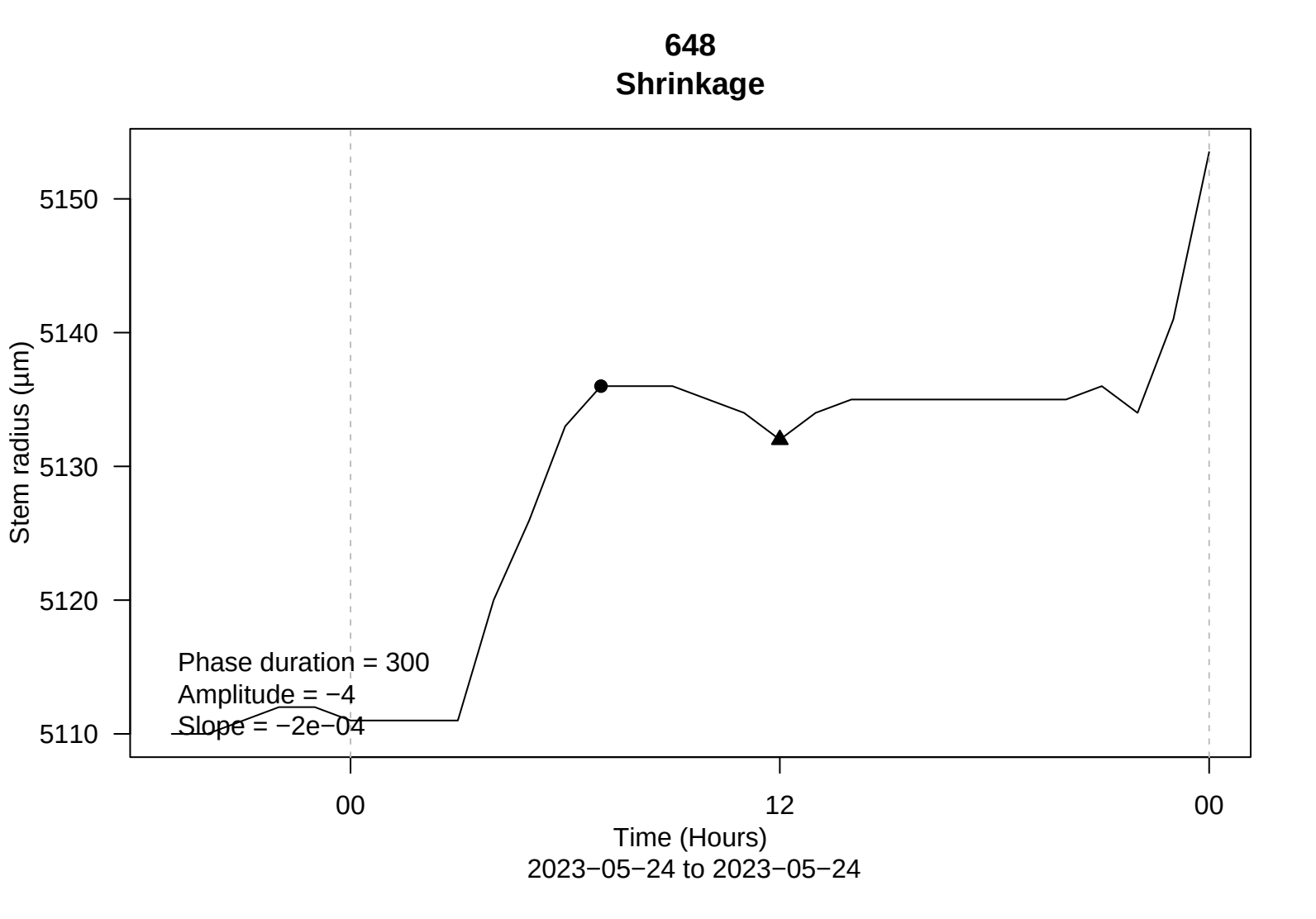

648
Expansion
5100
5080
5060
5040
5020
Stem radius (µm)
12
00
12
Time (Hours)
2023−05−21 to 2023−05−22
Phase duration = 840
Amplitude = 86
Slope = 0.002

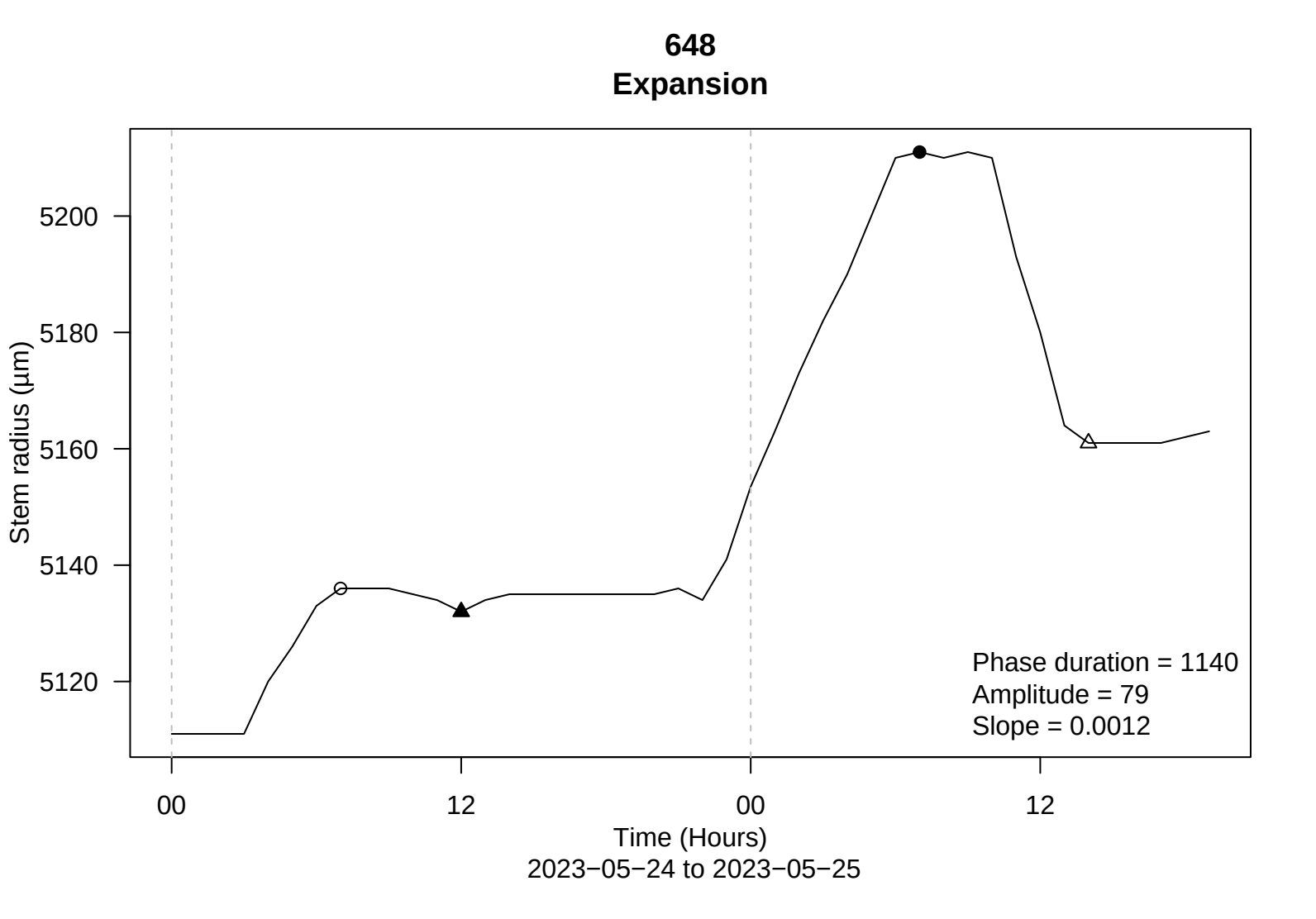

648
Shrinkage
5100
5080
5060
5040
5020
Stem radius (µm)
Phase duration = 480
Amplitude = −57
Slope = −0.0024
00
12
00
Time (Hours)
2023−05−22 to 2023−05−22

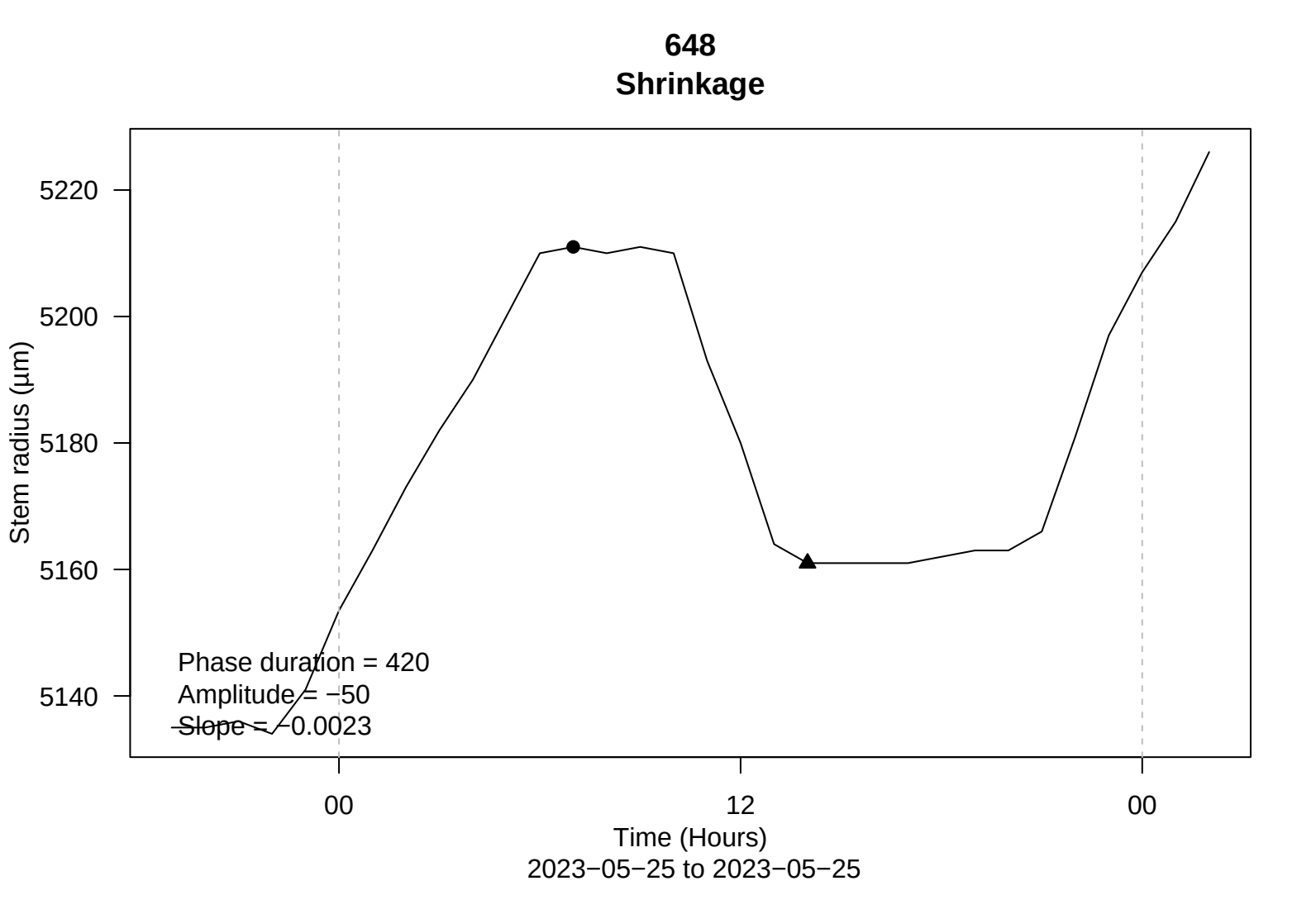

648
Expansion
5110
5100
5090
5080
5070
5060
5050
Stem radius (µm)
Phase duration = 1080
Amplitude = 67
Slope = 0.0012
12
00
12
Time (Hours)
2023−05−22 to 2023−05−23

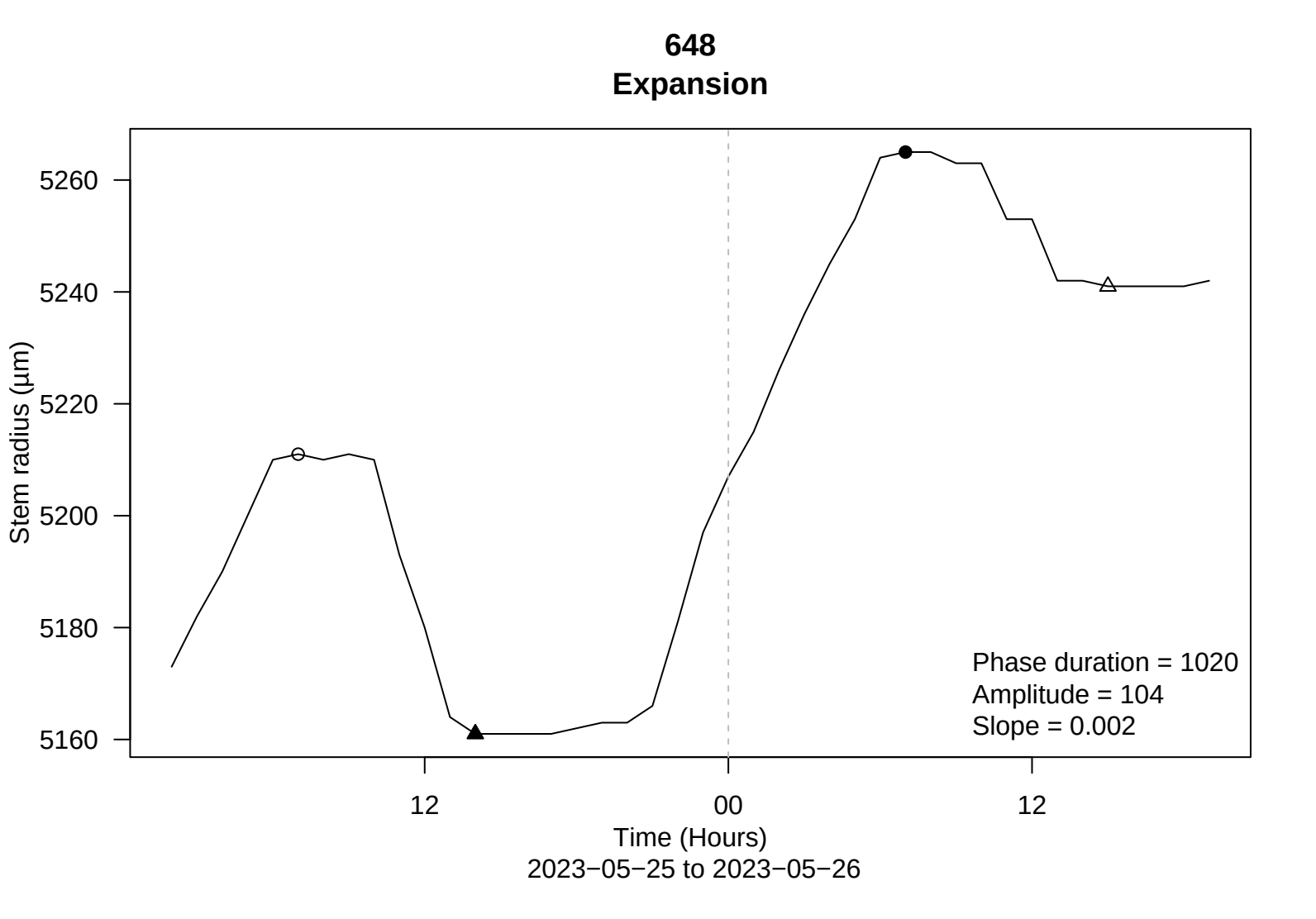

648
Shrinkage
5120
5100
5080
5060
Stem radius (µm)
Phase duration = 480
Amplitude = −4
Slope = −1e−04
00
06
12
18
00
Time (Hours)
2023−05−23 to 2023−05−23

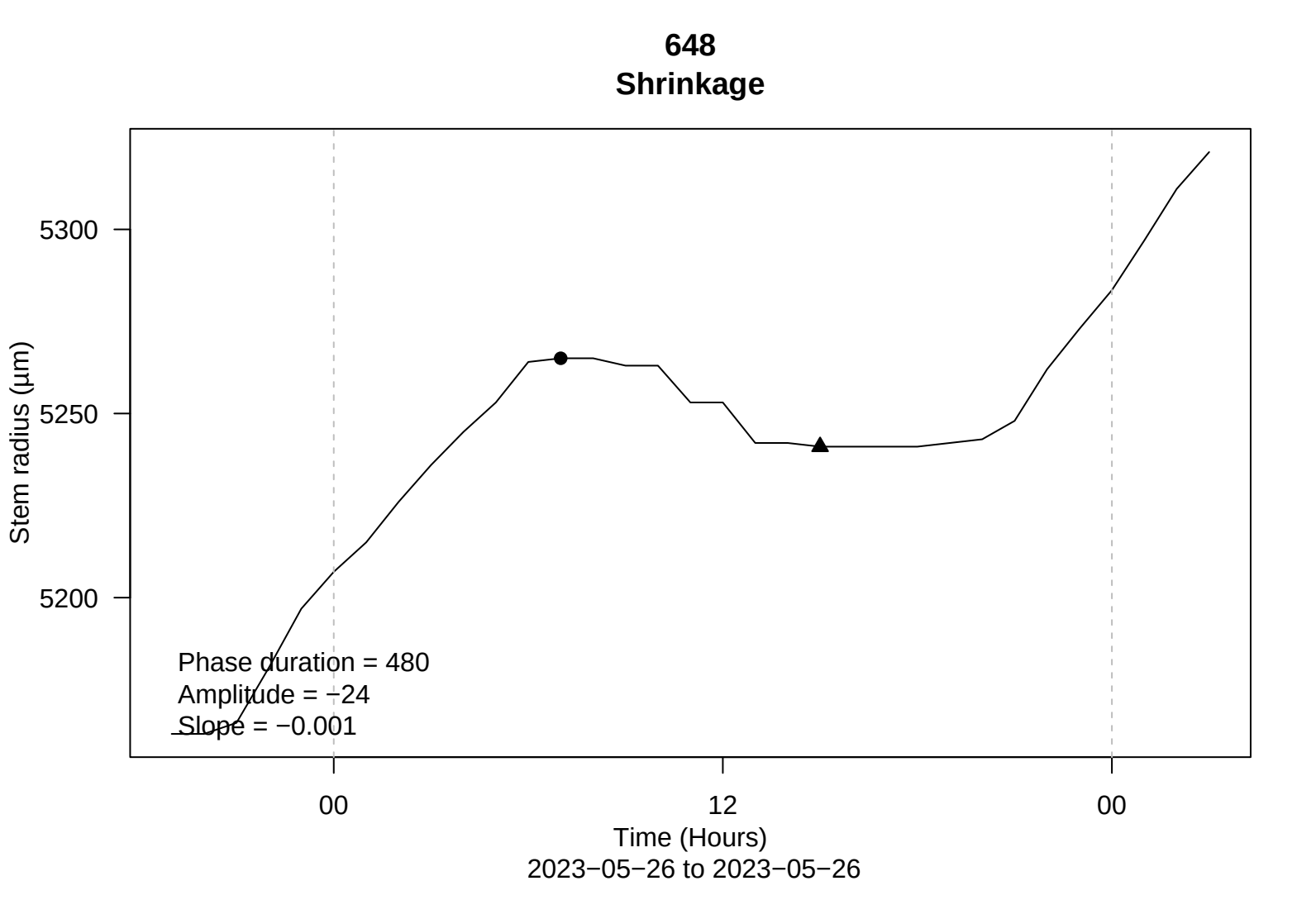

648
Expansion
5130
5120
5110
5100
5090
Stem radius (µm)
Phase duration = 900
Amplitude = 28
Slope = 4e−04
12
00
12
Time (Hours)
2023−05−23 to 2023−05−24

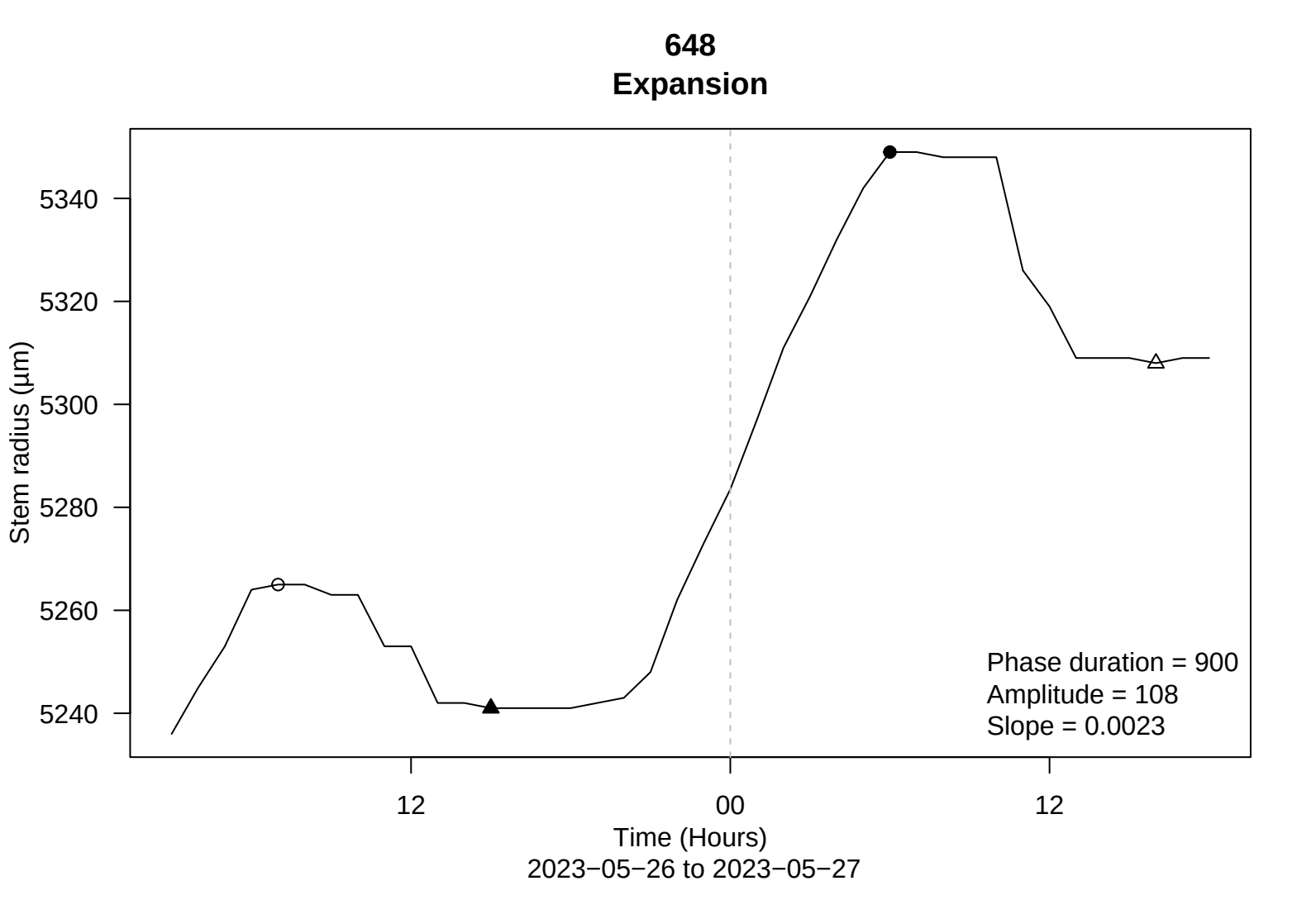

648
Shrinkage
5150
5140
5130
5120
5110
Stem radius (µm)
Phase duration = 300
Amplitude = −4
Slope = −2e−04
00
12
00
Time (Hours)
2023−05−24 to 2023−05−24

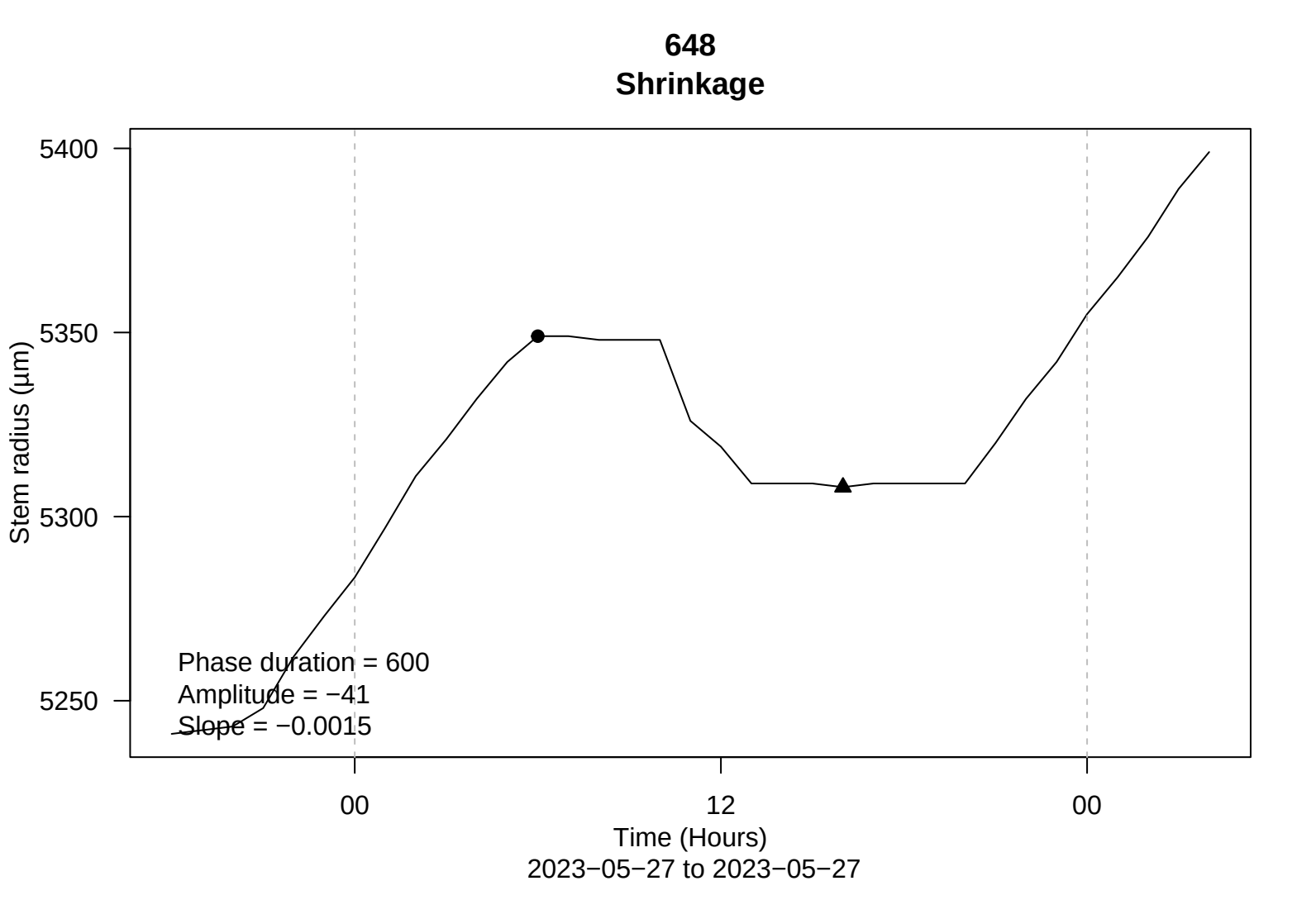

648
Expansion
5200
5180
5160
5140
5120
Stem radius (µm)
Phase duration = 1140
Amplitude = 79
Slope = 0.0012
00
12
00
12
Time (Hours)
2023−05−24 to 2023−05−25

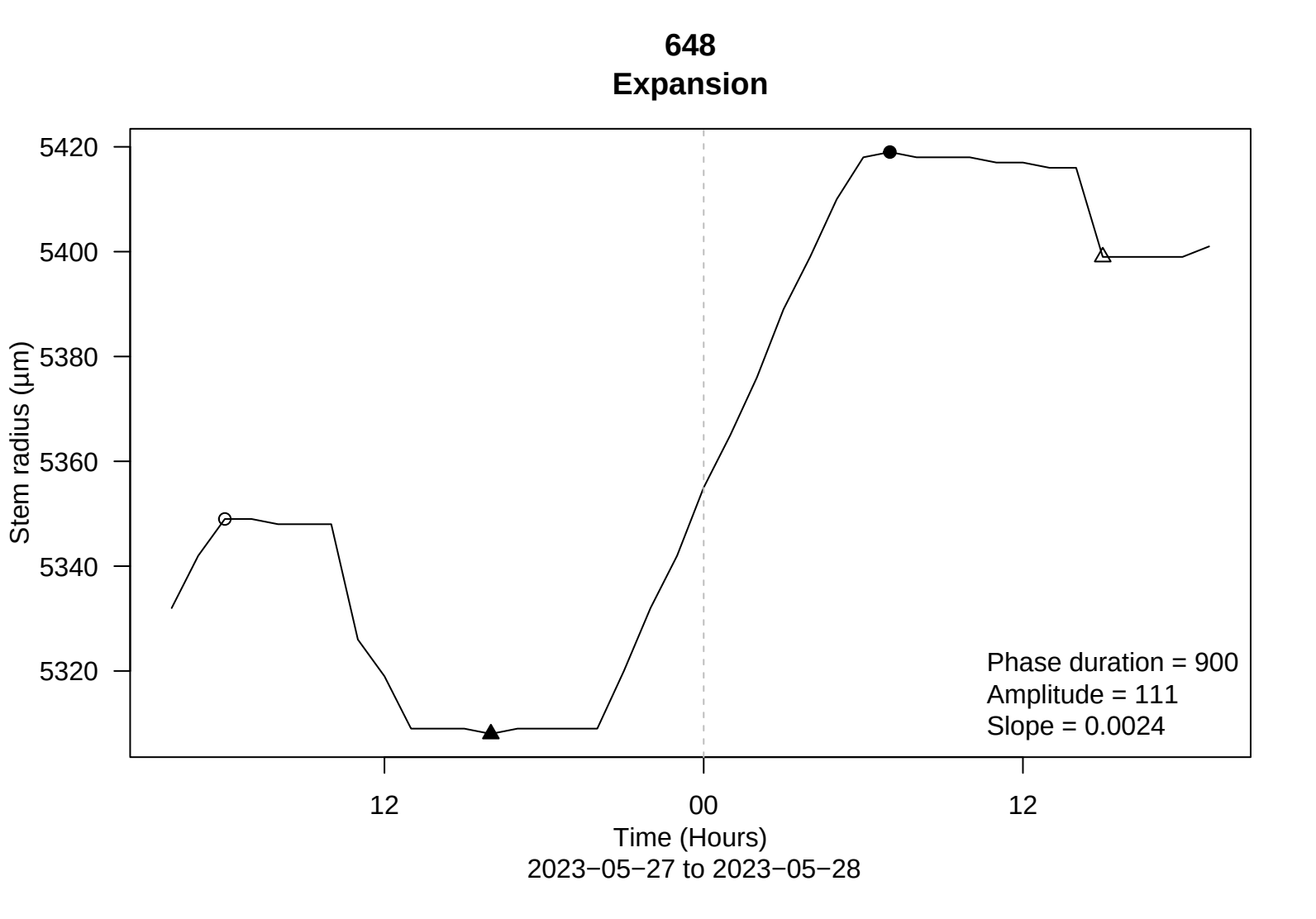

648
Shrinkage
5220
5200
5180
5160
5140
Stem radius (µm)
Phase duration = 420
Amplitude = −50
Slope = −0.0023
00
12
00
Time (Hours)
2023−05−25 to 2023−05−25

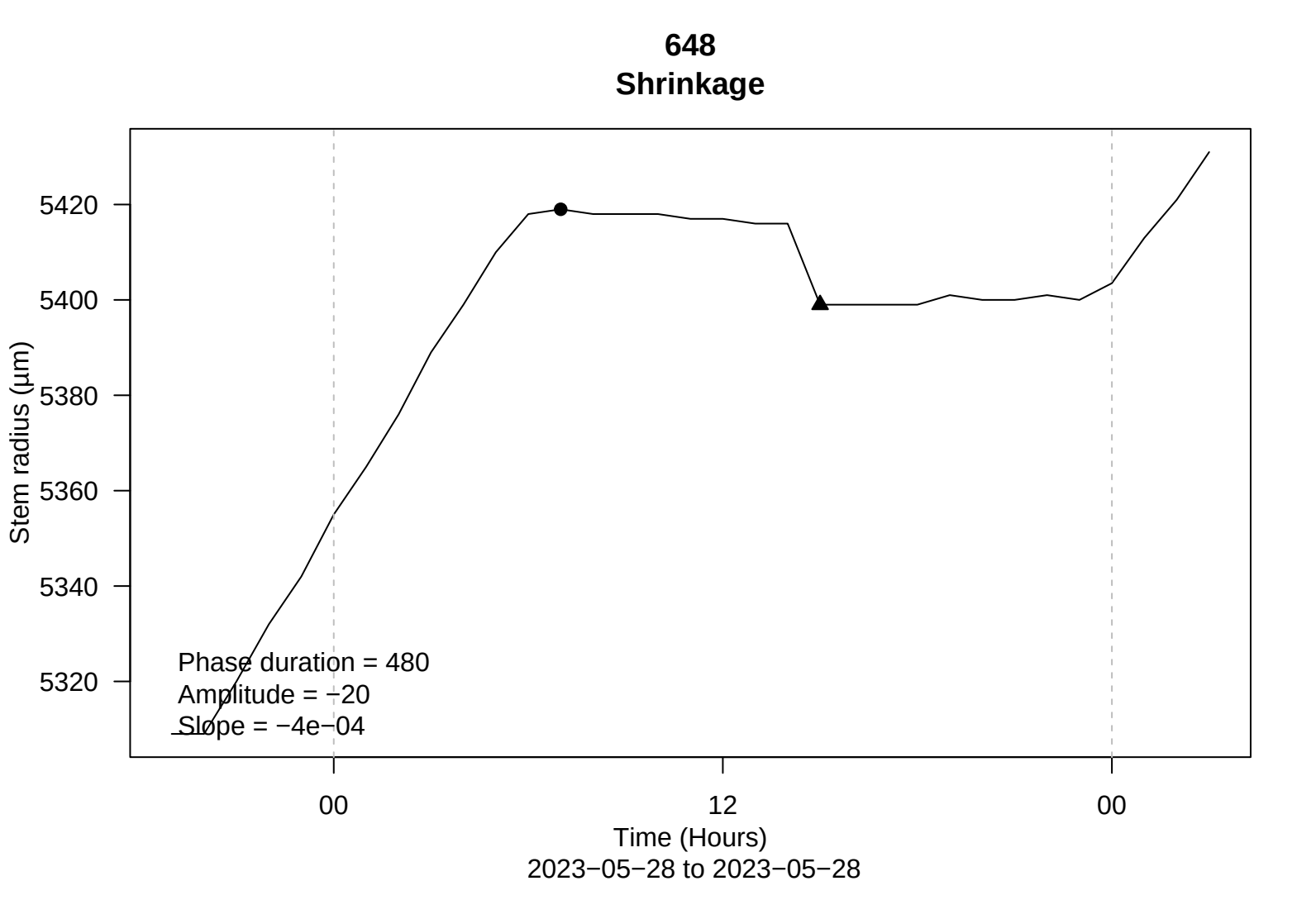

648
Expansion
5260
5240
5220
5200
5180
5160
Stem radius (µm)
12
00
12
Time (Hours)
2023−05−25 to 2023−05−26
Phase duration = 1020
Amplitude = 104
Slope = 0.002

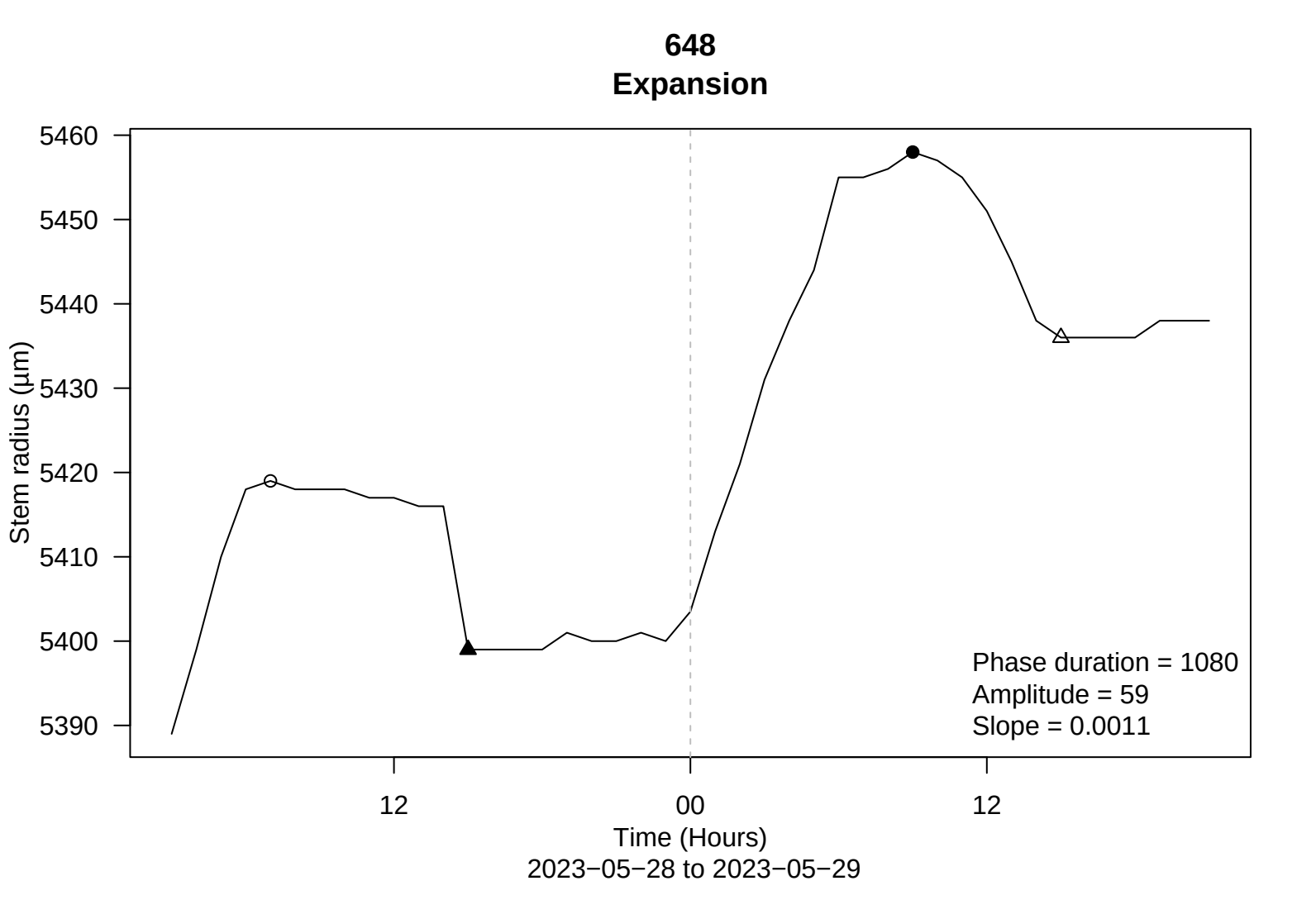

648
Shrinkage
5300
5250
5200
Stem radius (µm)
Phase duration = 480
Amplitude = −24
Slope = −0.001
00
12
00
Time (Hours)
2023−05−26 to 2023−05−26

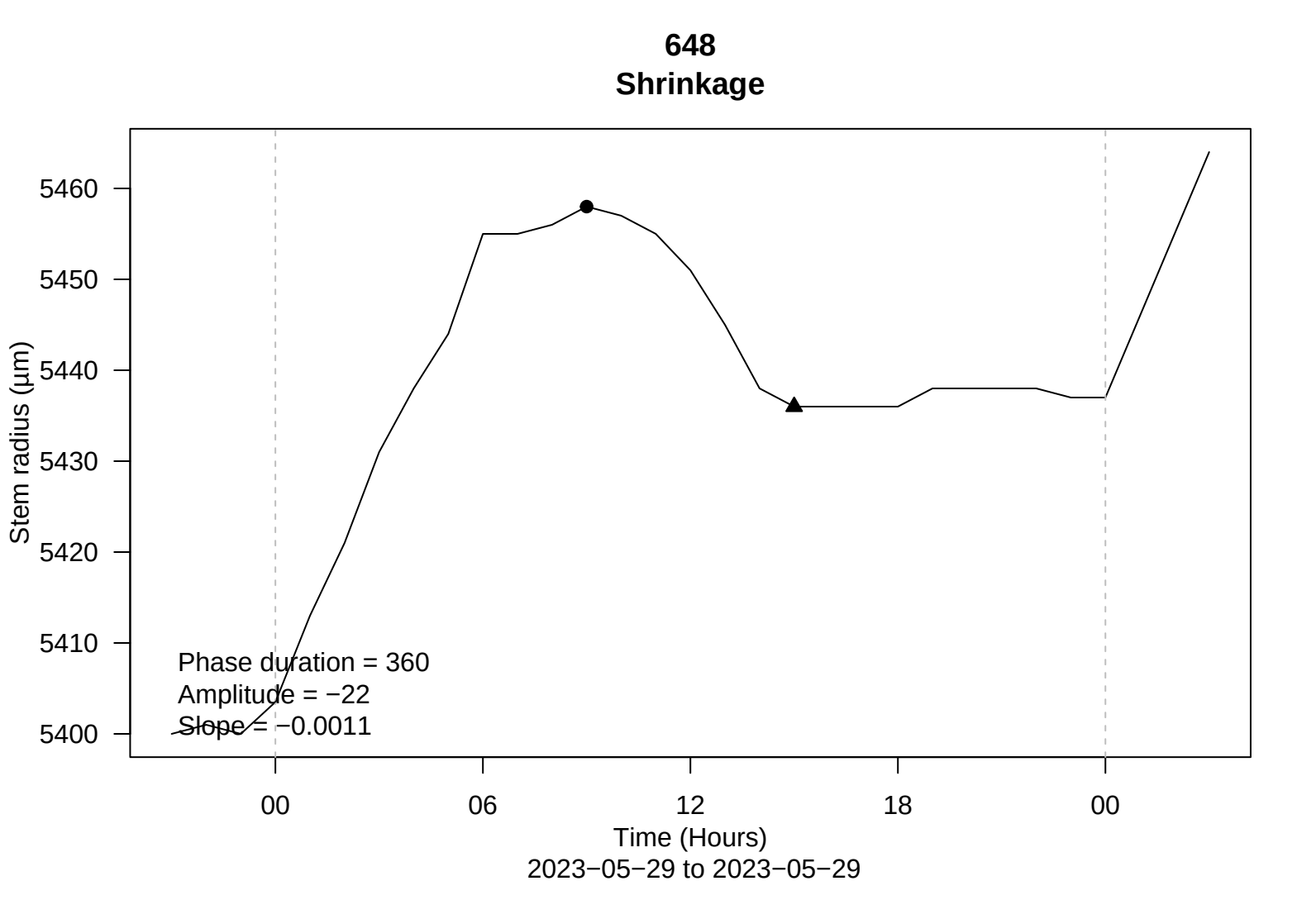

648
Expansion
5340
5320
5300
5280
5260
5240
Stem radius (µm)
Phase duration = 900
Amplitude = 108
Slope = 0.0023
12
00
12
Time (Hours)
2023−05−26 to 2023−05−27

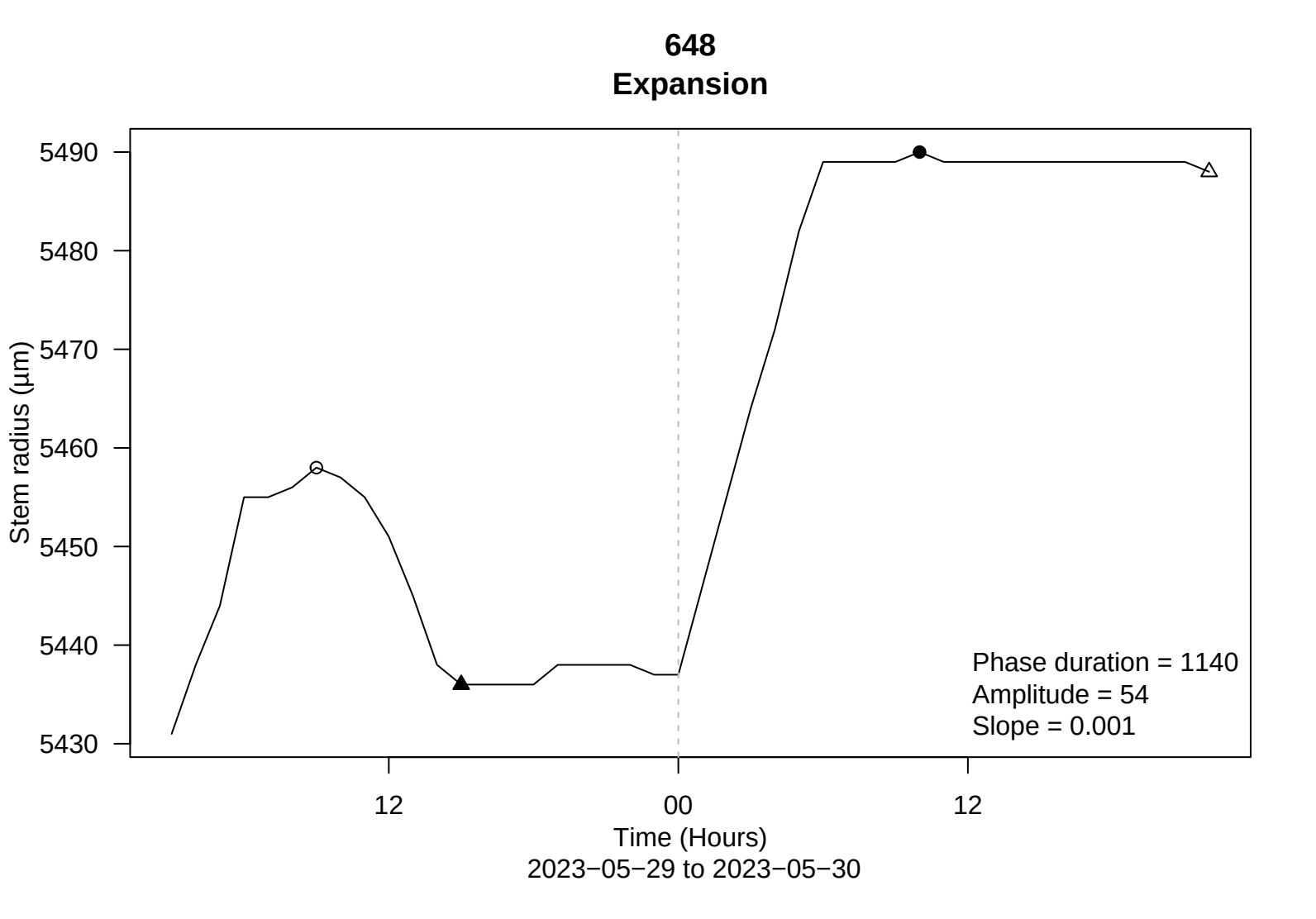

648
Shrinkage
5400
5350
5300
5250
Stem radius (µm)
Phase duration = 600
Amplitude = −41
Slope = −0.0015
00
12
00
Time (Hours)
2023−05−27 to 2023−05−27

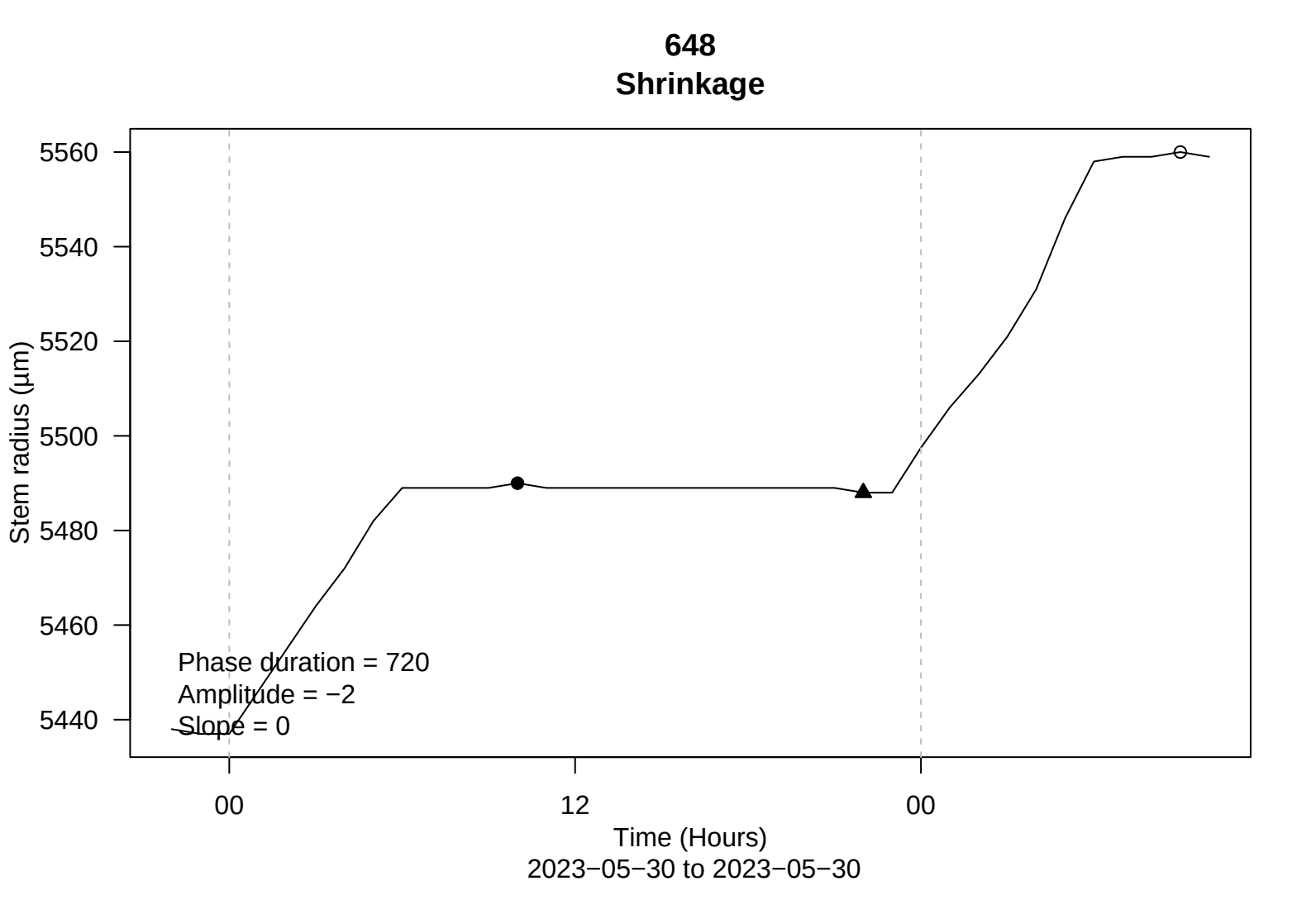

648
Expansion
5420
5400
5380
5360
5340
5320
Stem radius (µm)
Phase duration = 900
Amplitude = 111
Slope = 0.0024
12
00
12
Time (Hours)
2023−05−27 to 2023−05−28

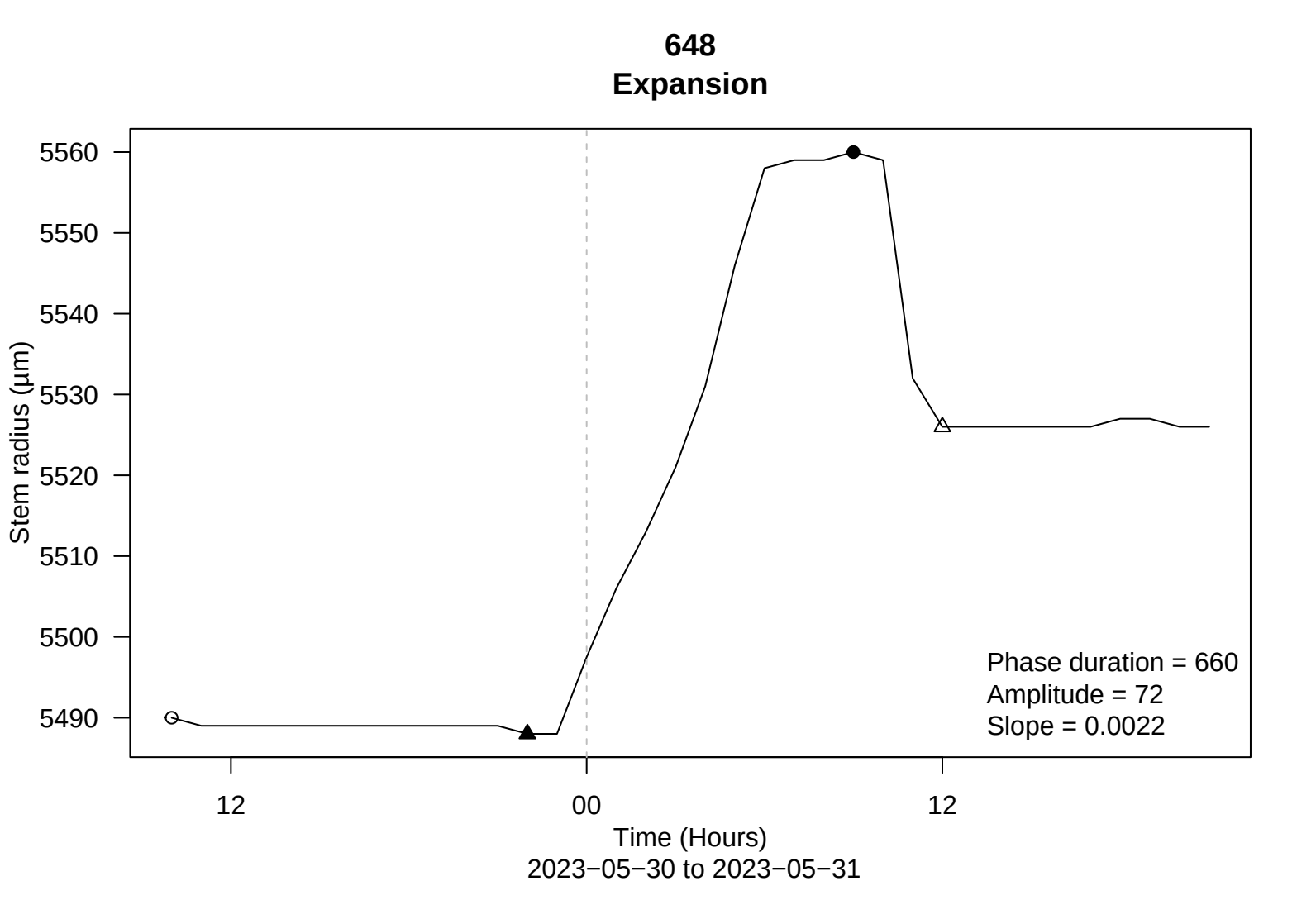

648
Shrinkage
5420
5400
5380
5360
5340
5320
Stem radius (µm)
Phase duration = 480
Amplitude = −20
Slope = −4e−04
00
12
00
Time (Hours)
2023−05−28 to 2023−05−28

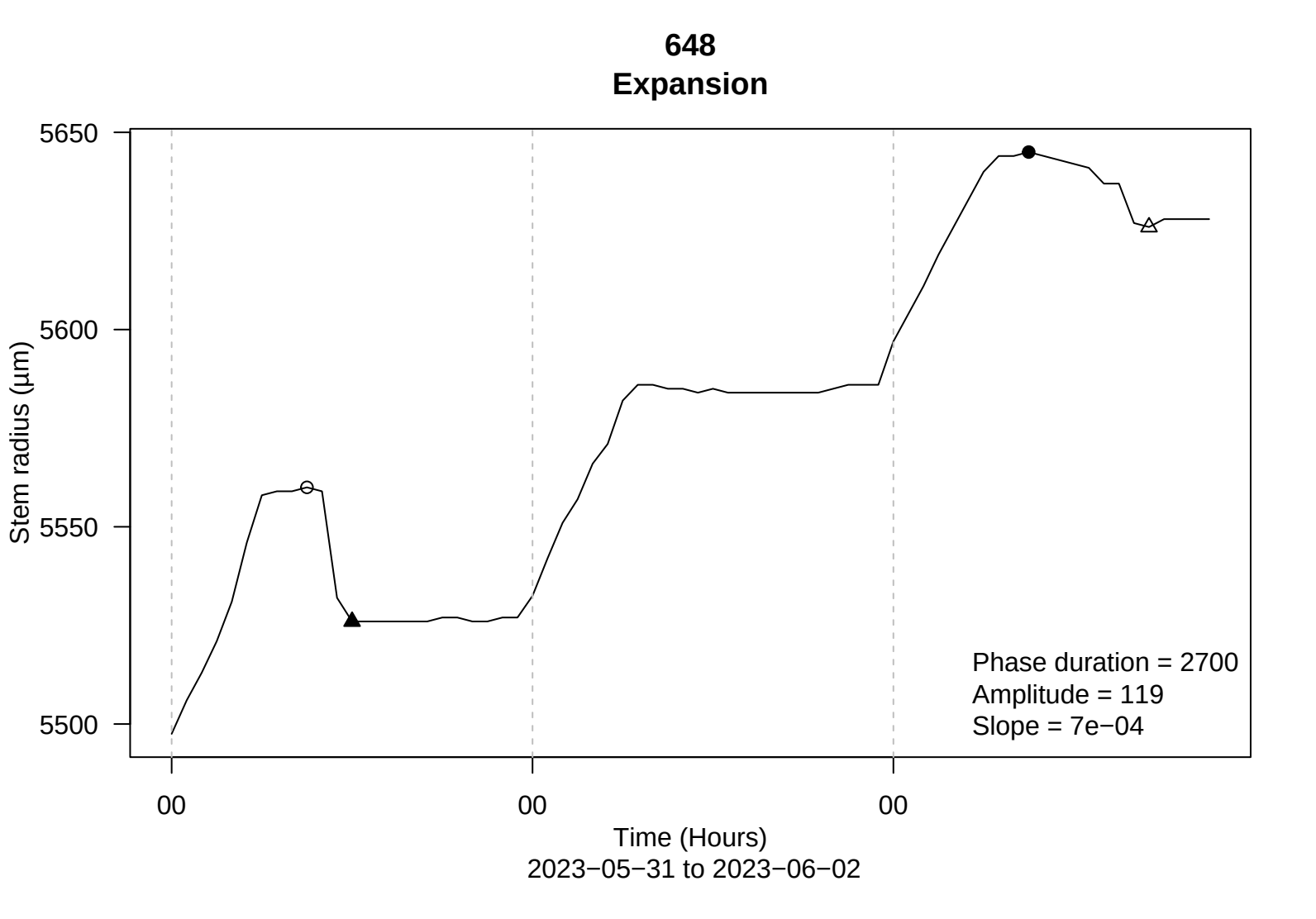

648
Expansion
5460
5450
5440
5430
5420
5410
5400
5390
Stem radius (µm)
12
00
12
Time (Hours)
2023−05−28 to 2023−05−29
Phase duration = 1080
Amplitude = 59
Slope = 0.0011

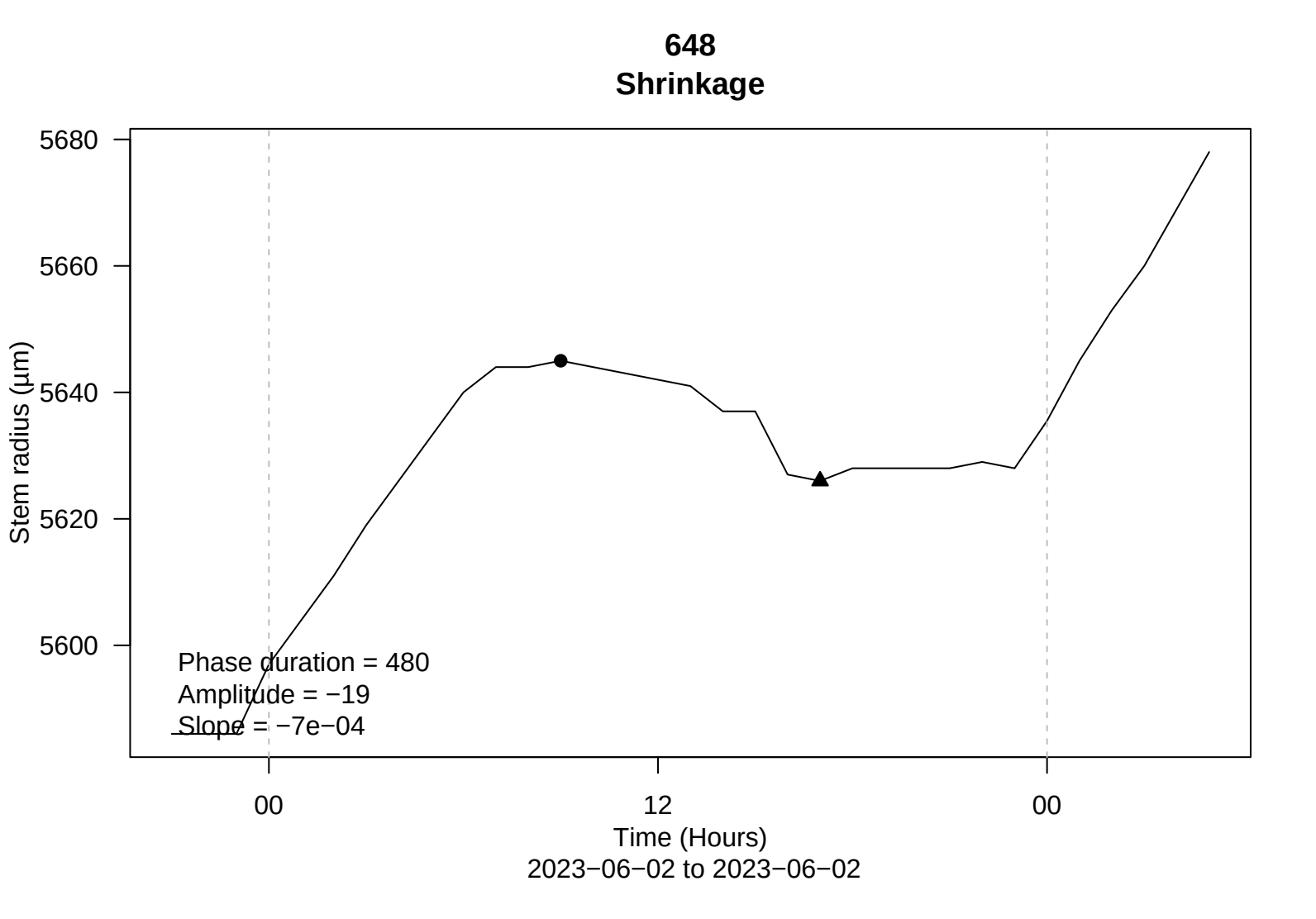

648
Shrinkage
5460
5450
5440
5430
5420
5410
5400
Stem radius (µm)
Phase duration = 360
Amplitude = −22
Slope = −0.0011
00
06
12
18
00
Time (Hours)
2023−05−29 to 2023−05−29

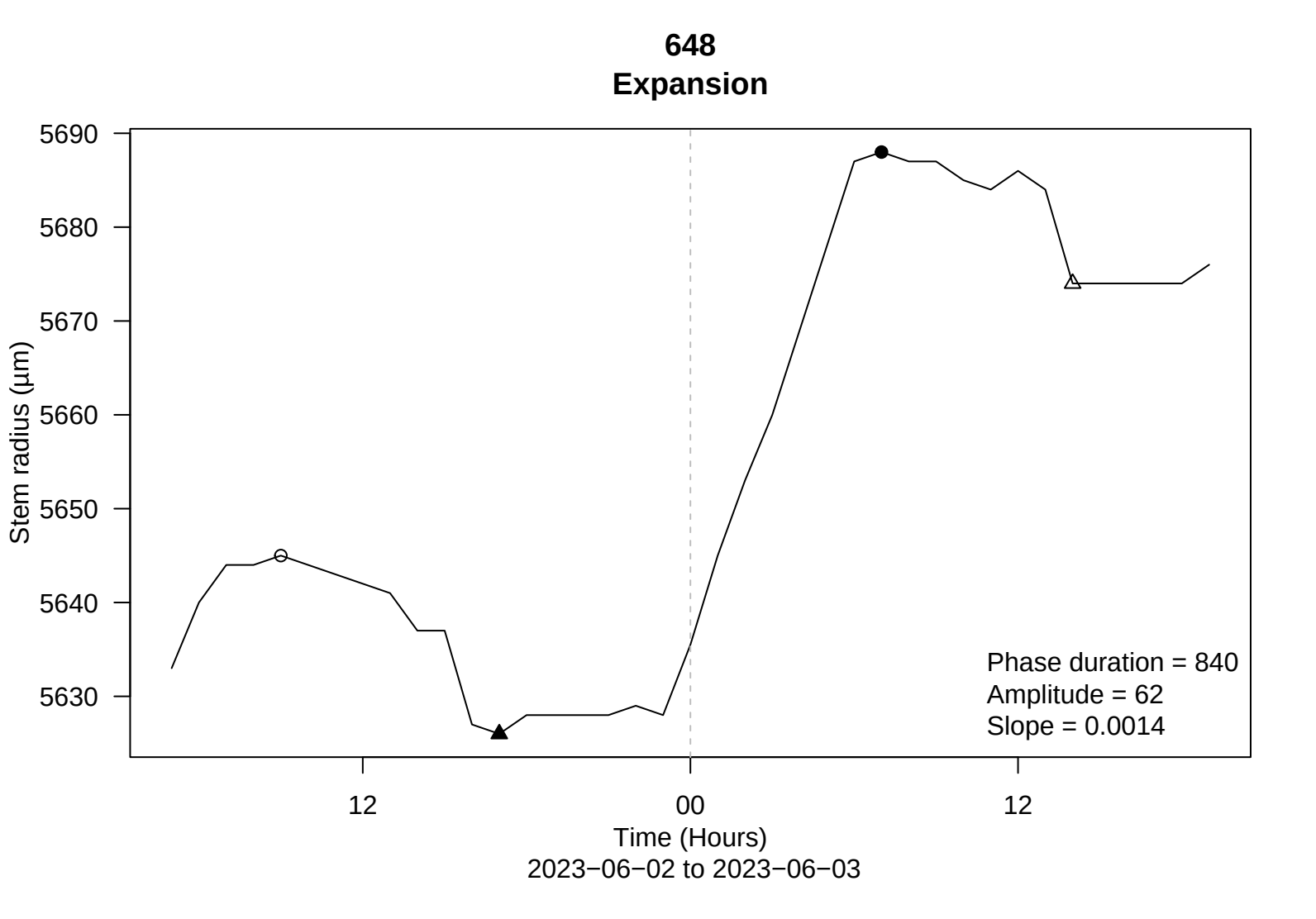

648
Expansion
5490
5480
5470
5460
5450
5440
5430
Stem radius (µm)
12
00
12
Time (Hours)
2023−05−29 to 2023−05−30
Phase duration = 1140
Amplitude = 54
Slope = 0.001

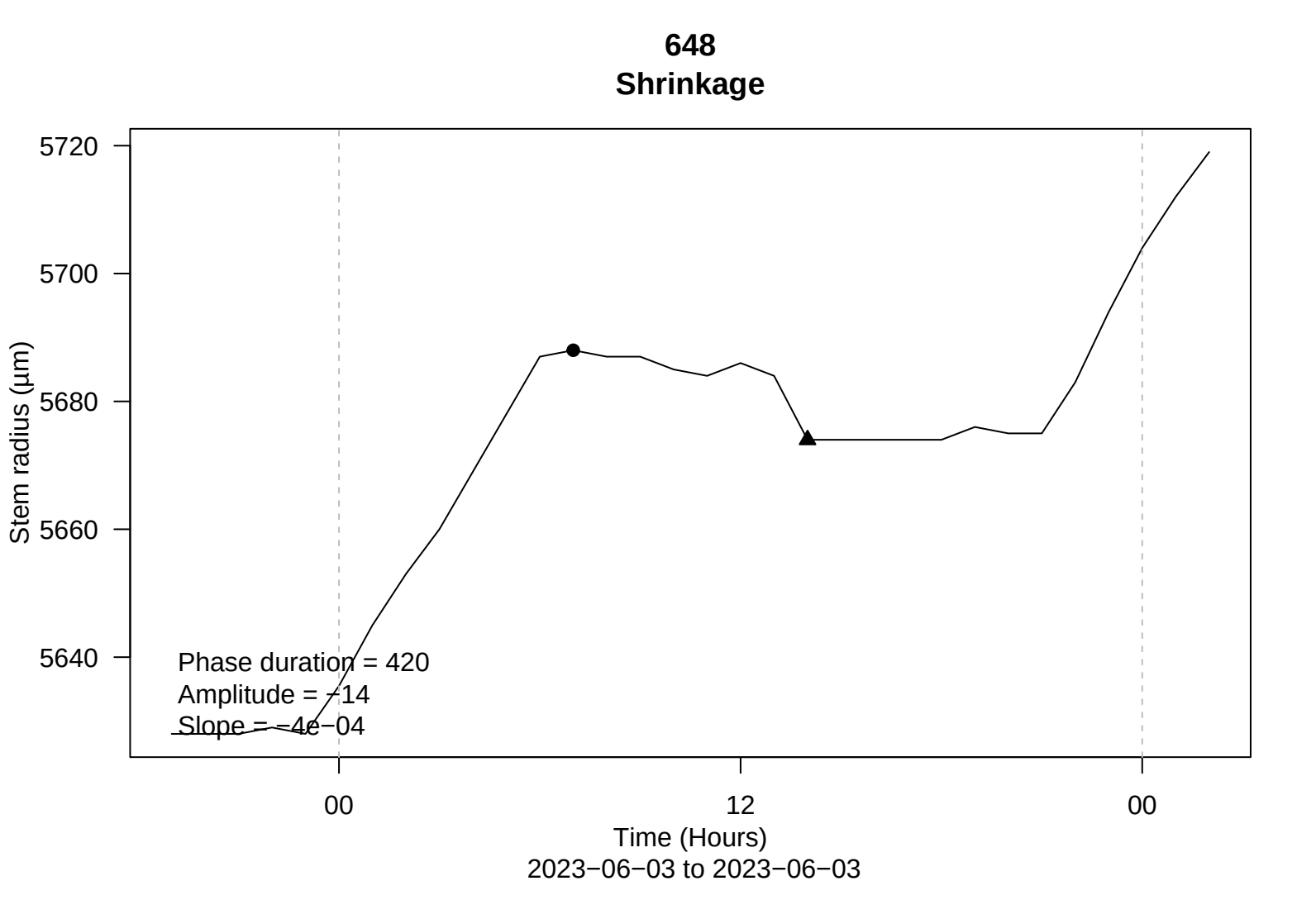

648
Shrinkage
5560
5540
5520
5500
5480
5460
5440
Stem radius (µm)
Phase duration = 720
Amplitude = −2
Slope = 0
00
12
00
Time (Hours)
2023−05−30 to 2023−05−30

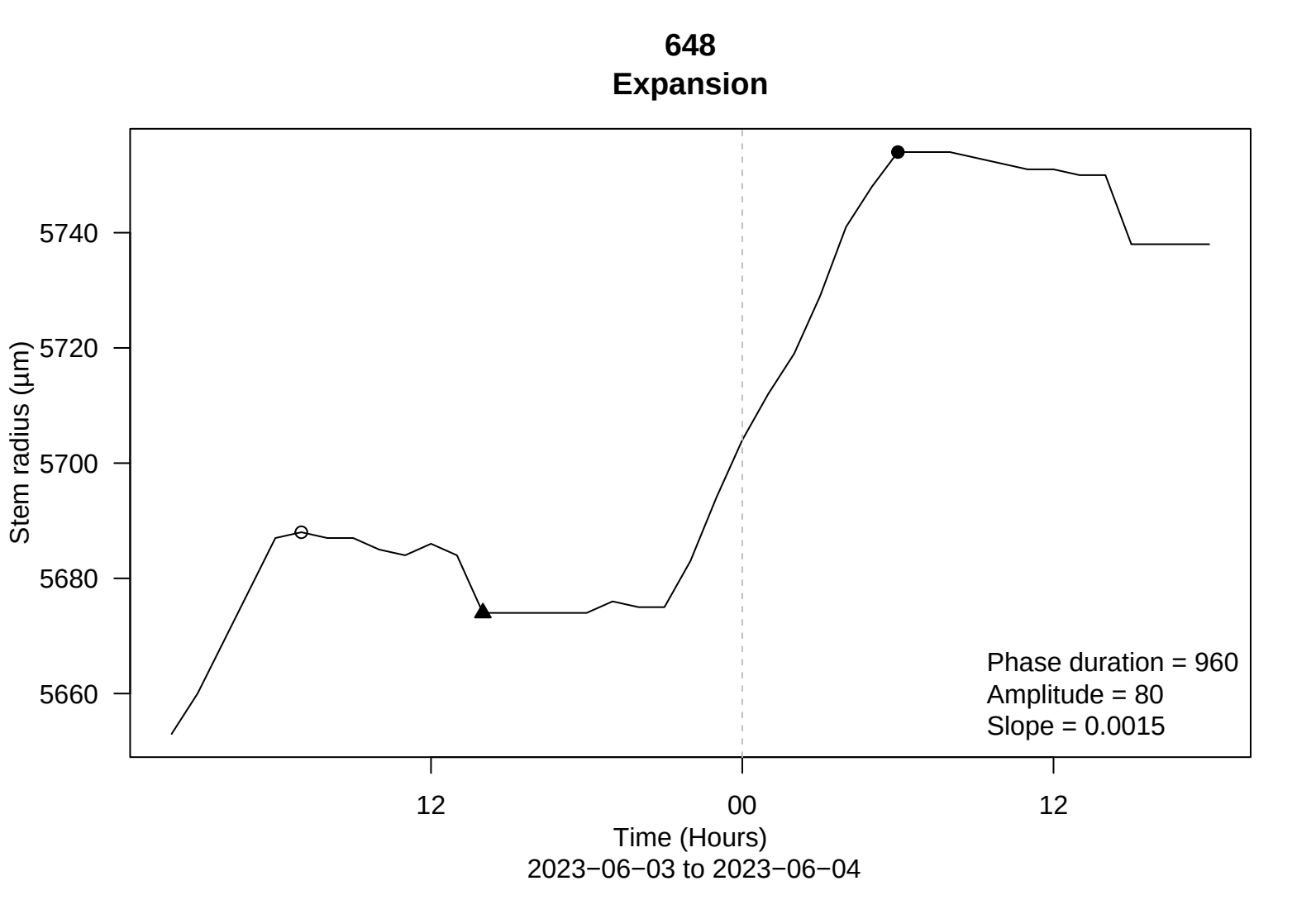

648
Expansion
5560
5550
5540
5530
5520
5510
5500
5490
Stem radius (µm)
Phase duration = 660
Amplitude = 72
Slope = 0.0022
12
00
12
Time (Hours)
2023−05−30 to 2023−05−31

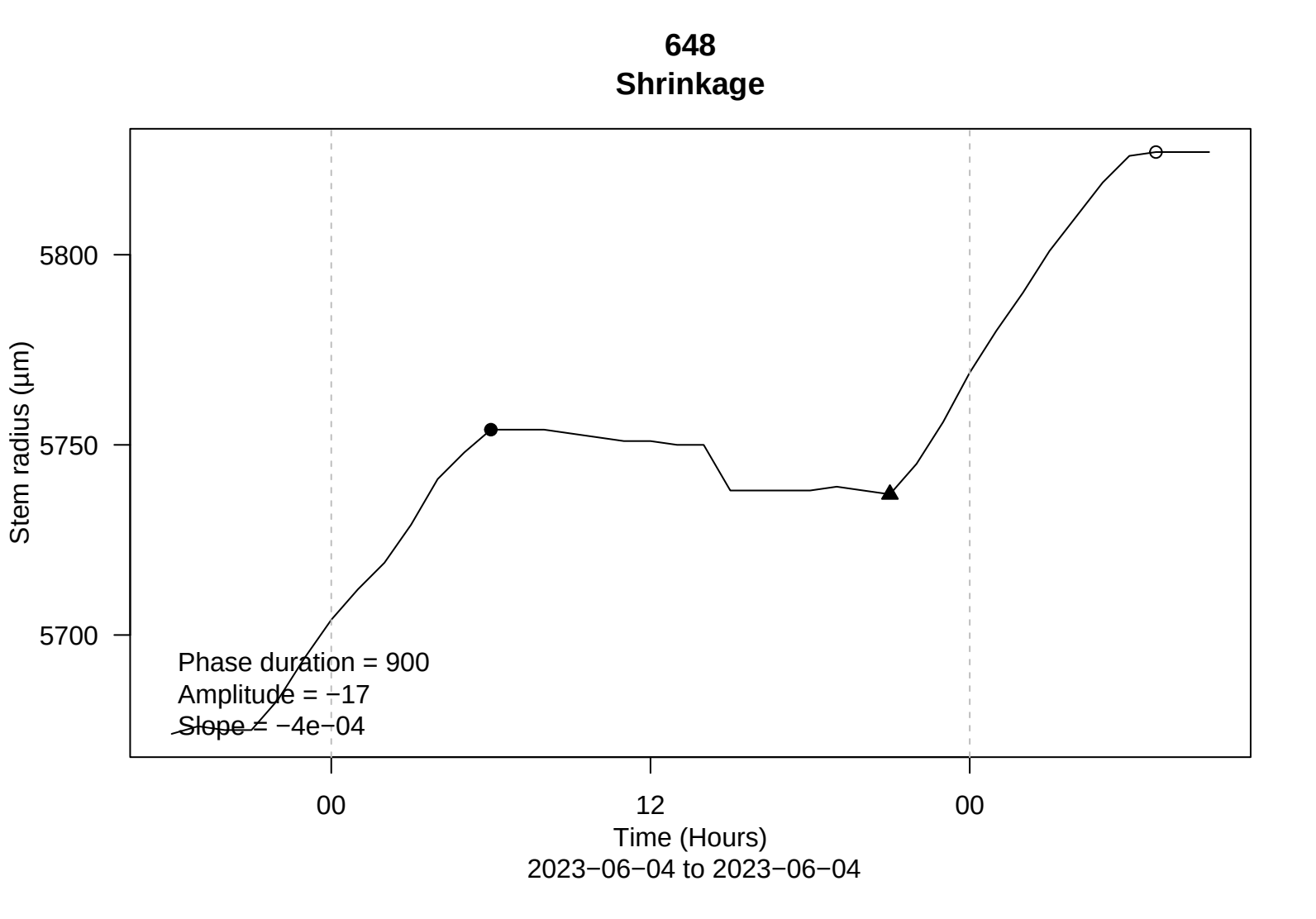

648
Expansion
5650
5600
5550
5500
Stem radius (µm)
Phase duration = 2700
Amplitude = 119
Slope = 7e−04
00
00
00
Time (Hours)
2023−05−31 to 2023−06−02

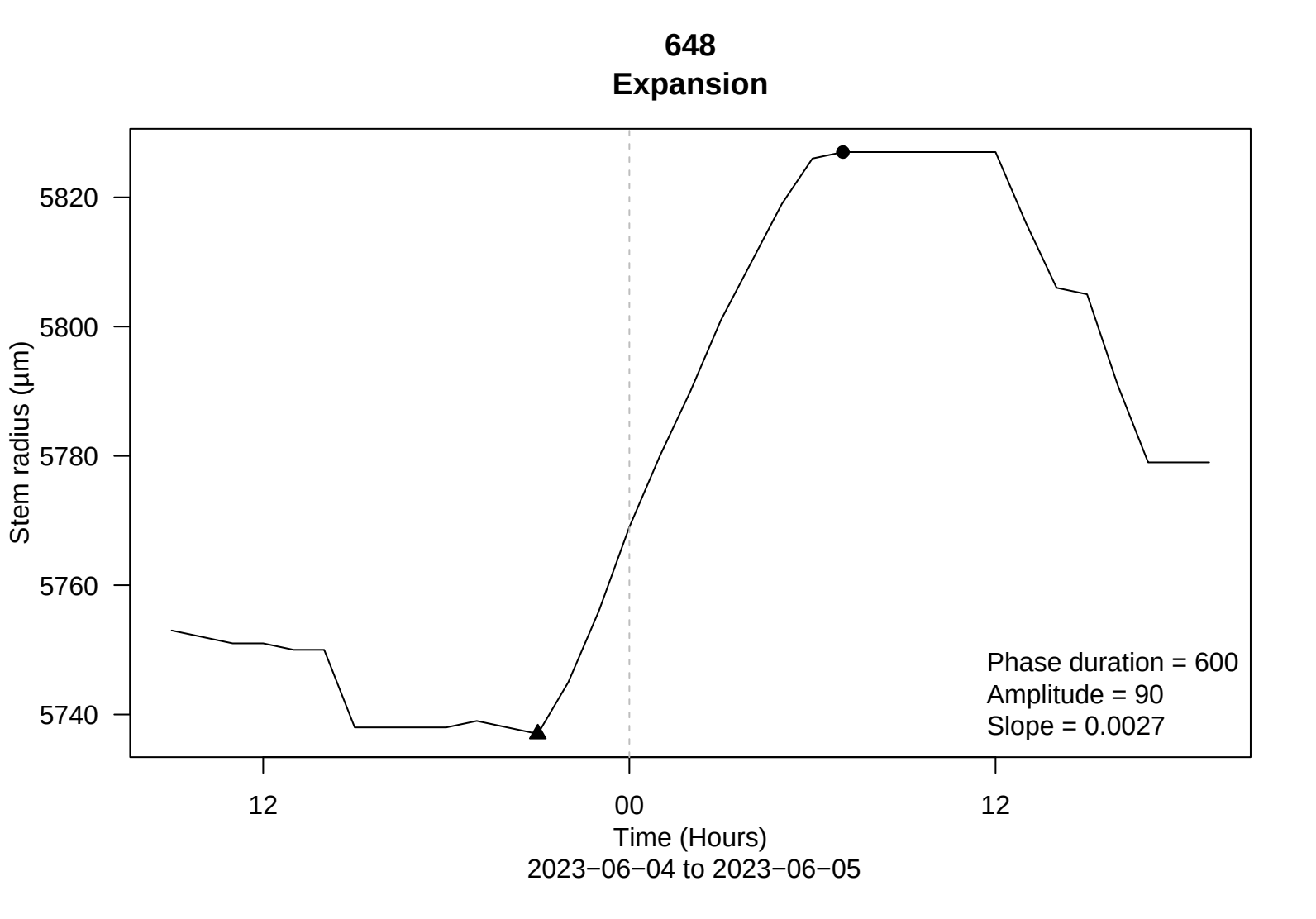

648
Shrinkage
5680
5660
5640
5620
5600
Stem radius (µm)
Phase duration = 480
Amplitude = −19
Slope = −7e−04
00
12
00
Time (Hours)
2023−06−02 to 2023−06−02

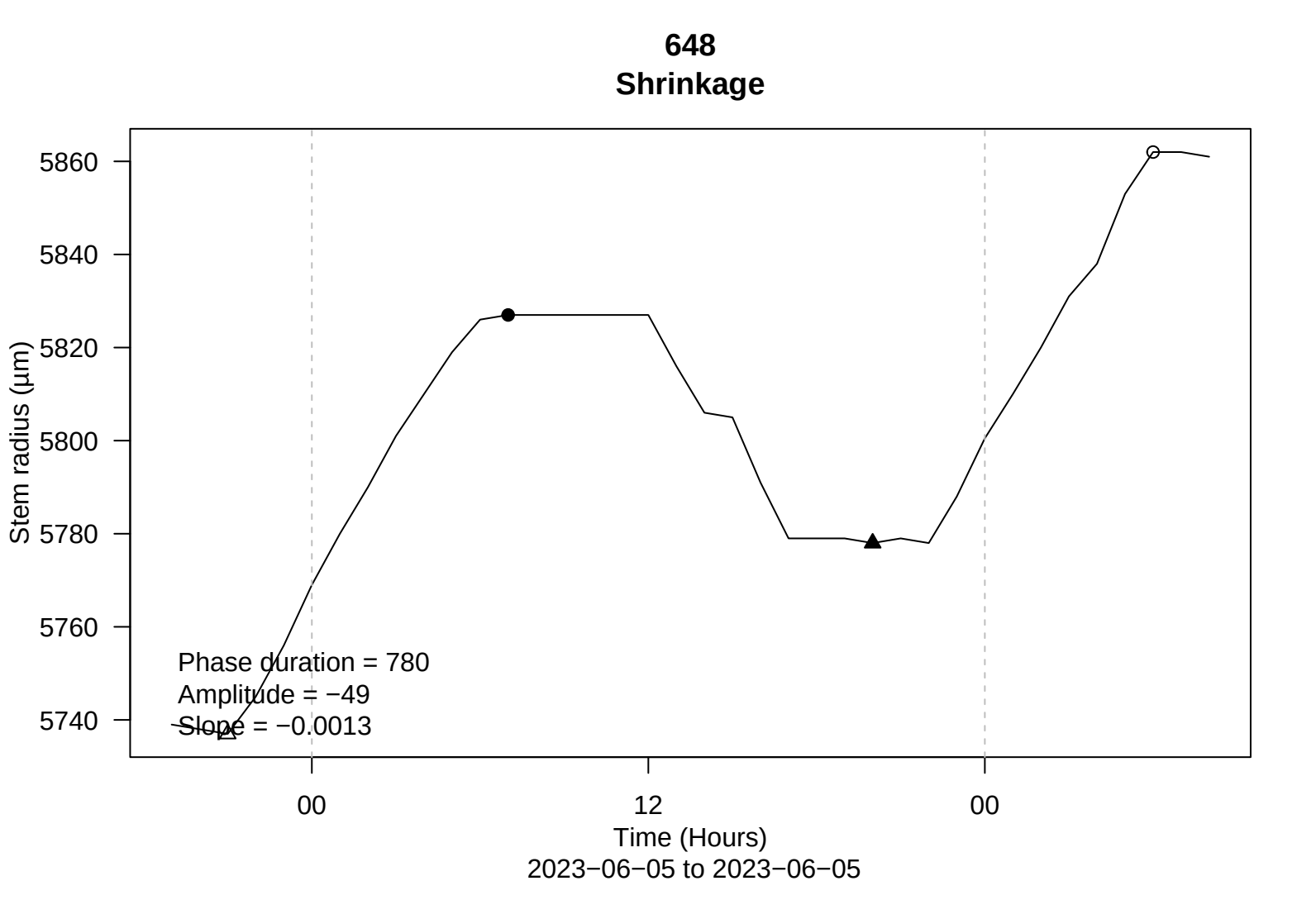

648
Expansion
5690
5680
5670
5660
5650
5640
5630
Stem radius (µm)
12
00
12
Time (Hours)
2023−06−02 to 2023−06−03
Phase duration = 840
Amplitude = 62
Slope = 0.0014

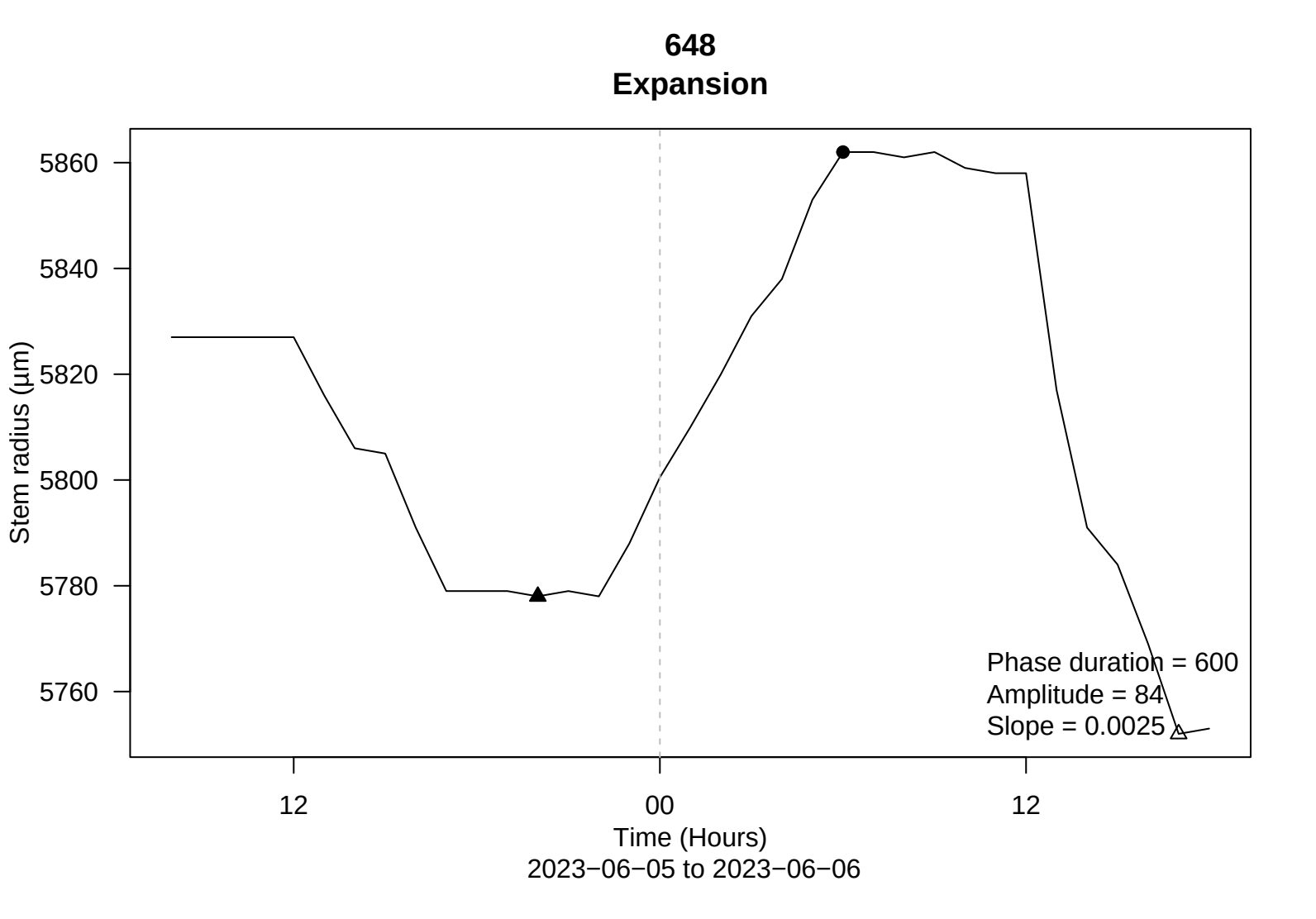

648
Shrinkage
5720
5700
5680
5660
5640
Stem radius (µm)
Phase duration = 420
Amplitude = −14
Slope = −4e−04
00
12
00
Time (Hours)
2023−06−03 to 2023−06−03

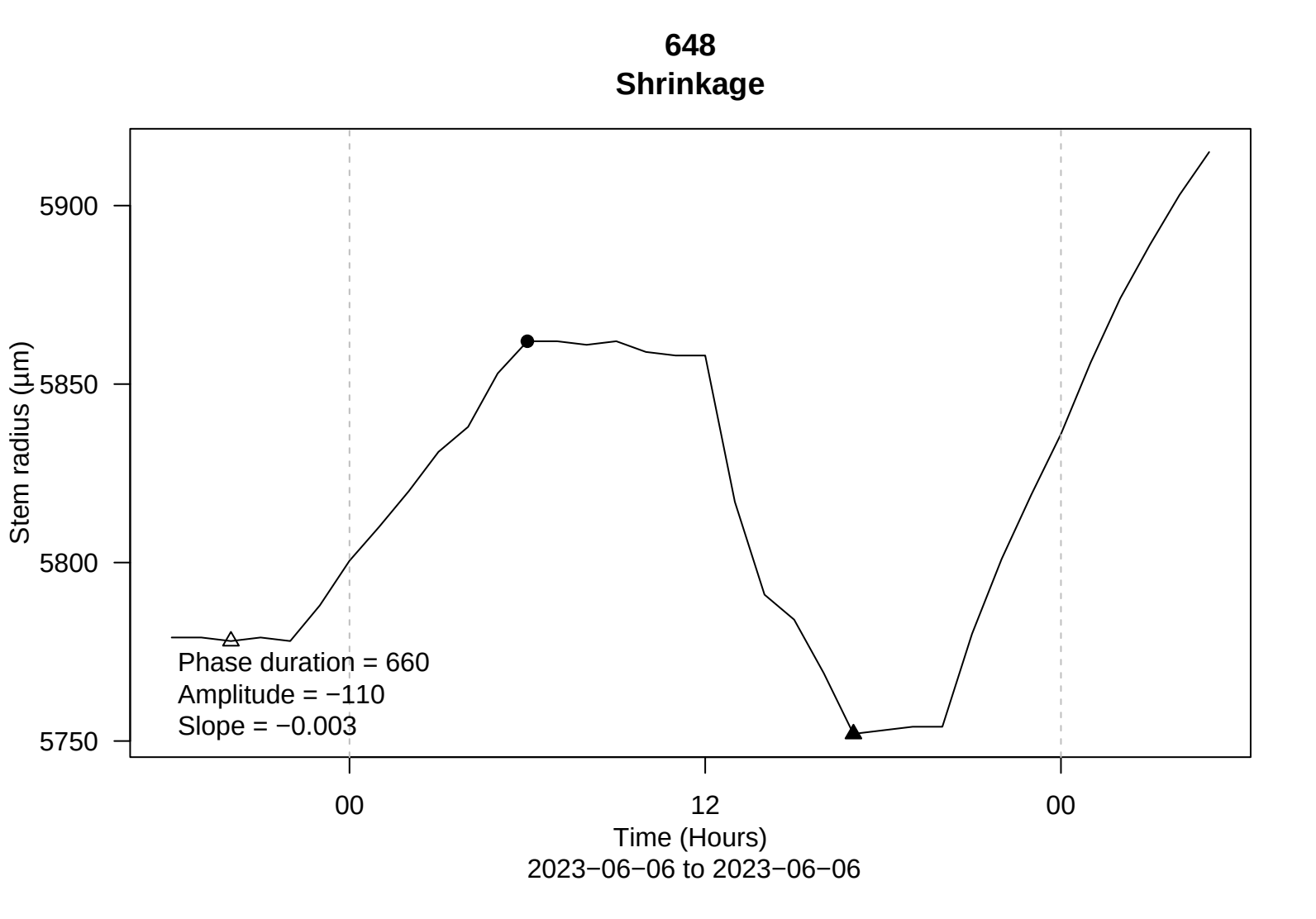

648
Expansion
5740
5720
5700
5680
5660
Stem radius (µm)
12
00
12
Time (Hours)
2023−06−03 to 2023−06−04
Phase duration = 960
Amplitude = 80
Slope = 0.0015

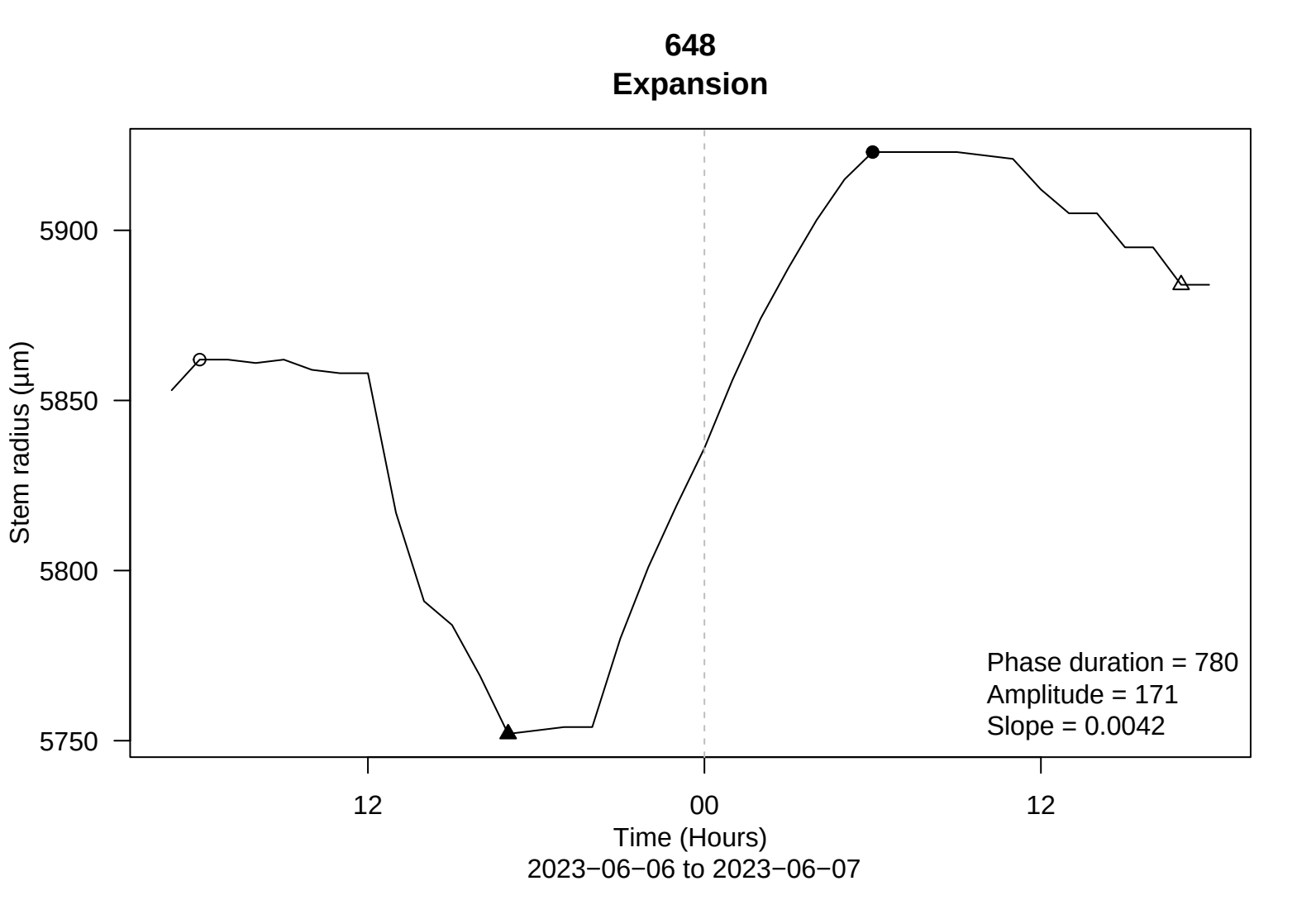

648
Shrinkage
5800
5750
5700
Stem radius (µm)
Phase duration = 900
Amplitude = −17
Slope = −4e−04
00
12
00
Time (Hours)
2023−06−04 to 2023−06−04

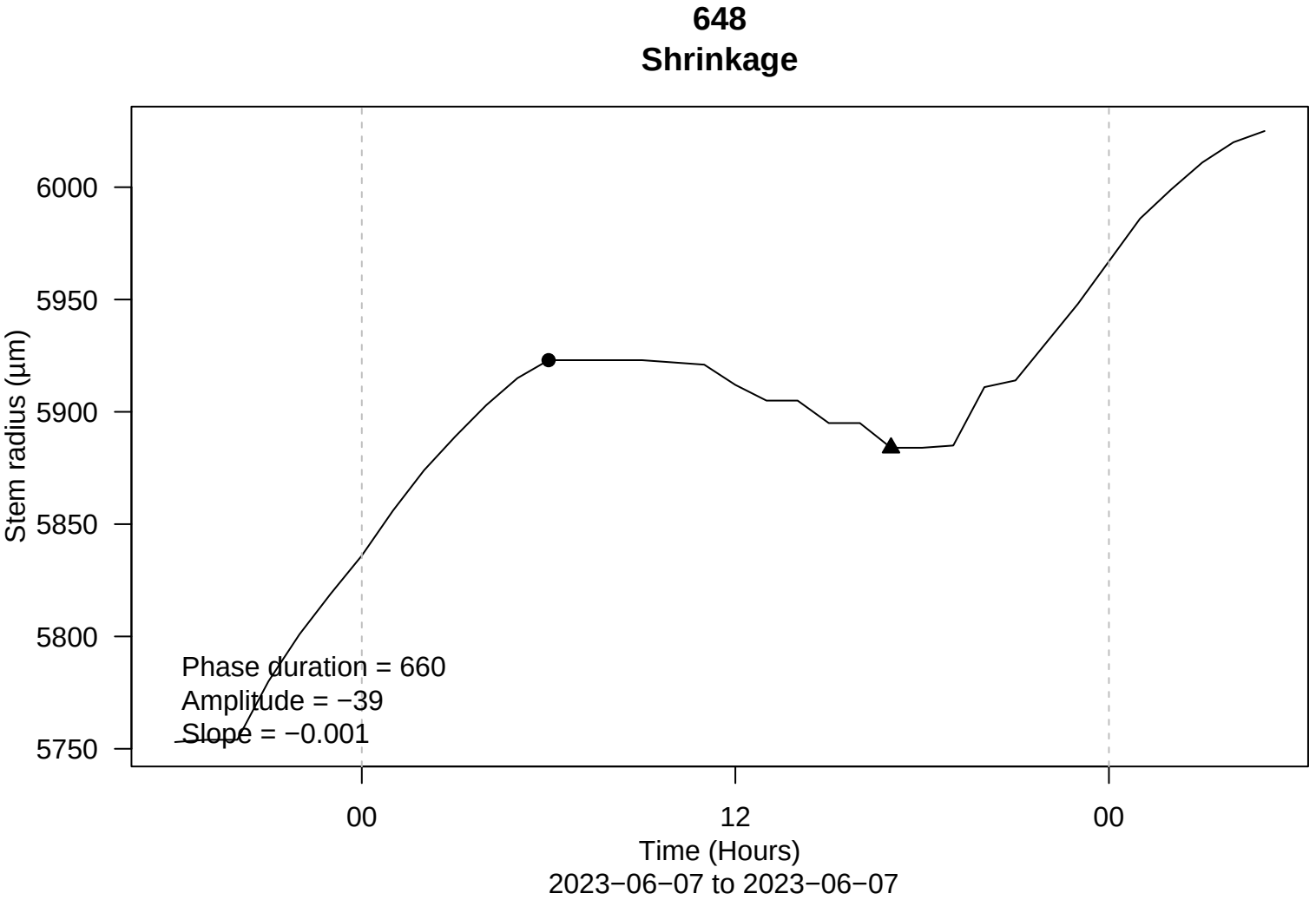

648
Expansion
5820
5800
5780
5760
5740
Stem radius (µm)
Phase duration = 600
Amplitude = 90
Slope = 0.0027
12
00
12
Time (Hours)
2023−06−04 to 2023−06−05

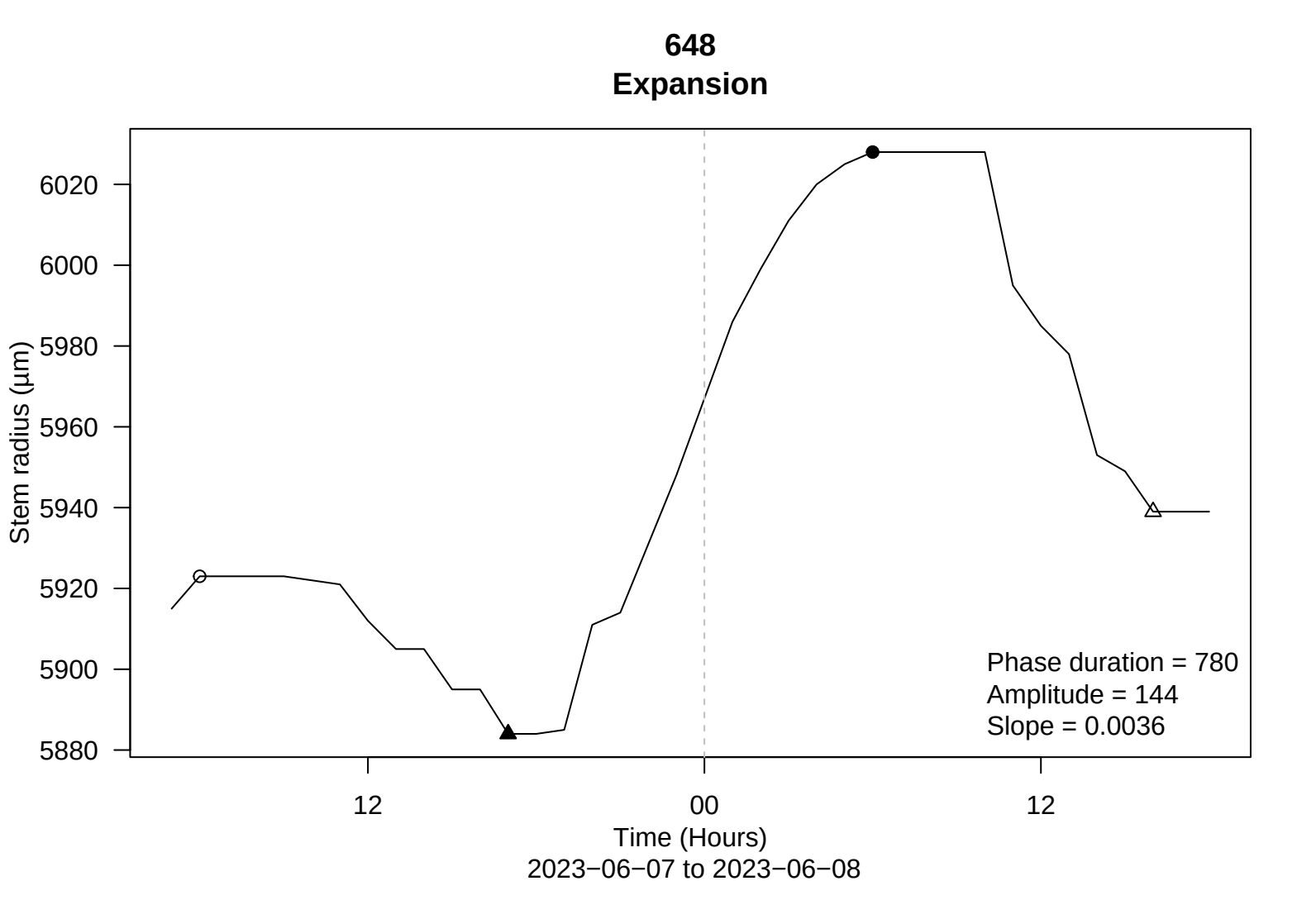

648
Shrinkage
5860
5840
5820
5800
5780
5760
5740
Stem radius (µm)
Phase duration = 780
Amplitude = −49
Slope = −0.0013
00
12
00
Time (Hours)
2023−06−05 to 2023−06−05

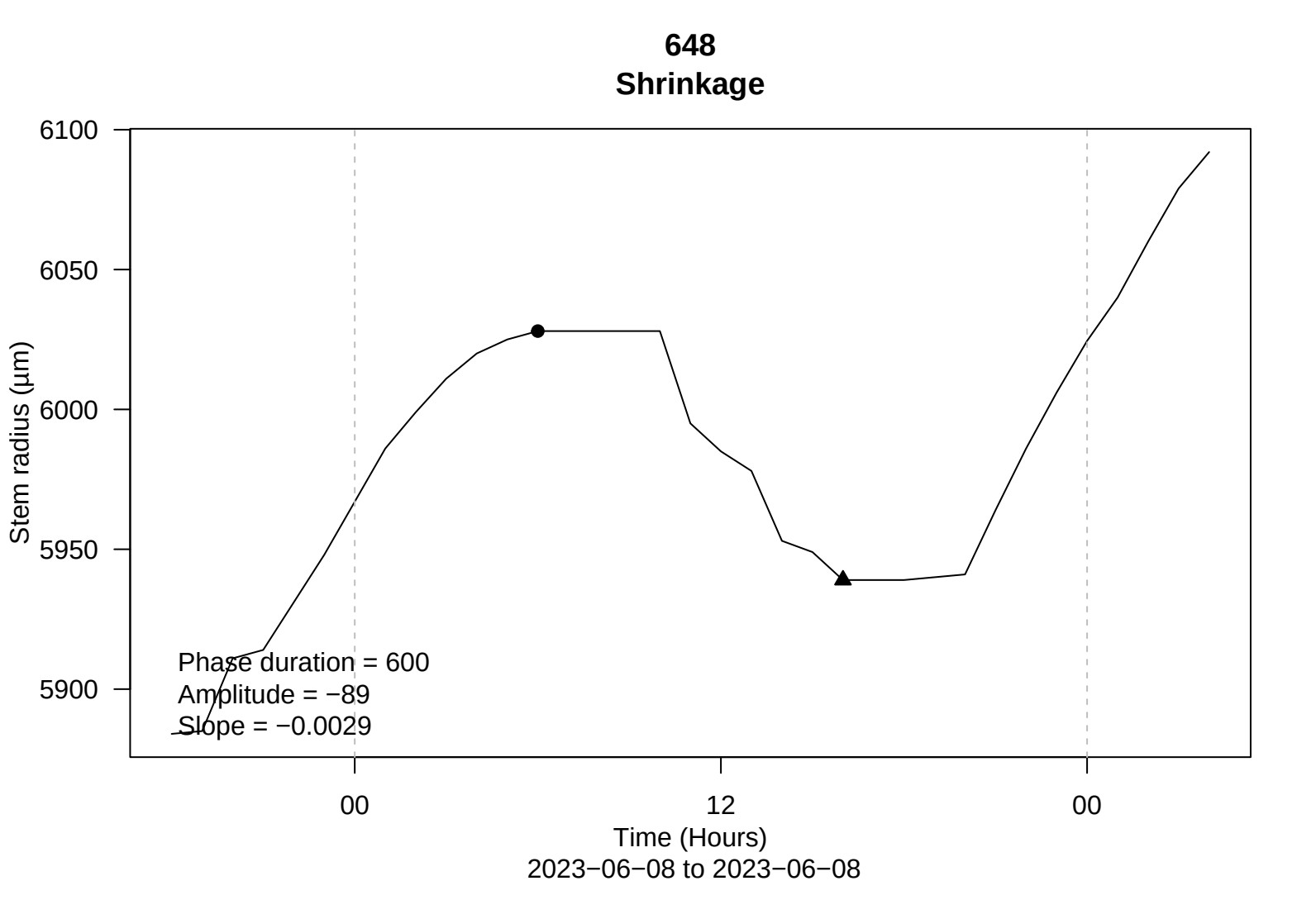

648
Expansion
5860
5840
5820
5800
5780
5760
Stem radius (µm)
Phase duration = 600
Amplitude = 84
Slope = 0.0025
12
00
12
Time (Hours)
2023−06−05 to 2023−06−06

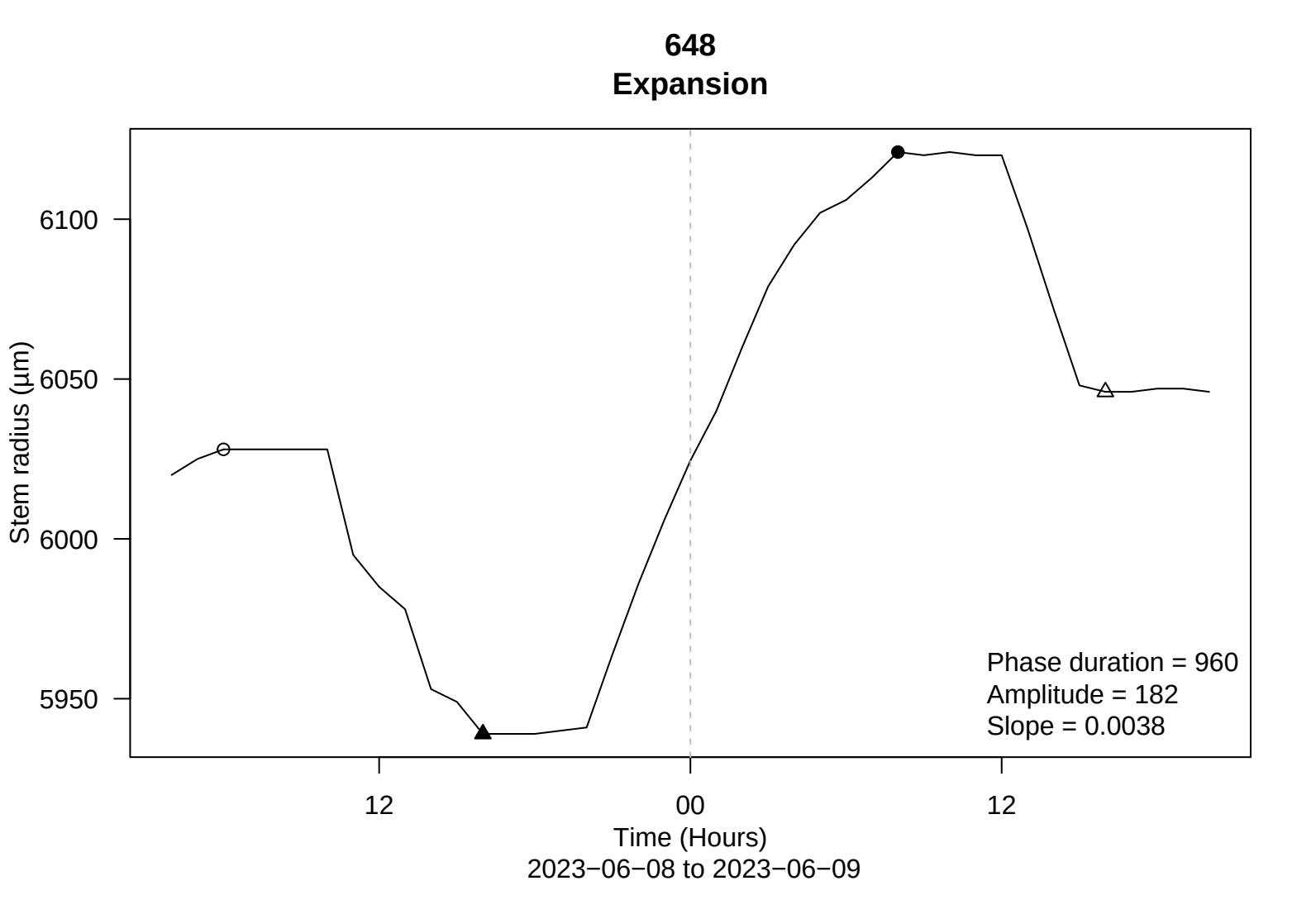

648
Shrinkage
5900
5850
5800
5750
Stem radius (µm)
Phase duration = 660
Amplitude = −110
Slope = −0.003
00
12
00
Time (Hours)
2023−06−06 to 2023−06−06

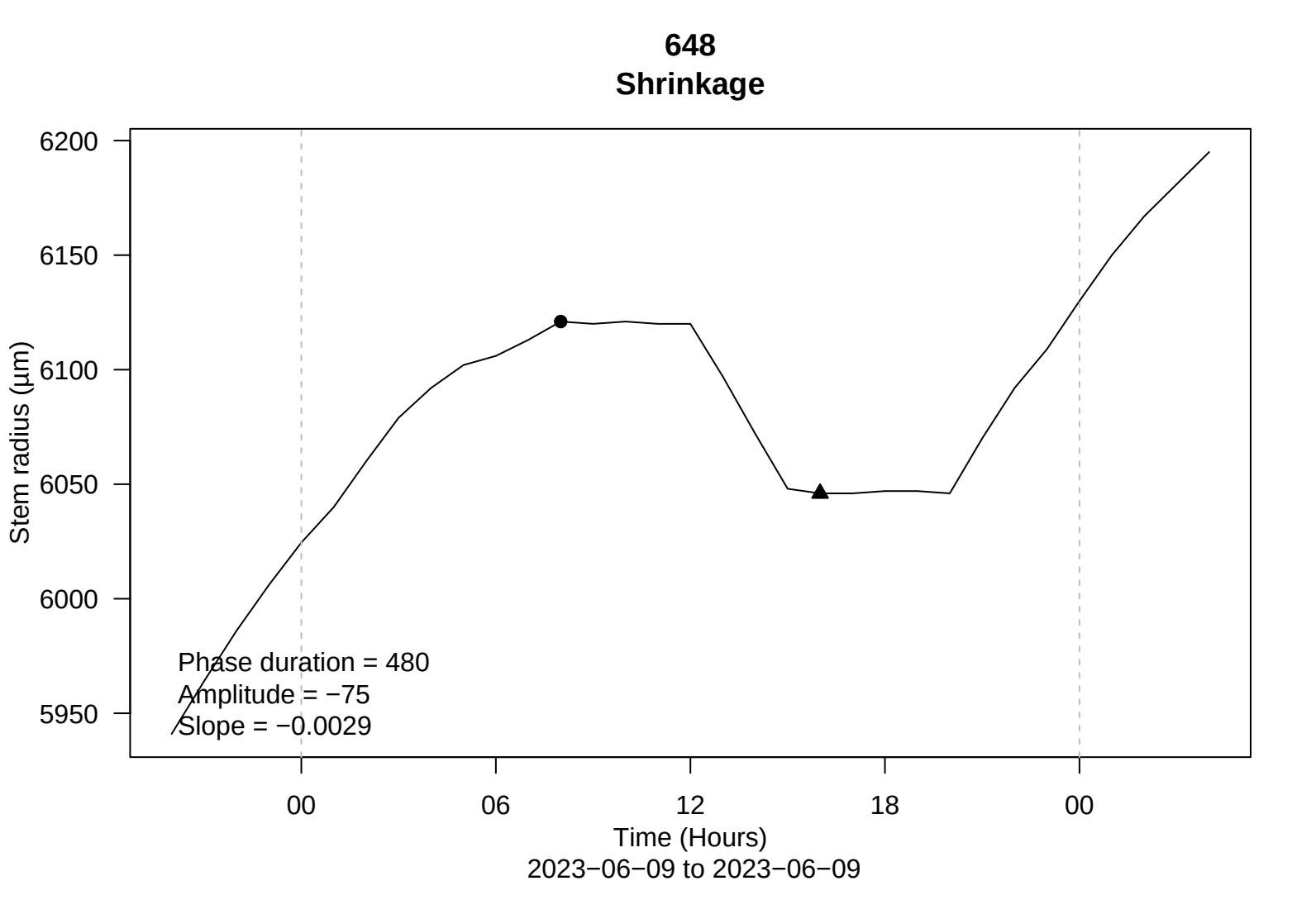

648
Expansion
5900
5850
5800
5750
Stem radius (µm)
12
00
12
Time (Hours)
2023−06−06 to 2023−06−07
Phase duration = 780
Amplitude = 171
Slope = 0.0042

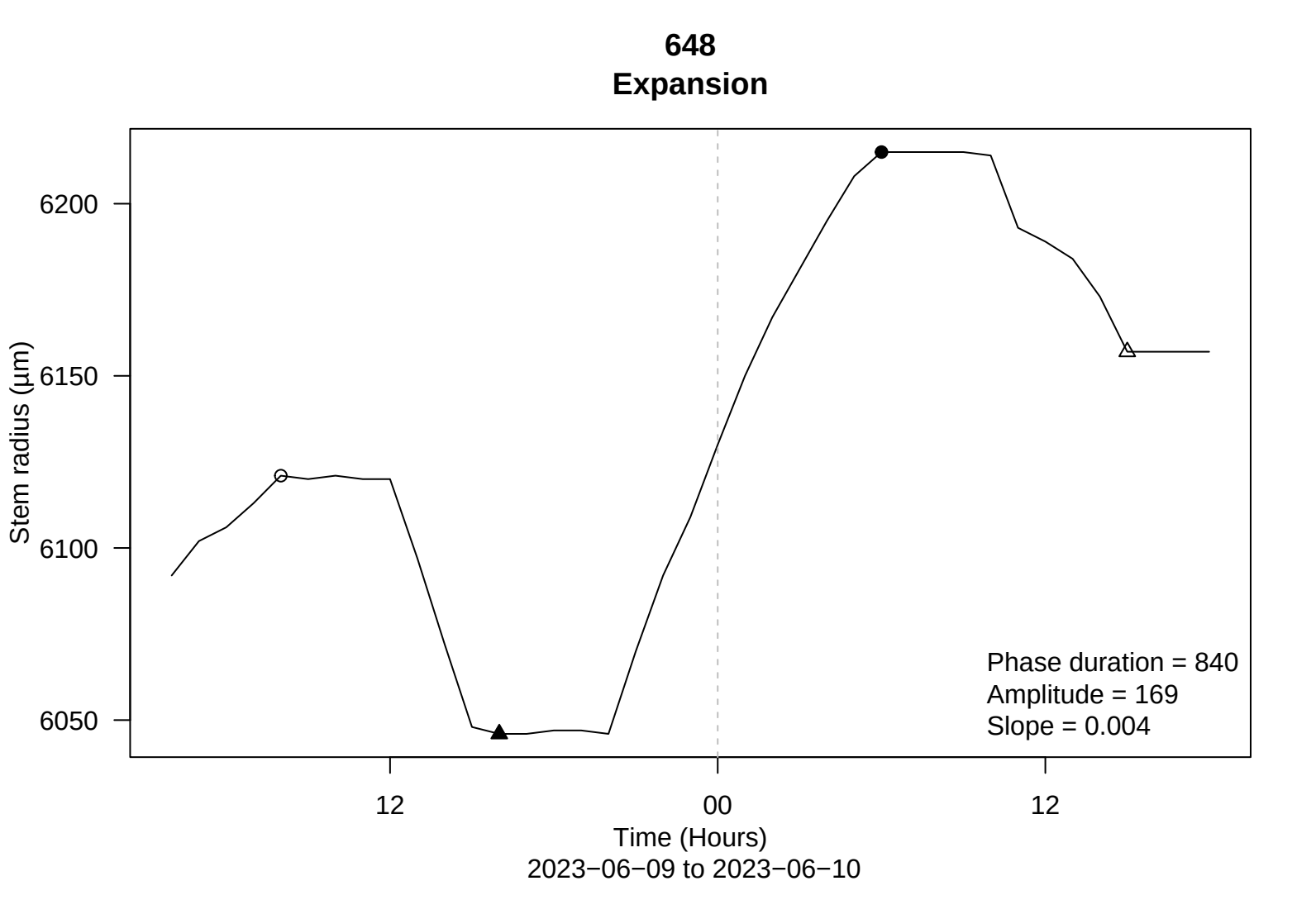

648
Shrinkage
6000
5950
5900
5850
5800
5750
Stem radius (µm)
Phase duration = 660
Amplitude = −39
Slope = −0.001
00
12
00
Time (Hours)
2023−06−07 to 2023−06−07

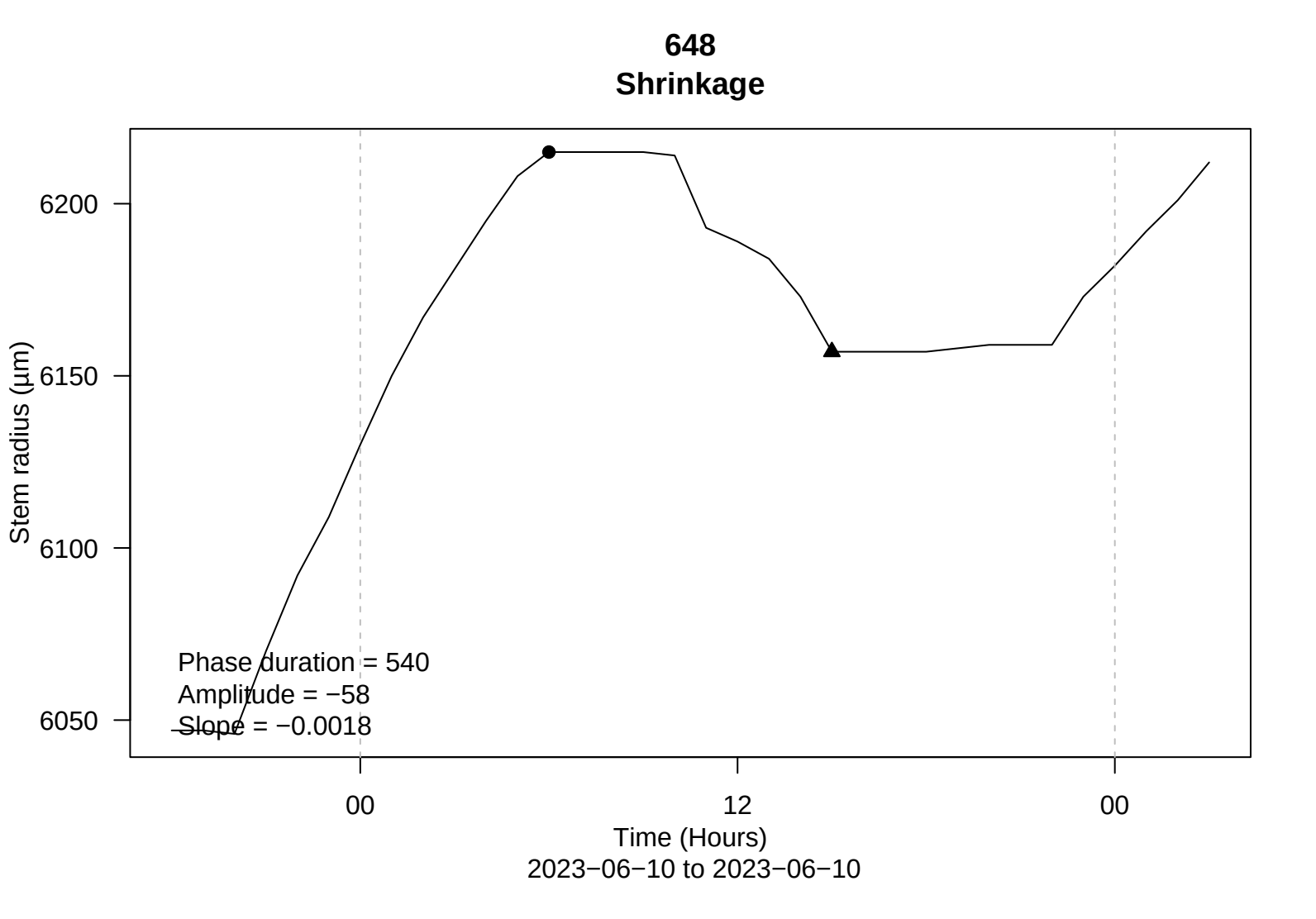

648
Expansion
6020
6000
5980
5960
5940
5920
5900
5880
Stem radius (µm)
12
00
12
Time (Hours)
2023−06−07 to 2023−06−08
Phase duration = 780
Amplitude = 144
Slope = 0.0036

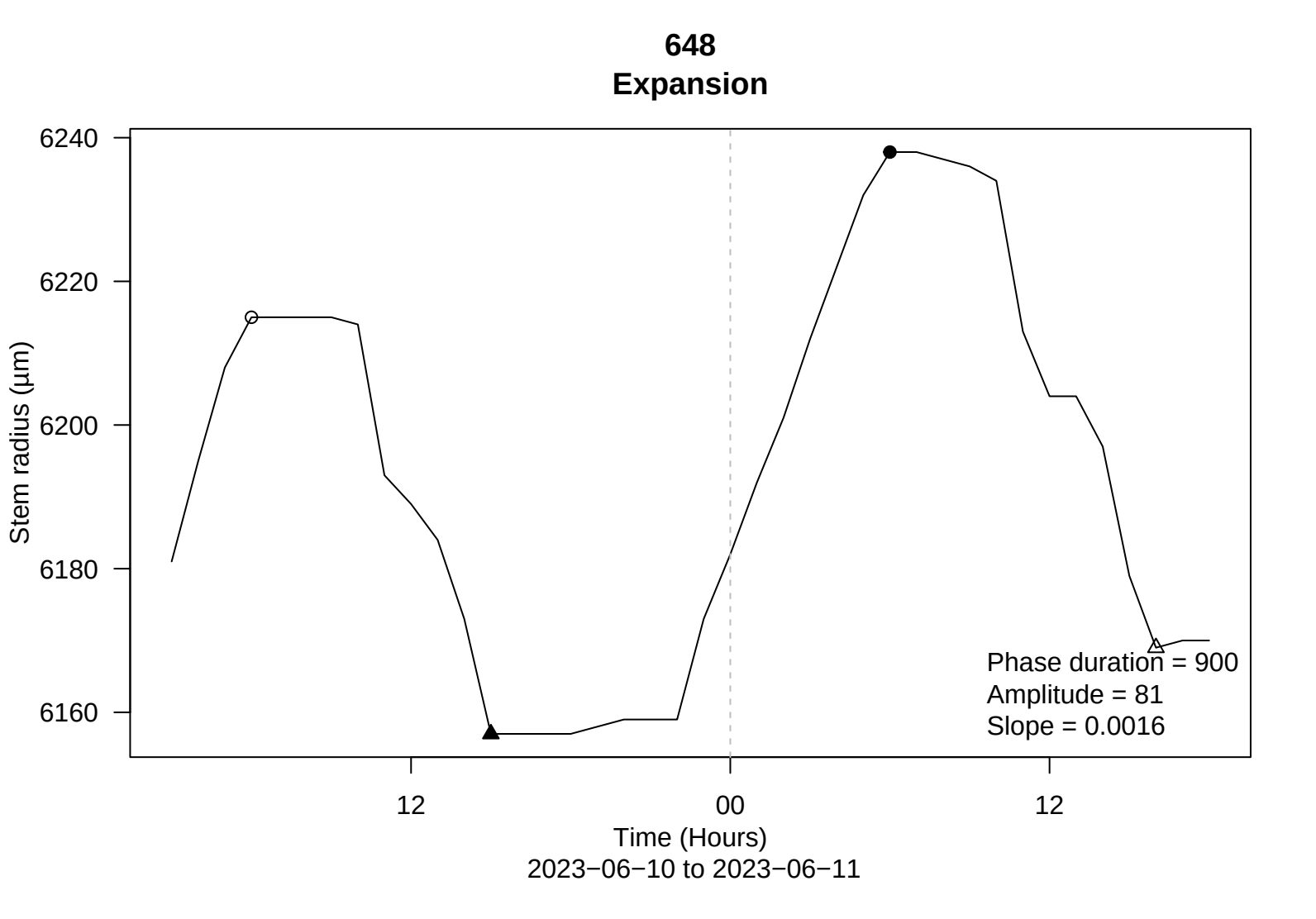

648
Shrinkage
6100
6050
6000
5950
5900
Stem radius (µm)
Phase duration = 600
Amplitude = −89
Slope = −0.0029
00
12
00
Time (Hours)
2023−06−08 to 2023−06−08

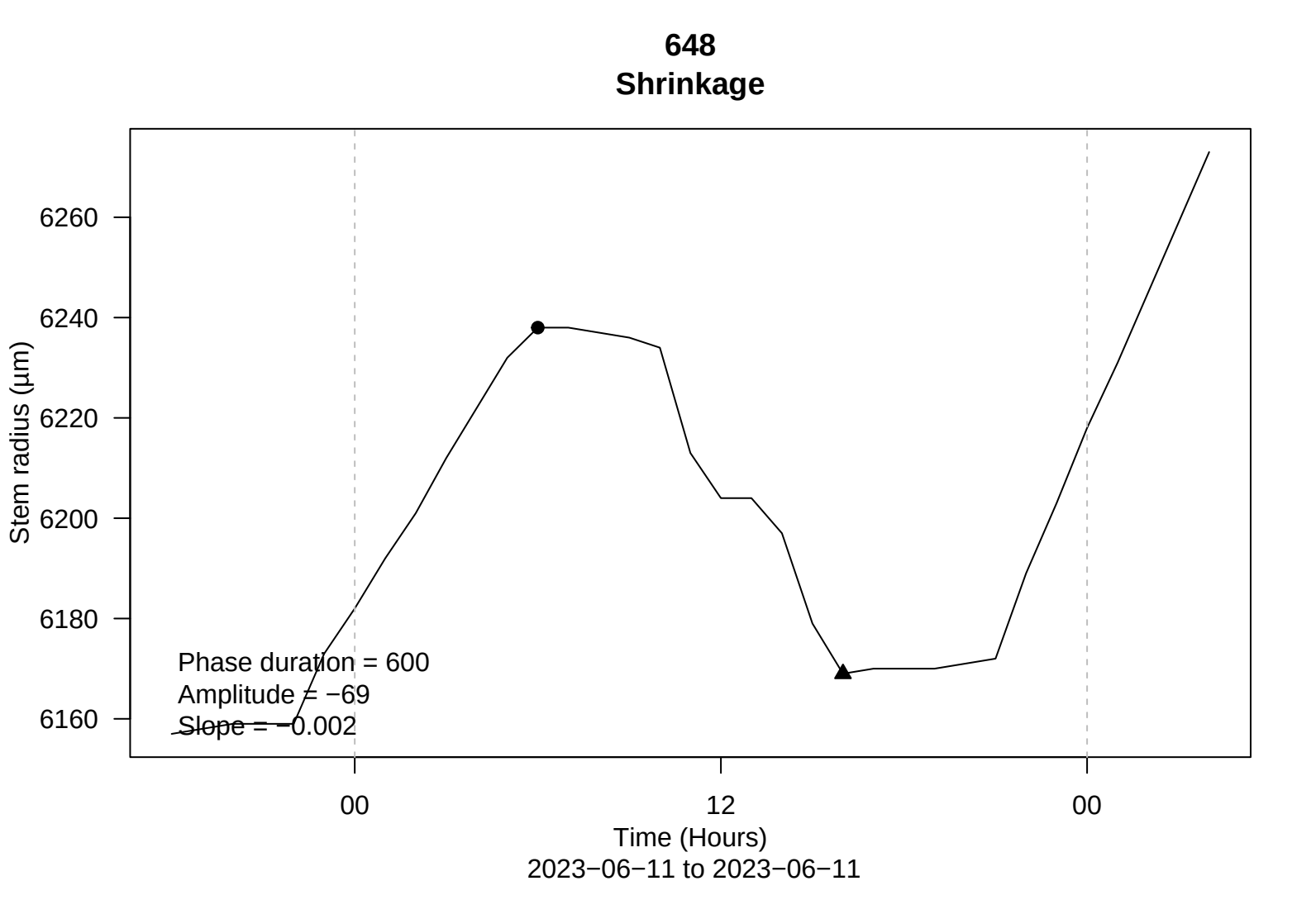

648
Expansion
6100
6050
6000
5950
Stem radius (µm)
12
00
12
Time (Hours)
2023−06−08 to 2023−06−09
Phase duration = 960
Amplitude = 182
Slope = 0.0038

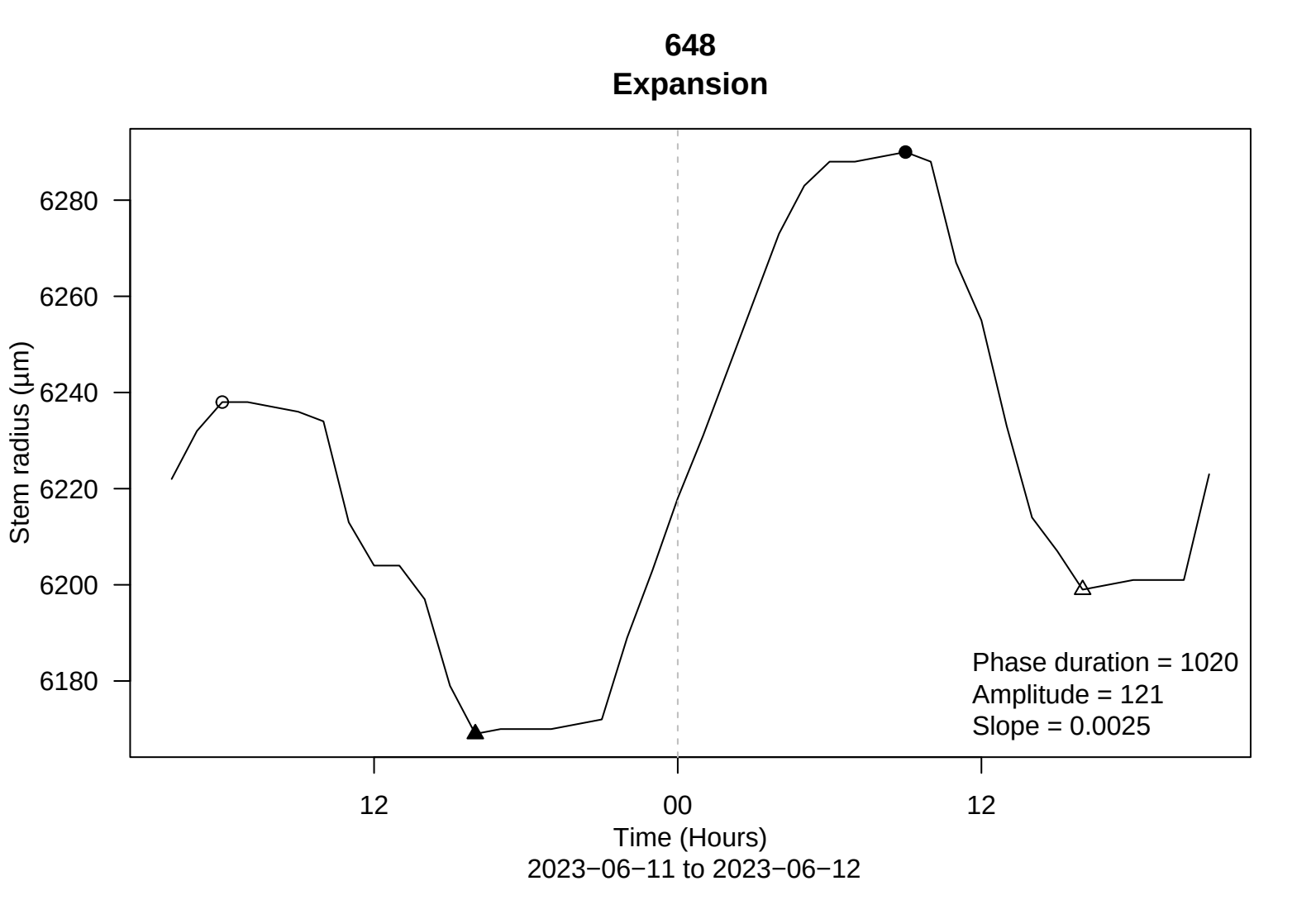

648
Shrinkage
6200
6150
6100
6050
6000
5950
Stem radius (µm)
Phase duration = 480
Amplitude = −75
Slope = −0.0029
00
06
12
18
00
Time (Hours)
2023−06−09 to 2023−06−09

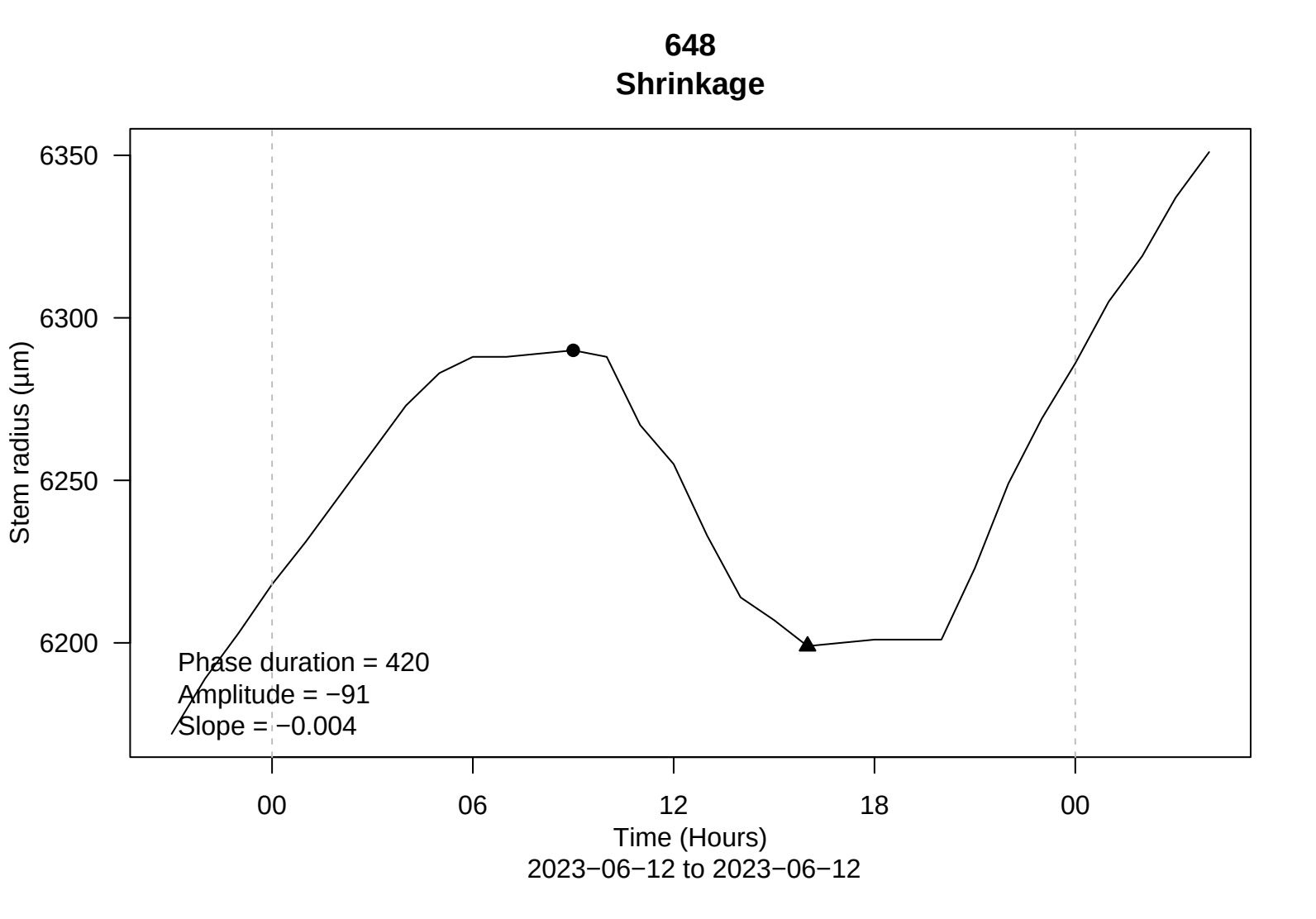

648
Expansion
6200
6150
6100
6050
Stem radius (µm)
12
00
12
Time (Hours)
2023−06−09 to 2023−06−10
Phase duration = 840
Amplitude = 169
Slope = 0.004

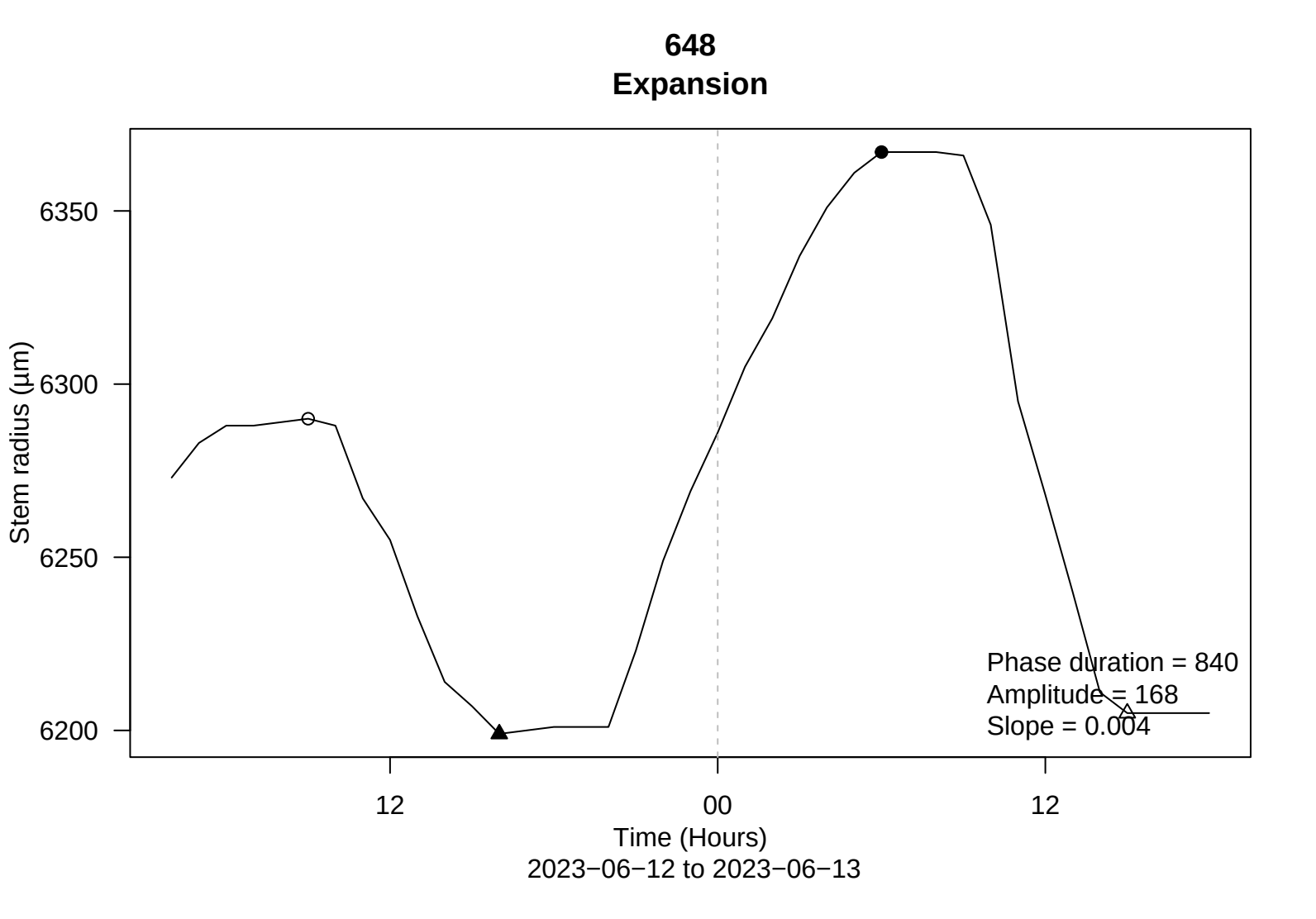

648
Shrinkage
6200
6150
6100
6050
Stem radius (µm)
Phase duration = 540
Amplitude = −58
Slope = −0.0018
00
12
00
Time (Hours)
2023−06−10 to 2023−06−10

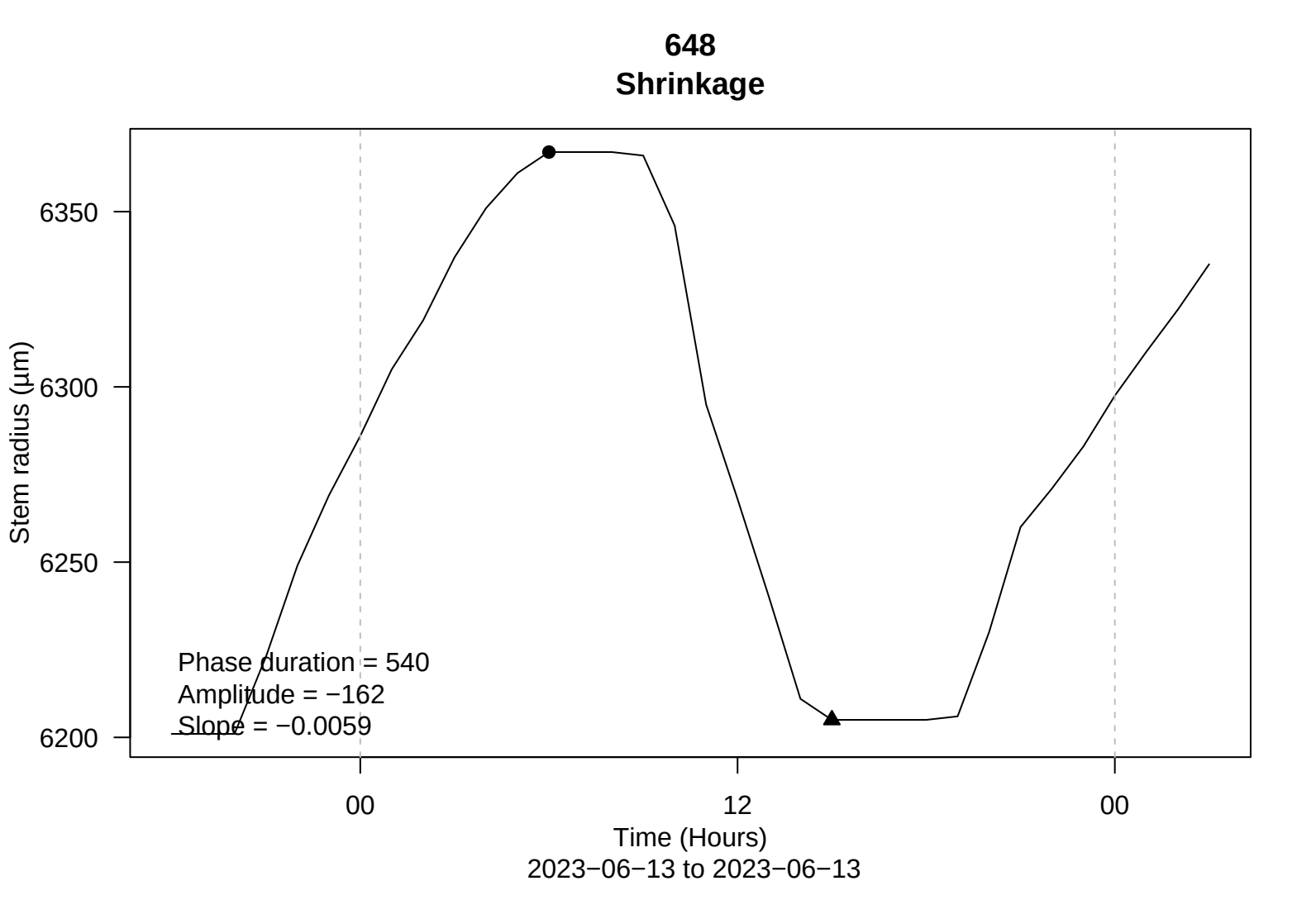

648
Expansion
6240
6220
6200
6180
6160
Stem radius (µm)
12
00
12
Time (Hours)
2023−06−10 to 2023−06−11
Phase duration = 900
Amplitude = 81
Slope = 0.0016

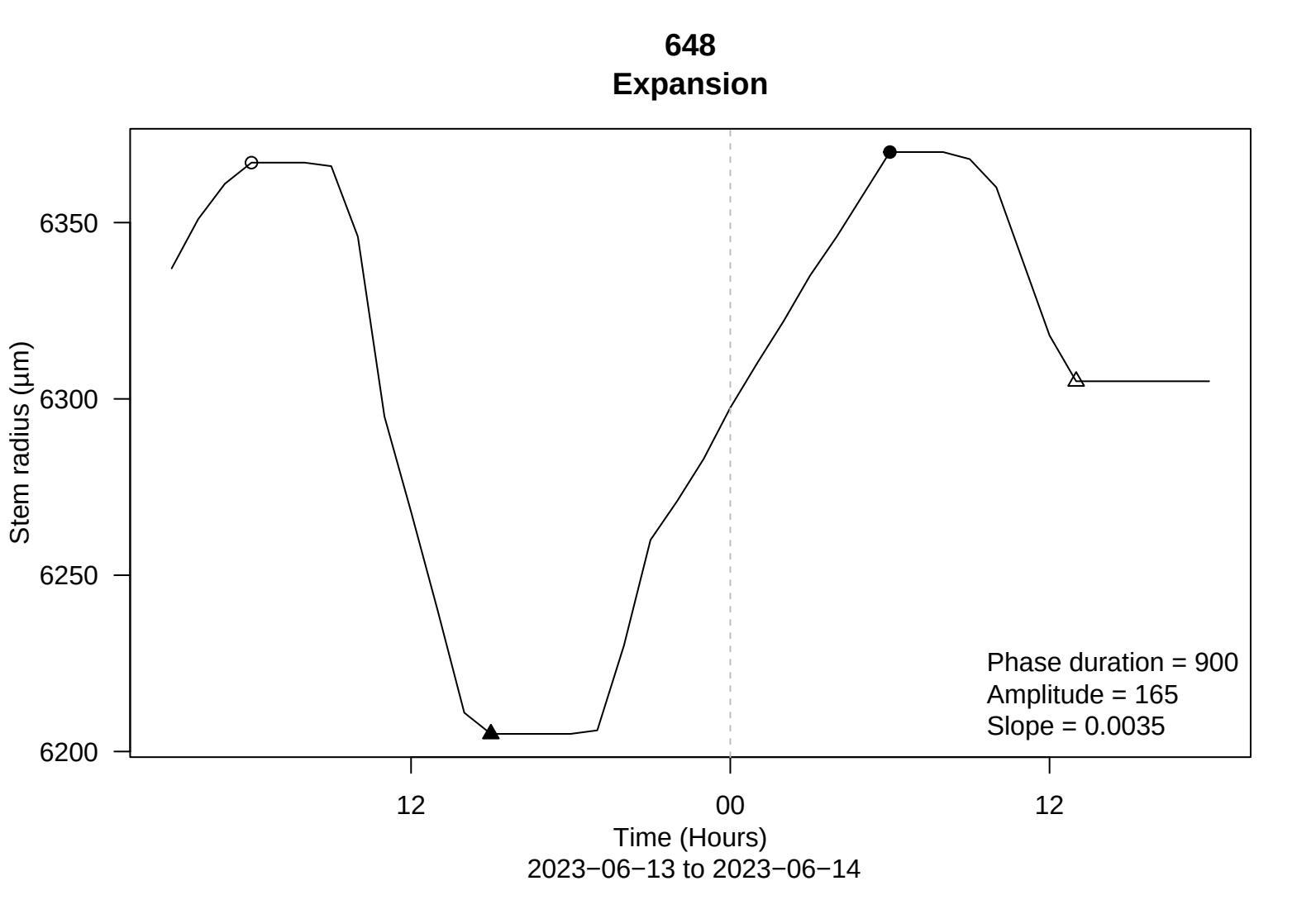

648
Shrinkage
6260
6240
6220
6200
6180
6160
Stem radius (µm)
Phase duration = 600
Amplitude = −69
Slope = −0.002
00
12
00
Time (Hours)
2023−06−11 to 2023−06−11

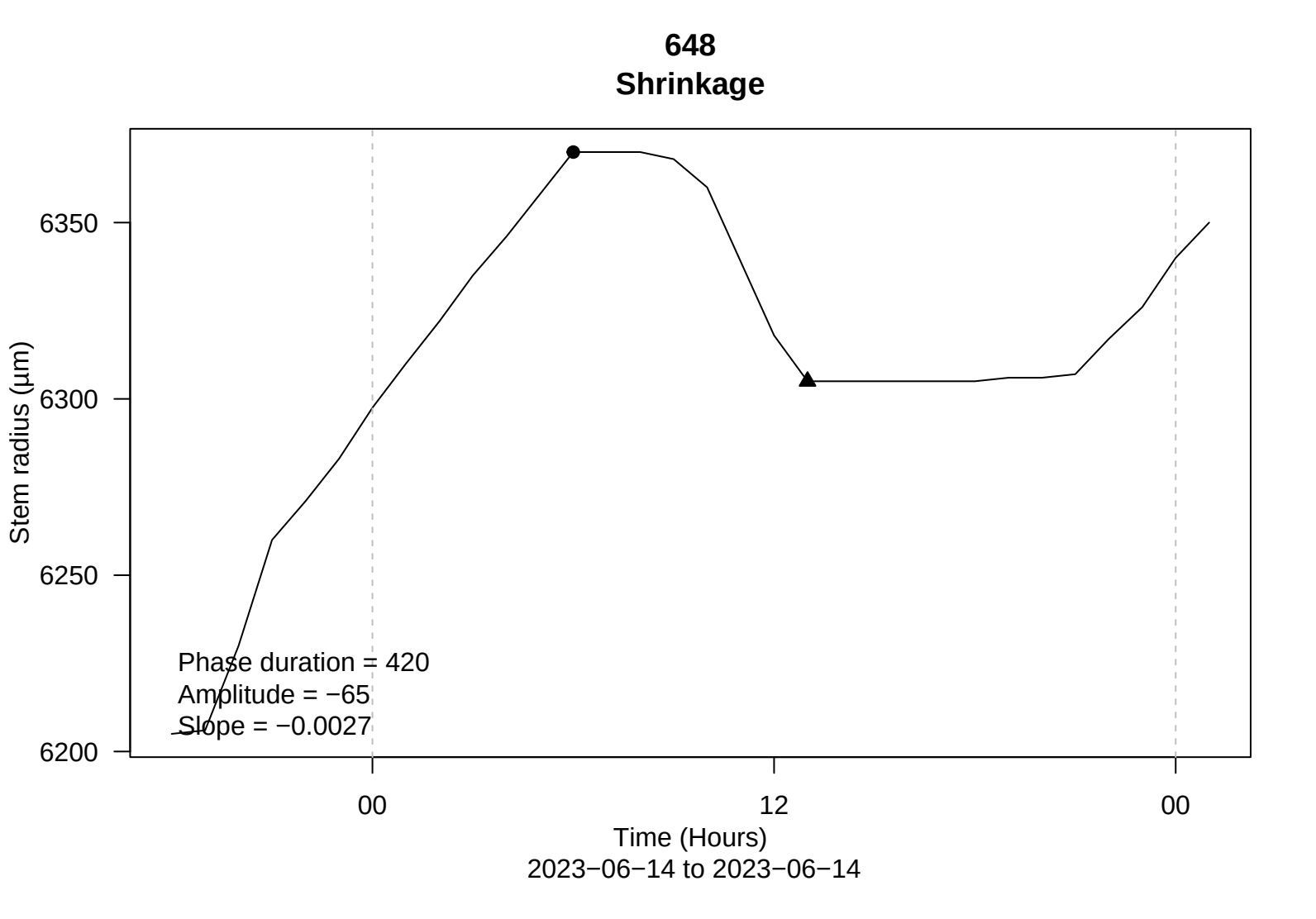

648
Expansion
6280
6260
6240
6220
6200
6180
Stem radius (µm)
12
00
12
Time (Hours)
2023−06−11 to 2023−06−12
Phase duration = 1020
Amplitude = 121
Slope = 0.0025

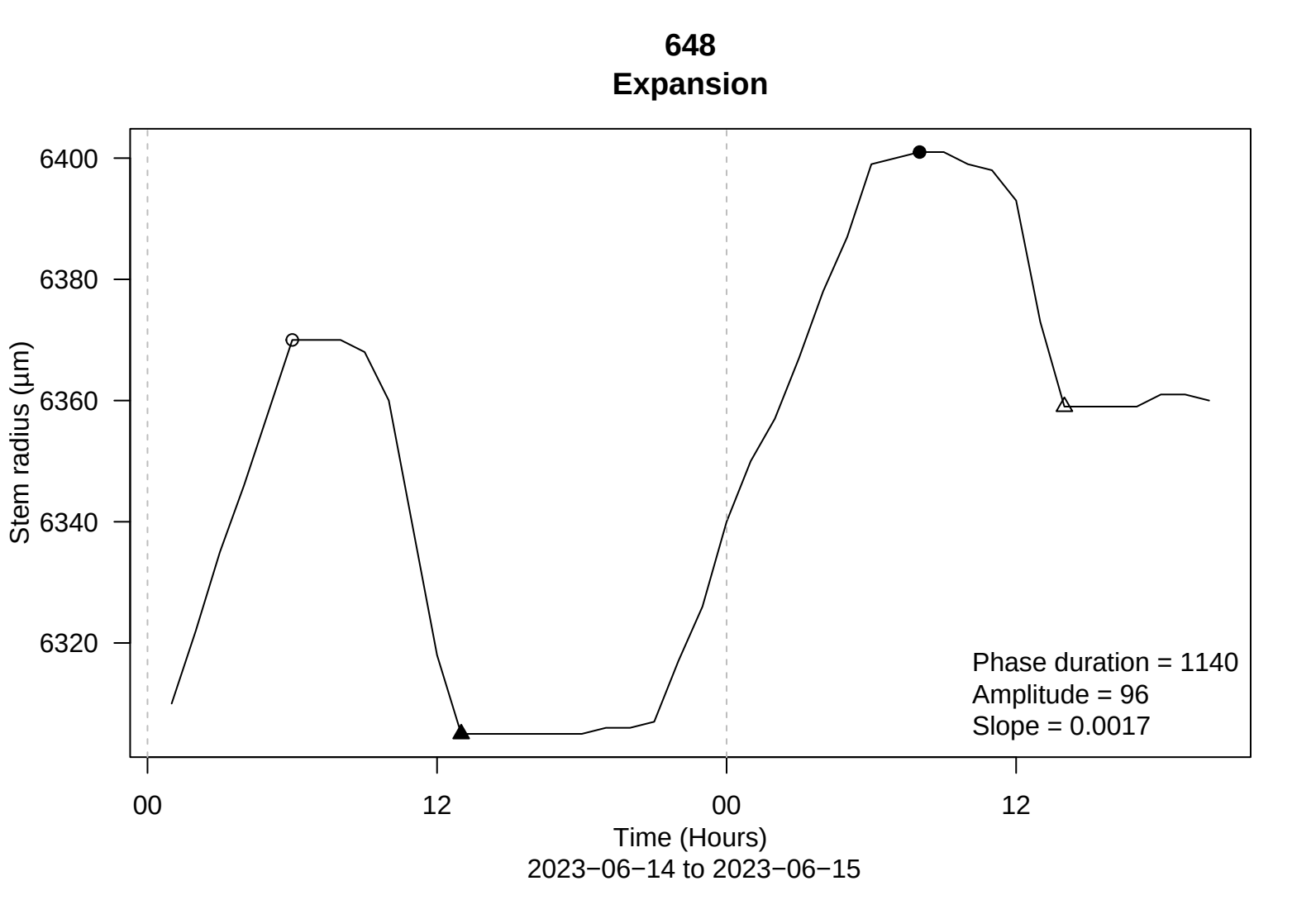

648
Shrinkage
6350
6300
6250
6200
Stem radius (µm)
Phase duration = 420
Amplitude = −91
Slope = −0.004
00
06
12
18
00
Time (Hours)
2023−06−12 to 2023−06−12

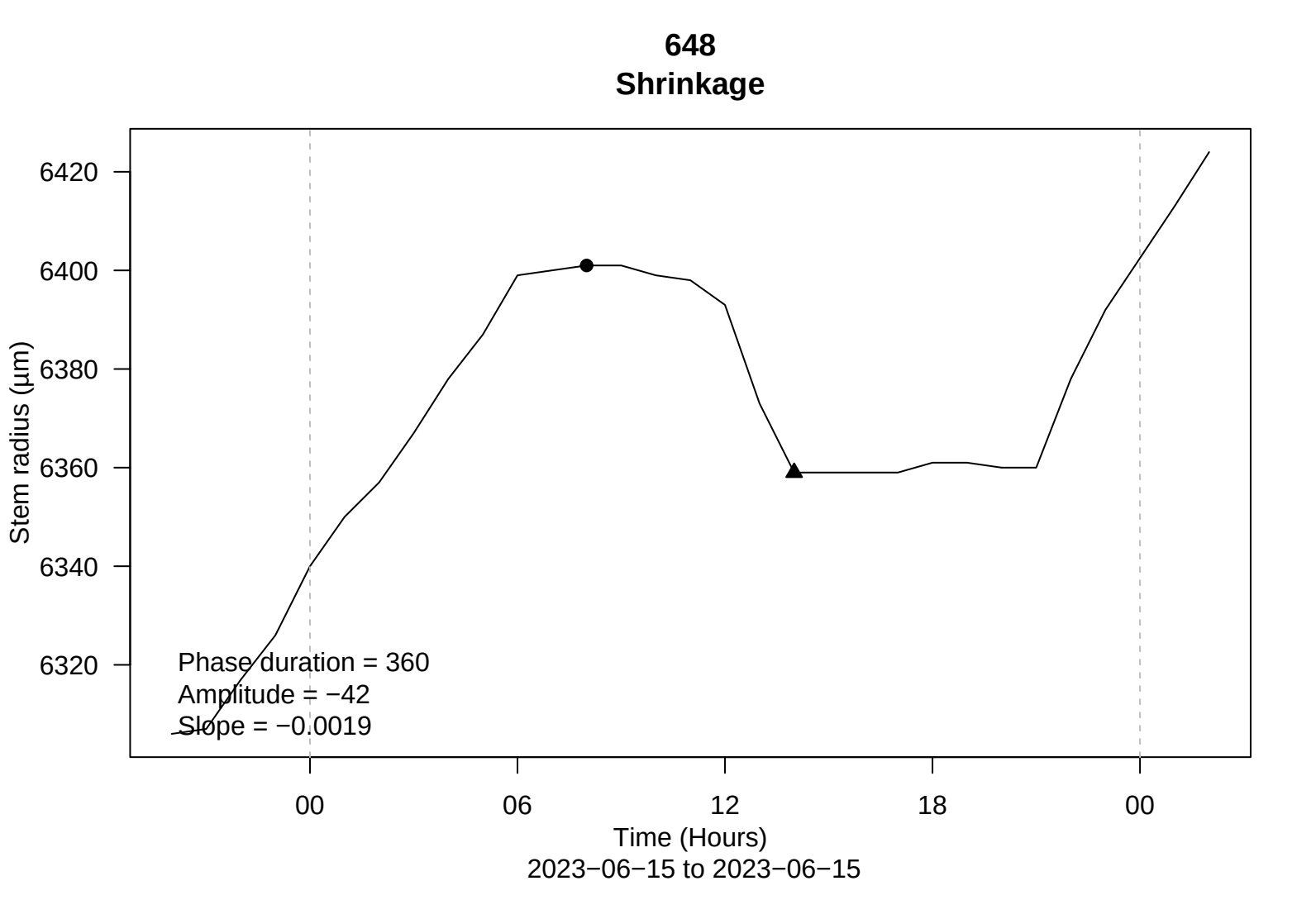

648
Expansion
6350
6300
6250
6200
Stem radius (µm)
Phase duration = 840
Amplitude = 168
Slope = 0.004
12
00
12
Time (Hours)
2023−06−12 to 2023−06−13

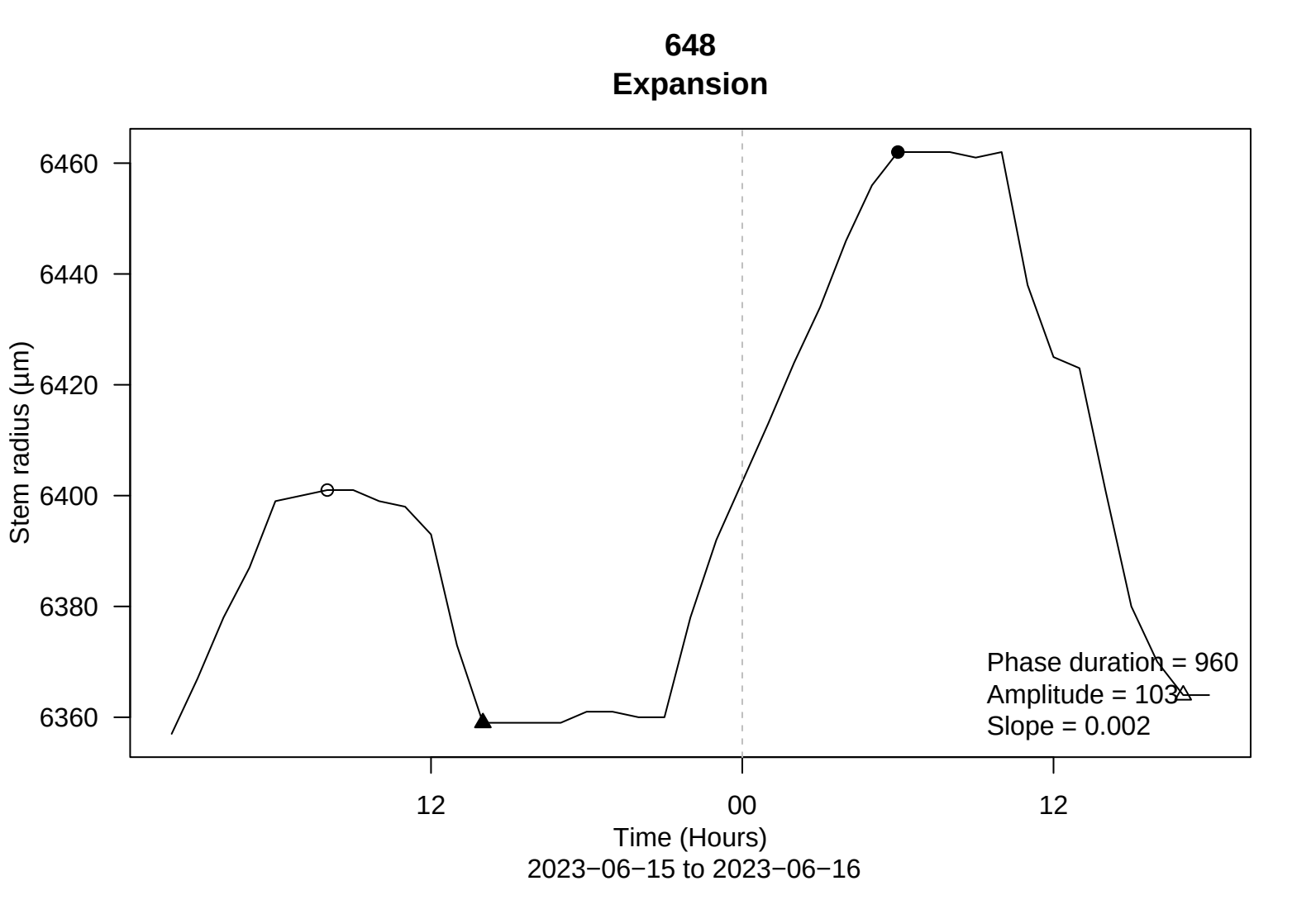

648
Shrinkage
6350
6300
6250
6200
Stem radius (µm)
Phase duration = 540
Amplitude = −162
Slope = −0.0059
00
12
00
Time (Hours)
2023−06−13 to 2023−06−13

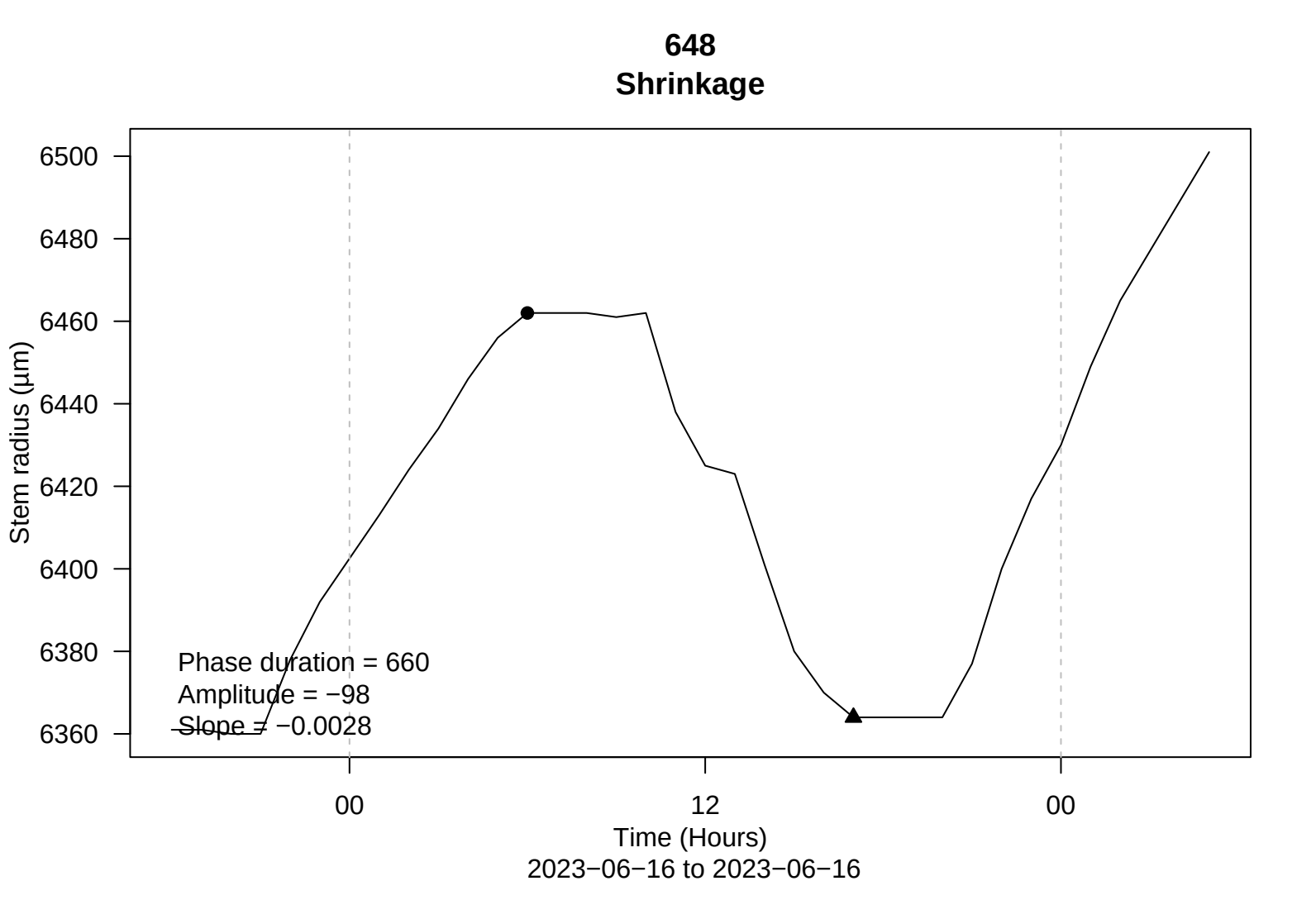

648
Expansion
6350
6300
6250
6200
Stem radius (µm)
12
00
12
Time (Hours)
2023−06−13 to 2023−06−14
Phase duration = 900
Amplitude = 165
Slope = 0.0035

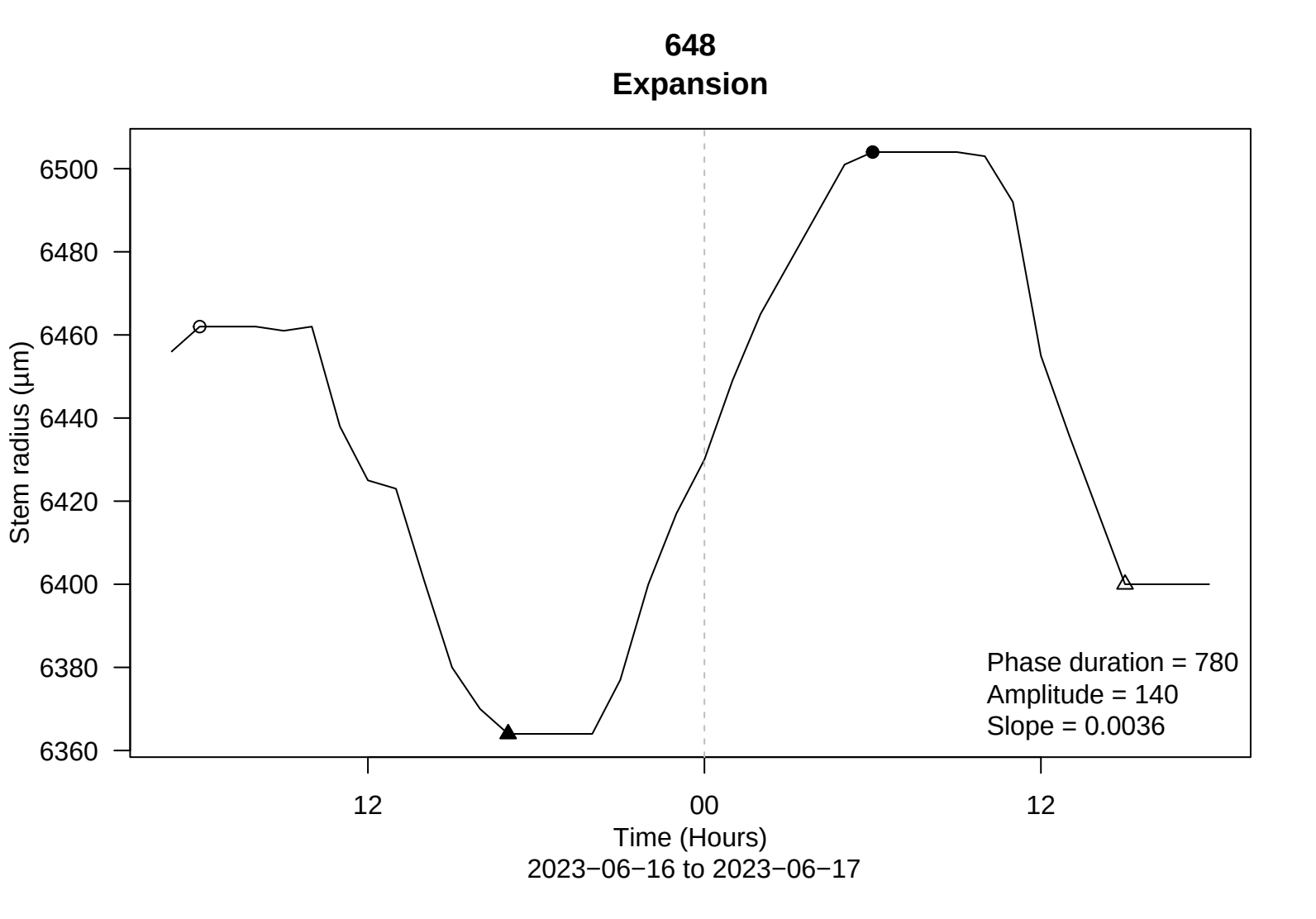

648
Shrinkage
6350
6300
6250
6200
Stem radius (µm)
Phase duration = 420
Amplitude = −65
Slope = −0.0027
00
12
00
Time (Hours)
2023−06−14 to 2023−06−14

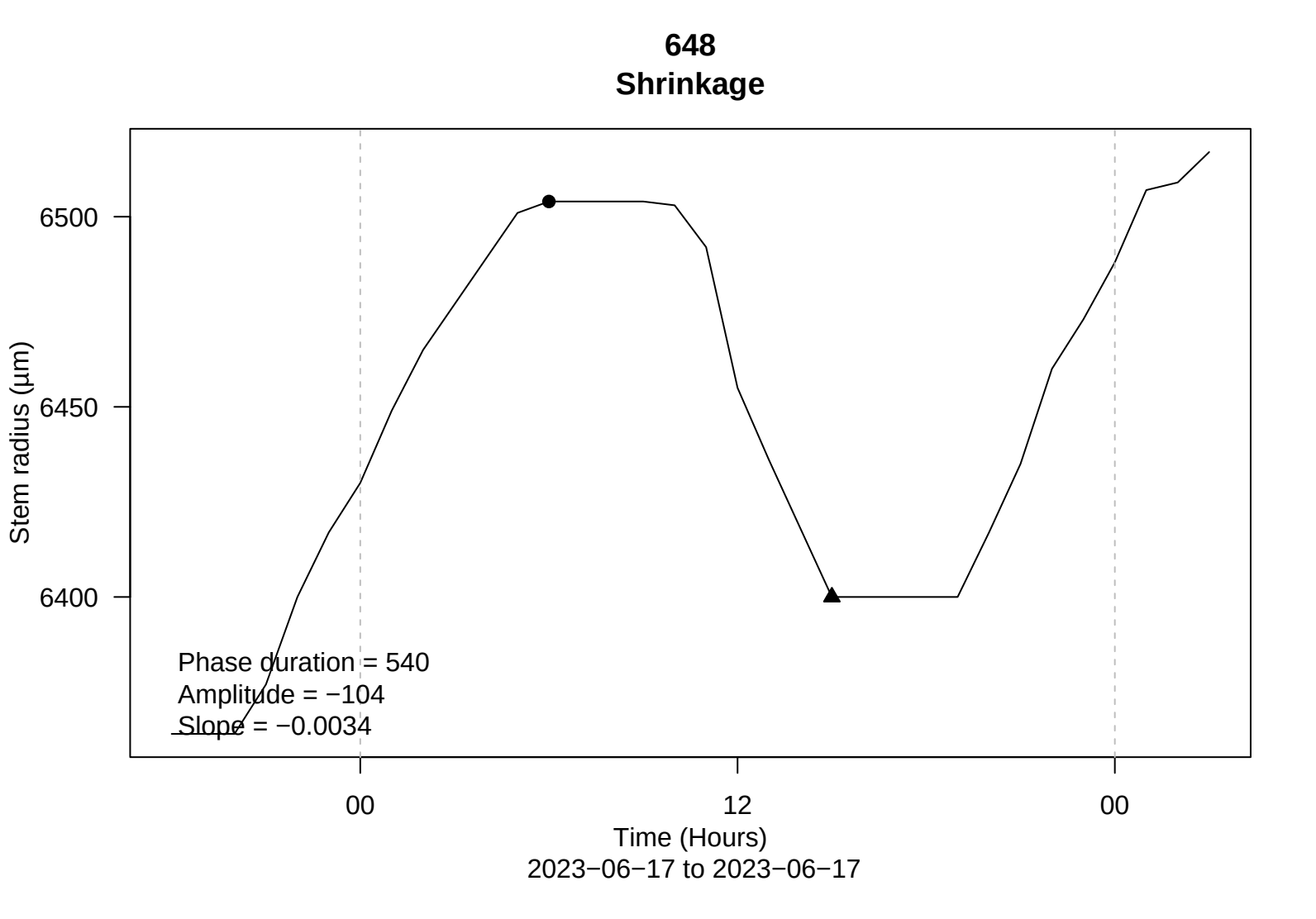

648
Expansion
6400
6380
6360
6340
6320
Stem radius (µm)
Phase duration = 1140
Amplitude = 96
Slope = 0.0017
00
12
00
12
Time (Hours)
2023−06−14 to 2023−06−15

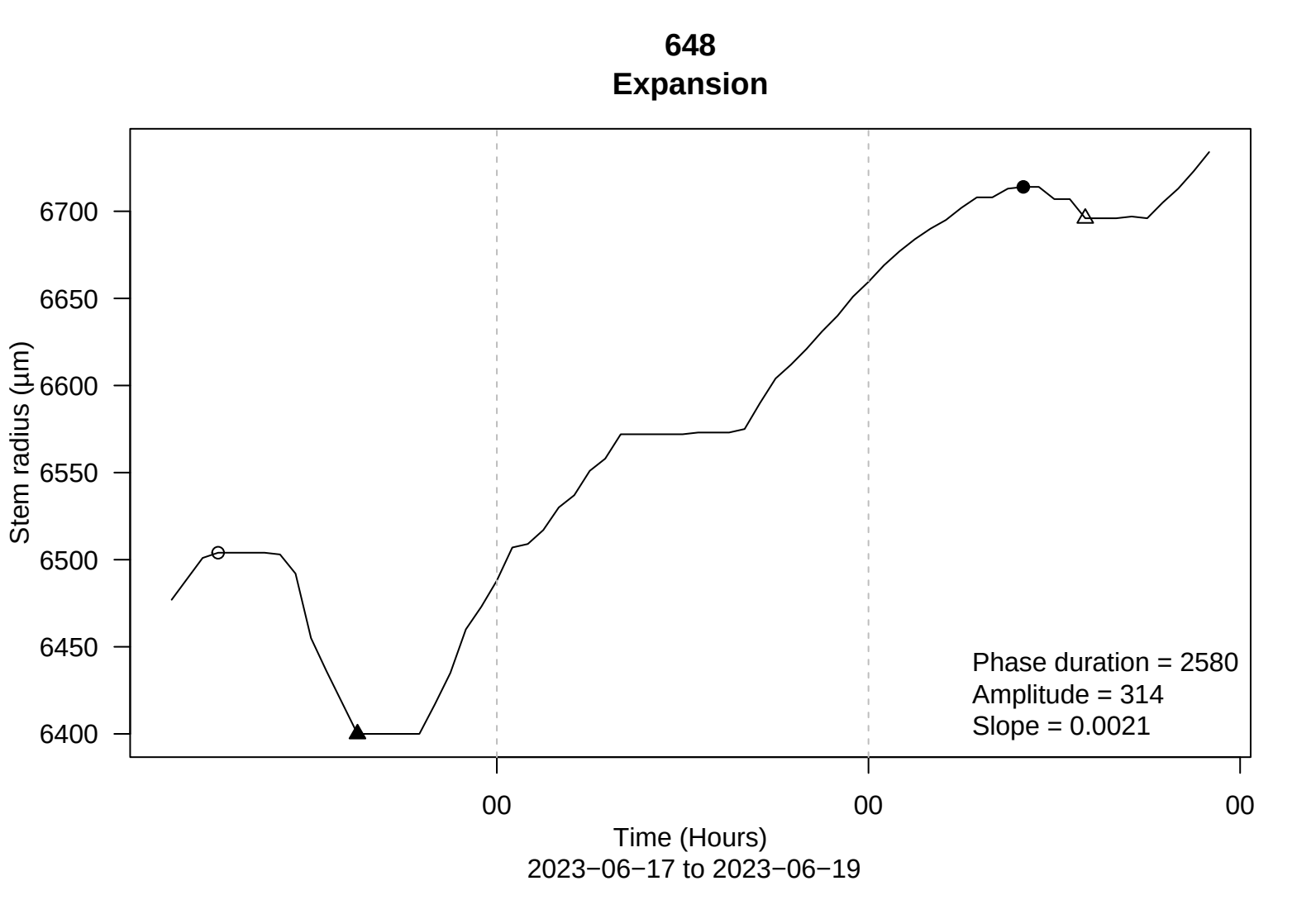

648
Shrinkage
6420
6400
6380
6360
6340
6320
Stem radius (µm)
Phase duration = 360
Amplitude = −42
Slope = −0.0019
00
06
12
18
00
Time (Hours)
2023−06−15 to 2023−06−15

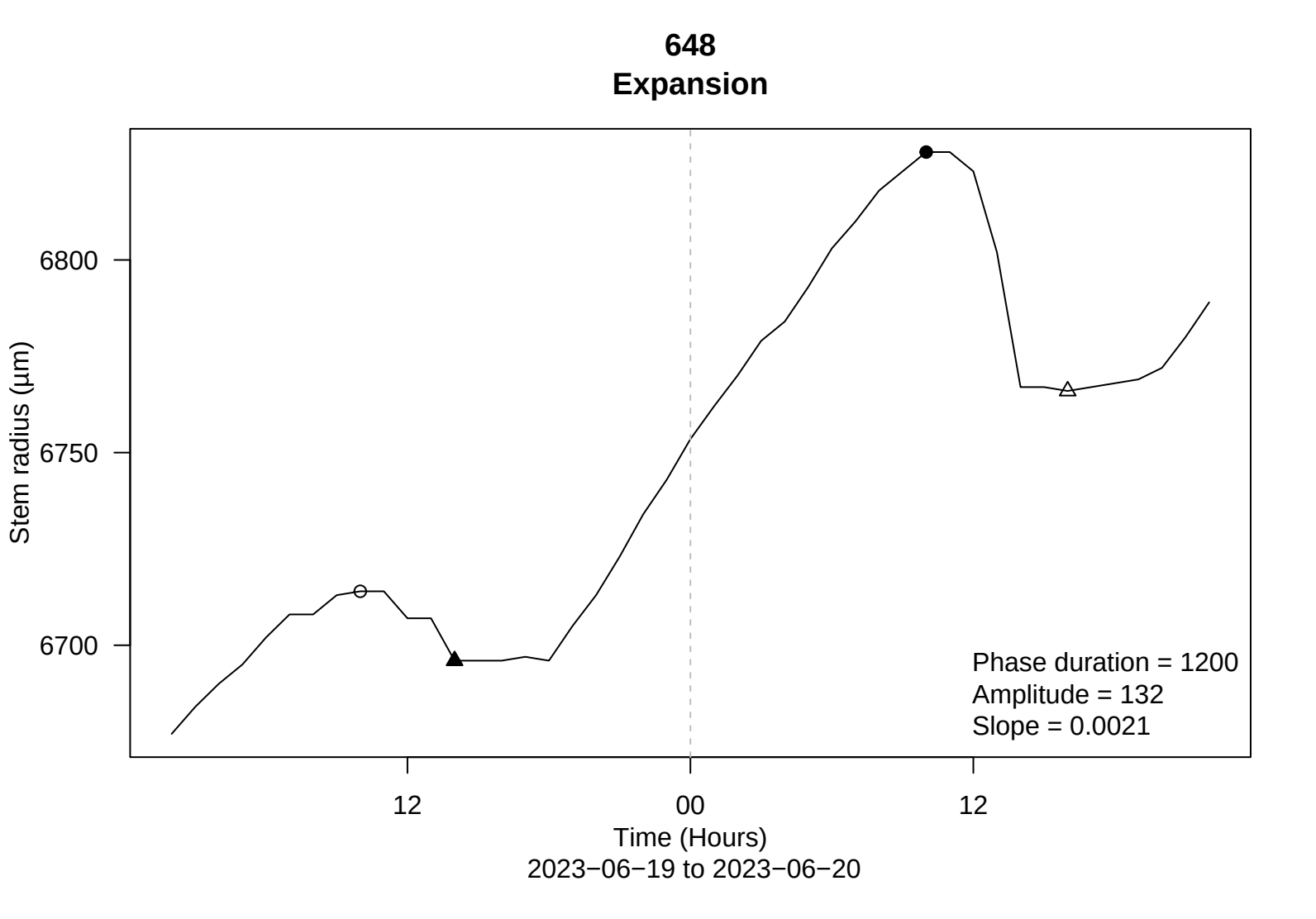

648
Expansion
6460
6440
6420
6400
6380
6360
Stem radius (µm)
Phase duration = 960
Amplitude = 103
Slope = 0.002
12
00
12
Time (Hours)
2023−06−15 to 2023−06−16

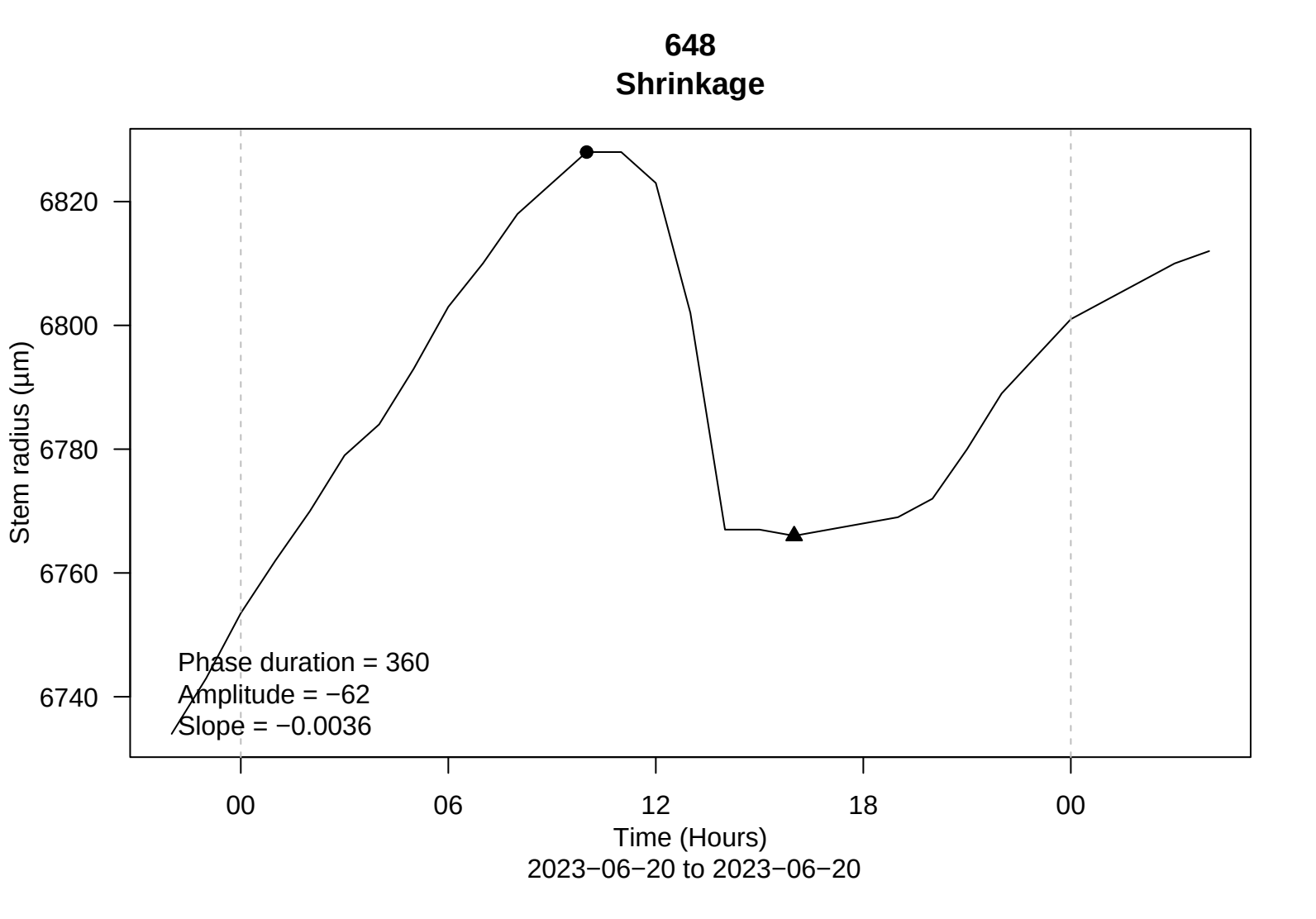

648
Shrinkage
6500
6480
6460
6440
6420
6400
6380
6360
Stem radius (µm)
Phase duration = 660
Amplitude = −98
Slope = −0.0028
00
12
00
Time (Hours)
2023−06−16 to 2023−06−16

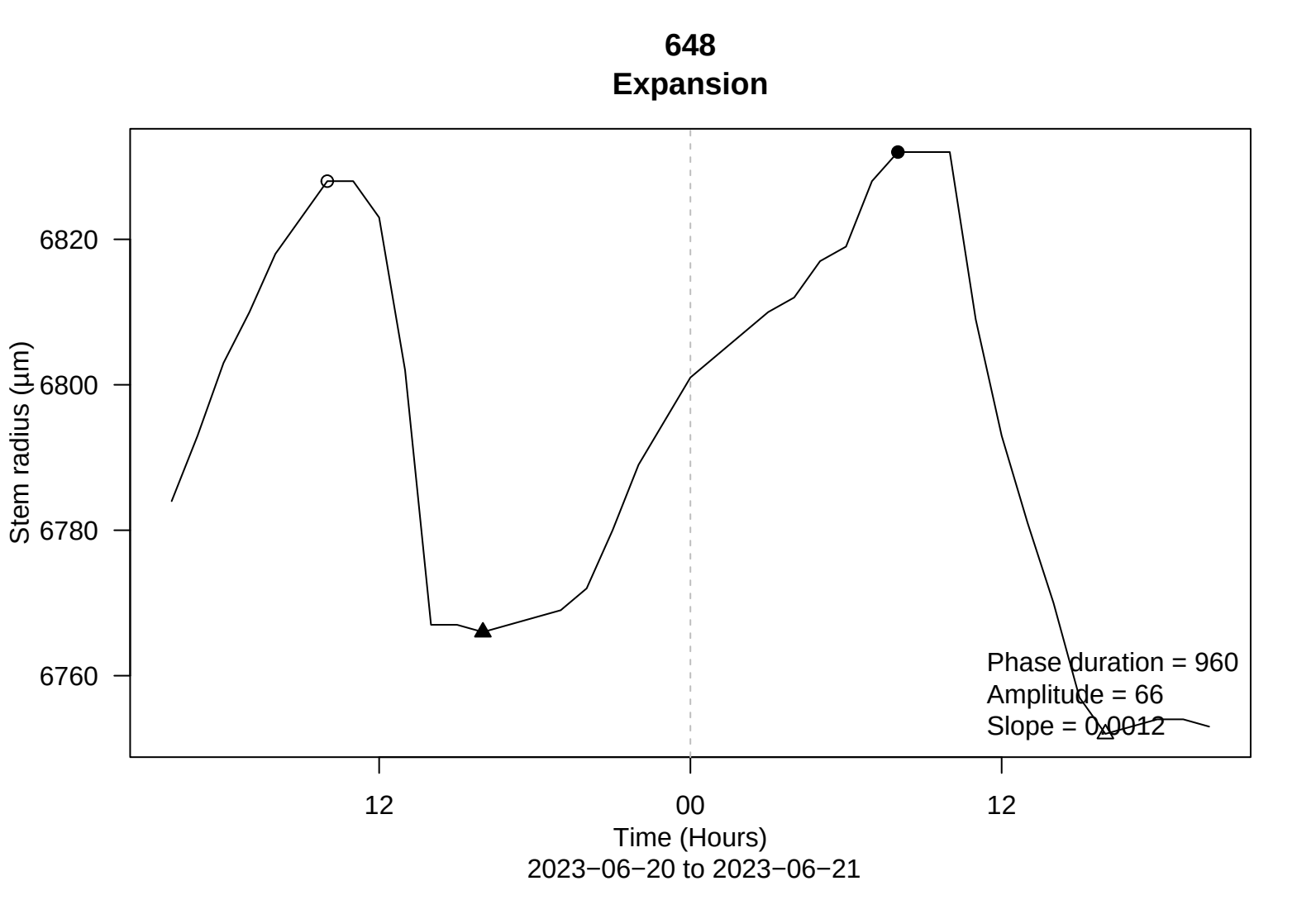

648
Expansion
6500
6480
6460
6440
6420
6400
6380
6360
Stem radius (µm)
12
00
12
Time (Hours)
2023−06−16 to 2023−06−17
Phase duration = 780
Amplitude = 140
Slope = 0.0036

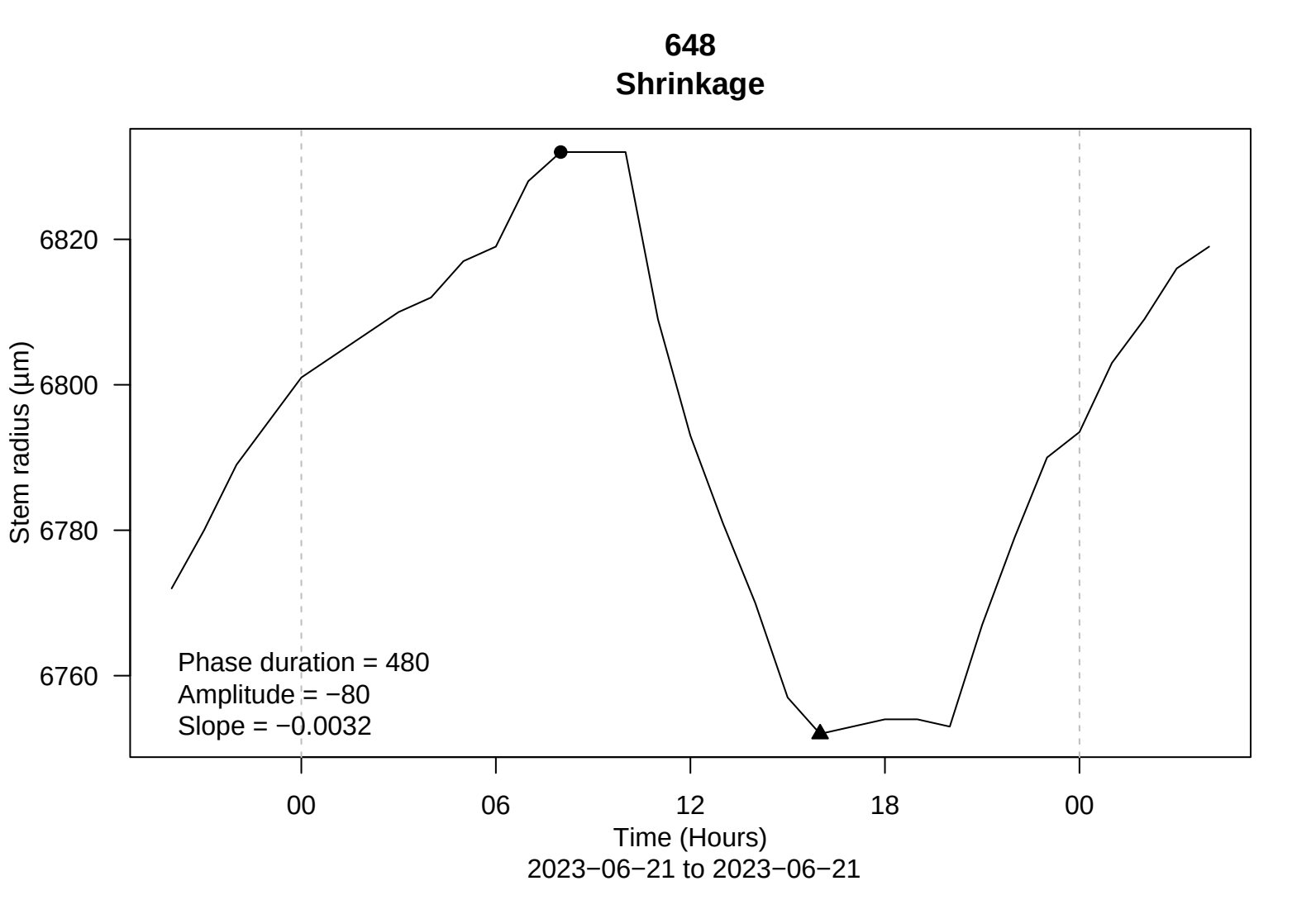

648
Shrinkage
6500
6450
6400
Stem radius (µm)
Phase duration = 540
Amplitude = −104
Slope = −0.0034
00
12
00
Time (Hours)
2023−06−17 to 2023−06−17

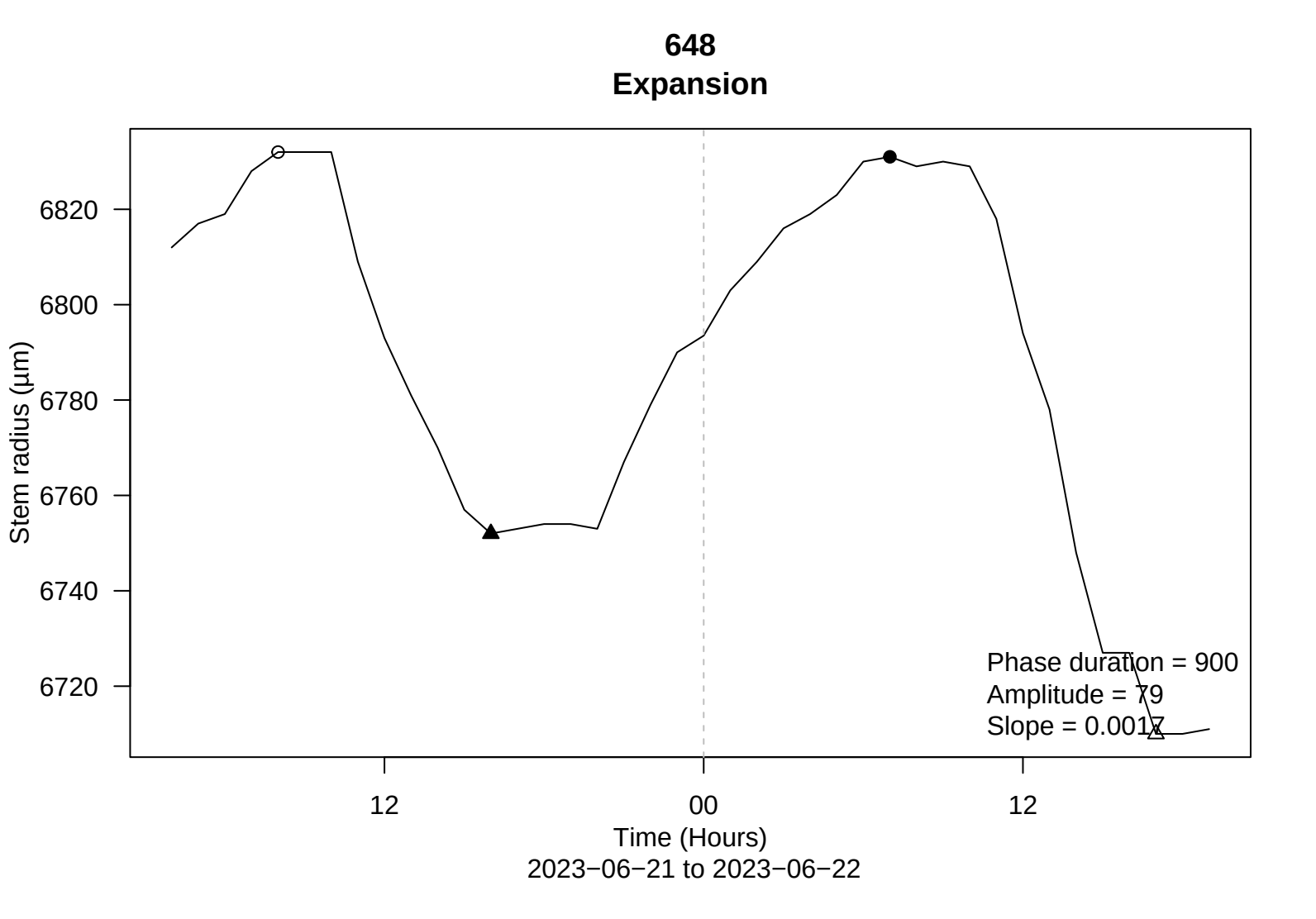

648
Expansion
6700
6650
6600
6550
6500
6450
6400
Stem radius (µm)
00
00
00
Time (Hours)
2023−06−17 to 2023−06−19
Phase duration = 2580
Amplitude = 314
Slope = 0.0021

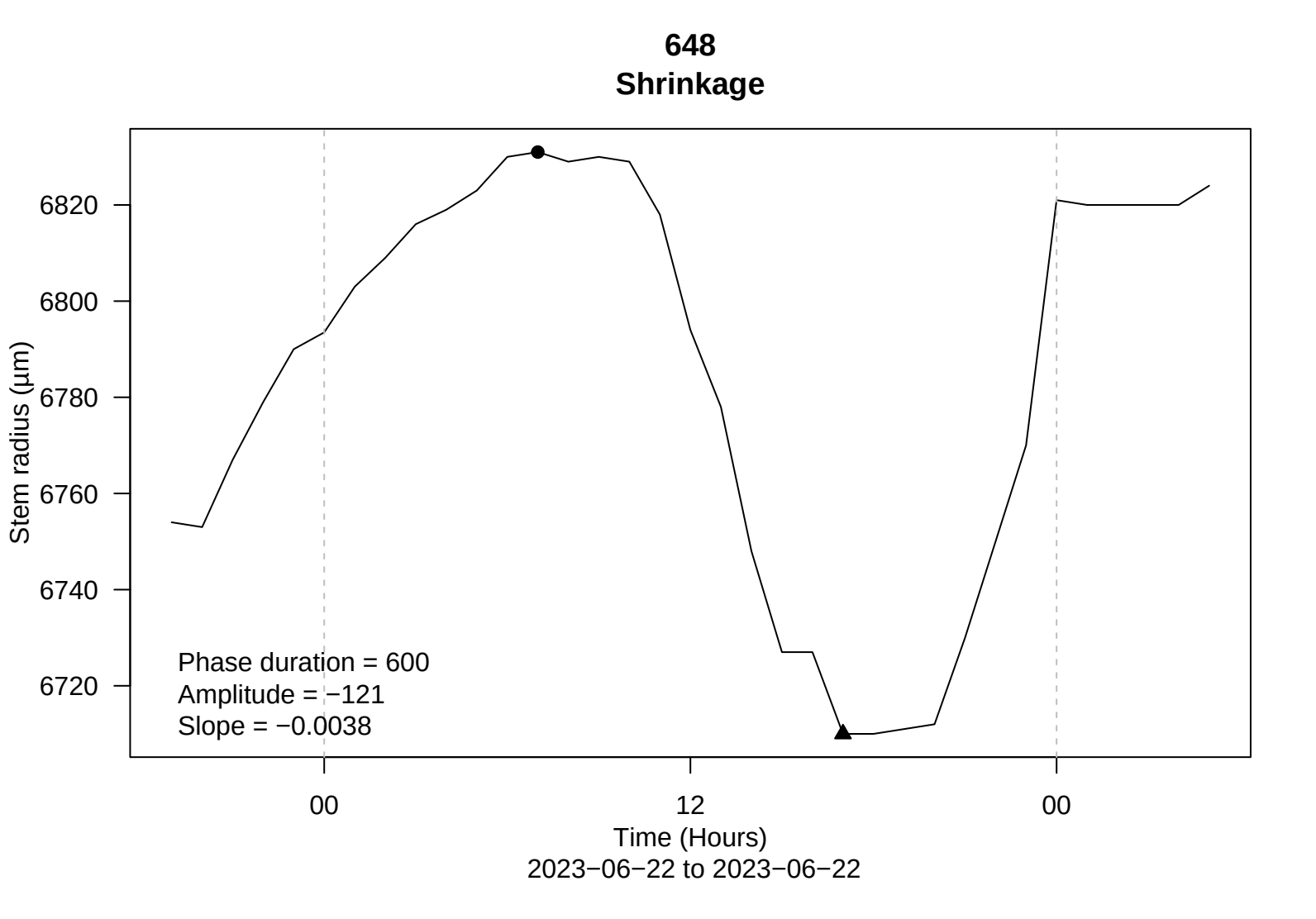

648
Expansion
6800
6750
6700
Stem radius (µm)
Phase duration = 1200
Amplitude = 132
Slope = 0.0021
12
00
12
Time (Hours)
2023−06−19 to 2023−06−20

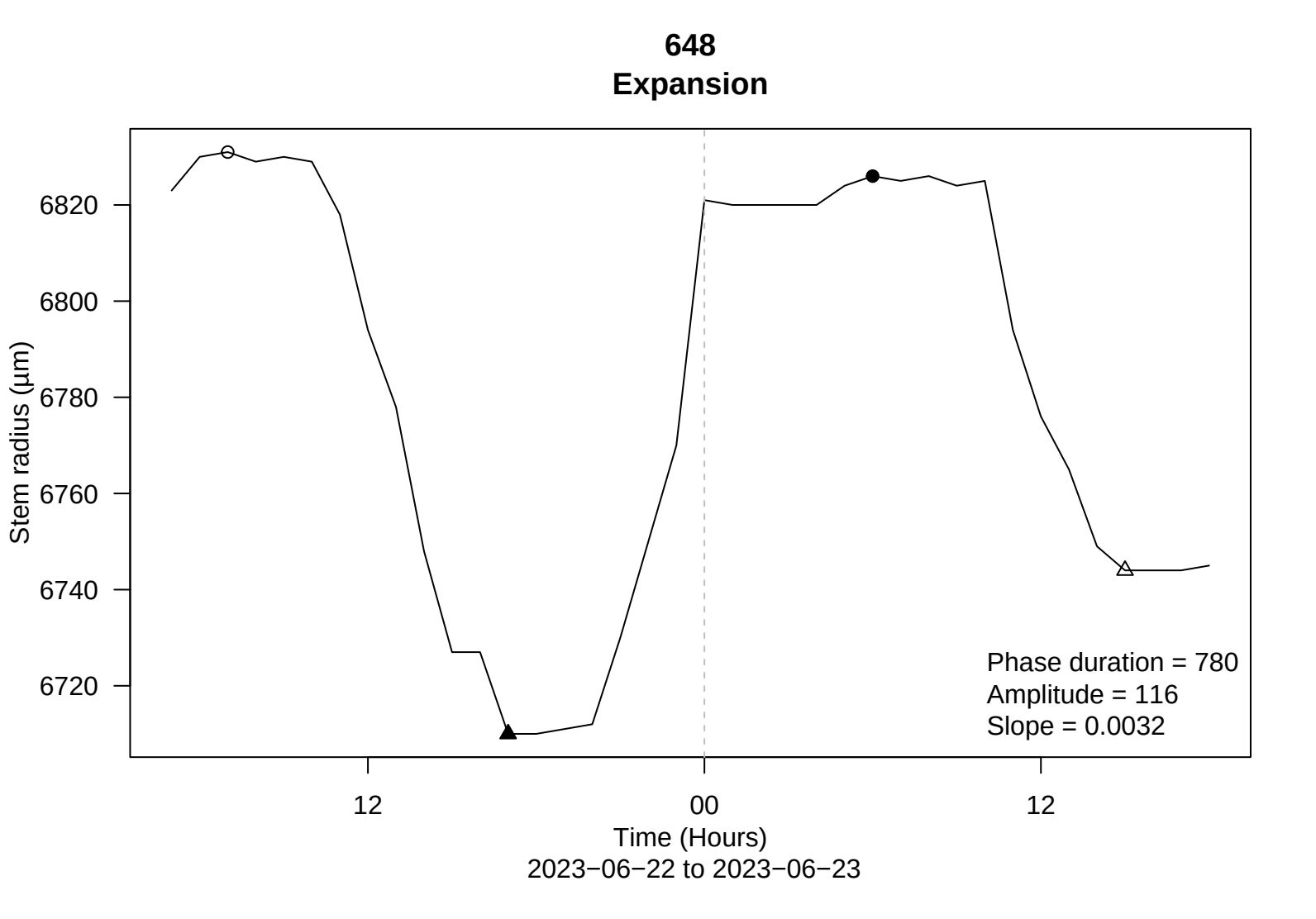

648
Shrinkage
6820
6800
6780
6760
6740
Stem radius (µm)
Phase duration = 360
Amplitude = −62
Slope = −0.0036
00
06
12
18
00
Time (Hours)
2023−06−20 to 2023−06−20

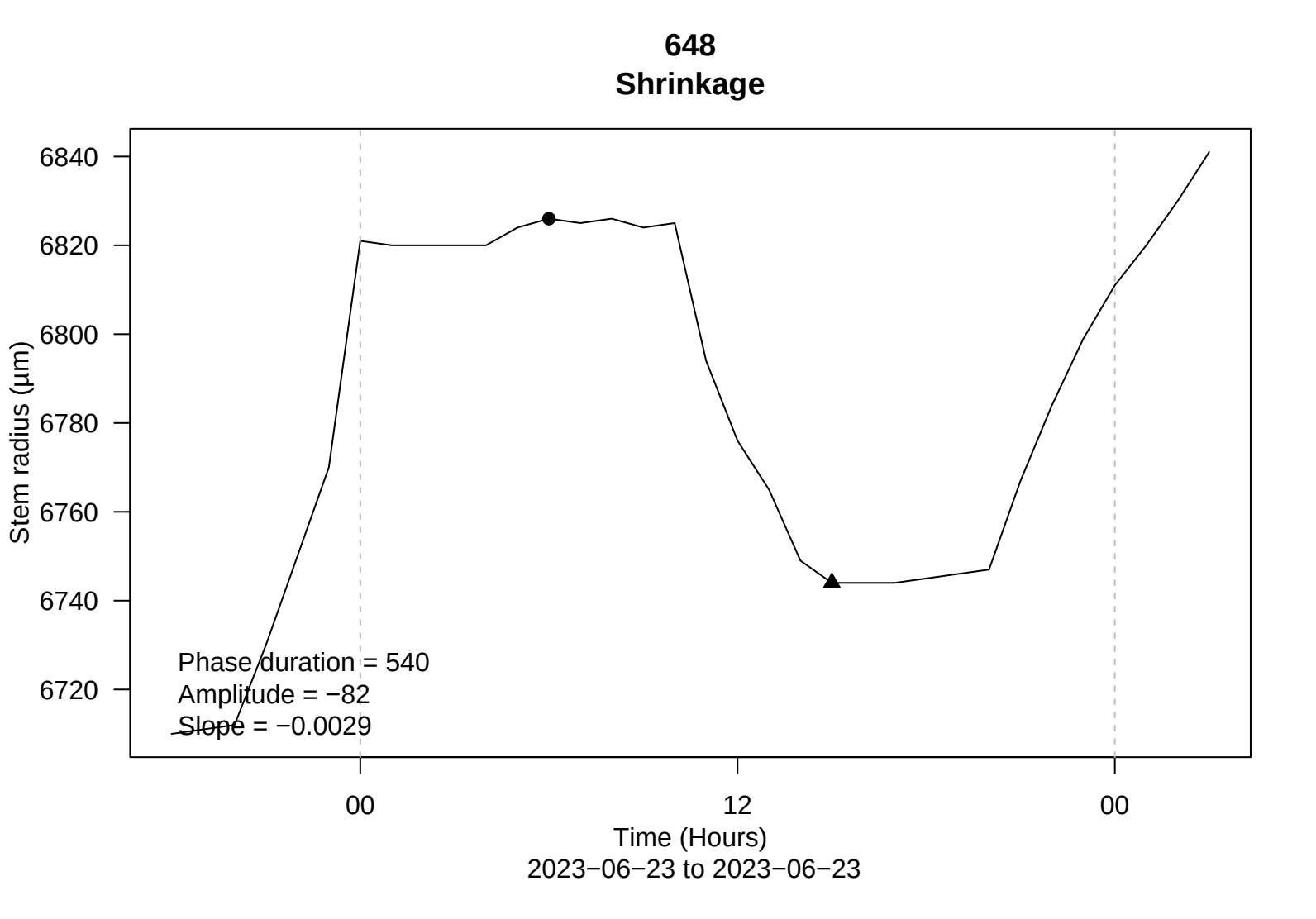

648
Expansion
6820
6800
6780
6760
Stem radius (µm)
Phase duration = 960
Amplitude = 66
Slope = 0.0012
12
00
12
Time (Hours)
2023−06−20 to 2023−06−21

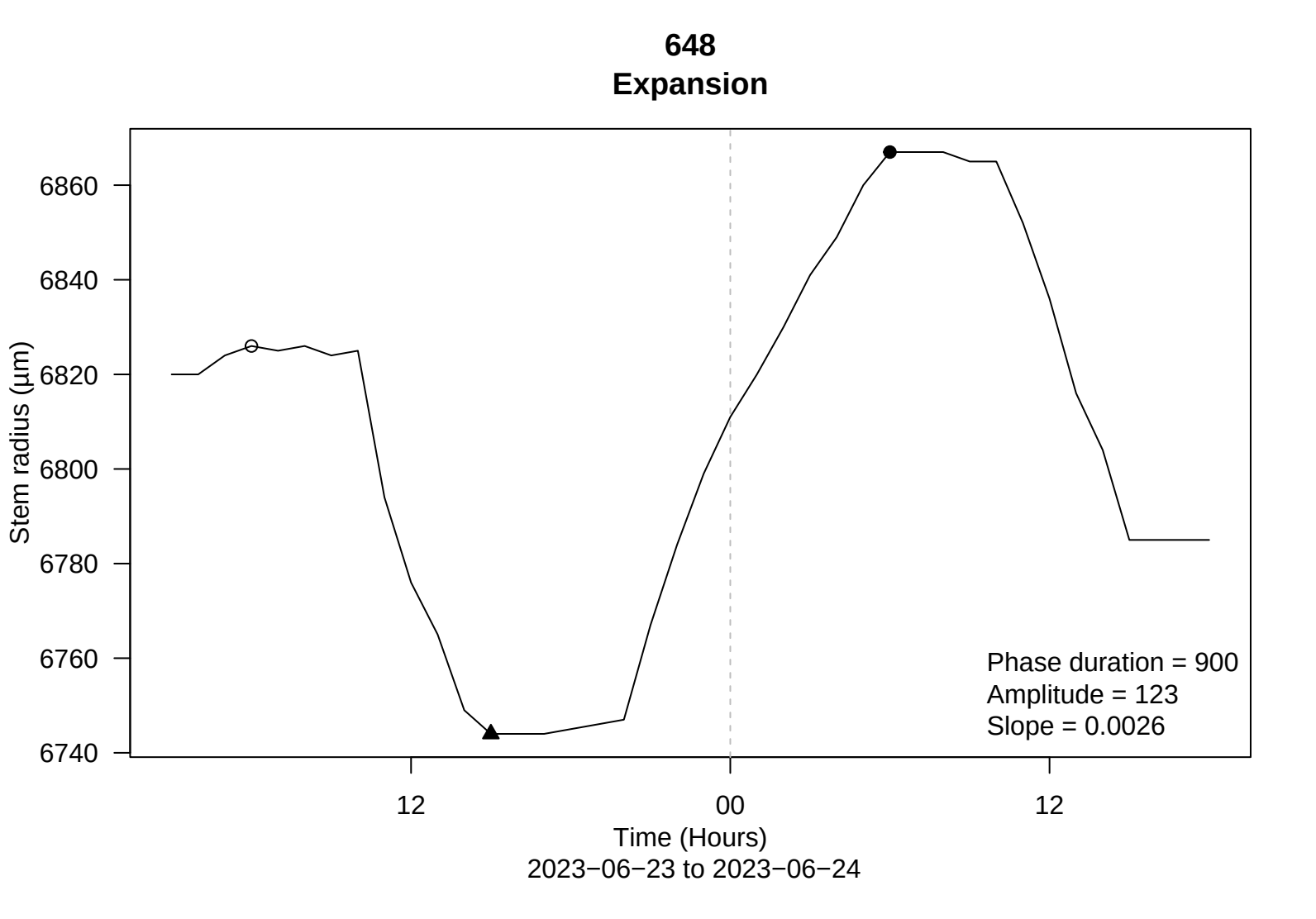

648
Shrinkage
6820
6800
6780
6760
Stem radius (µm)
Phase duration = 480
Amplitude = −80
Slope = −0.0032
00
06
12
18
00
Time (Hours)
2023−06−21 to 2023−06−21

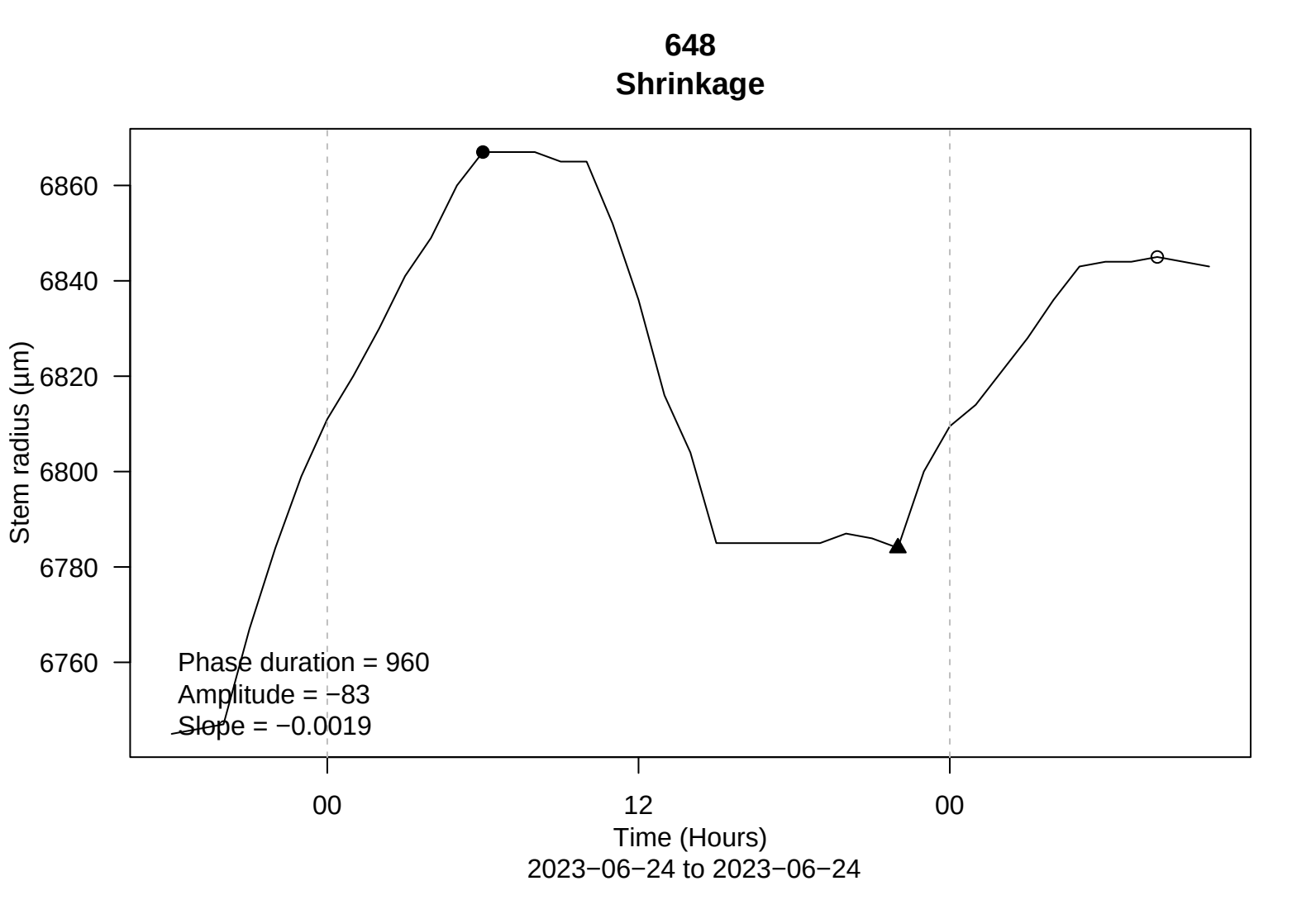

648
Expansion
6820
6800
6780
6760
6740
6720
Stem radius (µm)
Phase duration = 900
Amplitude = 79
Slope = 0.0017
12
00
12
Time (Hours)
2023−06−21 to 2023−06−22

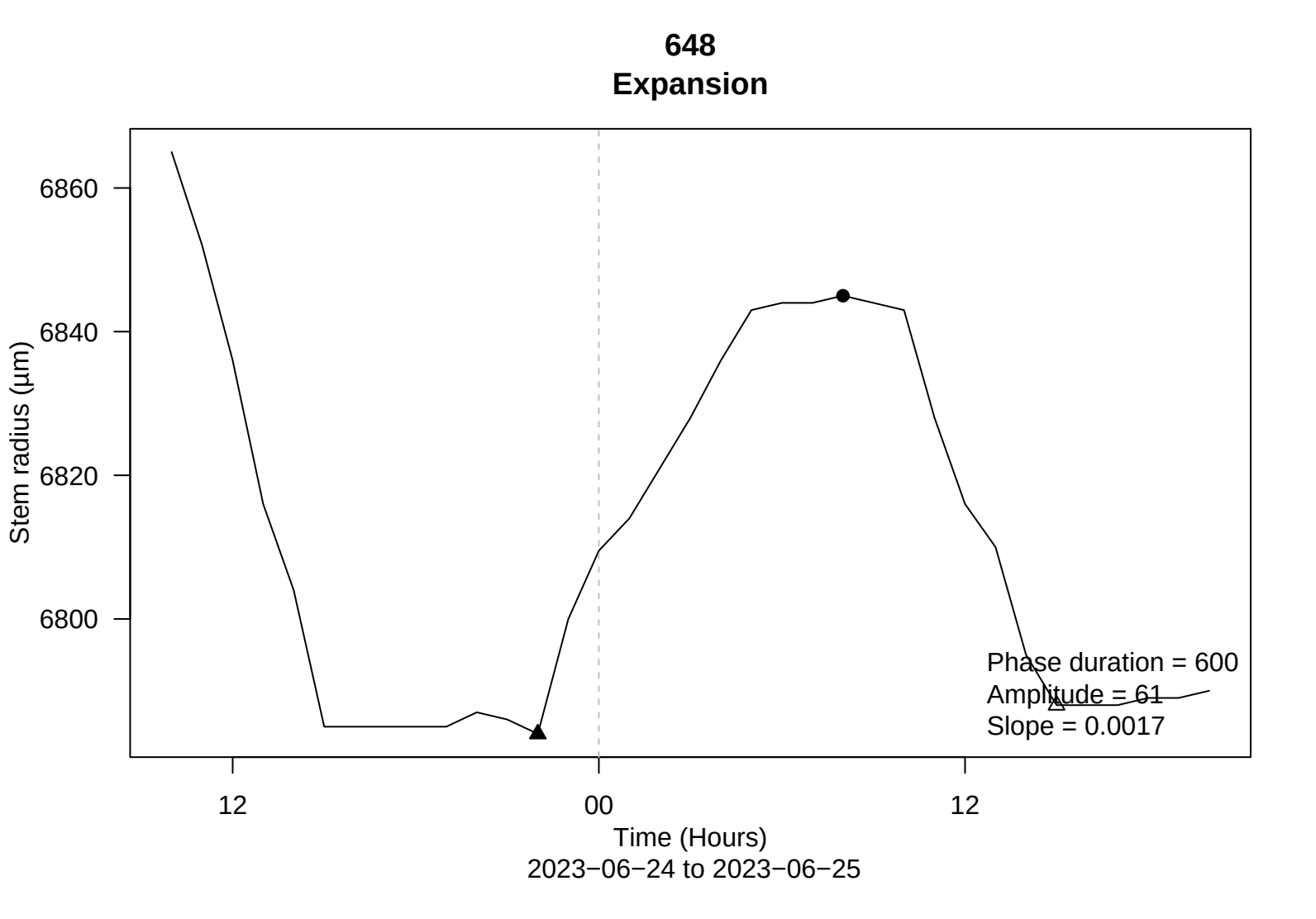

648
Shrinkage
6820
6800
6780
6760
6740
6720
Stem radius (µm)
Phase duration = 600
Amplitude = −121
Slope = −0.0038
00
12
00
Time (Hours)
2023−06−22 to 2023−06−22

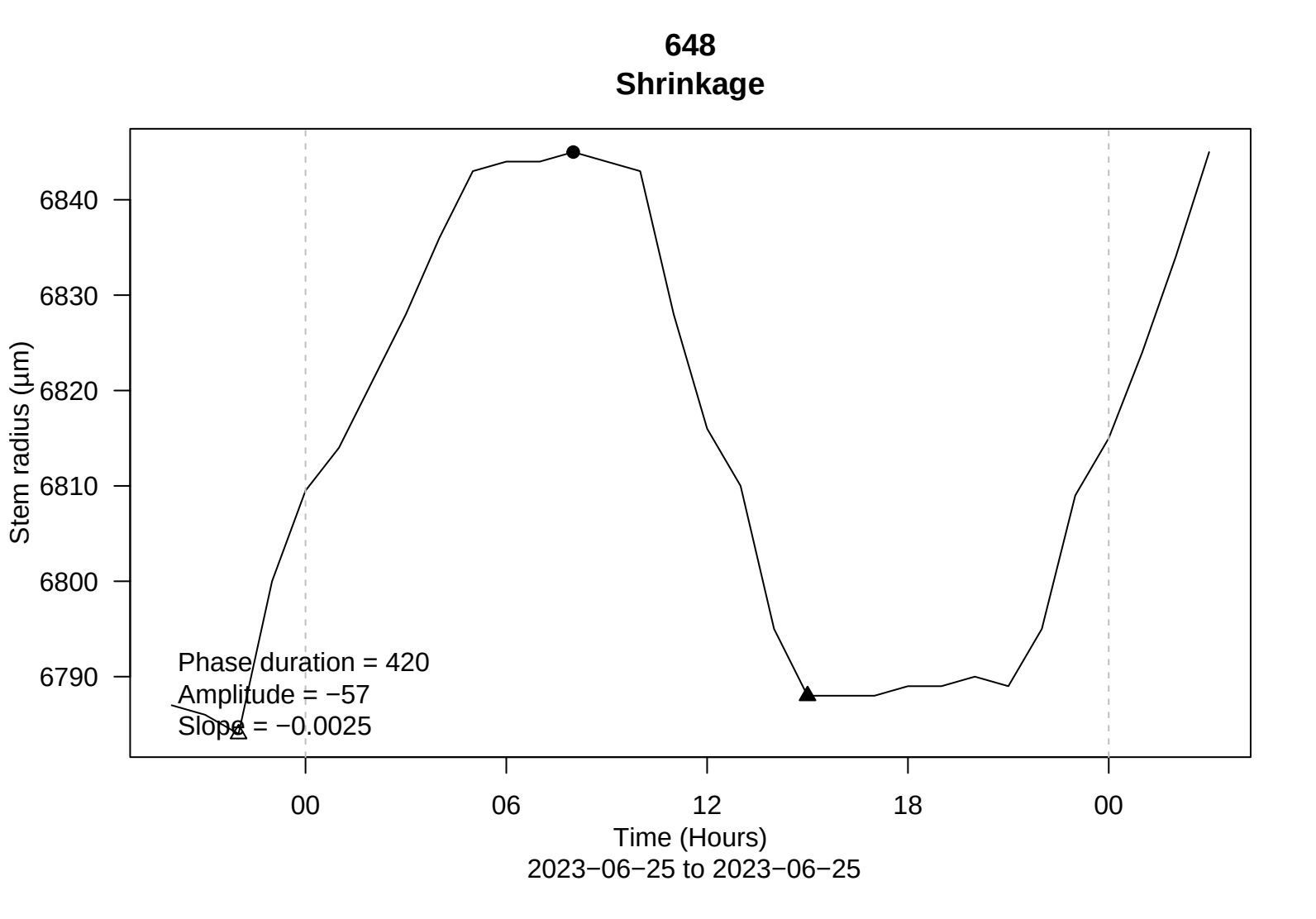

648
Expansion
6820
6800
6780
6760
6740
6720
Stem radius (µm)
Phase duration = 780
Amplitude = 116
Slope = 0.0032
12
00
12
Time (Hours)
2023−06−22 to 2023−06−23

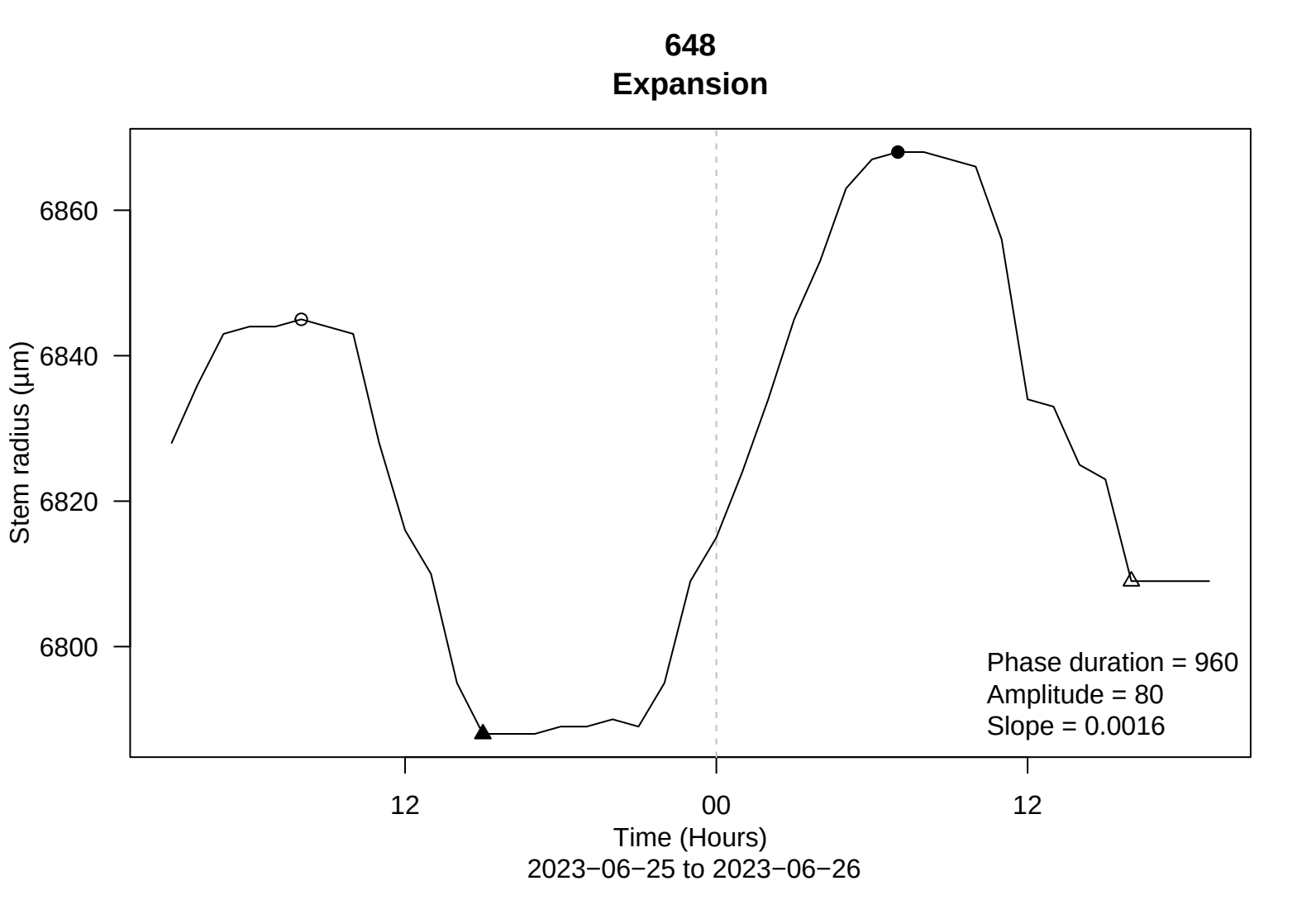

648
Shrinkage
6840
6820
6800
6780
6760
6740
6720
Stem radius (µm)
Phase duration = 540
Amplitude = −82
Slope = −0.0029
00
12
00
Time (Hours)
2023−06−23 to 2023−06−23

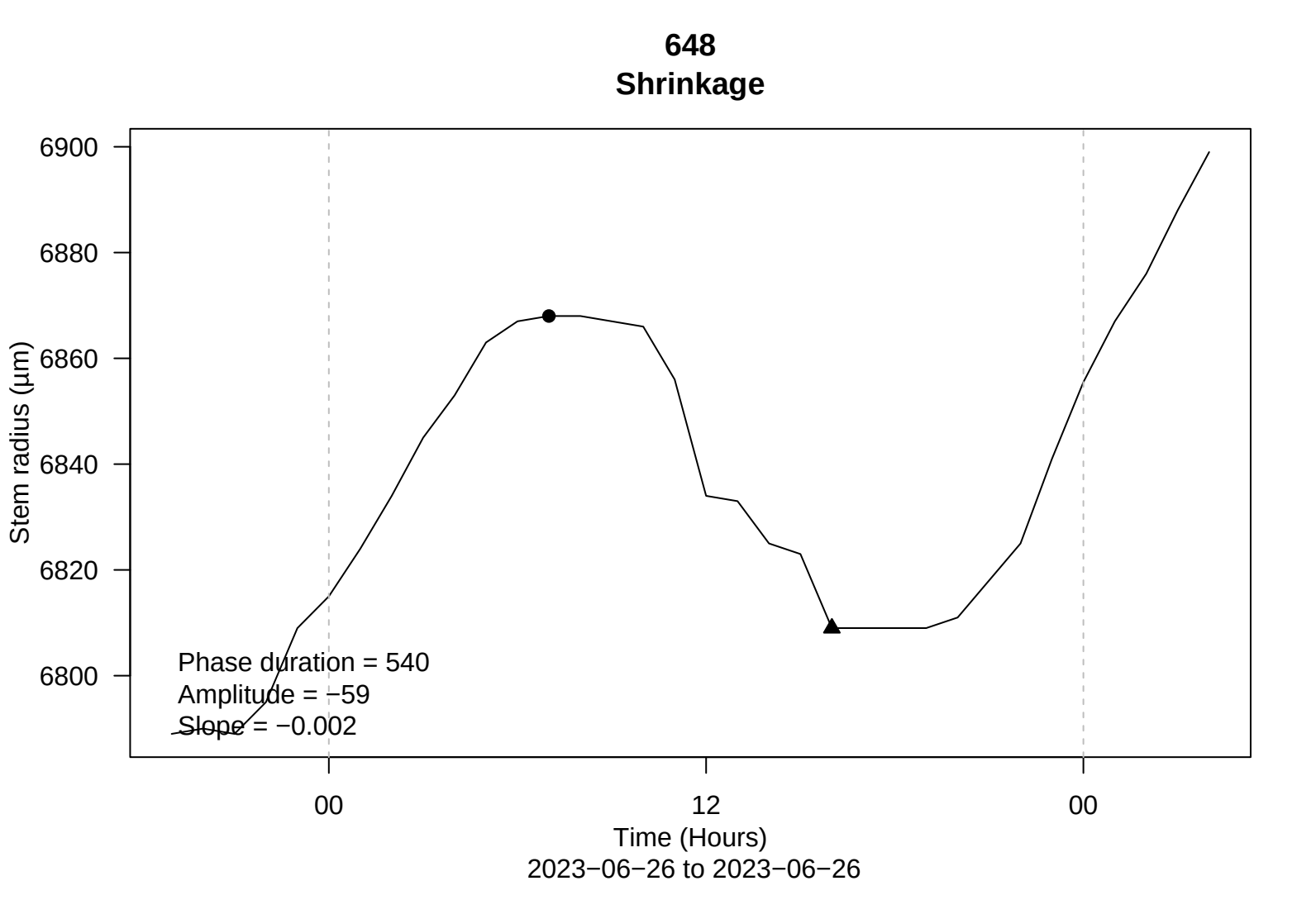

648
Expansion
6860
6840
6820
6800
6780
6760
6740
Stem radius (µm)
12
00
12
Time (Hours)
2023−06−23 to 2023−06−24
Phase duration = 900
Amplitude = 123
Slope = 0.0026

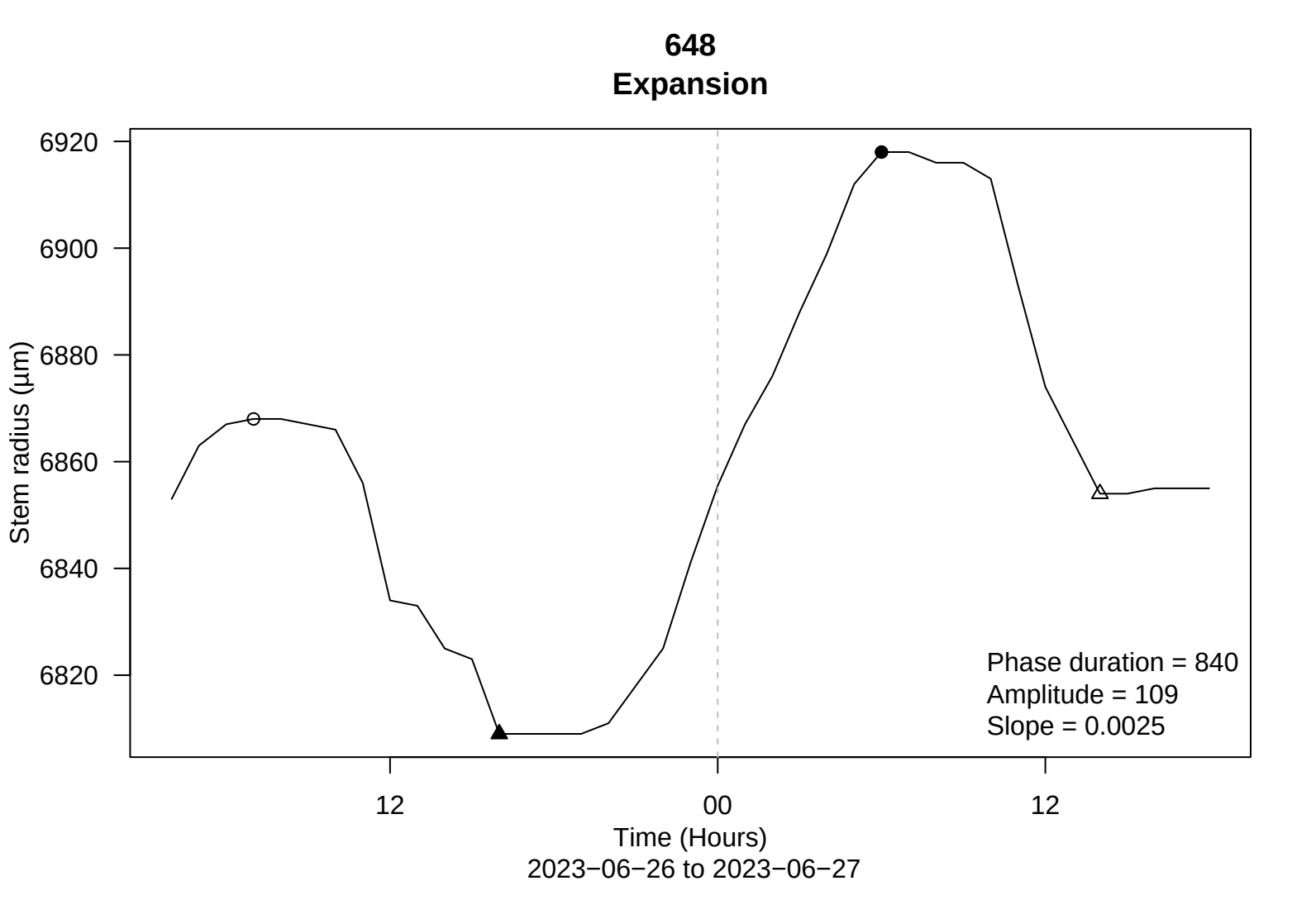

648
Shrinkage
6860
6840
6820
6800
6780
6760
Stem radius (µm)
Phase duration = 960
Amplitude = −83
Slope = −0.0019
00
12
00
Time (Hours)
2023−06−24 to 2023−06−24

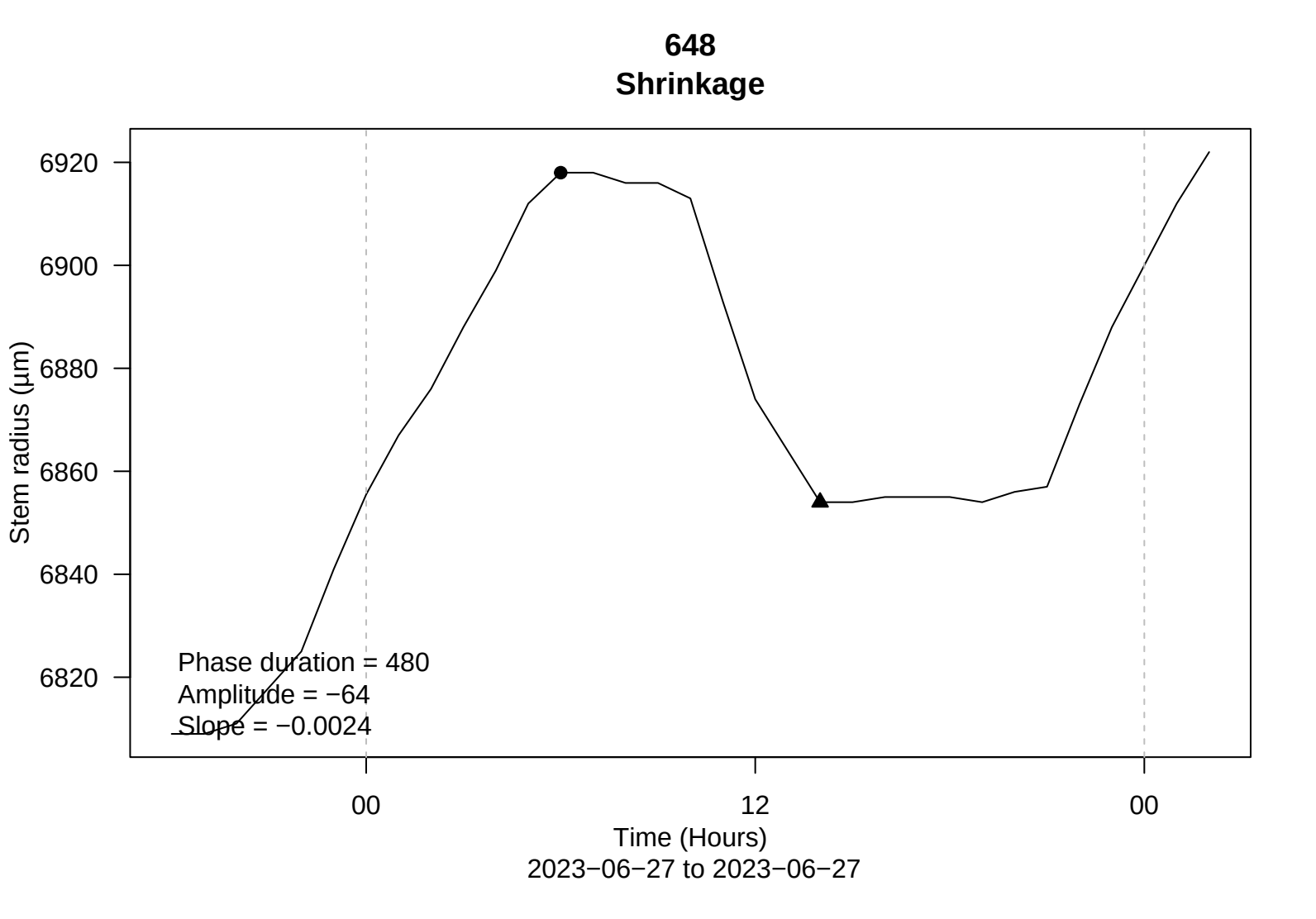

648
Expansion
6860
6840
6820
6800
Stem radius (µm)
Phase duration = 600
Amplitude = 61
Slope = 0.0017
12
00
12
Time (Hours)
2023−06−24 to 2023−06−25

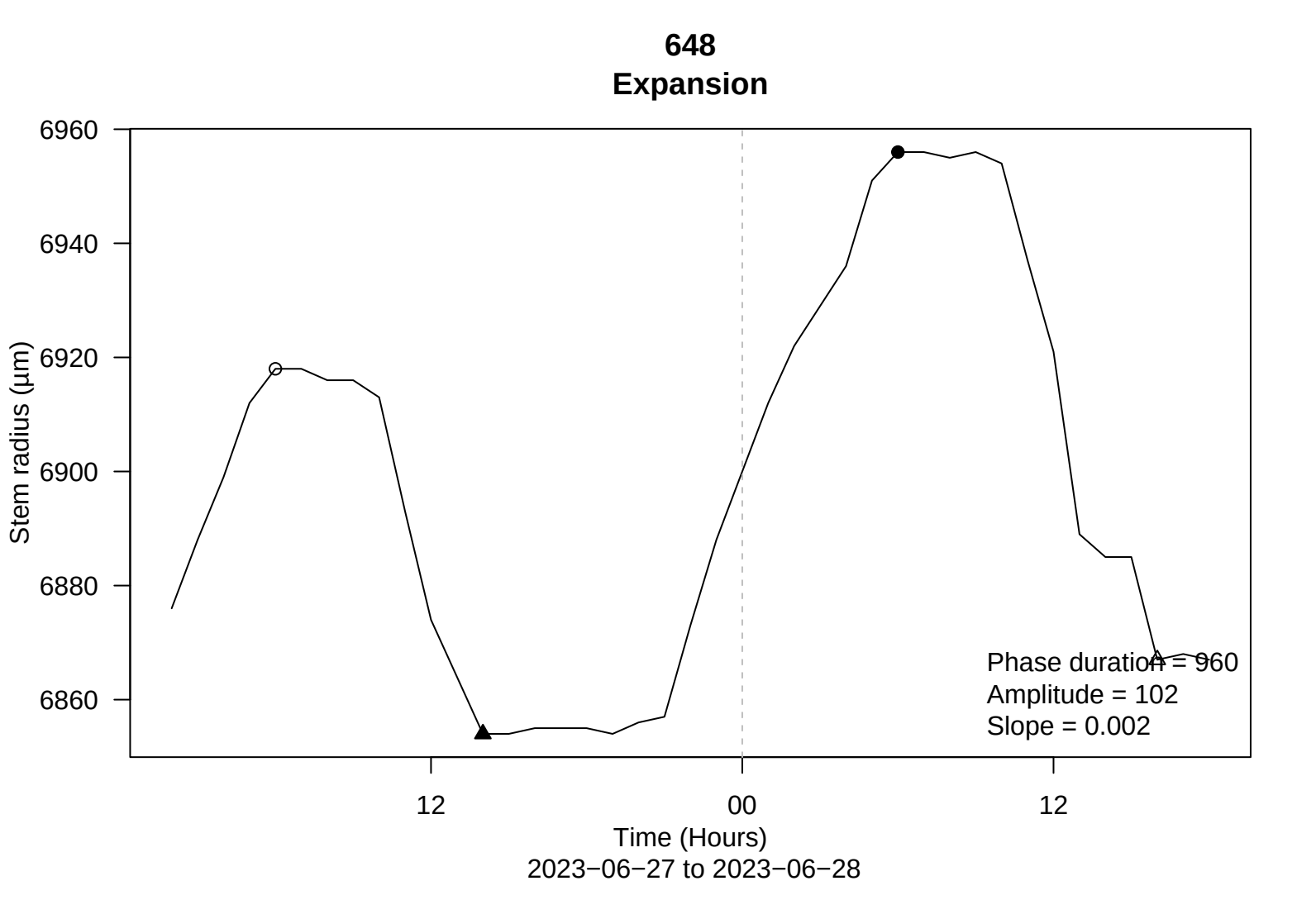

648
Shrinkage
Stem radius (µm)
6840
6830
6820
6810
6800
6790
Phase duration = 420
Amplitude = −57
Slope = −0.0025
00
06
12
18
00
Time (Hours)
2023−06−25 to 2023−06−25

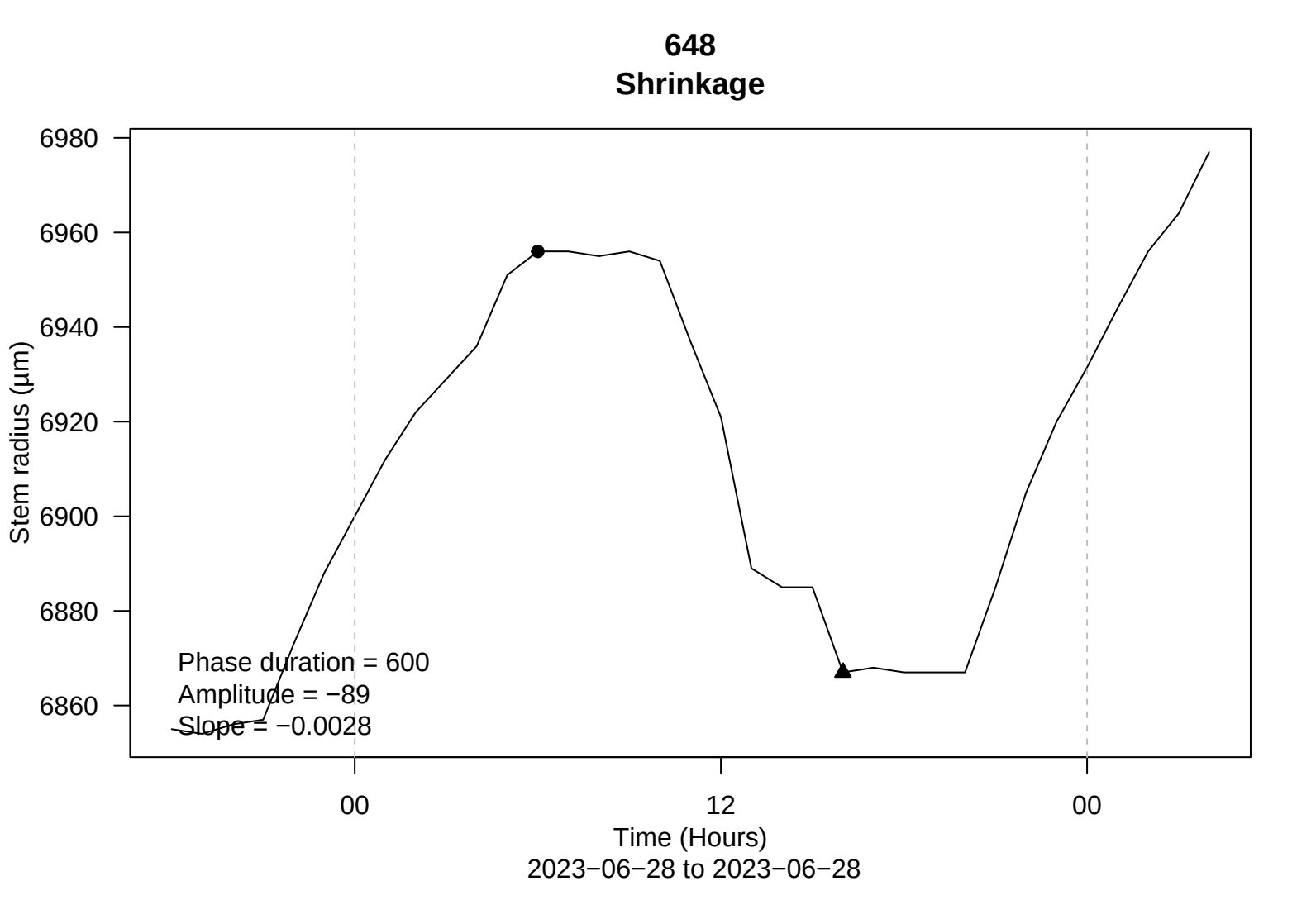

648
Expansion
6860
6840
6820
6800
Stem radius (µm)
Phase duration = 960
Amplitude = 80
Slope = 0.0016
12
00
12
Time (Hours)
2023−06−25 to 2023−06−26

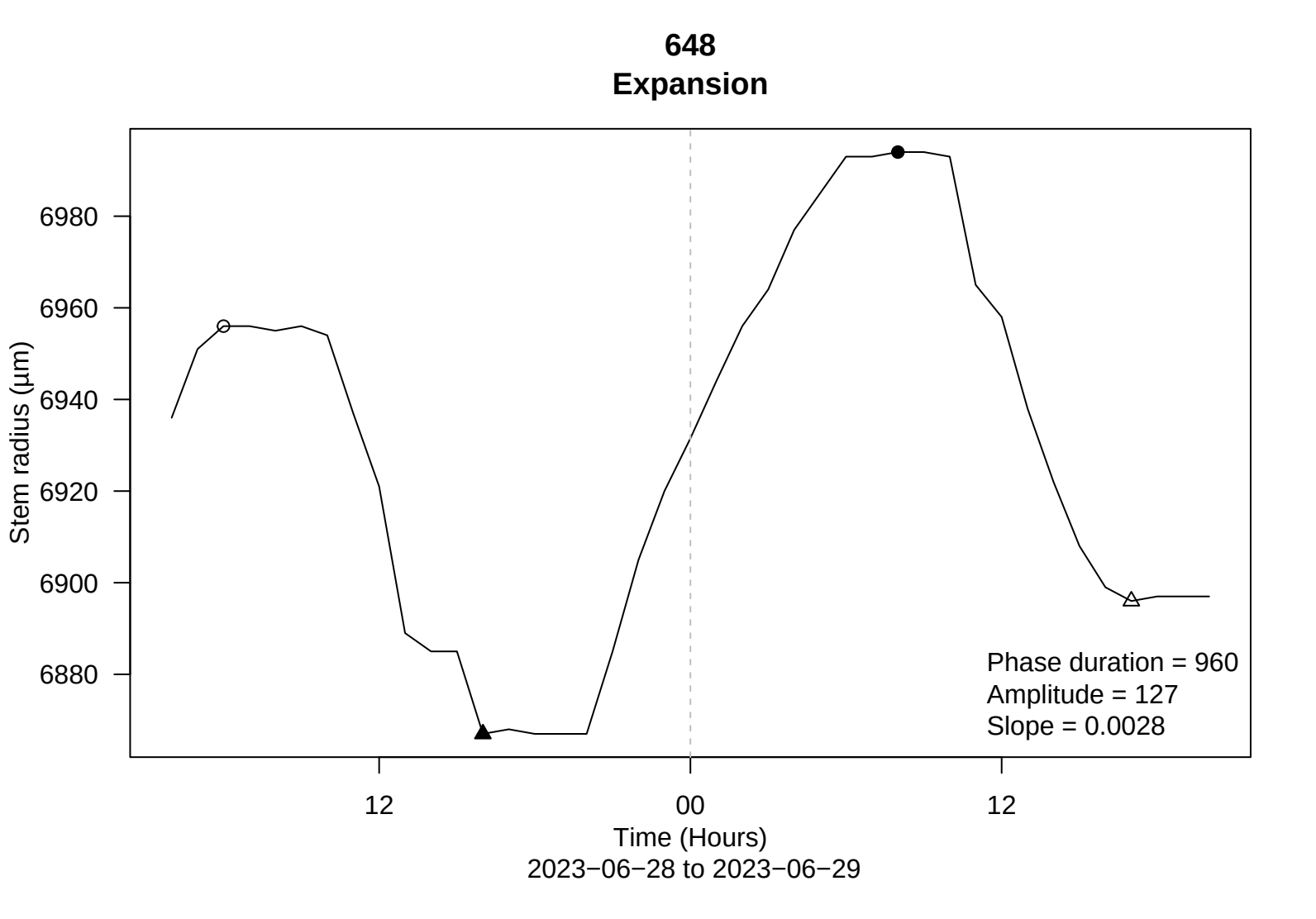

648
Shrinkage
6900
6880
6860
6840
6820
6800
Stem radius (µm)
Phase duration = 540
Amplitude = −59
Slope = −0.002
00
12
00
Time (Hours)
2023−06−26 to 2023−06−26

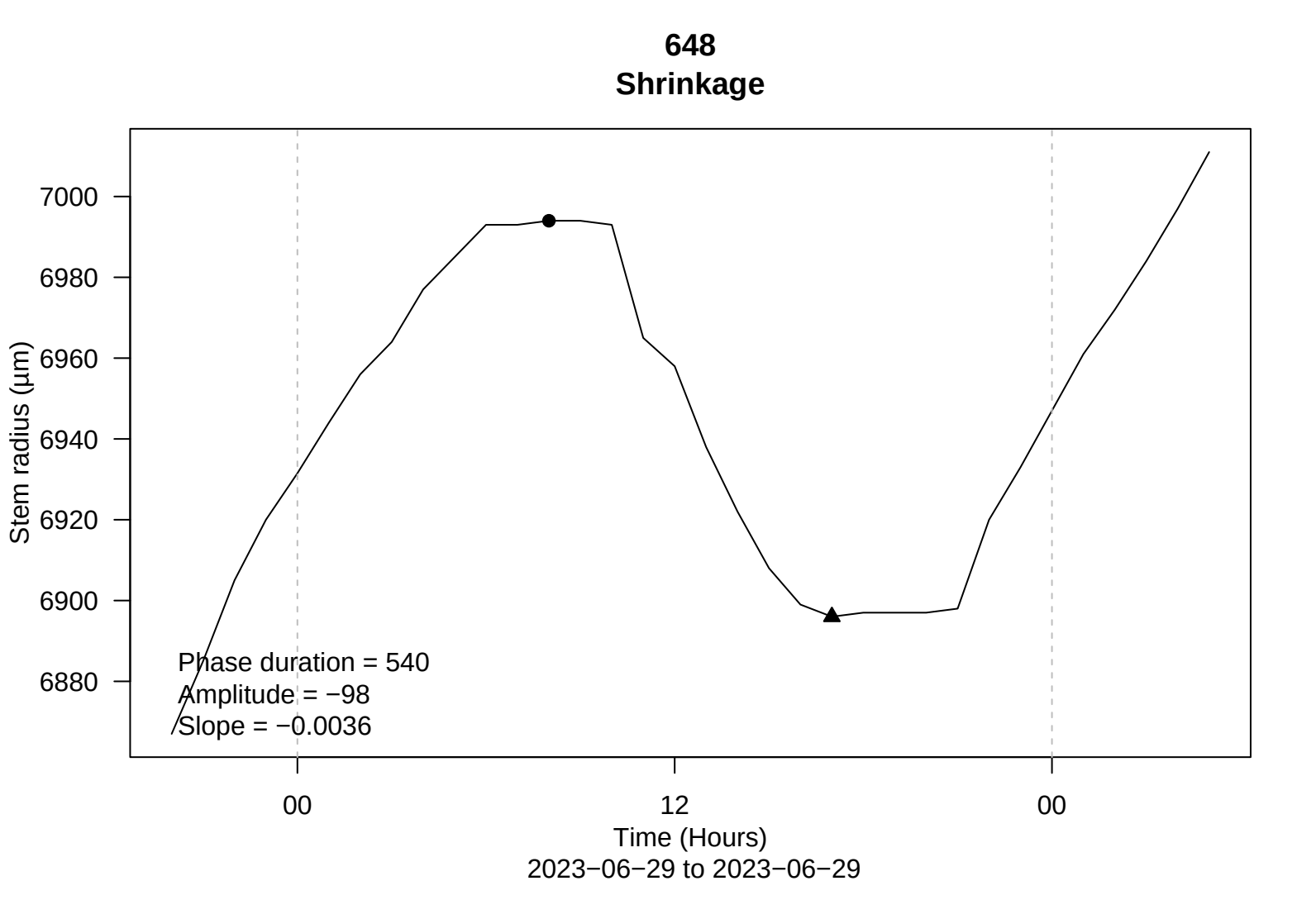

648
Expansion
6920
6900
6880
6860
6840
6820
Stem radius (µm)
12
00
12
Time (Hours)
2023−06−26 to 2023−06−27
Phase duration = 840
Amplitude = 109
Slope = 0.0025

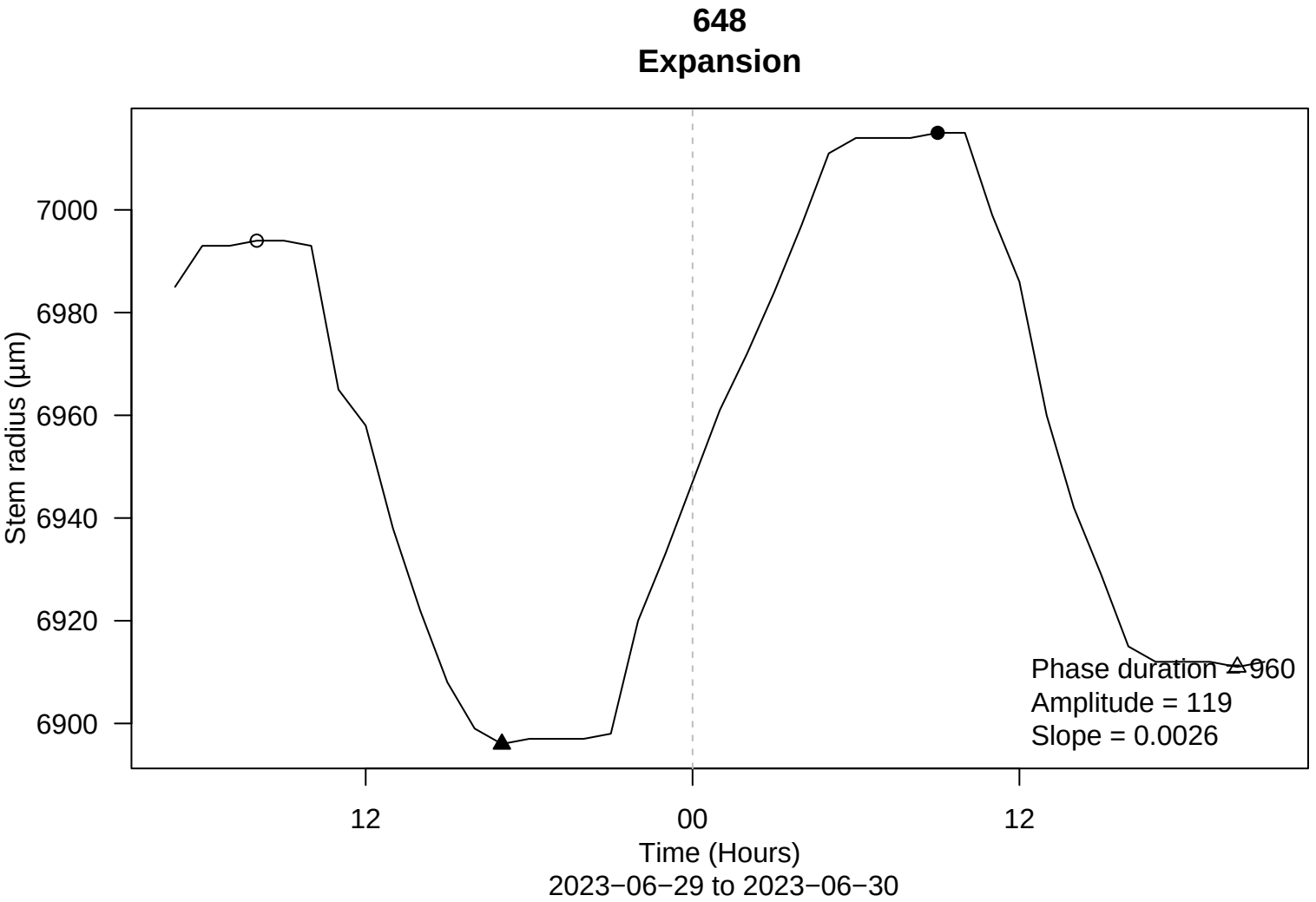

648
Shrinkage
6920
6900
6880
6860
6840
6820
Stem radius (µm)
Phase duration = 480
Amplitude = −64
Slope = −0.0024
00
12
00
Time (Hours)
2023−06−27 to 2023−06−27

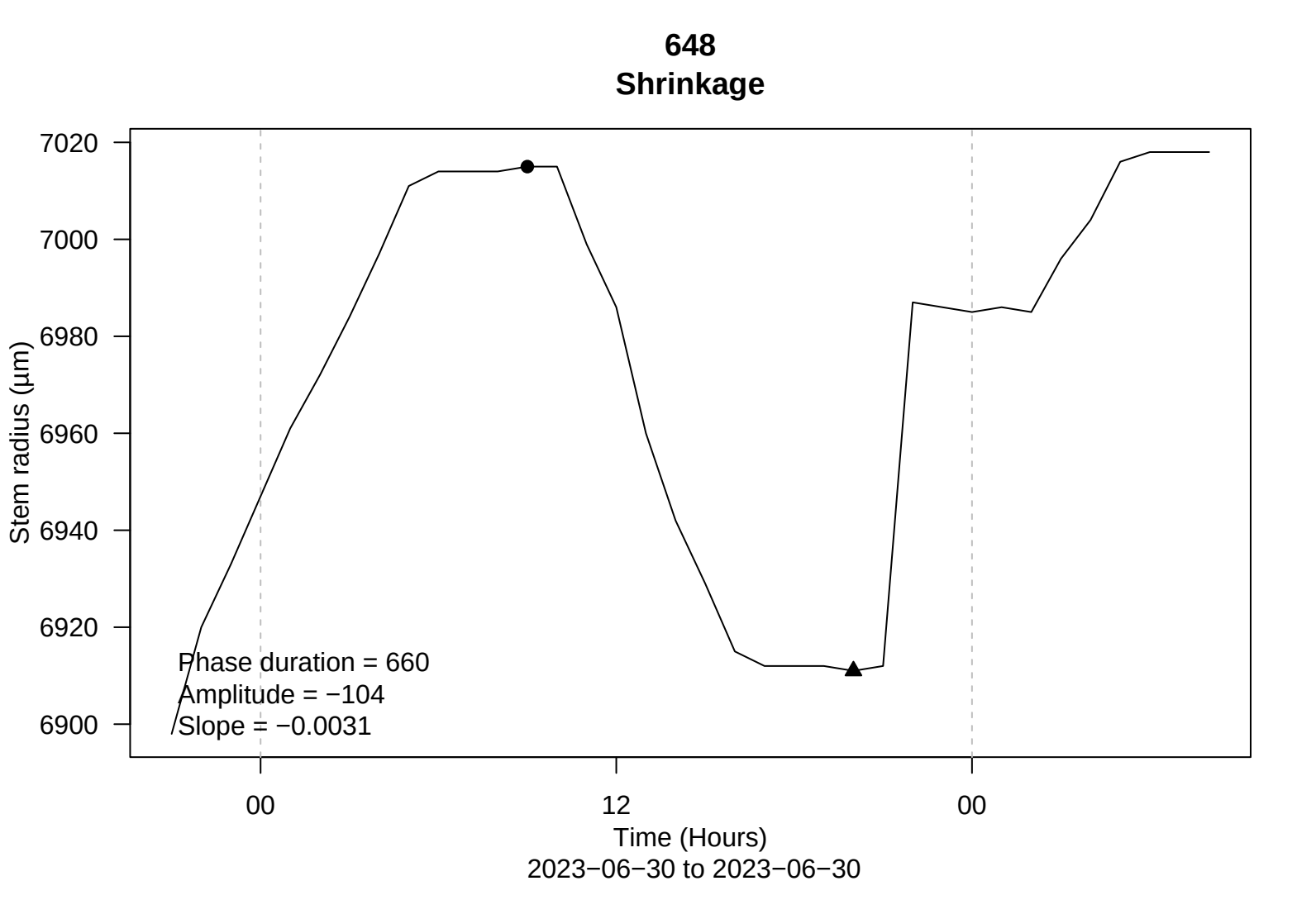

648
Expansion
6960
6940
6920
6900
6880
6860
Stem radius (µm)
12
00
12
Time (Hours)
2023−06−27 to 2023−06−28
Phase duration = 960
Amplitude = 102
Slope = 0.002

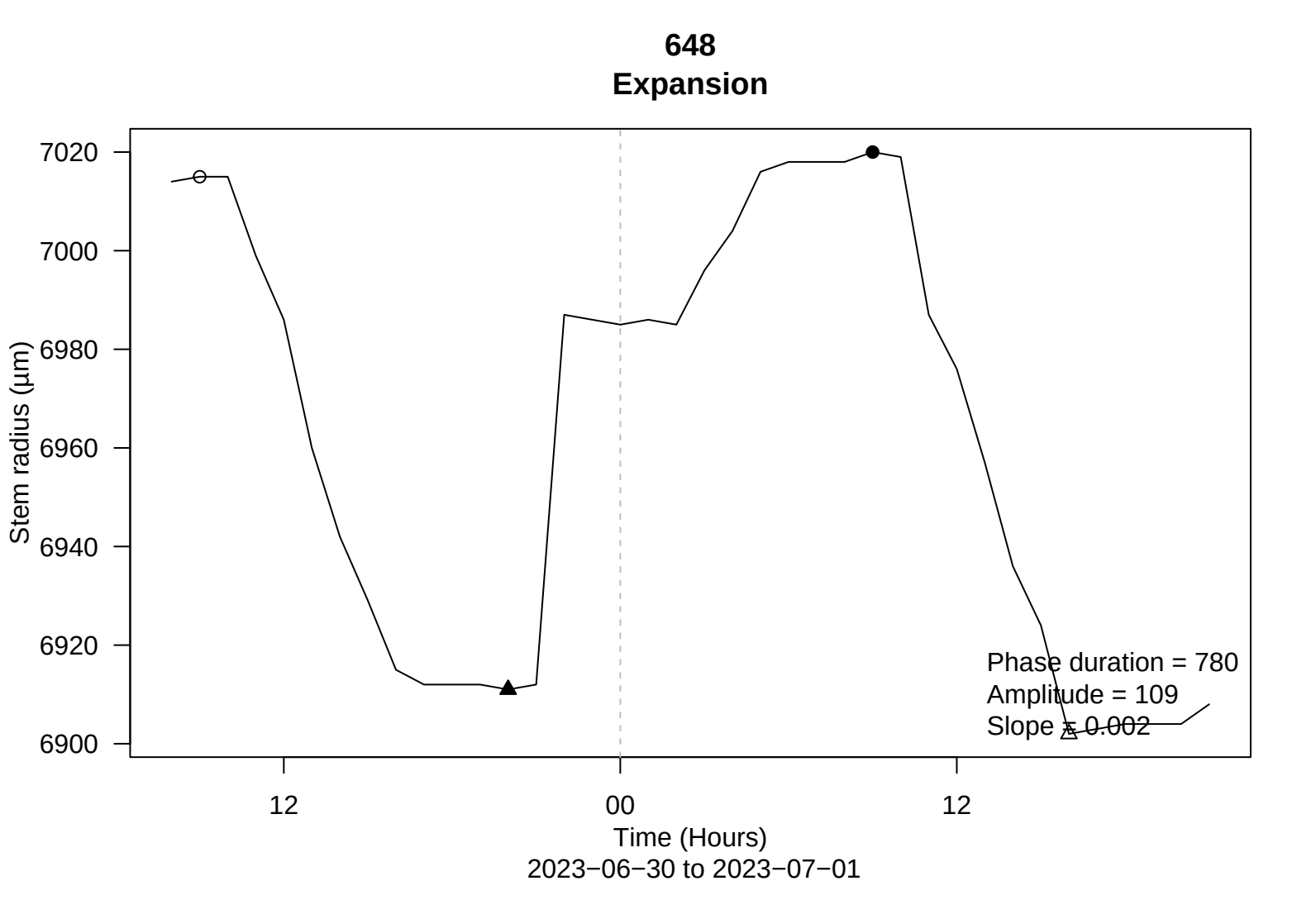

648
Shrinkage
6980
6960
6940
6920
6900
6880
6860
Stem radius (µm)
Phase duration = 600
Amplitude = −89
Slope = −0.0028
00
12
00
Time (Hours)
2023−06−28 to 2023−06−28

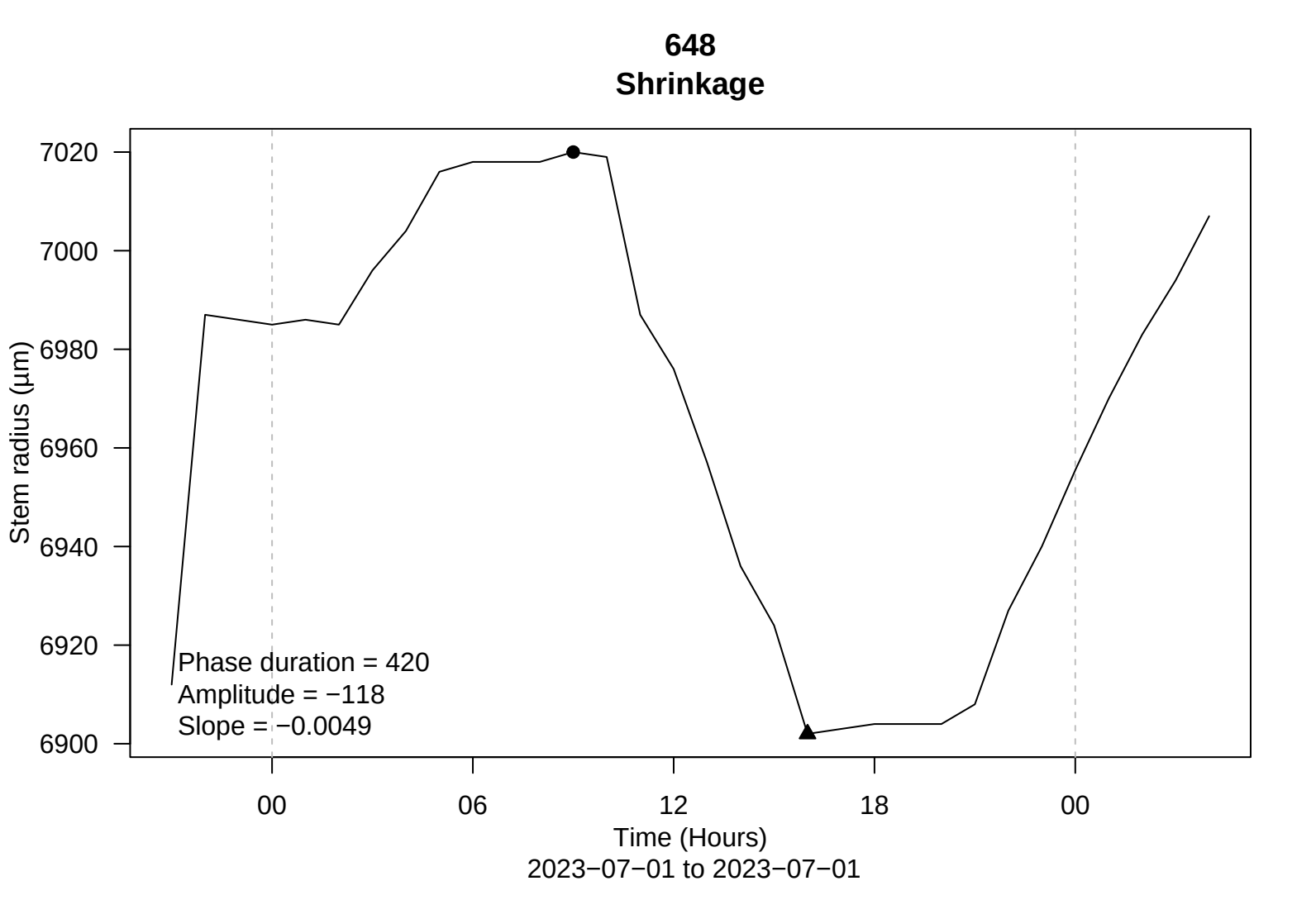

648
Expansion
6980
6960
6940
6920
6900
6880
Stem radius (µm)
12
00
12
Time (Hours)
2023−06−28 to 2023−06−29
Phase duration = 960
Amplitude = 127
Slope = 0.0028

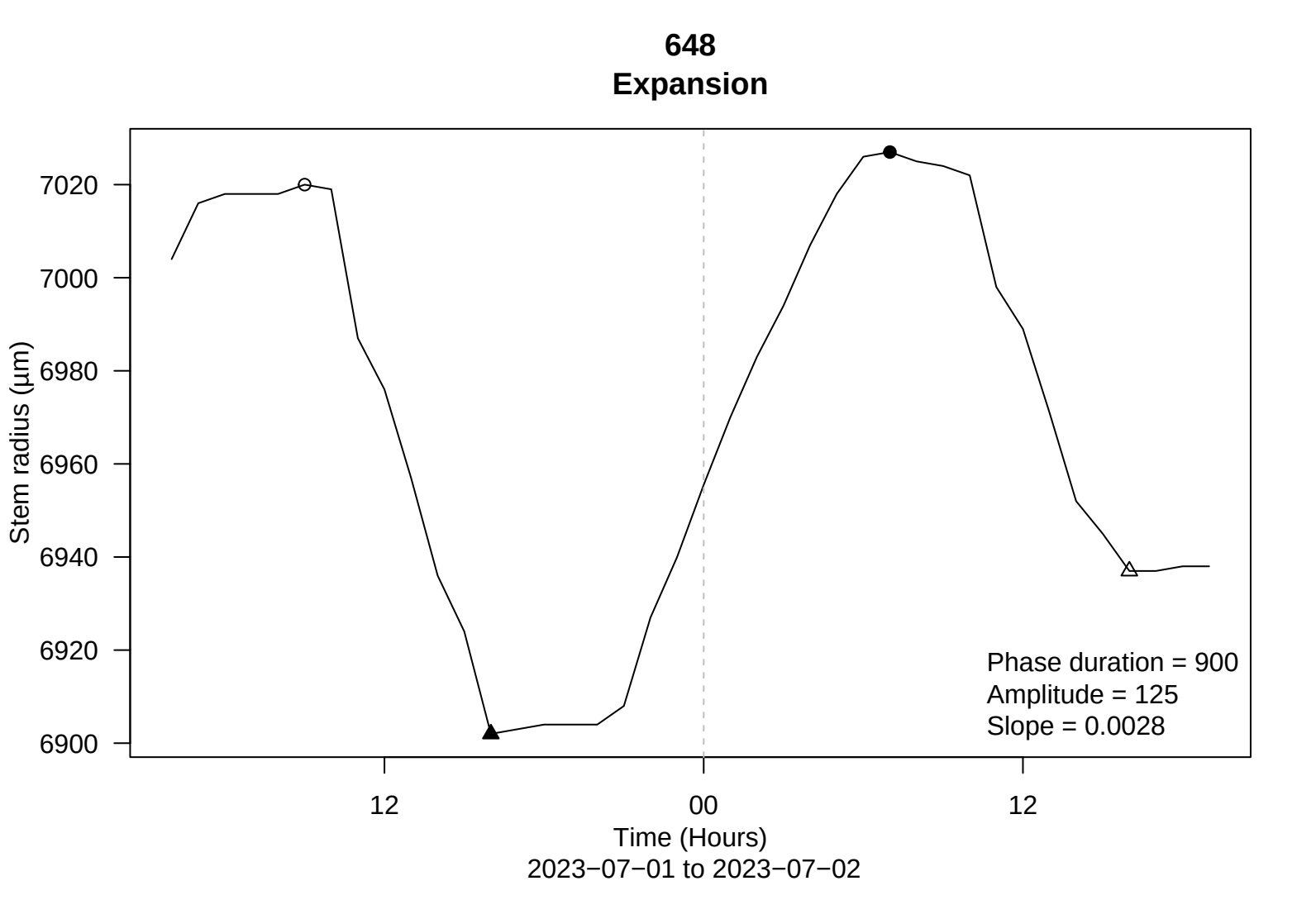

648
Shrinkage
7000
6980
6960
6940
6920
6900
6880
Stem radius (µm)
Phase duration = 540
Amplitude = −98
Slope = −0.0036
00
12
00
Time (Hours)
2023−06−29 to 2023−06−29

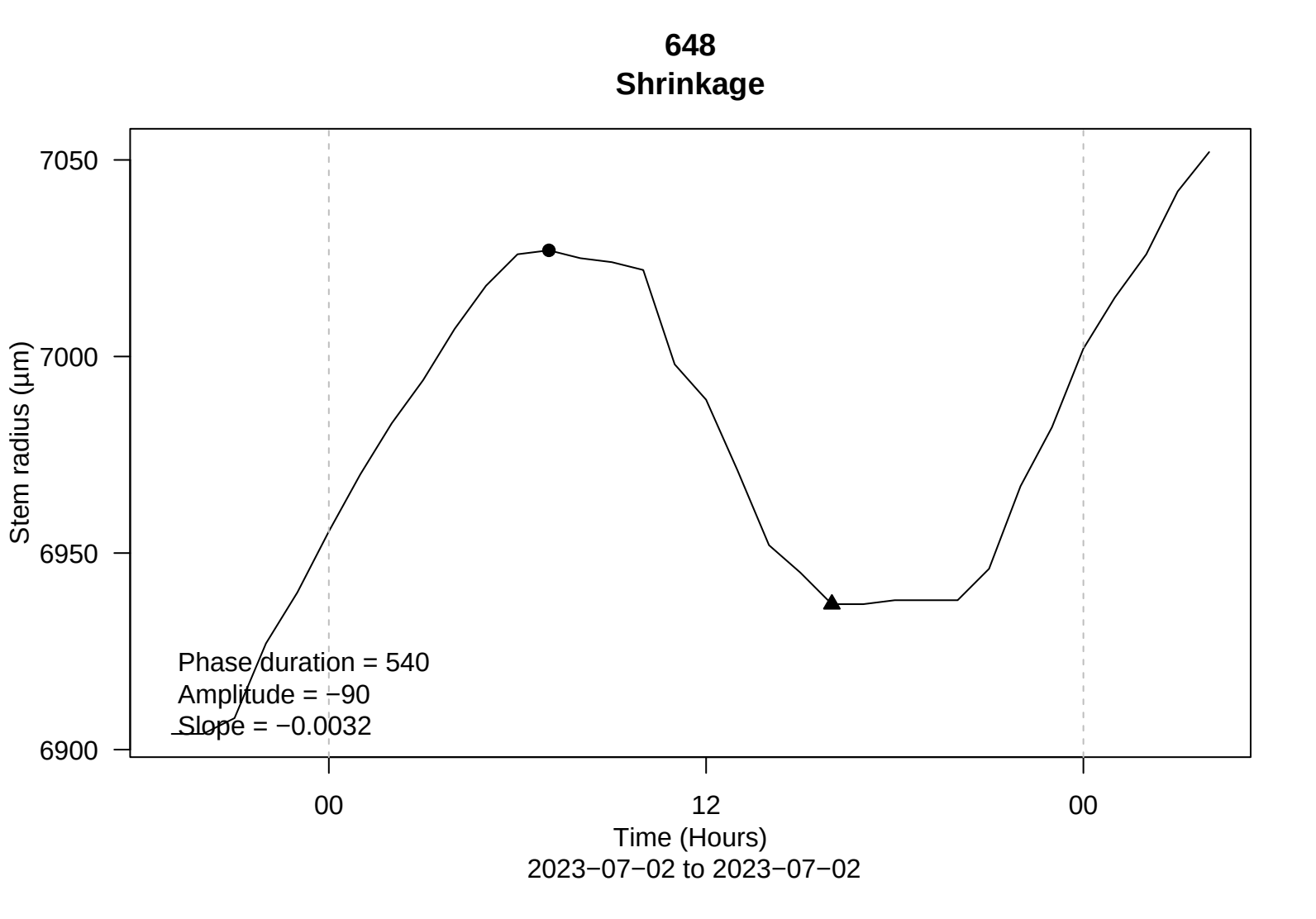

648
Expansion
7000
6980
6960
6940
6920
6900
Stem radius (µm)
12
00
12
Time (Hours)
2023−06−29 to 2023−06−30
Phase duration = 960
Amplitude = 119
Slope = 0.0026

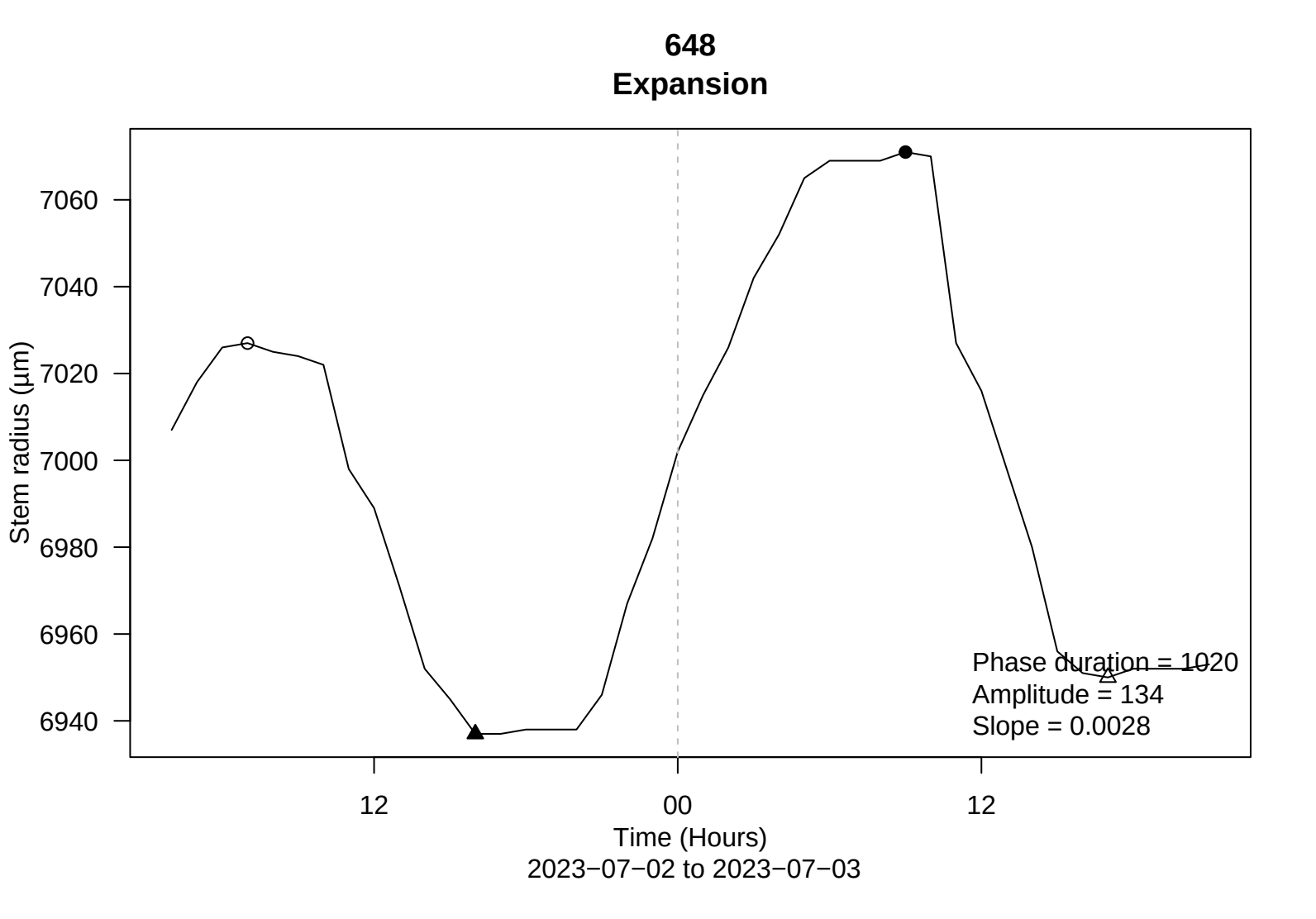

648
Shrinkage
7020
7000
6980
6960
6940
6920
6900
Stem radius (µm)
Phase duration = 660
Amplitude = −104
Slope = −0.0031
00
12
00
Time (Hours)
2023−06−30 to 2023−06−30

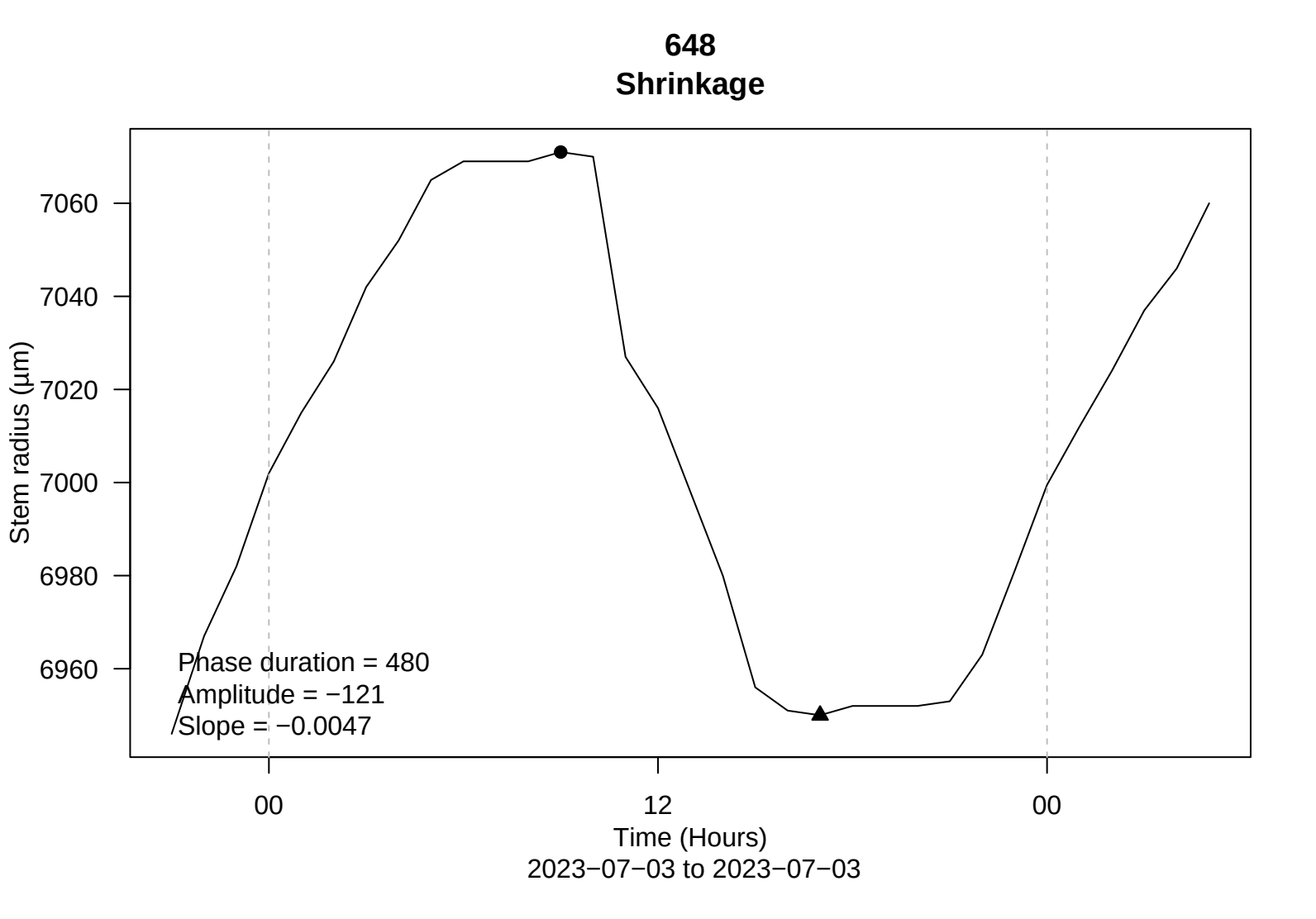

648
Expansion
7020
7000
6980
6960
6940
6920
6900
Stem radius (µm)
12
00
12
Time (Hours)
2023−06−30 to 2023−07−01
Phase duration = 780
Amplitude = 109
Slope = 0.002

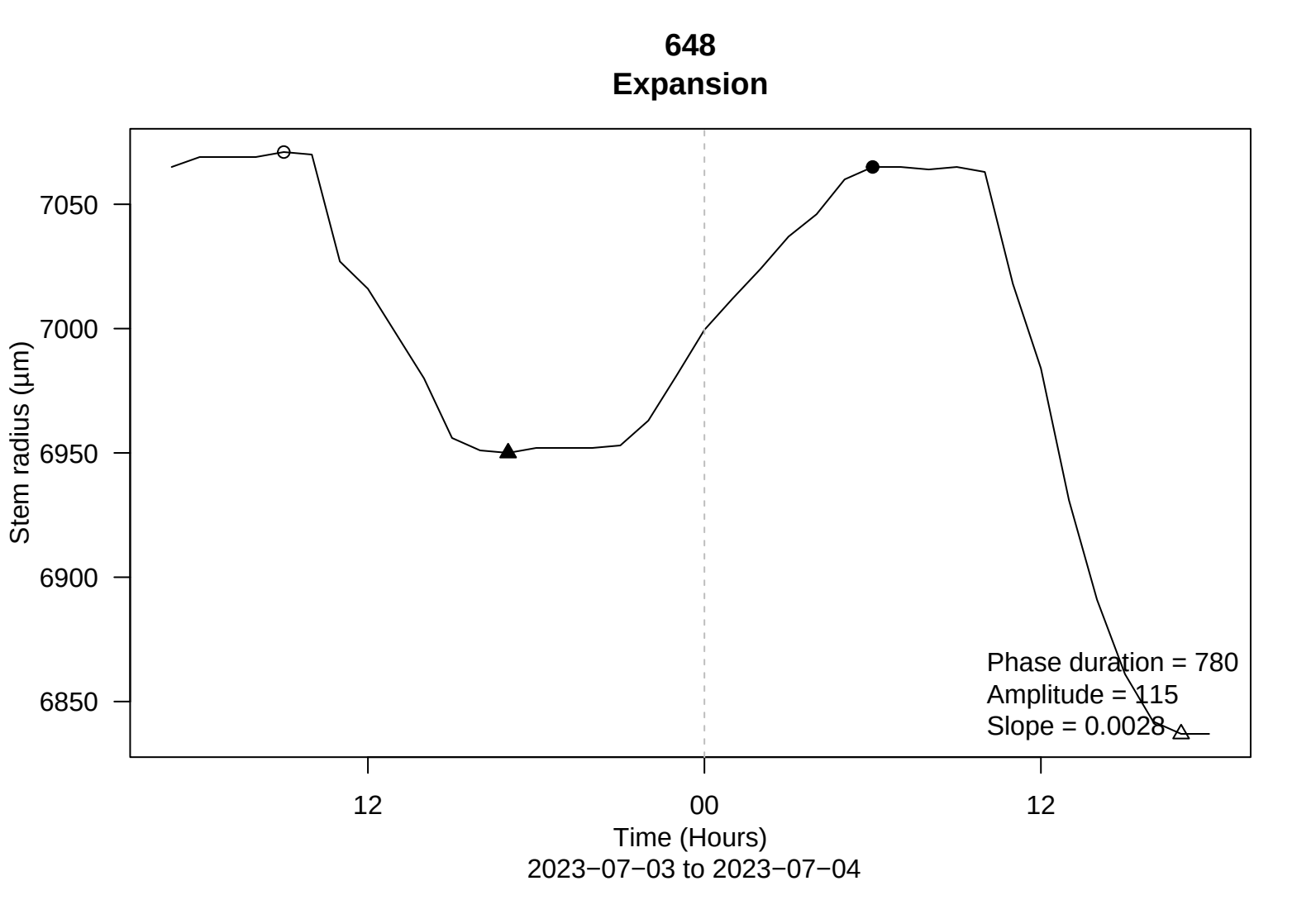

648
Shrinkage
7020
7000
6980
6960
6940
6920
6900
Stem radius (µm)
Phase duration = 420
Amplitude = −118
Slope = −0.0049
00
06
12
18
00
Time (Hours)
2023−07−01 to 2023−07−01

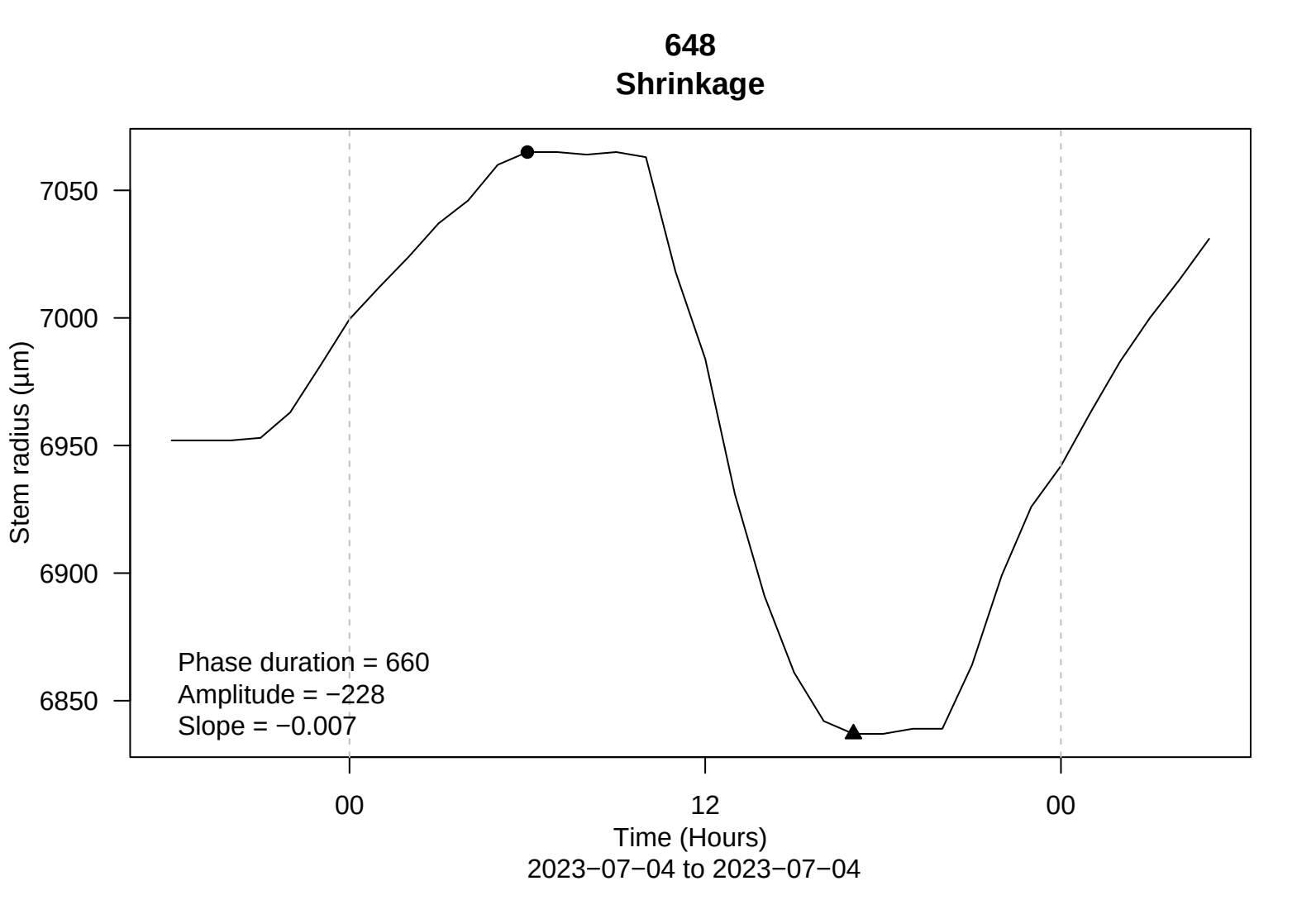

648
Expansion
7020
7000
6980
6960
6940
6920
6900
Stem radius (µm)
12
00
12
Time (Hours)
2023−07−01 to 2023−07−02
Phase duration = 900
Amplitude = 125
Slope = 0.0028

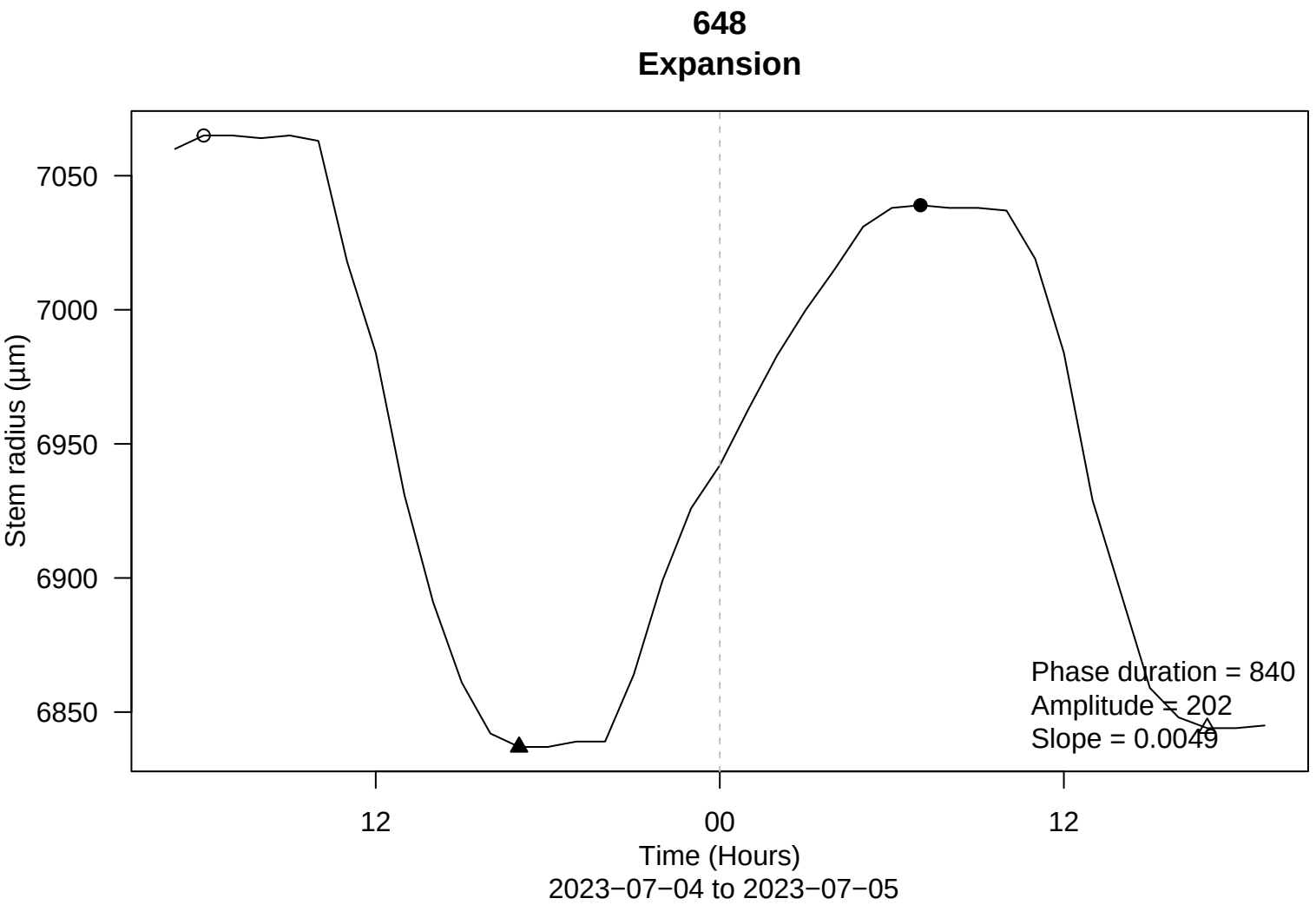

648
Shrinkage
7050
7000
6950
6900
Stem radius (µm)
Phase duration = 540
Amplitude = −90
Slope = −0.0032
00
12
00
Time (Hours)
2023−07−02 to 2023−07−02

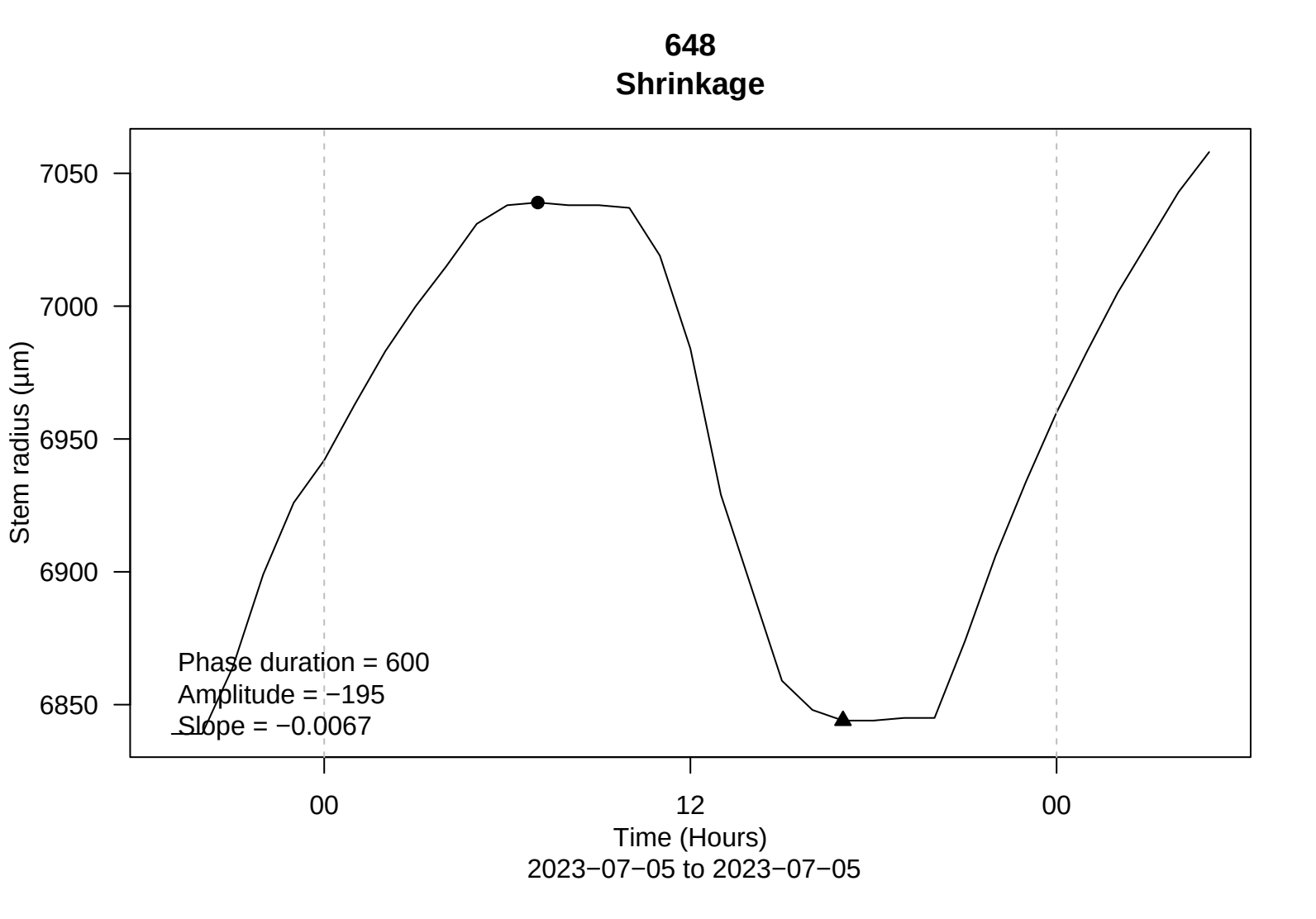

648
Expansion
7060
7040
7020
7000
6980
6960
6940
Stem radius (µm)
12
00
12
Time (Hours)
2023−07−02 to 2023−07−03
Phase duration = 1020
Amplitude = 134
Slope = 0.0028

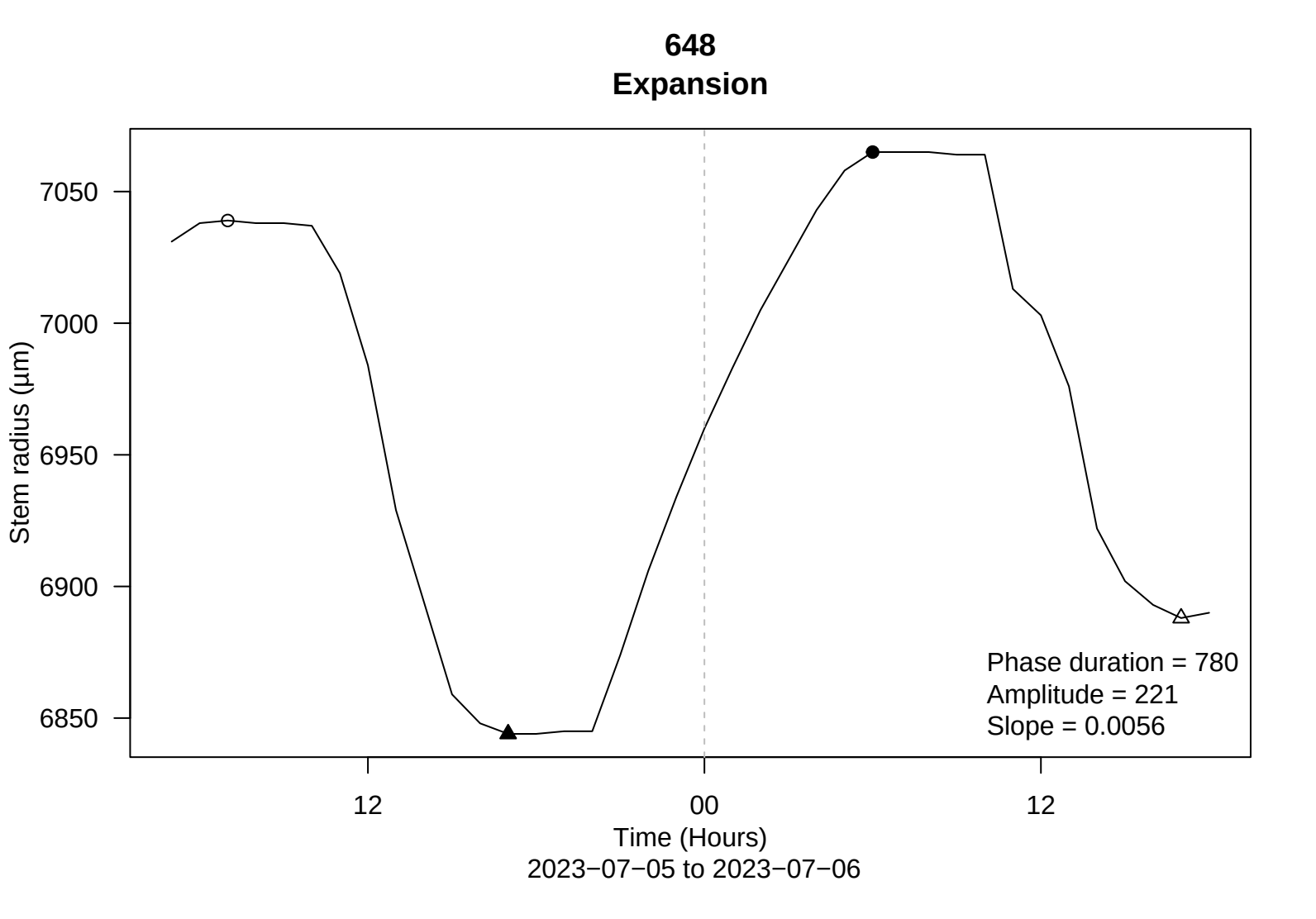

648
Shrinkage
7060
7040
7020
7000
6980
6960
Stem radius (µm)
Phase duration = 480
Amplitude = −121
Slope = −0.0047
00
12
00
Time (Hours)
2023−07−03 to 2023−07−03

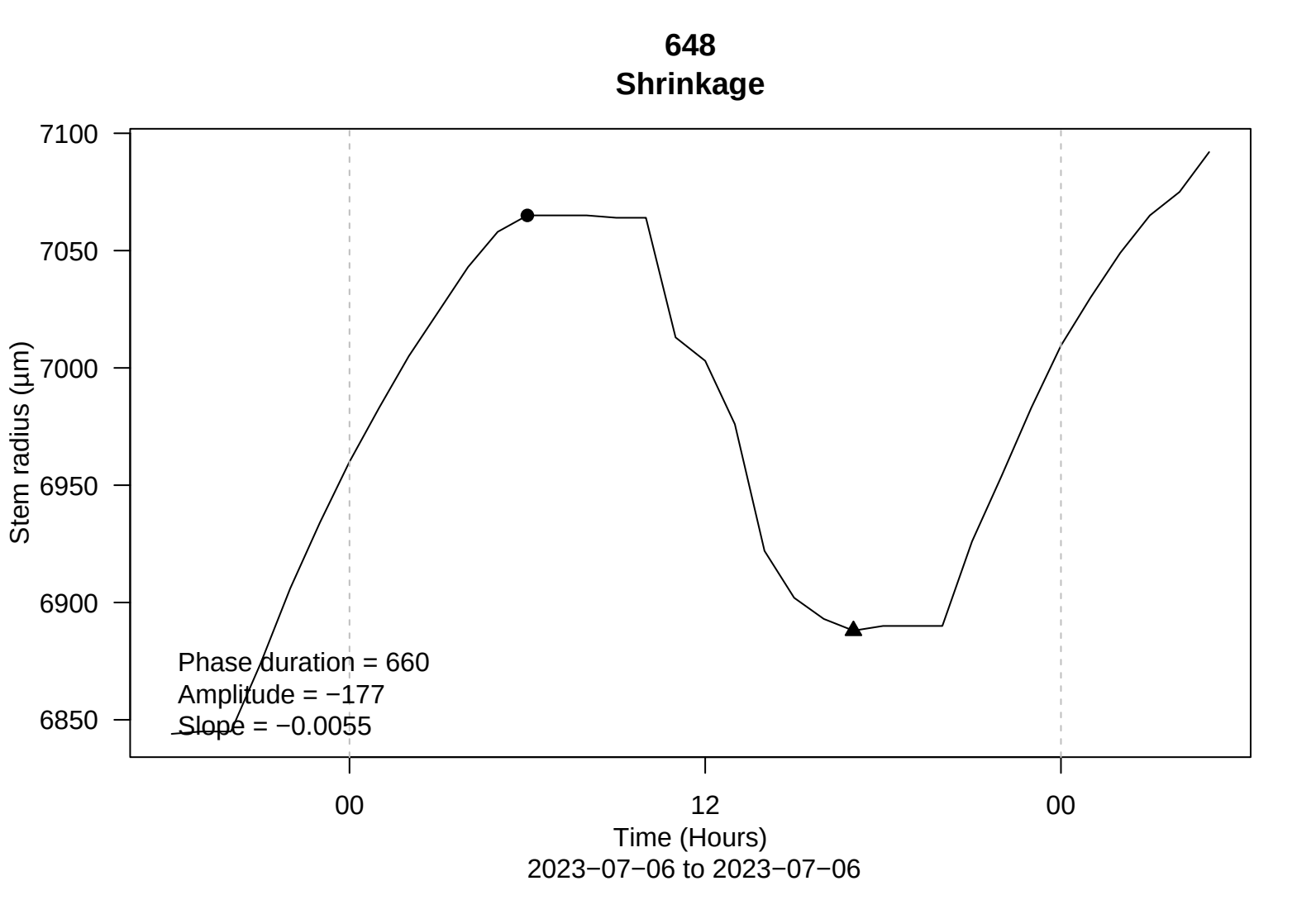

648
Expansion
7050
7000
6950
6900
6850
Stem radius (µm)
12
00
12
Time (Hours)
2023−07−03 to 2023−07−04
Phase duration = 780
Amplitude = 115
Slope = 0.0028

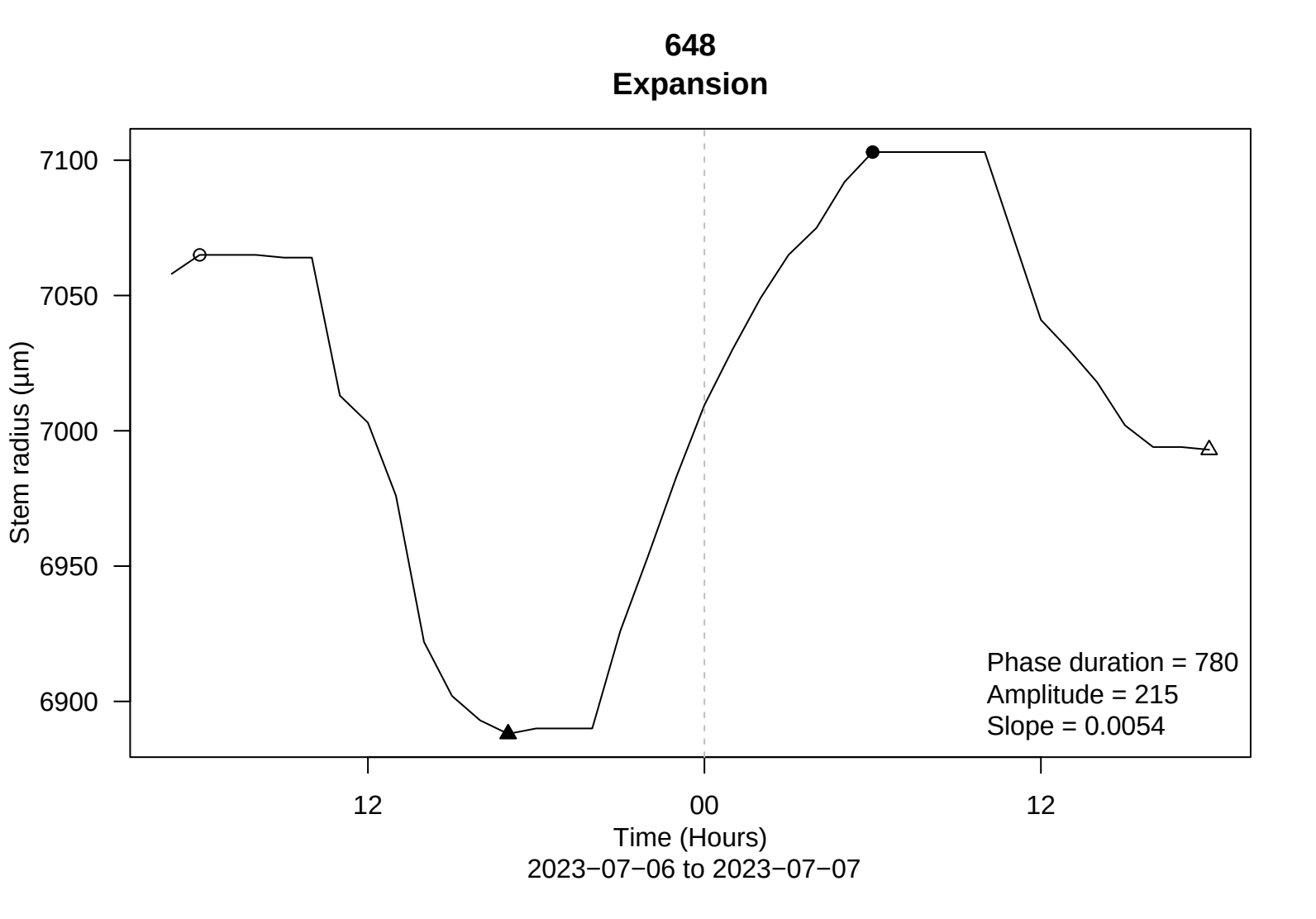

648
Shrinkage
7050
7000
6950
6900
6850
Stem radius (µm)
Phase duration = 660
Amplitude = −228
Slope = −0.007
00
12
00
Time (Hours)
2023−07−04 to 2023−07−04

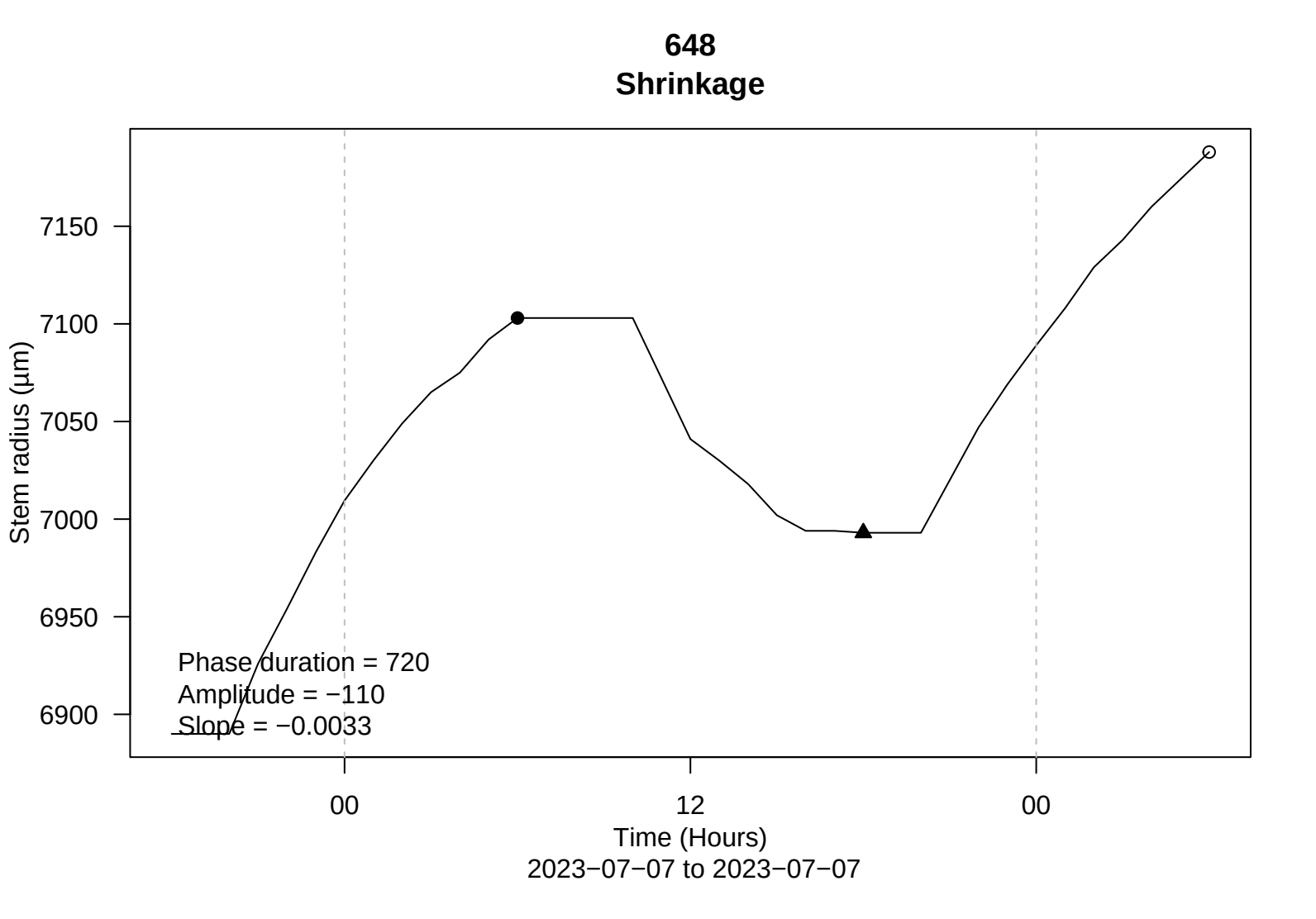

648
Expansion
7050
7000
6950
6900
6850
Stem radius (µm)
12
00
12
Time (Hours)
2023−07−04 to 2023−07−05
Phase duration = 840
Amplitude = 202
Slope = 0.0049

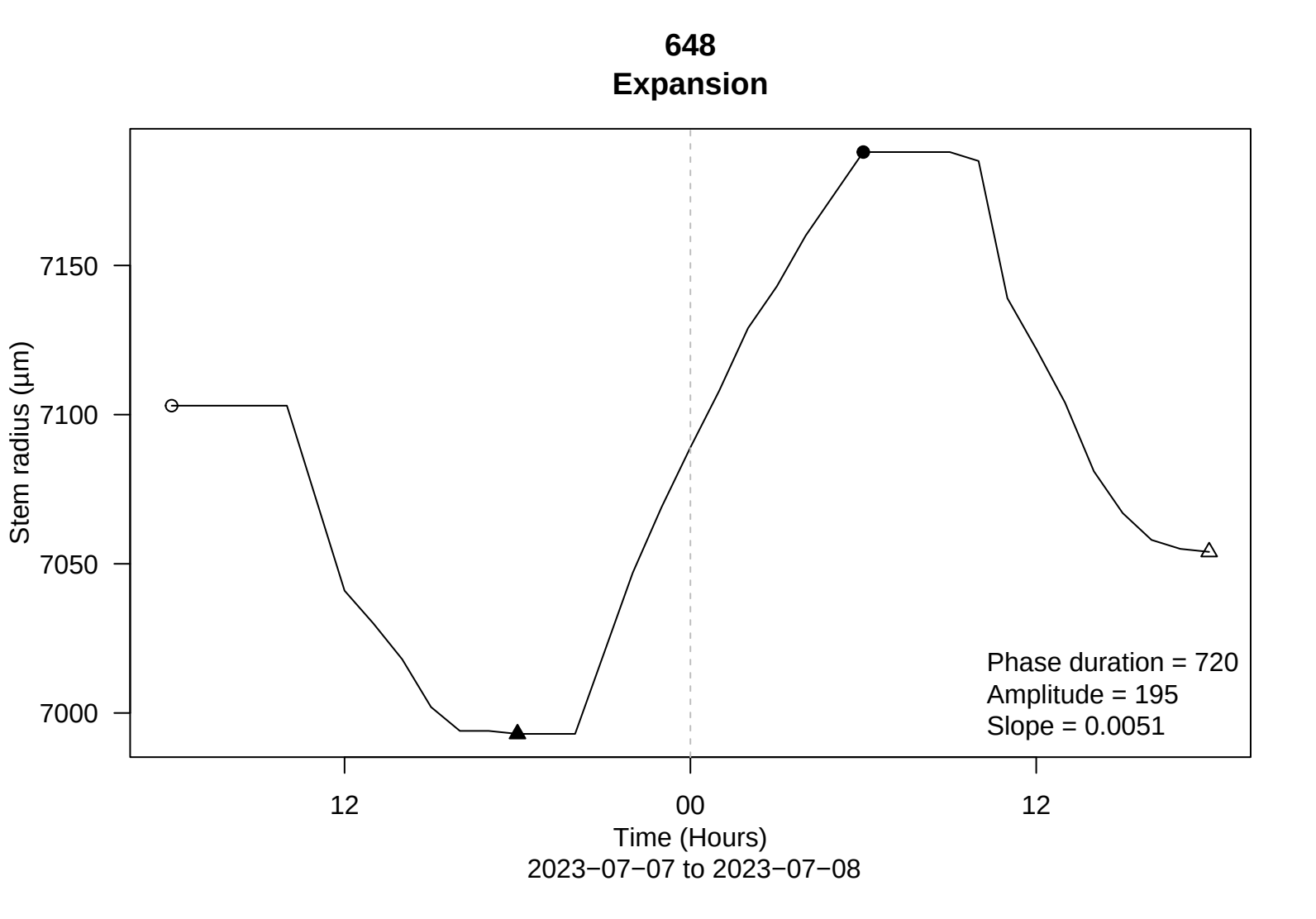

648
Shrinkage
7050
7000
6950
6900
6850
Stem radius (µm)
Phase duration = 600
Amplitude = −195
Slope = −0.0067
00
12
00
Time (Hours)
2023−07−05 to 2023−07−05

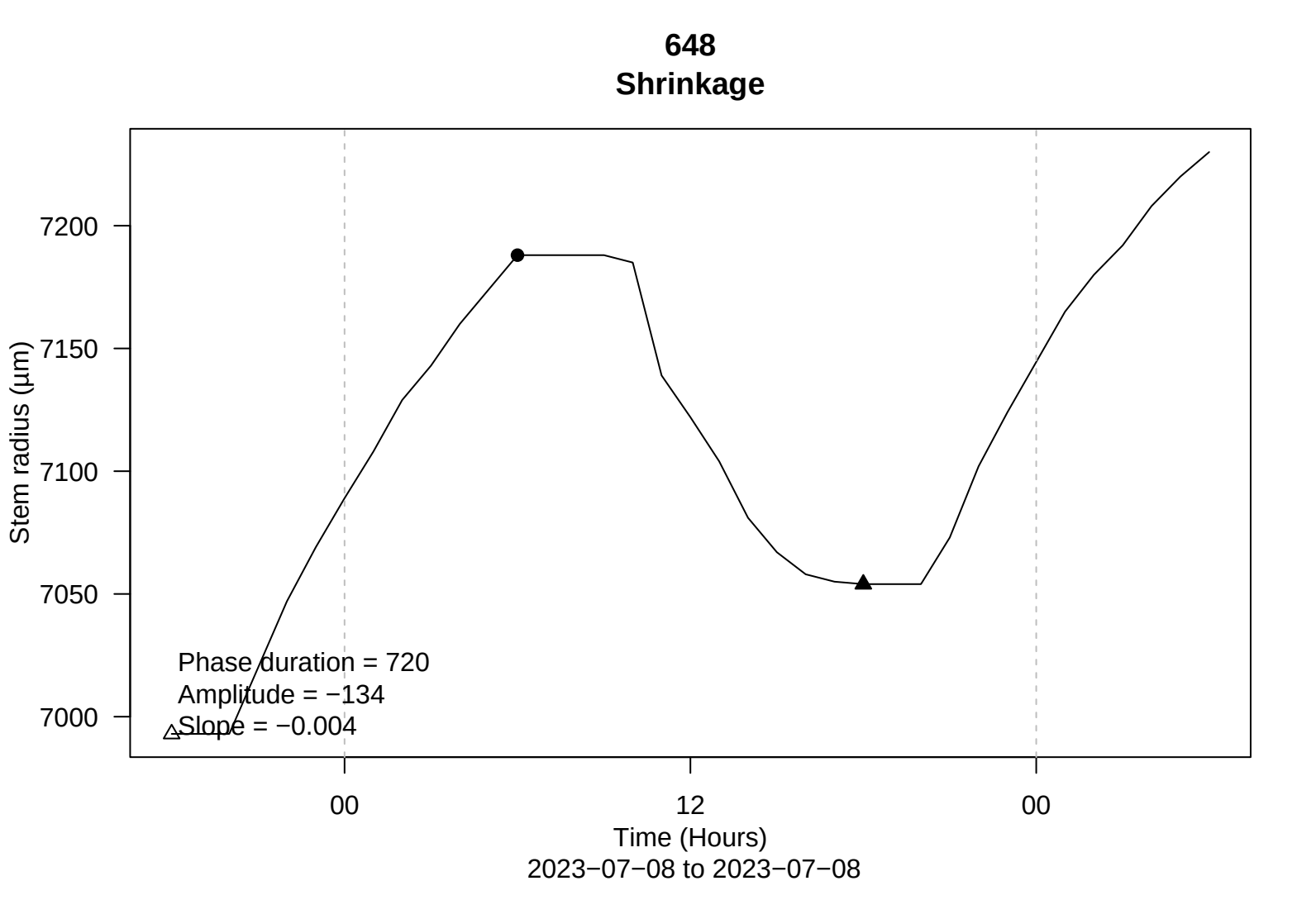

648
Expansion
7050
7000
6950
6900
6850
Stem radius (µm)
12
00
12
Time (Hours)
2023−07−05 to 2023−07−06
Phase duration = 780
Amplitude = 221
Slope = 0.0056

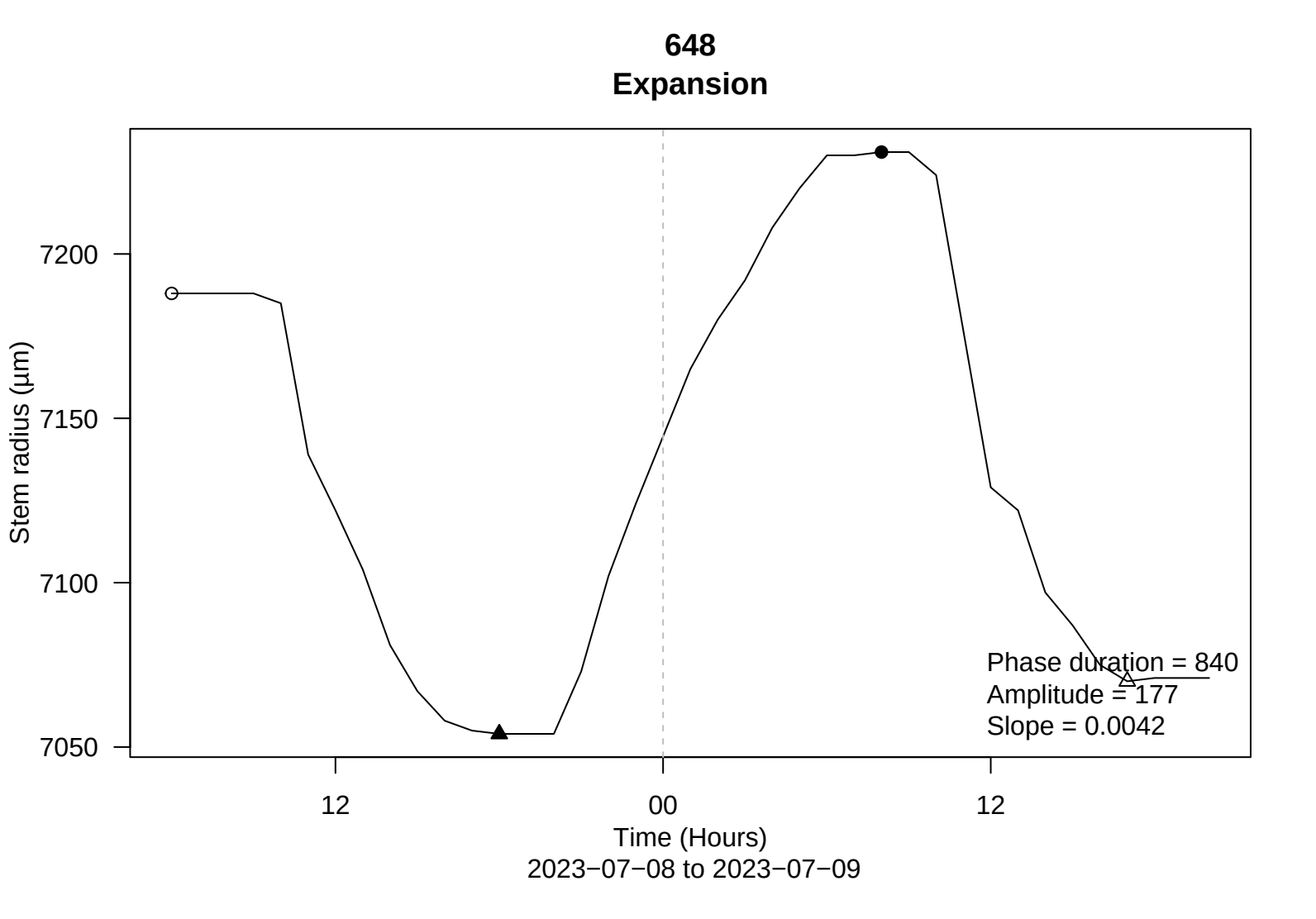

648
Shrinkage
7100
7050
7000
6950
6900
6850
Stem radius (µm)
Phase duration = 660
Amplitude = −177
Slope = −0.0055
00
12
00
Time (Hours)
2023−07−06 to 2023−07−06

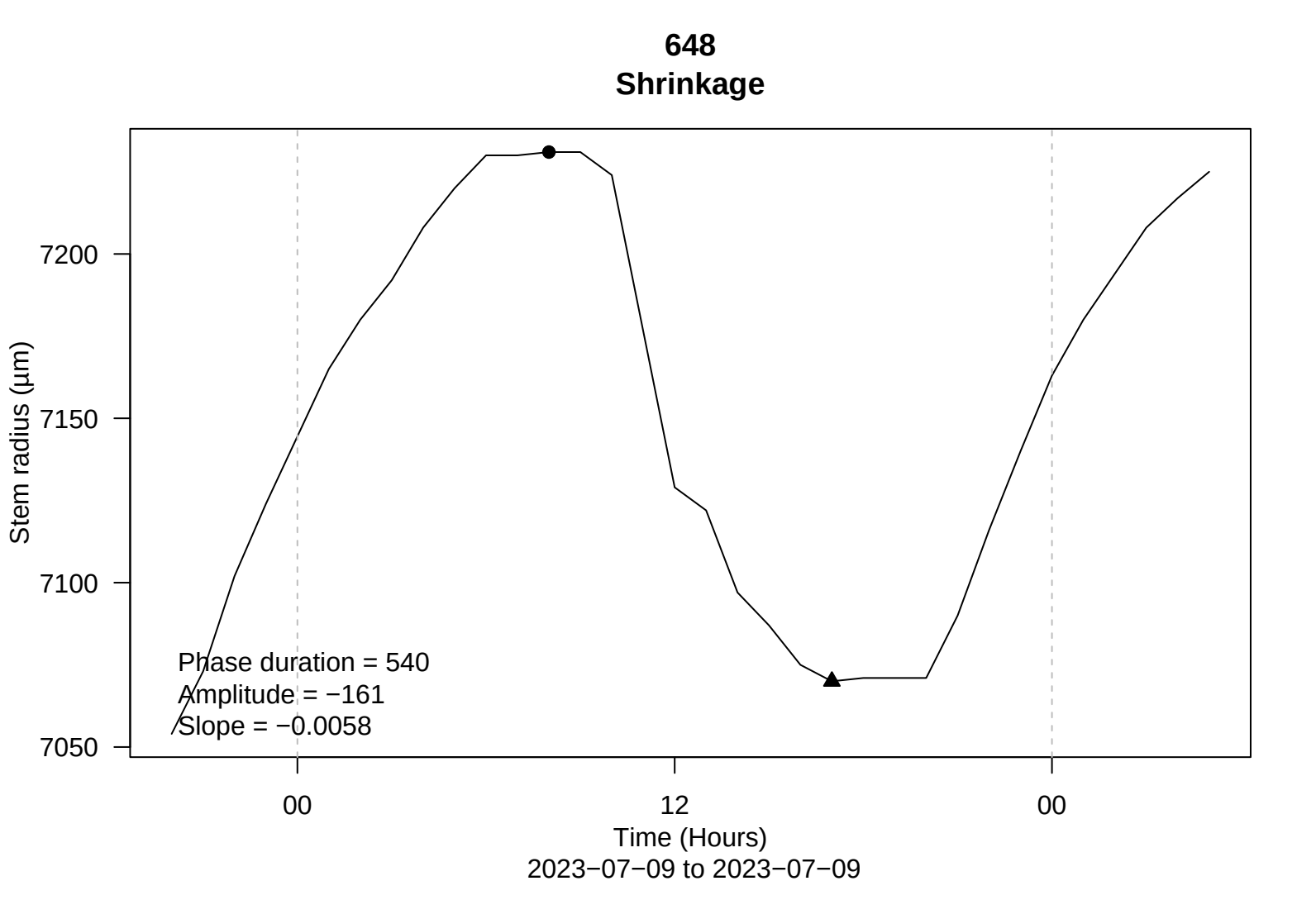

648
Expansion
7100
7050
7000
6950
6900
Stem radius (µm)
Phase duration = 780
Amplitude = 215
Slope = 0.0054
12
00
12
Time (Hours)
2023−07−06 to 2023−07−07

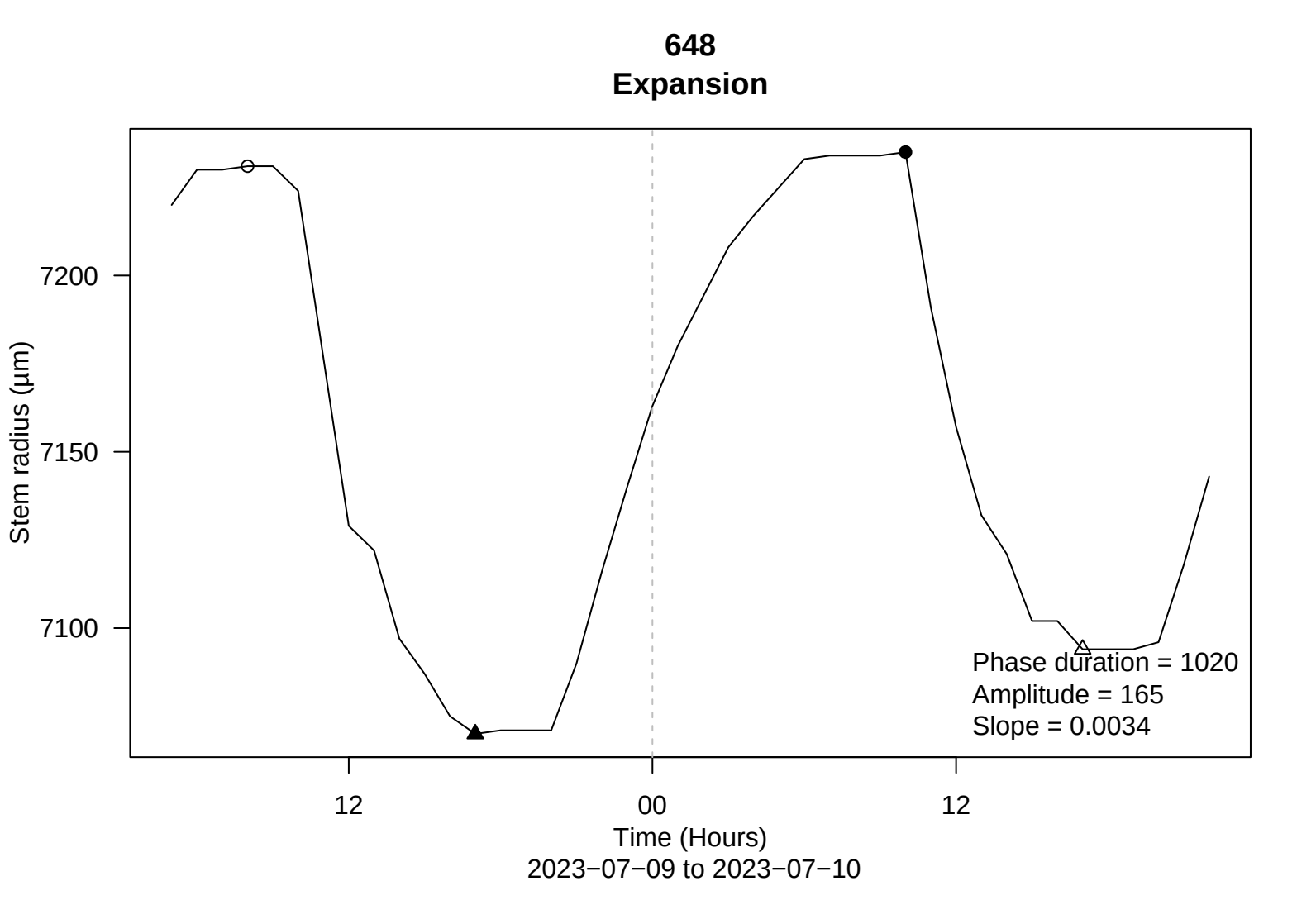

648
Shrinkage
7150
7100
7050
7000
6950
6900
Stem radius (µm)
Phase duration = 720
Amplitude = −110
Slope = −0.0033
00
12
00
Time (Hours)
2023−07−07 to 2023−07−07

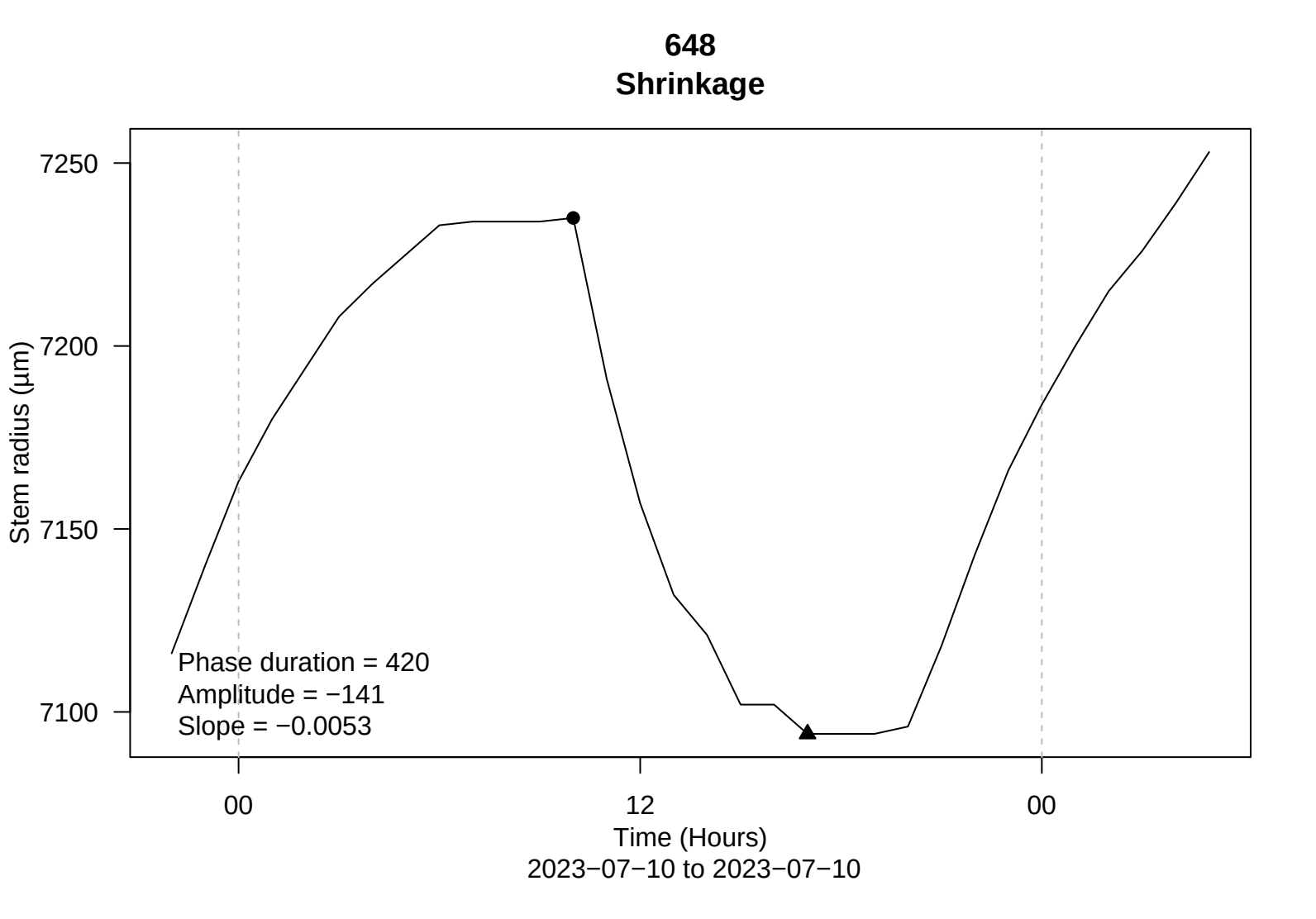

648
Expansion
7150
7100
7050
7000
Stem radius (µm)
12
00
12
Time (Hours)
2023−07−07 to 2023−07−08
Phase duration = 720
Amplitude = 195
Slope = 0.0051

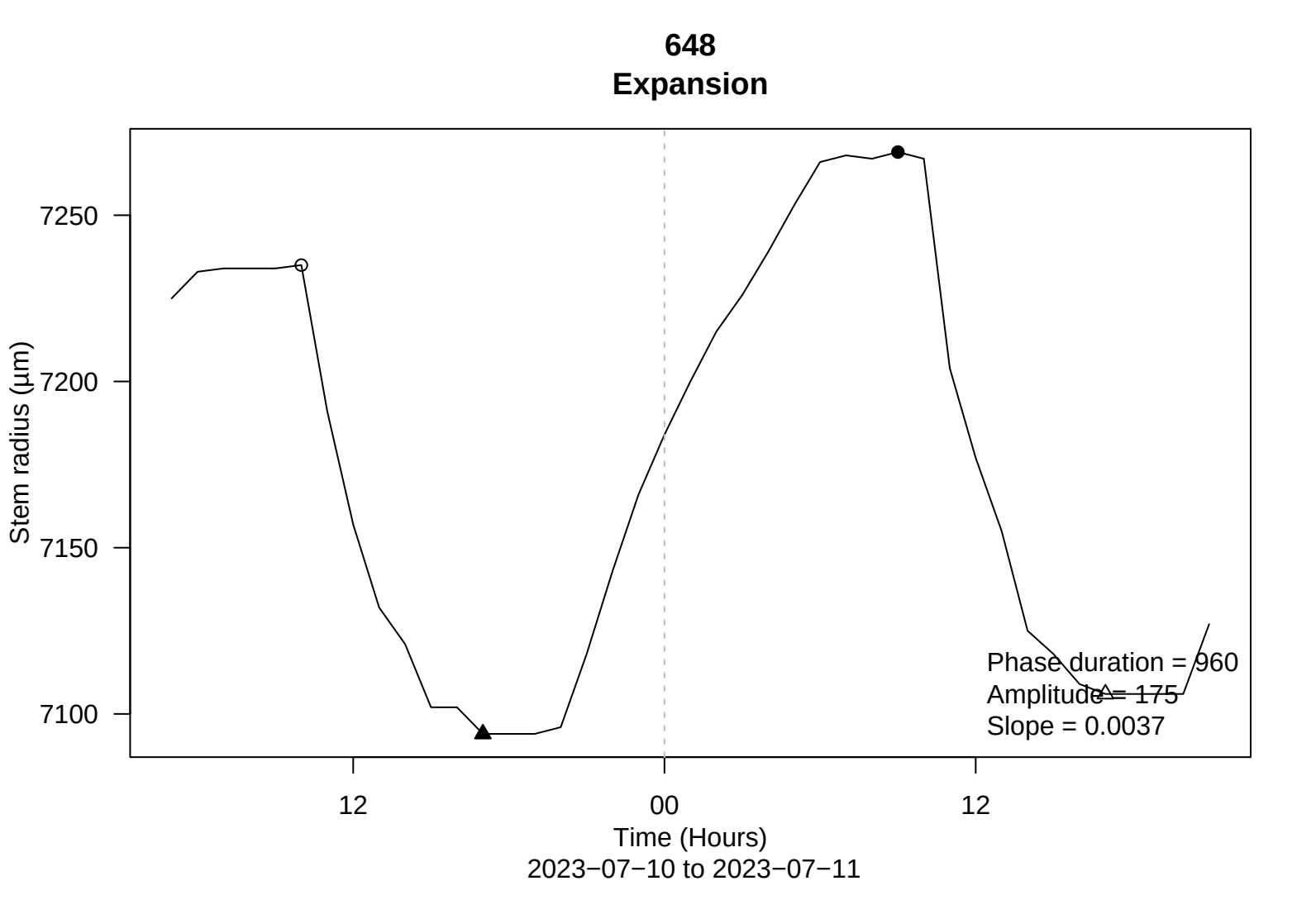

648
Shrinkage
7200
7150
7100
7050
7000
Stem radius (µm)
Phase duration = 720
Amplitude = −134
Slope = −0.004
00
12
00
Time (Hours)
2023−07−08 to 2023−07−08

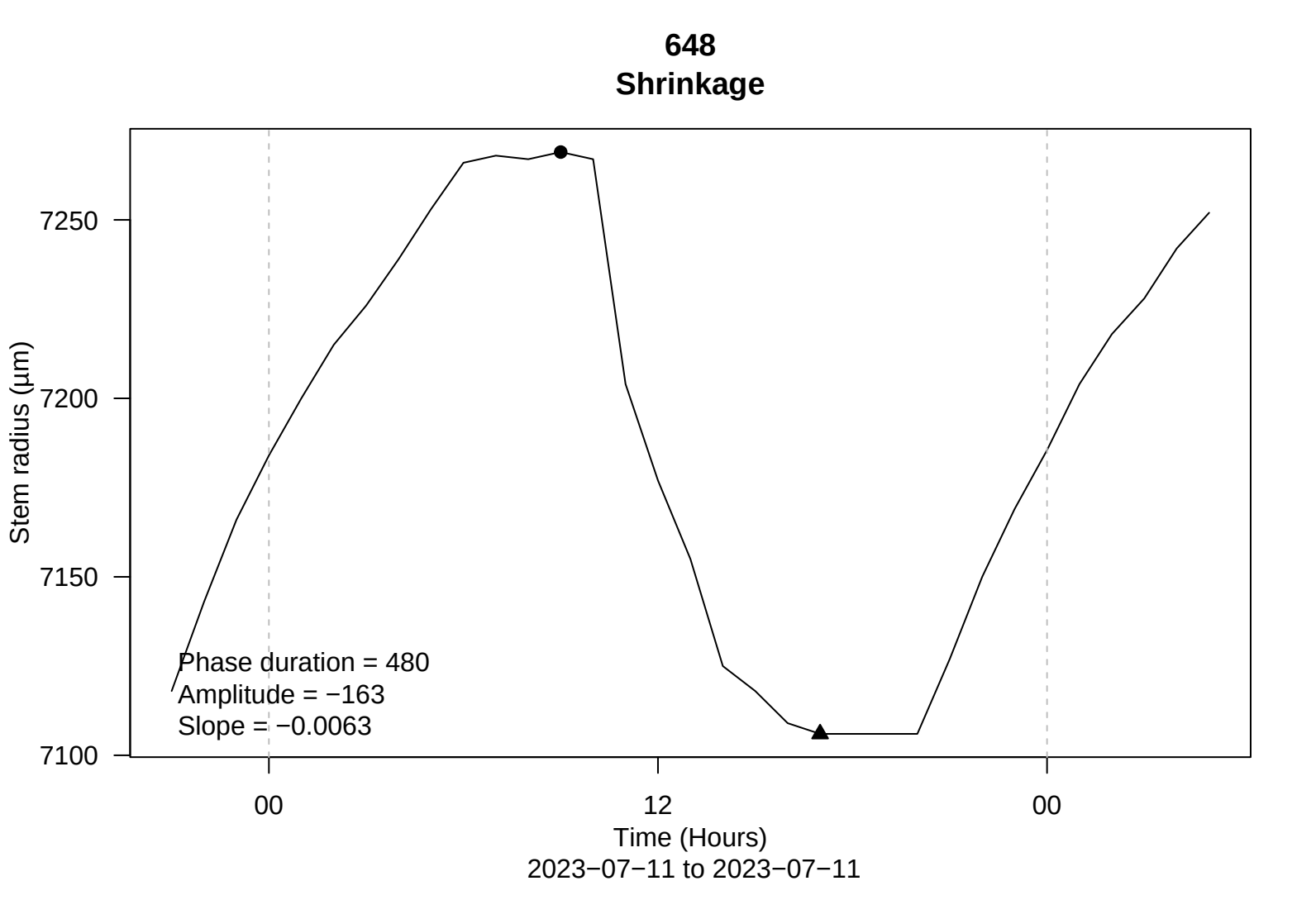

648
Expansion
7200
7150
7100
7050
Stem radius (µm)
12
00
12
Time (Hours)
2023−07−08 to 2023−07−09
Phase duration = 840
Amplitude = 177
Slope = 0.0042

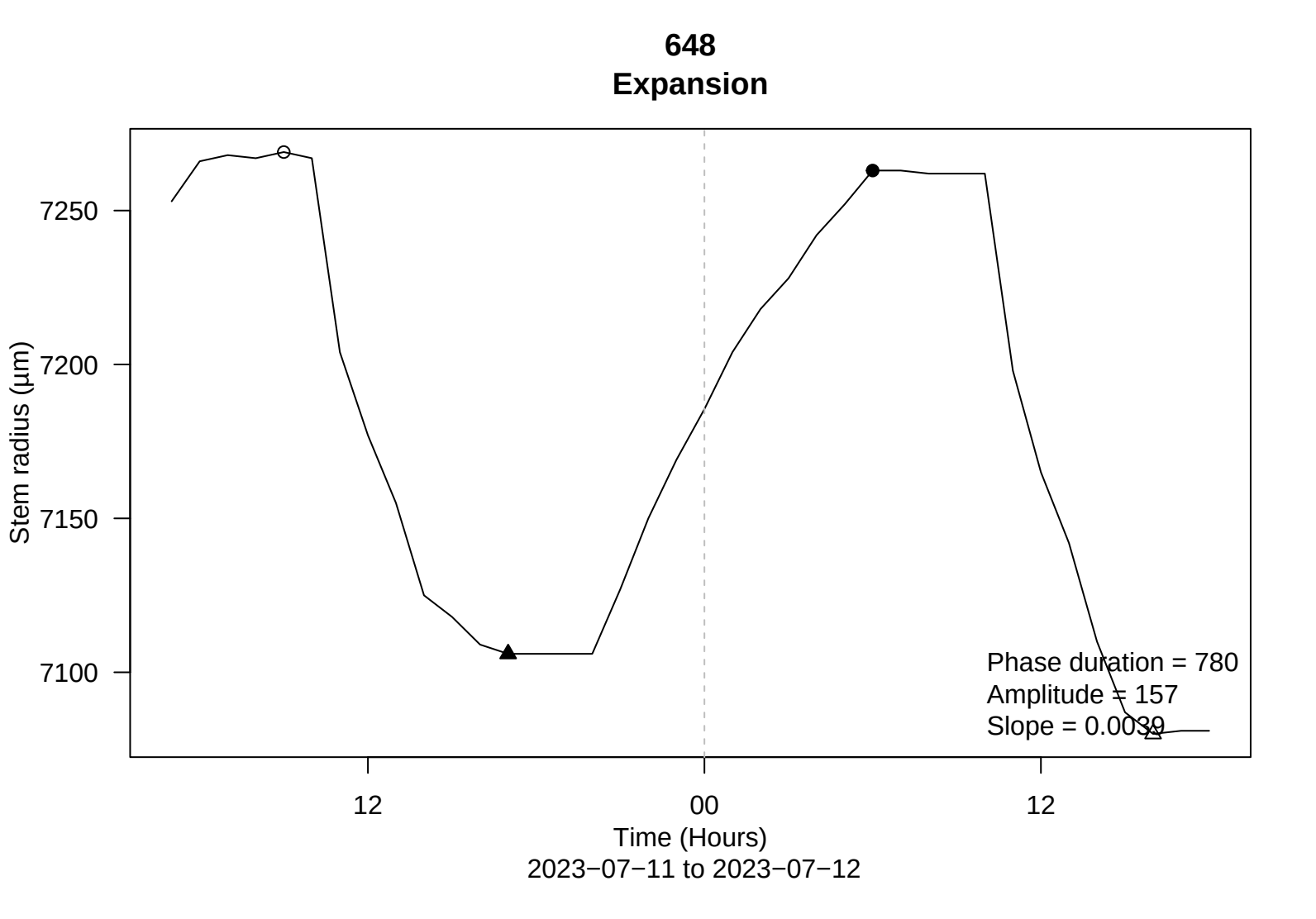

648
Shrinkage
7200
7150
7100
7050
Stem radius (µm)
Phase duration = 540
Amplitude = −161
Slope = −0.0058
00
12
00
Time (Hours)
2023−07−09 to 2023−07−09

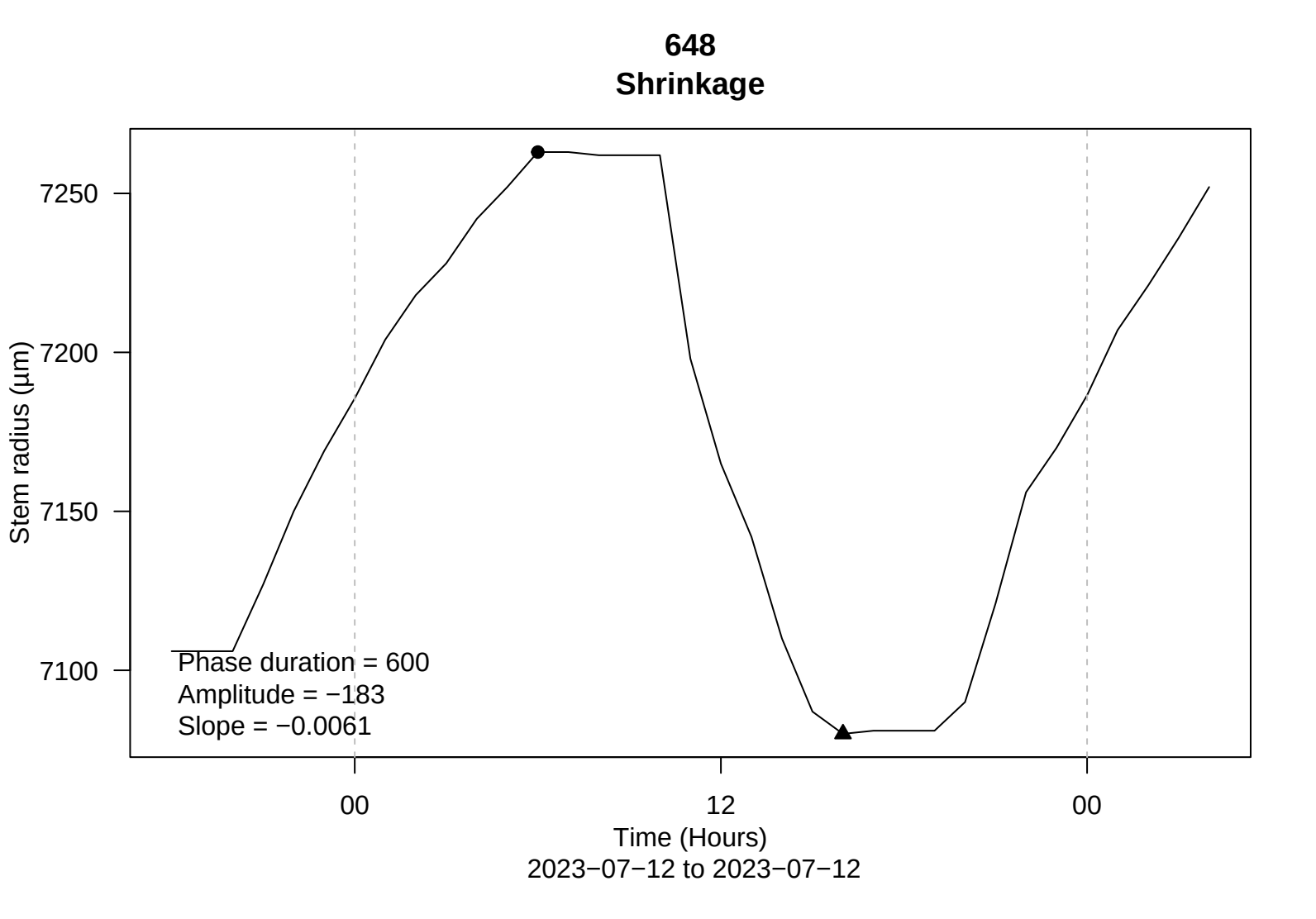

648
Expansion
7200
7150
7100
Stem radius (µm)
Phase duration = 1020
Amplitude = 165
Slope = 0.0034
12
00
12
Time (Hours)
2023−07−09 to 2023−07−10

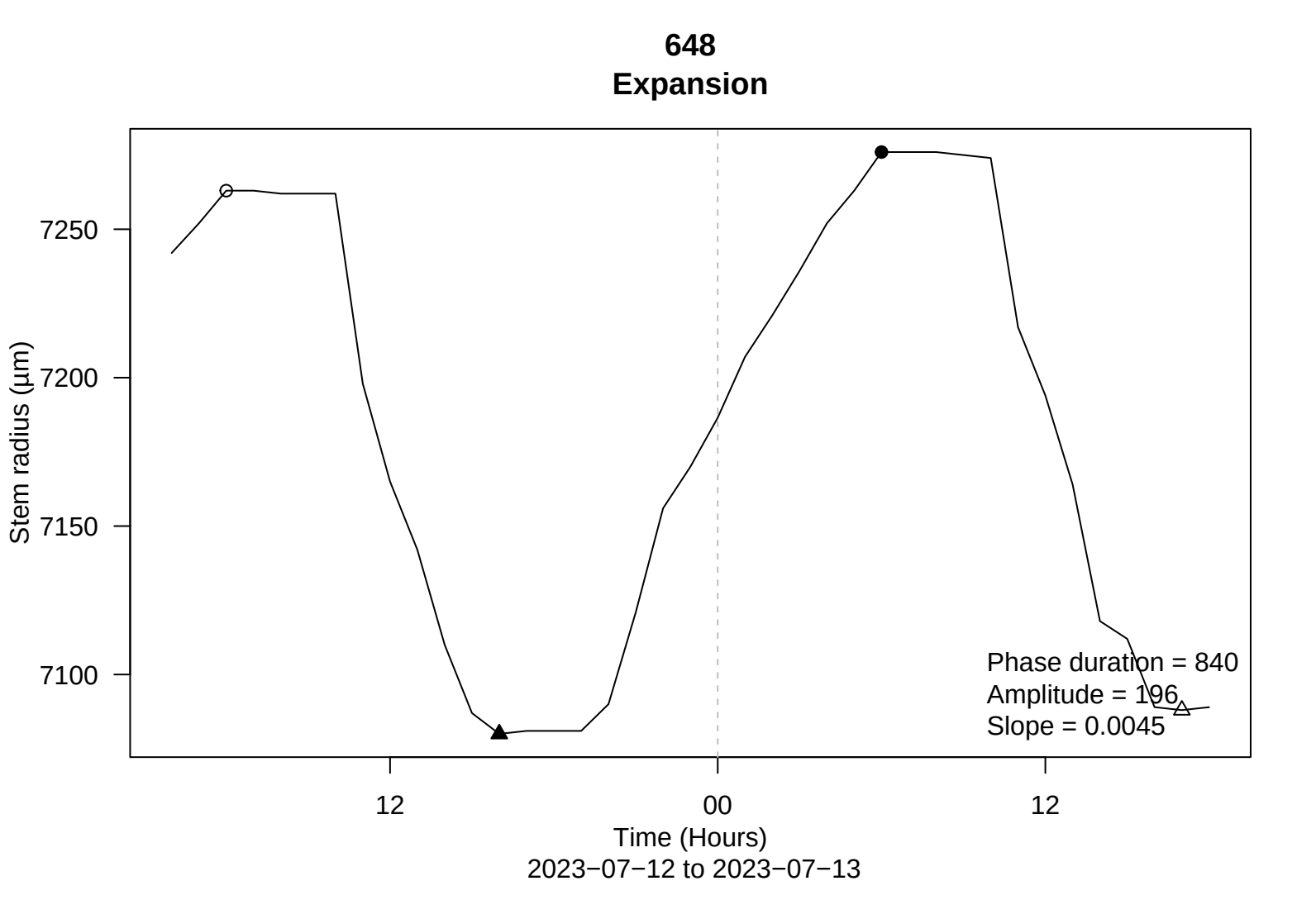

648
Shrinkage
7250
7200
7150
7100
Stem radius (µm)
Phase duration = 420
Amplitude = −141
Slope = −0.0053
00
12
00
Time (Hours)
2023−07−10 to 2023−07−10

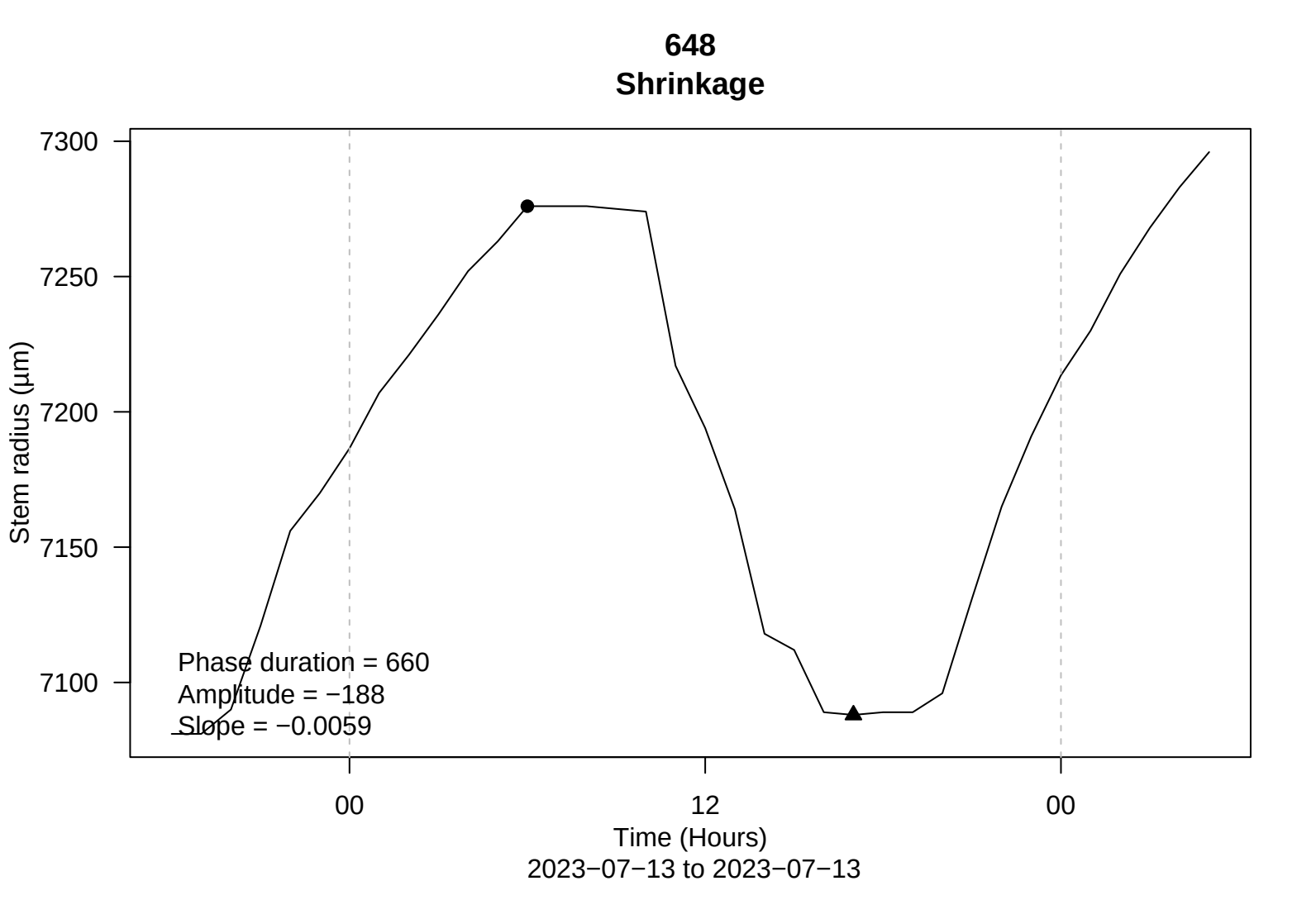

648
Expansion
7250
7200
7150
7100
Stem radius (µm)
12
00
12
Time (Hours)
2023−07−10 to 2023−07−11
Phase duration = 960
Amplitude = 175
Slope = 0.0037

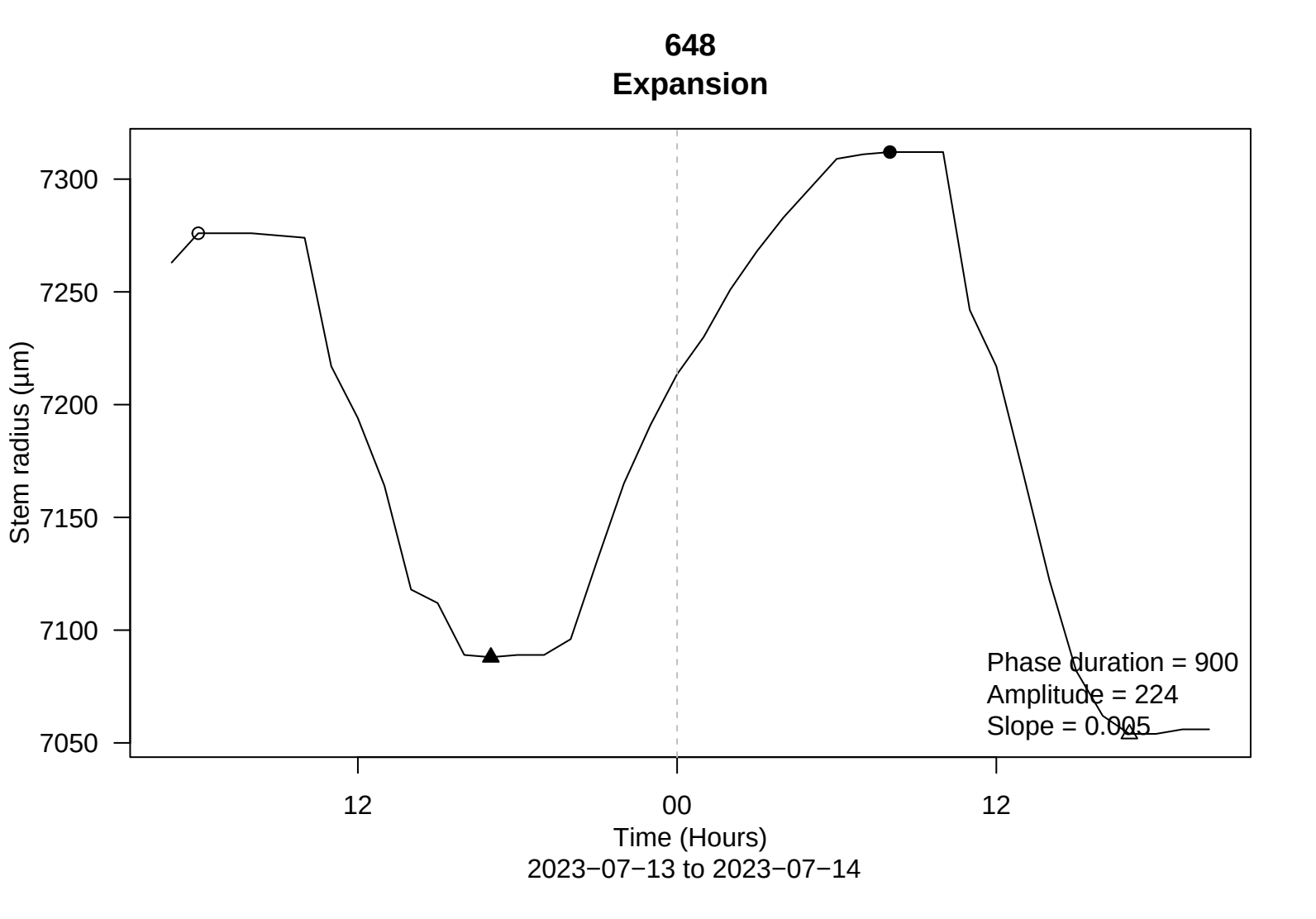

648
Shrinkage
7250
7200
7150
7100
Stem radius (µm)
Phase duration = 480
Amplitude = −163
Slope = −0.0063
00
12
00
Time (Hours)
2023−07−11 to 2023−07−11

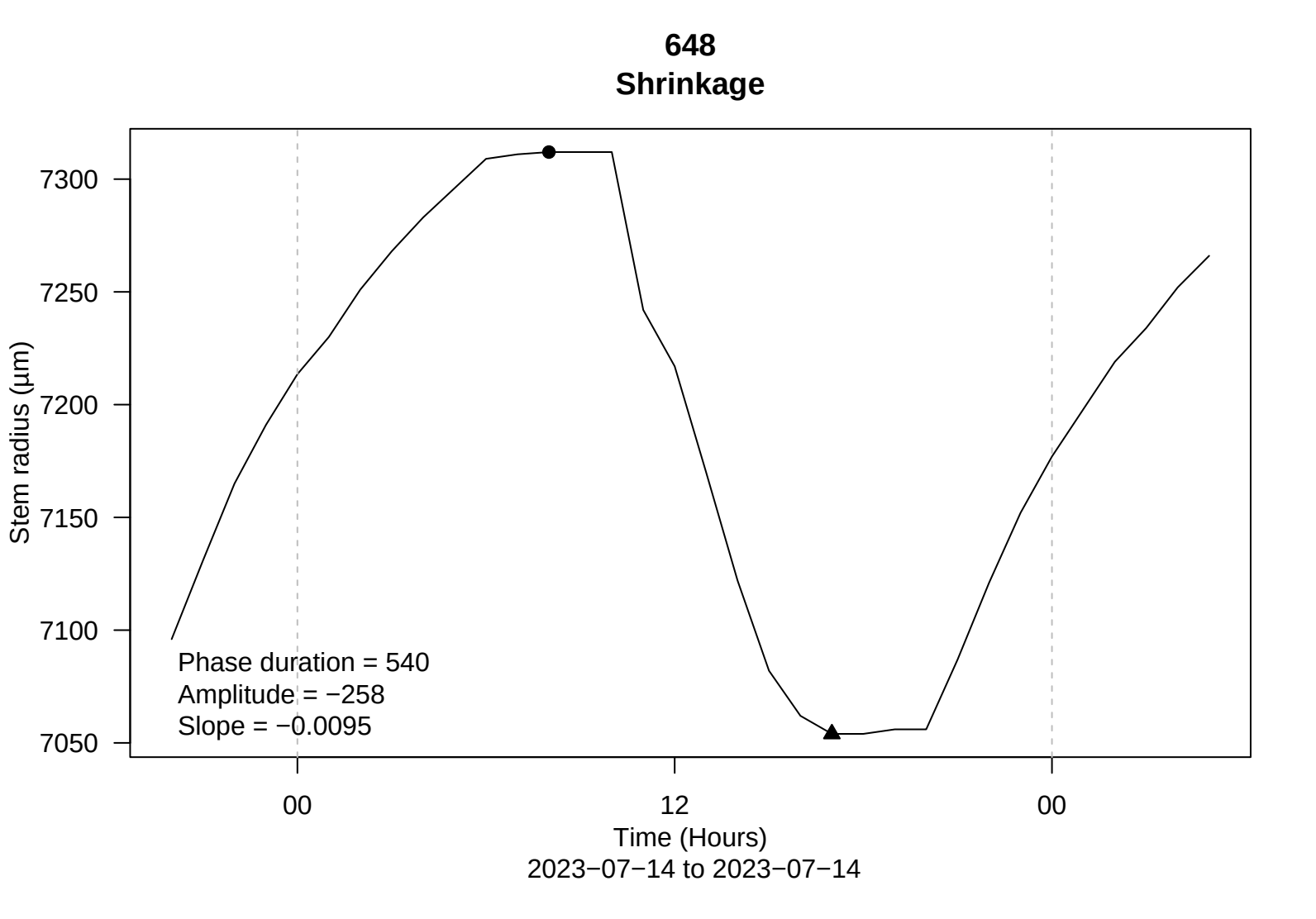

648
Expansion
7250
7200
7150
7100
Stem radius (µm)
Phase duration = 780
Amplitude = 157
Slope = 0.0039
12
00
12
Time (Hours)
2023−07−11 to 2023−07−12

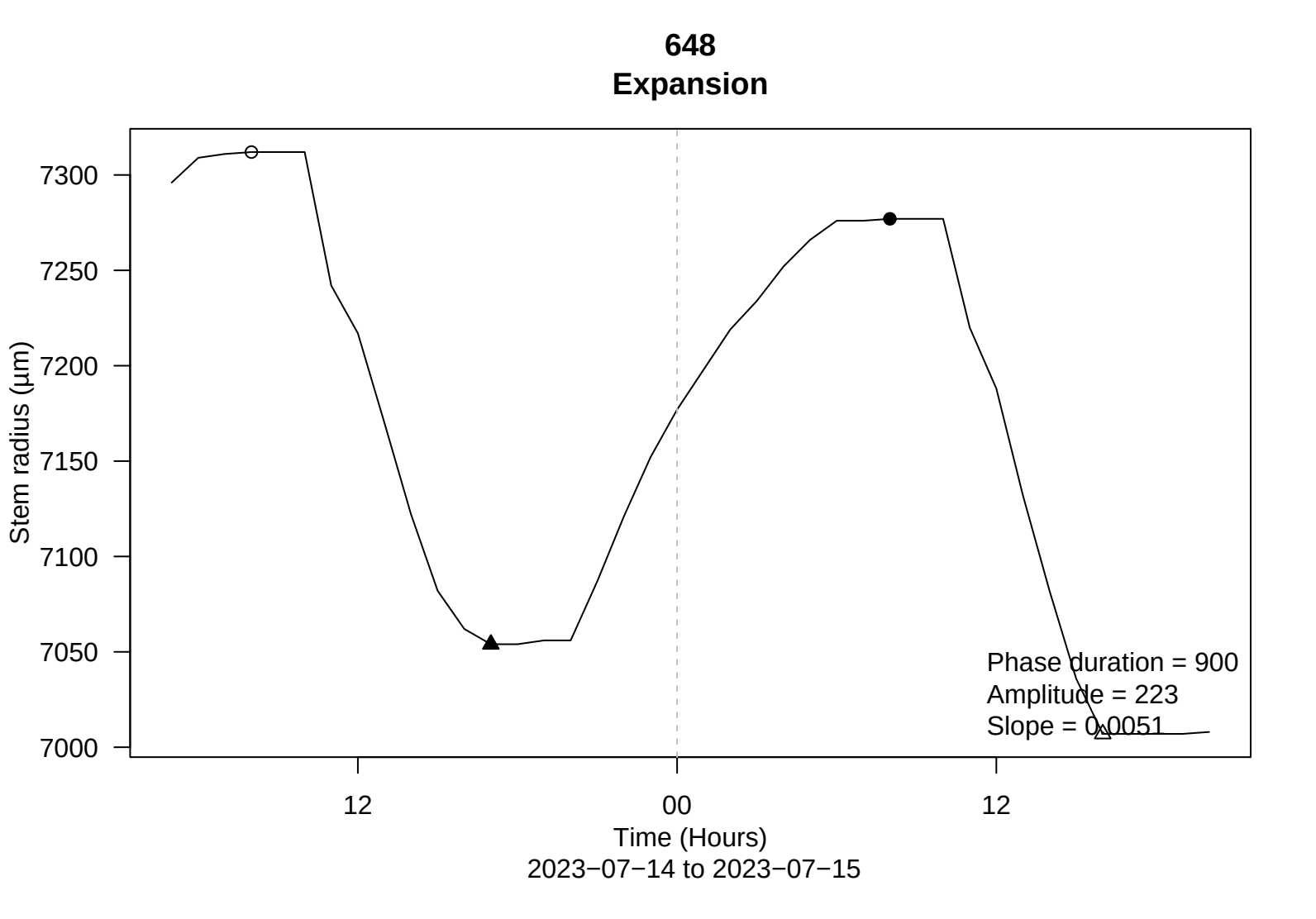

648
Shrinkage
7250
7200
7150
7100
Stem radius (µm)
Phase duration = 600
Amplitude = −183
Slope = −0.0061
00
12
00
Time (Hours)
2023−07−12 to 2023−07−12

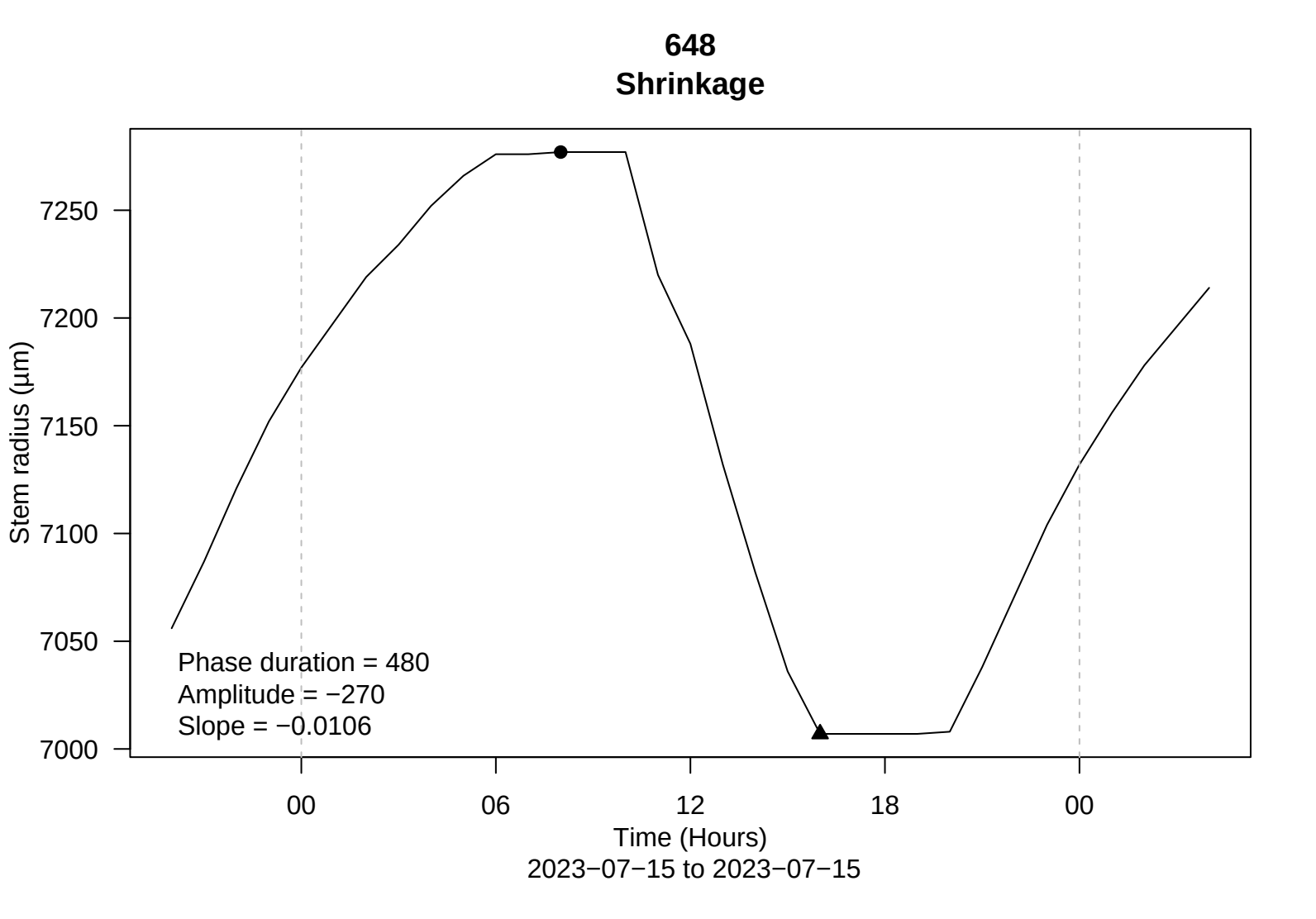

648
Expansion
7250
7200
7150
7100
Stem radius (µm)
Phase duration = 840
Amplitude = 196
Slope = 0.0045
12
00
12
Time (Hours)
2023−07−12 to 2023−07−13

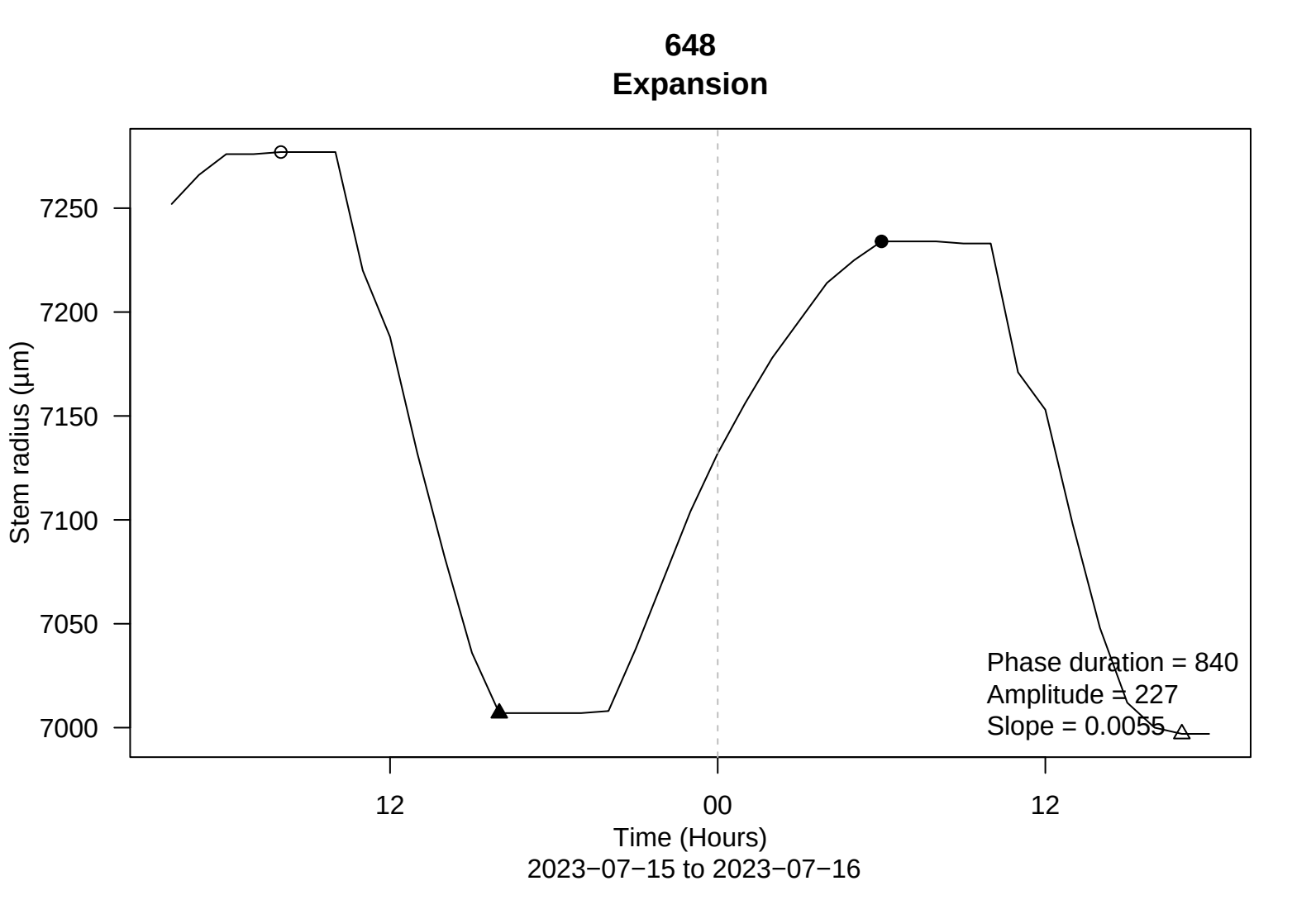

648
Shrinkage
7300
7250
7200
7150
7100
Stem radius (µm)
Phase duration = 660
Amplitude = −188
Slope = −0.0059
00
12
00
Time (Hours)
2023−07−13 to 2023−07−13

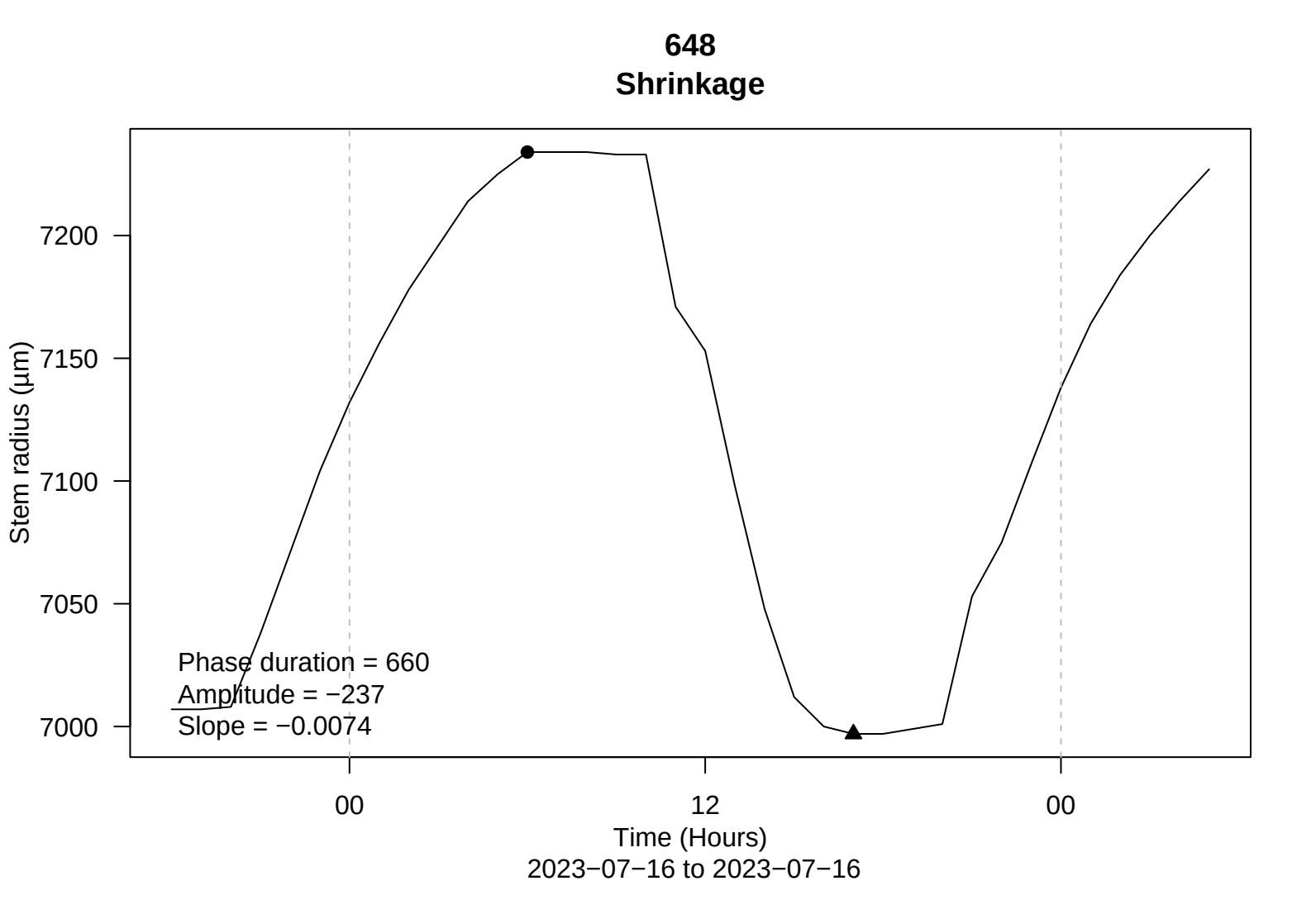

648
Expansion
7300
7250
7200
7150
7100
7050
Stem radius (µm)
12
00
12
Time (Hours)
2023−07−13 to 2023−07−14
Phase duration = 900
Amplitude = 224
Slope = 0.005

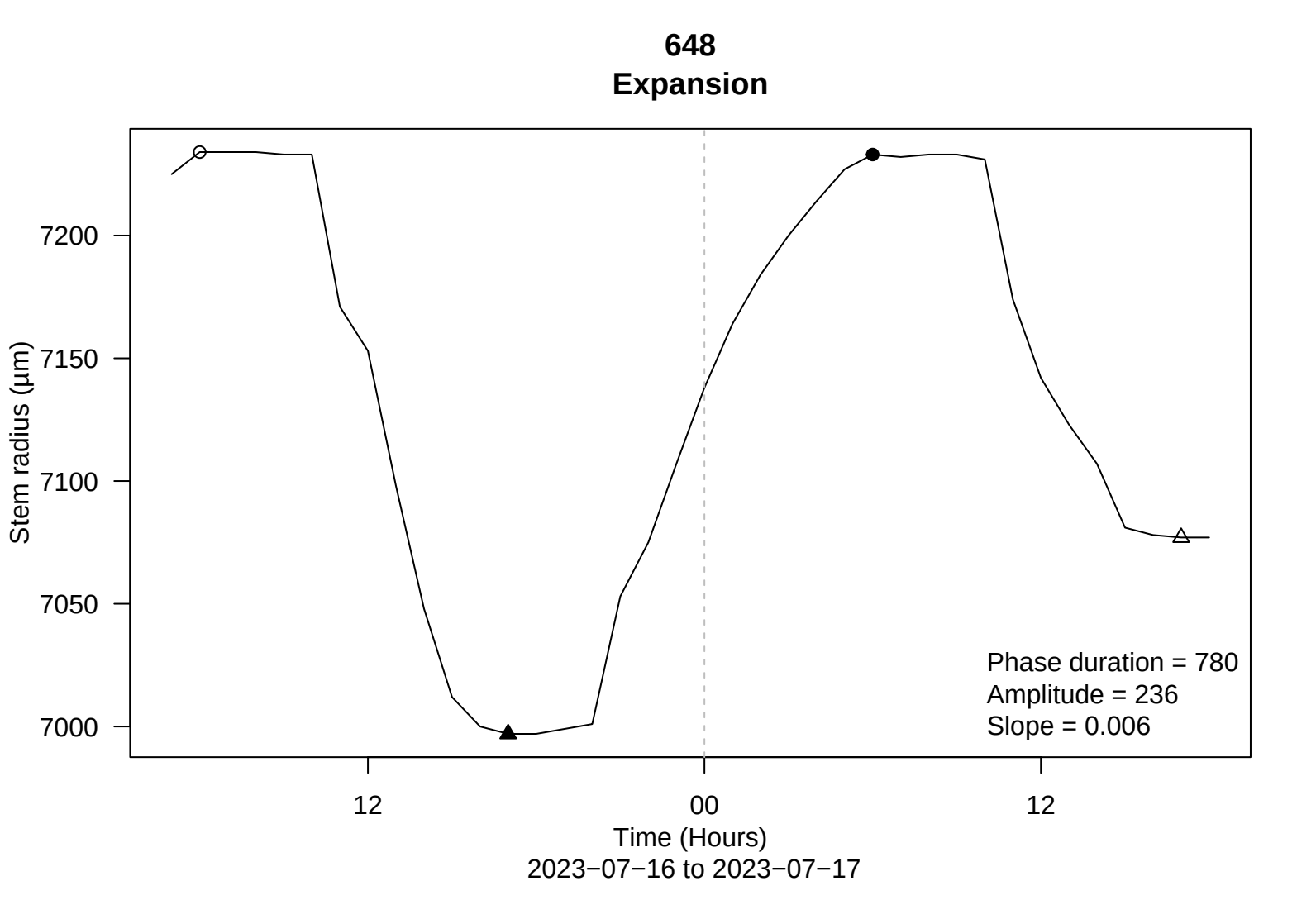

648
Shrinkage
7300
7250
7200
7150
7100
7050
Stem radius (µm)
Phase duration = 540
Amplitude = −258
Slope = −0.0095
00
12
00
Time (Hours)
2023−07−14 to 2023−07−14

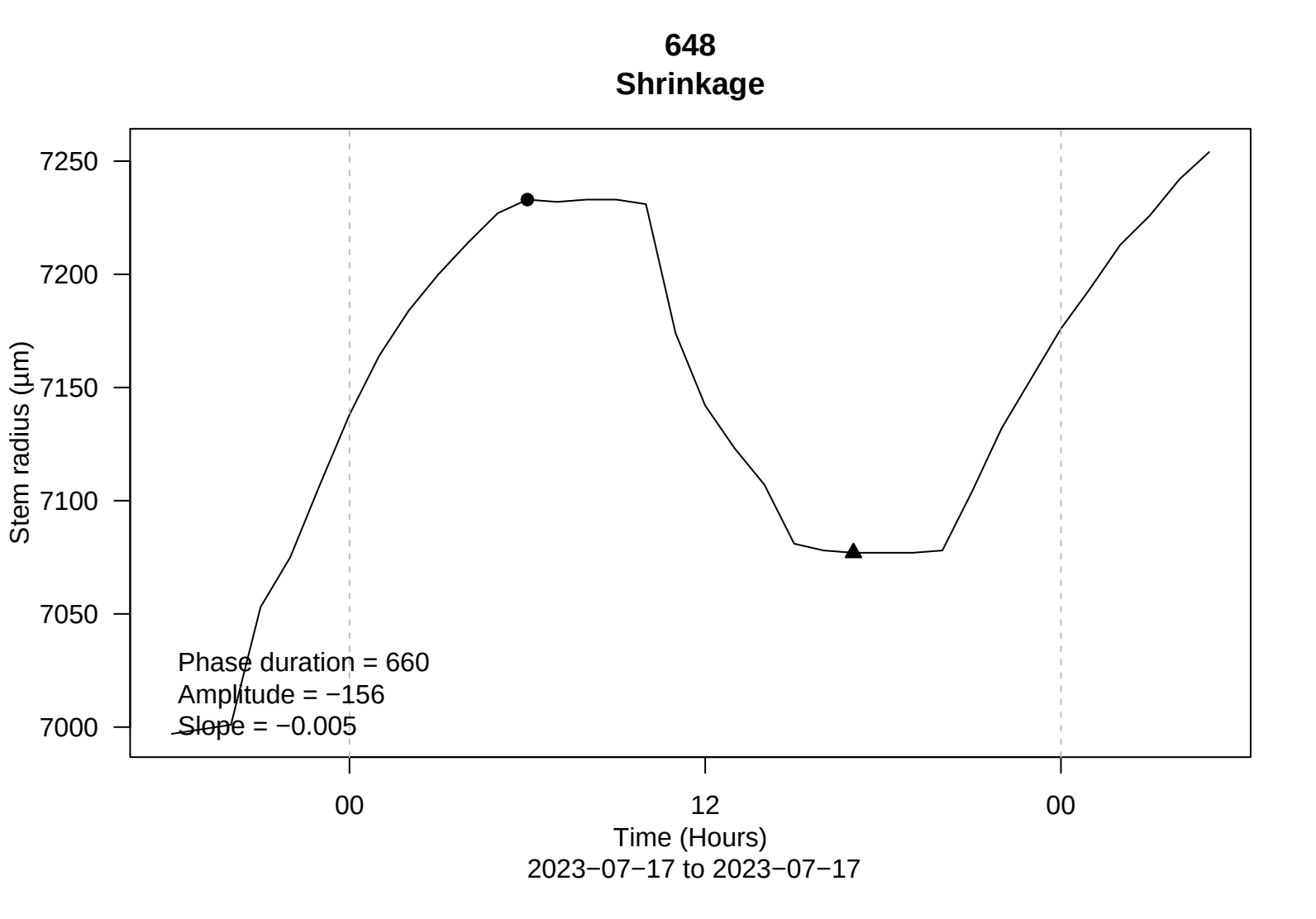

648
Expansion
7300
7250
7200
7150
7100
7050
7000
Stem radius (µm)
12
00
12
Time (Hours)
2023−07−14 to 2023−07−15
Phase duration = 900
Amplitude = 223
Slope = 0.0051

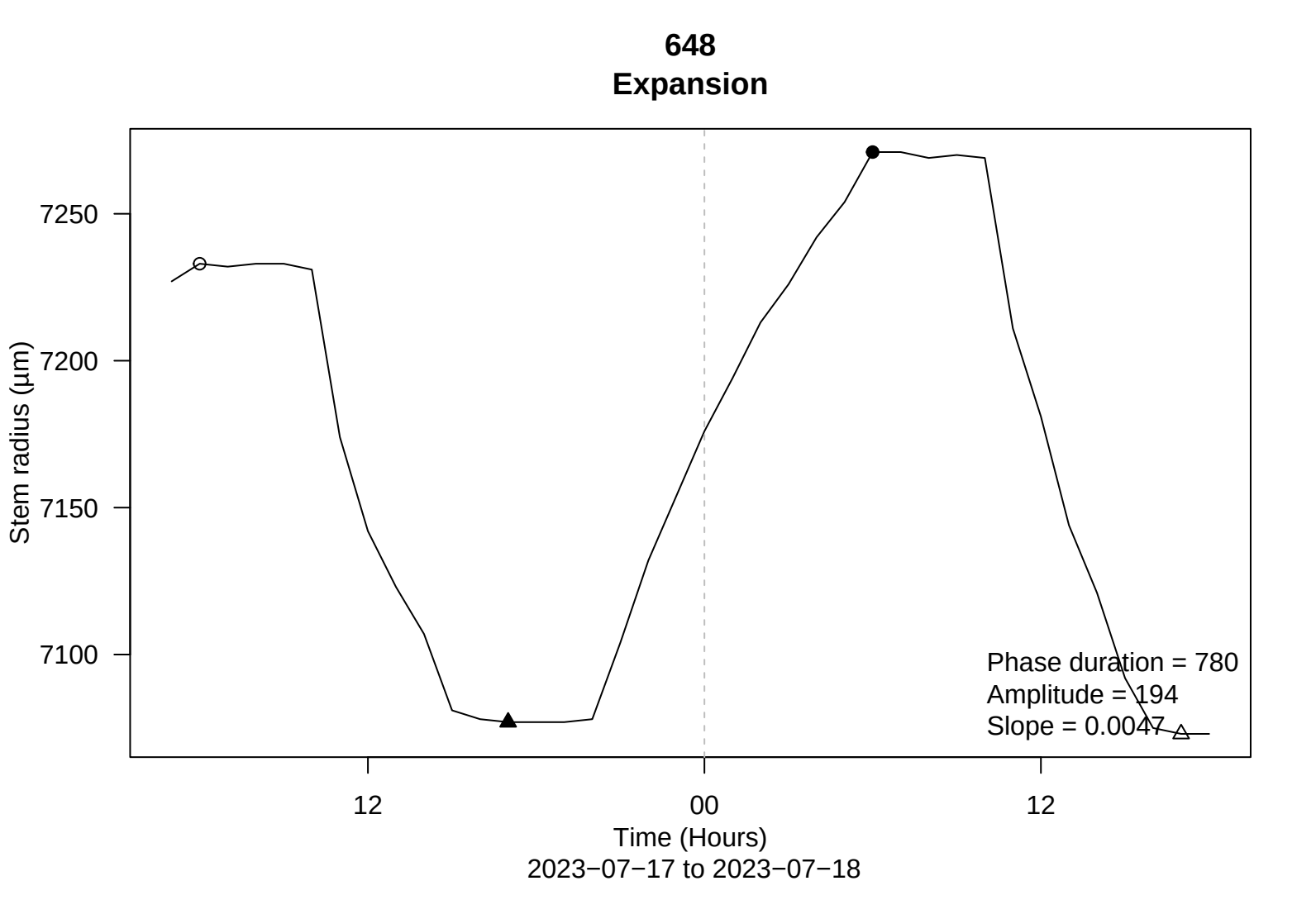

648
Shrinkage
Stem radius (µm)
7250
7200
7150
7100
7050
7000
Phase duration = 480
Amplitude = −270
Slope = −0.0106
00
06
12
18
00
Time (Hours)
2023−07−15 to 2023−07−15

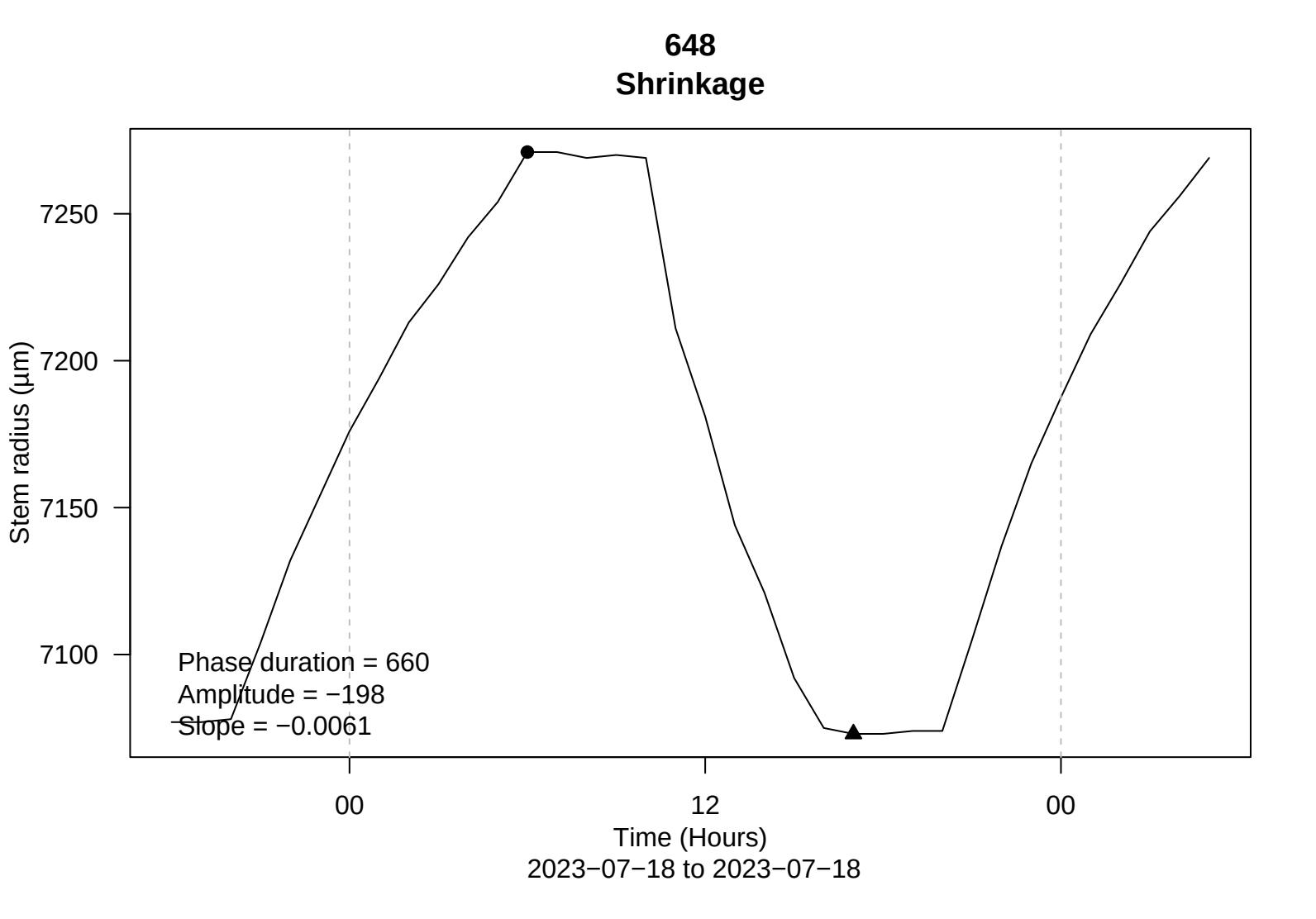

648
Expansion
7250
7200
7150
7100
7050
7000
Stem radius (µm)
12
00
12
Time (Hours)
2023−07−15 to 2023−07−16
Phase duration = 840
Amplitude = 227
Slope = 0.0055

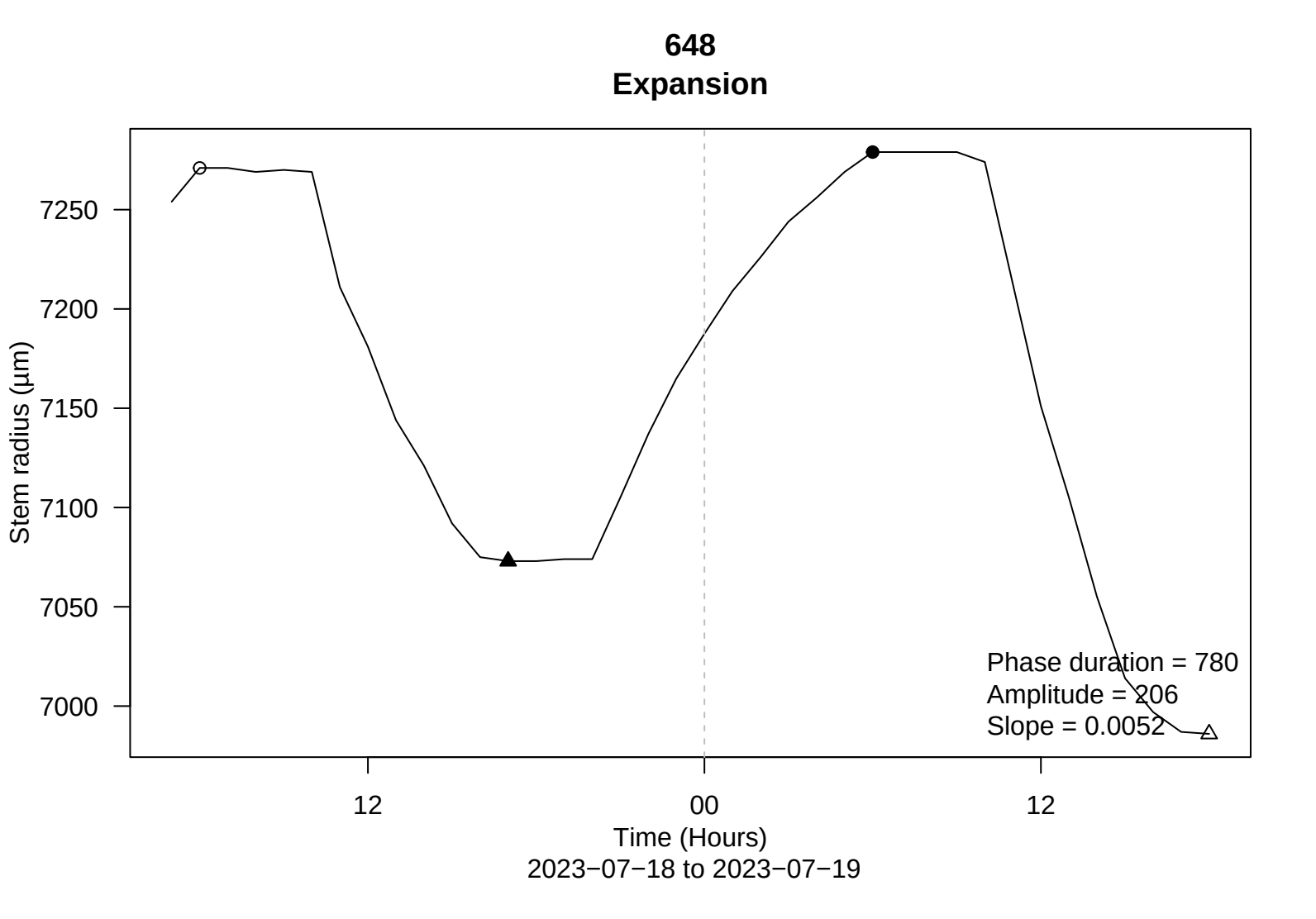

648
Shrinkage
Stem radius (µm)
7200
7150
7100
7050
7000
Phase duration = 660
Amplitude = −237
Slope = −0.0074
00
12
00
Time (Hours)
2023−07−16 to 2023−07−16

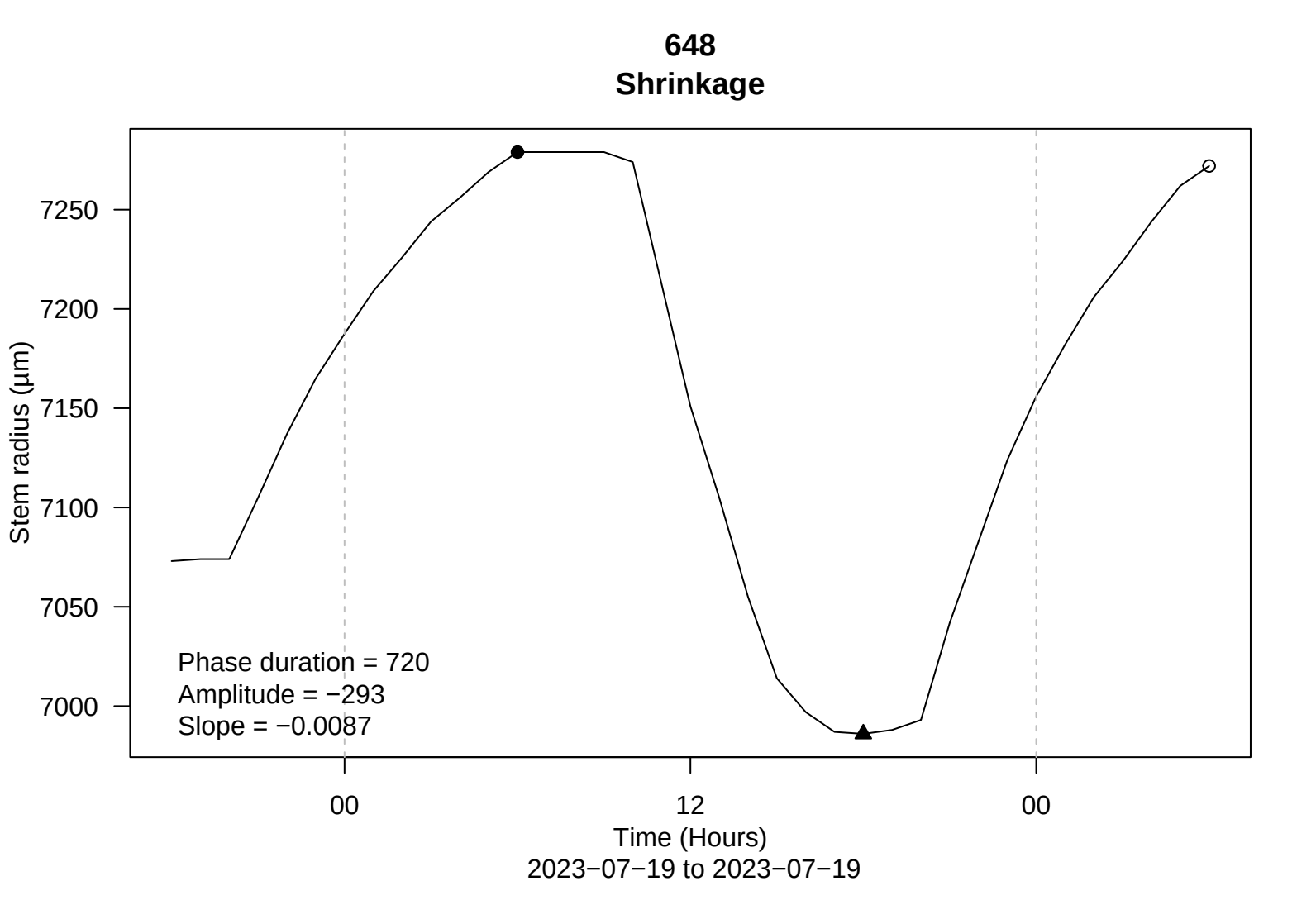

648
Expansion
Stem radius (µm)
7200
7150
7100
7050
7000
12
00
12
Time (Hours)
2023−07−16 to 2023−07−17
Phase duration = 780
Amplitude = 236
Slope = 0.006

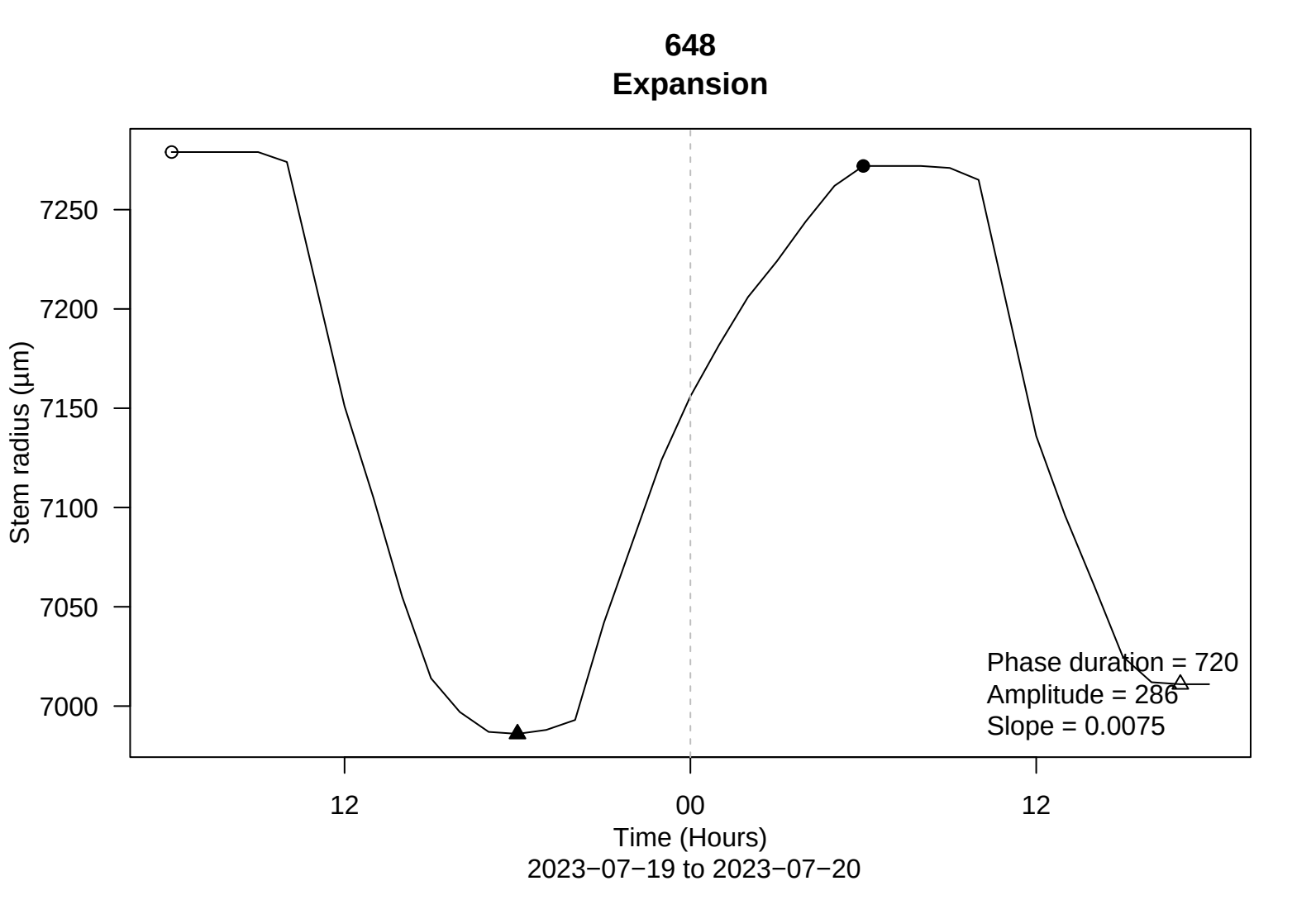

648
Shrinkage
7250
7200
7150
7100
7050
7000
Stem radius (µm)
Phase duration = 660
Amplitude = −156
Slope = −0.005
00
12
00
Time (Hours)
2023−07−17 to 2023−07−17

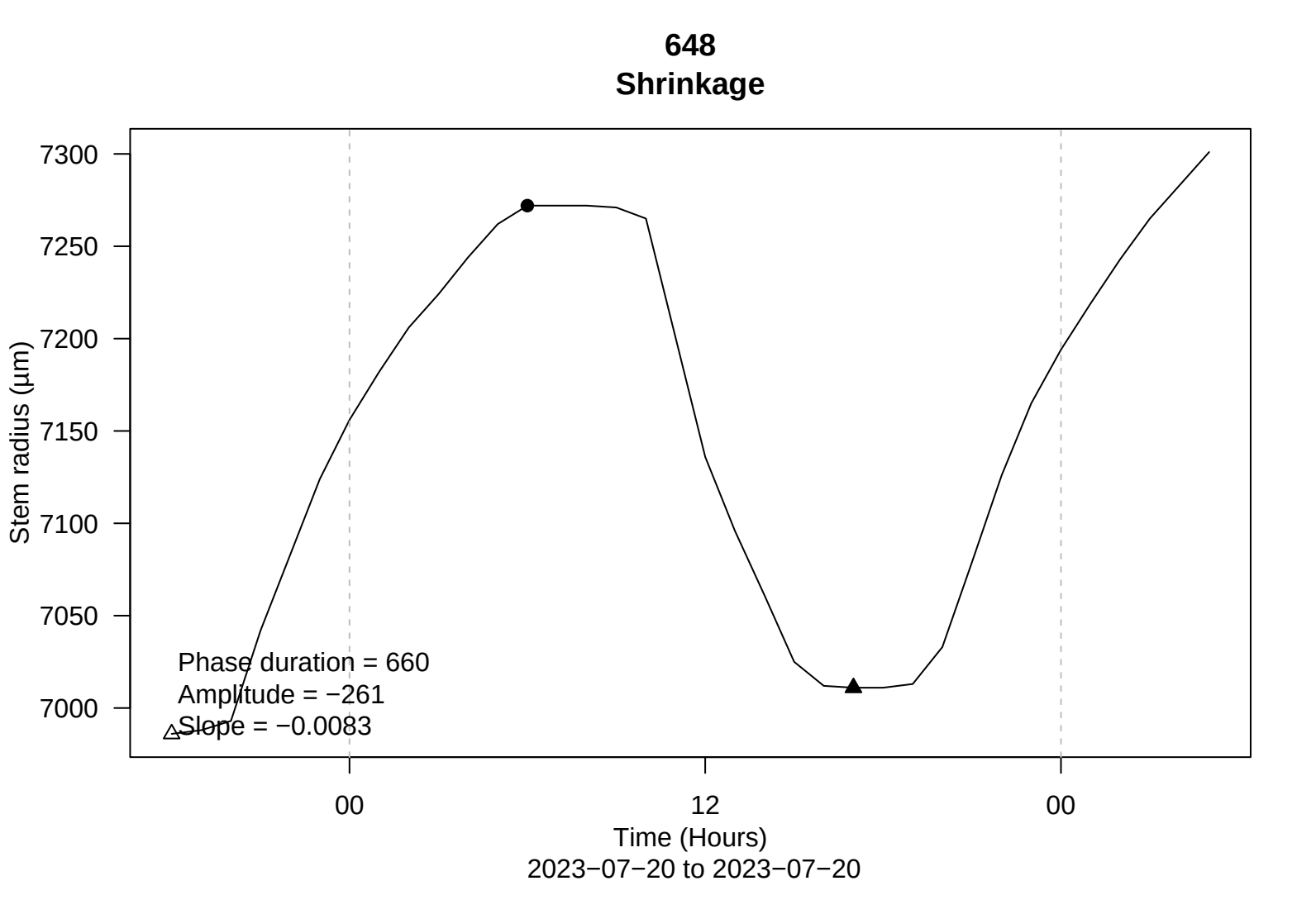

648
Expansion
7250
7200
7150
7100
Stem radius (µm)
Phase duration = 780
Amplitude = 194
Slope = 0.0047
12
00
12
Time (Hours)
2023−07−17 to 2023−07−18

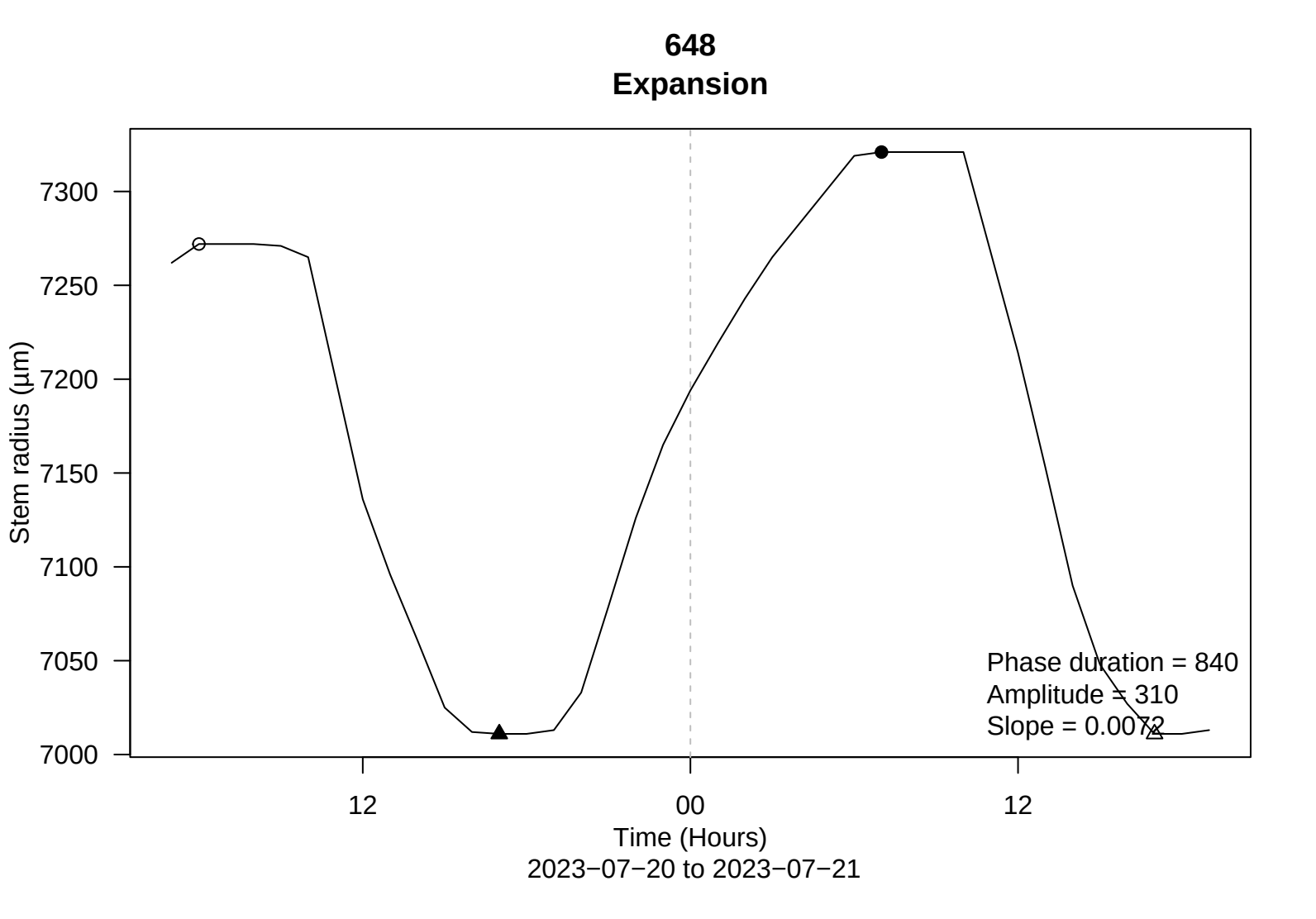

648
Shrinkage
7250
7200
7150
7100
Stem radius (µm)
Phase duration = 660
Amplitude = −198
Slope = −0.0061
00
12
00
Time (Hours)
2023−07−18 to 2023−07−18

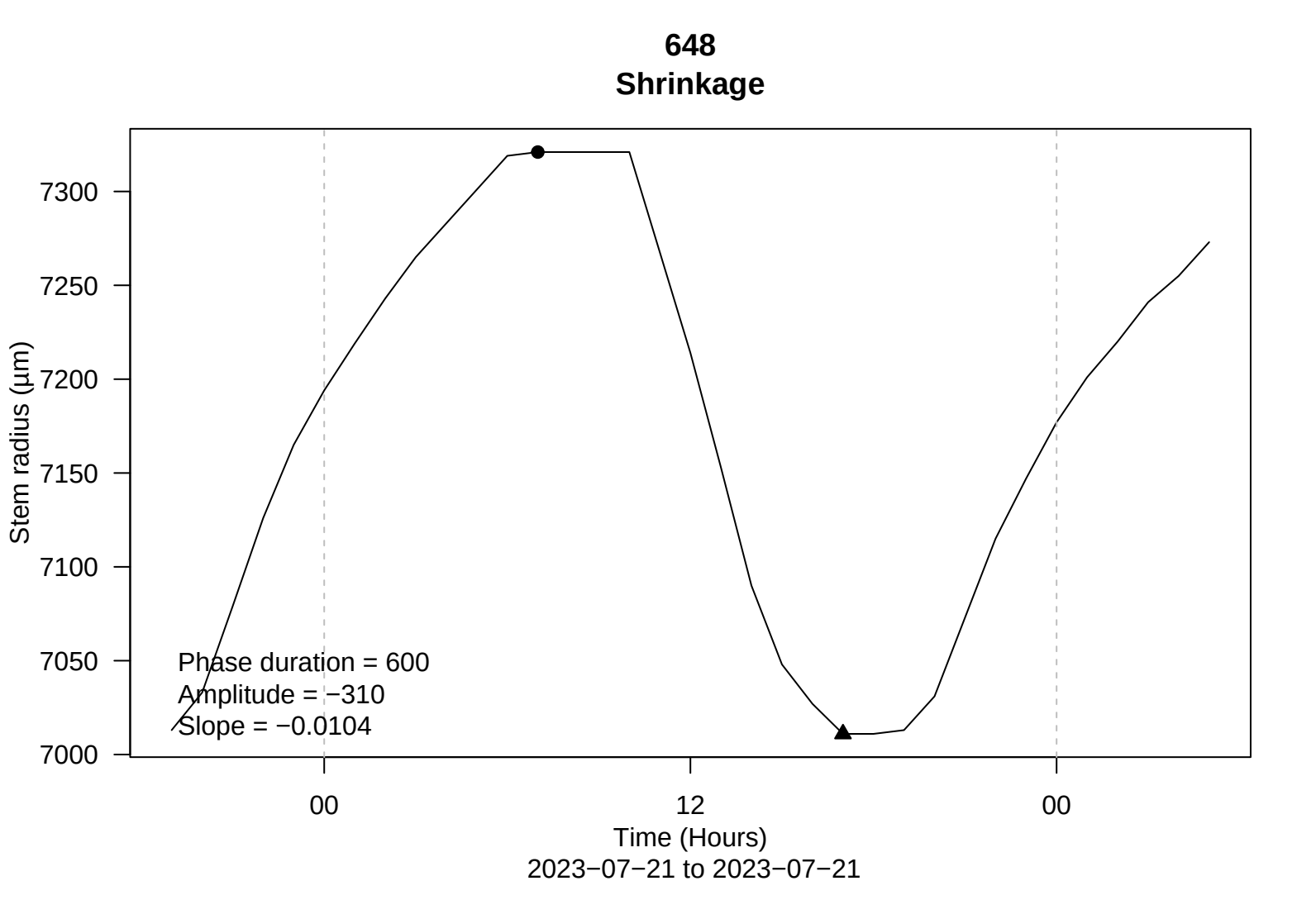

648
Expansion
7250
7200
7150
7100
7050
7000
Stem radius (µm)
Phase duration = 780
Amplitude = 206
Slope = 0.0052
12
00
12
Time (Hours)
2023−07−18 to 2023−07−19

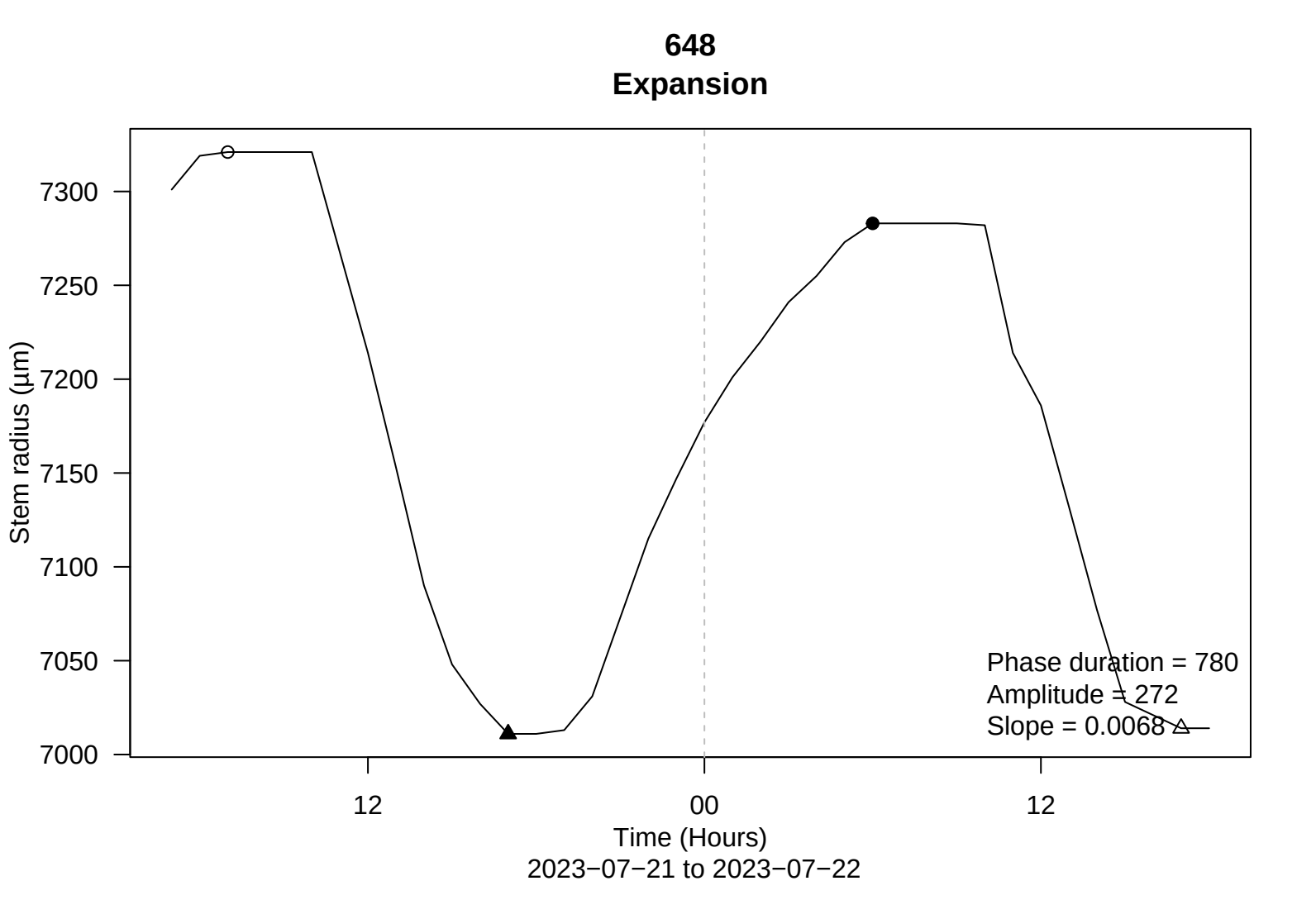

648
Shrinkage
Stem radius (µm)
7250
7200
7150
7100
7050
7000
Phase duration = 720
Amplitude = −293
Slope = −0.0087
00
12
00
Time (Hours)
2023−07−19 to 2023−07−19

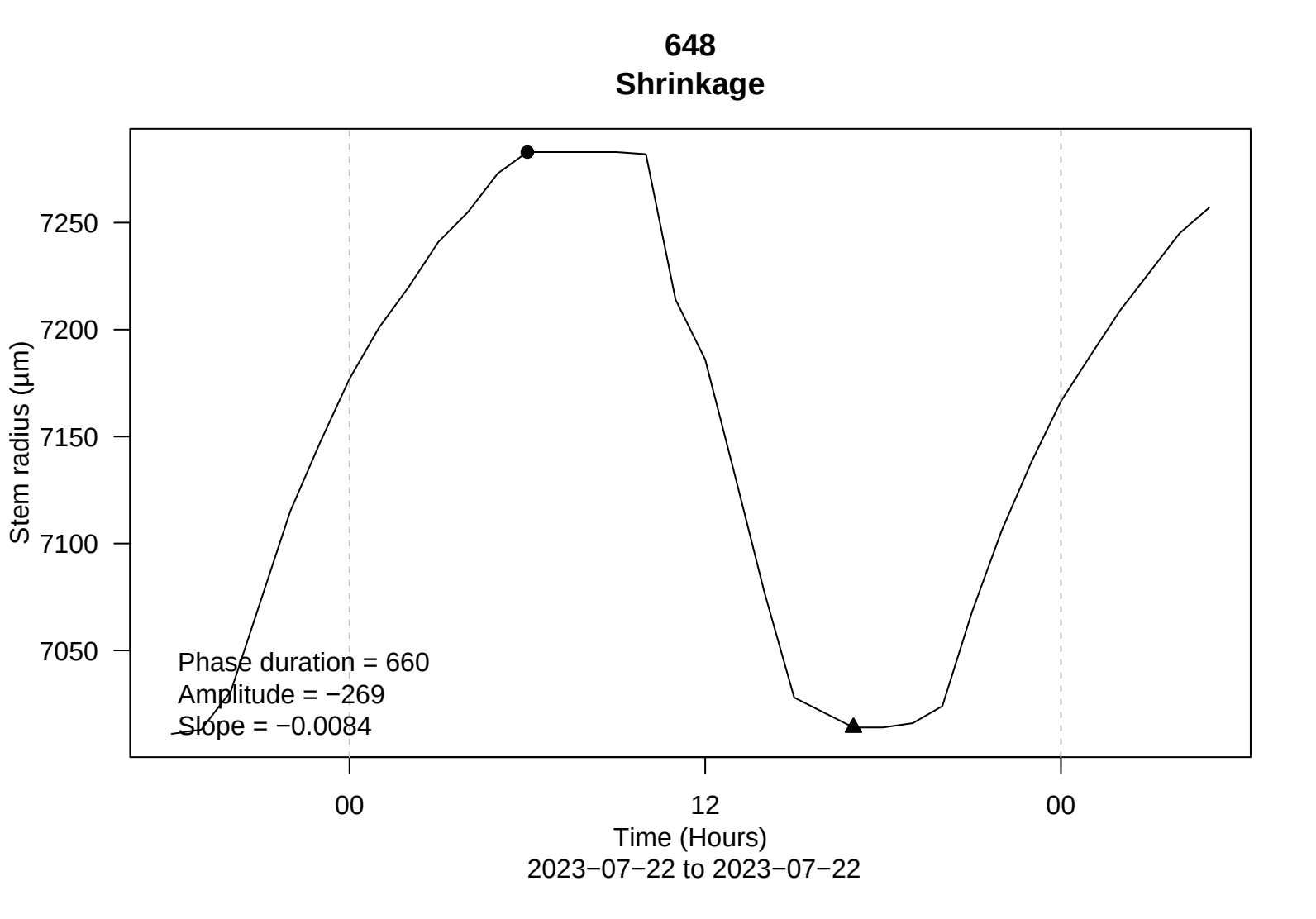

648
Expansion
7250
7200
7150
7100
7050
7000
Stem radius (µm)
12
00
12
Time (Hours)
2023−07−19 to 2023−07−20
Phase duration = 720
Amplitude = 286
Slope = 0.0075

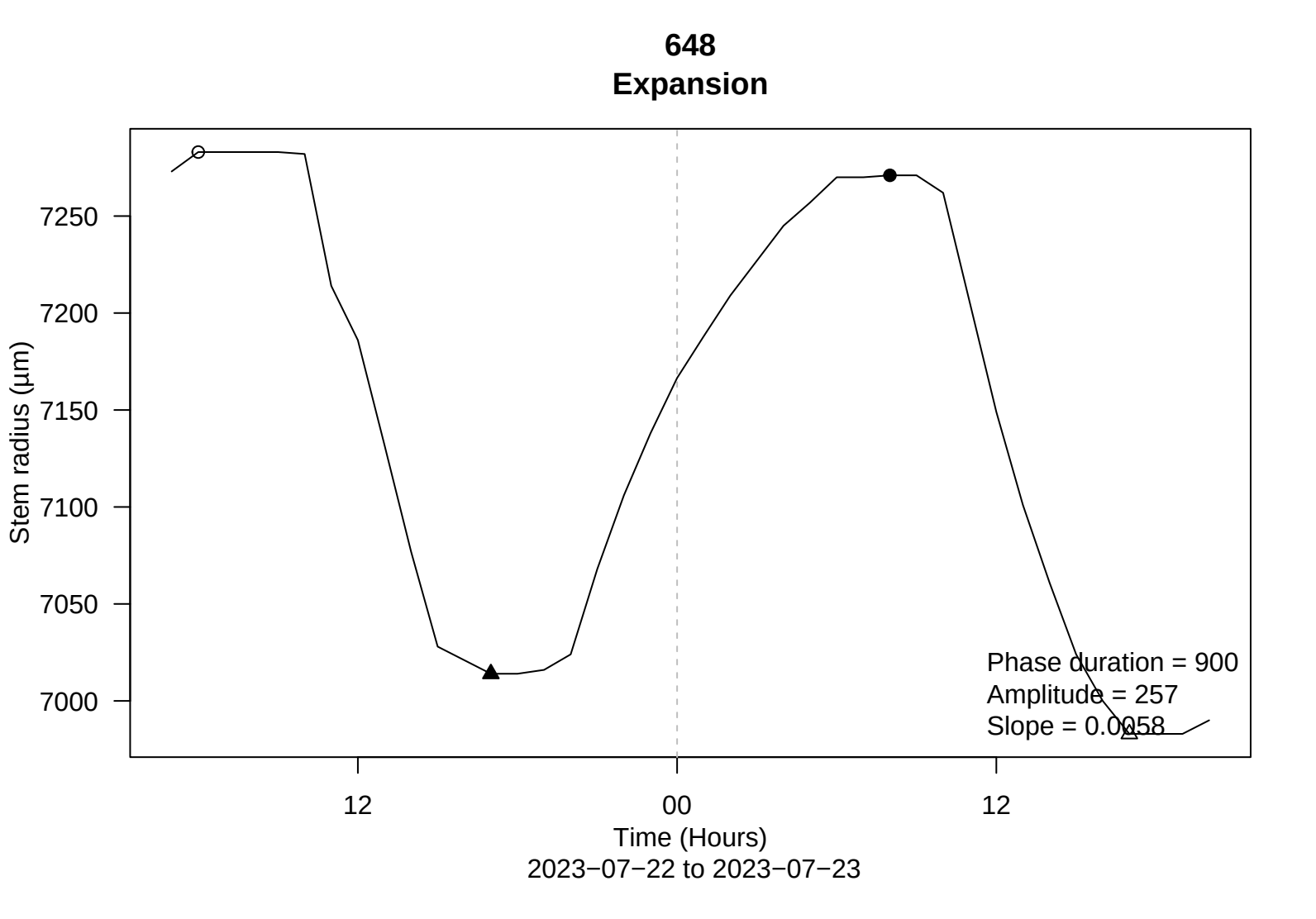

648
Shrinkage
7300
7250
7200
7150
7100
7050
7000
Stem radius (µm)
Phase duration = 660
Amplitude = −261
Slope = −0.0083
00
12
00
Time (Hours)
2023−07−20 to 2023−07−20

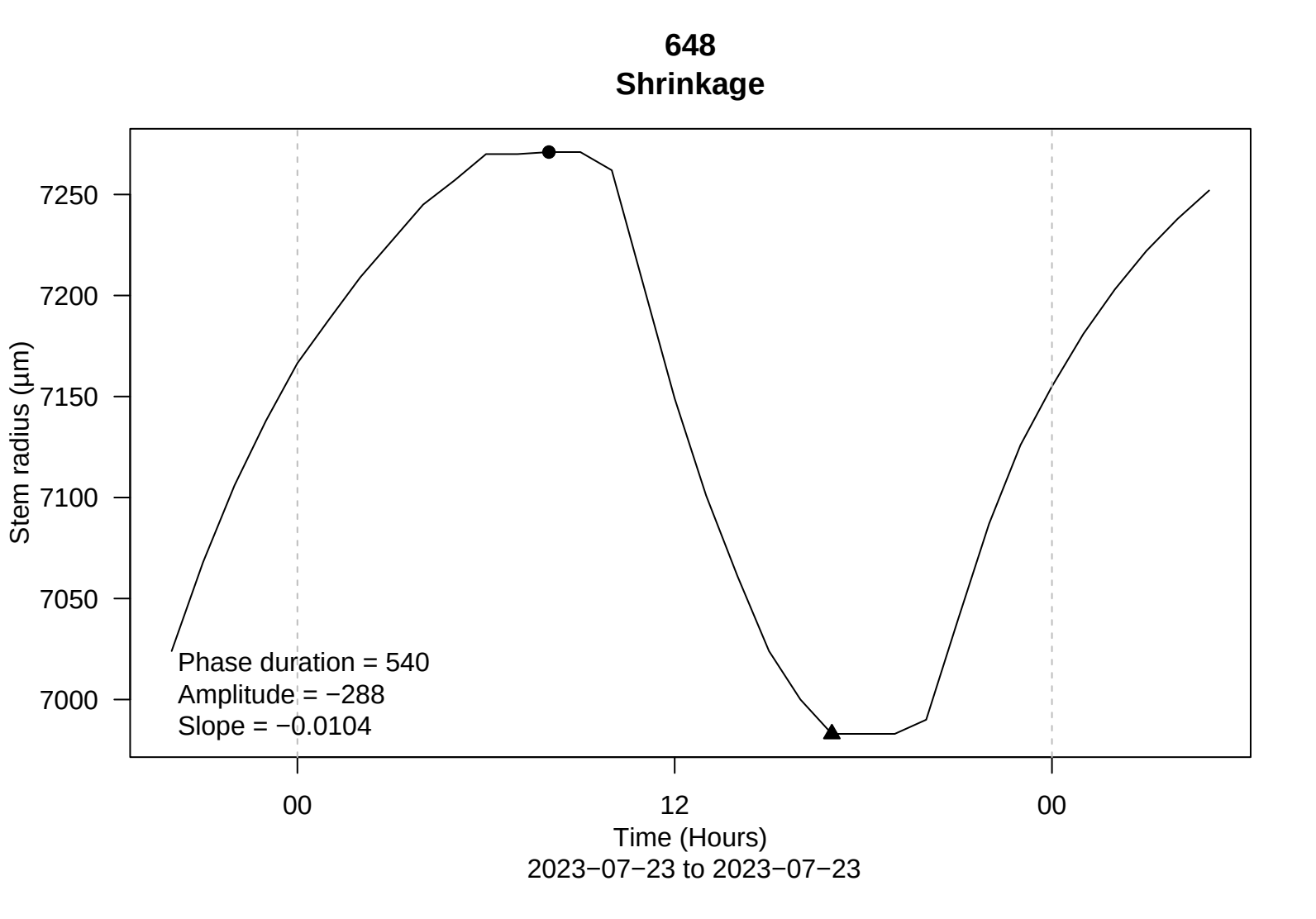

648
Expansion
7300
7250
7200
7150
7100
7050
7000
Stem radius (µm)
12
00
12
Time (Hours)
2023−07−20 to 2023−07−21
Phase duration = 840
Amplitude = 310
Slope = 0.0072

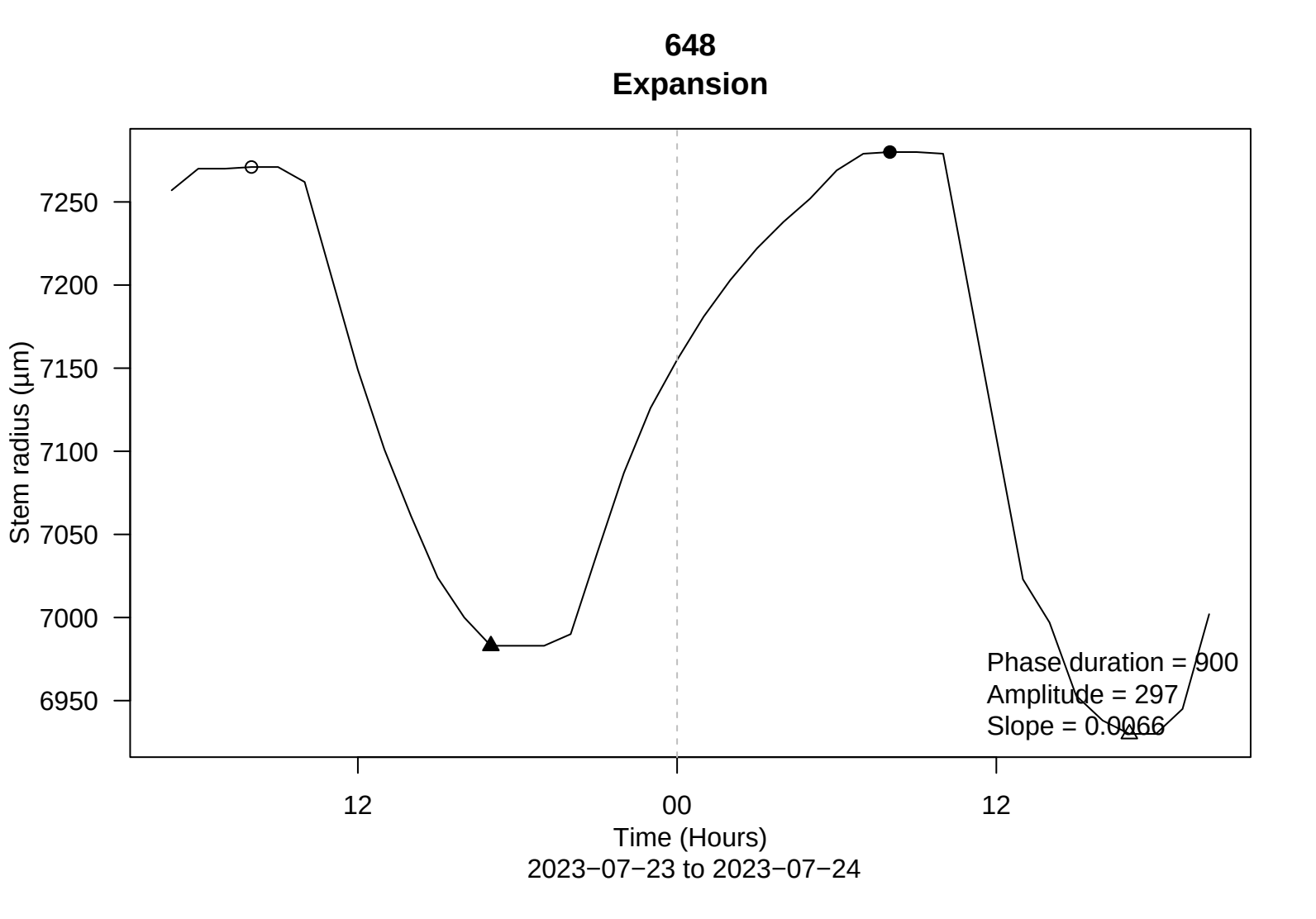

648
Shrinkage
7300
7250
7200
7150
7100
7050
7000
Stem radius (µm)
Phase duration = 600
Amplitude = −310
Slope = −0.0104
00
12
00
Time (Hours)
2023−07−21 to 2023−07−21

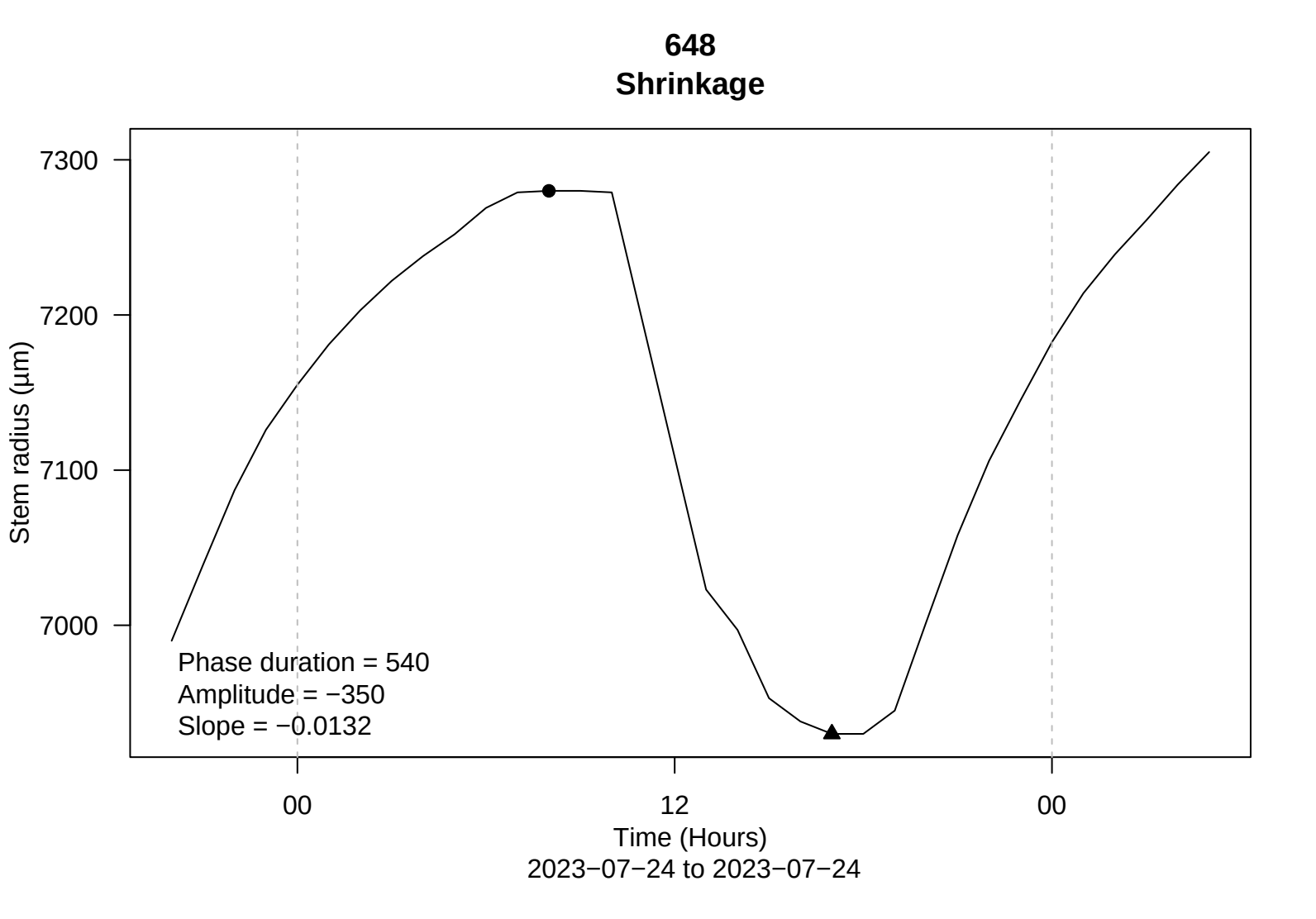

648
Expansion
7300
7250
7200
7150
7100
7050
7000
Stem radius (µm)
12
00
12
Time (Hours)
2023−07−21 to 2023−07−22
Phase duration = 780
Amplitude = 272
Slope = 0.0068

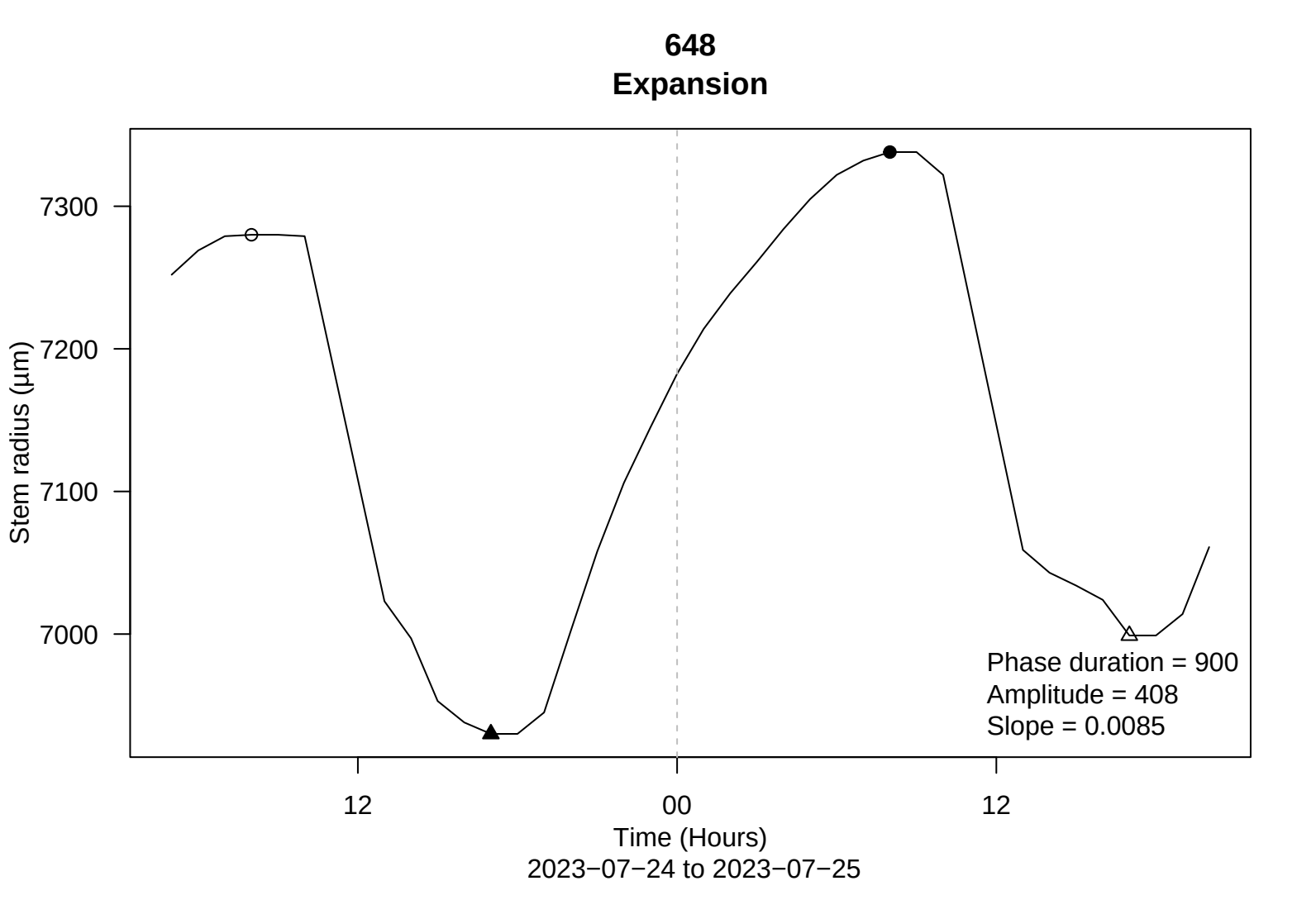

648
Shrinkage
7250
7200
7150
7100
7050
Stem radius (µm)
Phase duration = 660
Amplitude = −269
Slope = −0.0084
00
12
00
Time (Hours)
2023−07−22 to 2023−07−22

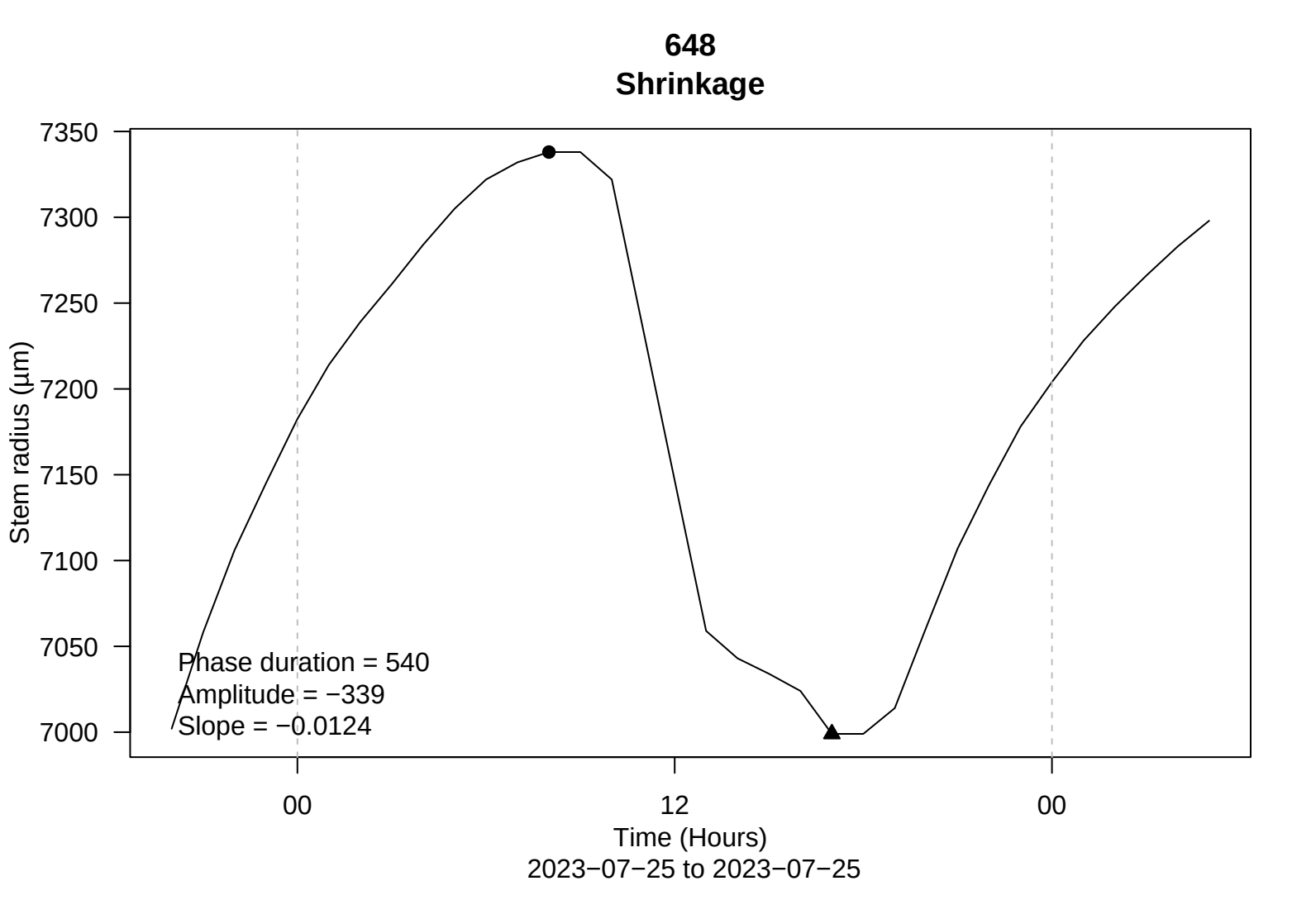

648
Expansion
7250
7200
7150
7100
7050
7000
Stem radius (µm)
12
00
12
Time (Hours)
2023−07−22 to 2023−07−23
Phase duration = 900
Amplitude = 257
Slope = 0.0058

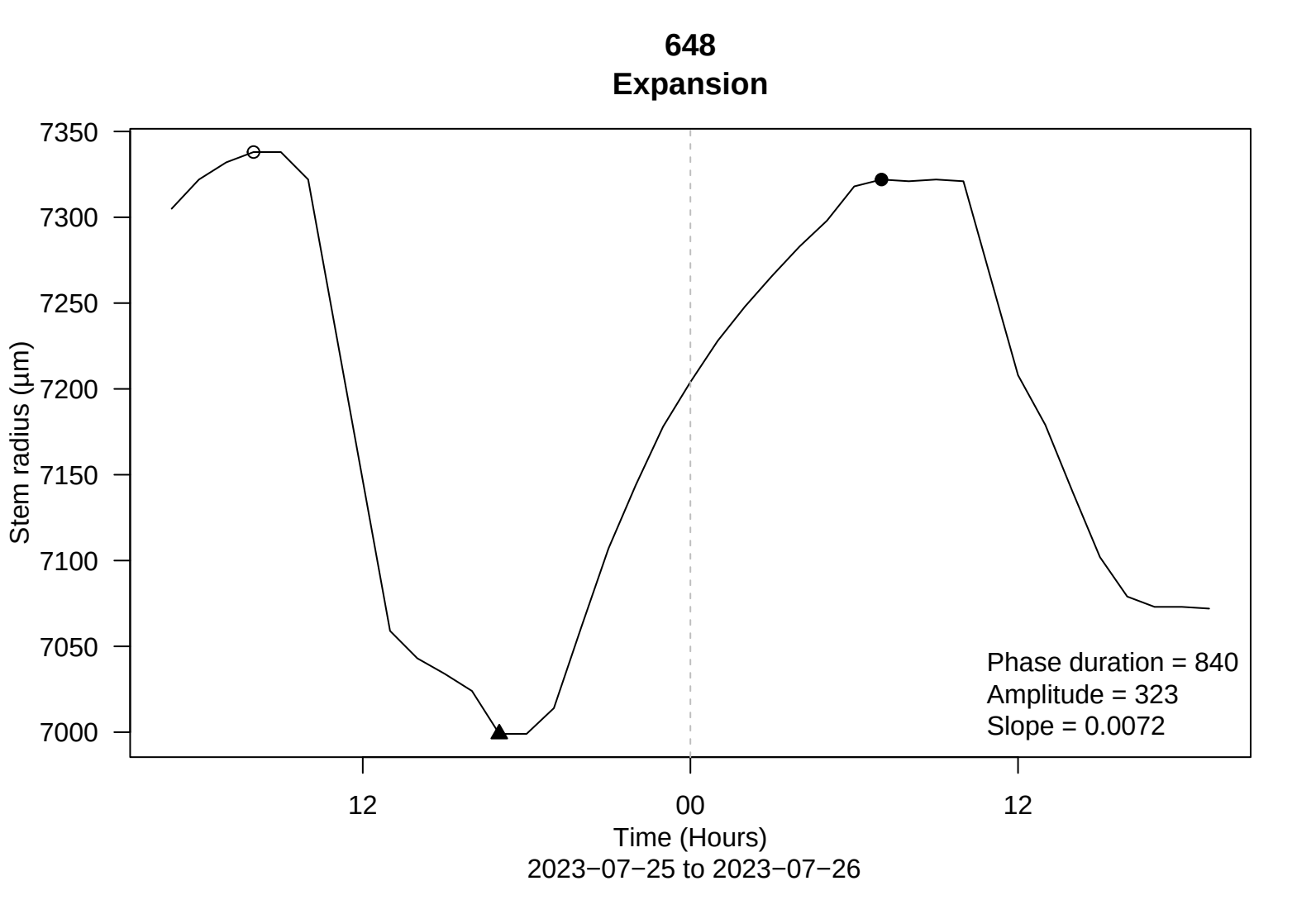

648
Shrinkage
7250
7200
7150
7100
7050
7000
Stem radius (µm)
Phase duration = 540
Amplitude = −288
Slope = −0.0104
00
12
00
Time (Hours)
2023−07−23 to 2023−07−23

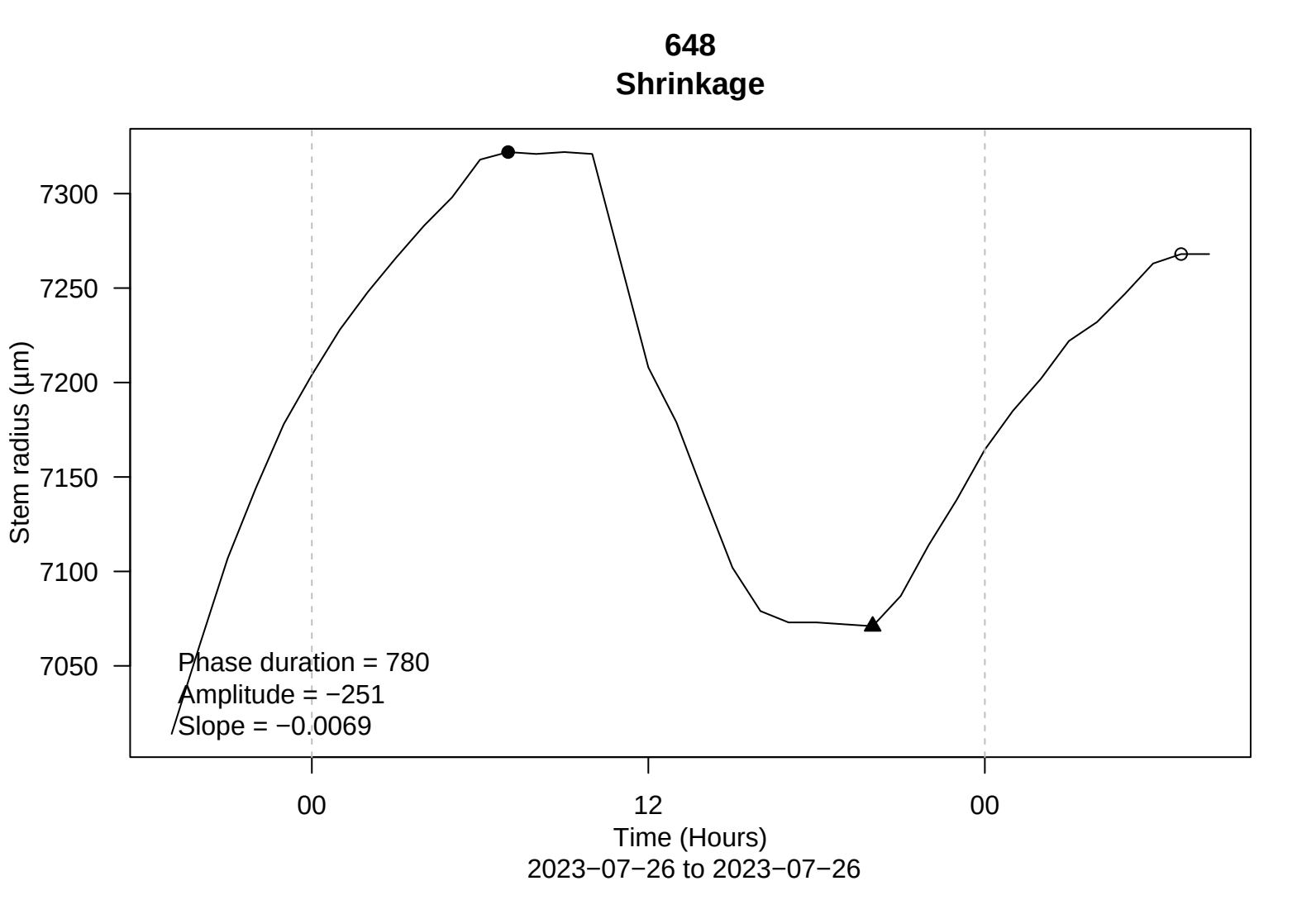

648
Expansion
7250
7200
7150
7100
7050
7000
6950
Stem radius (µm)
Phase duration = 900
Amplitude = 297
Slope = 0.0066
12
00
12
Time (Hours)
2023−07−23 to 2023−07−24

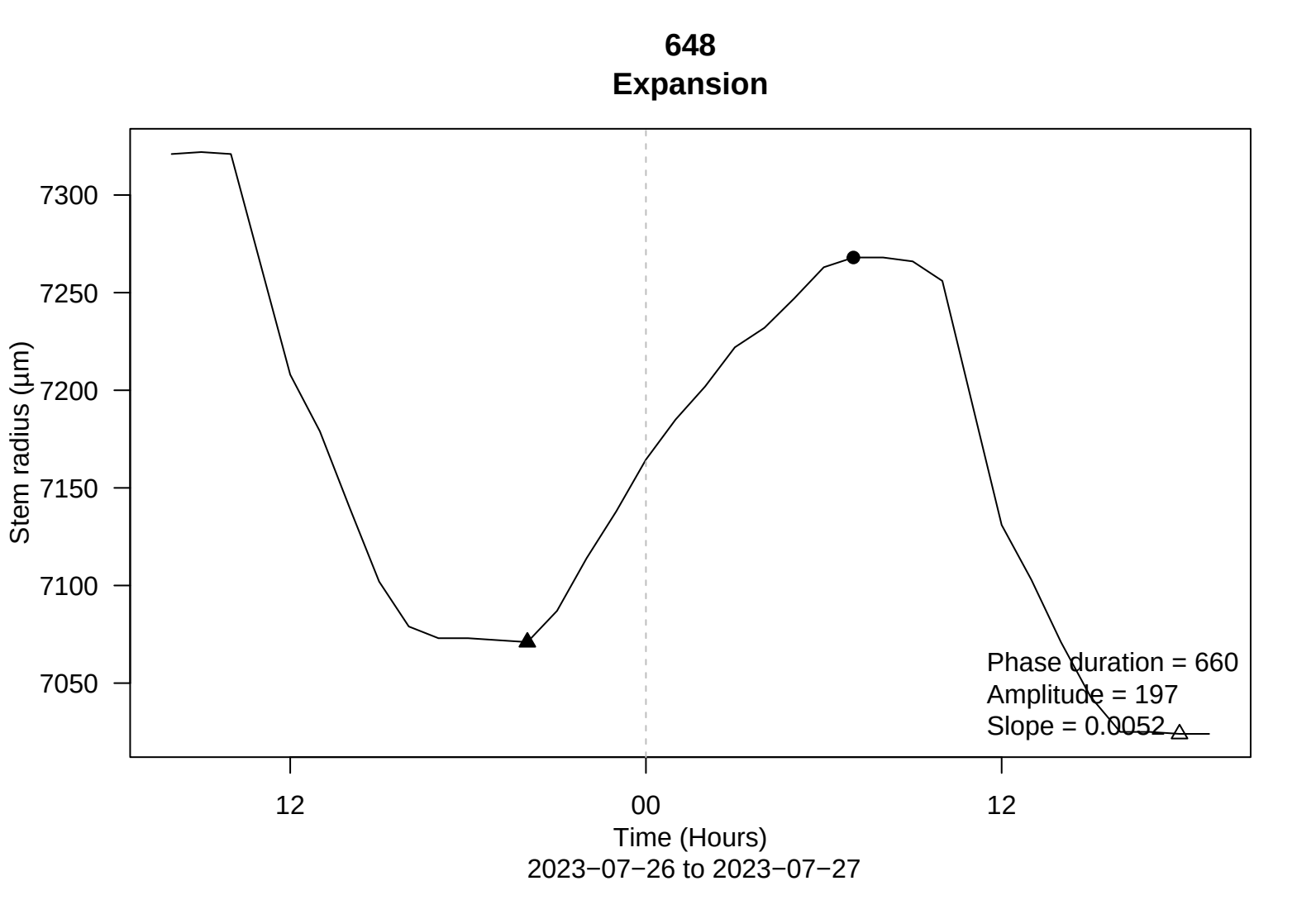

648
Shrinkage
7300
7200
7100
7000
Stem radius (µm)
Phase duration = 540
Amplitude = −350
Slope = −0.0132
00
12
00
Time (Hours)
2023−07−24 to 2023−07−24

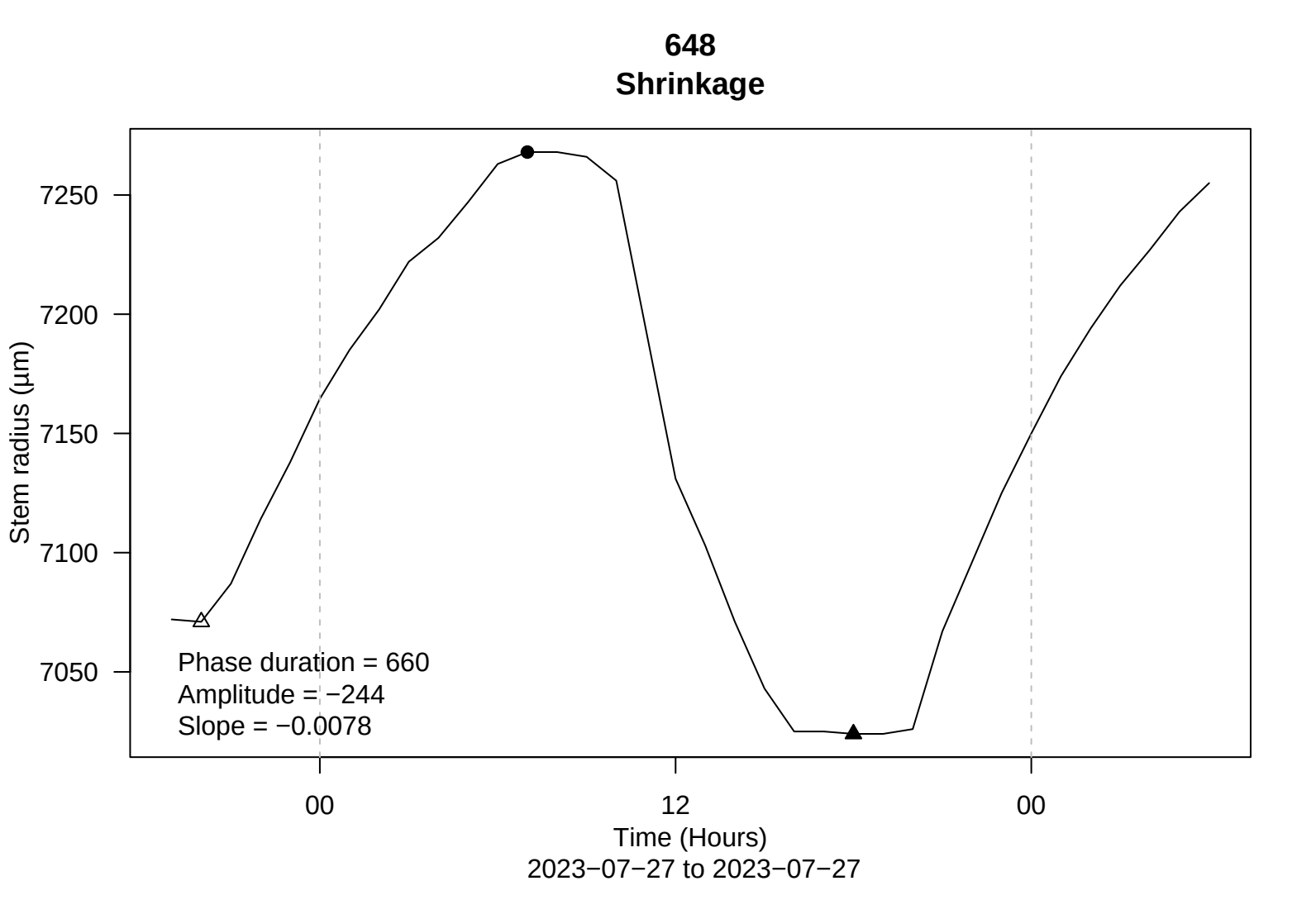

648
Expansion
7300
7200
7100
7000
Stem radius (µm)
Phase duration = 900
Amplitude = 408
Slope = 0.0085
12
00
12
Time (Hours)
2023−07−24 to 2023−07−25

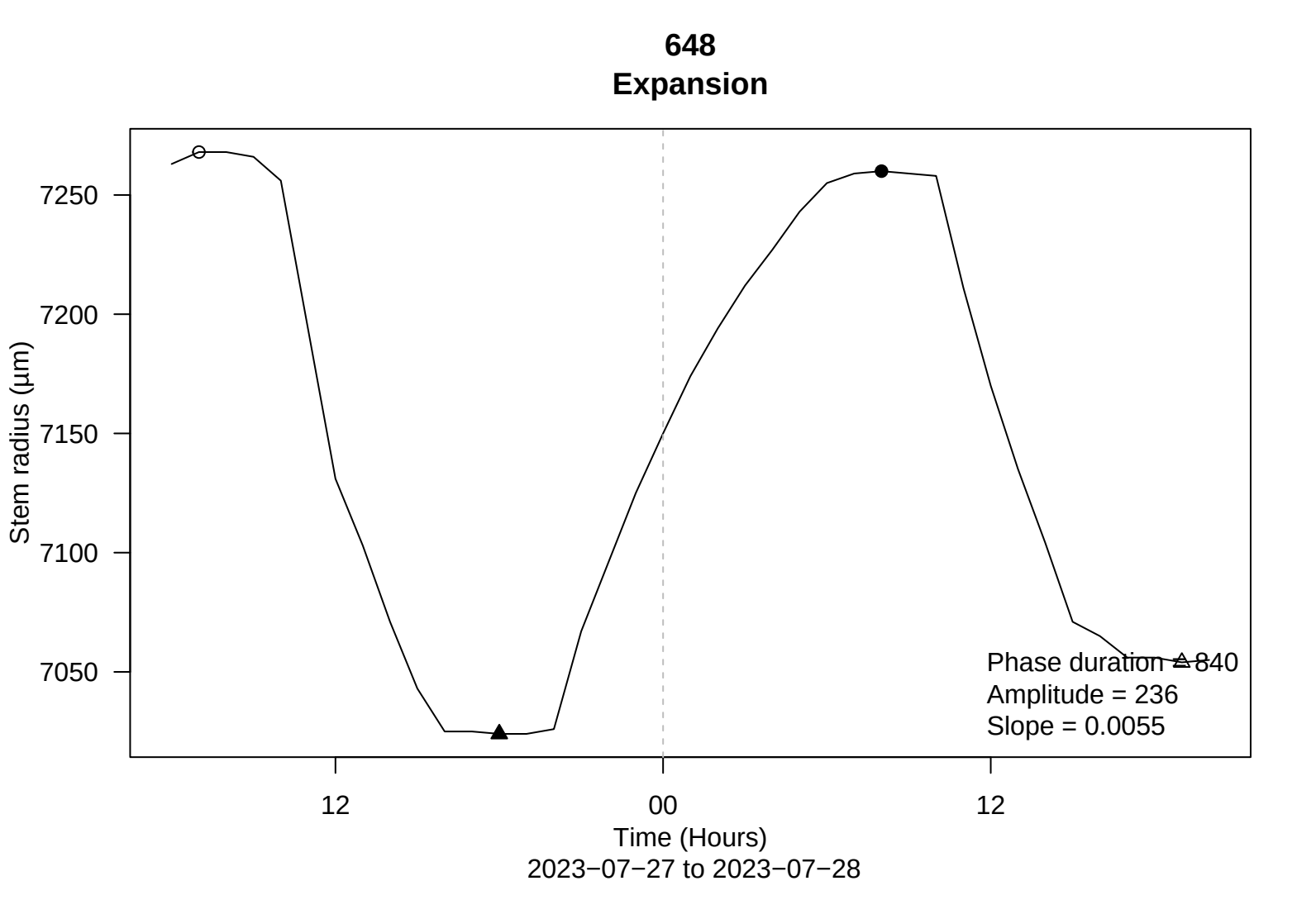

648
Shrinkage
7350
7300
7250
7200
7150
7100
7050
7000
Stem radius (µm)
Phase duration = 540
Amplitude = −339
Slope = −0.0124
00
12
00
Time (Hours)
2023−07−25 to 2023−07−25

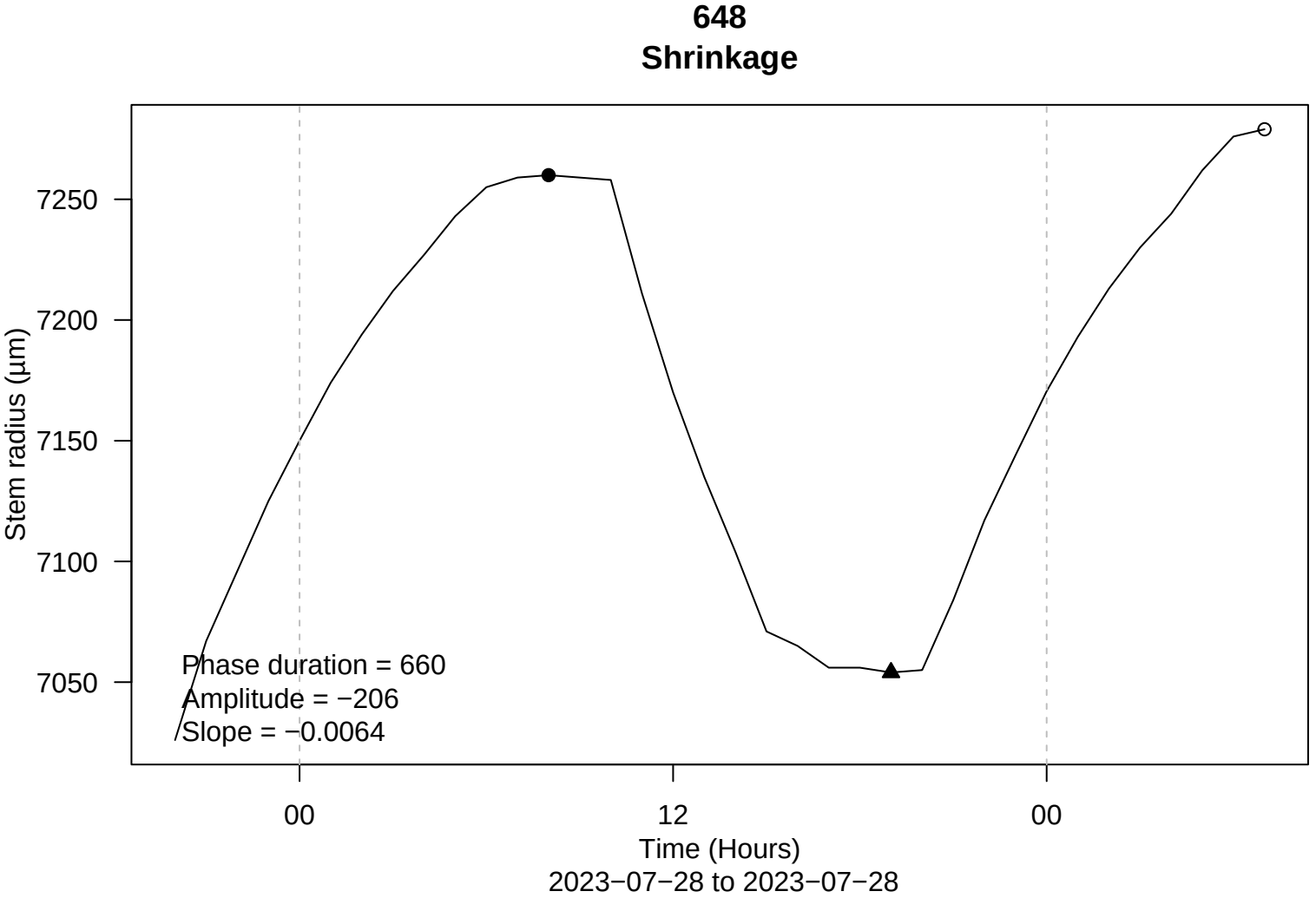

648
Expansion
7350
7300
7250
7200
7150
7100
7050
7000
Stem radius (µm)
Phase duration = 840
Amplitude = 323
Slope = 0.0072
12
00
12
Time (Hours)
2023−07−25 to 2023−07−26

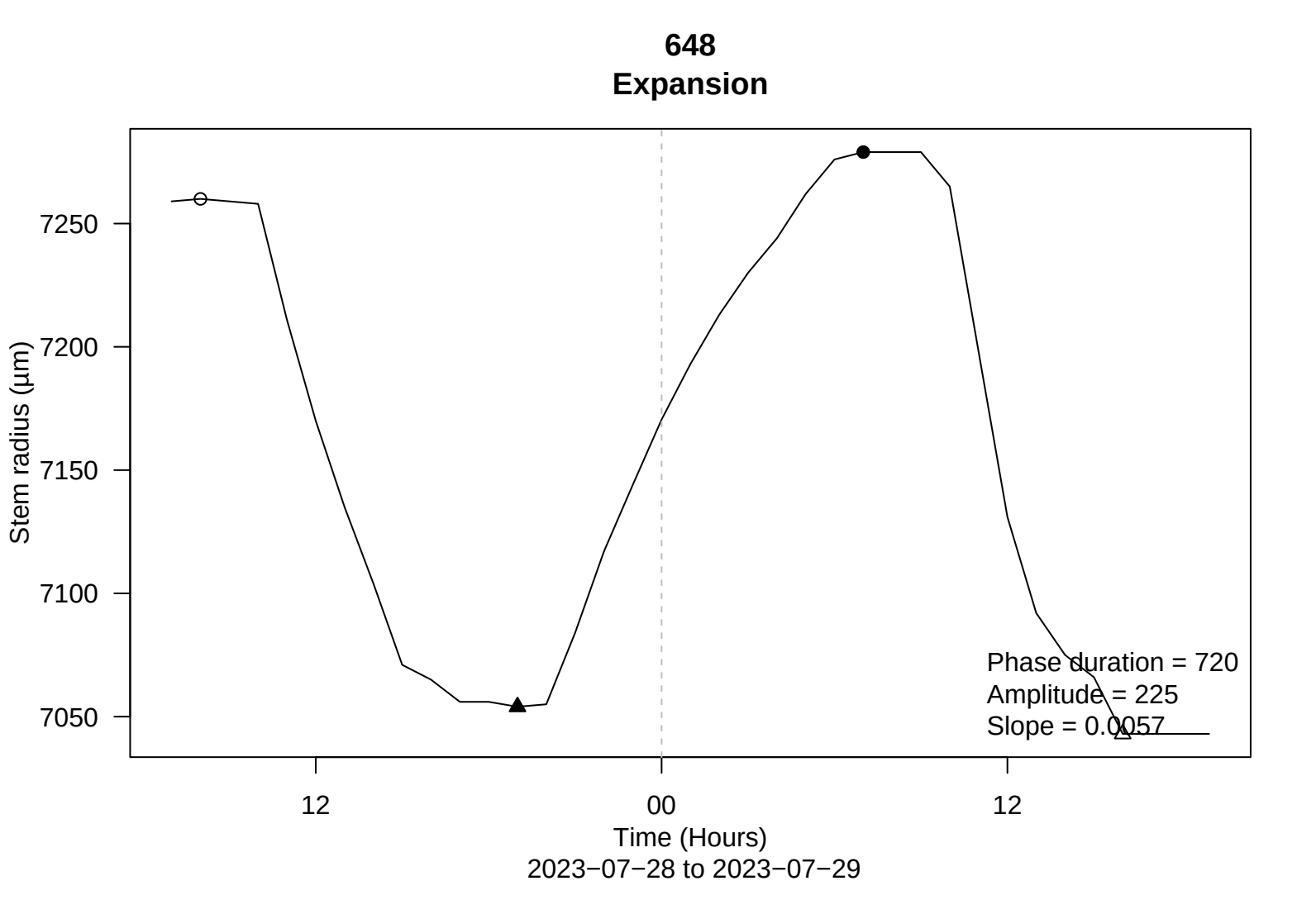

648
Shrinkage
7300
7250
7200
7150
7100
7050
Stem radius (µm)
Phase duration = 780
Amplitude = −251
Slope = −0.0069
00
12
00
Time (Hours)
2023−07−26 to 2023−07−26

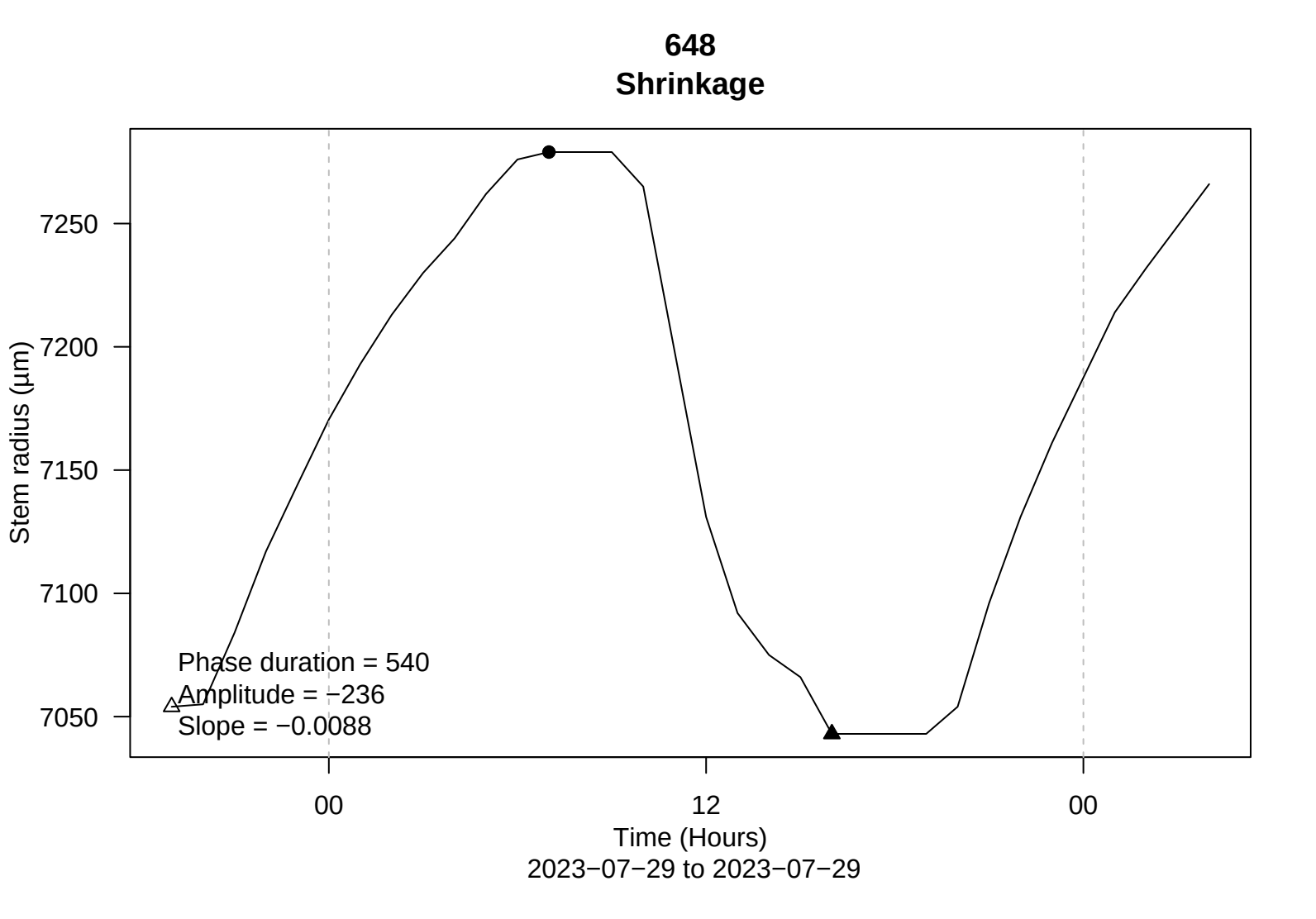

648
Expansion
7300
7250
7200
7150
7100
7050
Stem radius (µm)
Phase duration = 660
Amplitude = 197
Slope = 0.0052
12
00
12
Time (Hours)
2023−07−26 to 2023−07−27

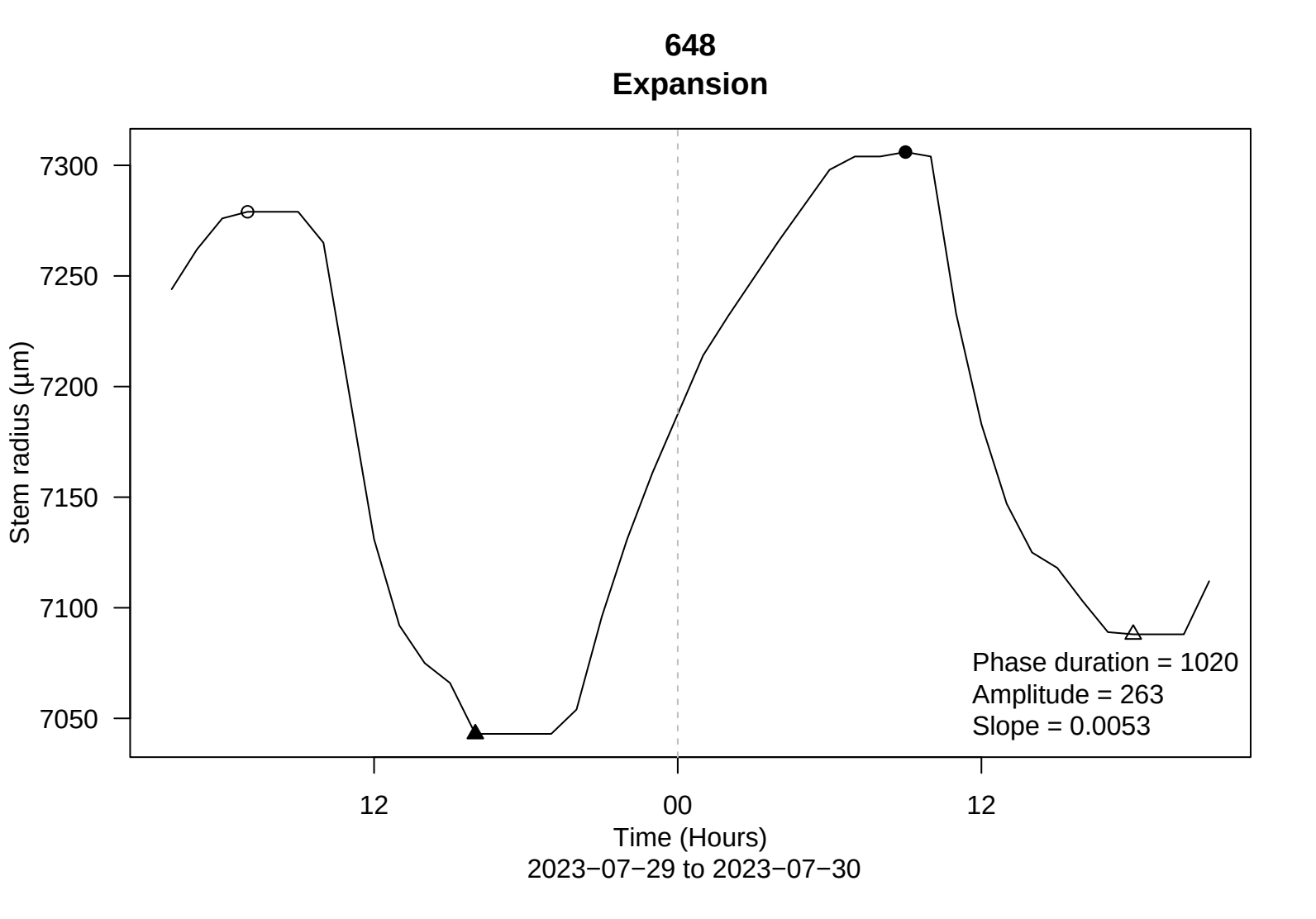

648
Shrinkage
7250
7200
7150
7100
7050
Stem radius (µm)
Phase duration = 660
Amplitude = −244
Slope = −0.0078
00
12
00
Time (Hours)
2023−07−27 to 2023−07−27

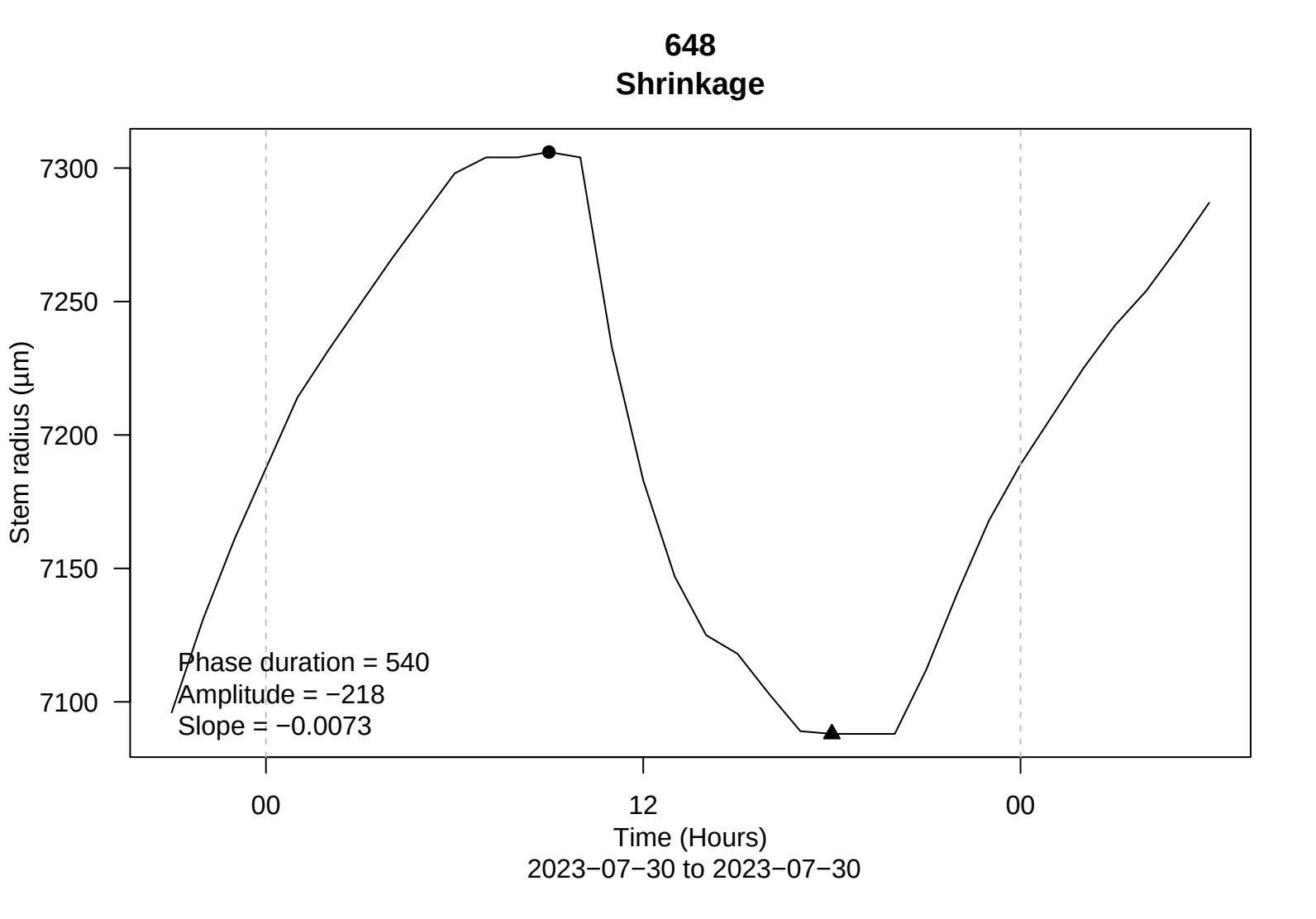

648
Expansion
7250
7200
7150
7100
7050
Stem radius (µm)
12
00
12
Time (Hours)
2023−07−27 to 2023−07−28
Phase duration = 840
Amplitude = 236
Slope = 0.0055

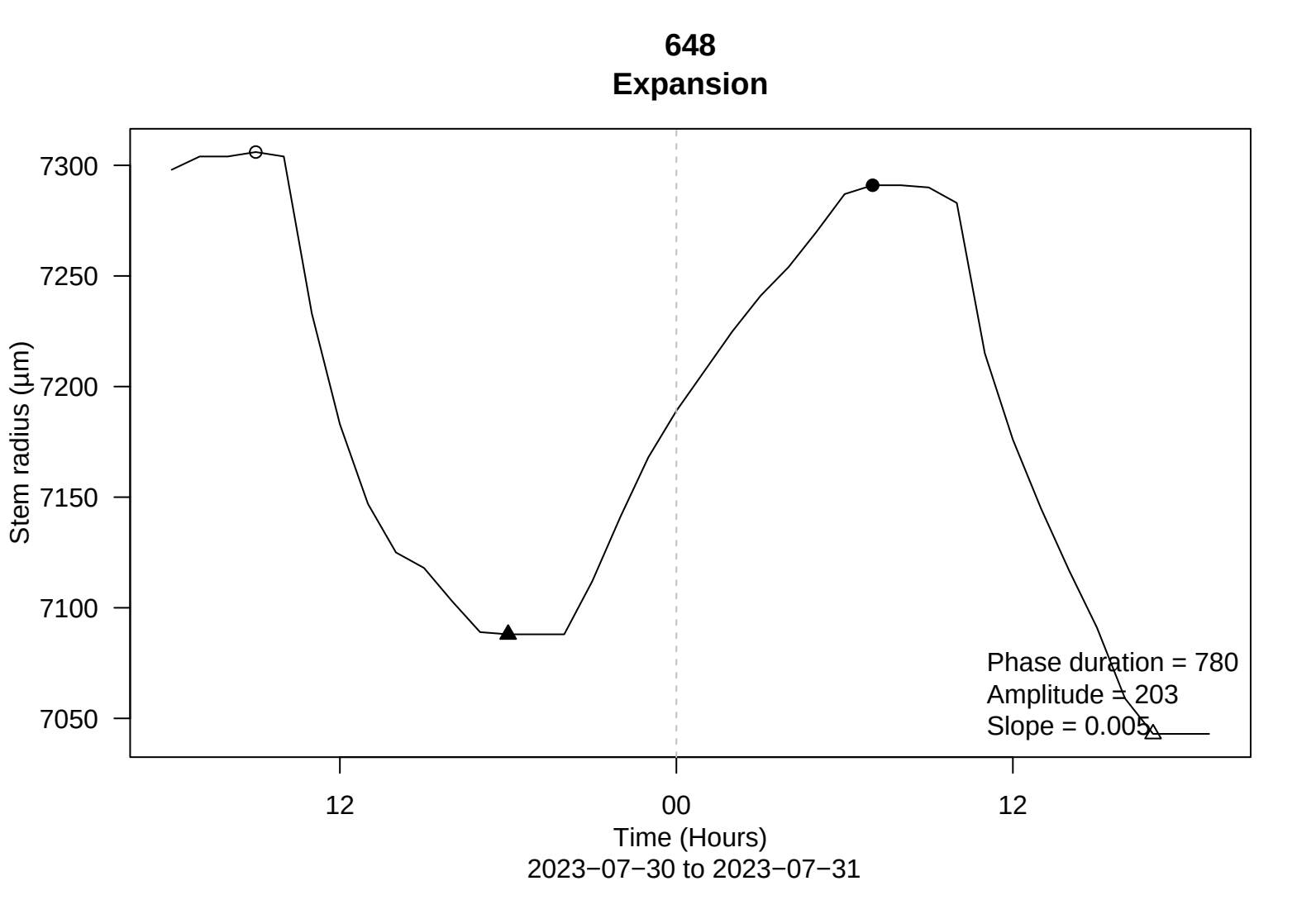

648
Shrinkage
7250
7200
7150
7100
7050
Stem radius (µm)
Phase duration = 660
Amplitude = −206
Slope = −0.0064
00
12
00
Time (Hours)
2023−07−28 to 2023−07−28

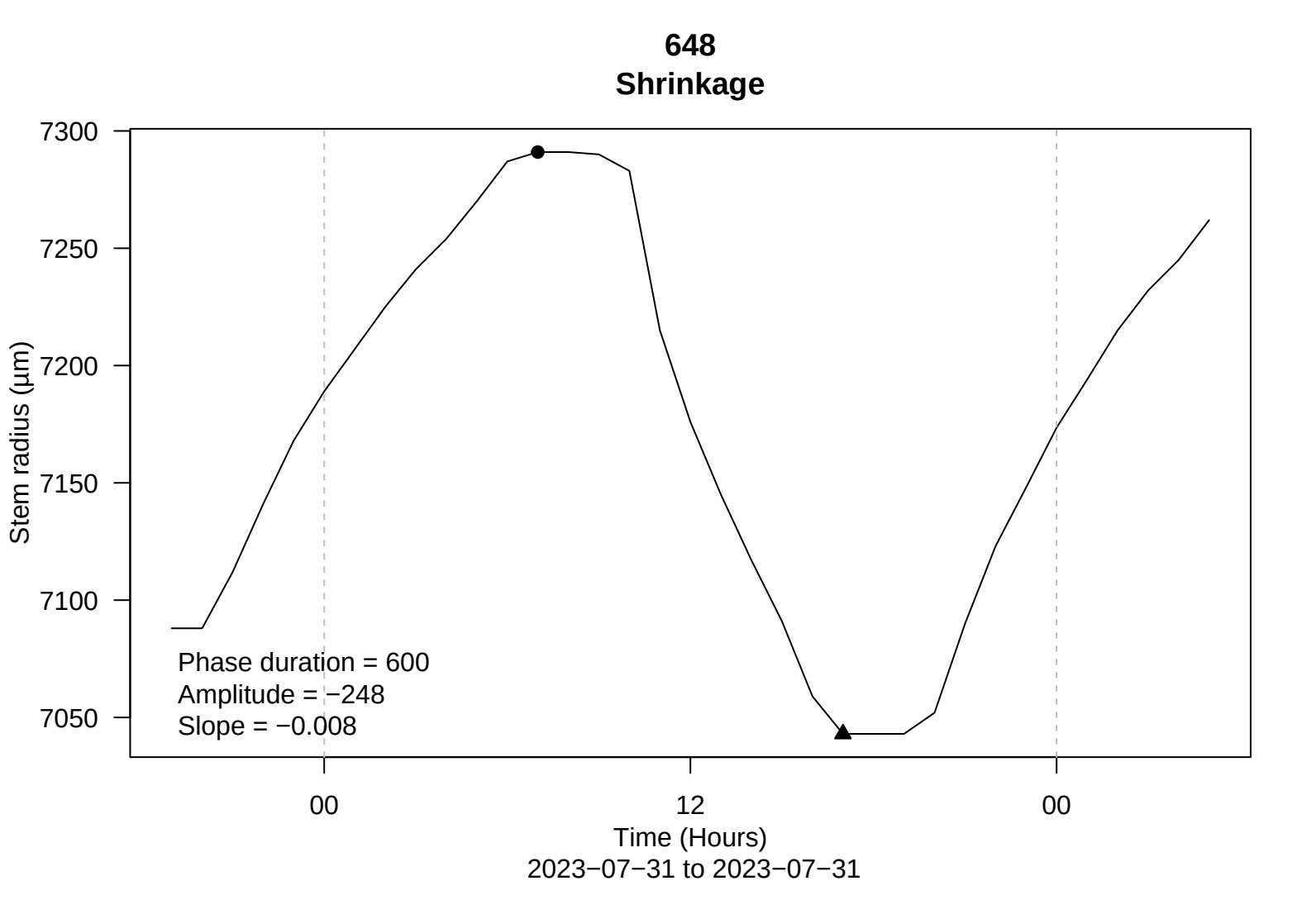

648
Expansion
7250
7200
7150
7100
7050
Stem radius (µm)
12
00
12
Time (Hours)
2023−07−28 to 2023−07−29
Phase duration = 720
Amplitude = 225
Slope = 0.0057

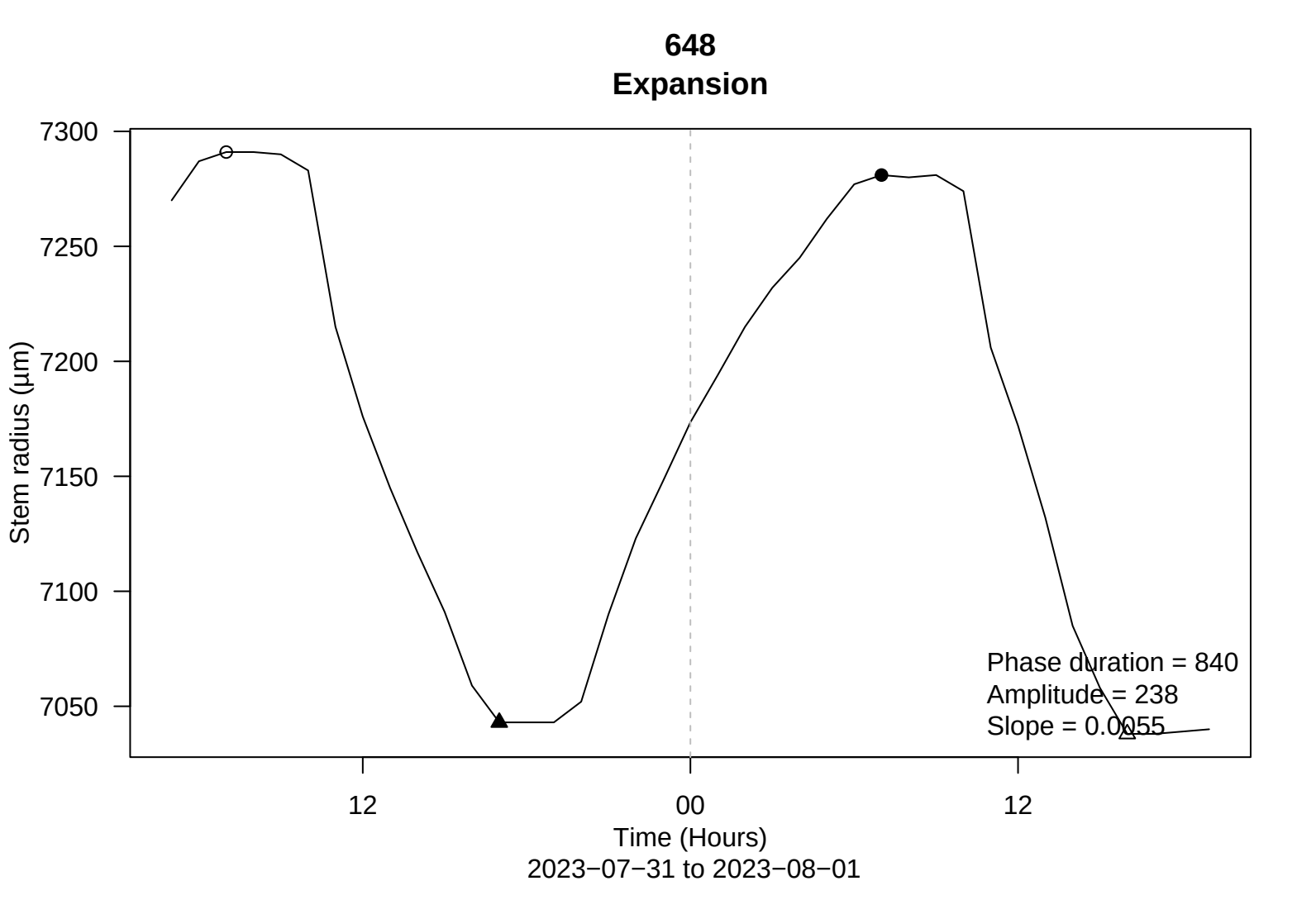

648
Shrinkage
Stem radius (µm)
7250
7200
7150
7100
7050
Phase duration = 540
Amplitude = −236
Slope = −0.0088
00
12
00
Time (Hours)
2023−07−29 to 2023−07−29

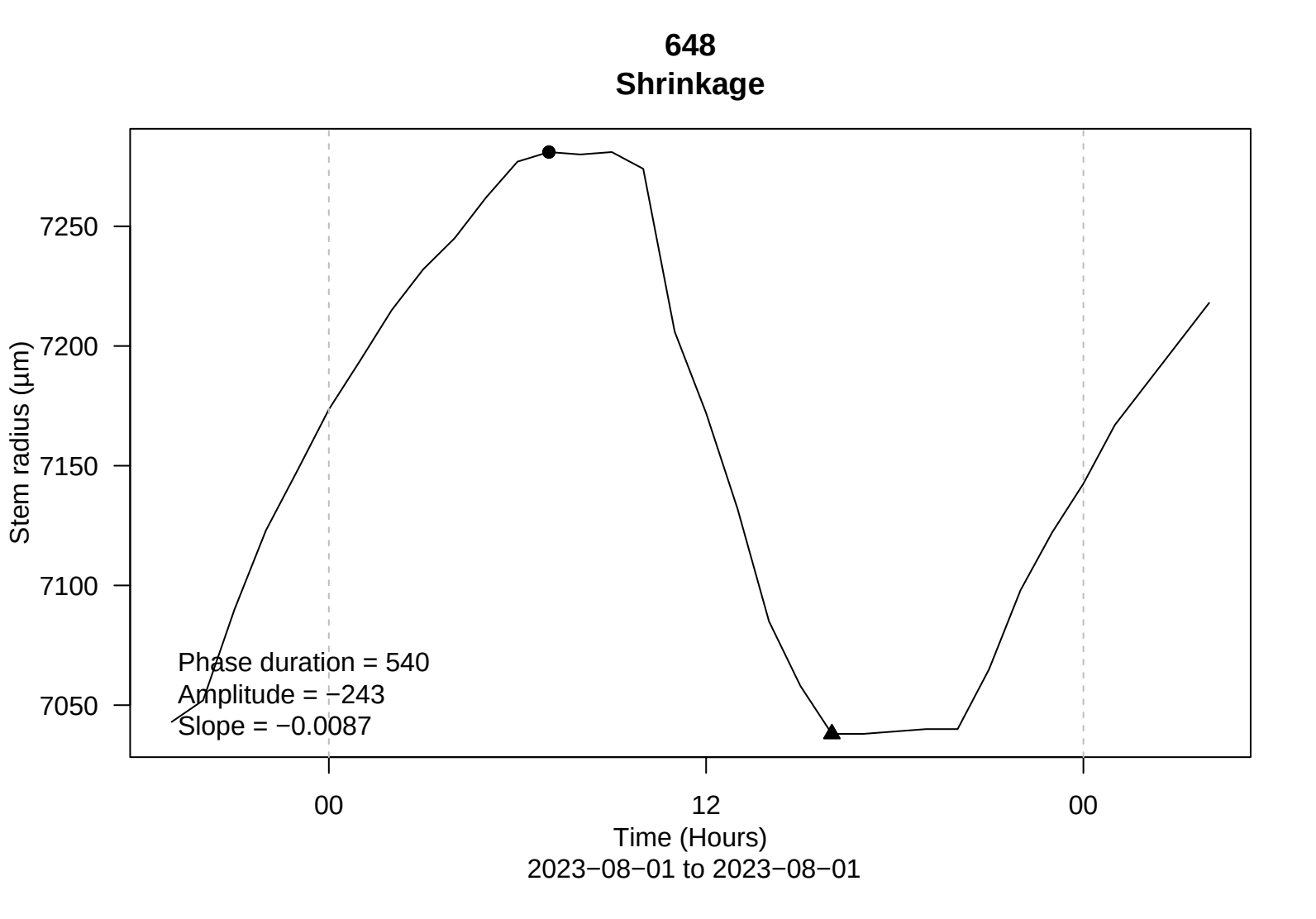

648
Expansion
7300
7250
7200
7150
7100
7050
Stem radius (µm)
12
00
12
Time (Hours)
2023−07−29 to 2023−07−30
Phase duration = 1020
Amplitude = 263
Slope = 0.0053

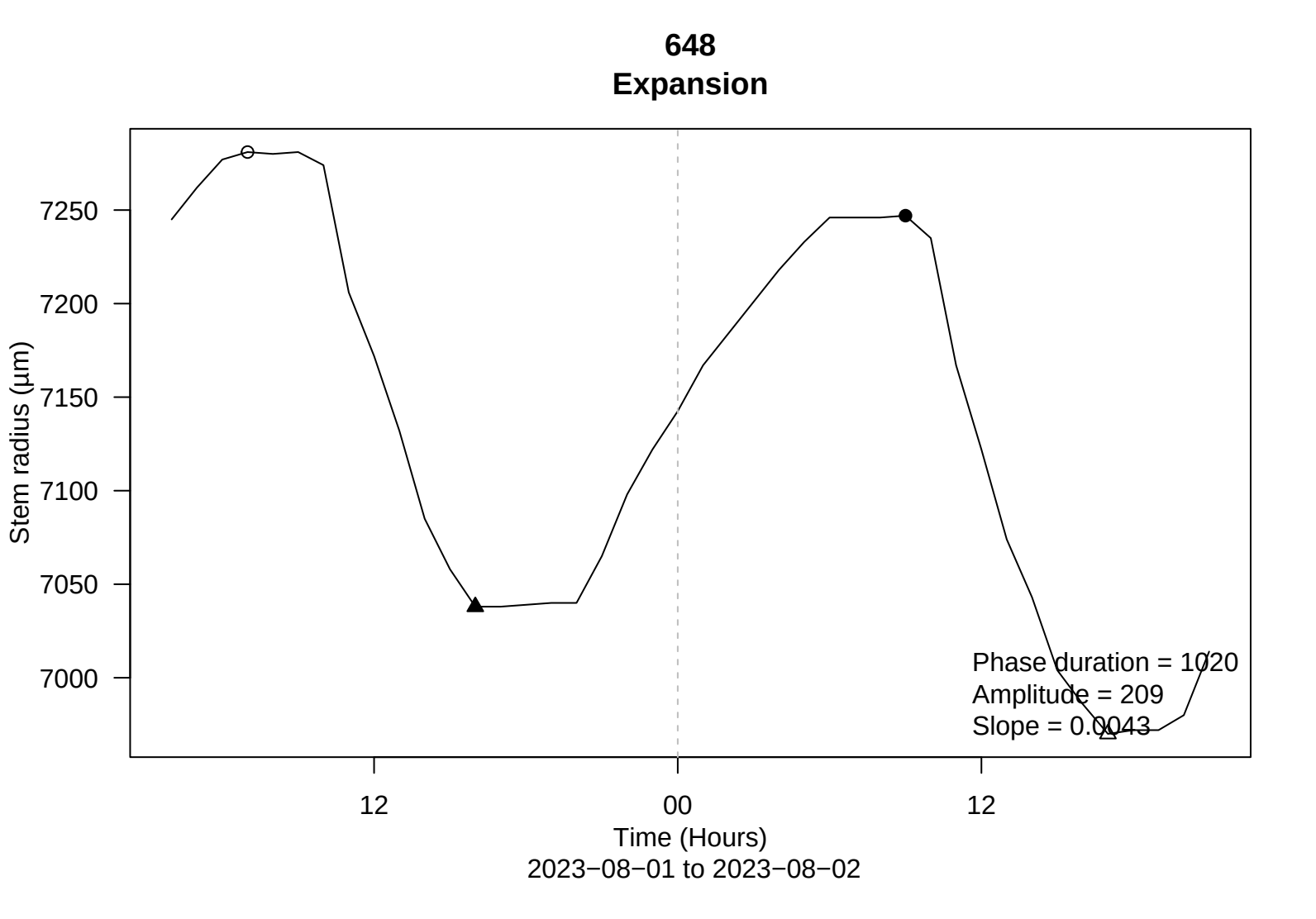

648
Shrinkage
7300
7250
7200
7150
7100
Stem radius (µm)
Phase duration = 540
Amplitude = −218
Slope = −0.0073
00
12
00
Time (Hours)
2023−07−30 to 2023−07−30

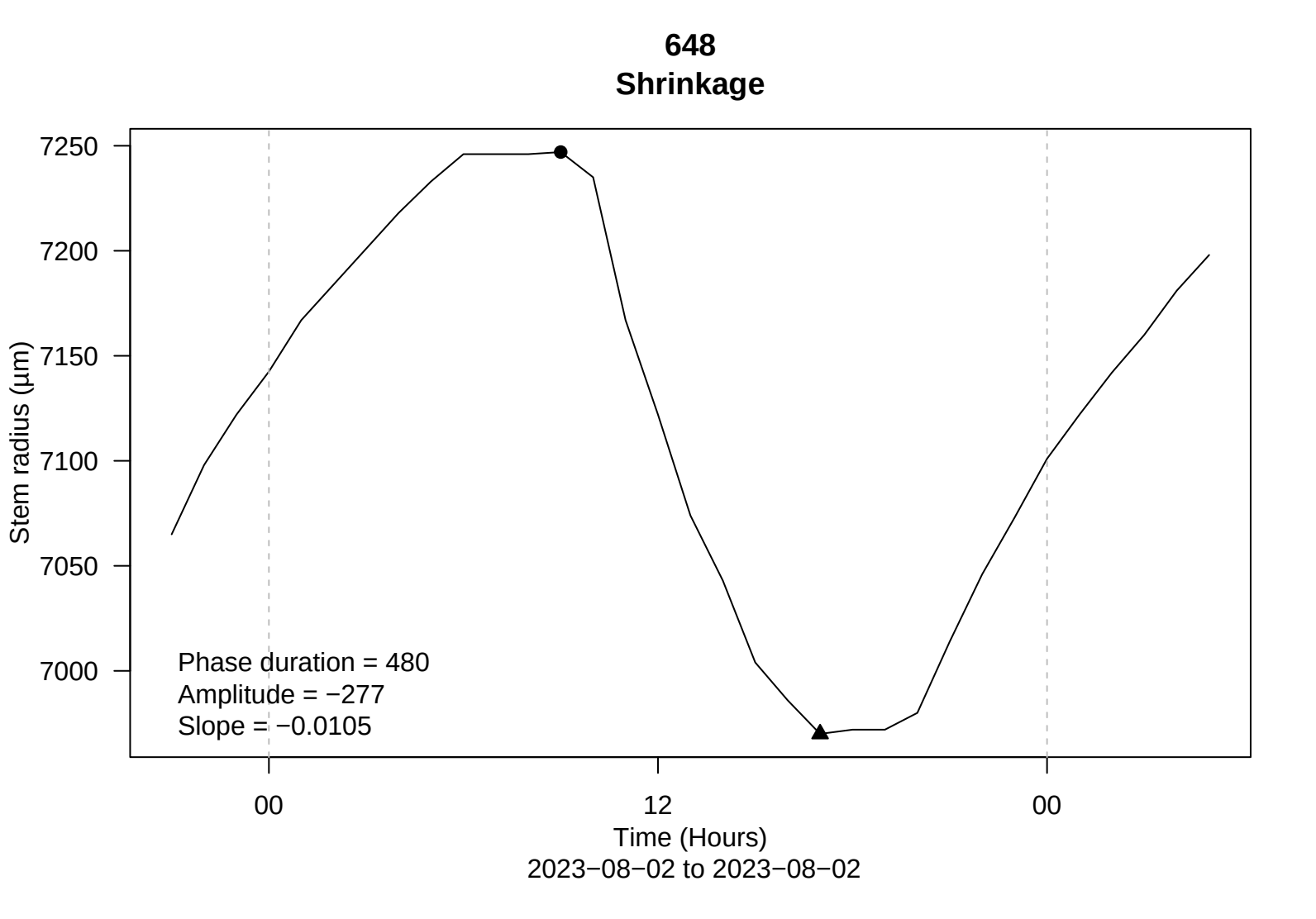

648
Expansion
7300
7250
7200
7150
7100
7050
Stem radius (µm)
Phase duration = 780
Amplitude = 203
Slope = 0.005
12
00
12
Time (Hours)
2023−07−30 to 2023−07−31

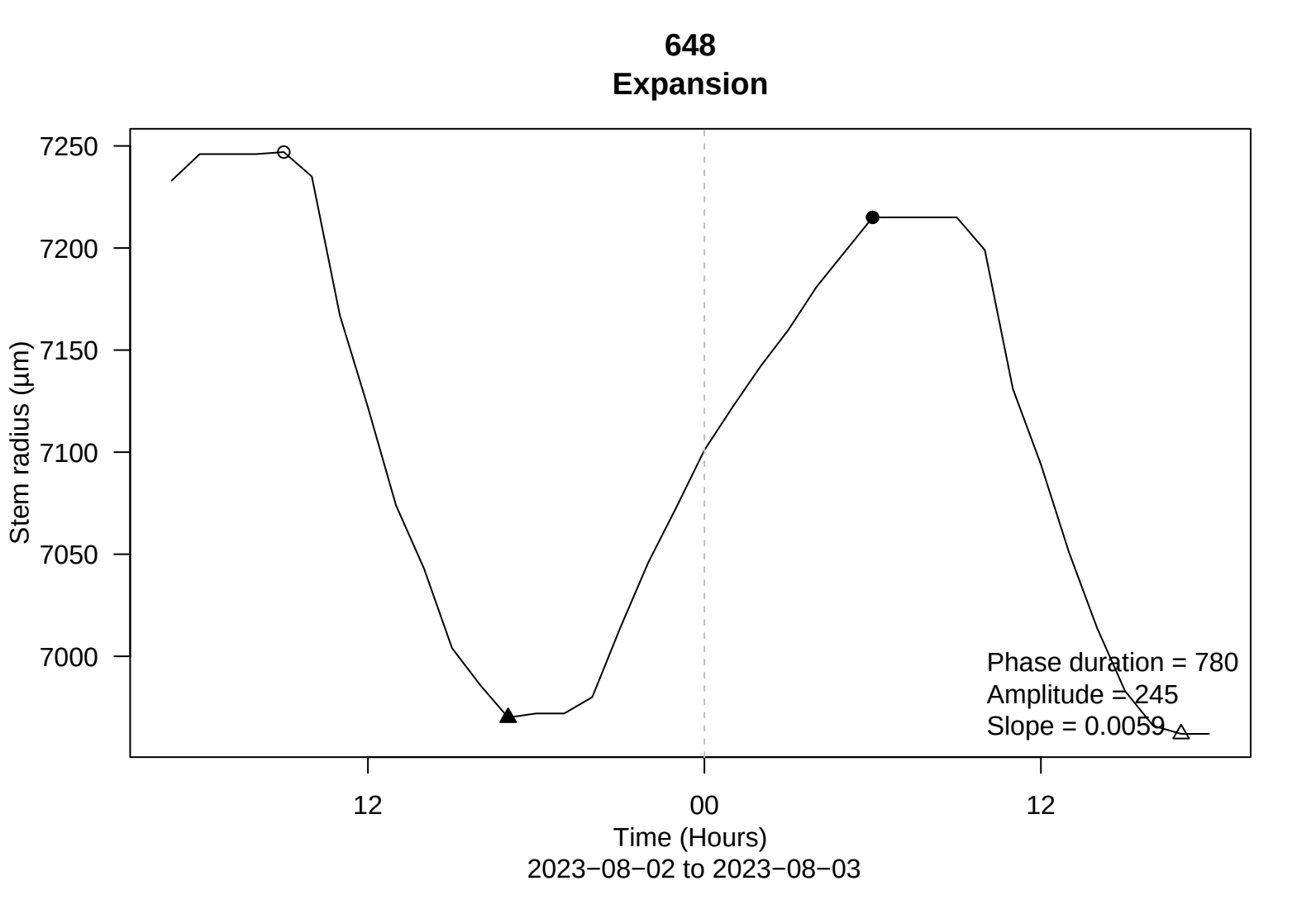

648
Shrinkage
7300
7250
7200
7150
7100
7050
Stem radius (µm)
Phase duration = 600
Amplitude = −248
Slope = −0.008
00
12
00
Time (Hours)
2023−07−31 to 2023−07−31

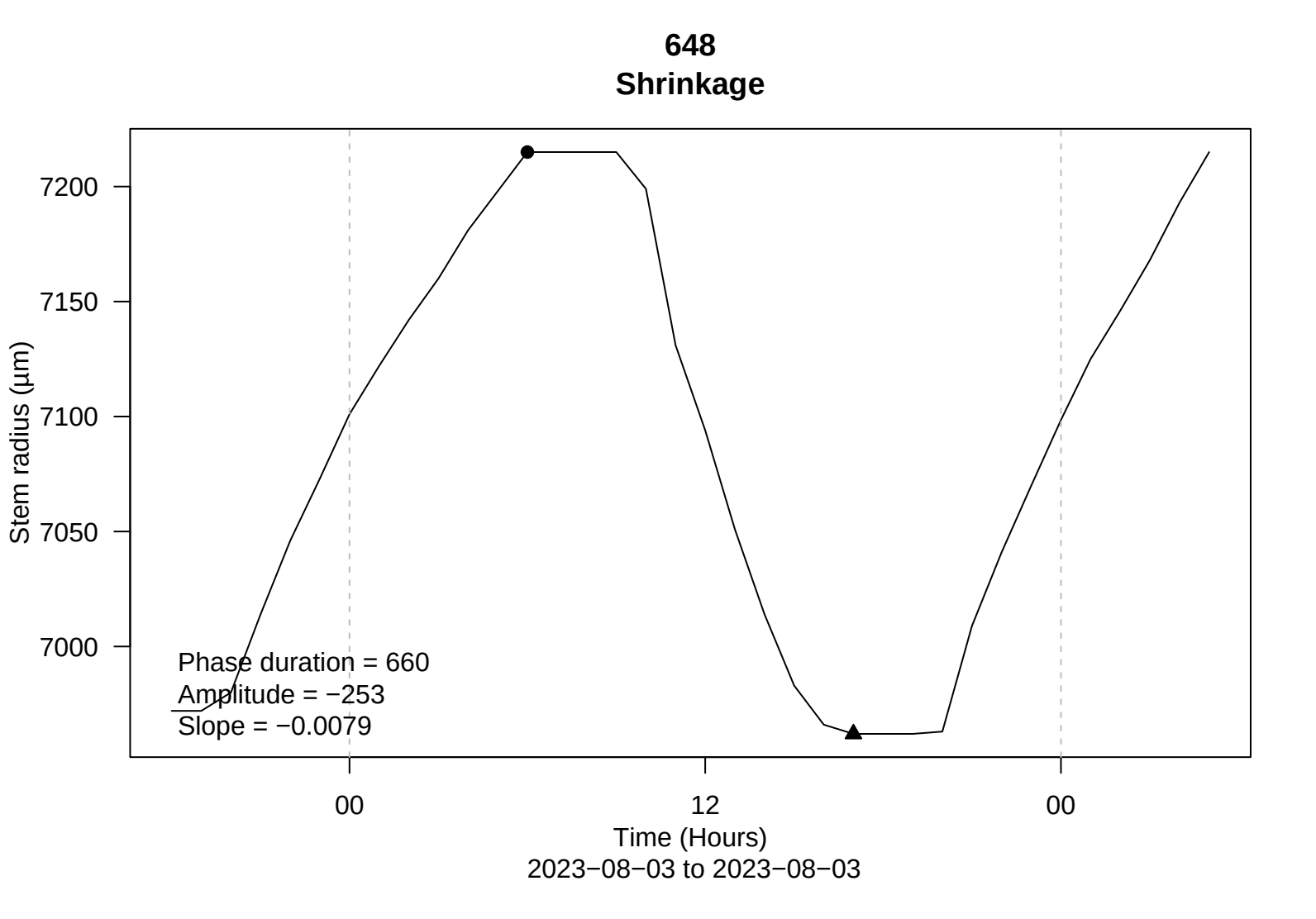

648
Expansion
7300
7250
7200
7150
7100
7050
Stem radius (µm)
12
00
12
Time (Hours)
2023−07−31 to 2023−08−01
Phase duration = 840
Amplitude = 238
Slope = 0.0055

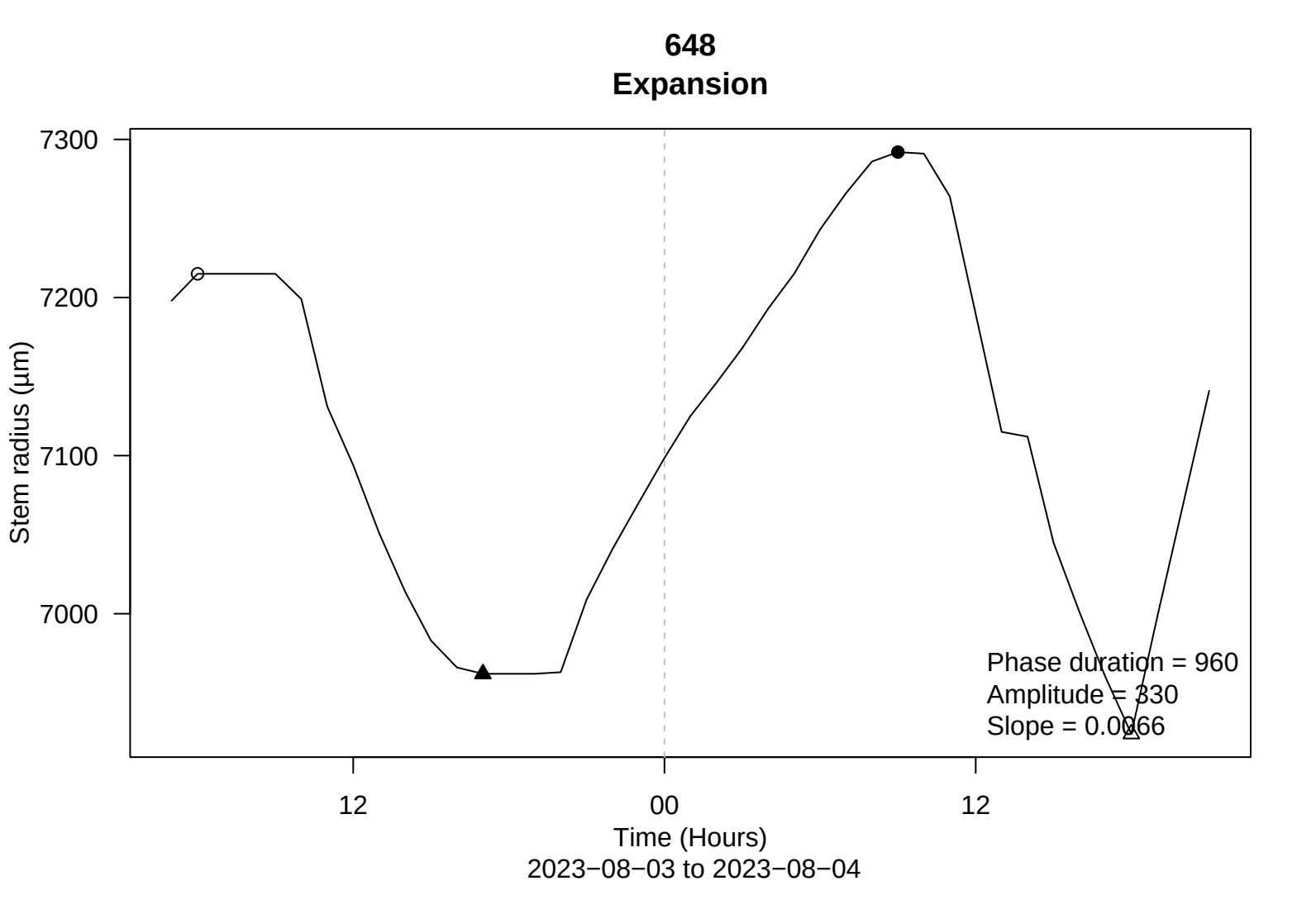

648
Shrinkage
7250
7200
7150
7100
7050
Stem radius (µm)
Phase duration = 540
Amplitude = −243
Slope = −0.0087
00
12
00
Time (Hours)
2023−08−01 to 2023−08−01

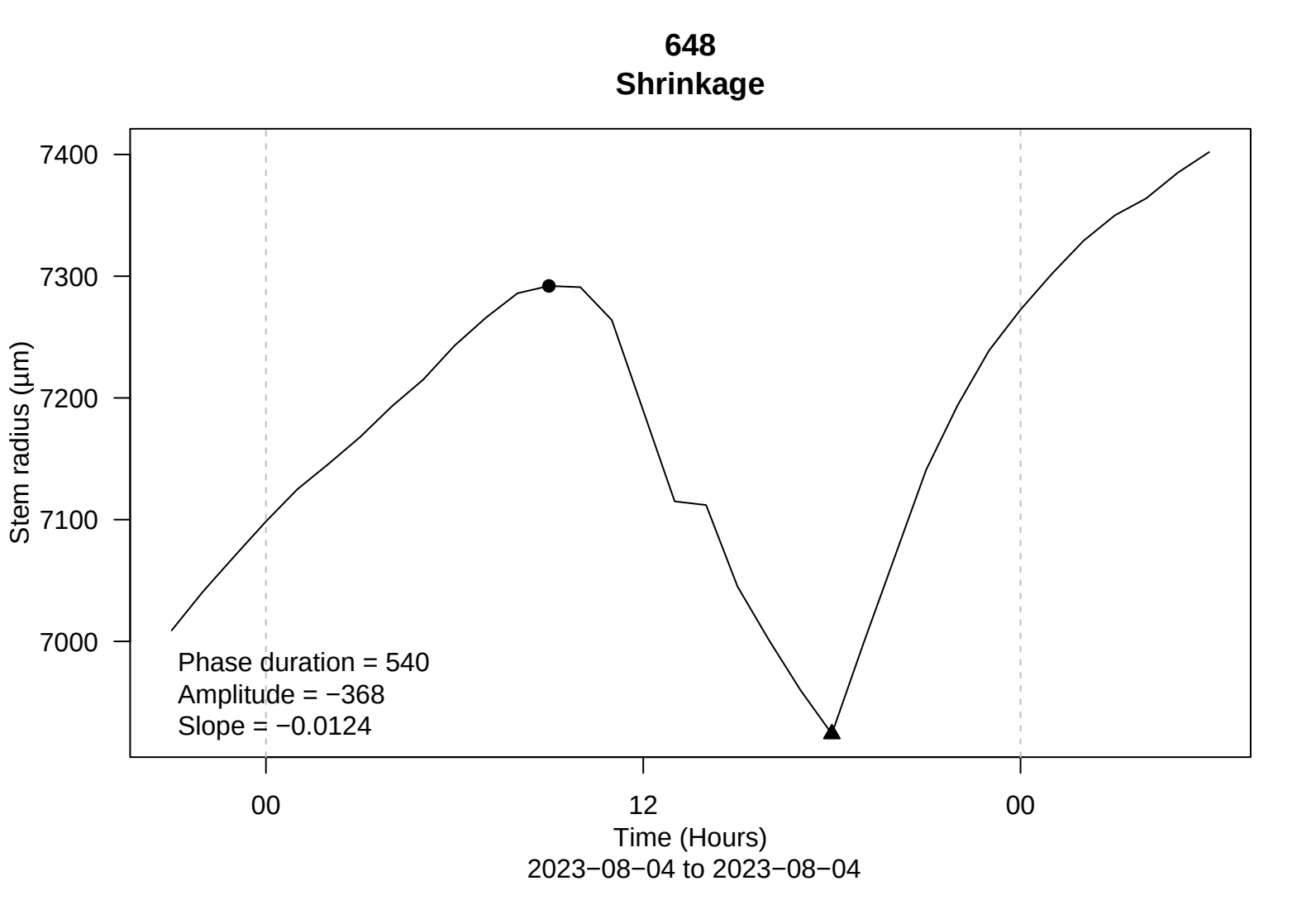

648
Expansion
7250
7200
7150
7100
7050
7000
Stem radius (µm)
Phase duration = 1020
Amplitude = 209
Slope = 0.0043
12
00
12
Time (Hours)
2023−08−01 to 2023−08−02

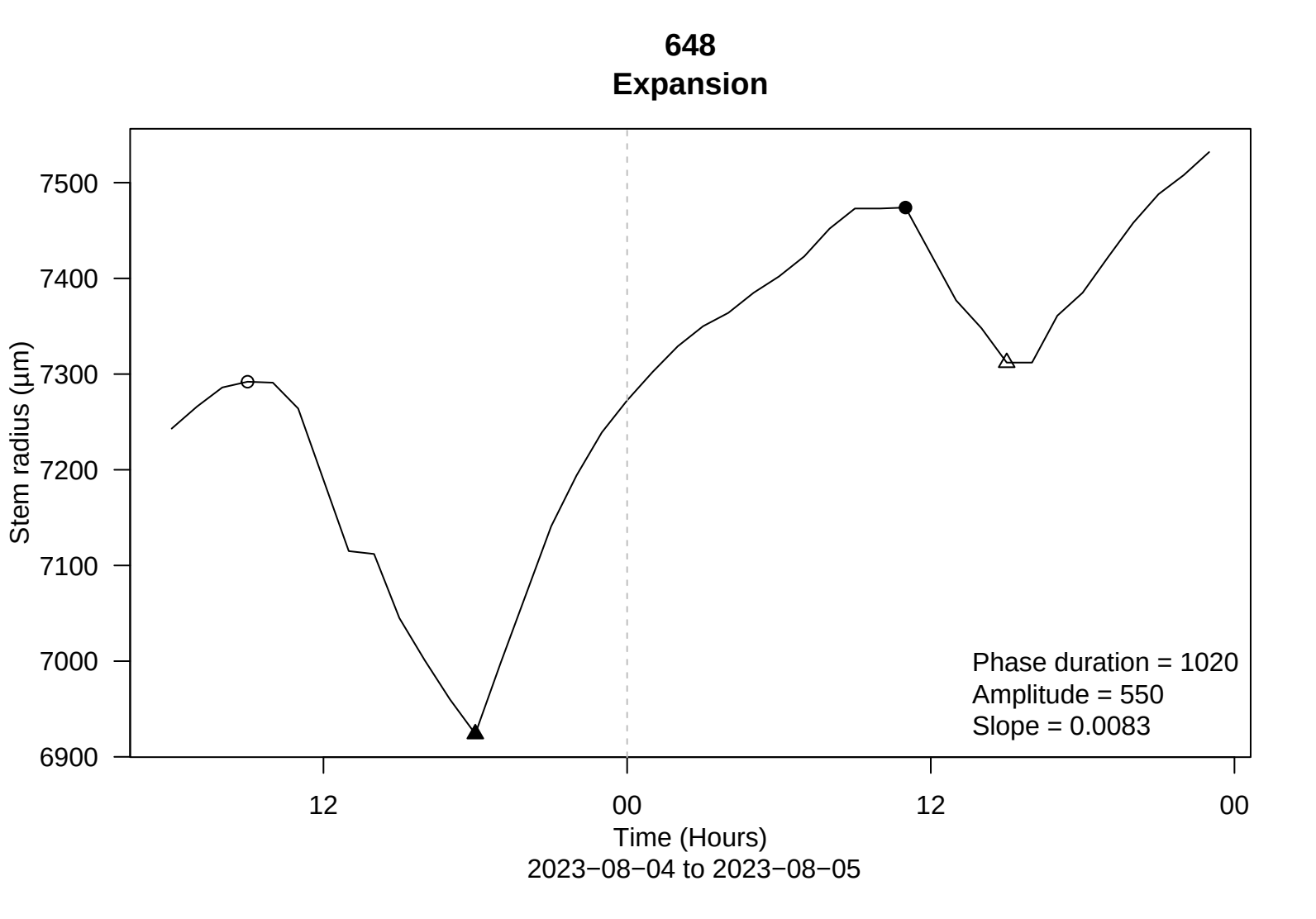

648
Shrinkage
7250
7200
7150
7100
7050
7000
Stem radius (µm)
Phase duration = 480
Amplitude = −277
Slope = −0.0105
00
12
00
Time (Hours)
2023−08−02 to 2023−08−02

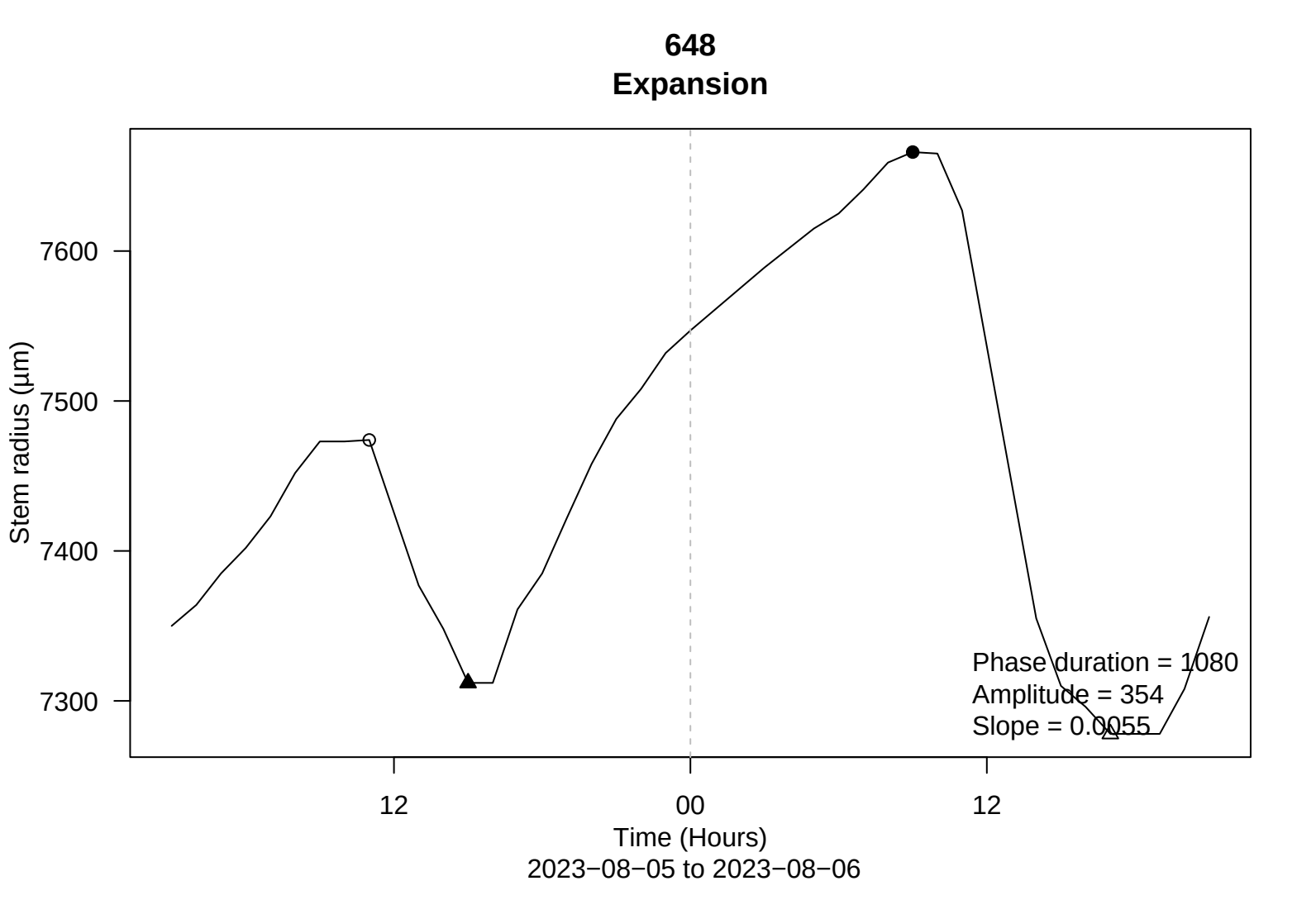

648
Expansion
7250
7200
7150
7100
7050
7000
Stem radius (µm)
Phase duration = 780
Amplitude = 245
Slope = 0.0059
12
00
12
Time (Hours)
2023−08−02 to 2023−08−03

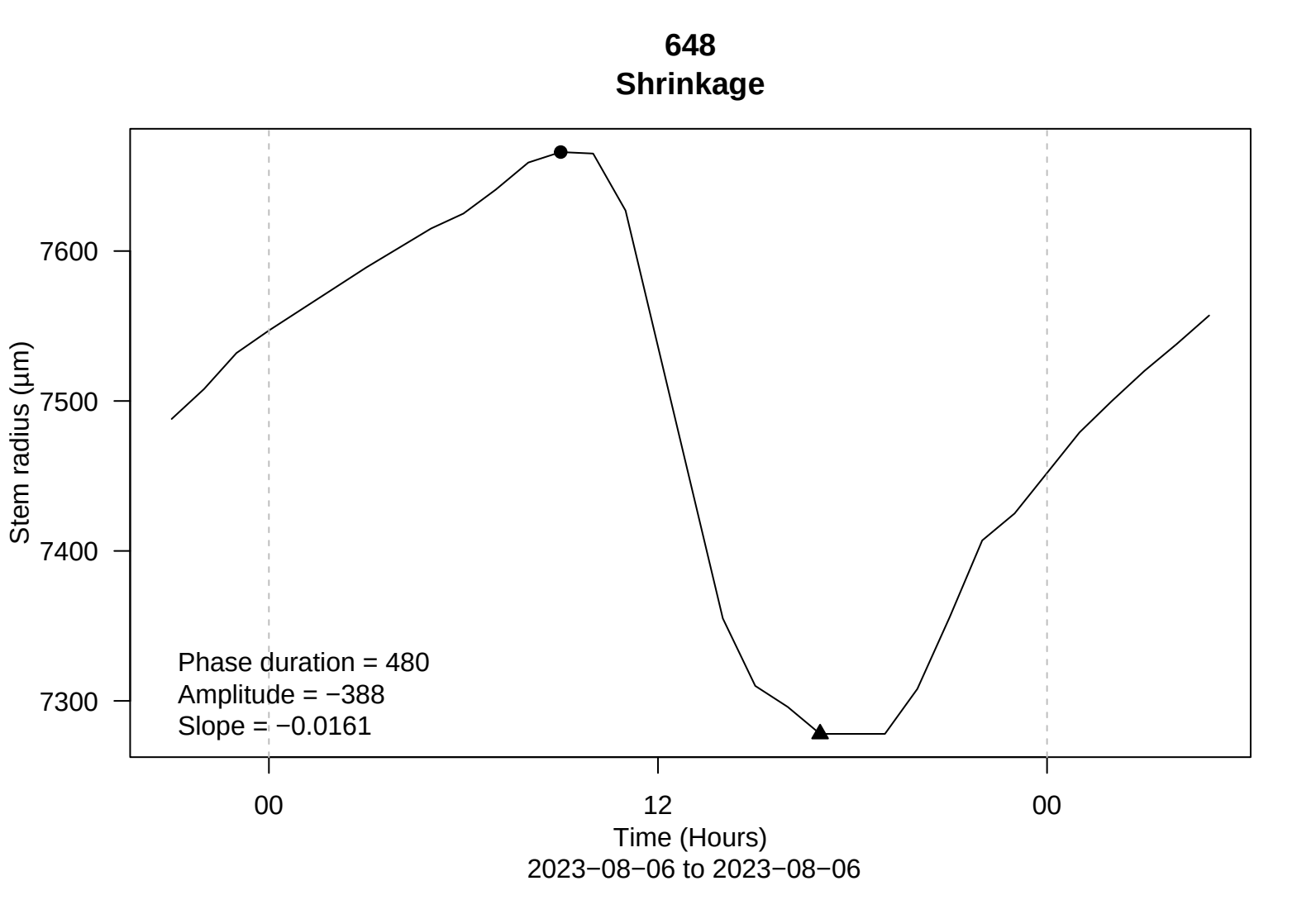

648
Shrinkage
7200
7150
7100
7050
7000
Stem radius (µm)
Phase duration = 660
Amplitude = −253
Slope = −0.0079
00
12
00
Time (Hours)
2023−08−03 to 2023−08−03

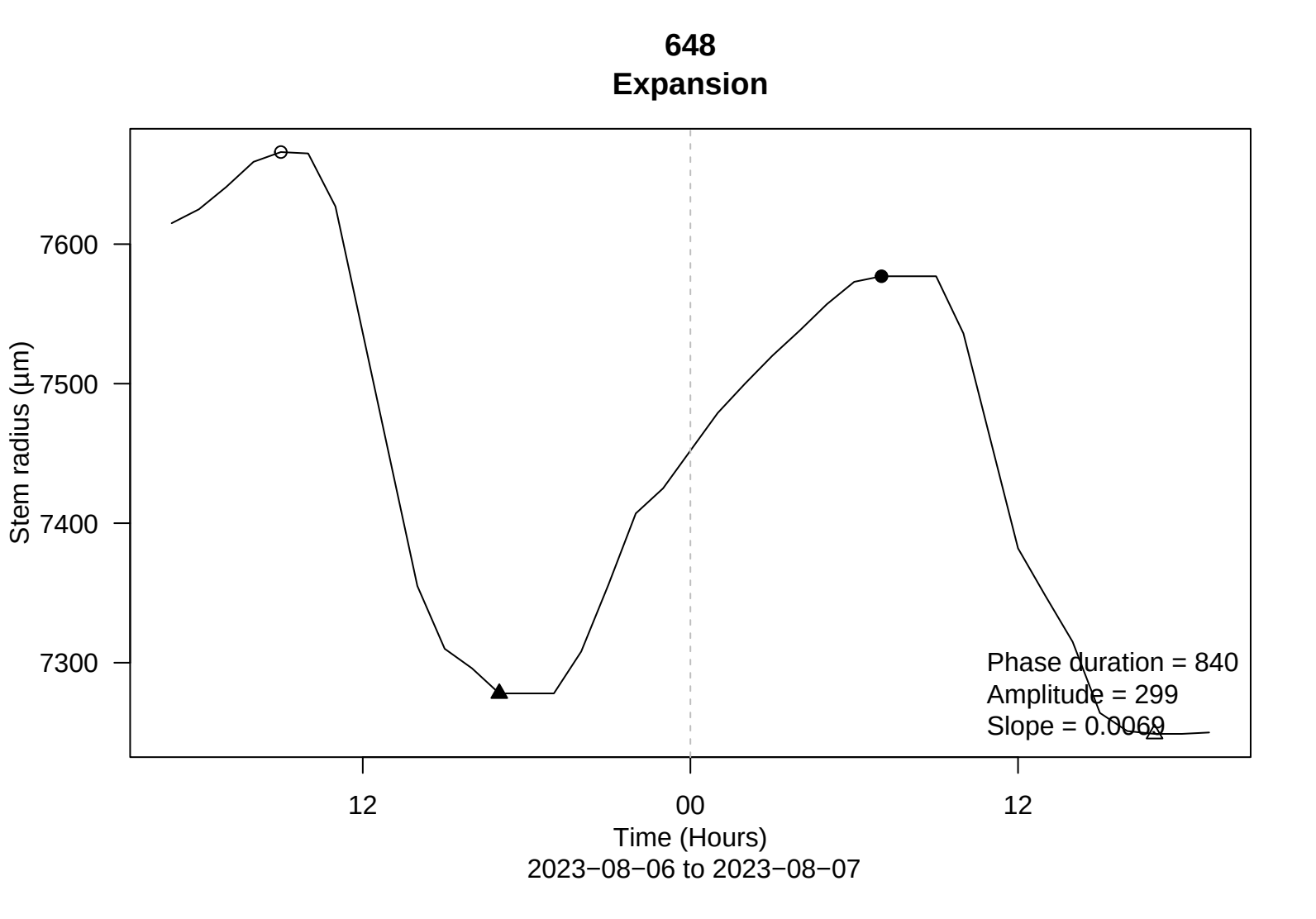

648
Expansion
7300
7200
7100
7000
Stem radius (µm)
Phase duration = 960
Amplitude = 330
Slope = 0.0966
12
00
12
Time (Hours)
2023−08−03 to 2023−08−04

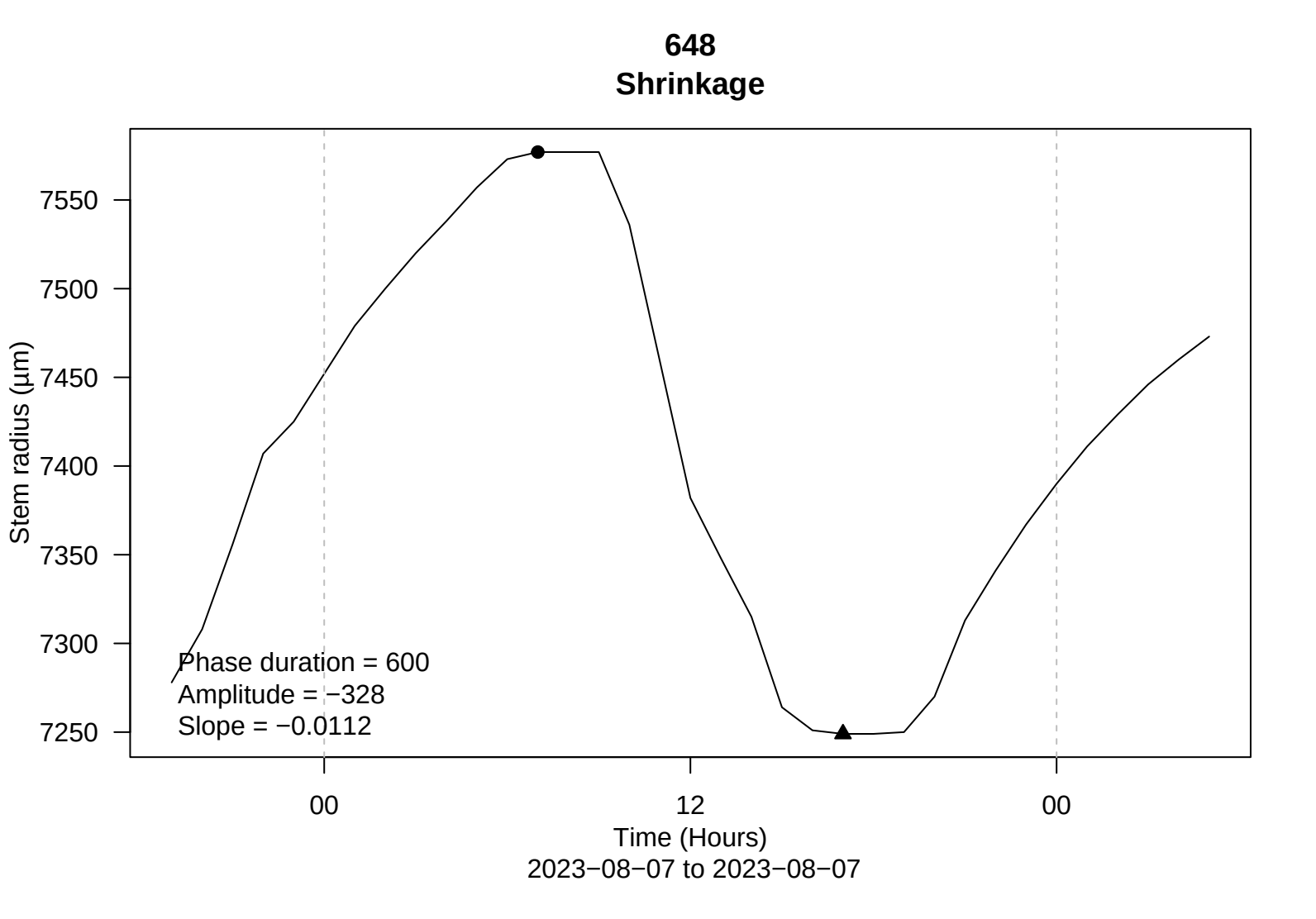

648
Shrinkage
7400
7300
7200
7100
7000
Stem radius (µm)
Phase duration = 540
Amplitude = −368
Slope = −0.0124
00
12
00
Time (Hours)
2023−08−04 to 2023−08−04

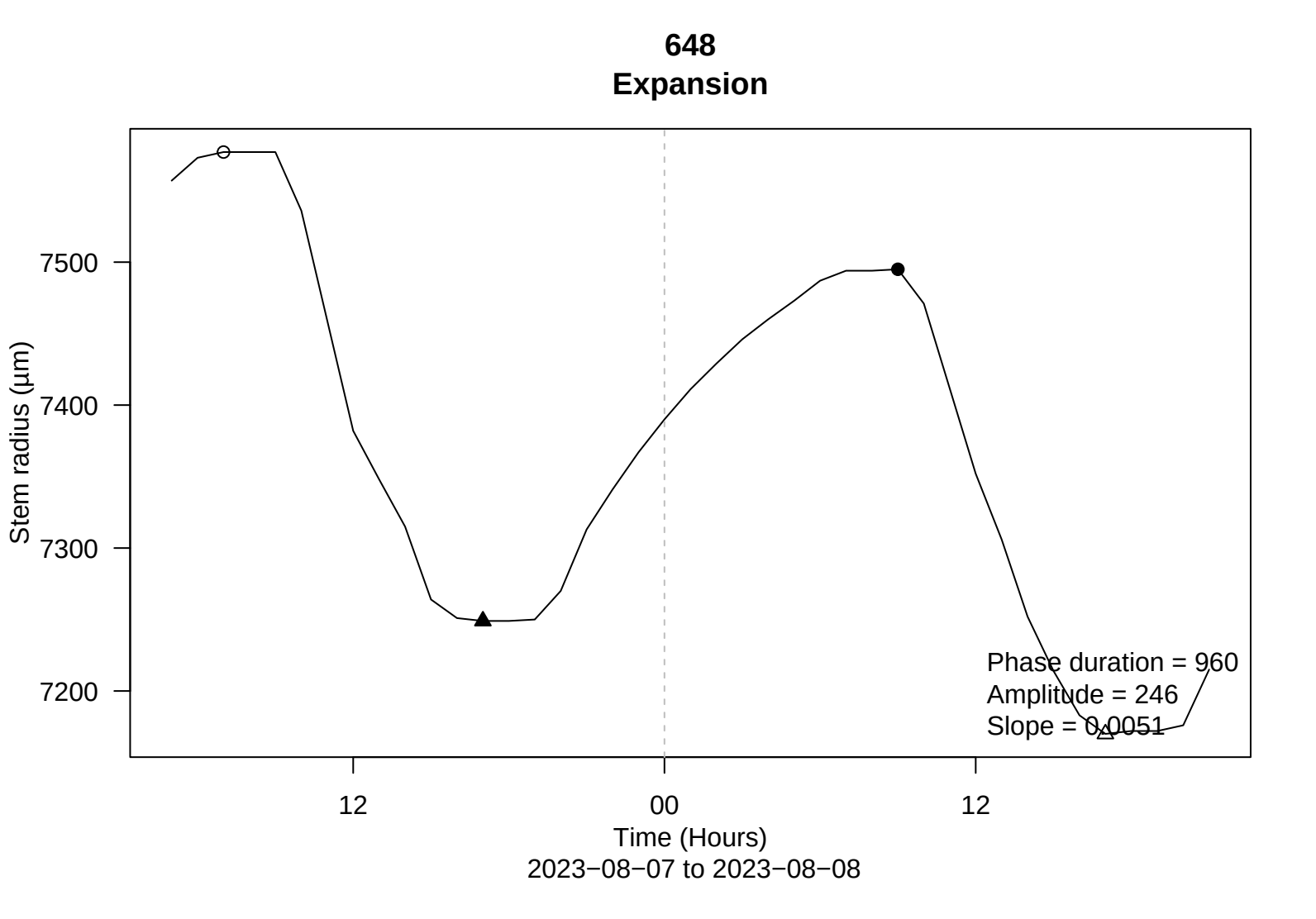

648
Expansion
Stem radius (µm)
7500
7400
7300
7200
7100
7000
6900
12
00
12
00
Time (Hours)
2023−08−04 to 2023−08−05
Phase duration = 1020
Amplitude = 550
Slope = 0.0083

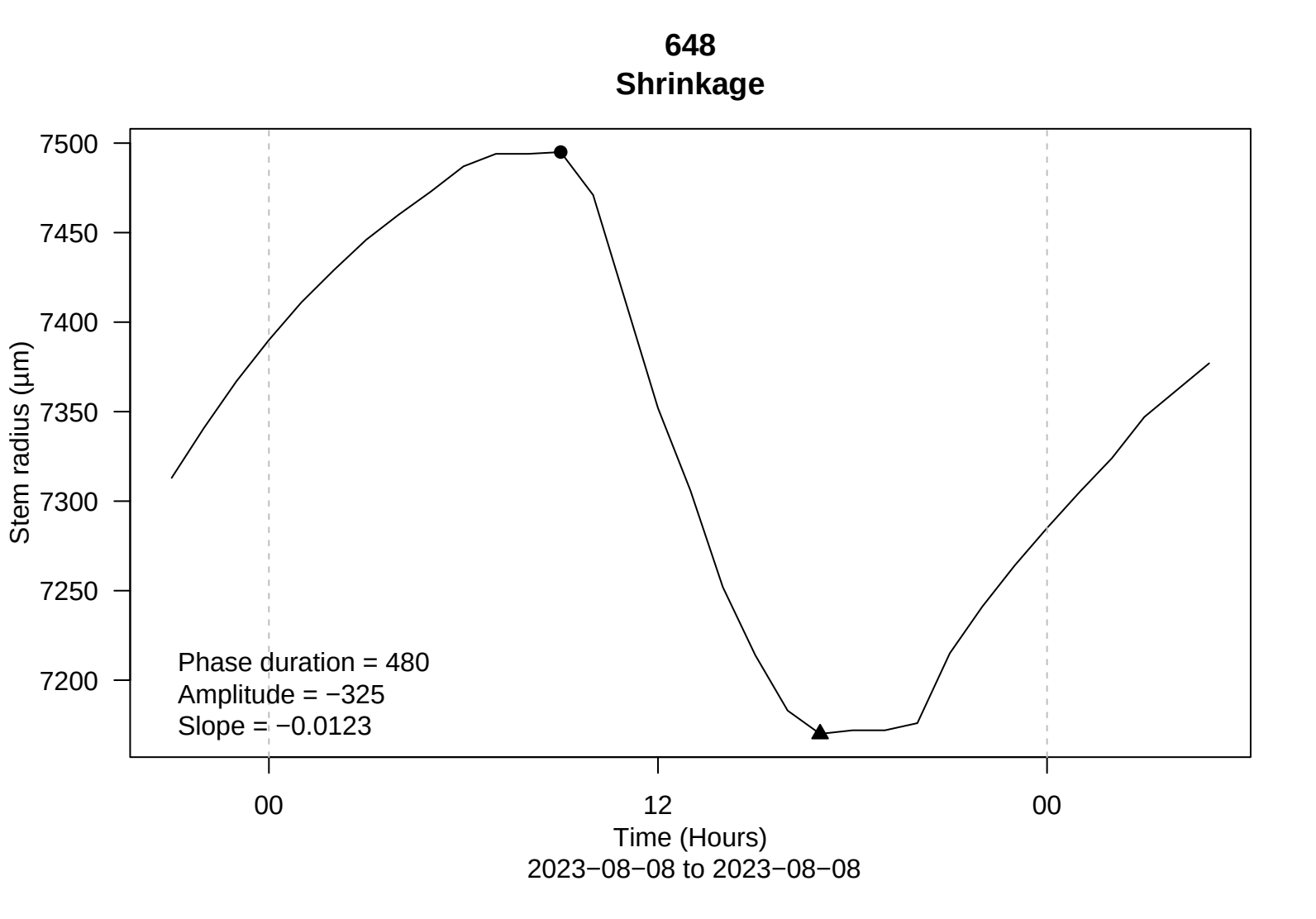

648
Expansion
7600
7500
7400
7300
Stem radius (µm)
12
00
12
Time (Hours)
2023−08−05 to 2023−08−06
Phase duration = 1080
Amplitude = 354
Slope = 0.0055

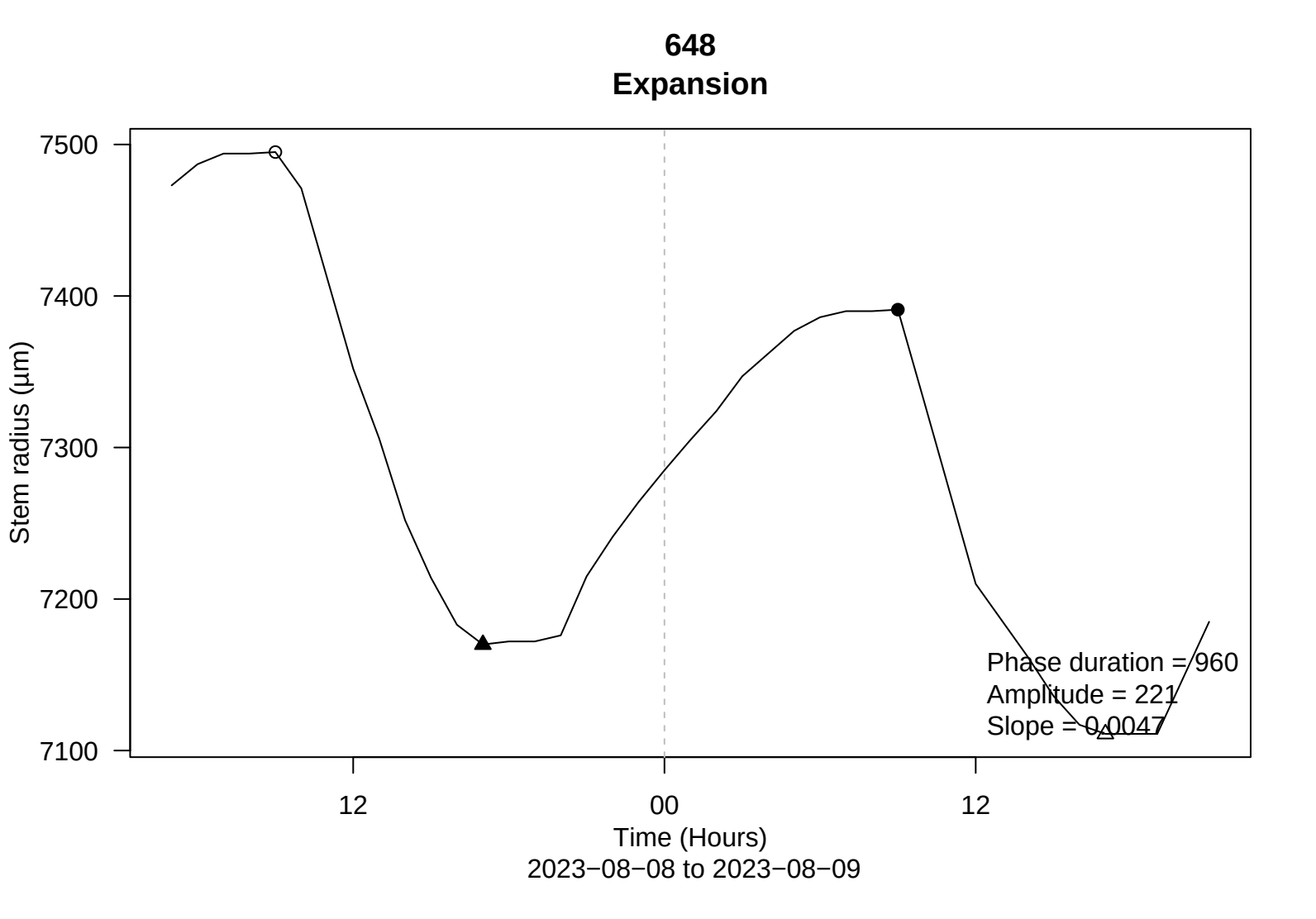

648
Shrinkage
7600
7500
7400
7300
Stem radius (µm)
Phase duration = 480
Amplitude = −388
Slope = −0.0161
00
12
00
Time (Hours)
2023−08−06 to 2023−08−06

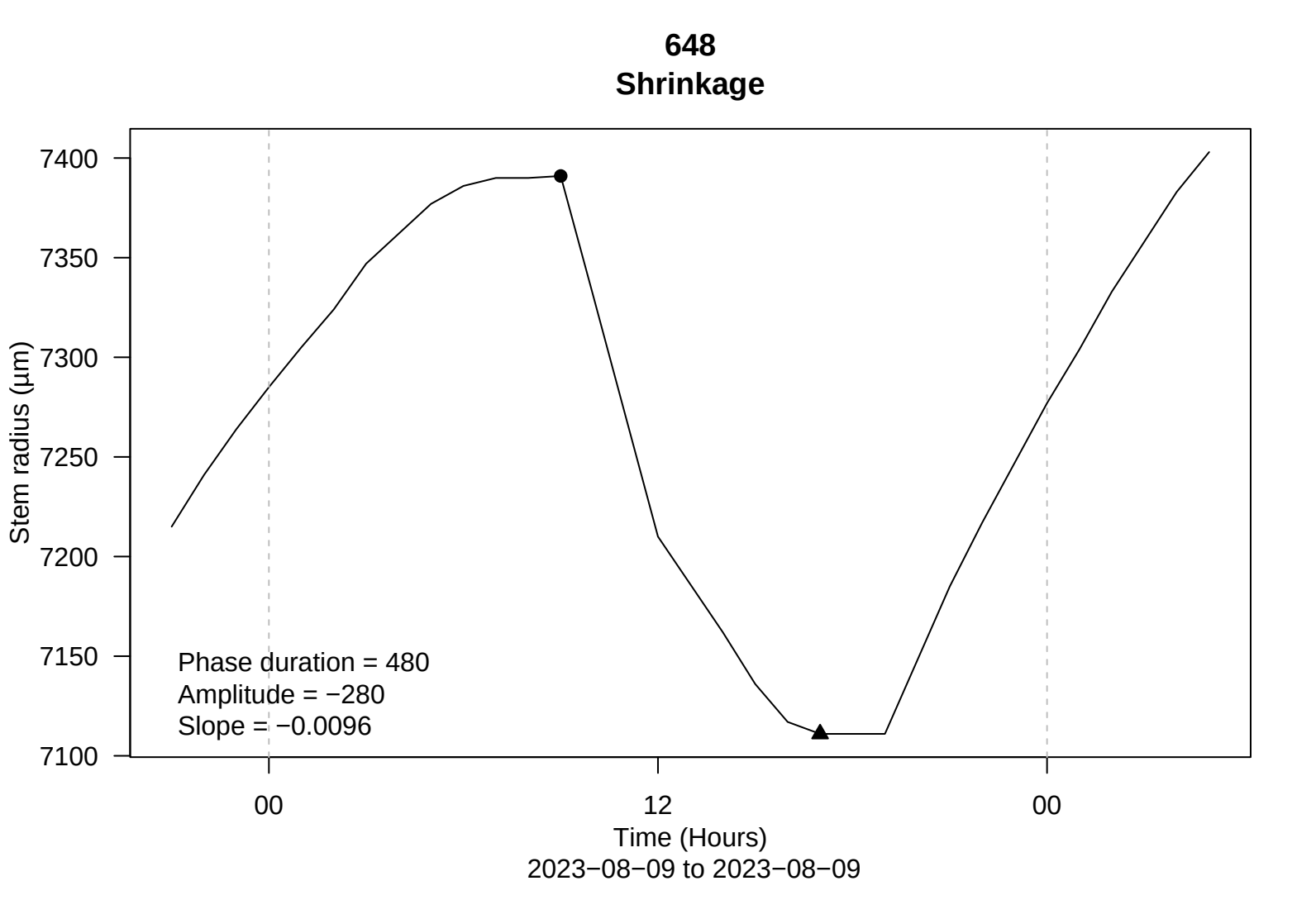

648
Expansion
7600
7500
7400
7300
Stem radius (µm)
12
00
12
Time (Hours)
2023−08−06 to 2023−08−07
Phase duration = 840
Amplitude = 299
Slope = 0.0069

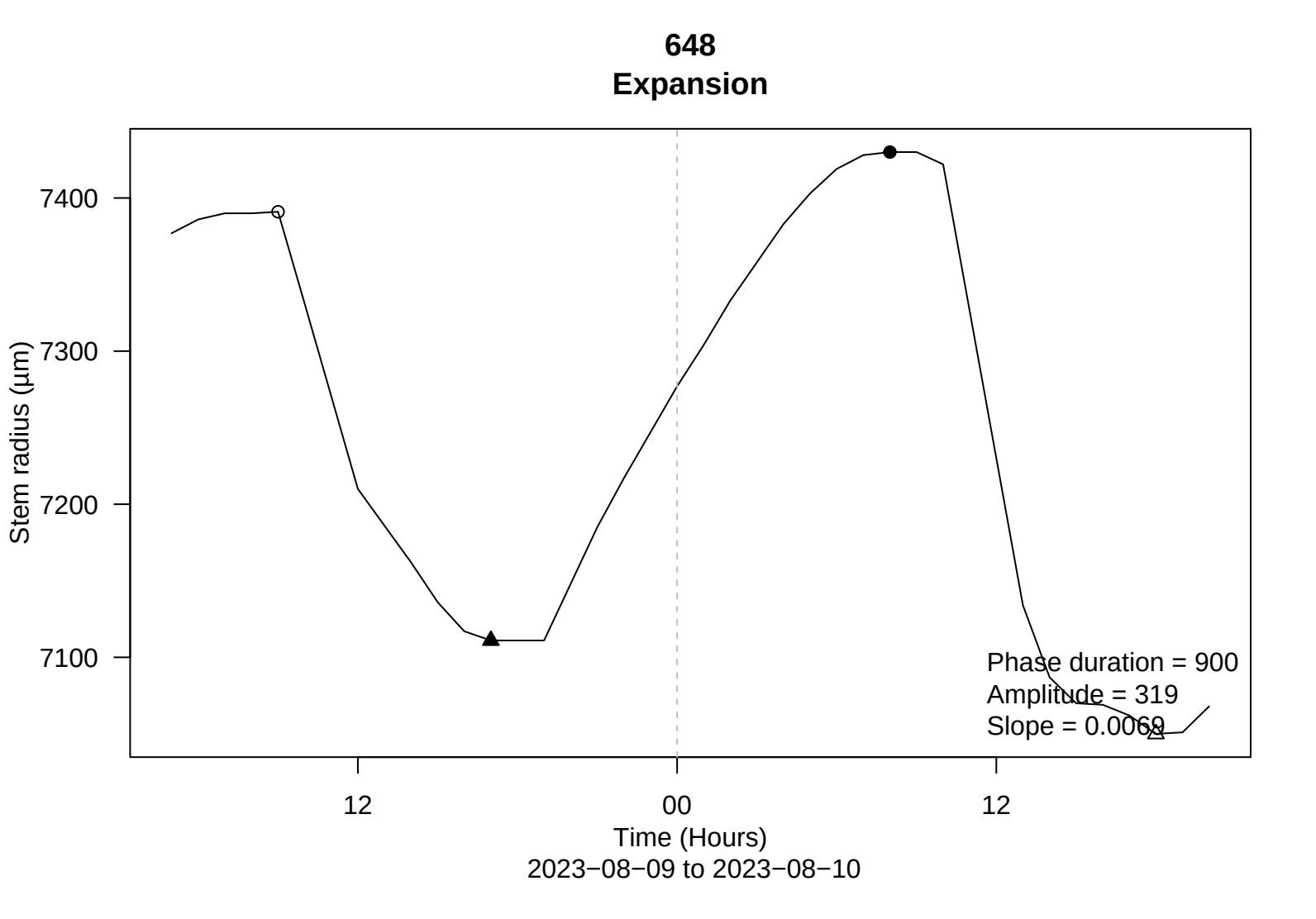

648
Shrinkage
Stem radius (µm)
7550
7500
7450
7400
7350
7300
7250
Phase duration = 600
Amplitude = −328
Slope = −0.0112
00
12
00
Time (Hours)
2023−08−07 to 2023−08−07

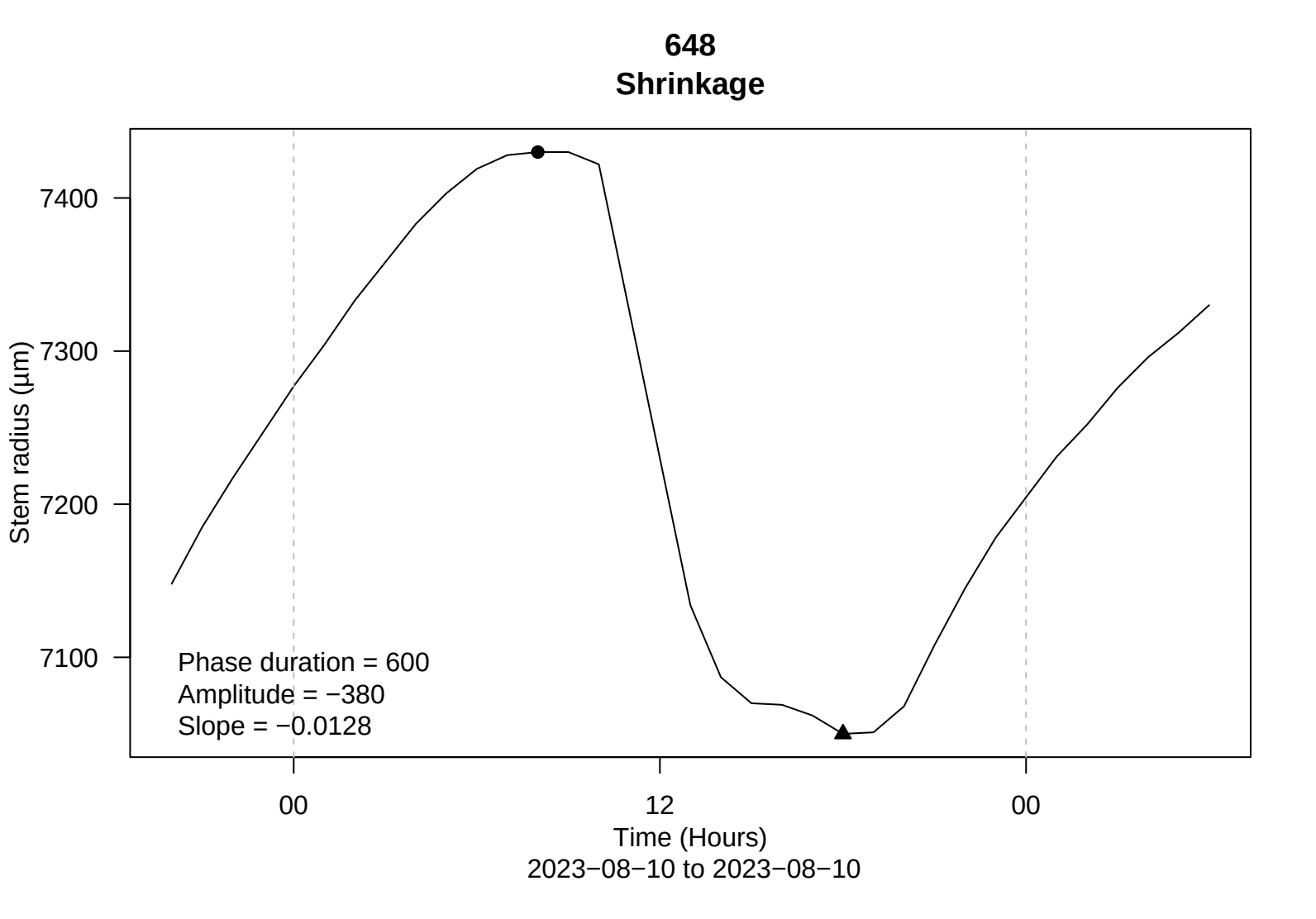

648
Expansion
7500
7400
7300
7200
Stem radius (µm)
12
00
12
Time (Hours)
2023−08−07 to 2023−08−08
Phase duration = 960
Amplitude = 246
Slope = 0.0051

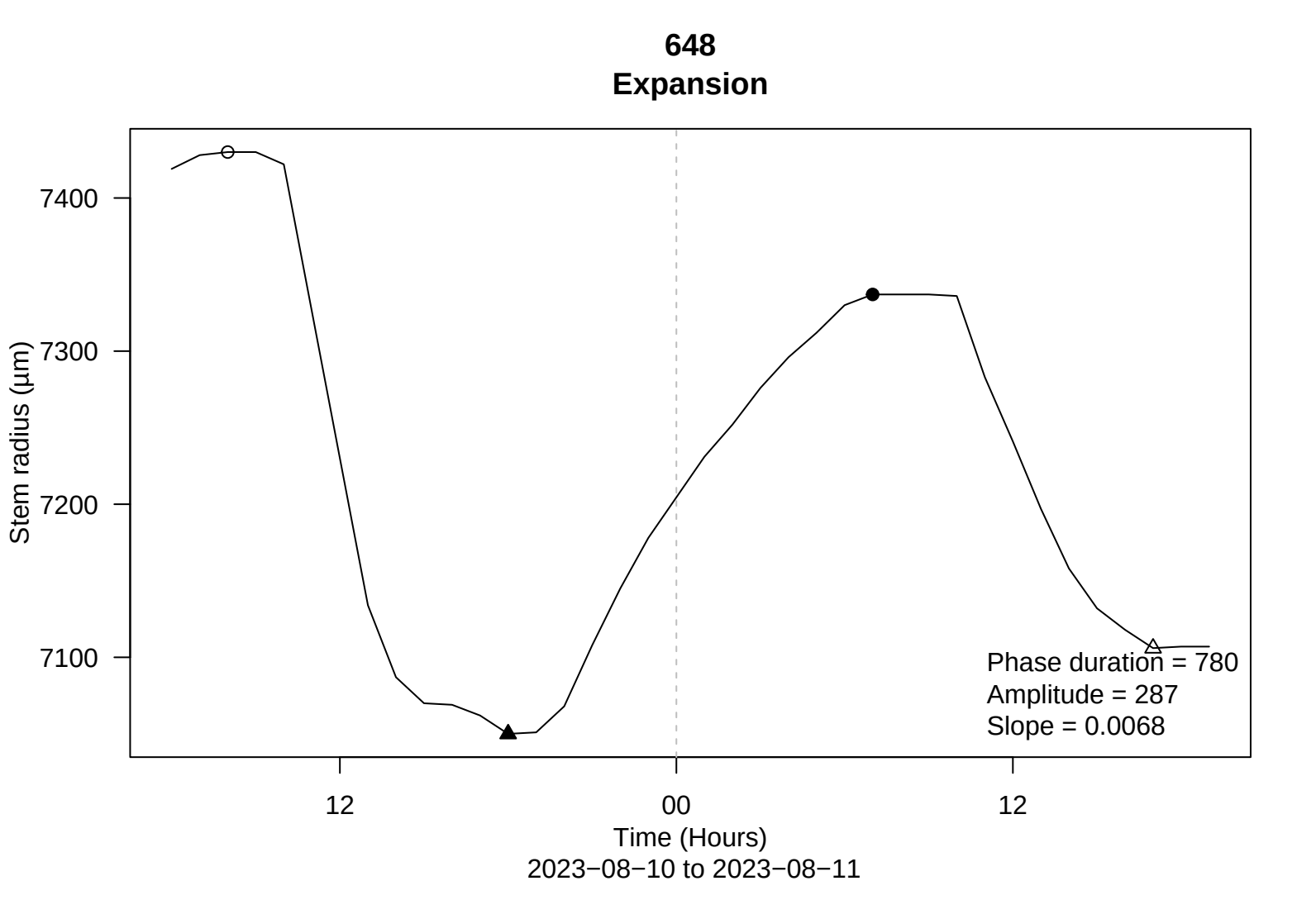

648
Shrinkage
7500
7450
7400
7350
7300
7250
7200
Stem radius (µm)
Phase duration = 480
Amplitude = −325
Slope = −0.0123
00
12
00
Time (Hours)
2023−08−08 to 2023−08−08

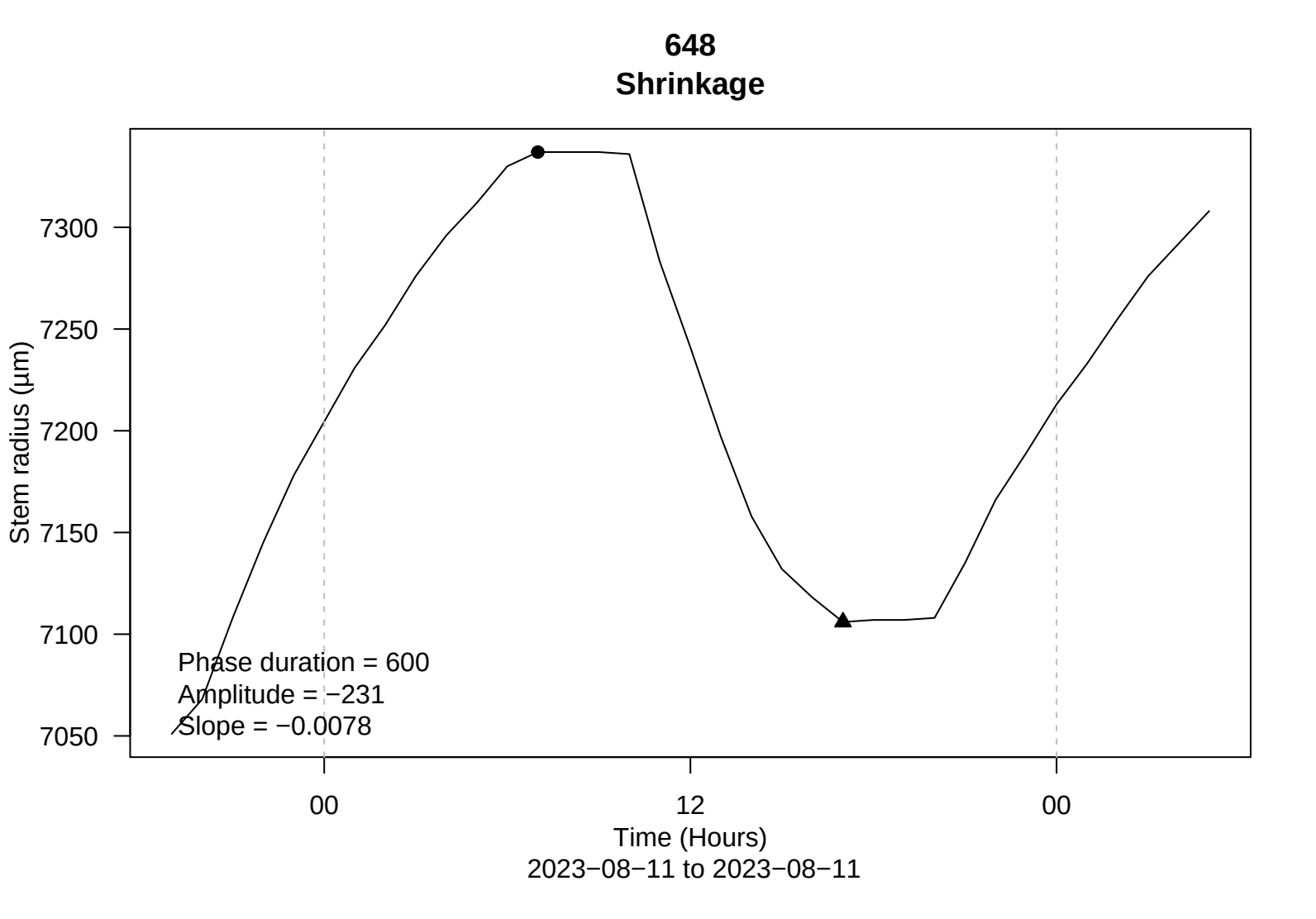

648
Expansion
7500
7400
7300
7200
7100
Stem radius (µm)
12
00
12
Time (Hours)
2023−08−08 to 2023−08−09
Phase duration = 960
Amplitude = 221
Slope = 0.0047

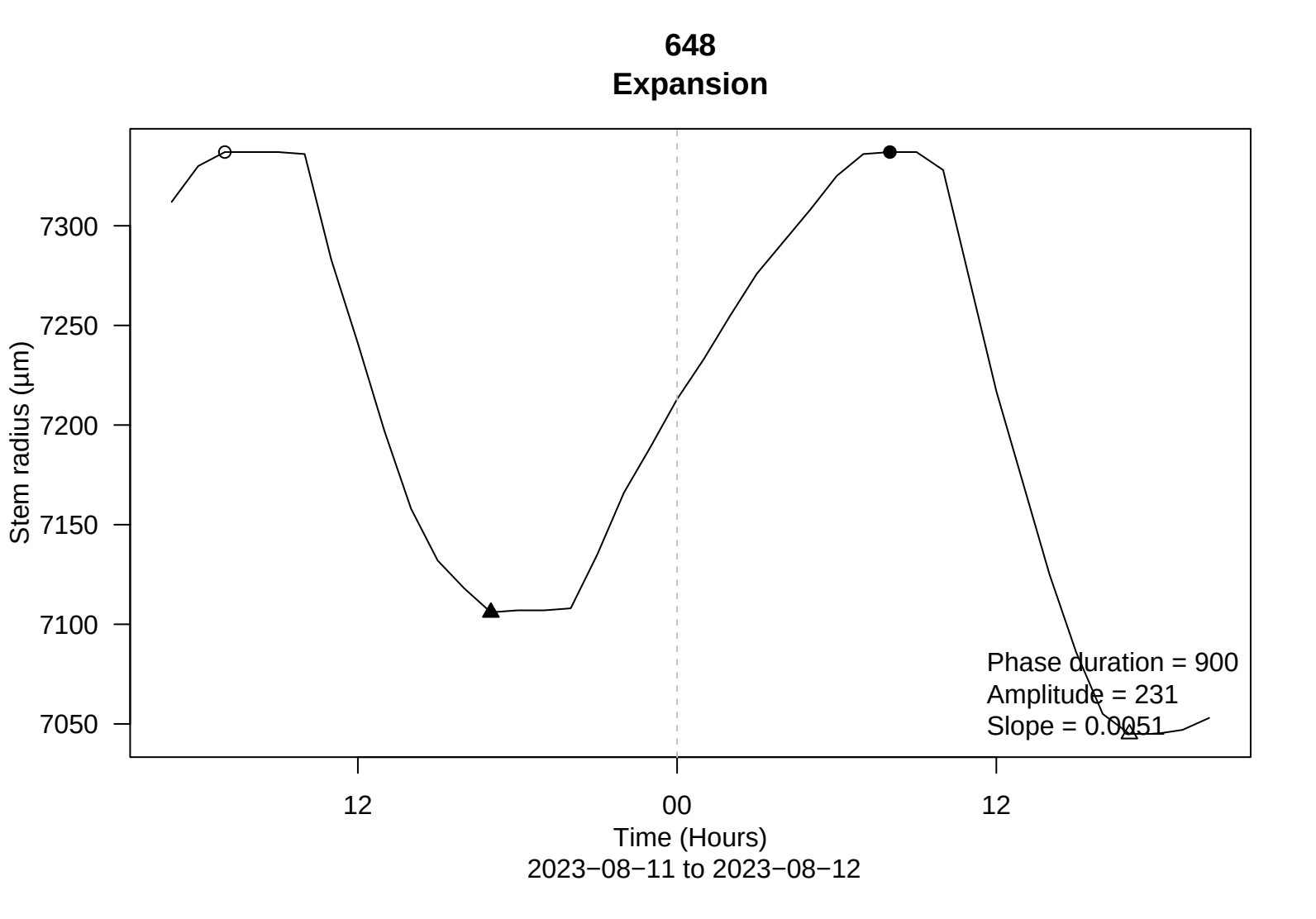

648
Shrinkage
7400
7350
7300
7250
7200
7150
7100
Stem radius (µm)
Phase duration = 480
Amplitude = −280
Slope = −0.0096
00
12
00
Time (Hours)
2023−08−09 to 2023−08−09

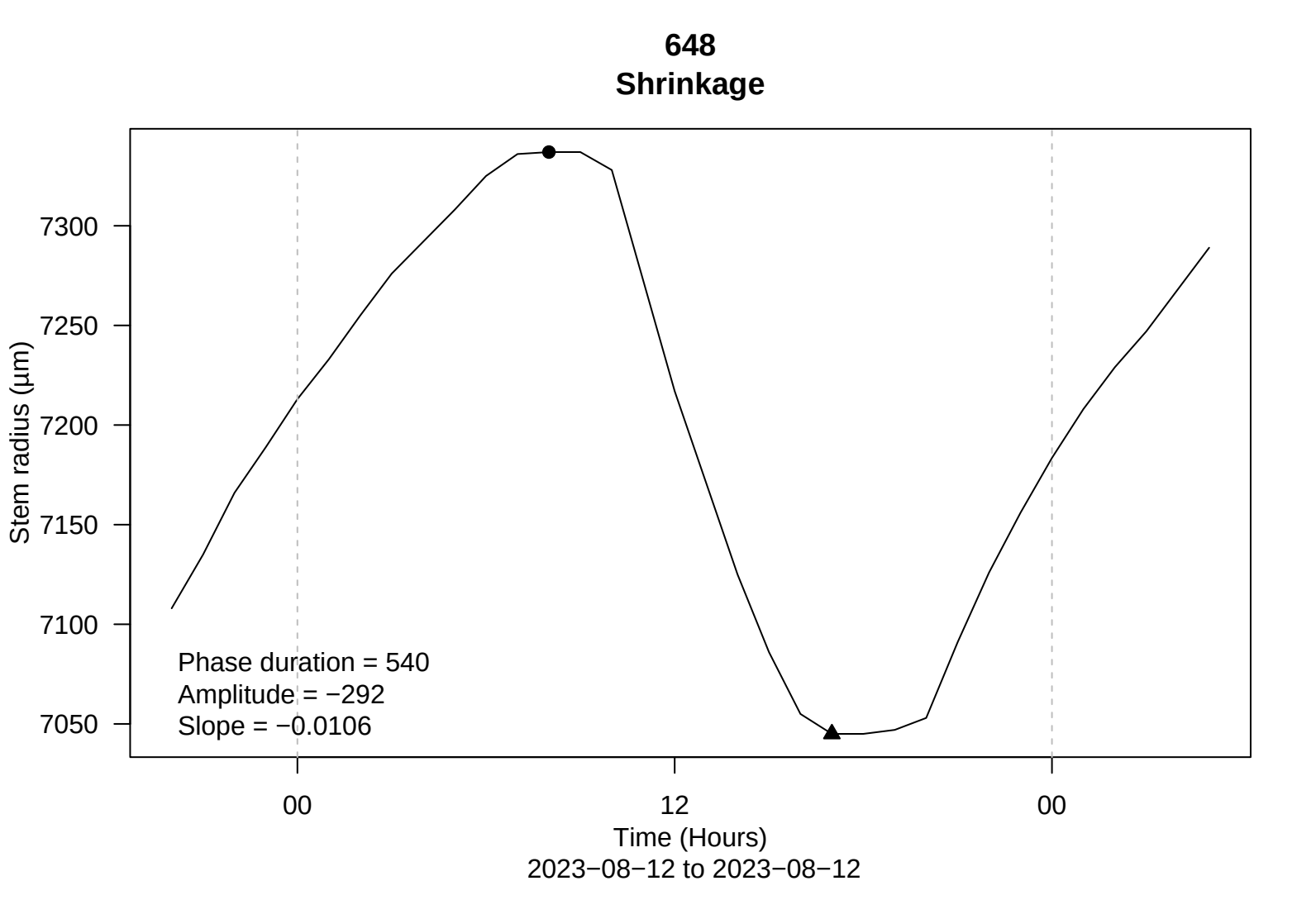

648
Expansion
7400
7300
7200
7100
Stem radius (µm)
Phase duration = 900
Amplitude = 319
Slope = 0.0069
12
00
12
Time (Hours)
2023−08−09 to 2023−08−10

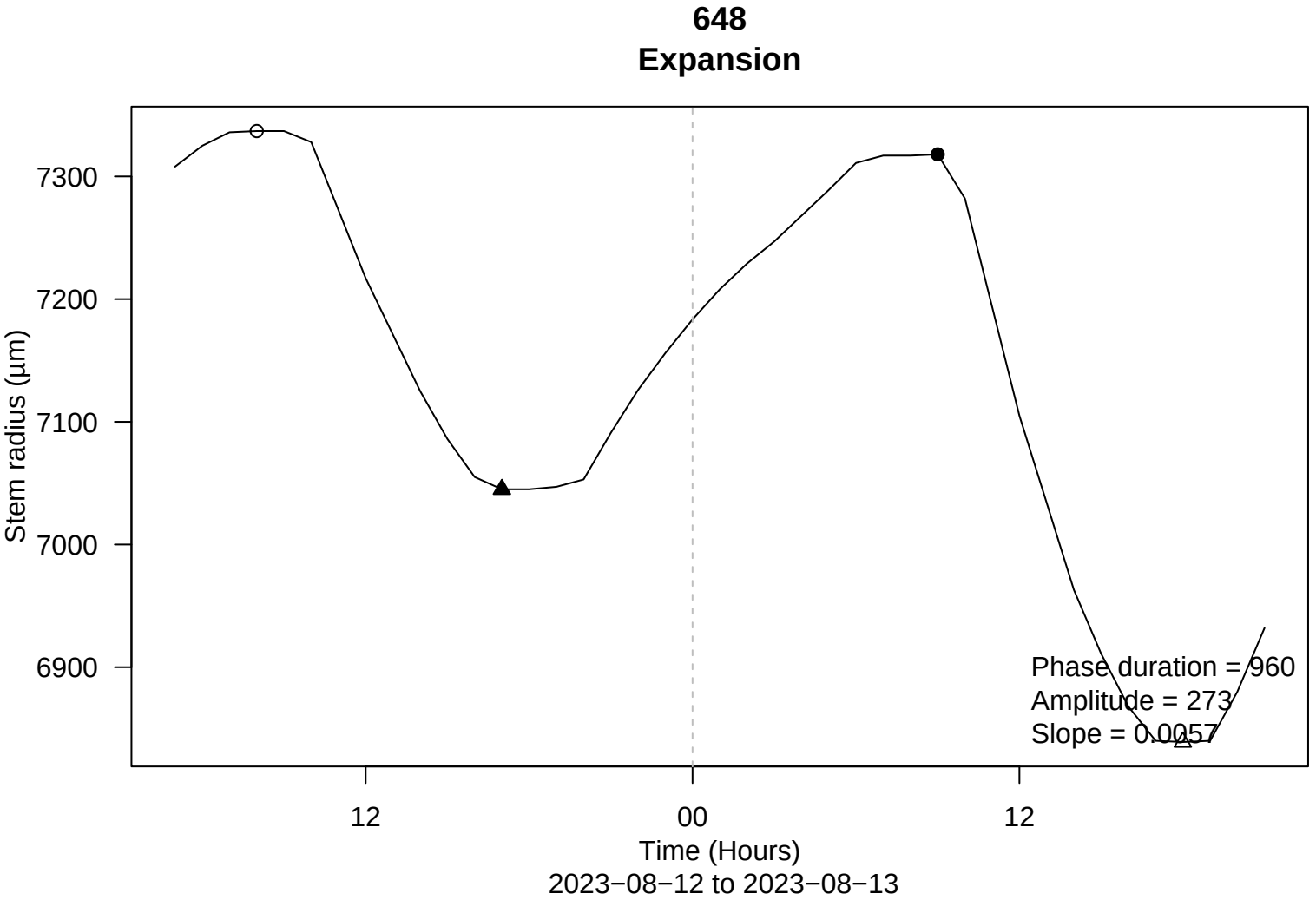

648
Shrinkage
7400
7300
7200
7100
Stem radius (µm)
Phase duration = 600
Amplitude = −380
Slope = −0.0128
00
12
00
Time (Hours)
2023−08−10 to 2023−08−10

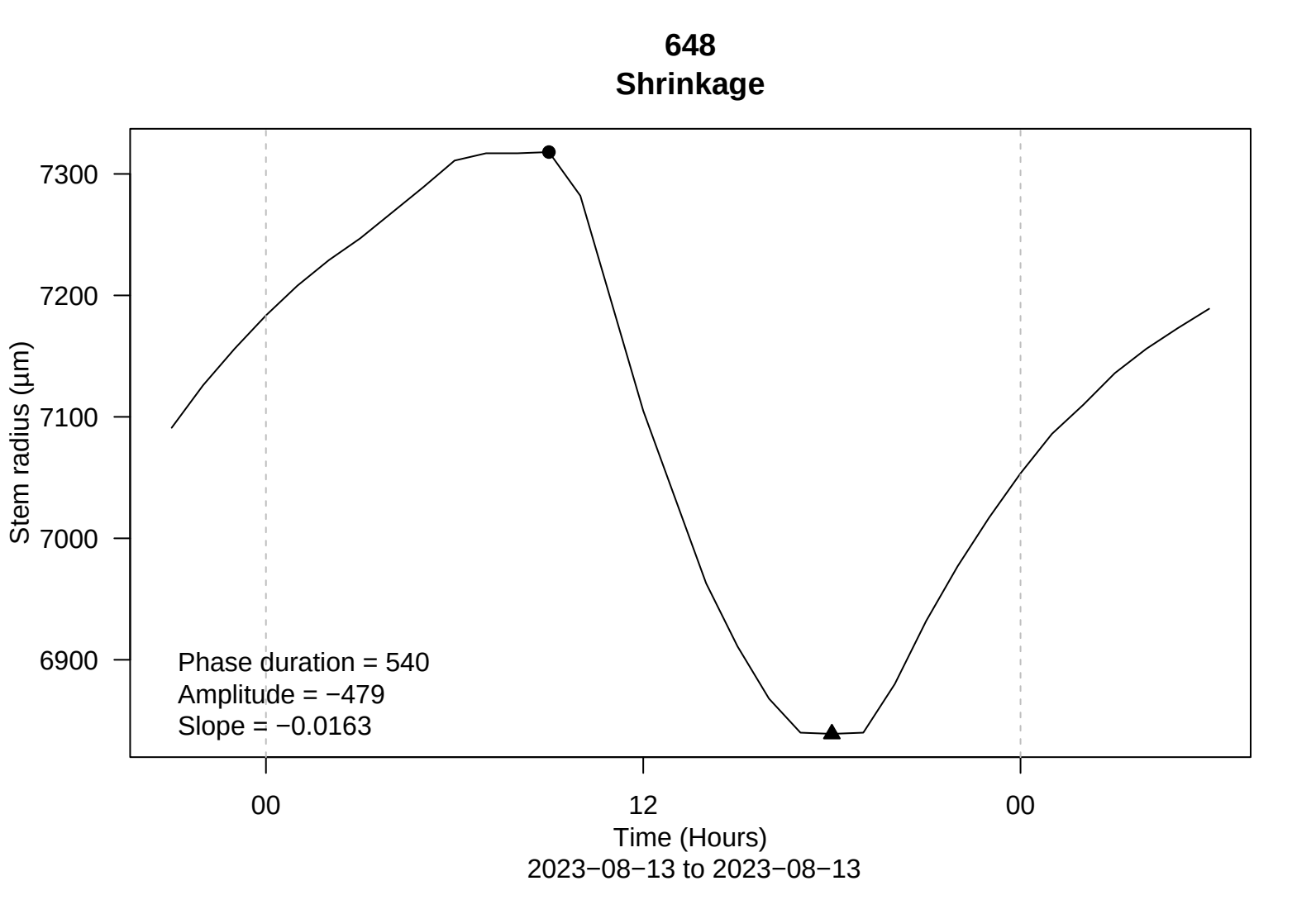

648
Expansion
7400
7300
7200
7100
Stem radius (µm)
12
00
12
Time (Hours)
2023−08−10 to 2023−08−11
Phase duration = 780
Amplitude = 287
Slope = 0.0068

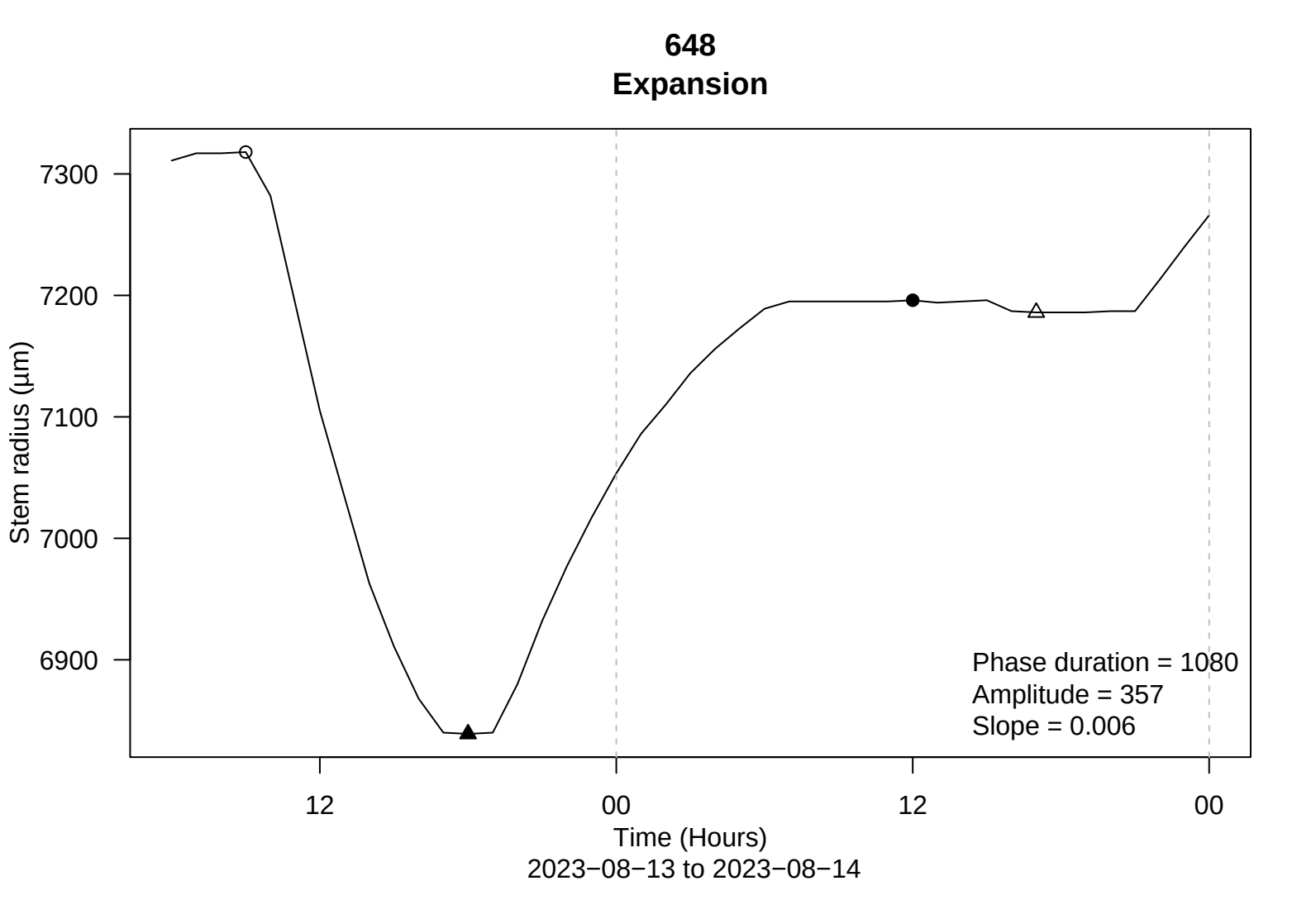

648
Shrinkage
Stem radius (µm)
7300
7250
7200
7150
7100
7050
Phase duration = 600
Amplitude = −231
Slope = −0.0078
00
12
00
Time (Hours)
2023−08−11 to 2023−08−11

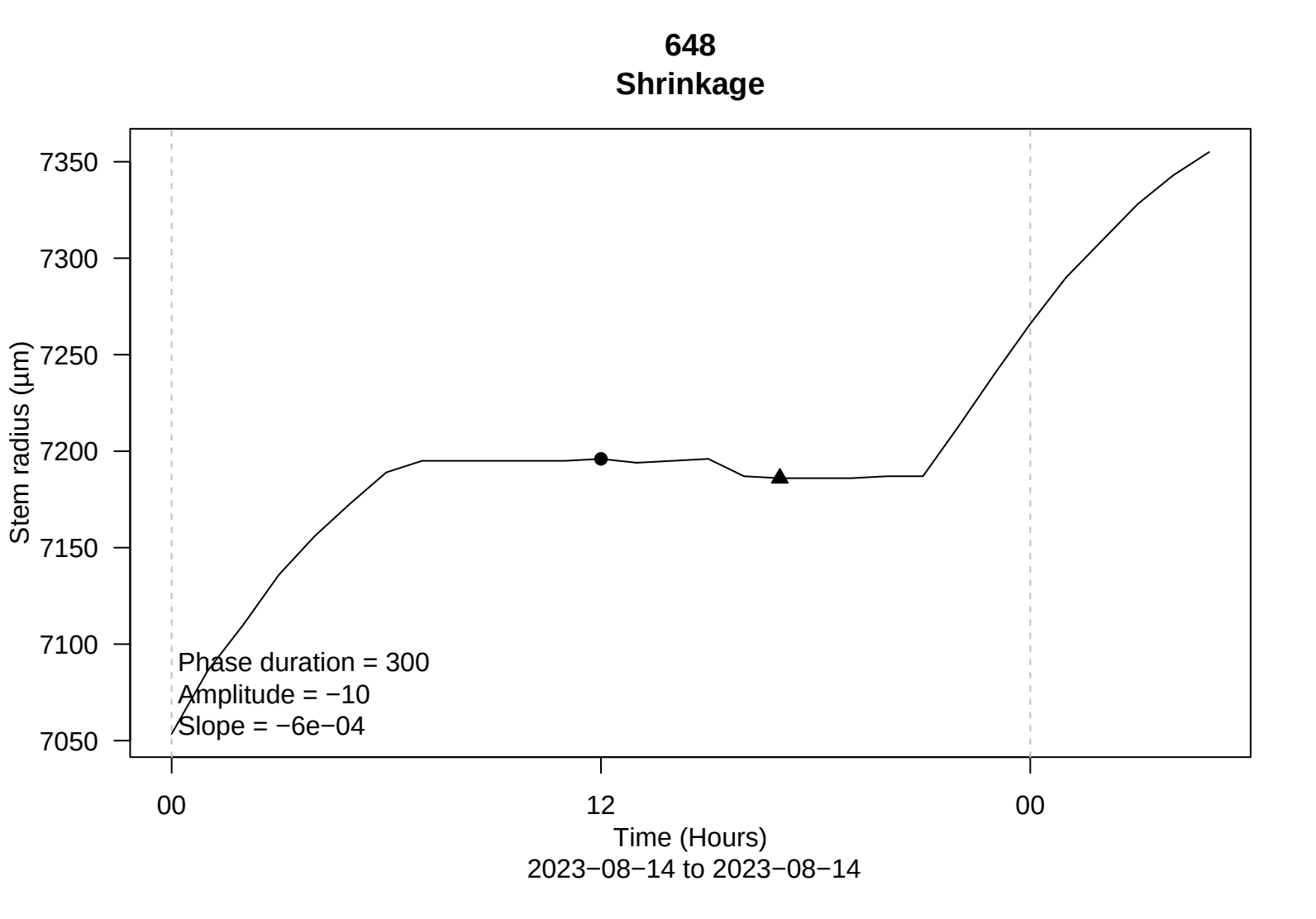

648
Expansion
Stem radius (µm)
7300
7250
7200
7150
7100
7050
12
00
12
Time (Hours)
2023−08−11 to 2023−08−12
Phase duration = 900
Amplitude = 231
Slope = 0.0051

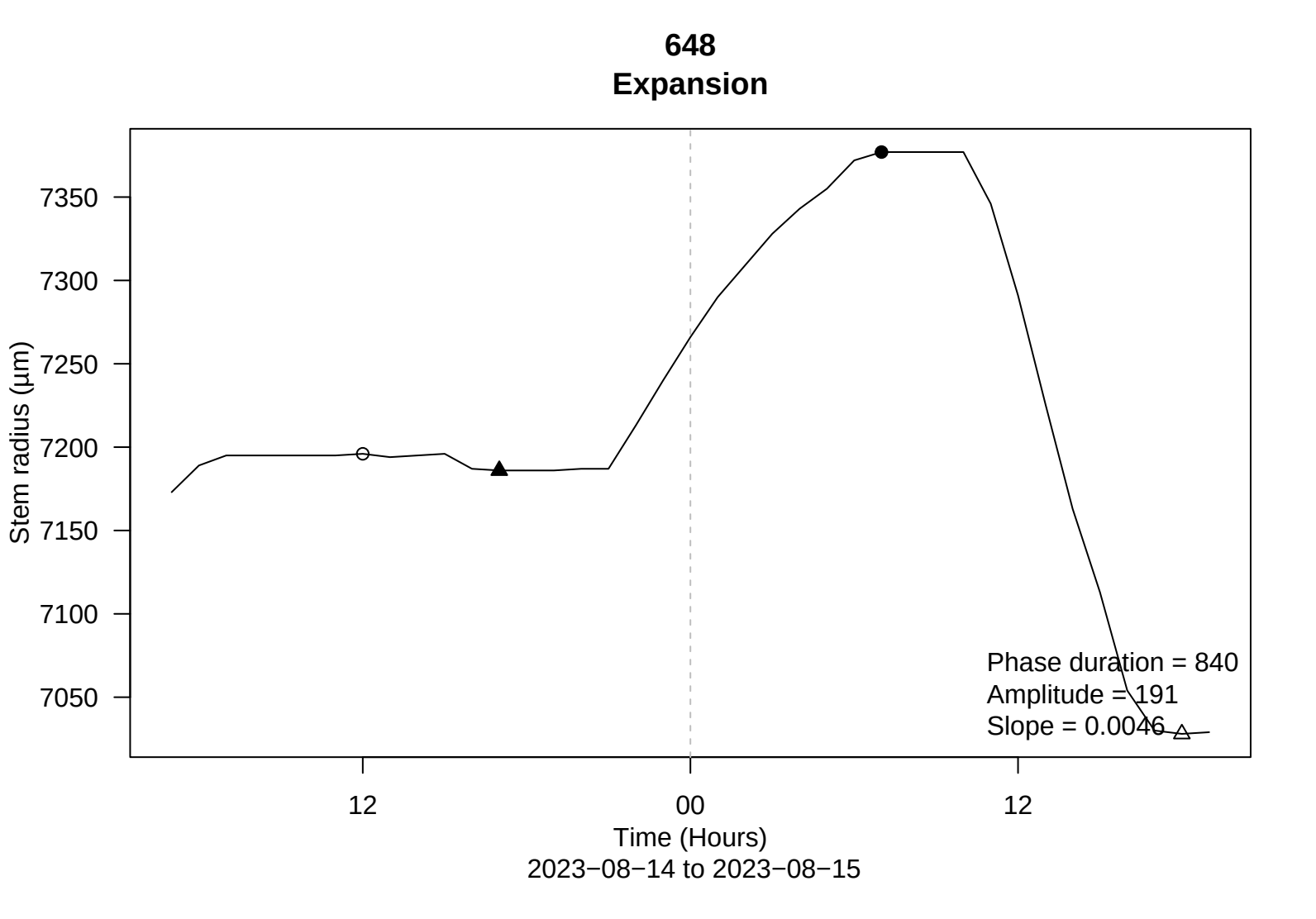

648
Shrinkage
Stem radius (µm)
7300
7250
7200
7150
7100
7050
Phase duration = 540
Amplitude = −292
Slope = −0.0106
00
12
00
Time (Hours)
2023−08−12 to 2023−08−12

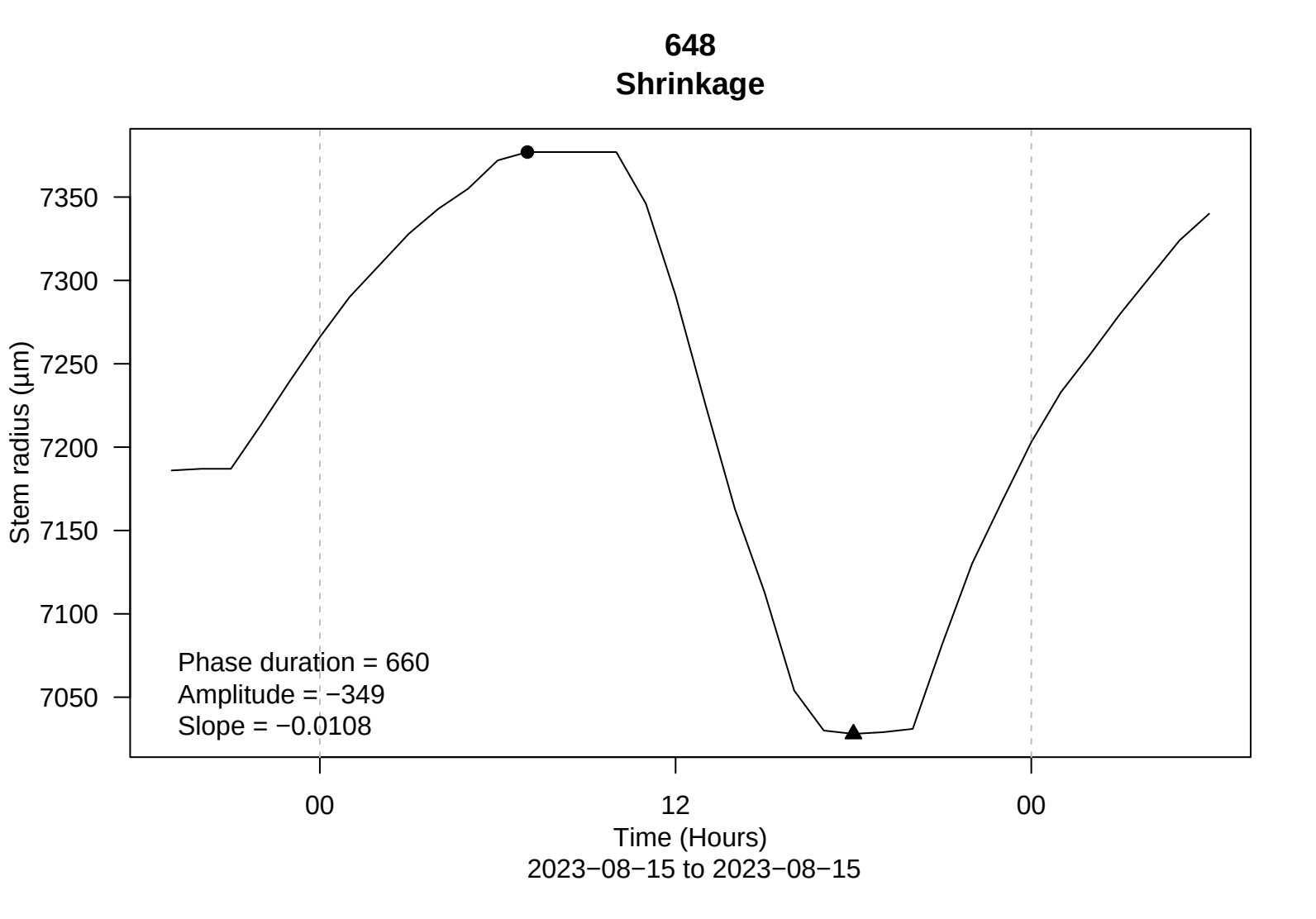

648
Expansion
7300
7200
7100
7000
6900
Stem radius (µm)
Phase duration = 960
Amplitude = 273
Slope = 0.0057
12
00
12
Time (Hours)
2023−08−12 to 2023−08−13

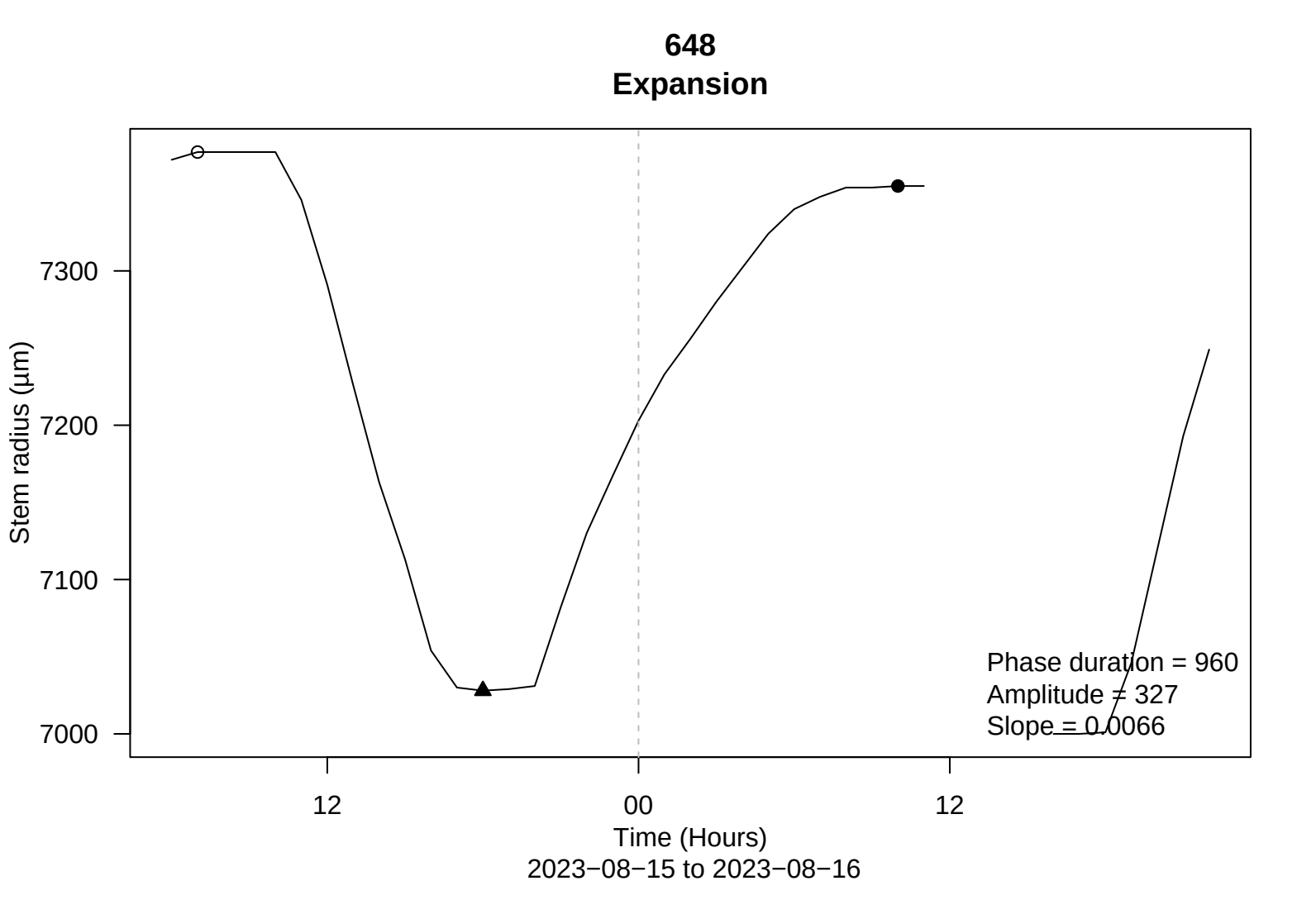

648
Shrinkage
7300
7200
7100
7000
6900
Stem radius (µm)
Phase duration = 540
Amplitude = −479
Slope = −0.0163
00
12
00
Time (Hours)
2023−08−13 to 2023−08−13

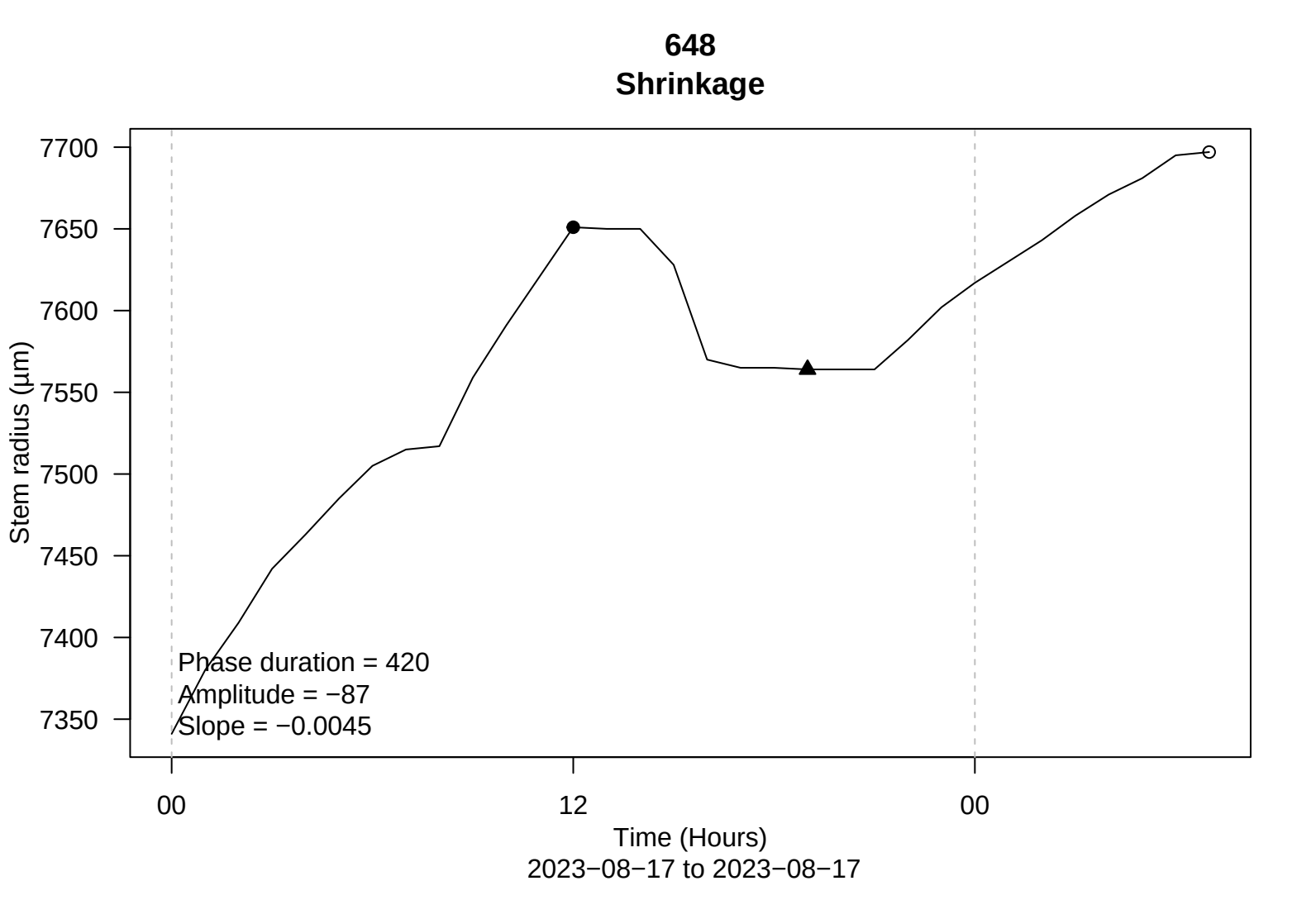

648
Expansion
7300
7200
7100
7000
6900
Stem radius (µm)
Phase duration = 1080
Amplitude = 357
Slope = 0.006
12
00
12
00
Time (Hours)
2023−08−13 to 2023−08−14

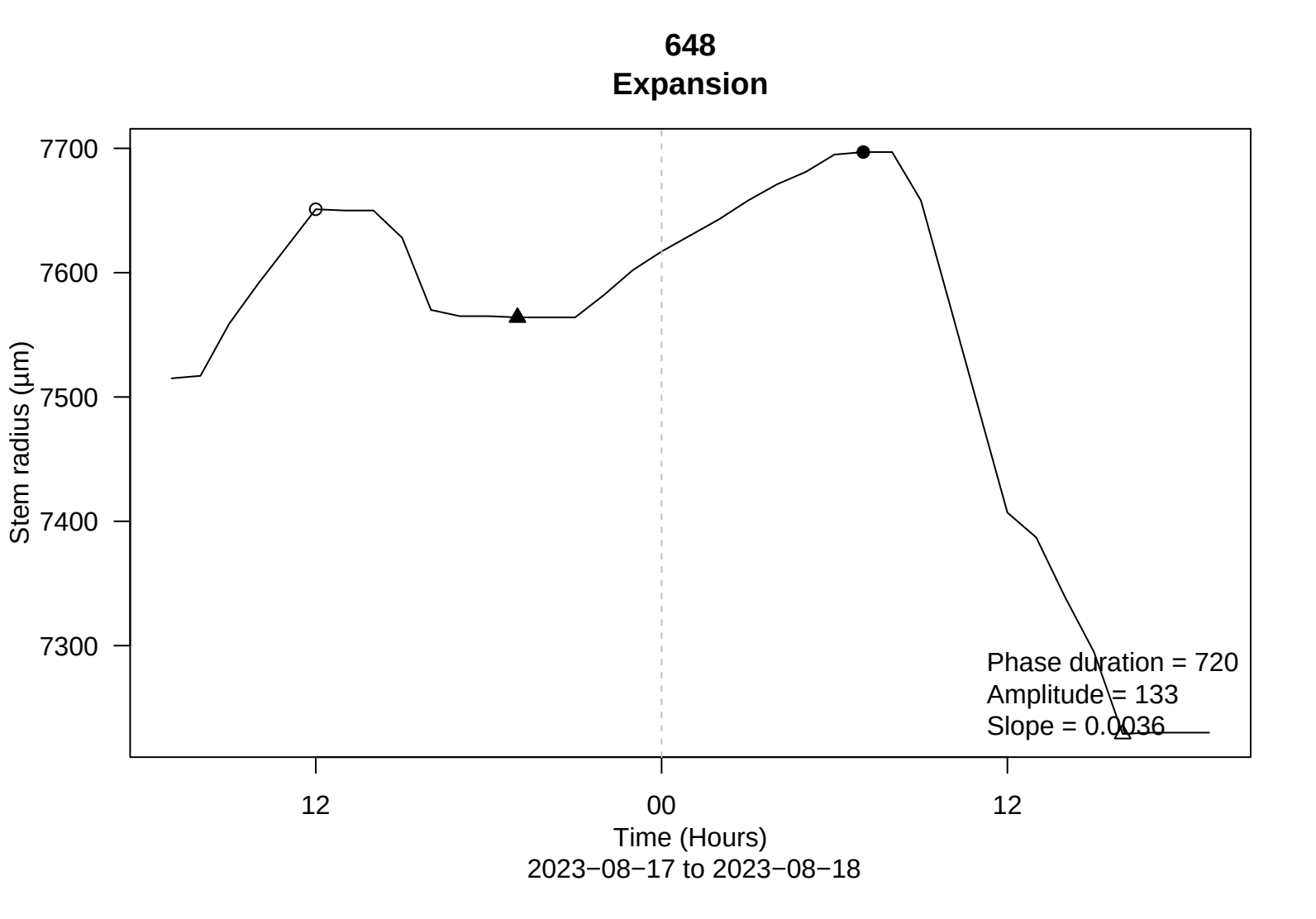

648
Shrinkage
7350
7300
7250
7200
7150
7100
7050
Stem radius (µm)
Phase duration = 300
Amplitude = −10
Slope = −6e−04
00
12
00
Time (Hours)
2023−08−14 to 2023−08−14

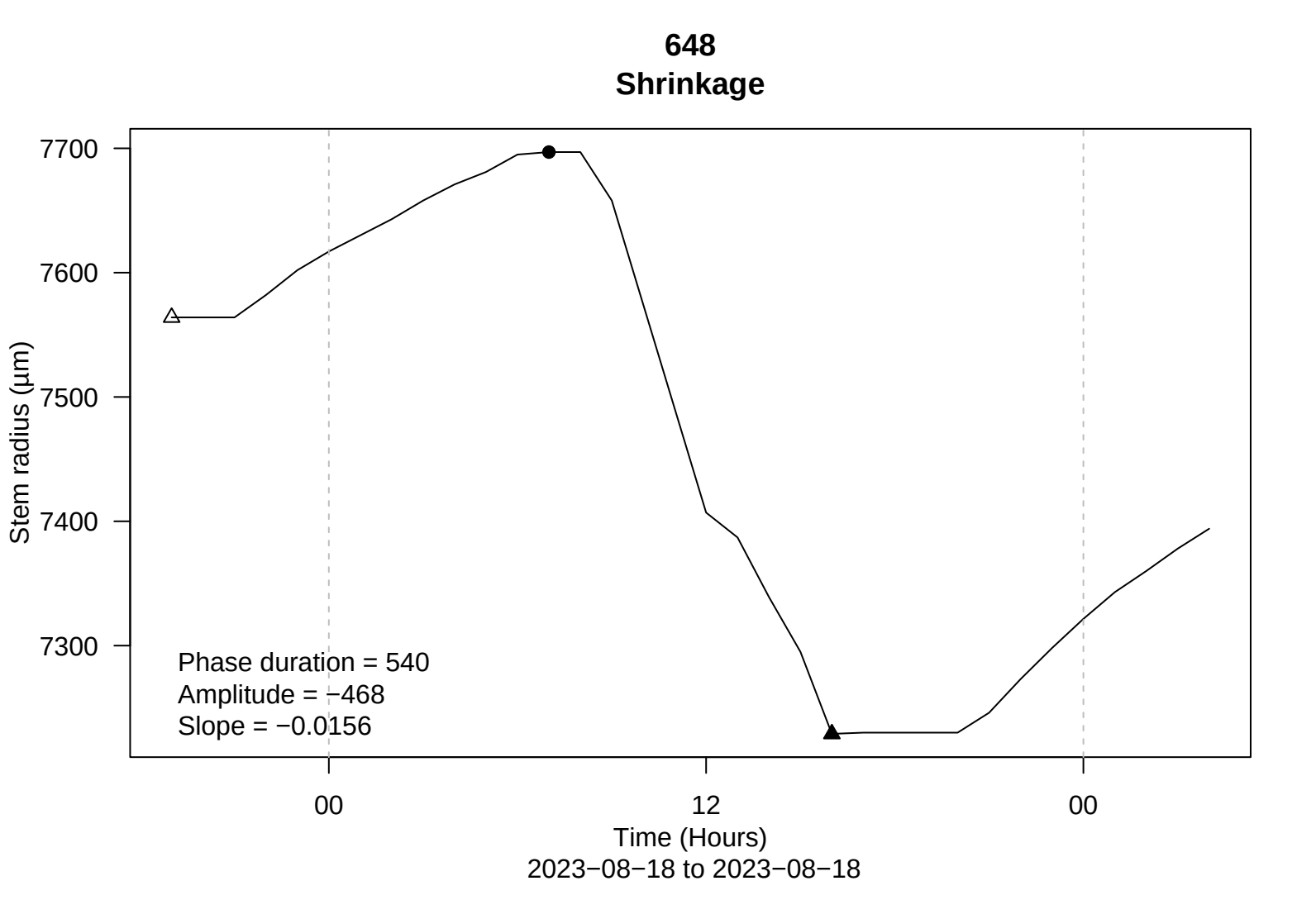

648
Expansion
7350
7300
7250
7200
7150
7100
7050
Stem radius (µm)
Phase duration = 840
Amplitude = 191
Slope = 0.0046
12
00
12
Time (Hours)
2023−08−14 to 2023−08−15

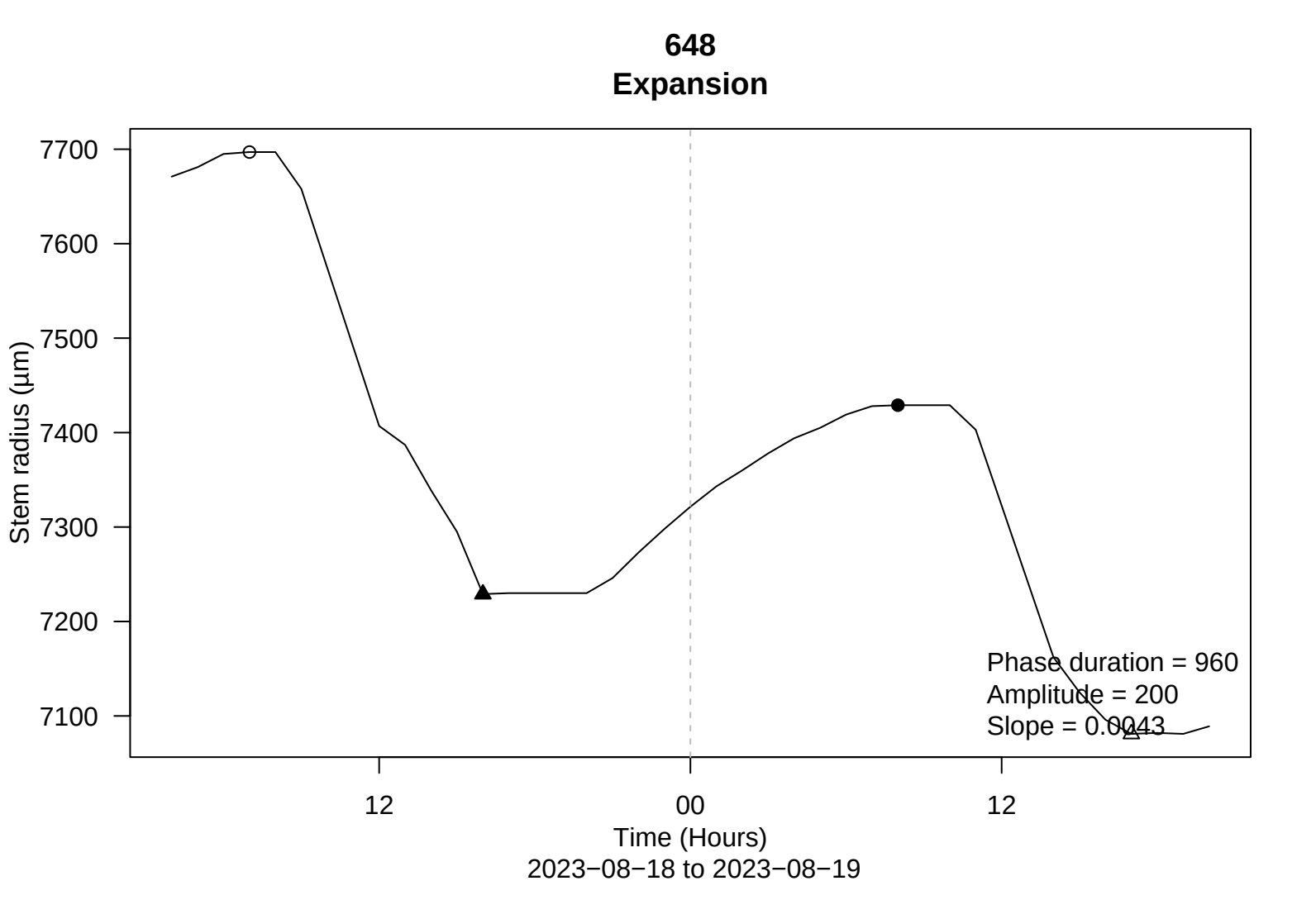

648
Shrinkage
7350
7300
7250
7200
7150
7100
7050
Stem radius (µm)
Phase duration = 660
Amplitude = −349
Slope = −0.0108
00
12
00
Time (Hours)
2023−08−15 to 2023−08−15

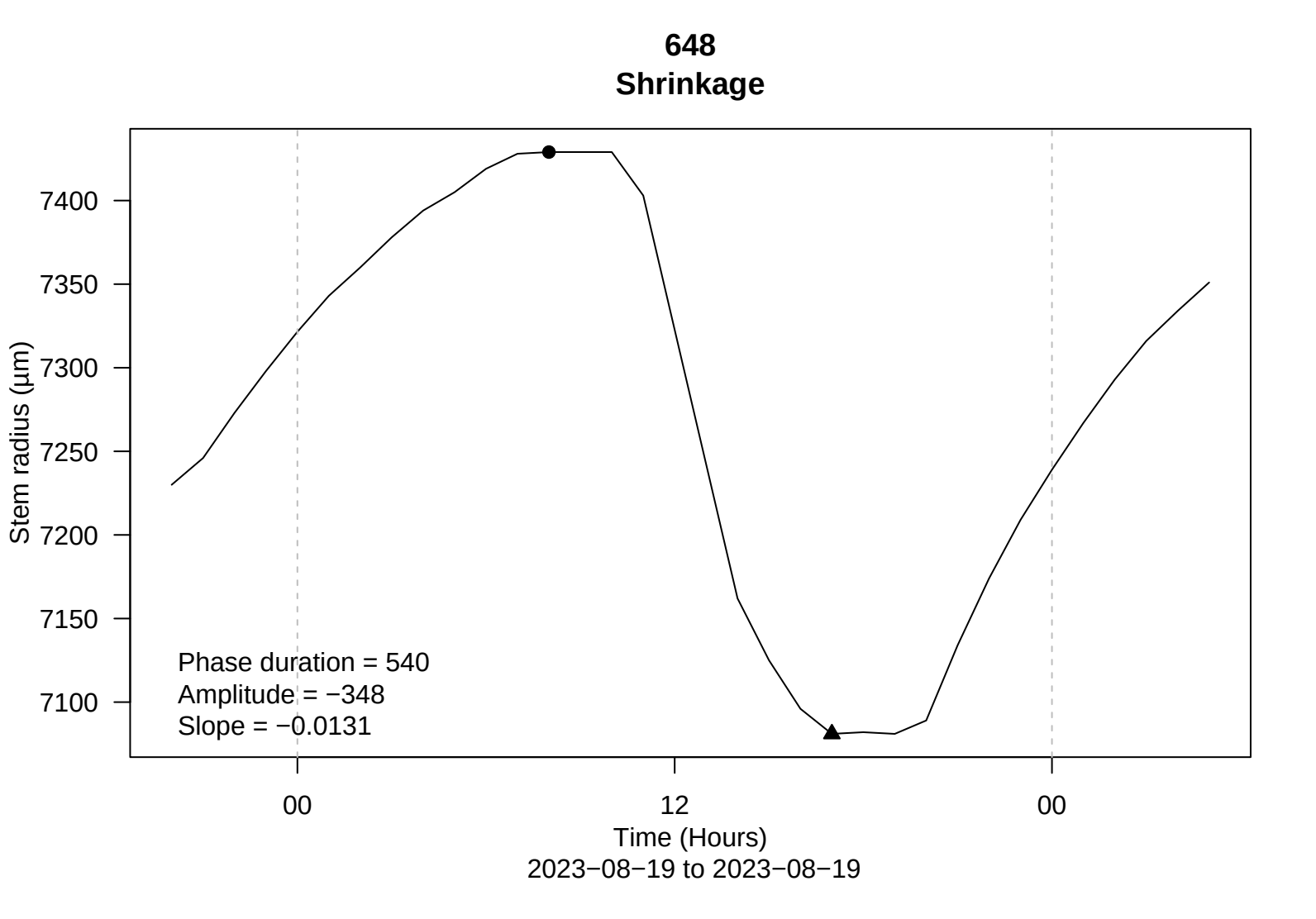

648
Expansion
7300
7200
7100
7000
Stem radius (µm)
12
00
12
Time (Hours)
2023−08−15 to 2023−08−16
Phase duration = 960
Amplitude = 327
Slope = 0.0066

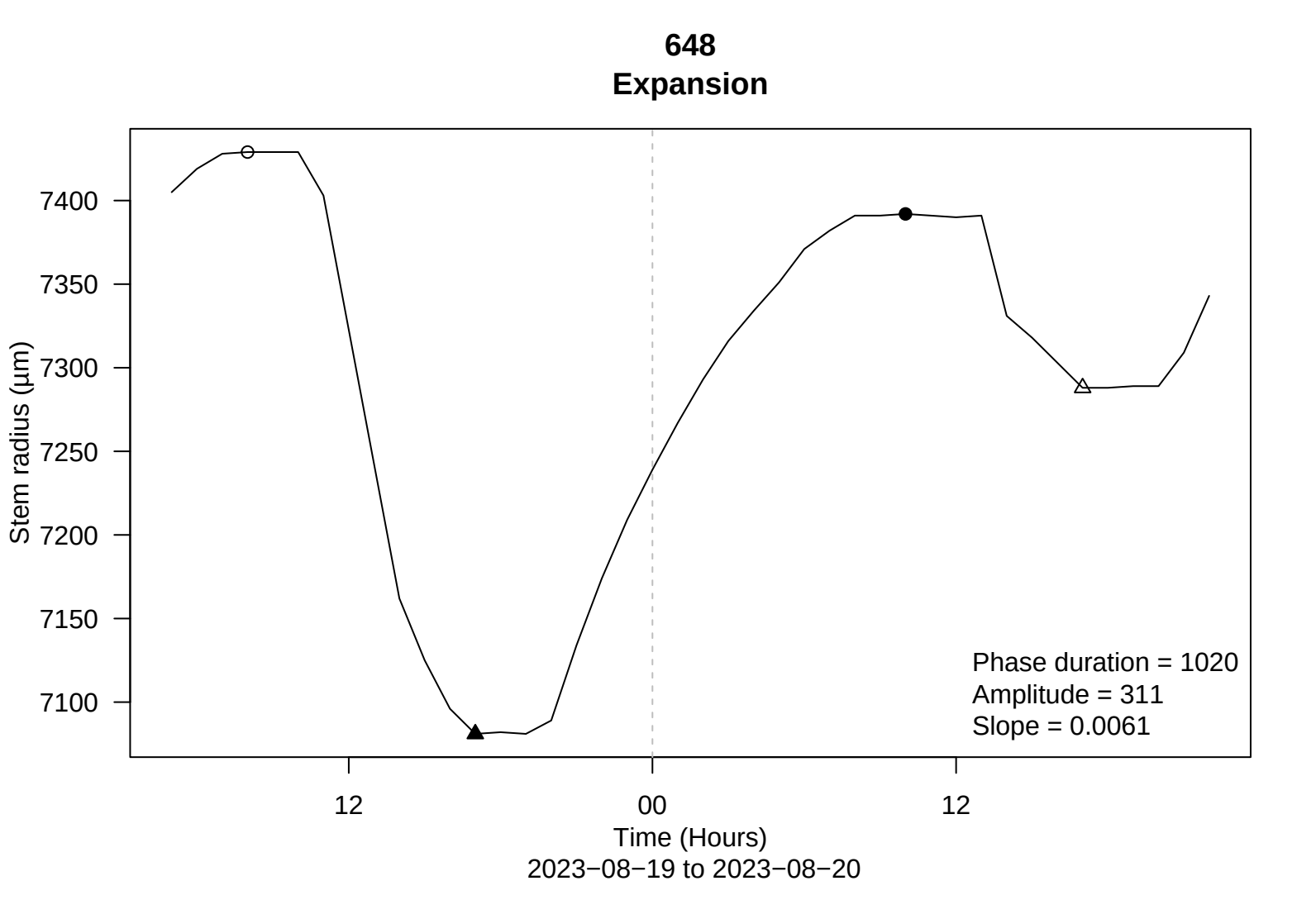

648
Shrinkage
7700
7650
7600
7550
7500
7450
7400
7350
Stem radius (µm)
Phase duration = 420
Amplitude = −87
Slope = −0.0045
00
12
00
Time (Hours)
2023−08−17 to 2023−08−17

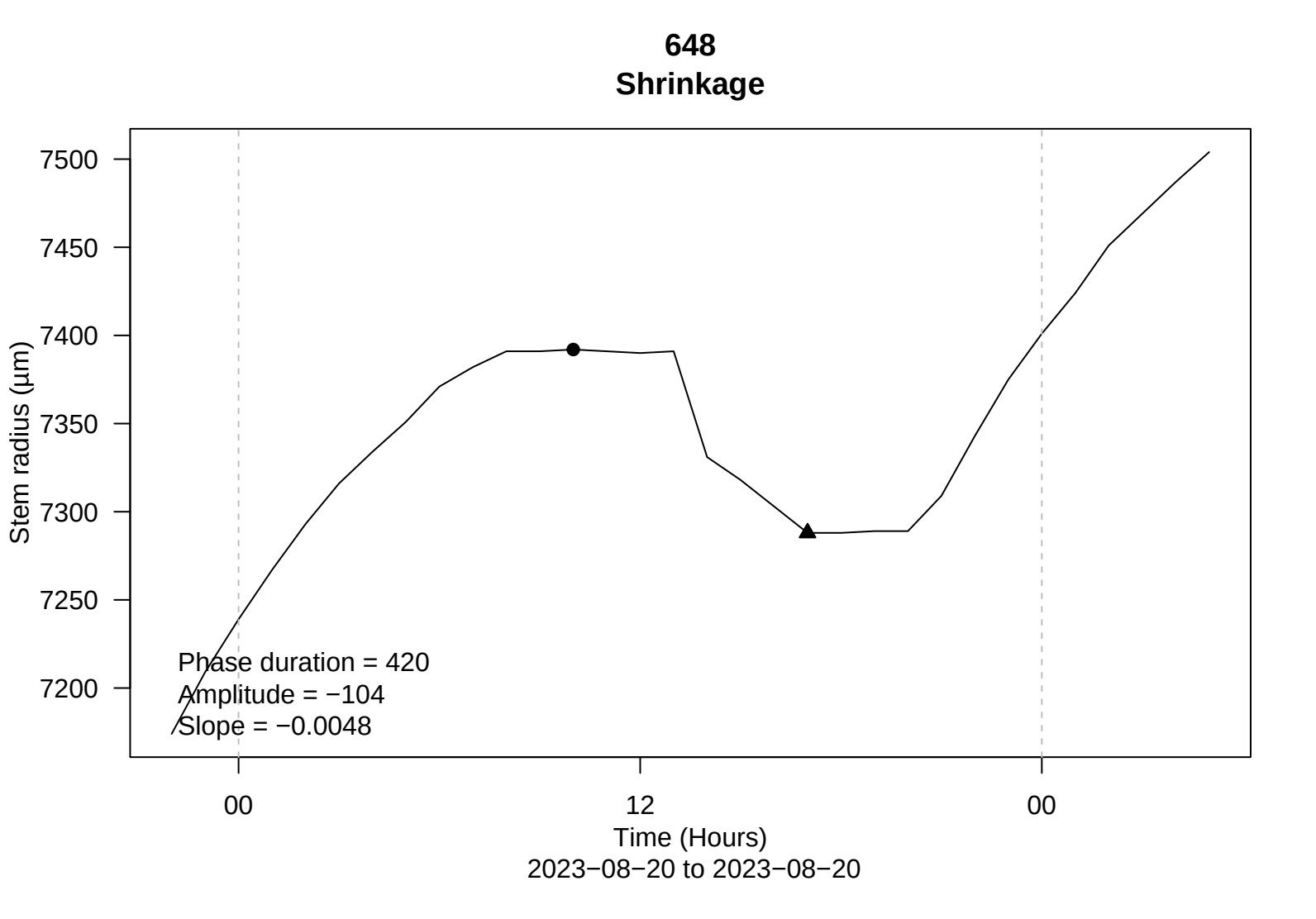

648
Expansion
7700
7600
7500
7400
7300
Stem radius (µm)
Phase duration = 720
Amplitude = 133
Slope = 0.0036
12
00
12
Time (Hours)
2023−08−17 to 2023−08−18

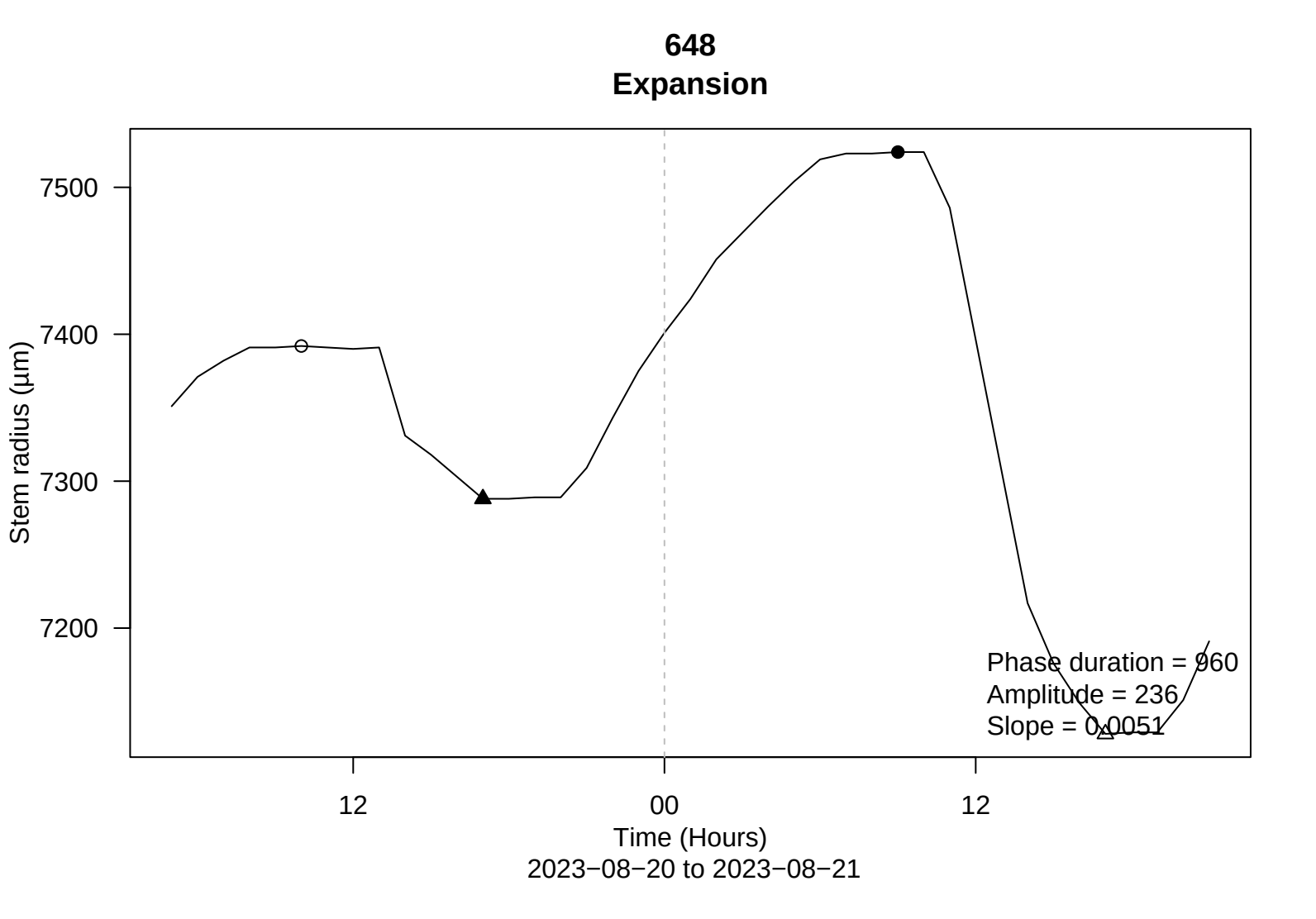

648
Shrinkage
7700
7600
7500
7400
7300
Stem radius (µm)
Phase duration = 540
Amplitude = −468
Slope = −0.0156
00
12
00
Time (Hours)
2023−08−18 to 2023−08−18

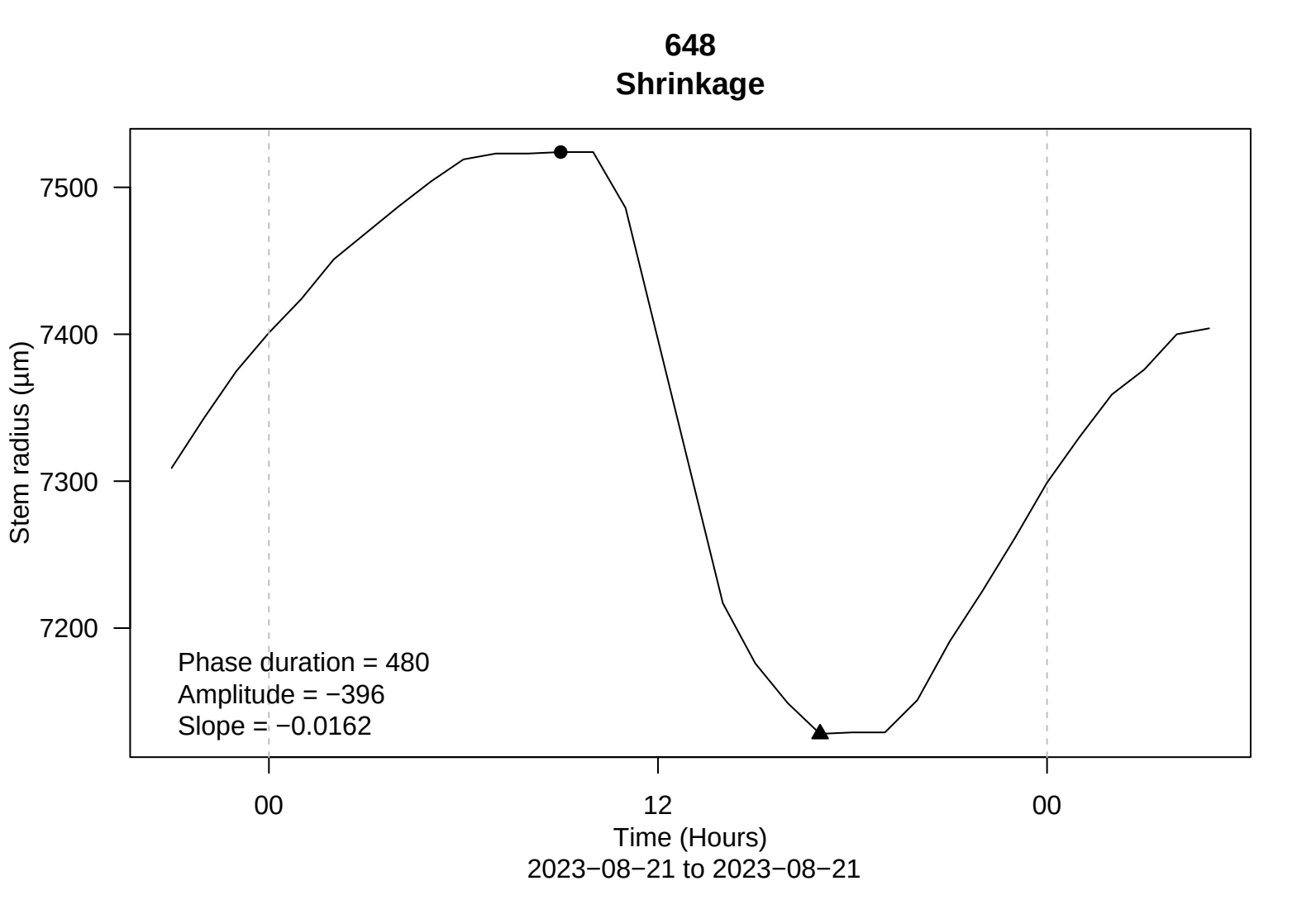

648
Expansion
7700
7600
7500
7400
7300
7200
7100
Stem radius (µm)
12
00
12
Time (Hours)
2023−08−18 to 2023−08−19
Phase duration = 960
Amplitude = 200
Slope = 0.0043

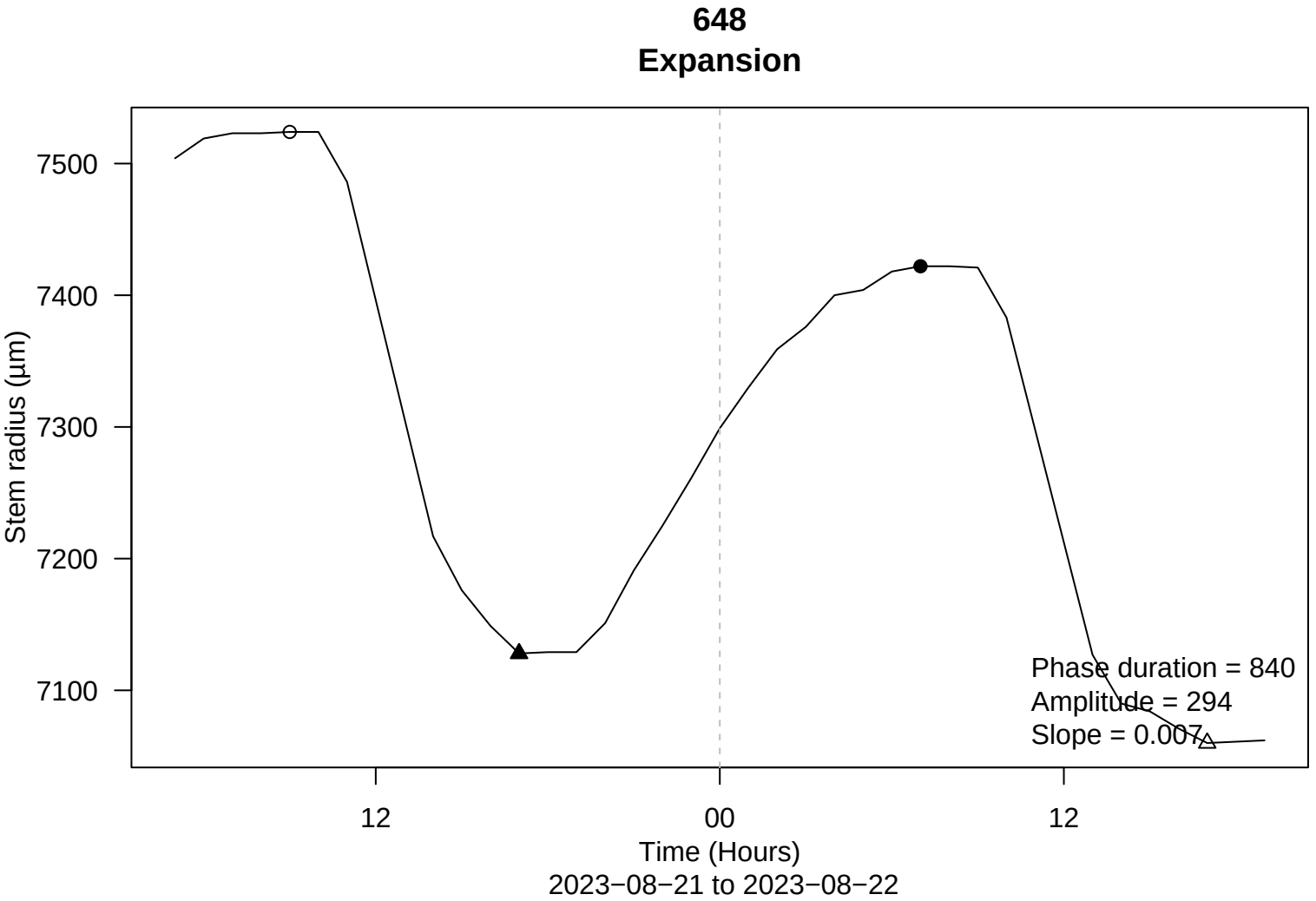

648
Shrinkage
7400
7350
7300
7250
7200
7150
7100
Stem radius (µm)
Phase duration = 540
Amplitude = −348
Slope = −0.0131
00
12
00
Time (Hours)
2023−08−19 to 2023−08−19

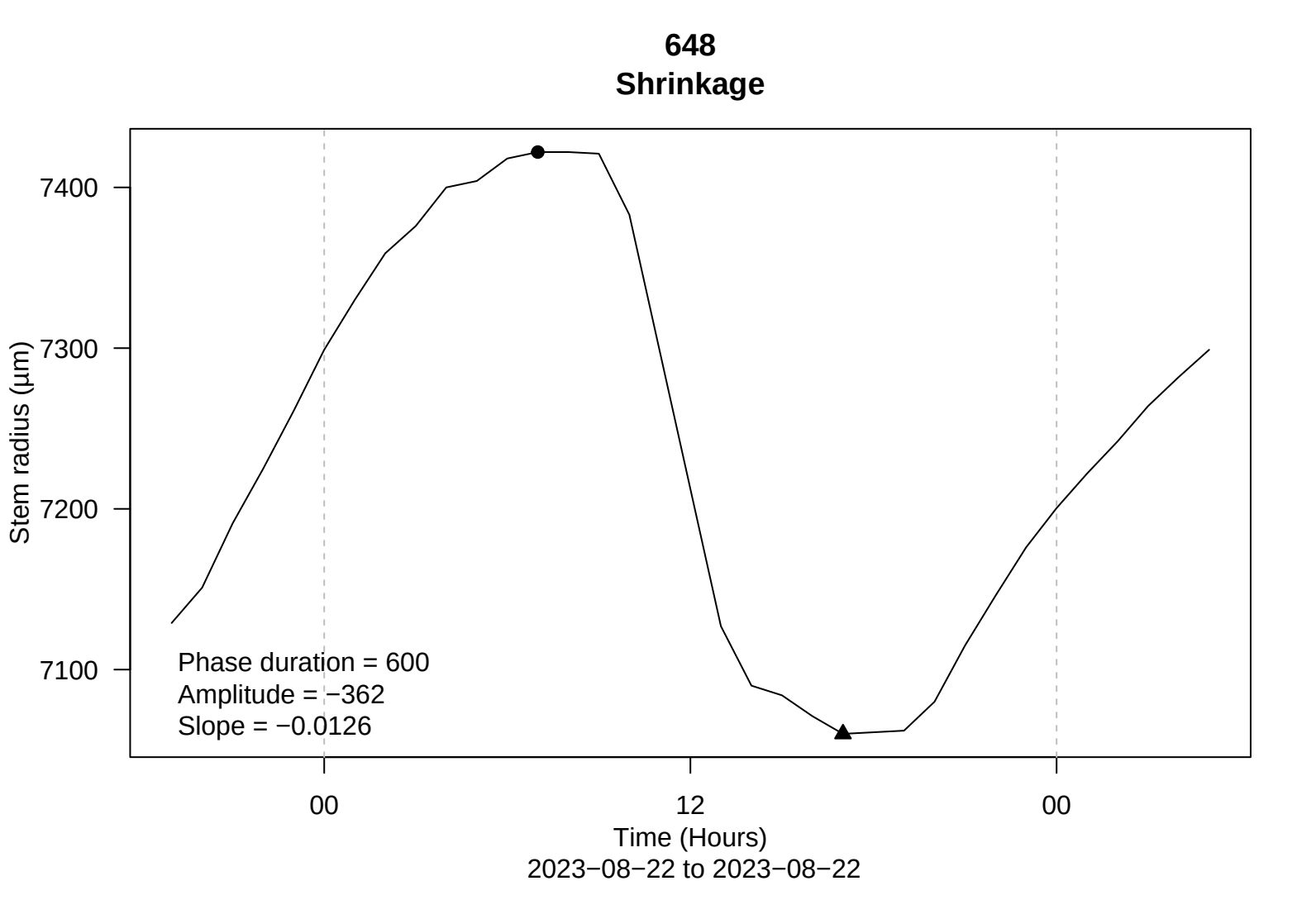

648
Expansion
7400
7350
7300
7250
7200
7150
7100
Stem radius (µm)
Phase duration = 1020
Amplitude = 311
Slope = 0.0061
12
00
12
Time (Hours)
2023−08−19 to 2023−08−20

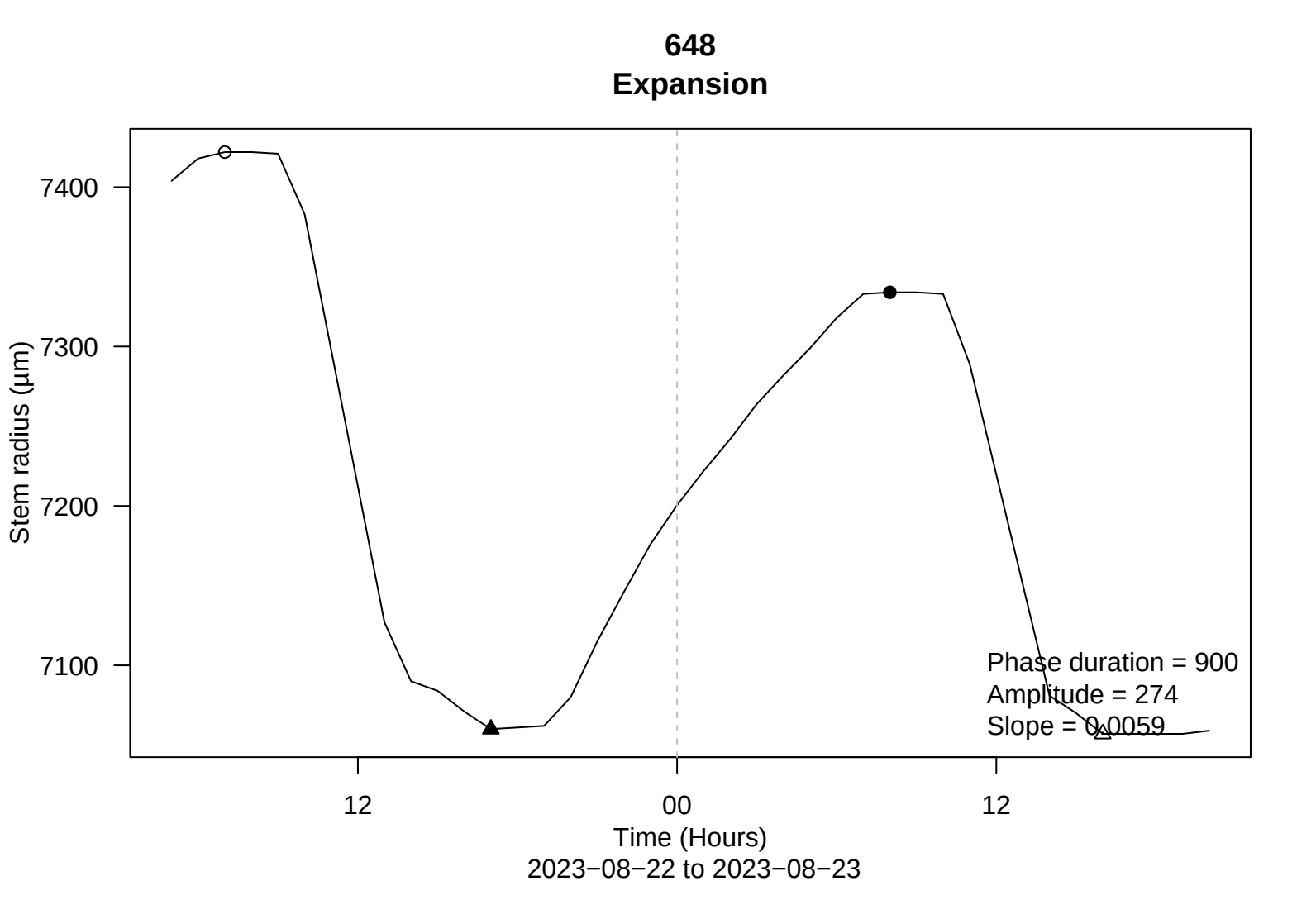

648
Shrinkage
7500
7450
7400
7350
7300
7250
7200
Stem radius (µm)
Phase duration = 420
Amplitude = −104
Slope = −0.0048
00
12
00
Time (Hours)
2023−08−20 to 2023−08−20

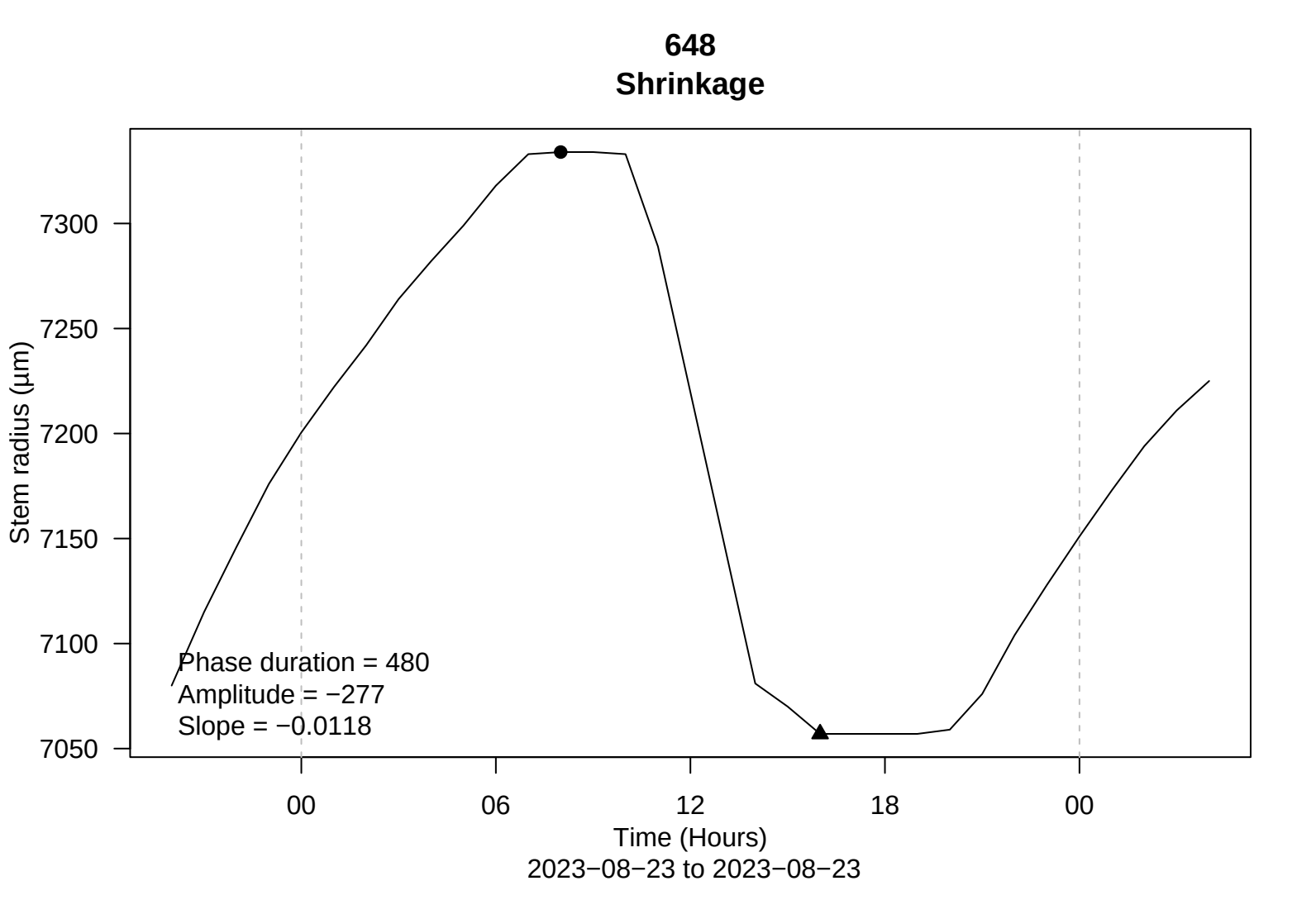

648
Expansion
7500
7400
7300
7200
Stem radius (µm)
Phase duration = 960
Amplitude = 236
Slope = 0.0051
12
00
12
Time (Hours)
2023−08−20 to 2023−08−21

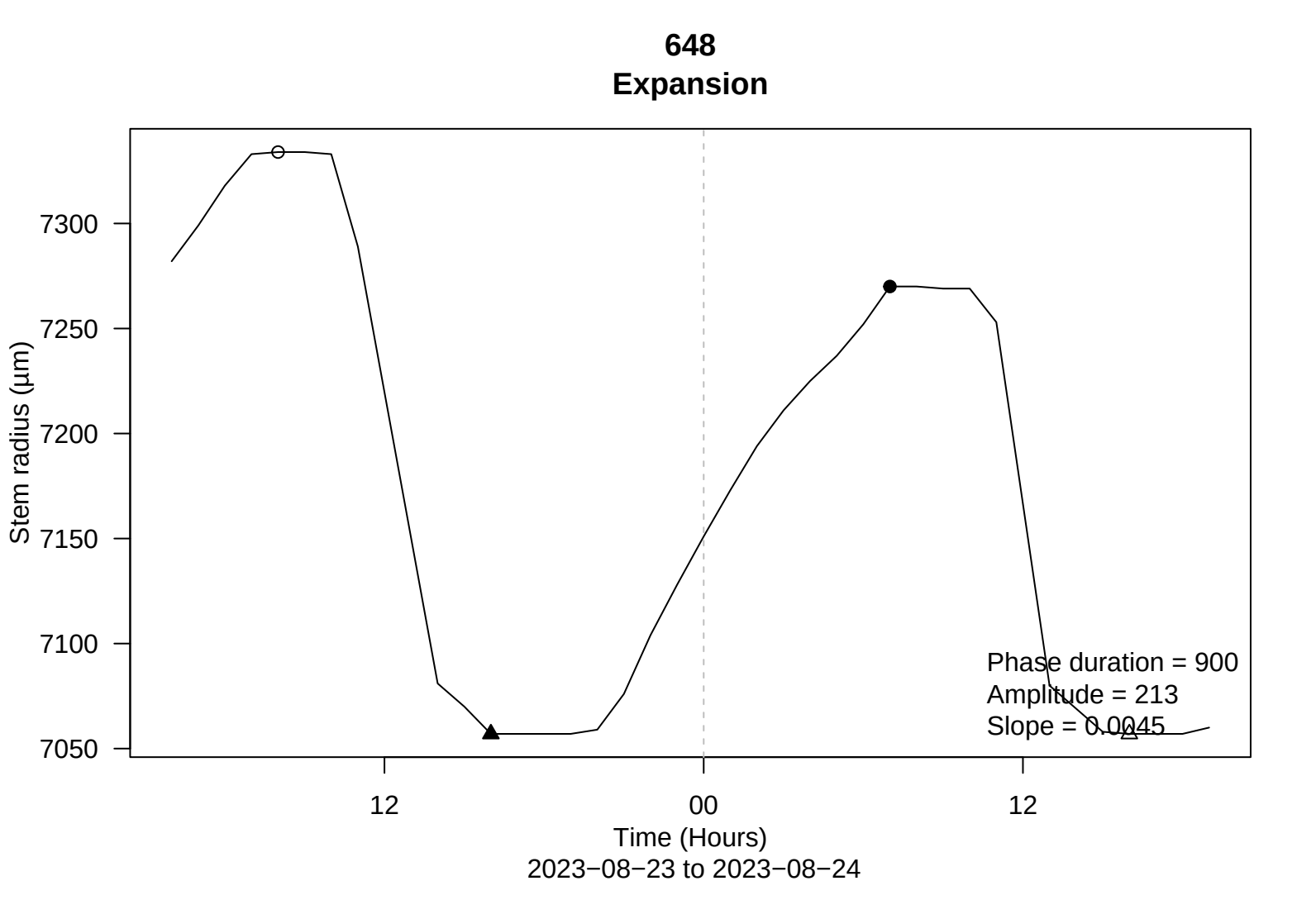

648
Shrinkage
7500
7400
7300
7200
Stem radius (µm)
Phase duration = 480
Amplitude = −396
Slope = −0.0162
00
12
00
Time (Hours)
2023−08−21 to 2023−08−21

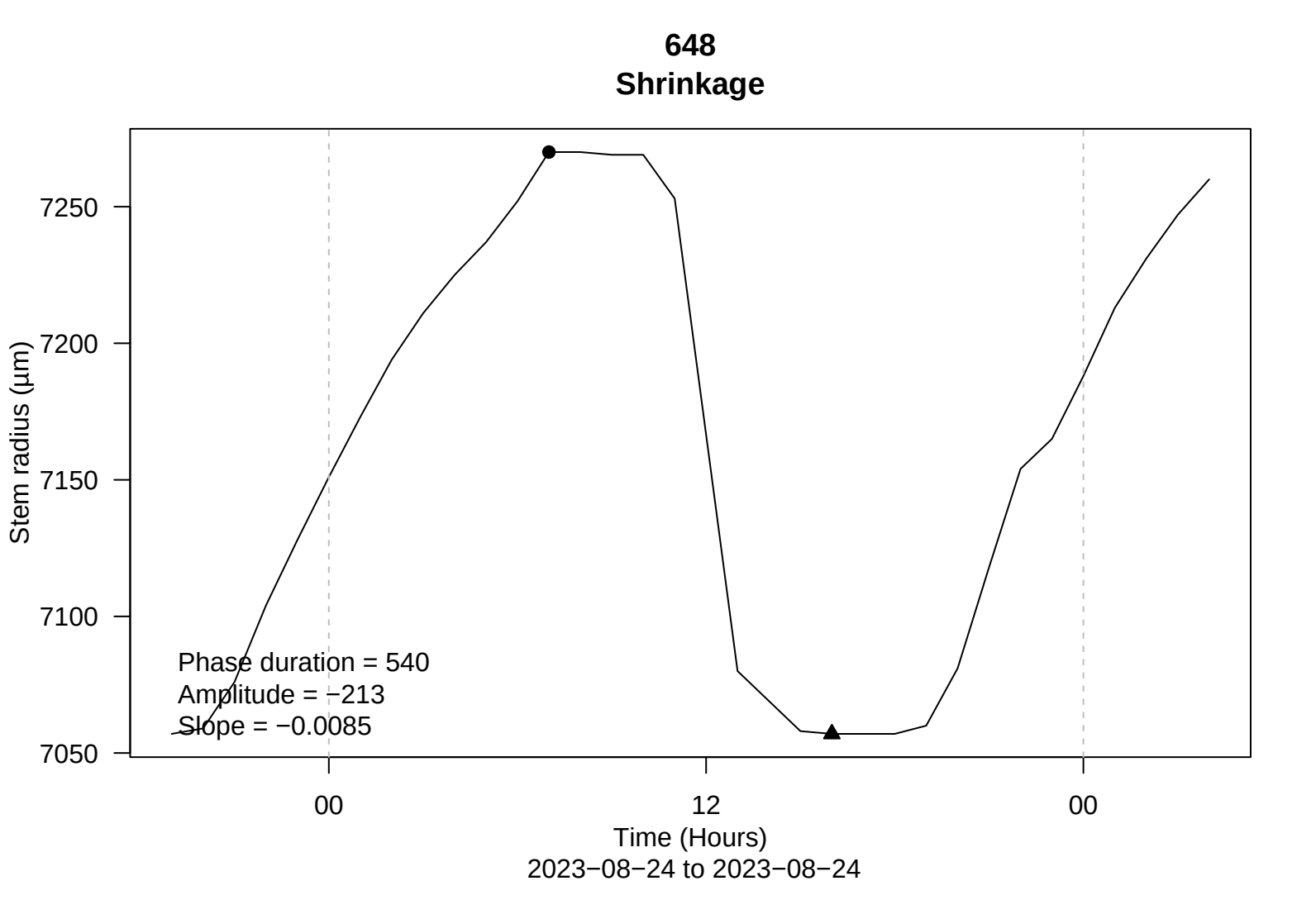

648
Expansion
7500
7400
7300
7200
7100
Stem radius (µm)
12
00
12
Time (Hours)
2023−08−21 to 2023−08−22
Phase duration = 840
Amplitude = 294
Slope = 0.007

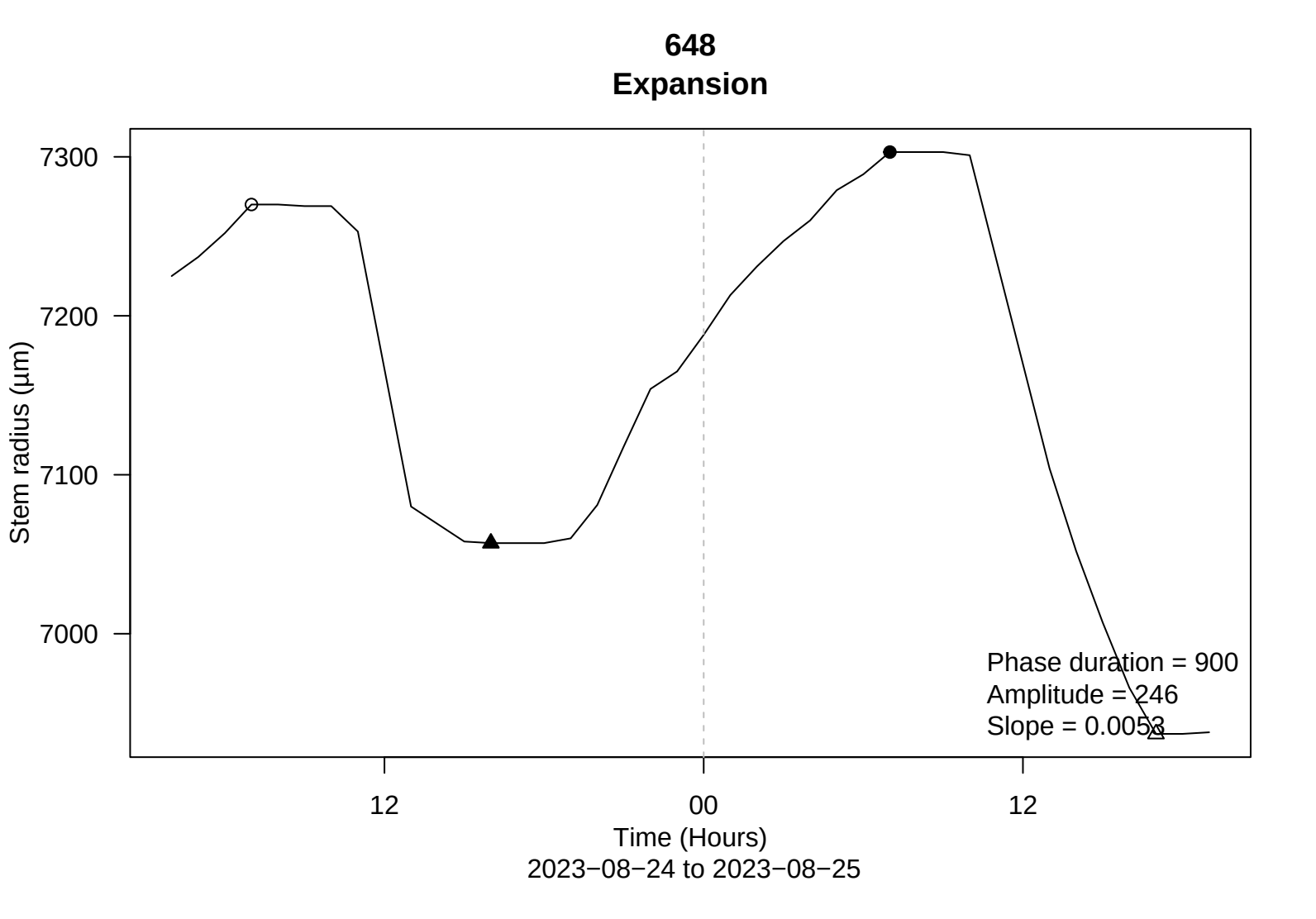

648
Shrinkage
7400
7300
7200
7100
Stem radius (µm)
Phase duration = 600
Amplitude = −362
Slope = −0.0126
00
12
00
Time (Hours)
2023−08−22 to 2023−08−22

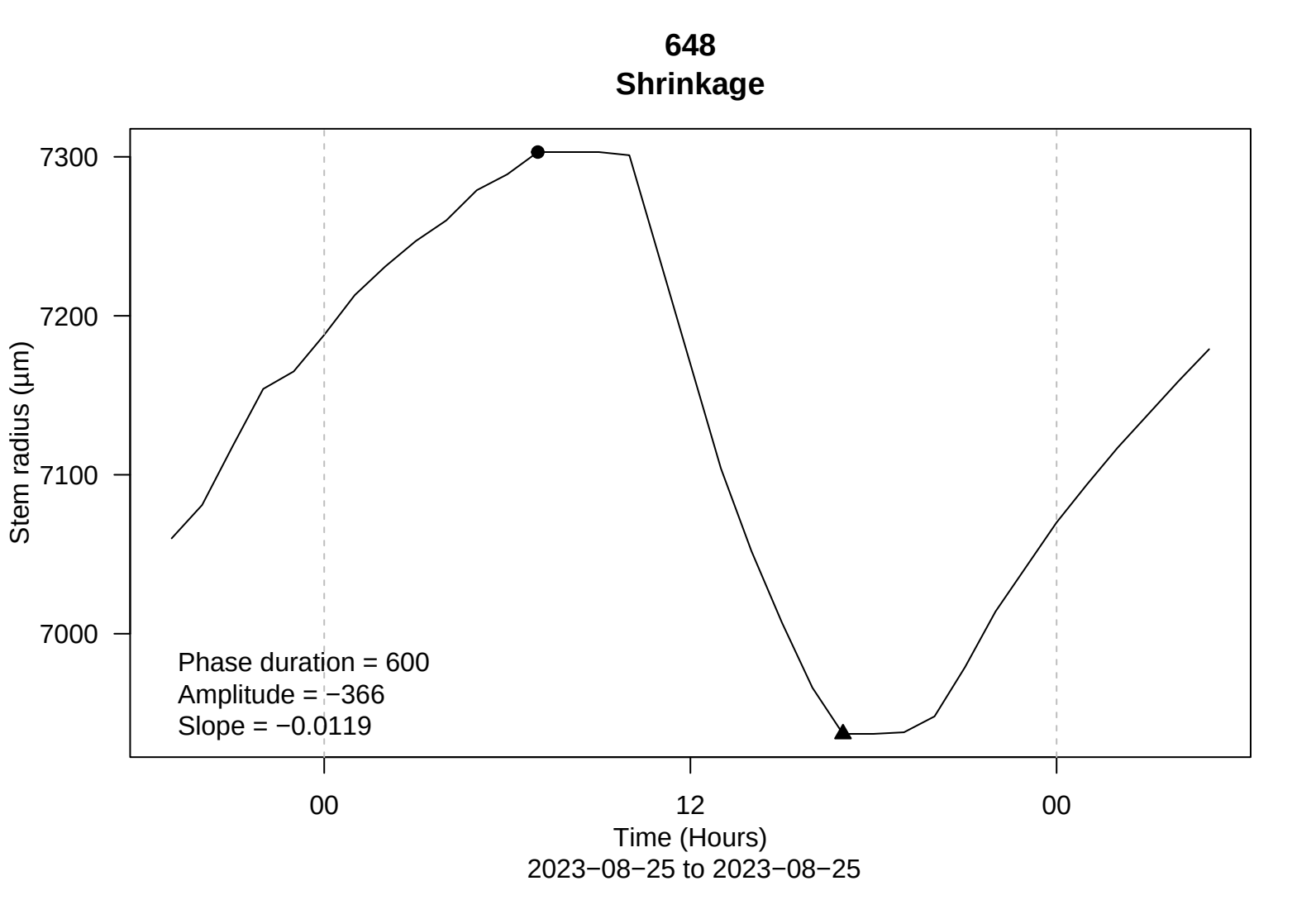

648
Expansion
7400
7300
7200
7100
Stem radius (µm)
12
00
12
Time (Hours)
2023−08−22 to 2023−08−23
Phase duration = 900
Amplitude = 274
Slope = 0.0059

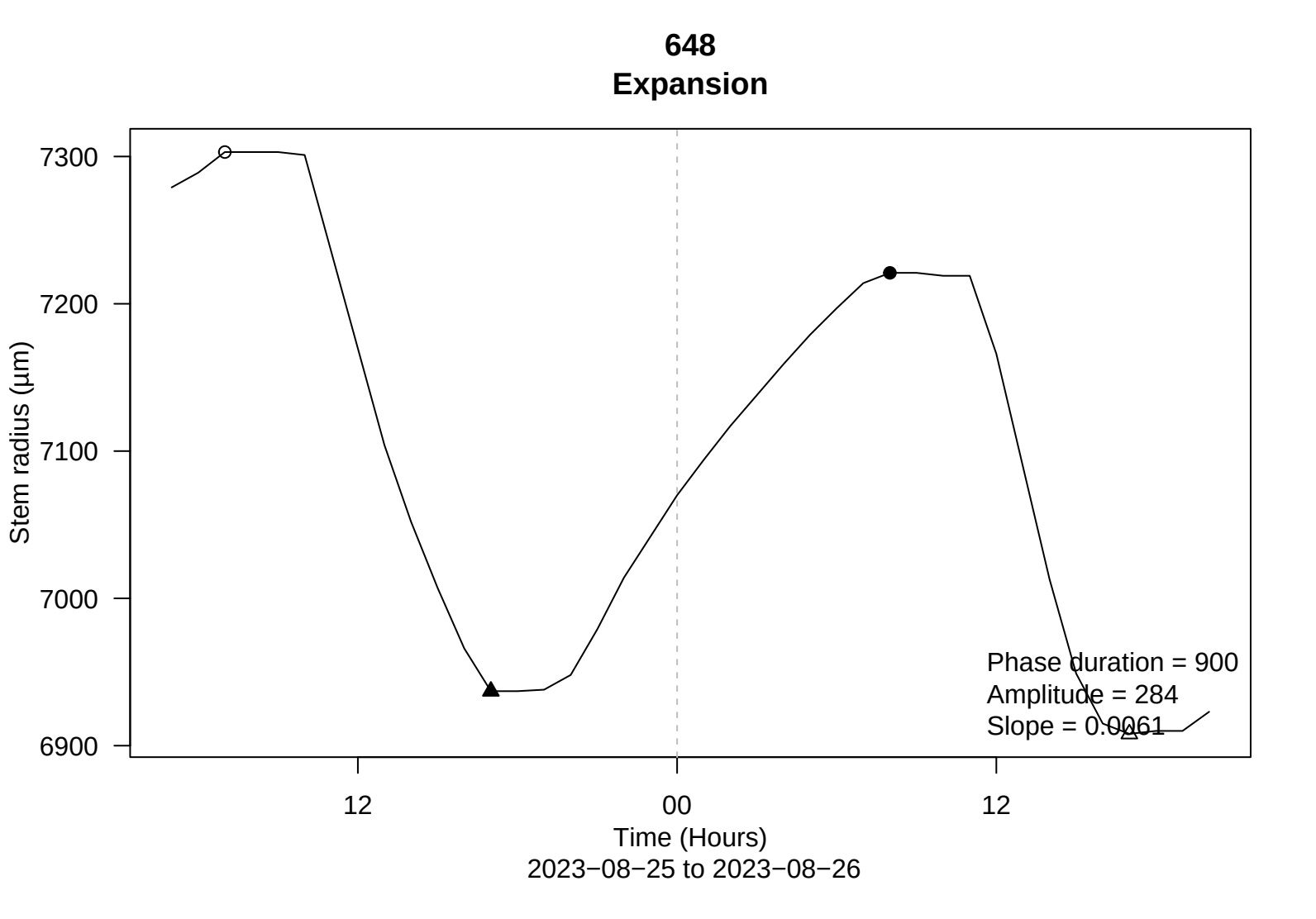

648
Shrinkage
Stem radius (µm)
7300
7250
7200
7150
7100
7050
Phase duration = 480
Amplitude = −277
Slope = −0.0118
00
06
12
18
00
Time (Hours)
2023−08−23 to 2023−08−23

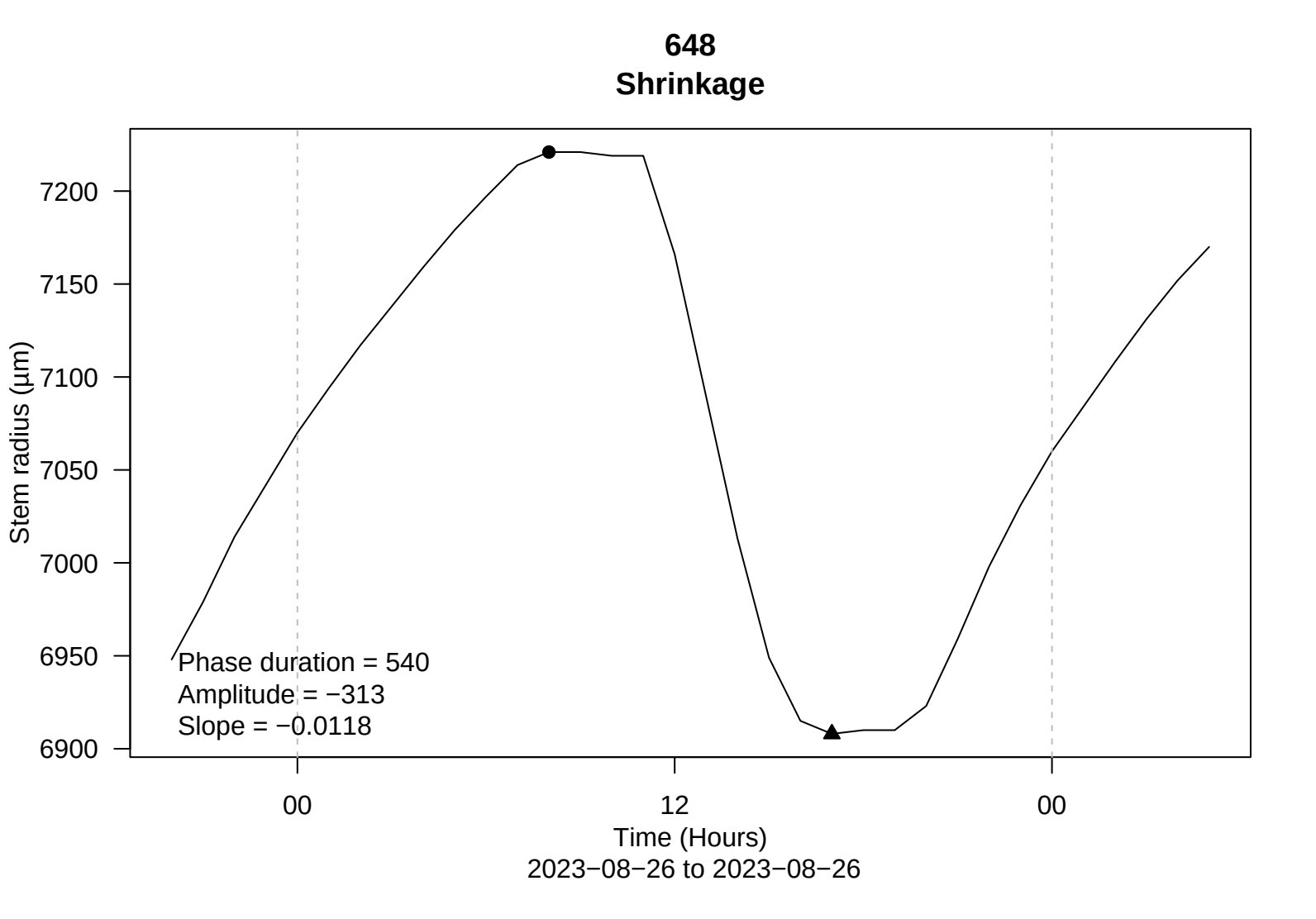

648
Expansion
7300
7250
7200
7150
7100
7050
Stem radius (µm)
12
00
12
Time (Hours)
2023−08−23 to 2023−08−24
Phase duration = 900
Amplitude = 213
Slope = 0.0045

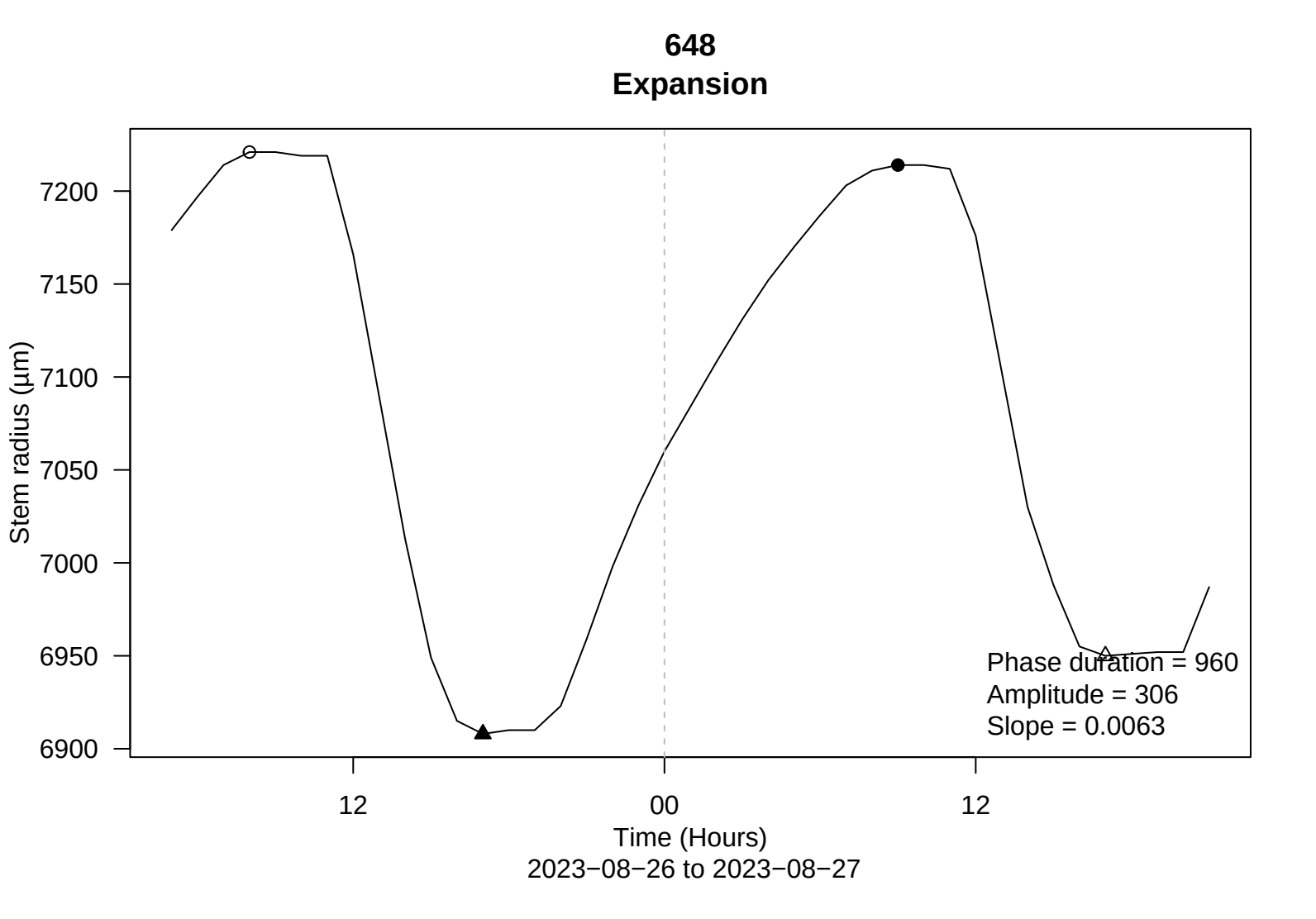

648
Shrinkage
7250
7200
7150
7100
7050
Stem radius (µm)
Phase duration = 540
Amplitude = −213
Slope = −0.0085
00
12
00
Time (Hours)
2023−08−24 to 2023−08−24

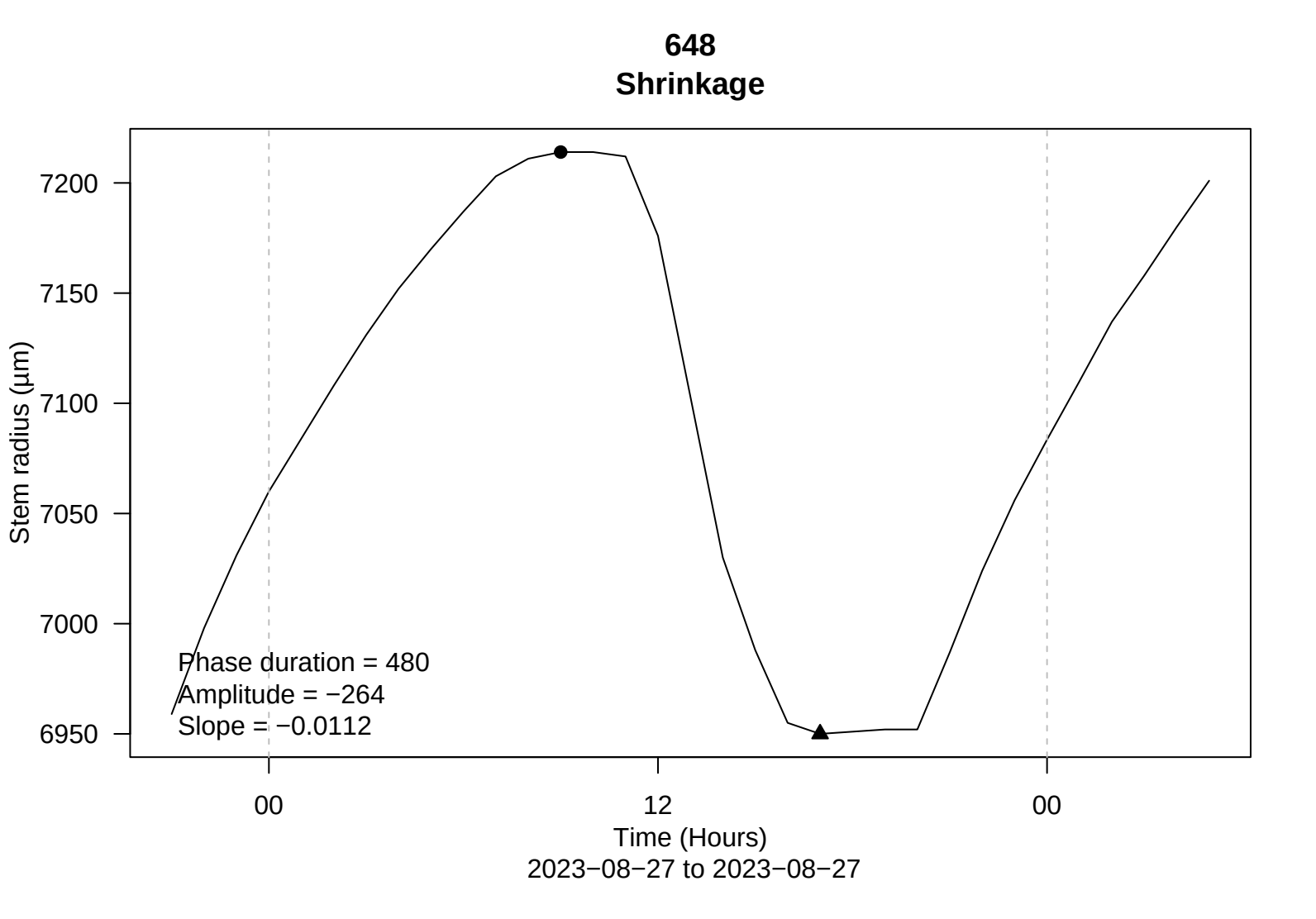

648
Expansion
7300
7200
7100
7000
Stem radius (µm)
Phase duration = 900
Amplitude = 246
Slope = 0.0053
12
00
12
Time (Hours)
2023−08−24 to 2023−08−25

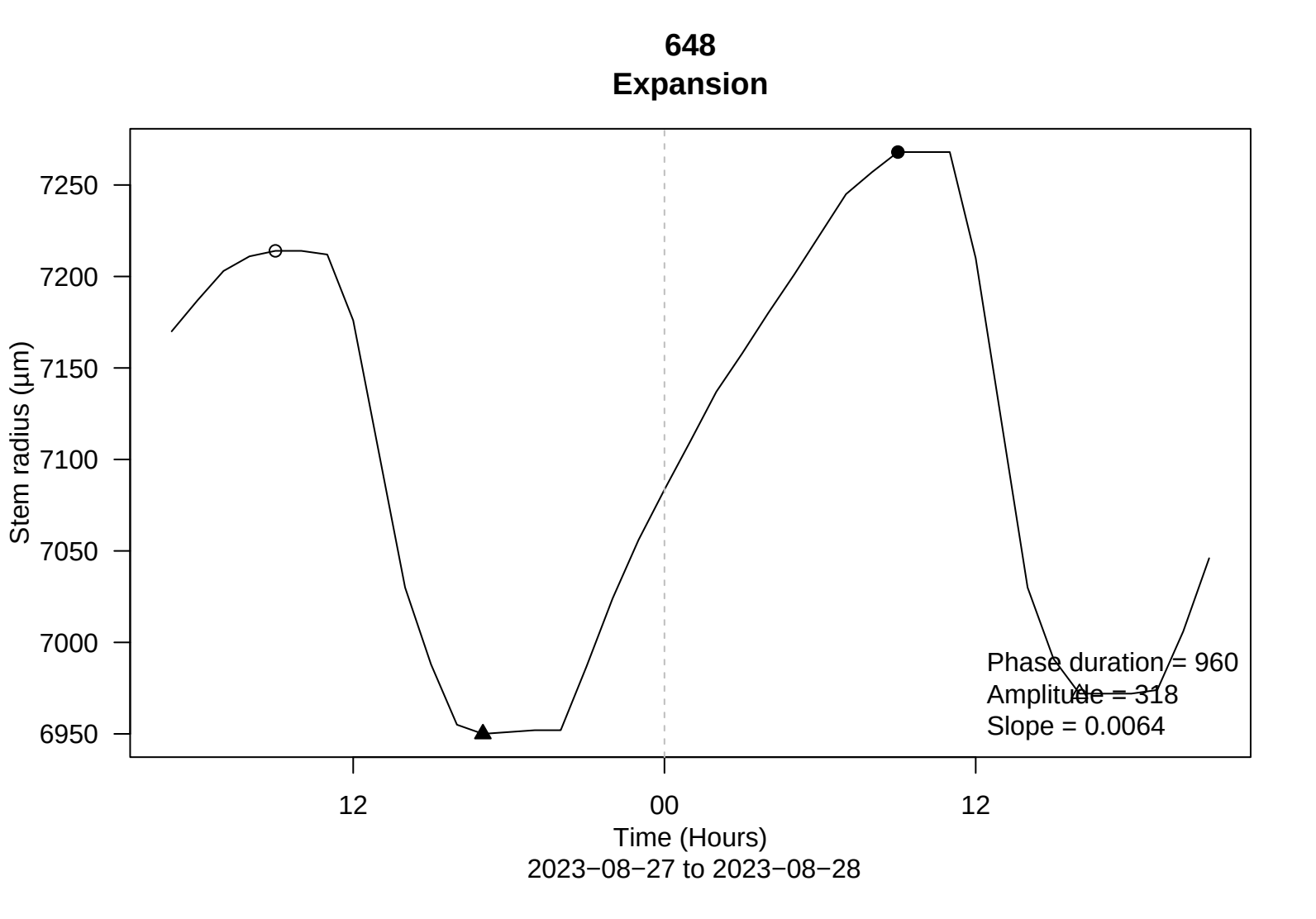

648
Shrinkage
7300
7200
7100
7000
Stem radius (µm)
Phase duration = 600
Amplitude = −366
Slope = −0.0119
00
12
00
Time (Hours)
2023−08−25 to 2023−08−25

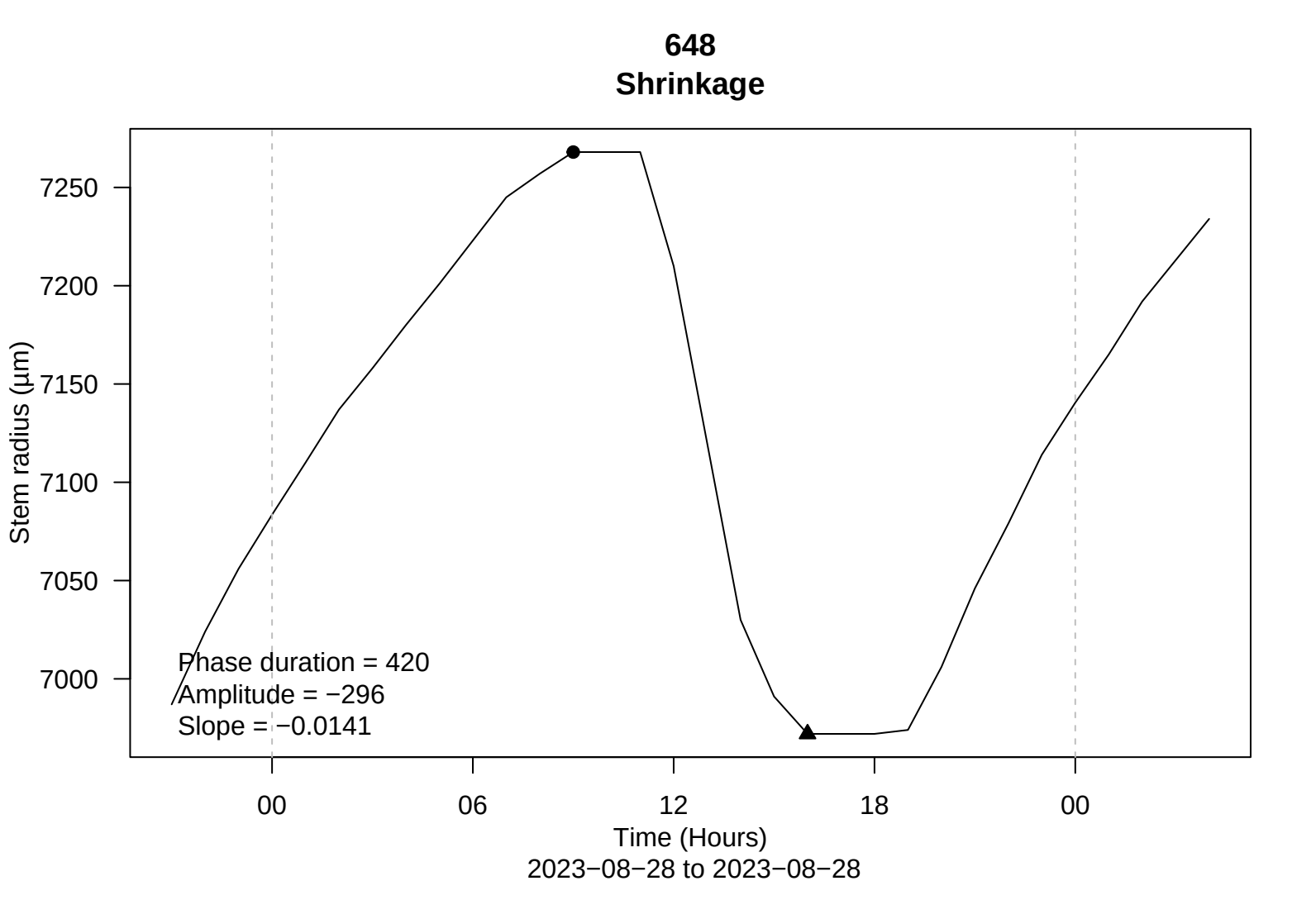

648
Expansion
7300
7200
7100
7000
6900
Stem radius (µm)
12
00
12
Time (Hours)
2023−08−25 to 2023−08−26
Phase duration = 900
Amplitude = 284
Slope = 0.0061

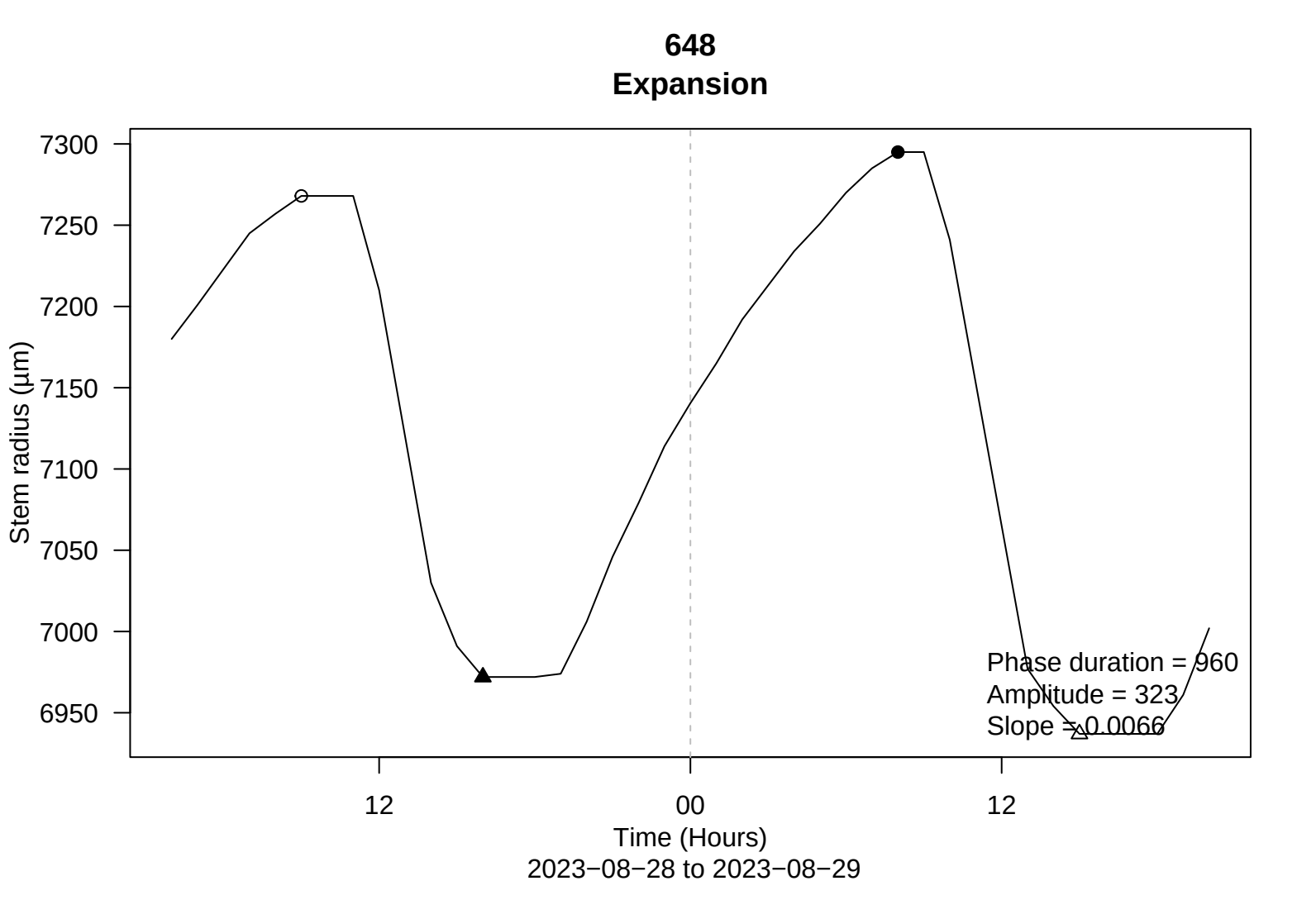

648
Shrinkage
7200
7150
7100
7050
7000
6950
6900
Stem radius (µm)
Phase duration = 540
Amplitude = −313
Slope = −0.0118
00
12
00
Time (Hours)
2023−08−26 to 2023−08−26

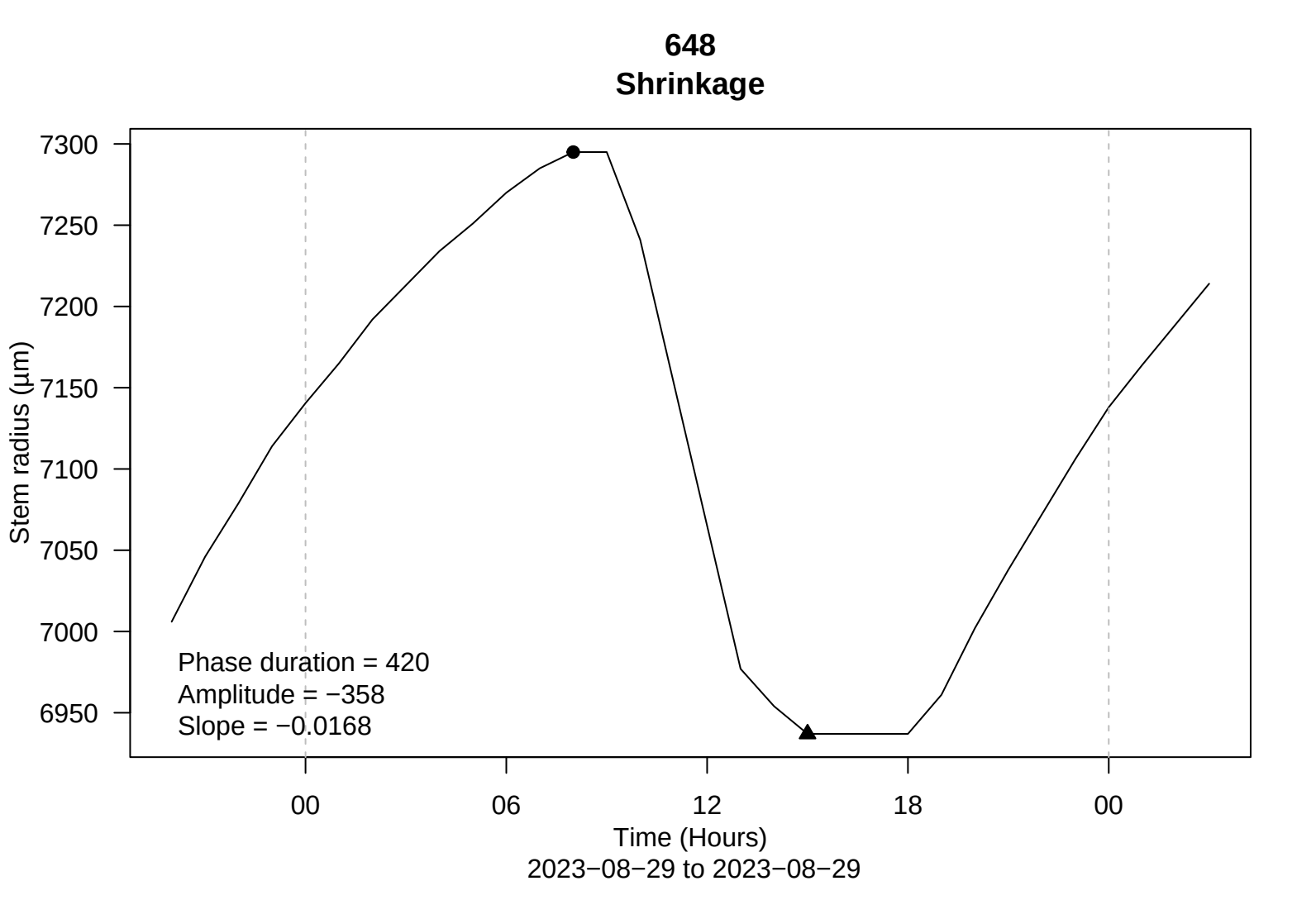

648
Expansion
7200
7150
7100
7050
7000
6950
6900
Stem radius (µm)
12
00
12
Time (Hours)
2023−08−26 to 2023−08−27
Phase duration = 960
Amplitude = 306
Slope = 0.0063

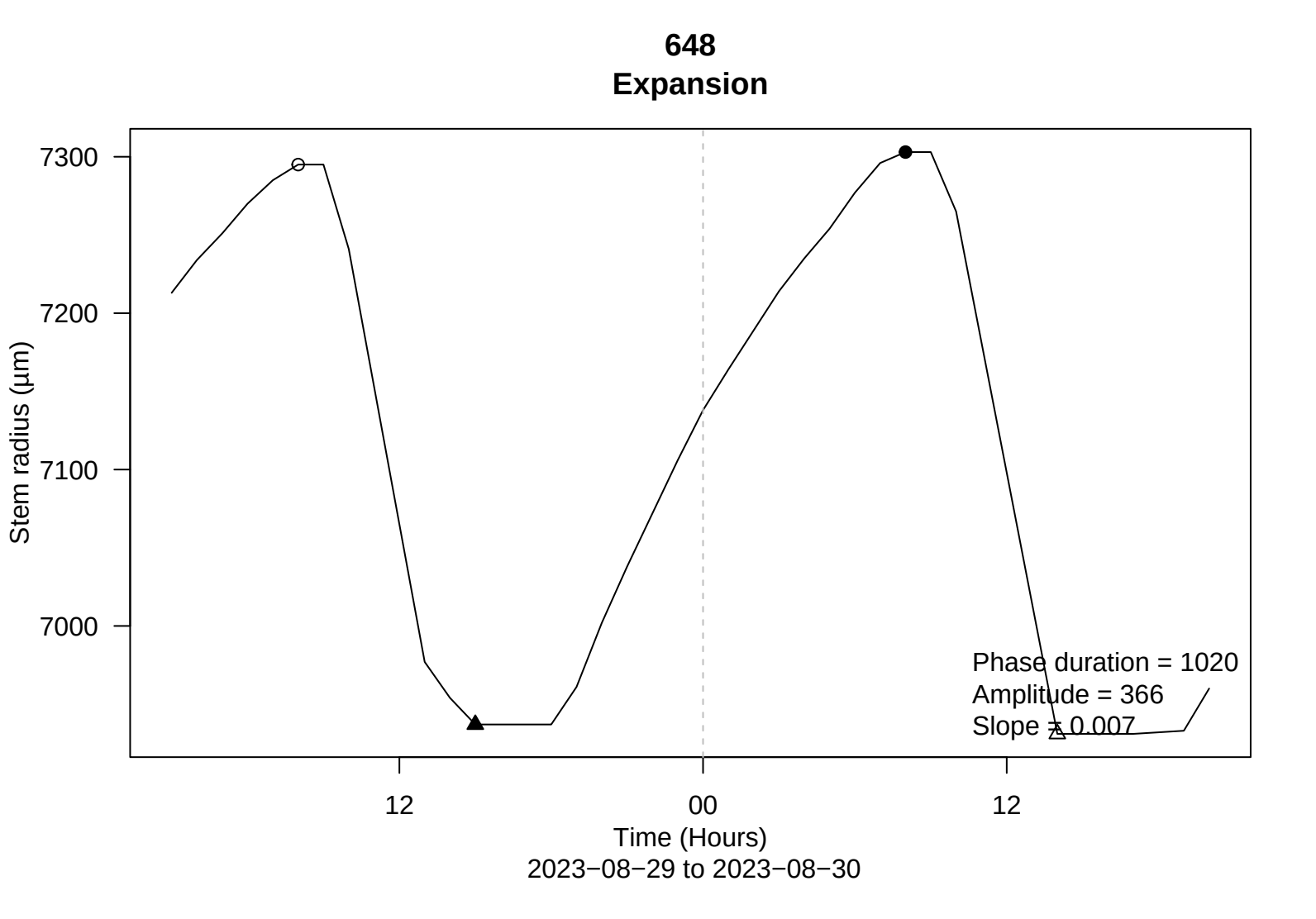

648
Shrinkage
7200
7150
7100
7050
7000
6950
Stem radius (µm)
Phase duration = 480
Amplitude = −264
Slope = −0.0112
00
12
00
Time (Hours)
2023−08−27 to 2023−08−27

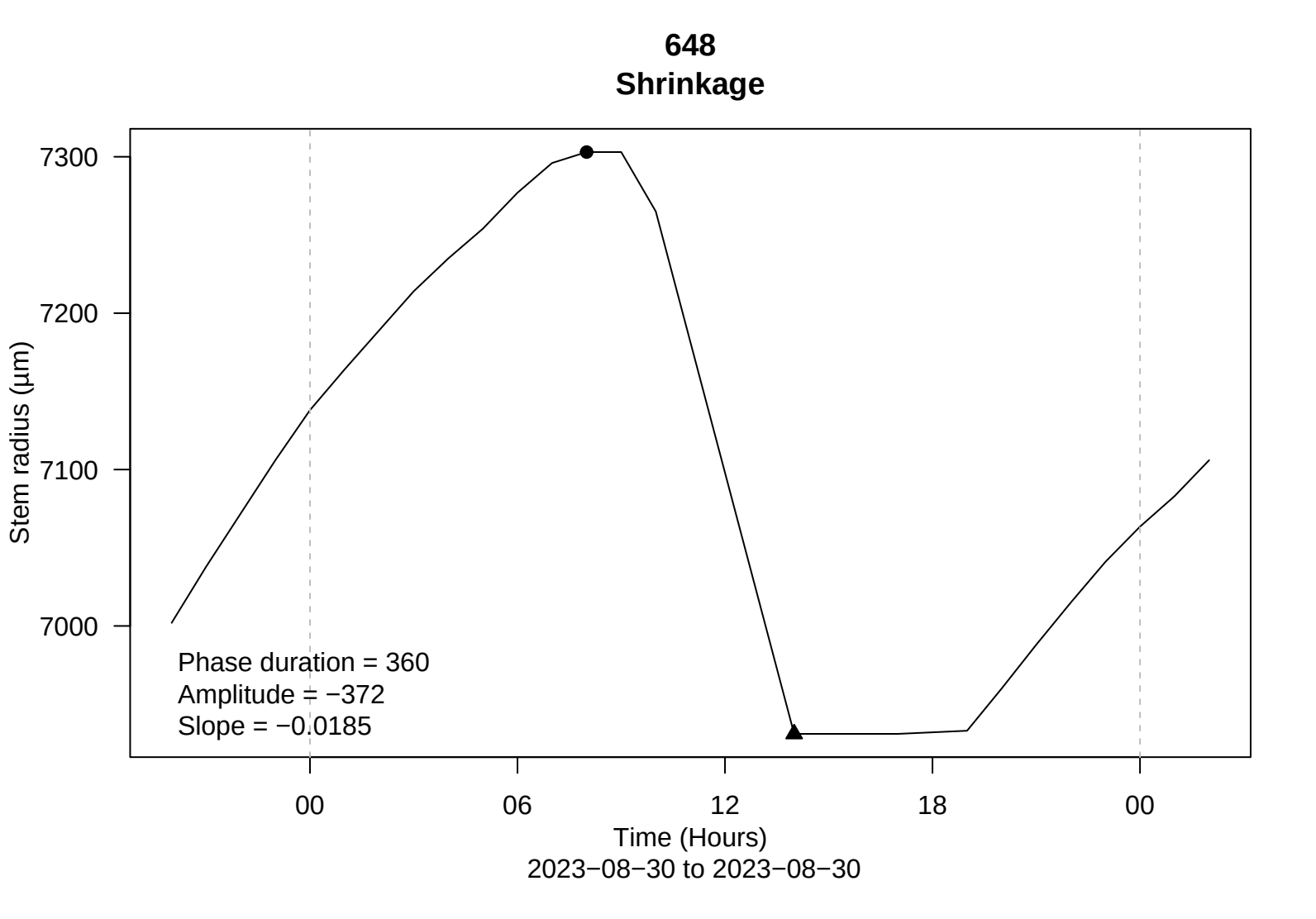

648
Expansion
7250
7200
7150
7100
7050
7000
6950
Stem radius (µm)
Phase duration = 960
Amplitude = 318
Slope = 0.0064
12
00
12
Time (Hours)
2023−08−27 to 2023−08−28

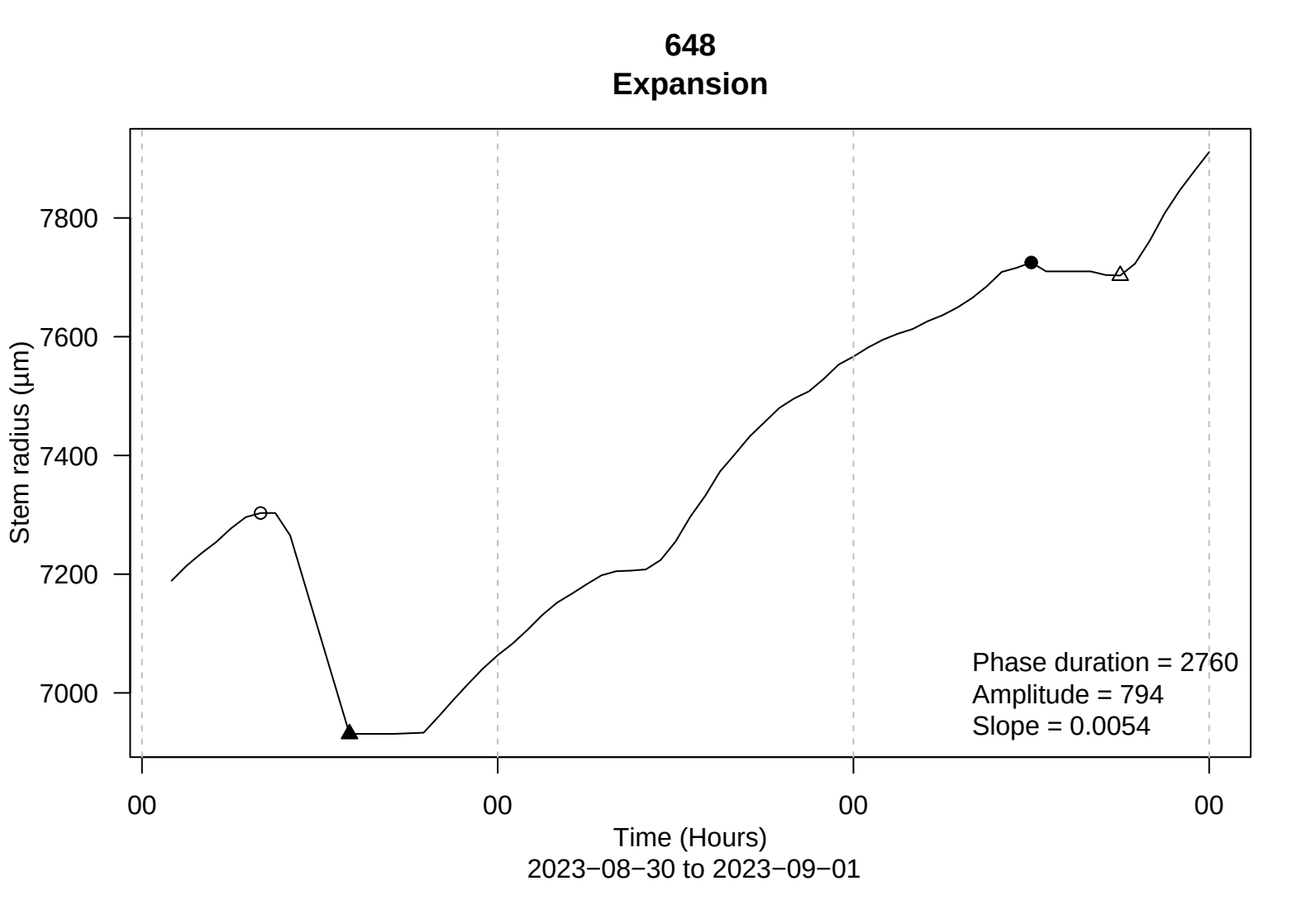

648
Shrinkage
7250
7200
7150
7100
7050
7000
Stem radius (µm)
Phase duration = 420
Amplitude = −296
Slope = −0.0141
00
06
12
18
00
Time (Hours)
2023−08−28 to 2023−08−28

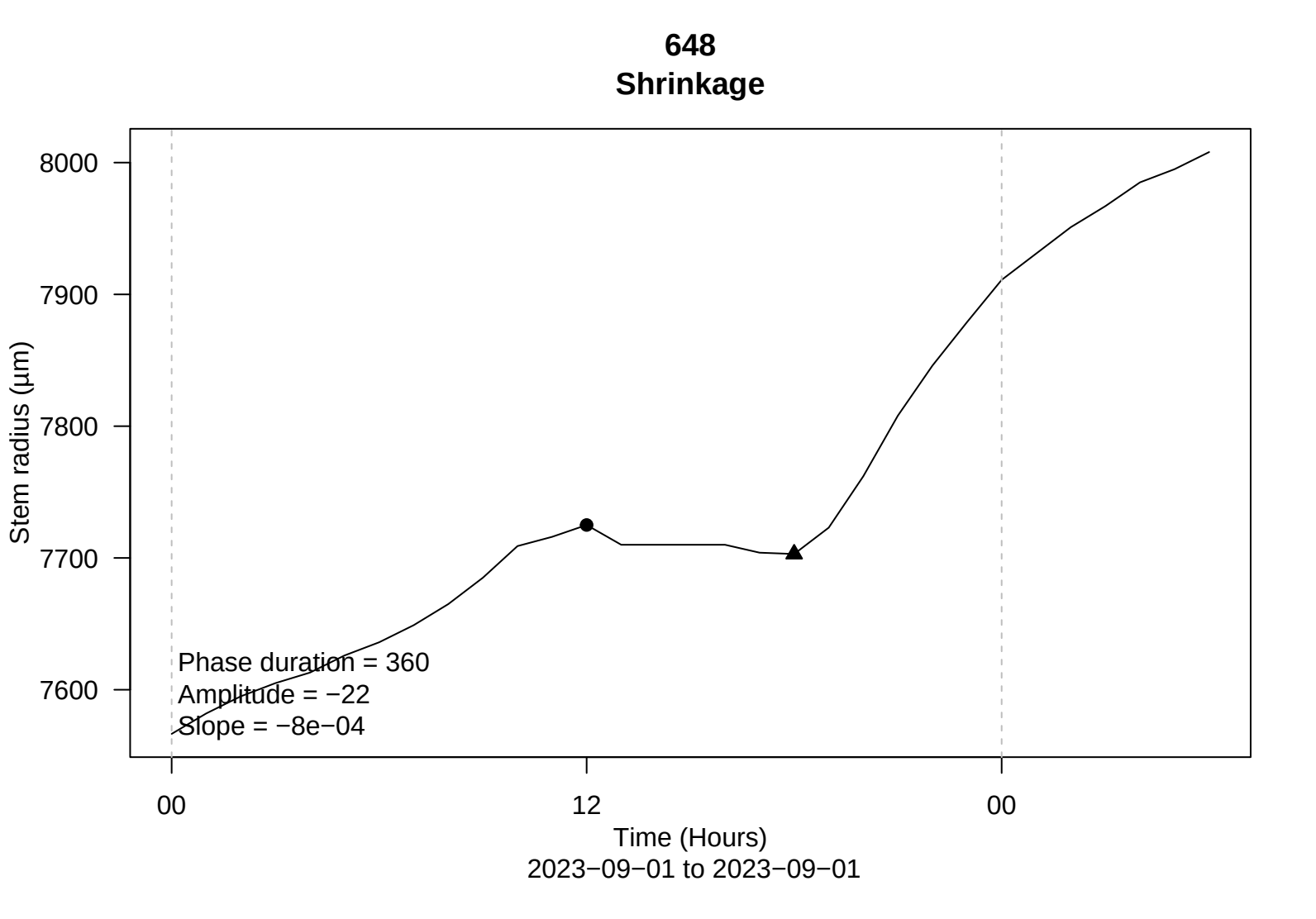

648
Expansion
7300
7250
7200
7150
7100
7050
7000
6950
Stem radius (µm)
12
00
12
Time (Hours)
2023−08−28 to 2023−08−29
Phase duration = 960
Amplitude = 323
Slope = 0.0066

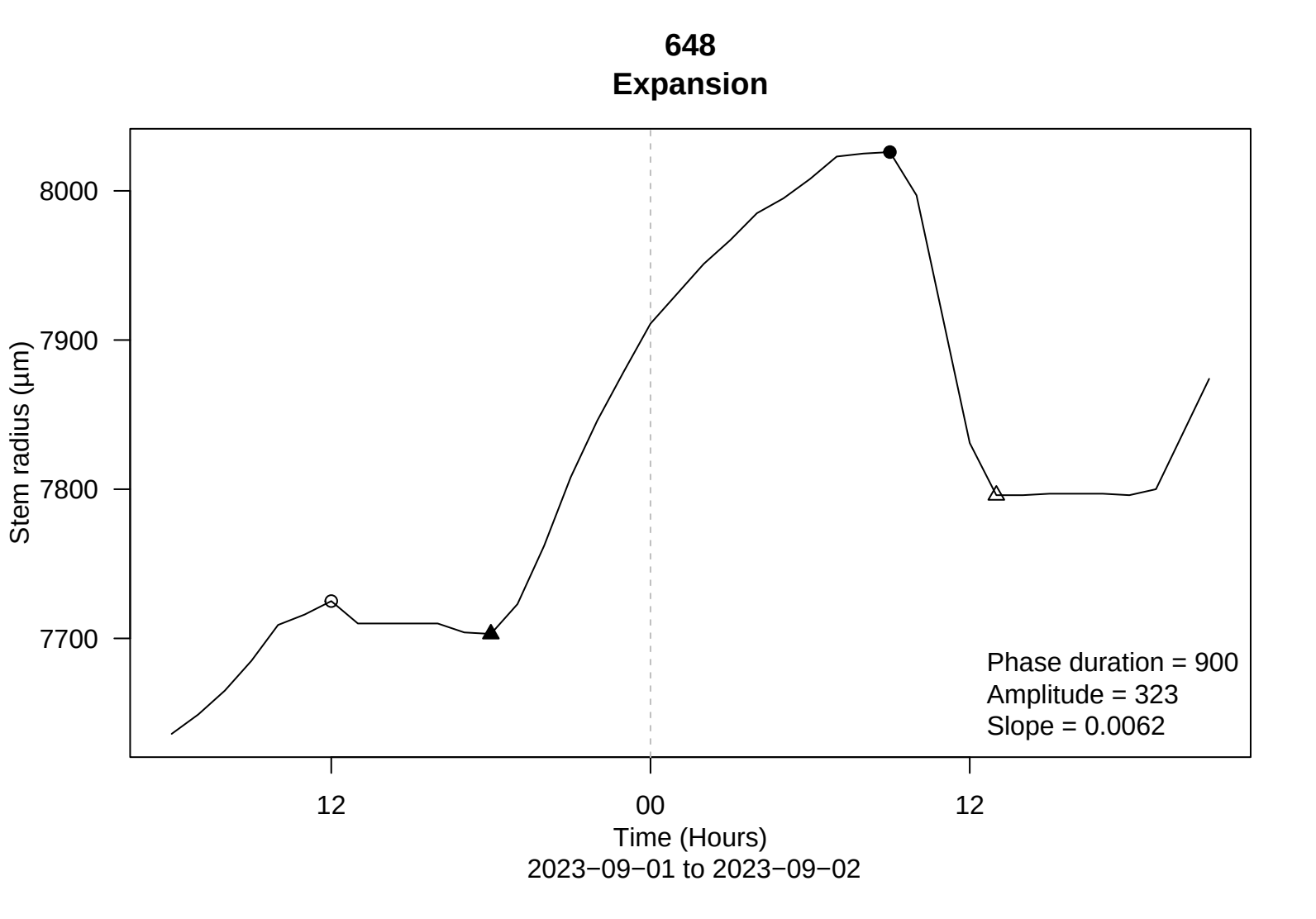

648
Shrinkage
7300
7250
7200
7150
7100
7050
7000
6950
Stem radius (µm)
Phase duration = 420
Amplitude = −358
Slope = −0.0168
00
06
12
18
00
Time (Hours)
2023−08−29 to 2023−08−29

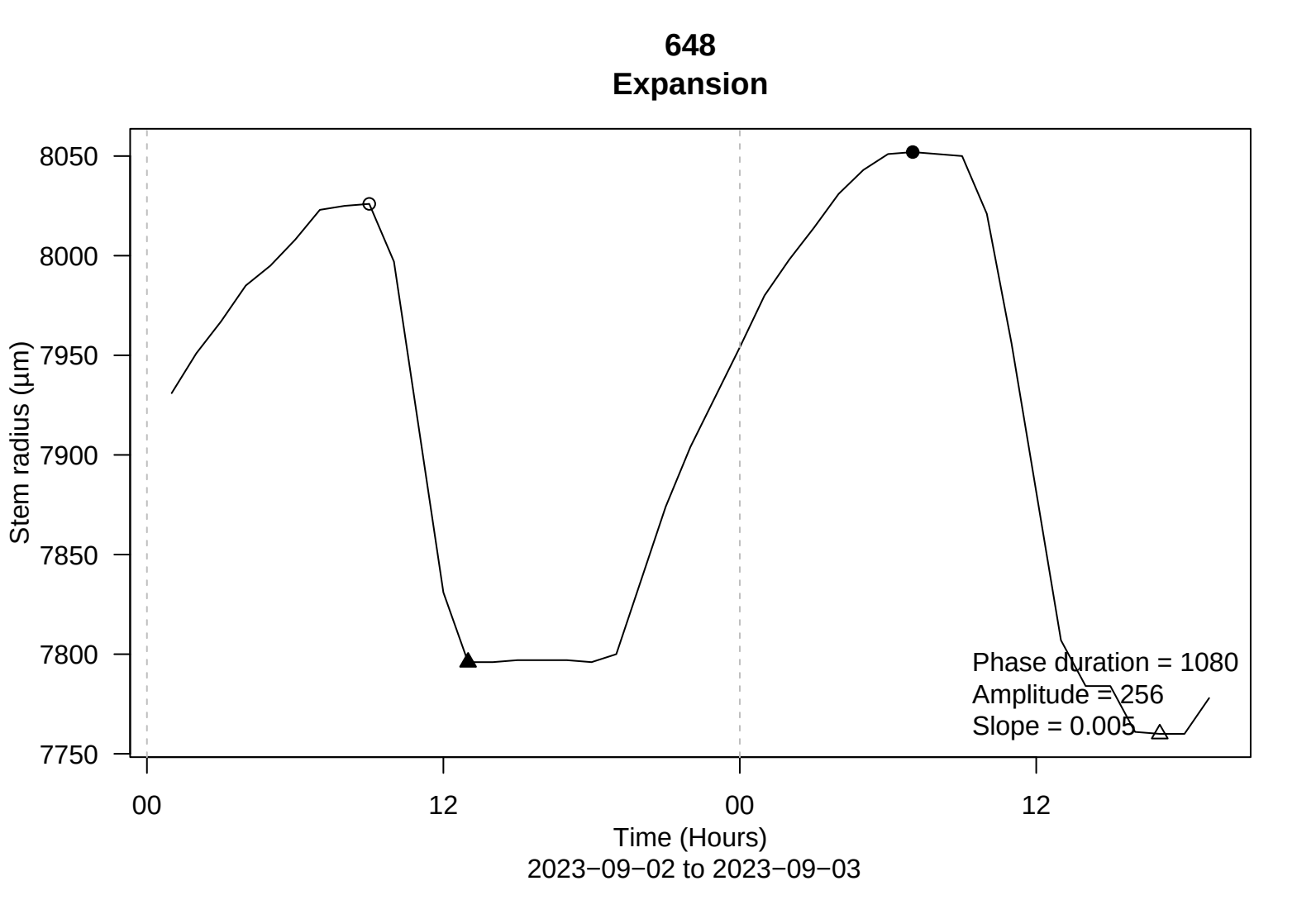

648
Expansion
7300
7200
7100
7000
Stem radius (µm)
Phase duration = 1020
Amplitude = 366
Slope = 0.007
12
00
12
Time (Hours)
2023−08−29 to 2023−08−30

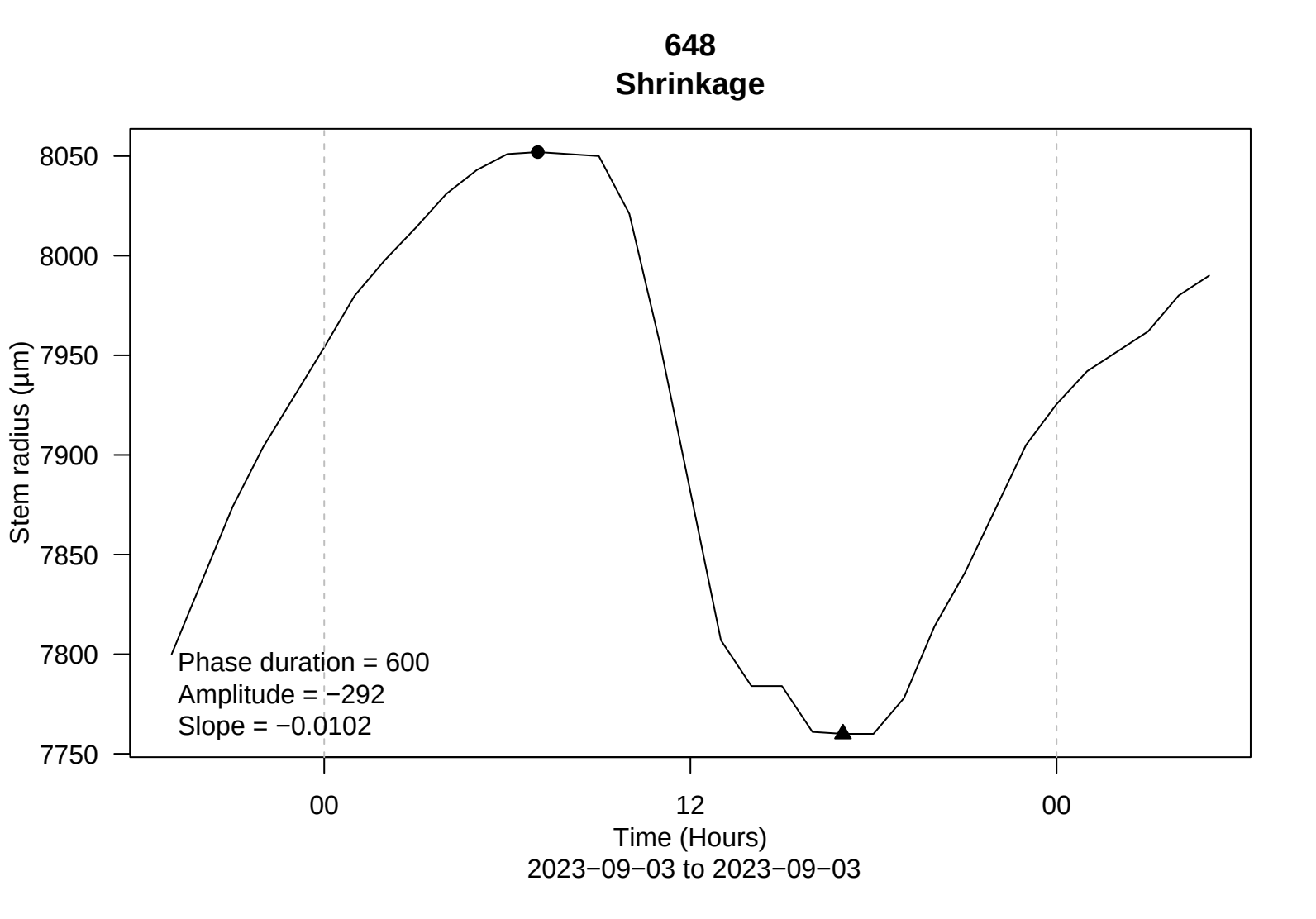

648
Shrinkage
7300
7200
7100
7000
Stem radius (µm)
Phase duration = 360
Amplitude = −372
Slope = −0.0185
00
06
12
18
00
Time (Hours)
2023−08−30 to 2023−08−30

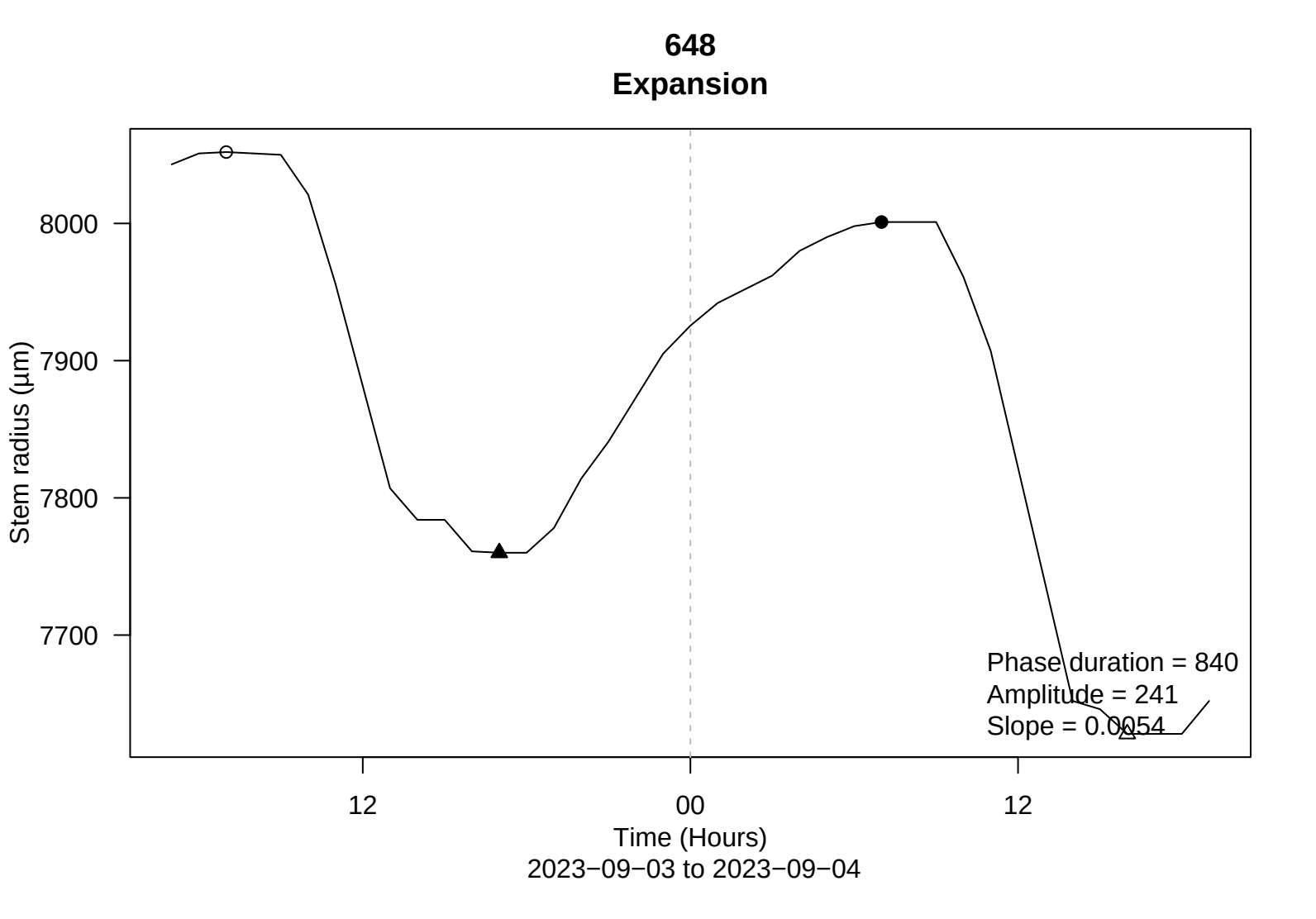

648
Expansion
7800
7600
7400
7200
7000
Stem radius (µm)
Phase duration = 2760
Amplitude = 794
Slope = 0.0054
00
00
00
00
Time (Hours)
2023−08−30 to 2023−09−01

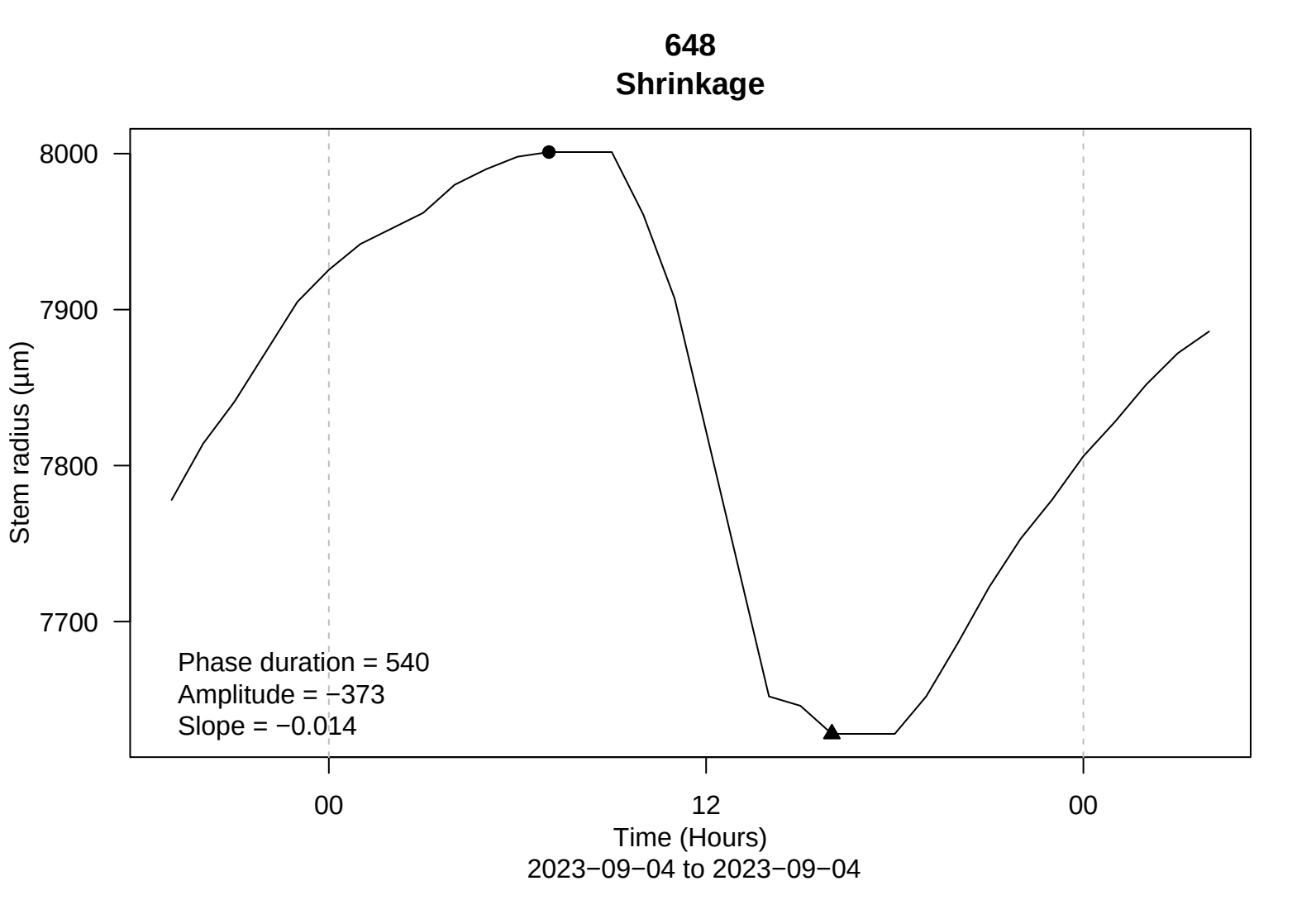

648
Shrinkage
8000
7900
7800
7700
7600
Stem radius (µm)
Phase duration = 360
Amplitude = −22
Slope = −8e−04
00
12
00
Time (Hours)
2023−09−01 to 2023−09−01

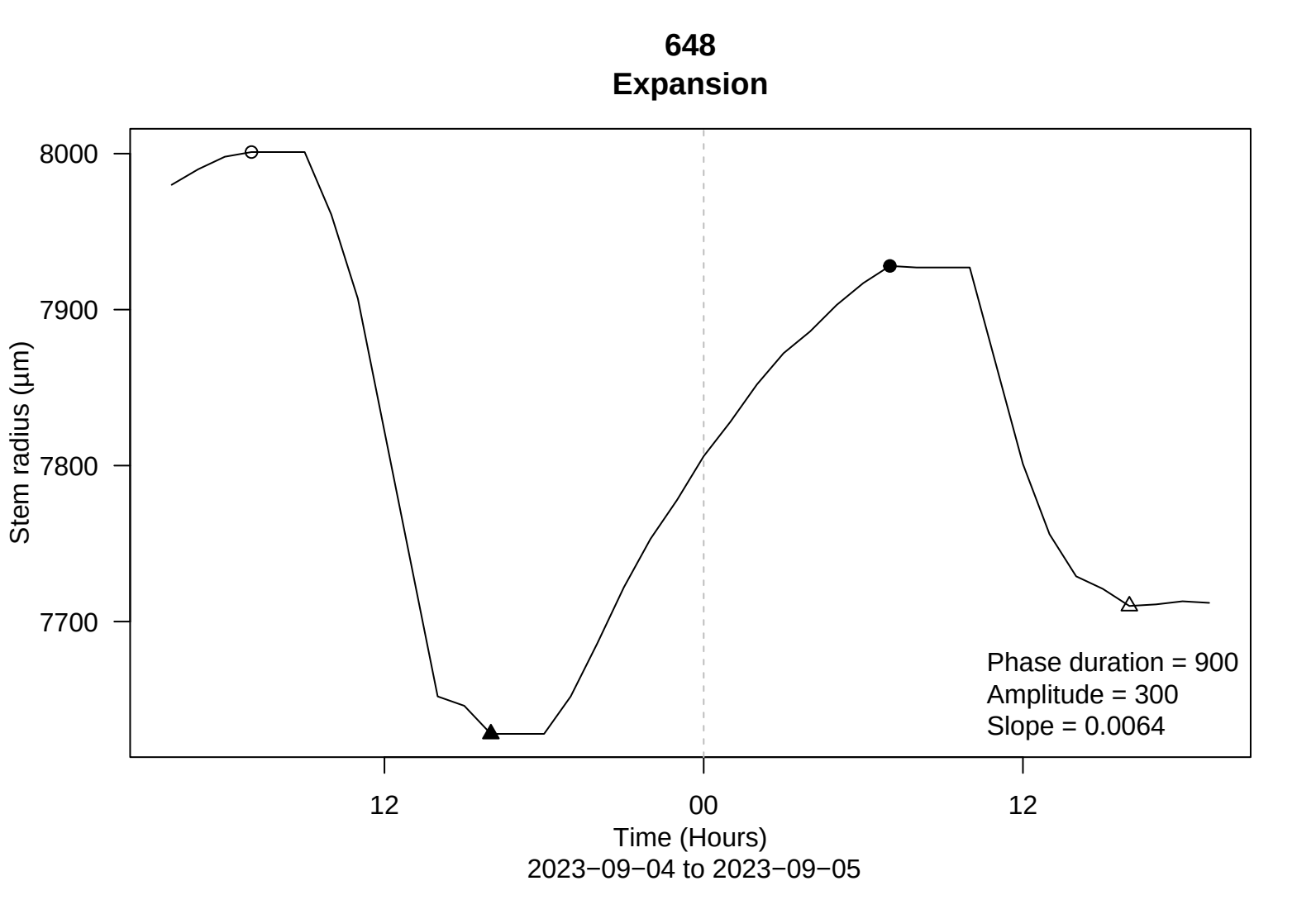

648
Expansion
8000
7900
7800
7700
Stem radius (µm)
Phase duration = 900
Amplitude = 323
Slope = 0.0062
12
00
12
Time (Hours)
2023−09−01 to 2023−09−02

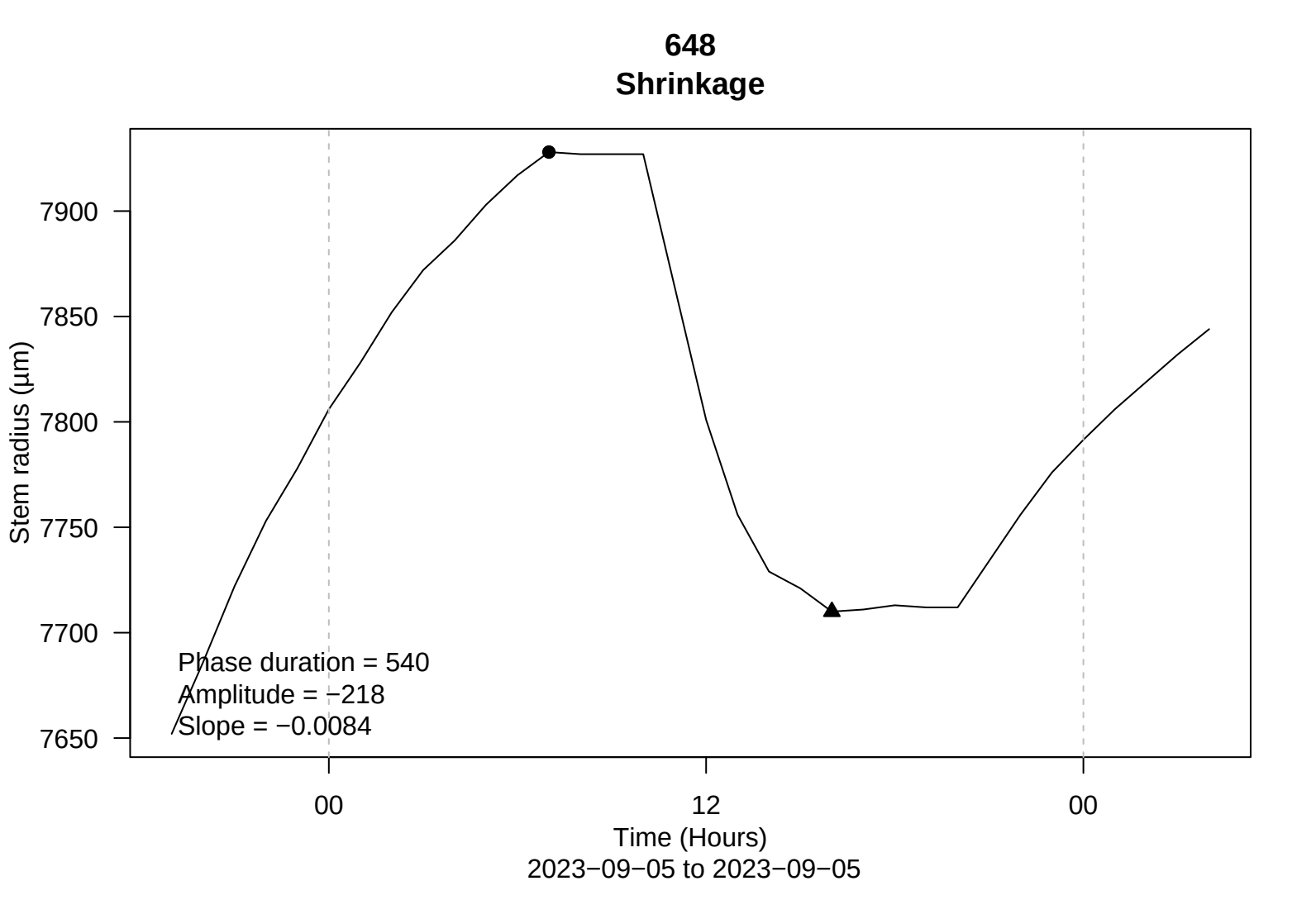

648
Expansion
8050
8000
7950
7900
7850
7800
7750
Stem radius (µm)
00
12
00
12
Time (Hours)
2023−09−02 to 2023−09−03
Phase duration = 1080
Amplitude = 256
Slope = 0.005

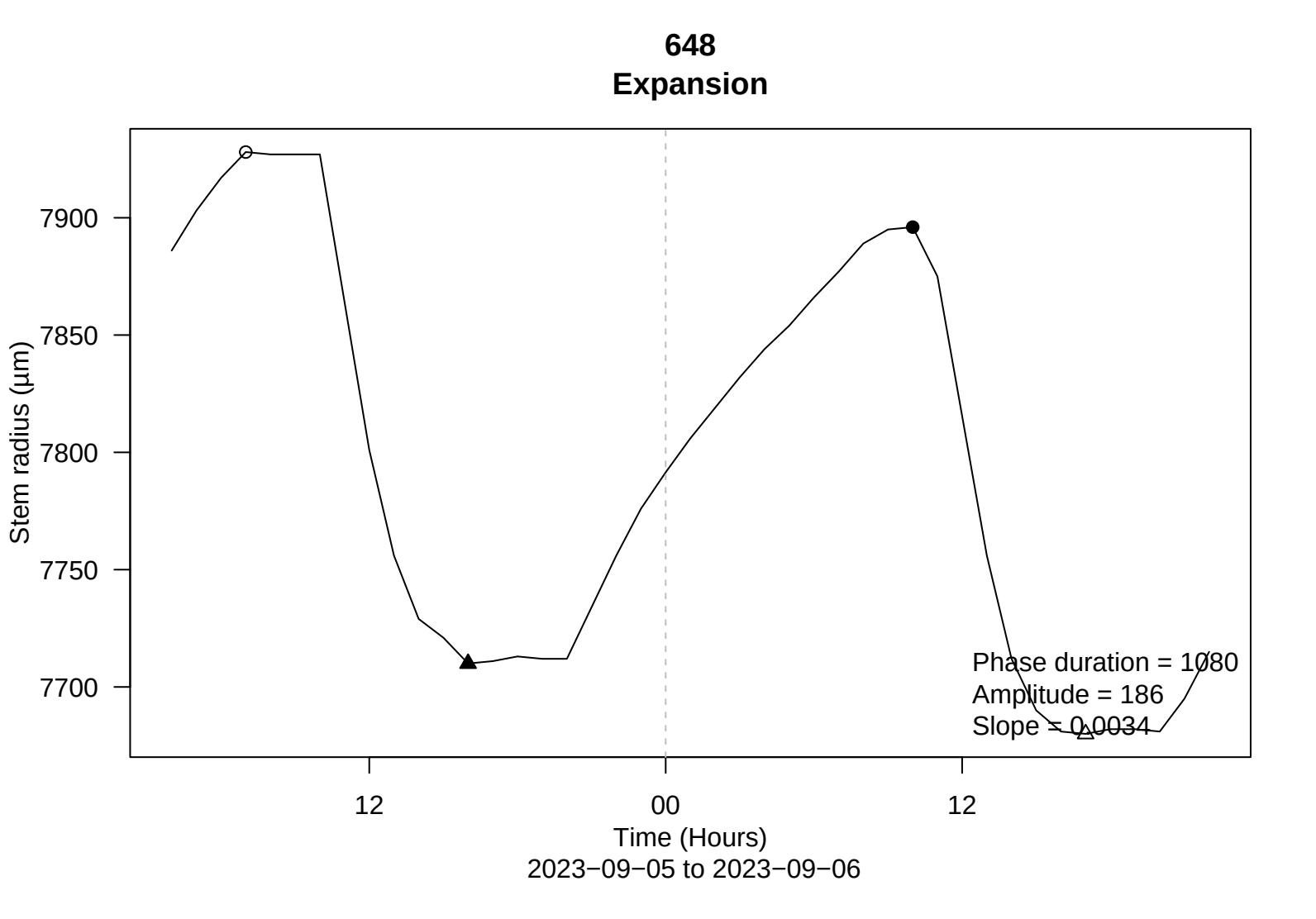

648
Shrinkage
8050
8000
7950
7900
7850
7800
7750
Stem radius (µm)
Phase duration = 600
Amplitude = −292
Slope = −0.0102
00
12
00
Time (Hours)
2023−09−03 to 2023−09−03

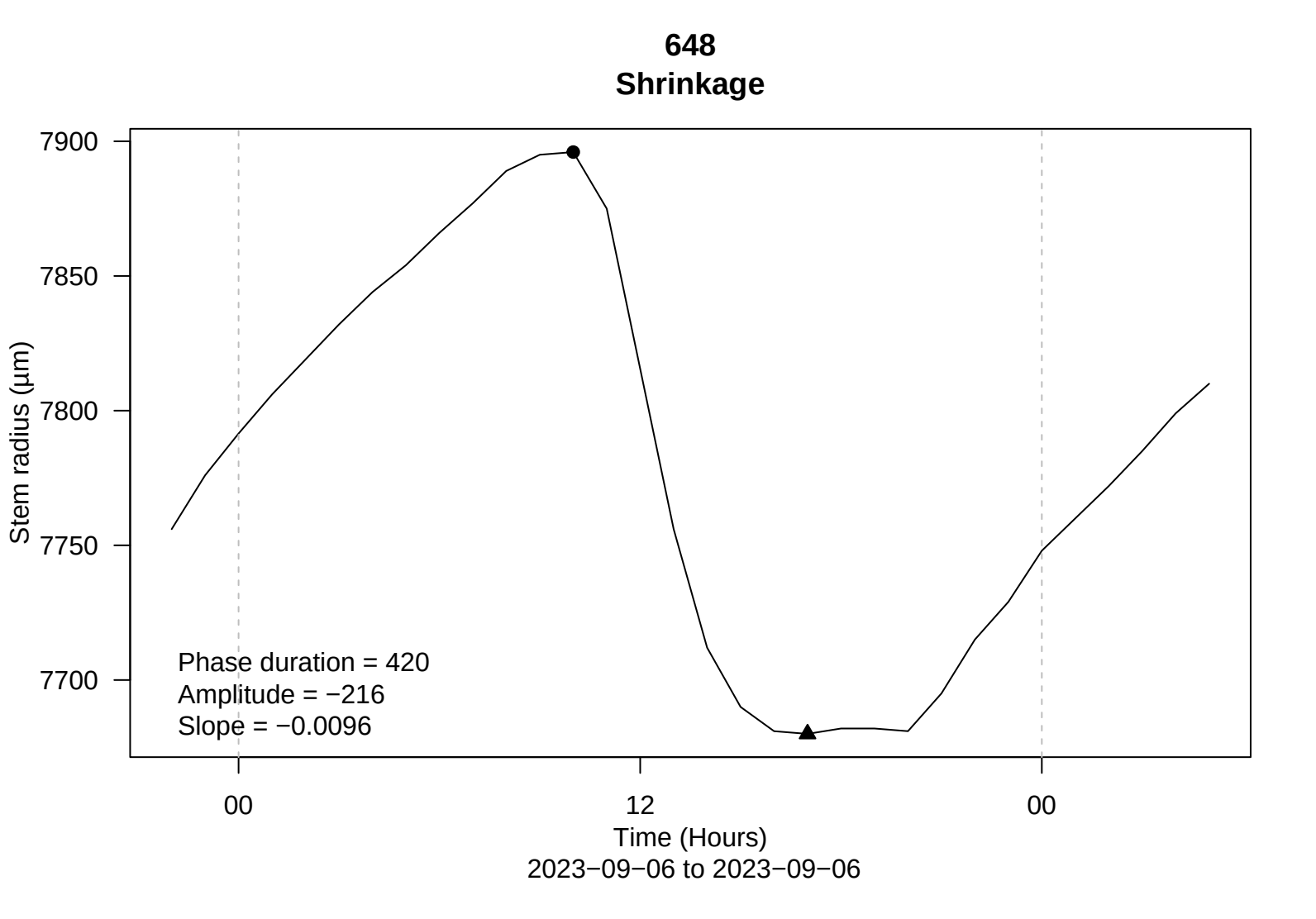

648
Expansion
8000
7900
7800
7700
Stem radius (µm)
Phase duration = 840
Amplitude = 241
Slope = 0.0054
12
00
12
Time (Hours)
2023−09−03 to 2023−09−04

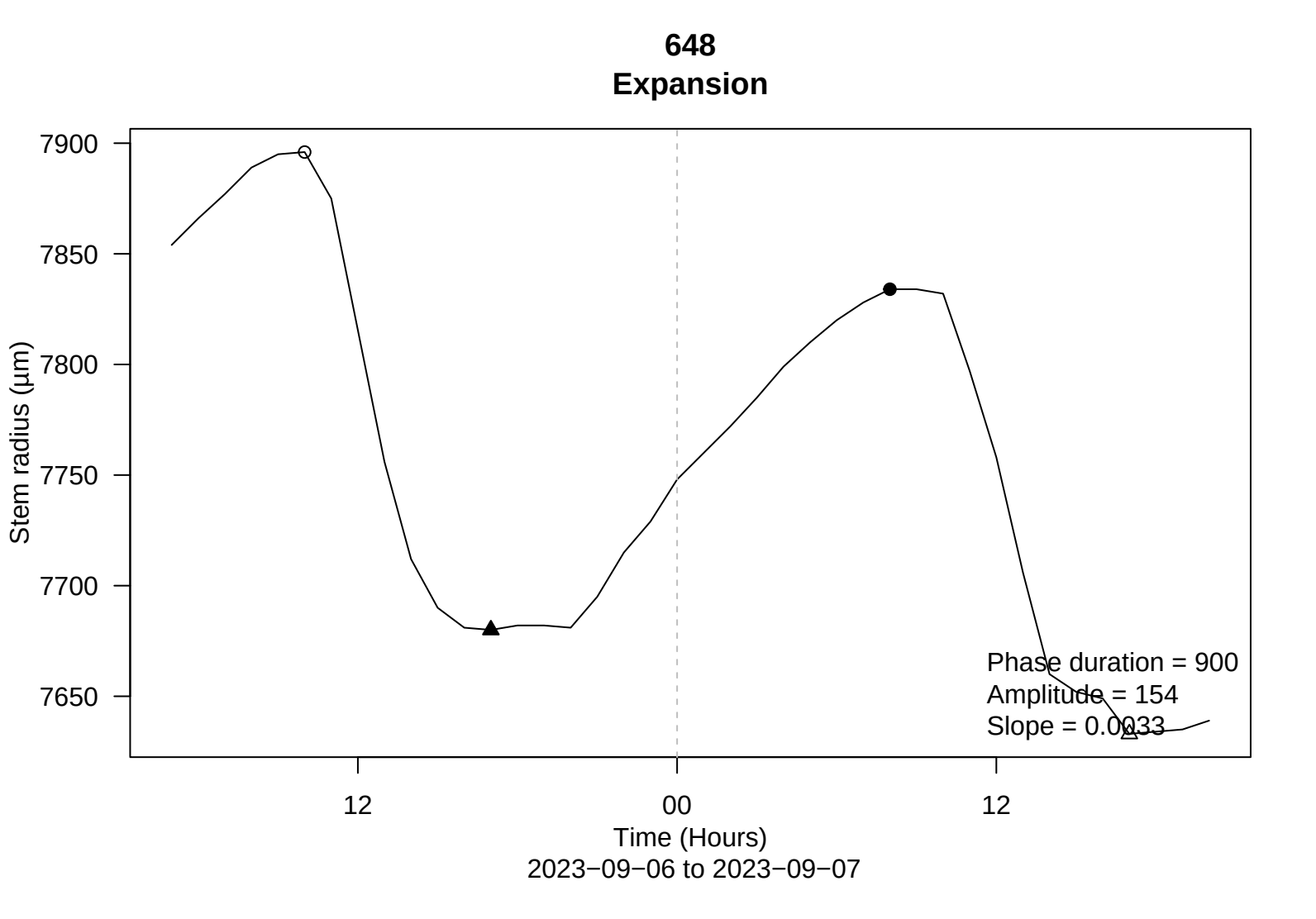

648
Shrinkage
8000
7900
7800
7700
Stem radius (µm)
Phase duration = 540
Amplitude = −373
Slope = −0.014
00
12
00
Time (Hours)
2023−09−04 to 2023−09−04

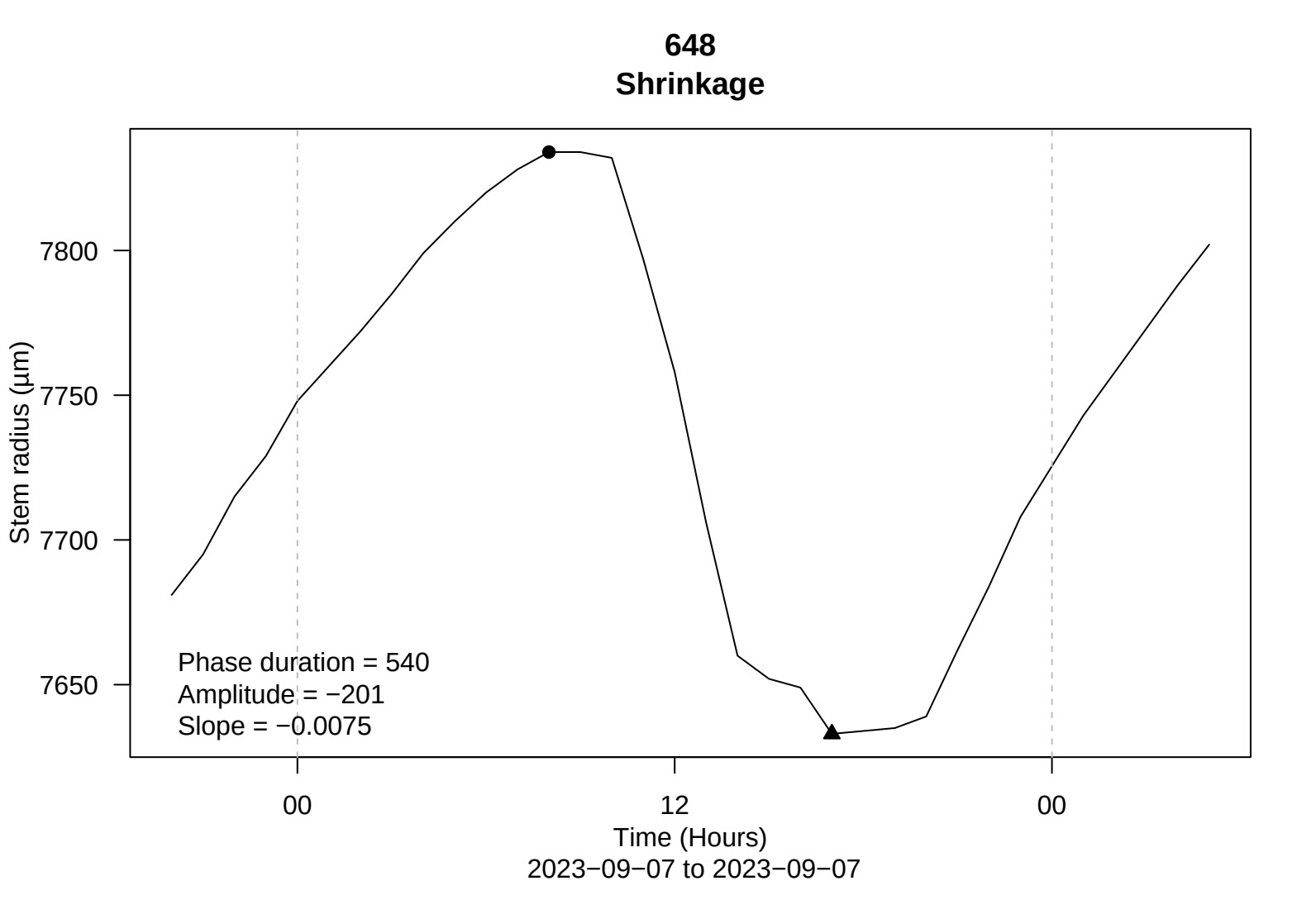

648
Expansion
8000
7900
7800
7700
Stem radius (µm)
Phase duration = 900
Amplitude = 300
Slope = 0.0064
12
00
12
Time (Hours)
2023−09−04 to 2023−09−05

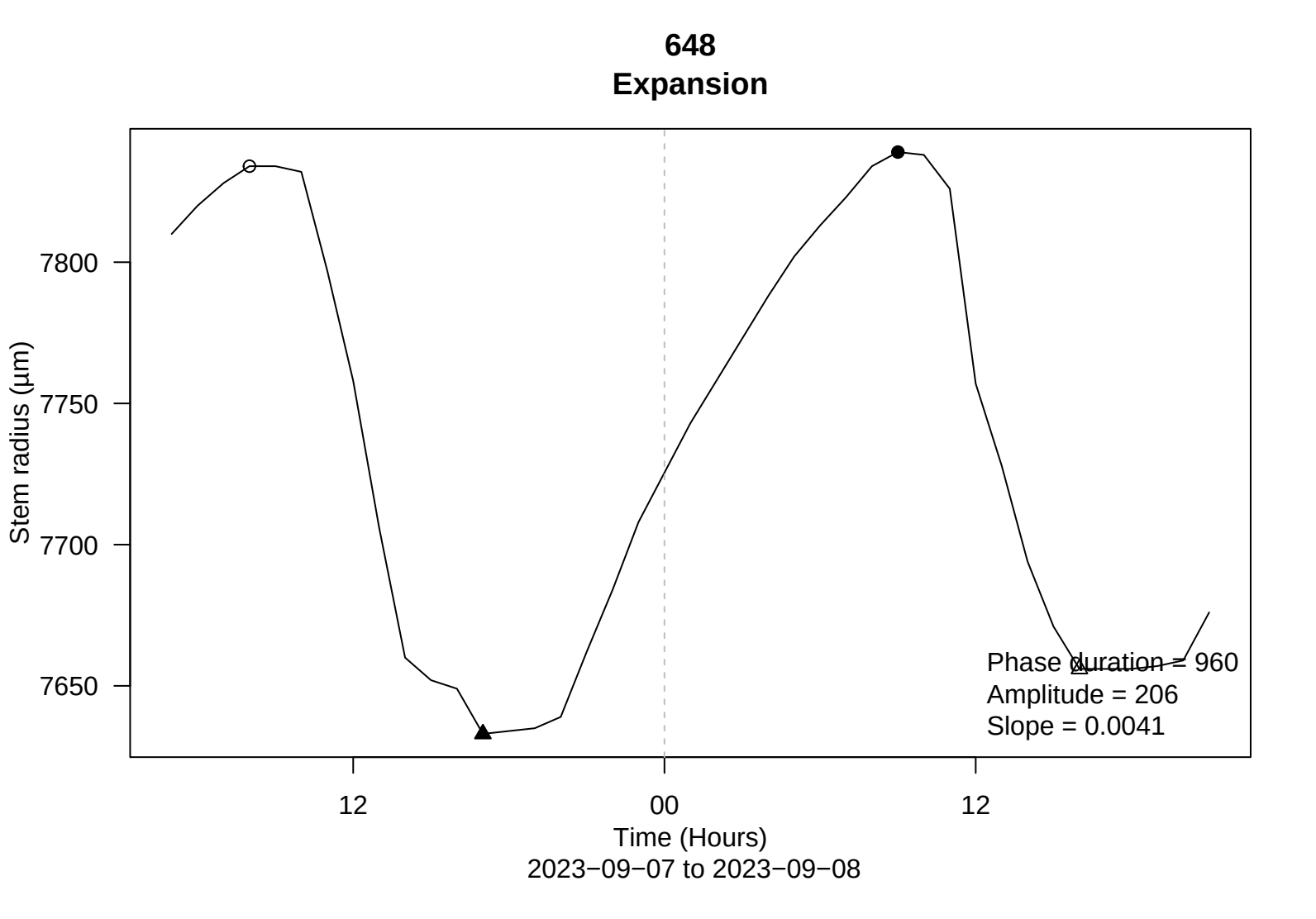

648
Shrinkage
7900
7850
7800
7750
7700
7650
Stem radius (µm)
Phase duration = 540
Amplitude = −218
Slope = −0.0084
00
12
00
Time (Hours)
2023−09−05 to 2023−09−05

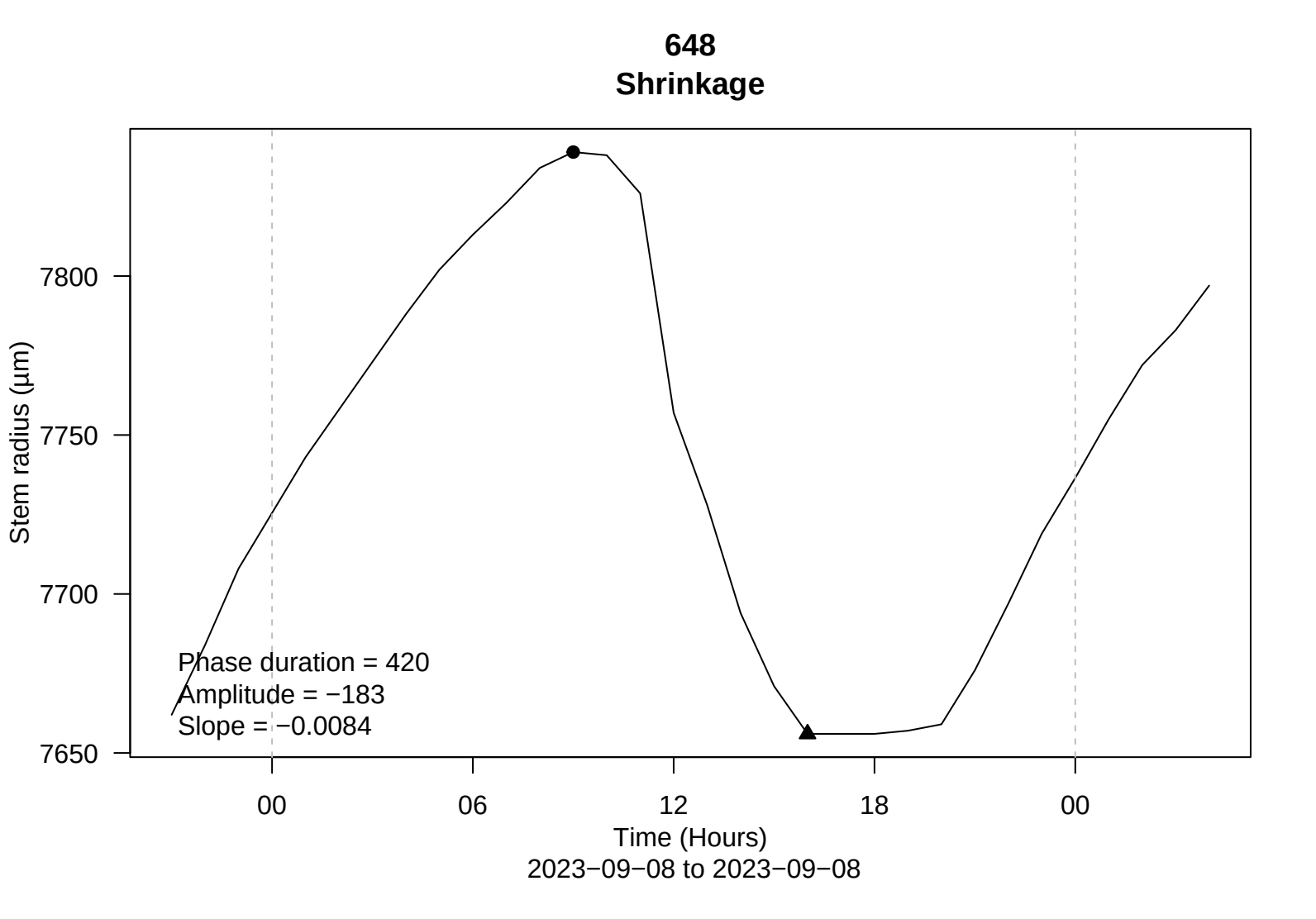

648
Expansion
7900
7850
7800
7750
7700
Stem radius (µm)
12
00
12
Time (Hours)
2023−09−05 to 2023−09−06
Phase duration = 1080
Amplitude = 186
Slope = 0.0034

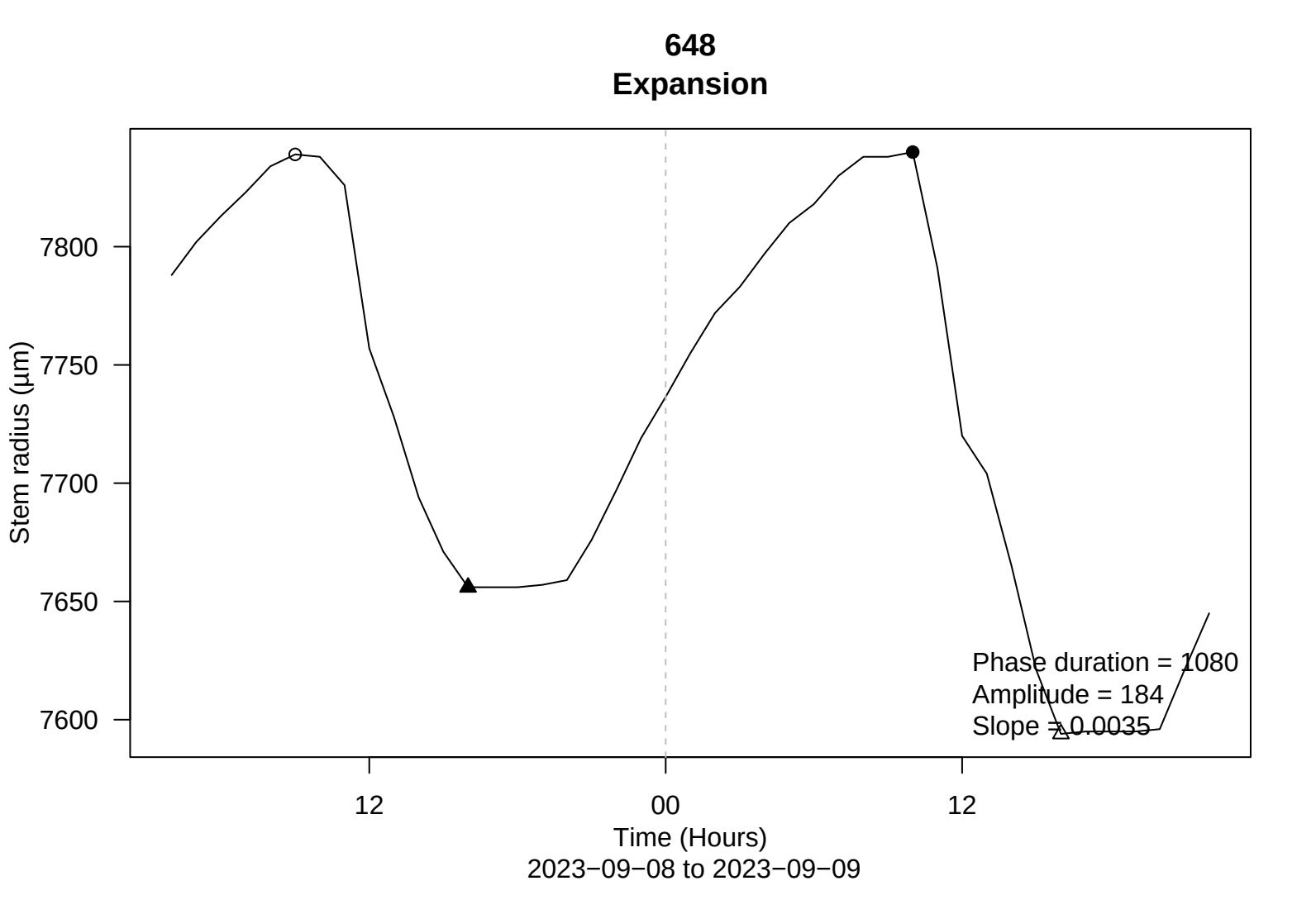

648
Shrinkage
7900
7850
7800
7750
7700
Stem radius (µm)
Phase duration = 420
Amplitude = −216
Slope = −0.0096
00
12
00
Time (Hours)
2023−09−06 to 2023−09−06

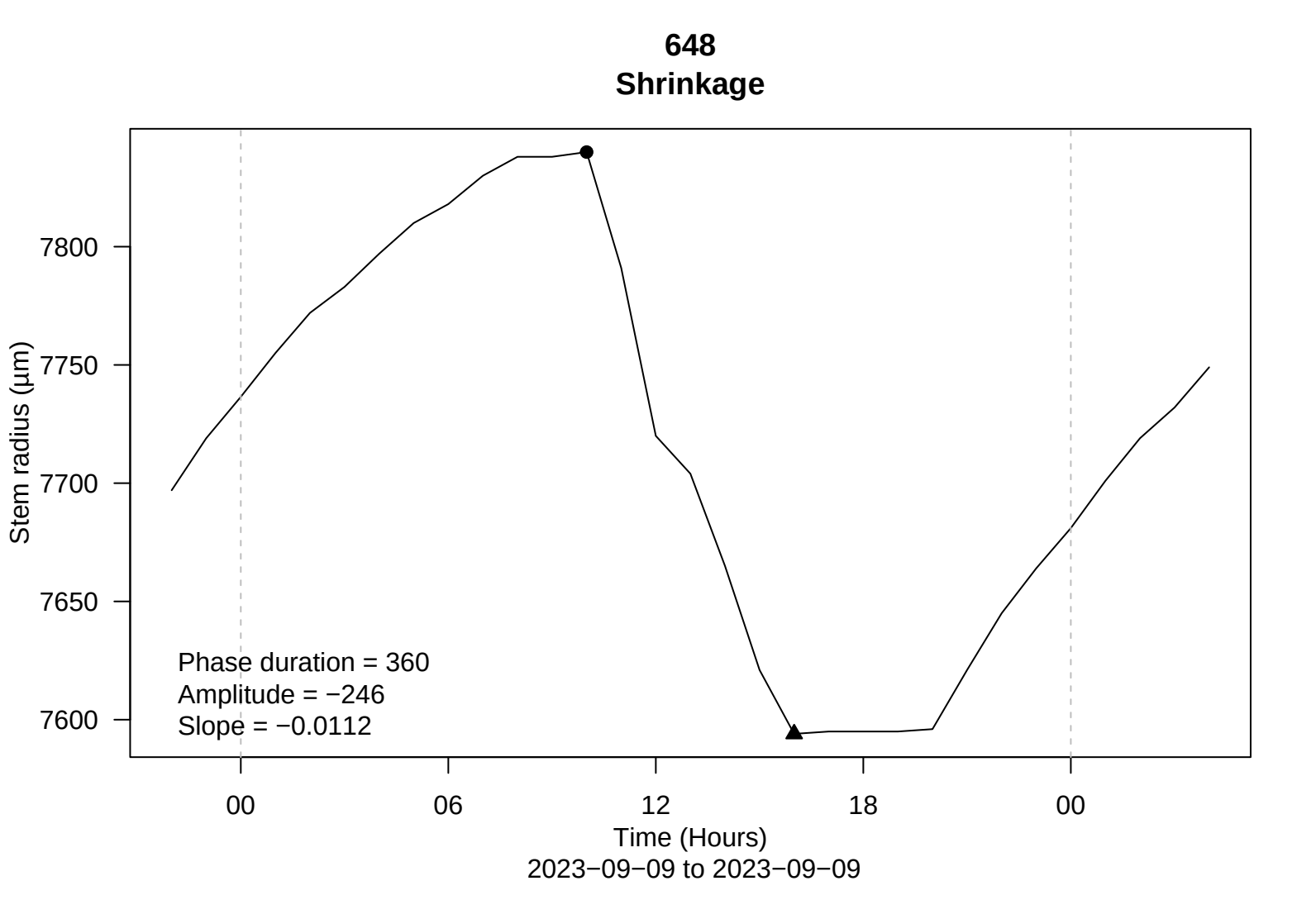

648
Expansion
7900
7850
7800
7750
7700
7650
Stem radius (µm)
Phase duration = 900
Amplitude = 154
Slope = 0.0033
12
00
12
Time (Hours)
2023−09−06 to 2023−09−07

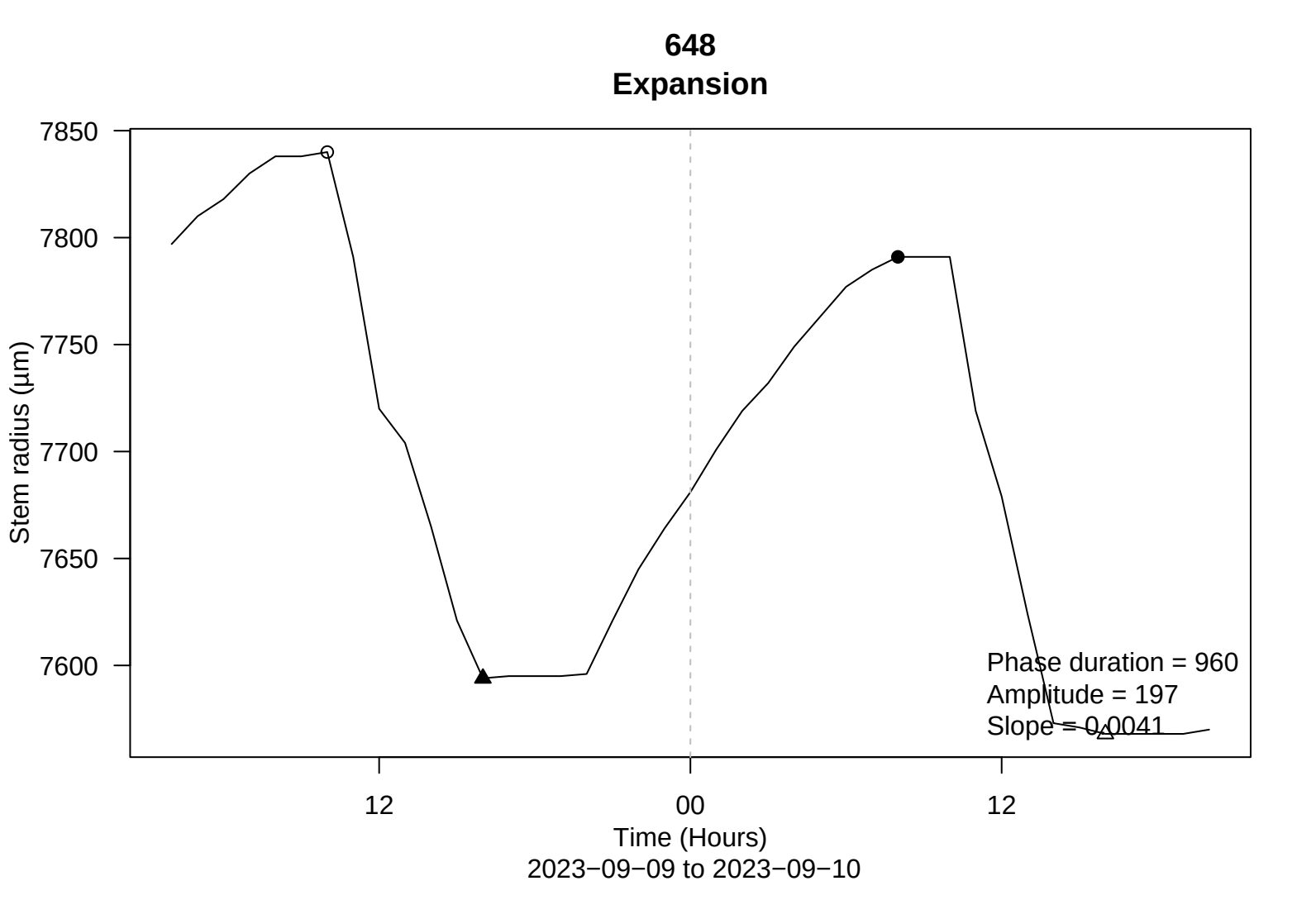

648
Shrinkage
7800
7750
7700
7650
Stem radius (µm)
Phase duration = 540
Amplitude = −201
Slope = −0.0075
00
12
00
Time (Hours)
2023−09−07 to 2023−09−07

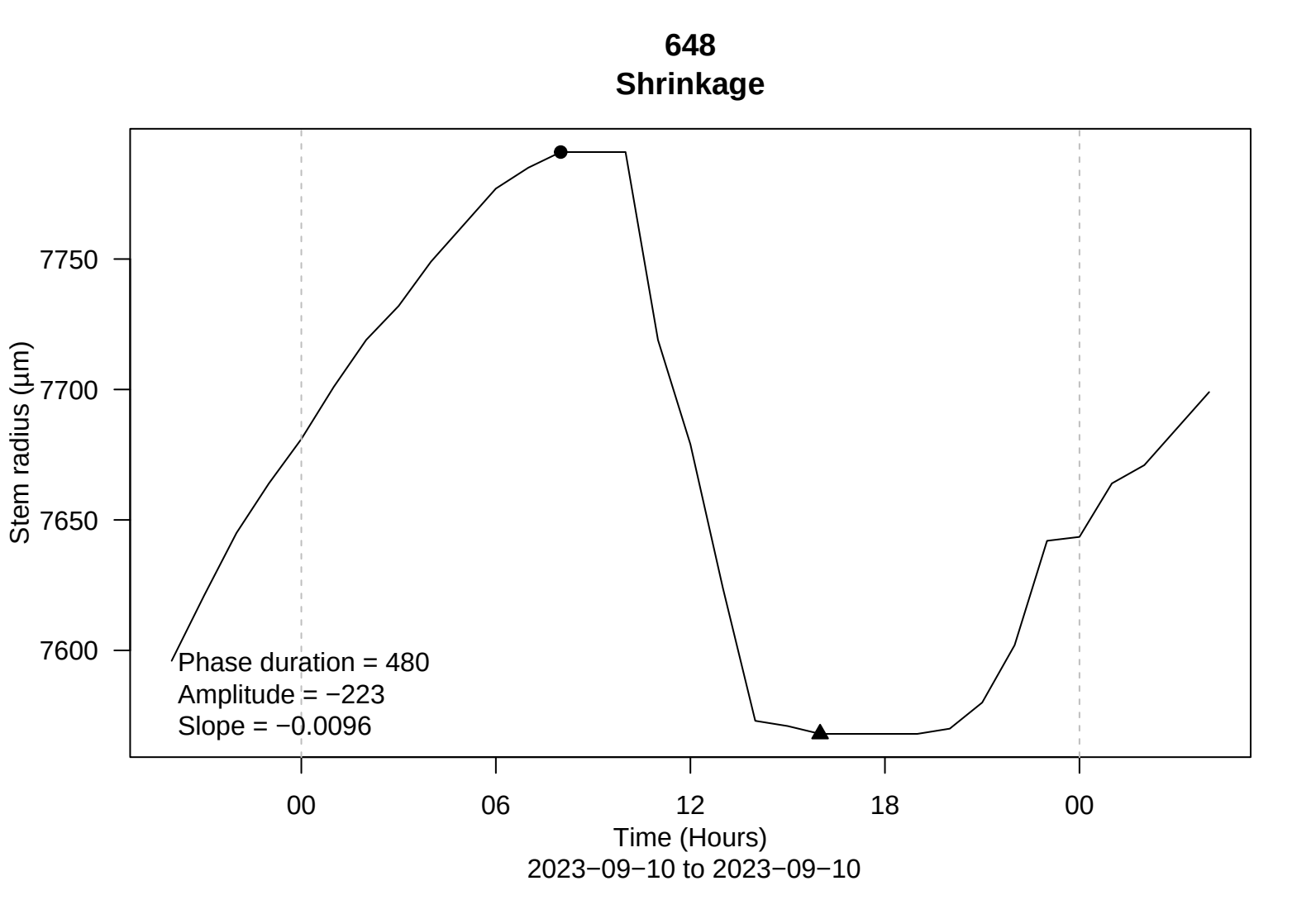

648
Expansion
7800
7750
7700
7650
Stem radius (µm)
12
00
12
Time (Hours)
2023−09−07 to 2023−09−08
Phase duration = 960
Amplitude = 206
Slope = 0.0041

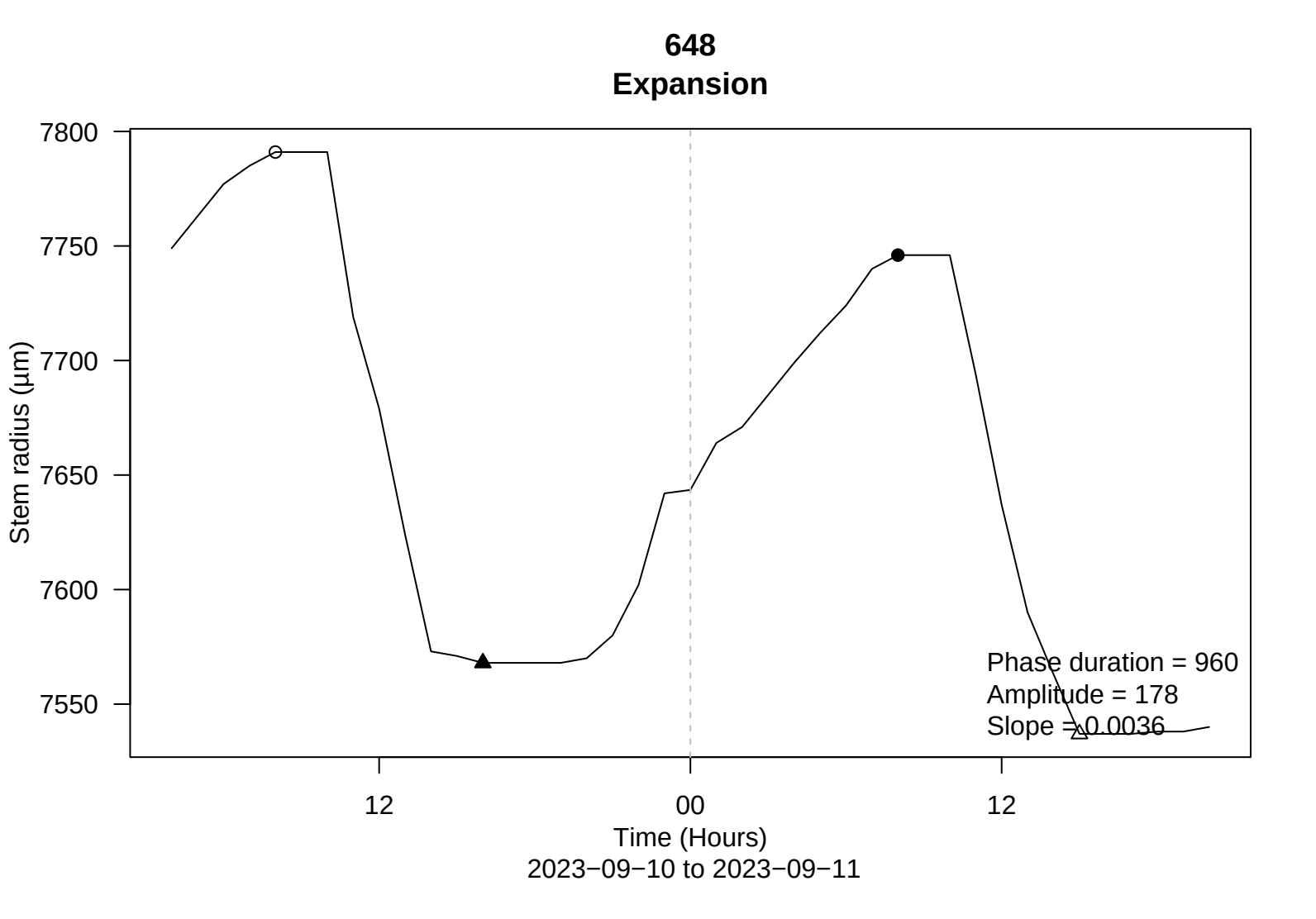

648
Shrinkage
Stem radius (µm)
7800
7750
7700
7650
Phase duration = 420
Amplitude = −183
Slope = −0.0084
00
06
12
18
00
Time (Hours)
2023−09−08 to 2023−09−08

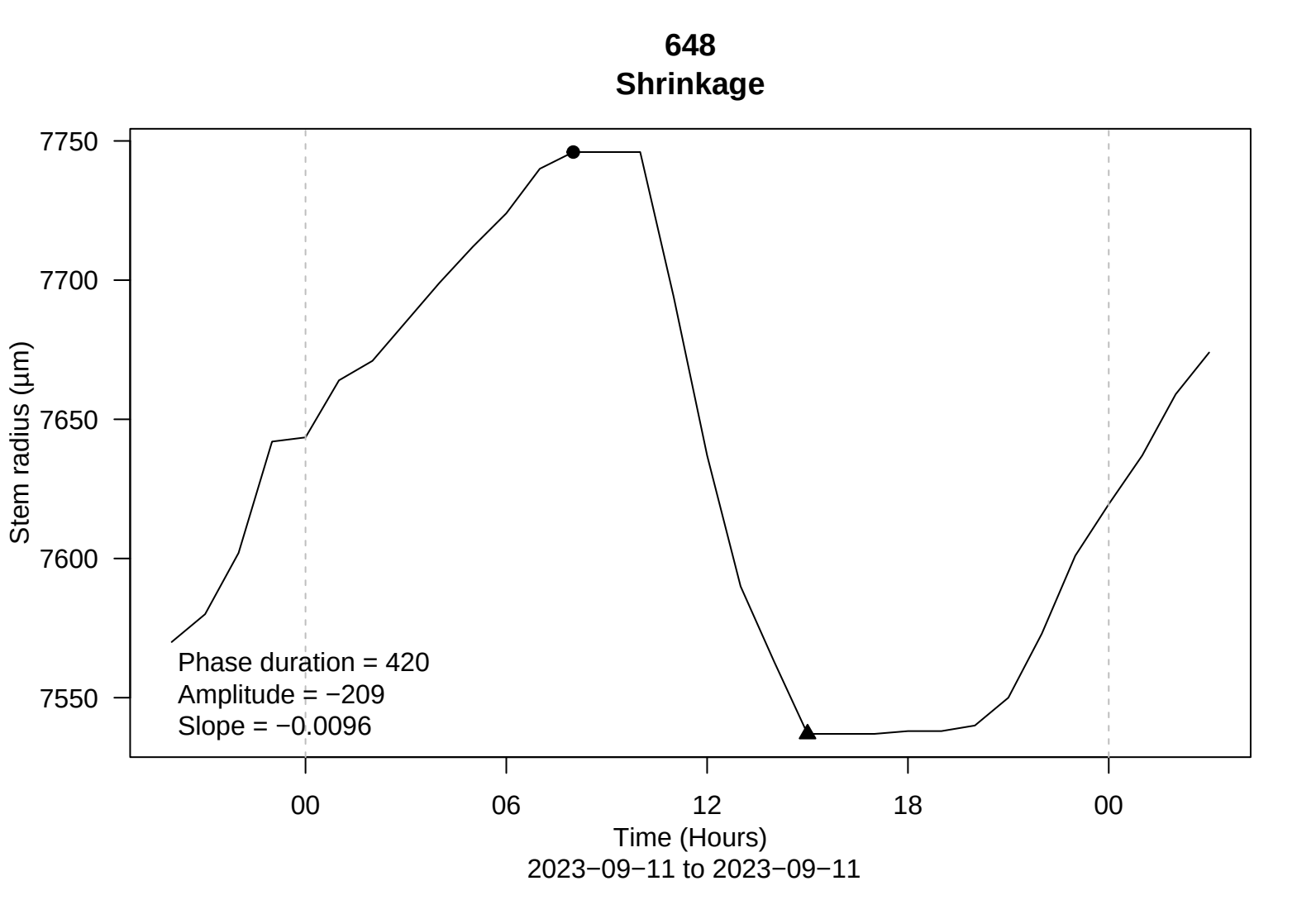

648
Expansion
7800
7750
7700
7650
7600
Stem radius (µm)
12
00
12
Time (Hours)
2023−09−08 to 2023−09−09
Phase duration = 1080
Amplitude = 184
Slope = 0.0035

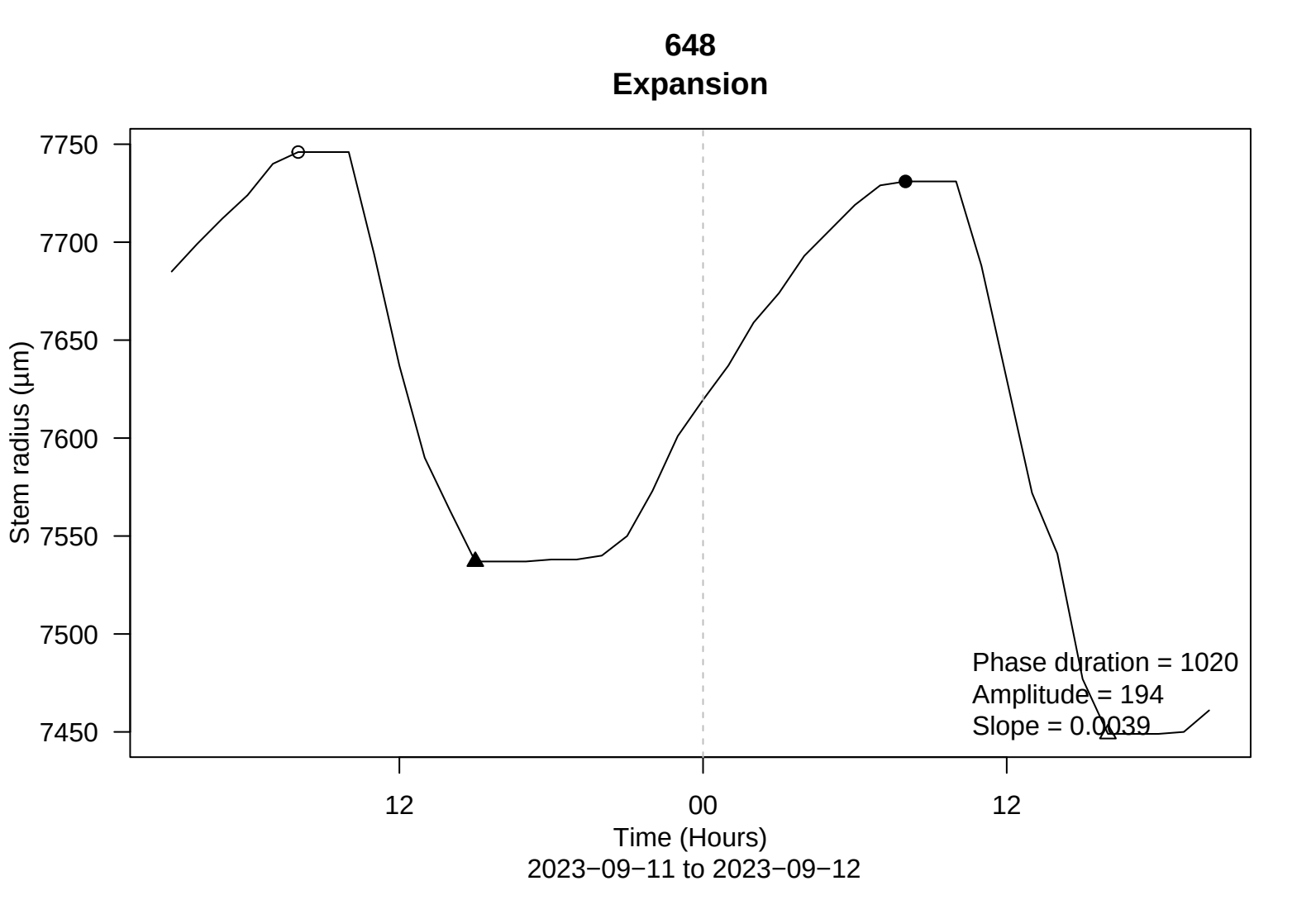

648
Shrinkage
7800
7750
7700
7650
7600
Stem radius (µm)
Phase duration = 360
Amplitude = −246
Slope = −0.0112
00
06
12
18
00
Time (Hours)
2023−09−09 to 2023−09−09

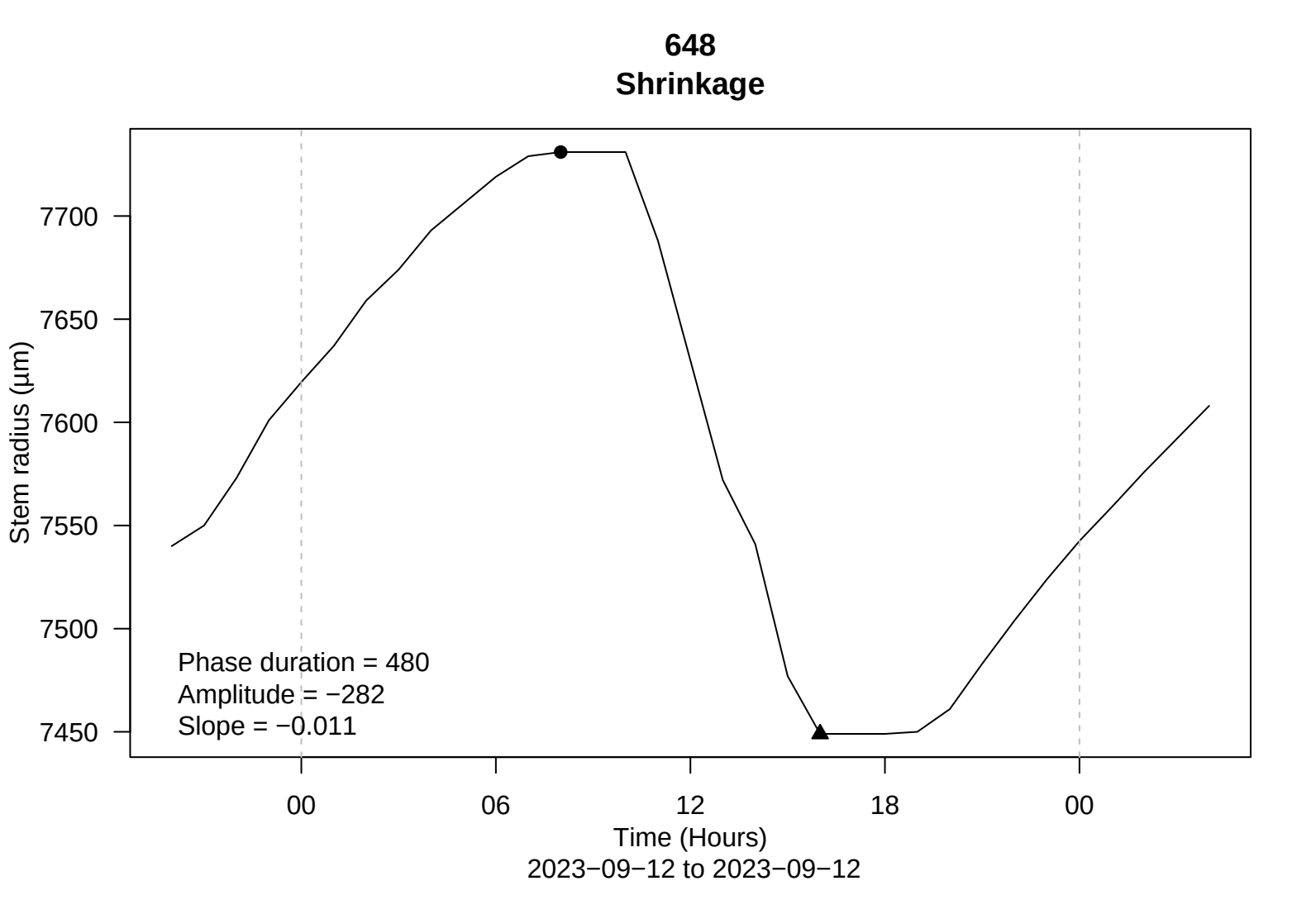

648
Expansion
7850
7800
7750
7700
7650
7600
Stem radius (µm)
Phase duration = 960
Amplitude = 197
Slope = 0.0041
12
00
12
Time (Hours)
2023−09−09 to 2023−09−10

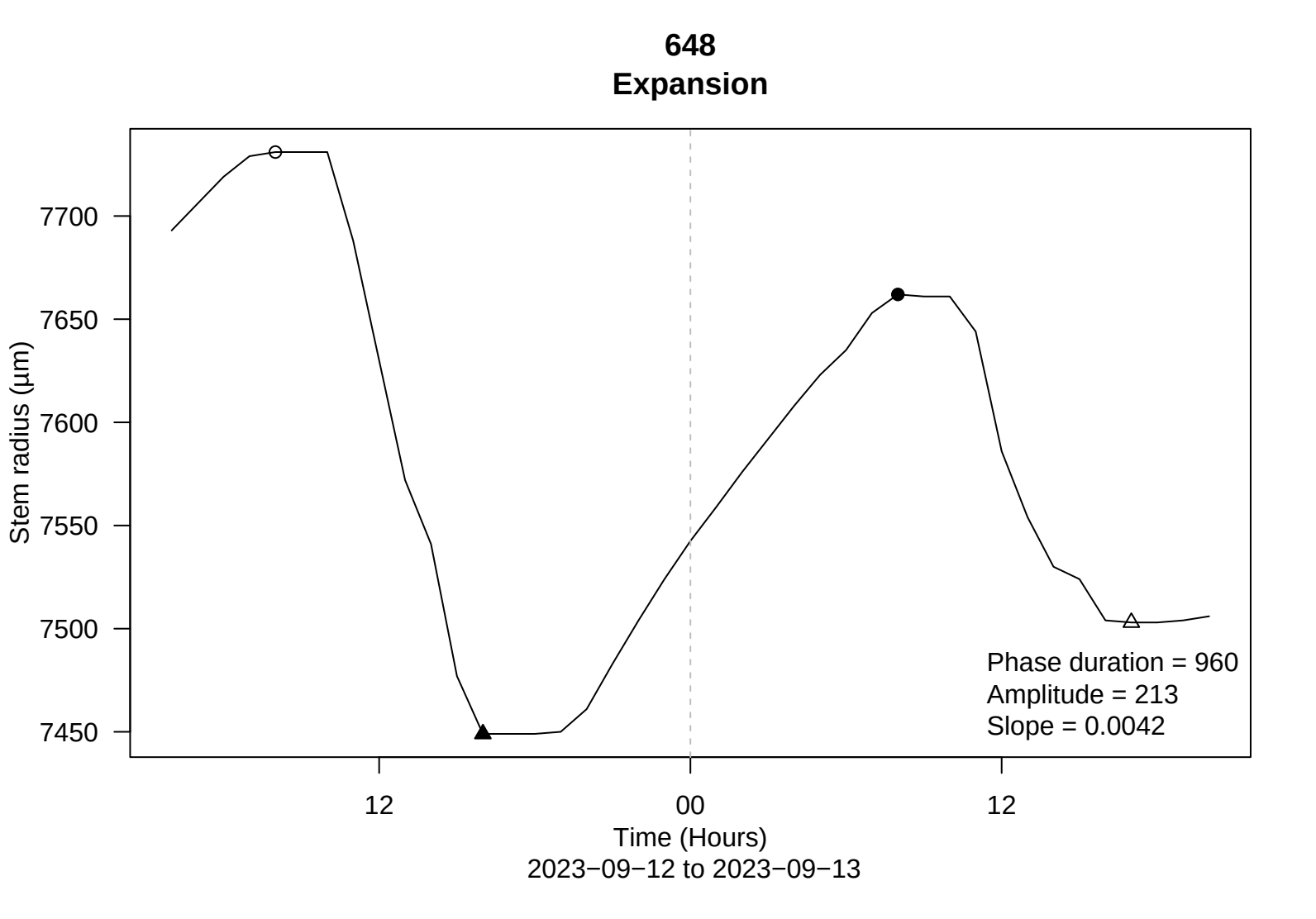

648
Shrinkage
7750
7700
7650
7600
Stem radius (µm)
Phase duration = 480
Amplitude = −223
Slope = −0.0096
00
06
12
18
00
Time (Hours)
2023−09−10 to 2023−09−10

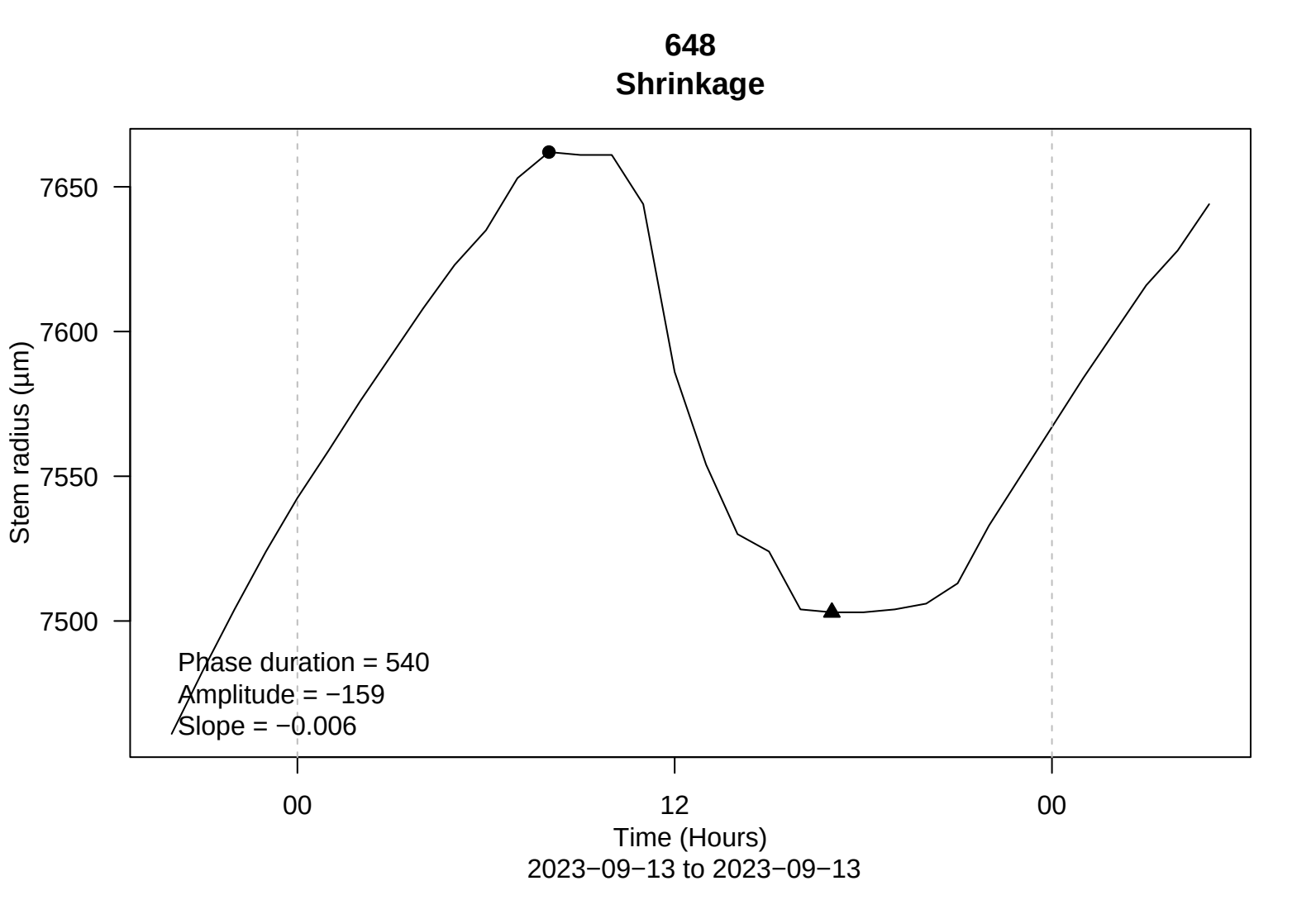

648
Expansion
7800
7750
7700
7650
7600
7550
Stem radius (µm)
12
00
12
Time (Hours)
2023−09−10 to 2023−09−11
Phase duration = 960
Amplitude = 178
Slope = 0.0036

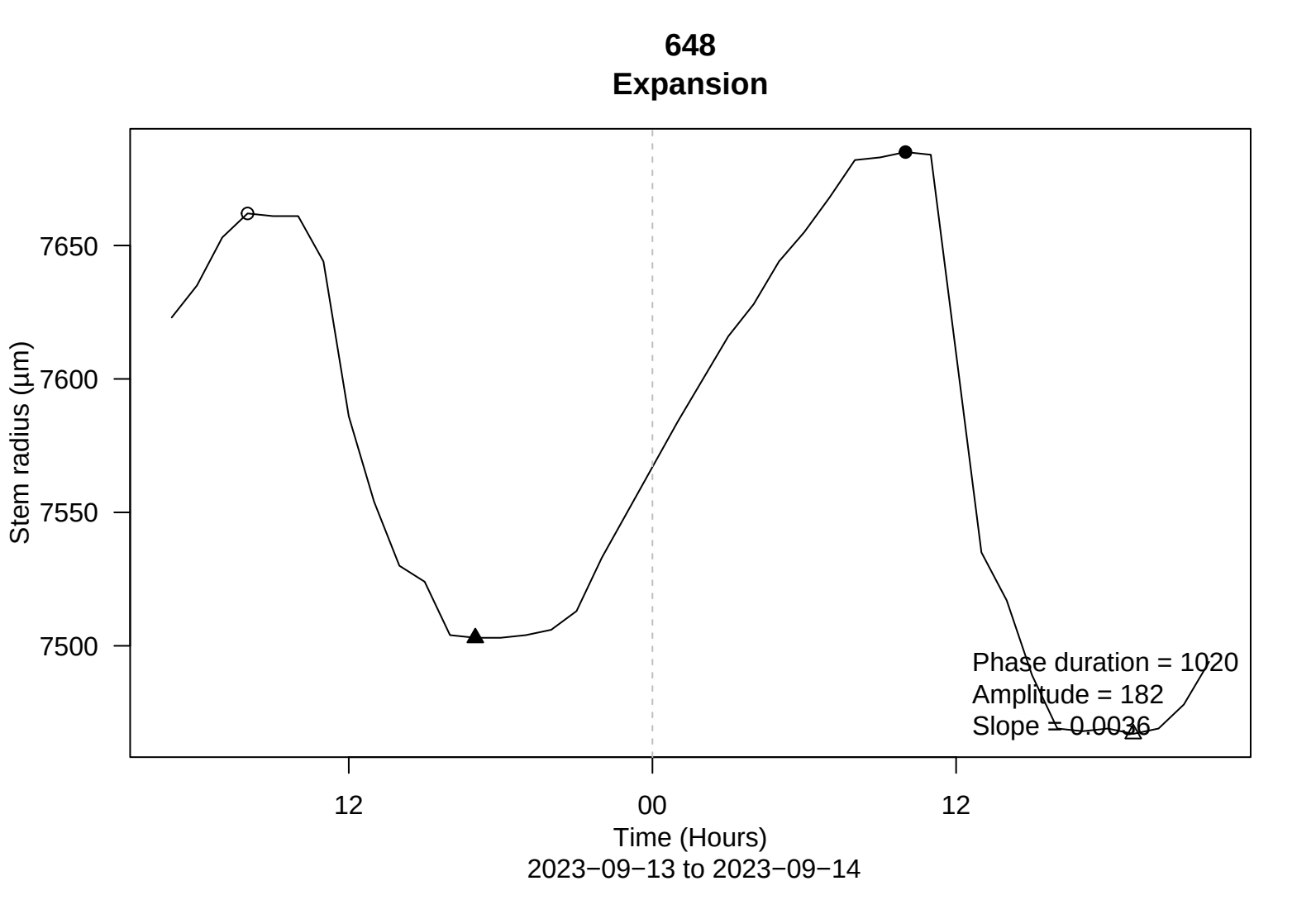

648
Shrinkage
7750
7700
7650
7600
7550
Stem radius (µm)
Phase duration = 420
Amplitude = −209
Slope = −0.0096
00
06
12
18
00
Time (Hours)
2023−09−11 to 2023−09−11

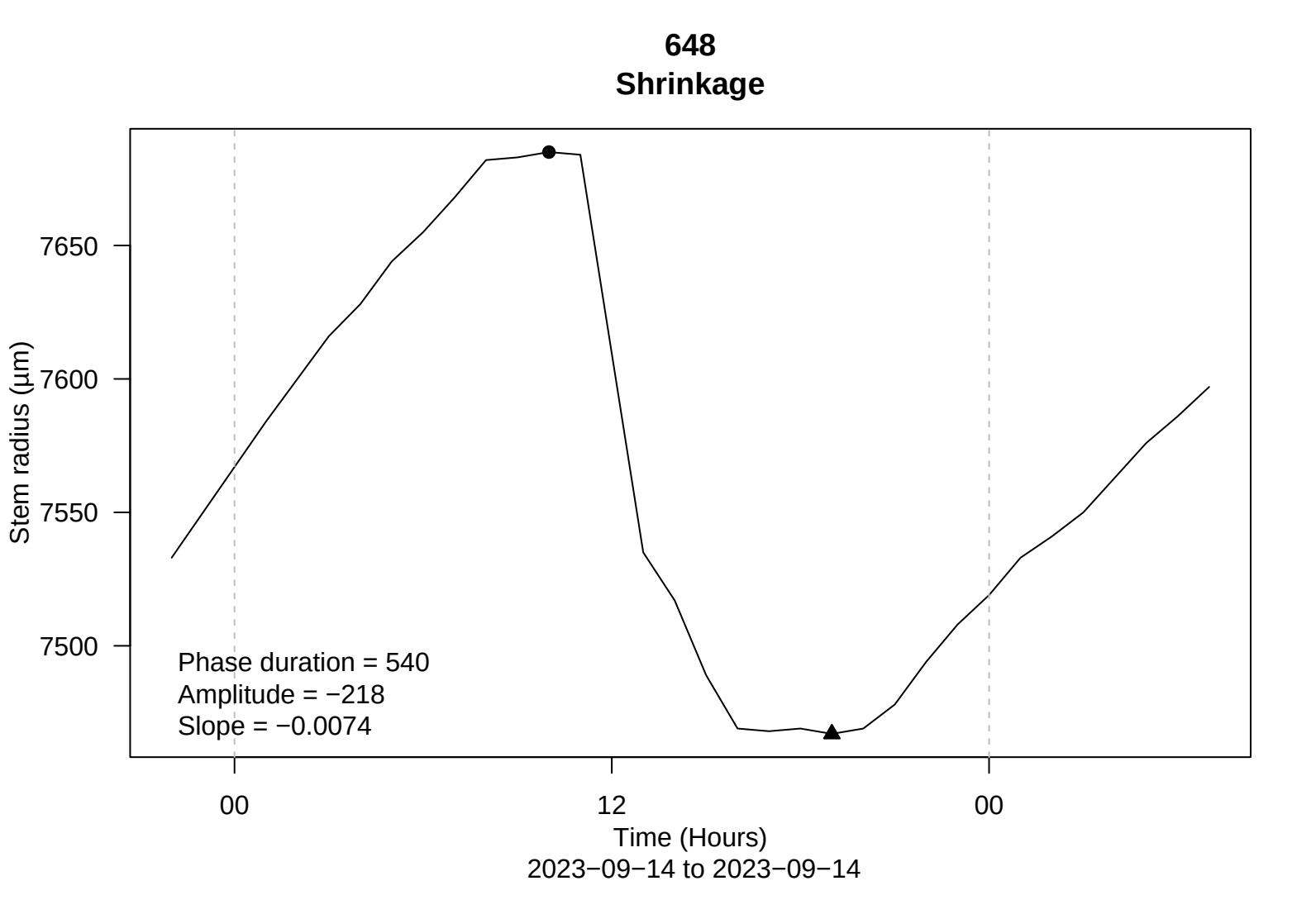

648
Expansion
7750
7700
7650
7600
7550
7500
7450
Stem radius (µm)
12
00
12
Time (Hours)
2023−09−11 to 2023−09−12
Phase duration = 1020
Amplitude = 194
Slope = 0.0039

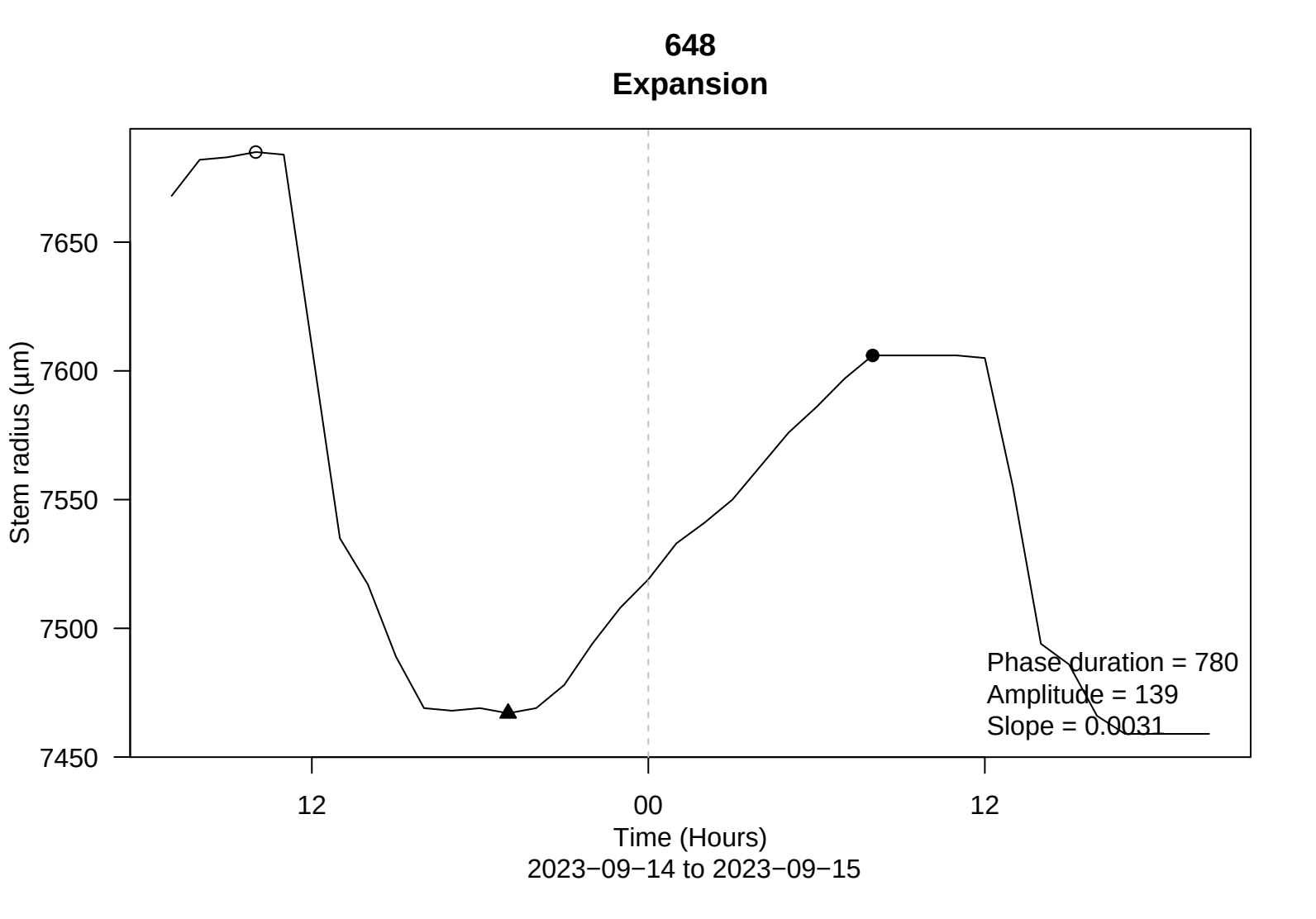

648
Shrinkage
7700
7650
7600
7550
7500
7450
Stem radius (µm)
Phase duration = 480
Amplitude = −282
Slope = −0.011
00
06
12
18
00
Time (Hours)
2023−09−12 to 2023−09−12

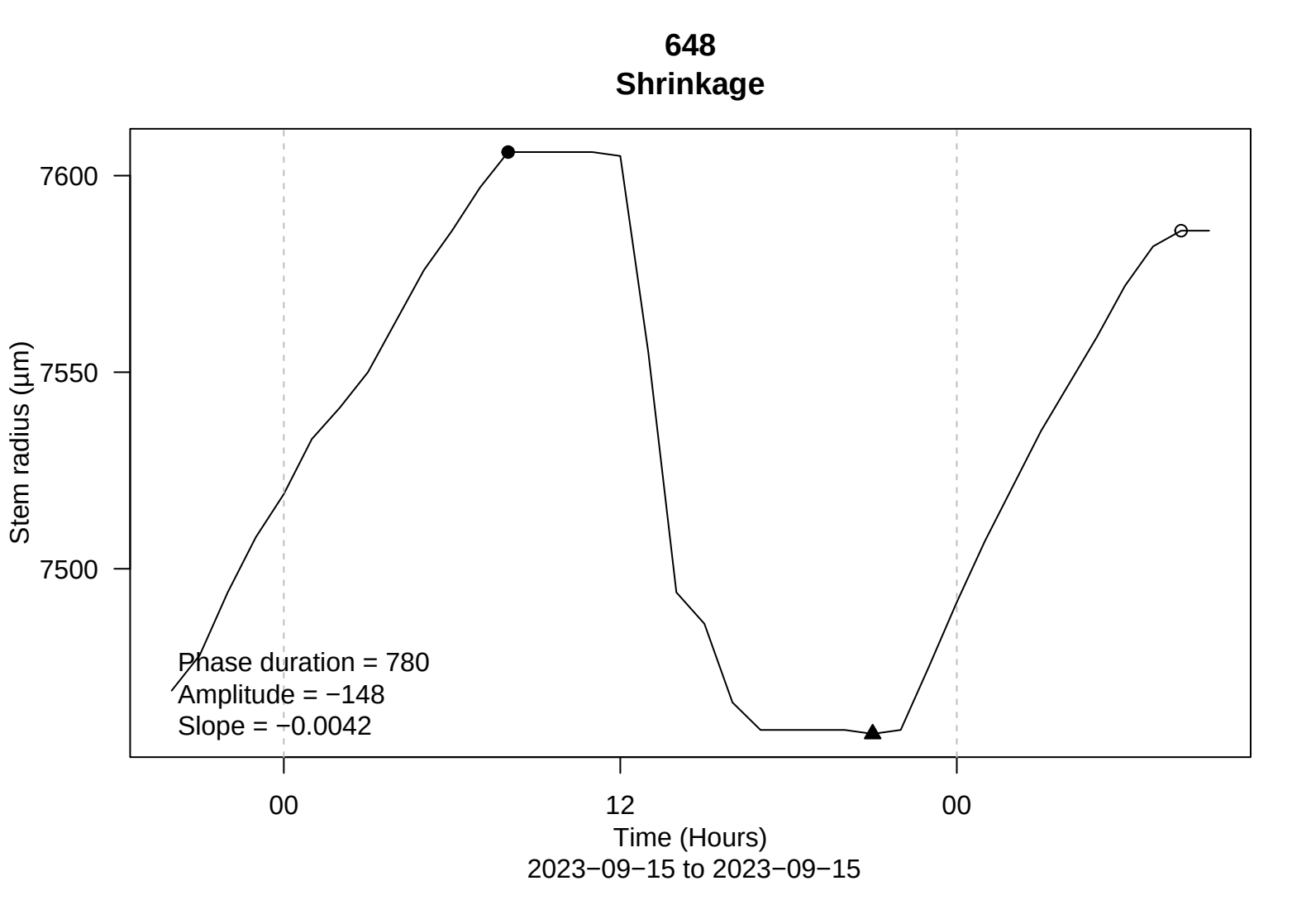

648
Expansion
7700
7650
7600
7550
7500
7450
Stem radius (µm)
12
00
12
Time (Hours)
2023−09−12 to 2023−09−13
Phase duration = 960
Amplitude = 213
Slope = 0.0042

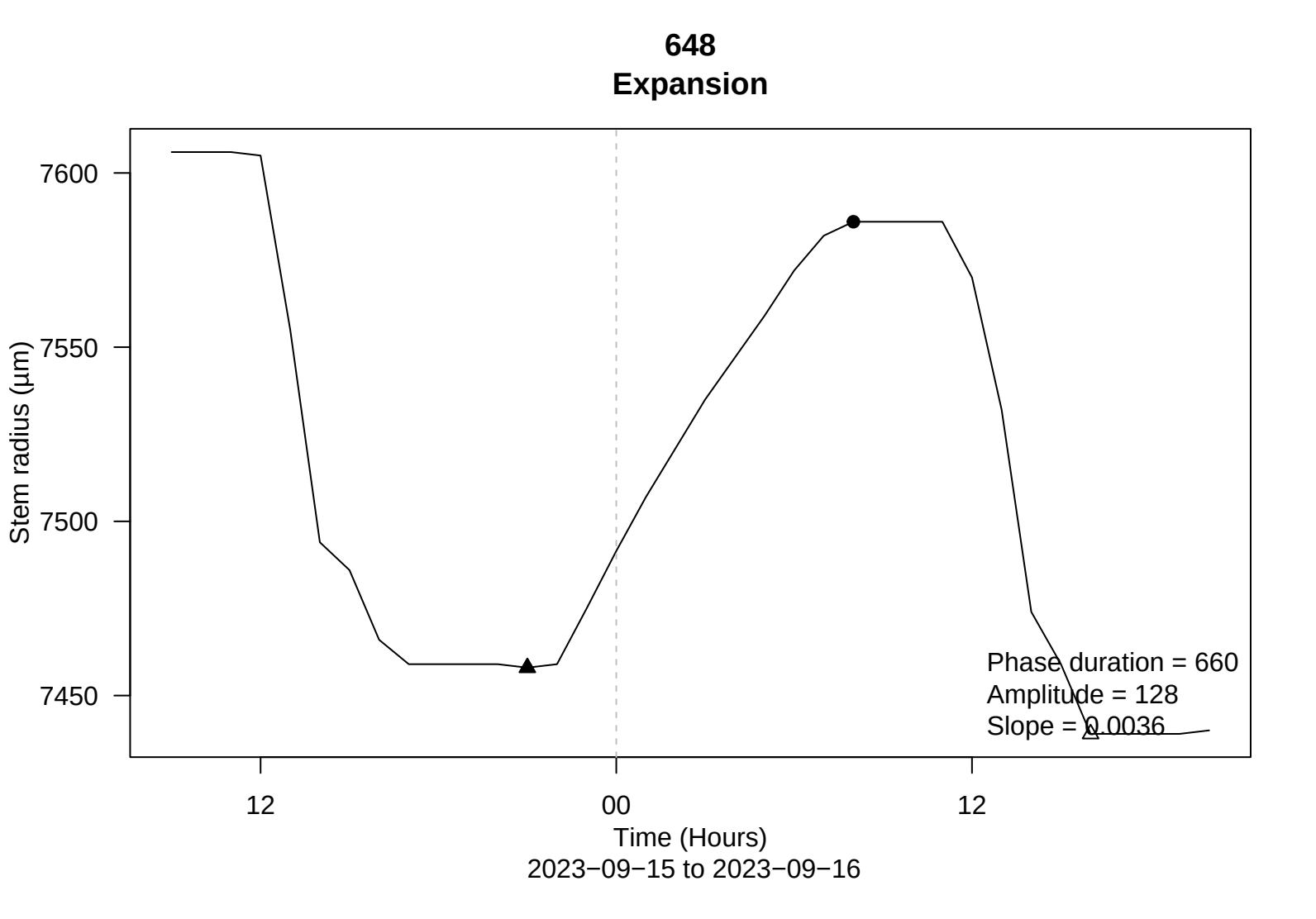

648
Shrinkage
7650
7600
7550
7500
Stem radius (µm)
Phase duration = 540
Amplitude = −159
Slope = −0.006
00
12
00
Time (Hours)
2023−09−13 to 2023−09−13

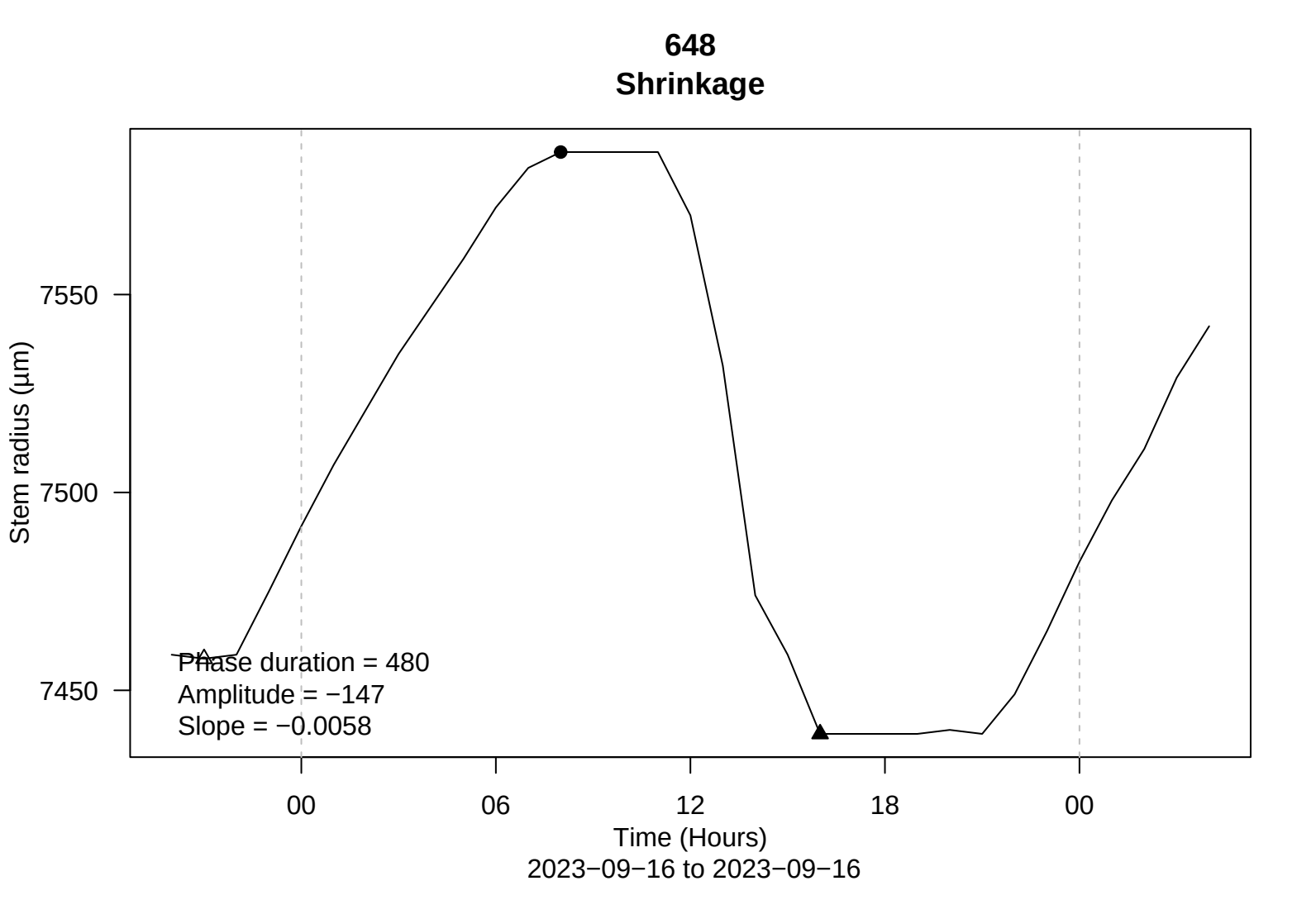

648
Expansion
7650
7600
7550
7500
Stem radius (µm)
Phase duration = 1020
Amplitude = 182
Slope = 0.0036
12
00
12
Time (Hours)
2023−09−13 to 2023−09−14

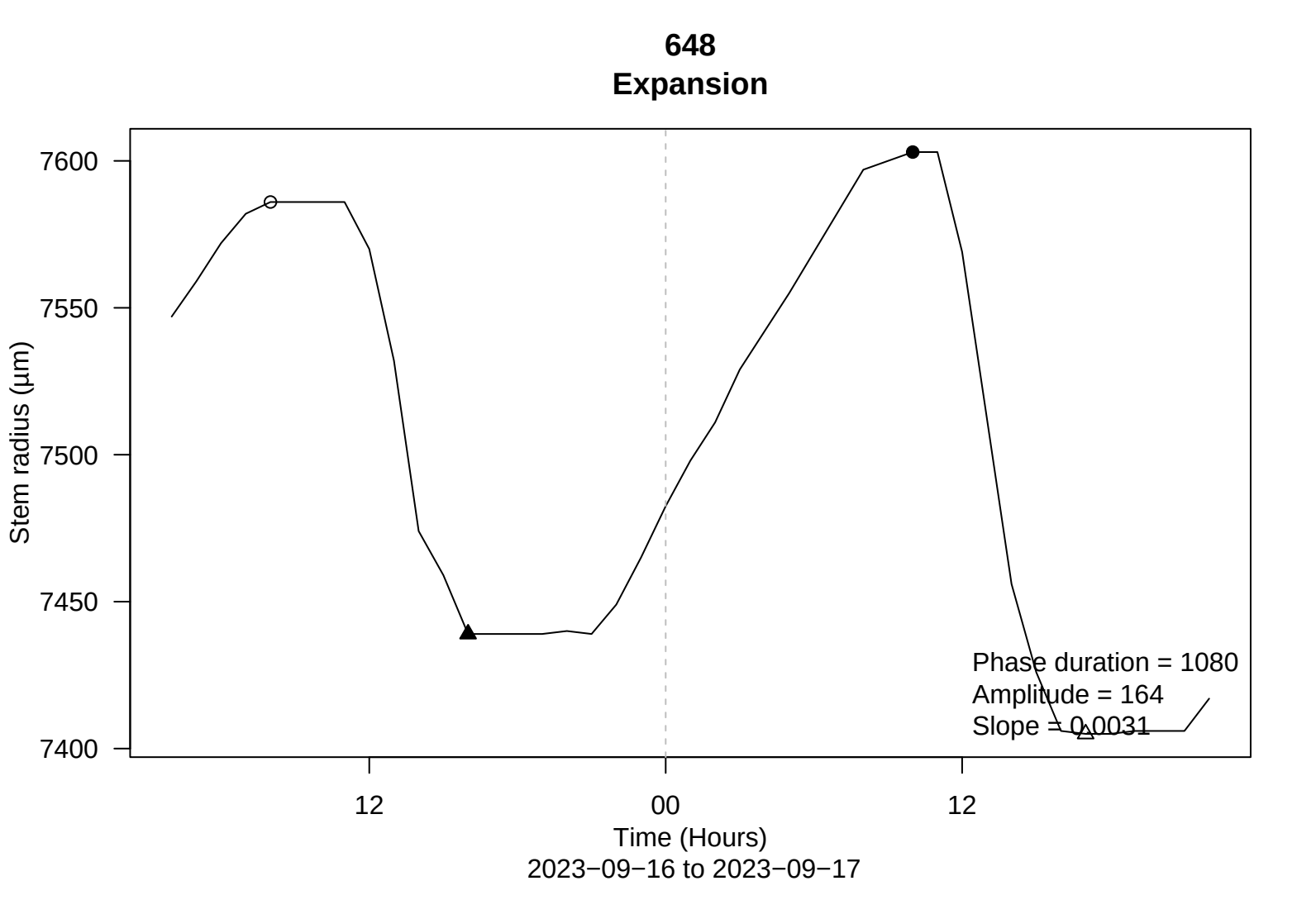

648
Shrinkage
Stem radius (µm)
7650
7600
7550
7500
Phase duration = 540
Amplitude = −218
Slope = −0.0074
00
12
00
Time (Hours)
2023−09−14 to 2023−09−14

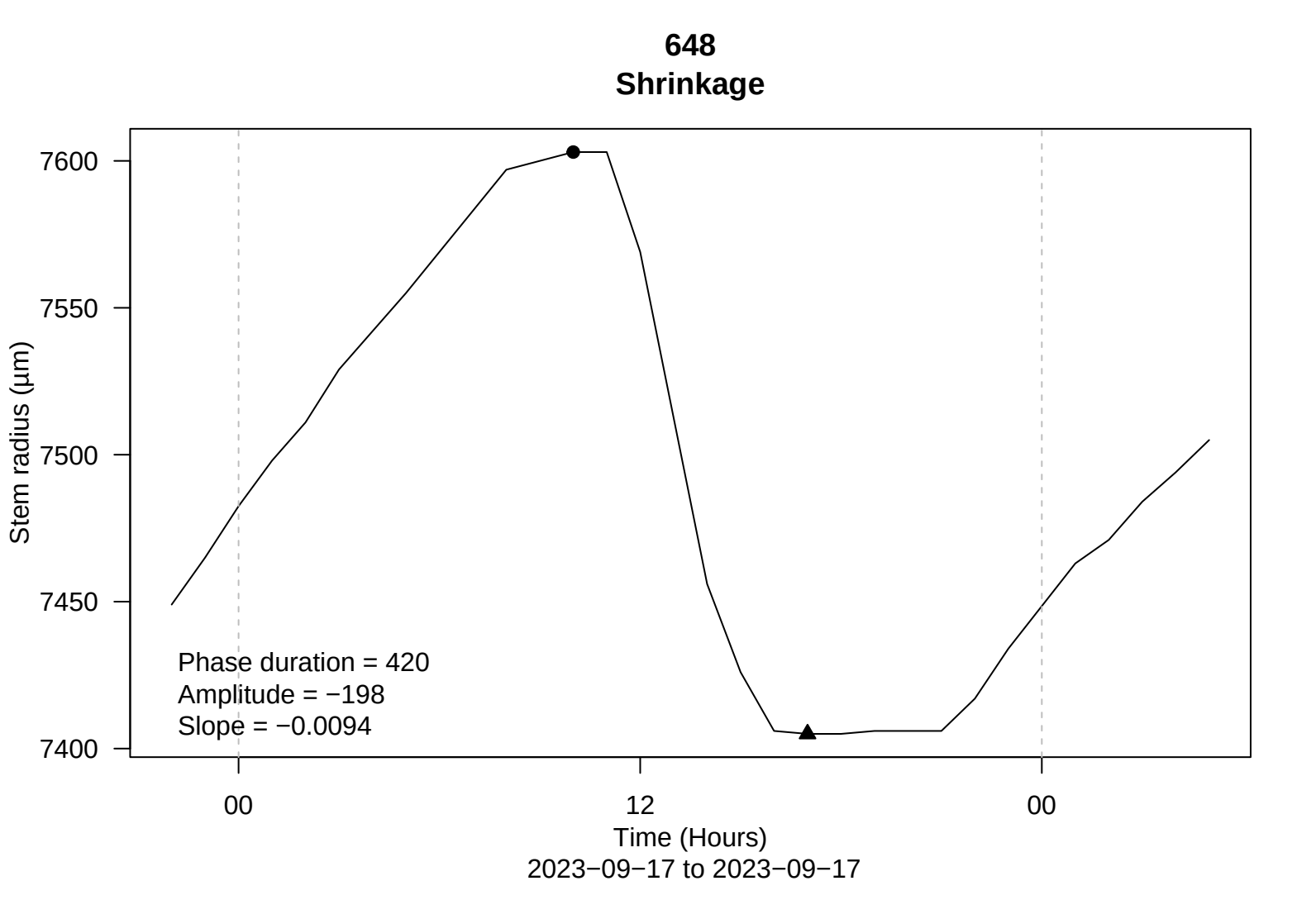

648
Expansion
7650
7600
7550
7500
7450
Stem radius (µm)
12
00
12
Time (Hours)
2023−09−14 to 2023−09−15
Phase duration = 780
Amplitude = 139
Slope = 0.0031

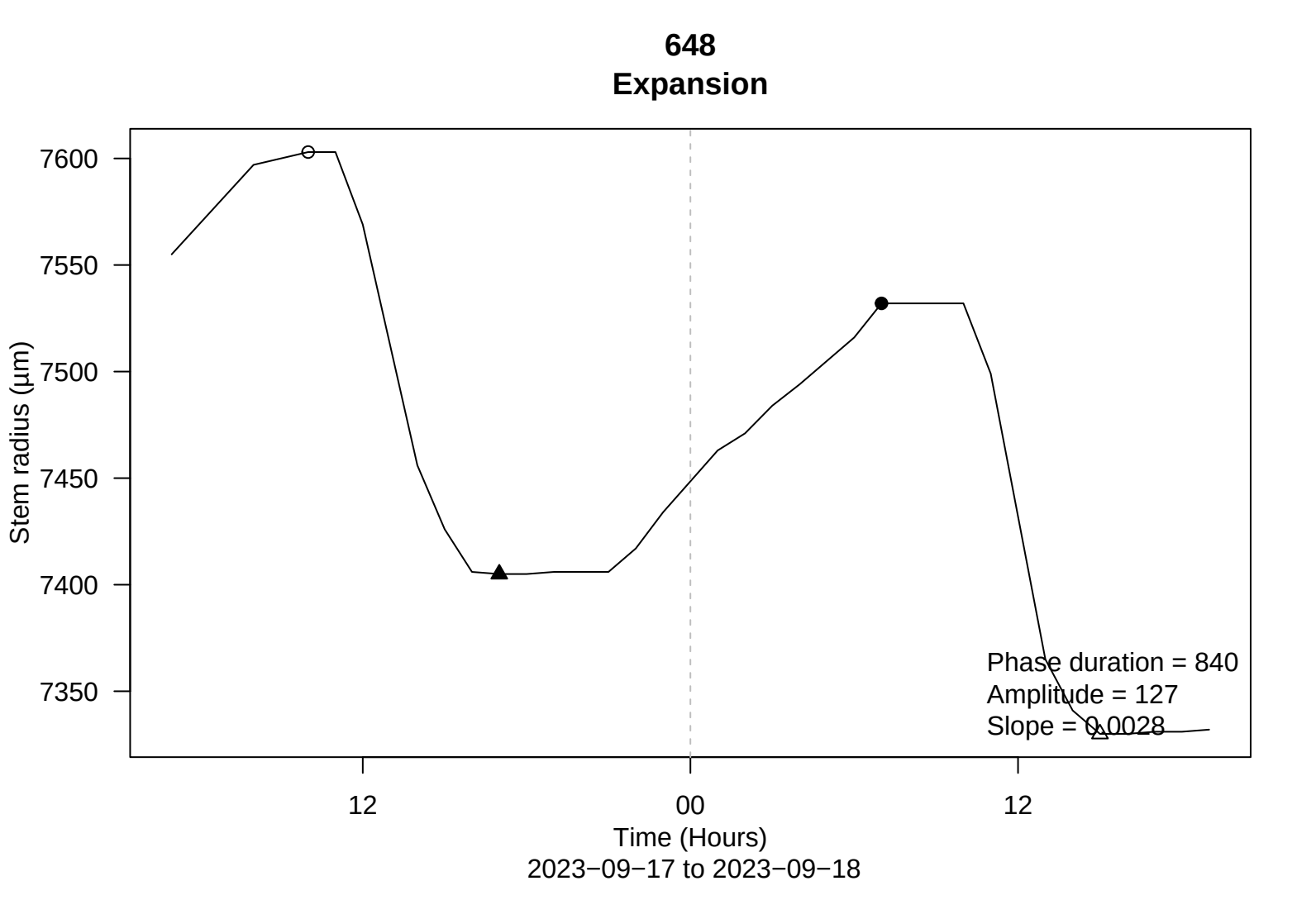

648
Shrinkage
7600
7550
7500
Stem radius (µm)
Phase duration = 780
Amplitude = −148
Slope = −0.0042
00
12
00
Time (Hours)
2023−09−15 to 2023−09−15

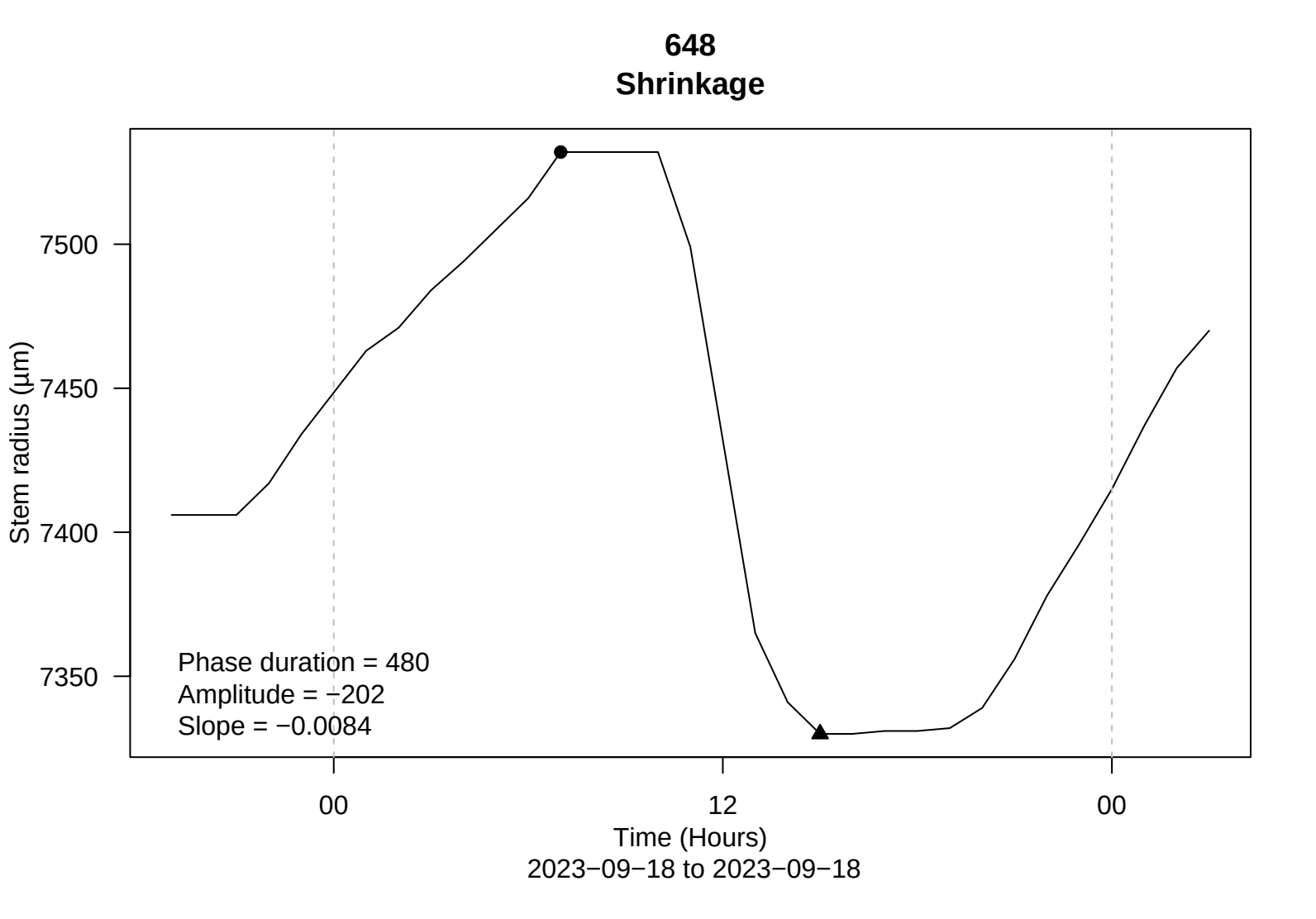

648
Expansion
7600
7550
7500
7450
Stem radius (µm)
12
00
12
Time (Hours)
2023−09−15 to 2023−09−16
Phase duration = 660
Amplitude = 128
Slope = 0.0036

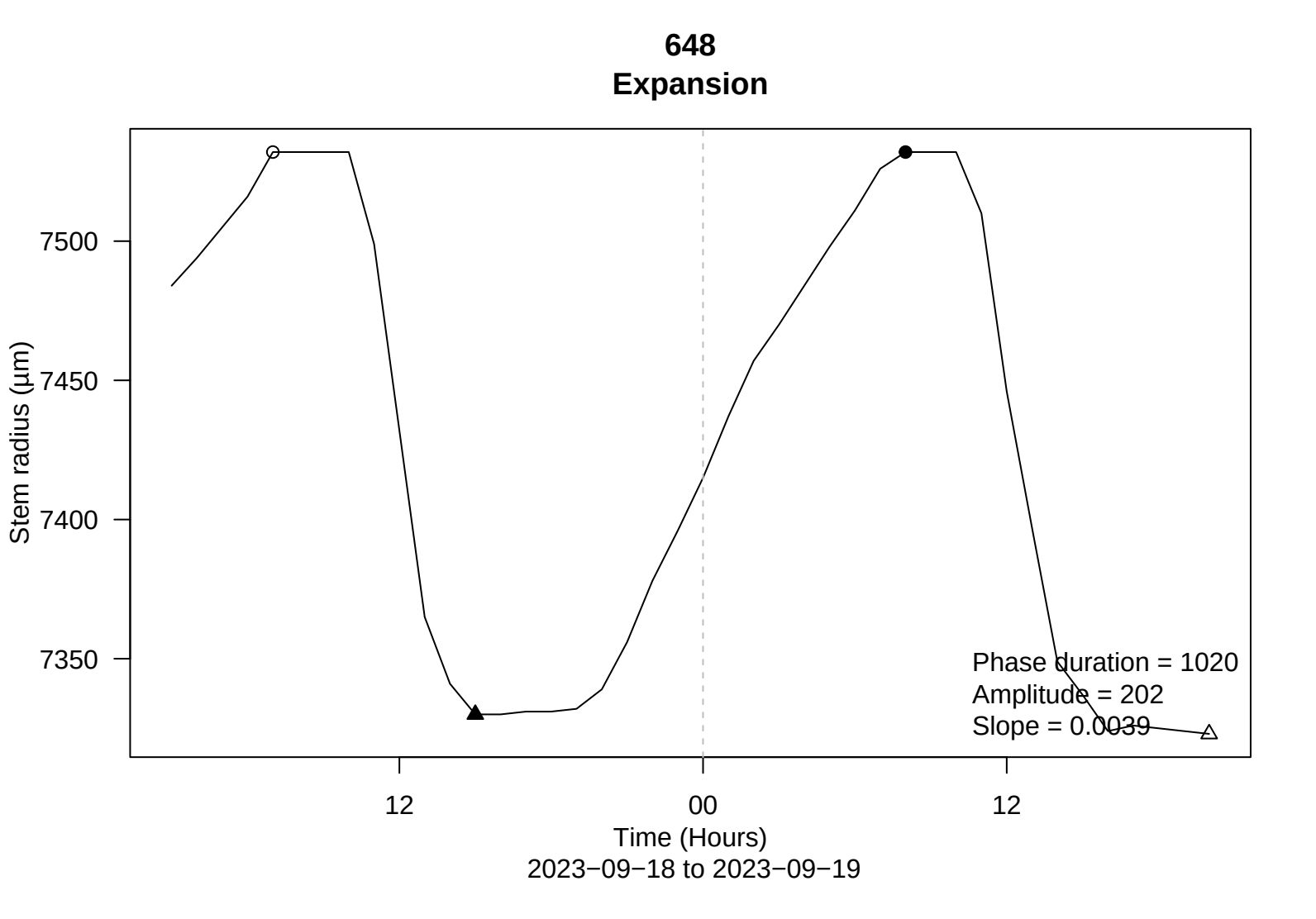

648
Shrinkage
7550
7500
7450
Stem radius (µm)
Phase duration = 480
Amplitude = −147
Slope = −0.0058
00
06
12
18
00
Time (Hours)
2023−09−16 to 2023−09−16

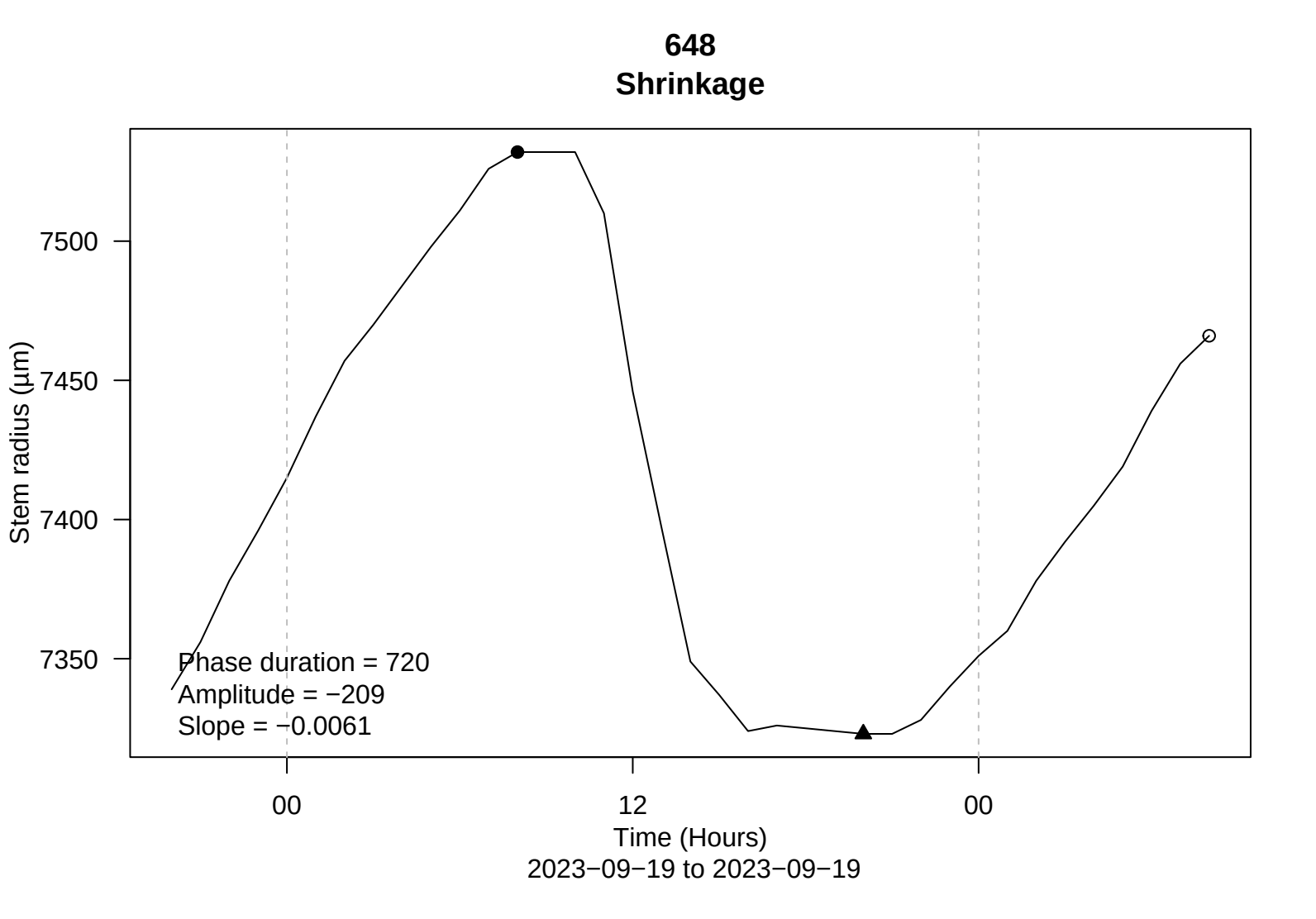

648
Expansion
7600
7550
7500
7450
7400
Stem radius (µm)
12
00
12
Time (Hours)
2023−09−16 to 2023−09−17
Phase duration = 1080
Amplitude = 164
Slope = 0.0031

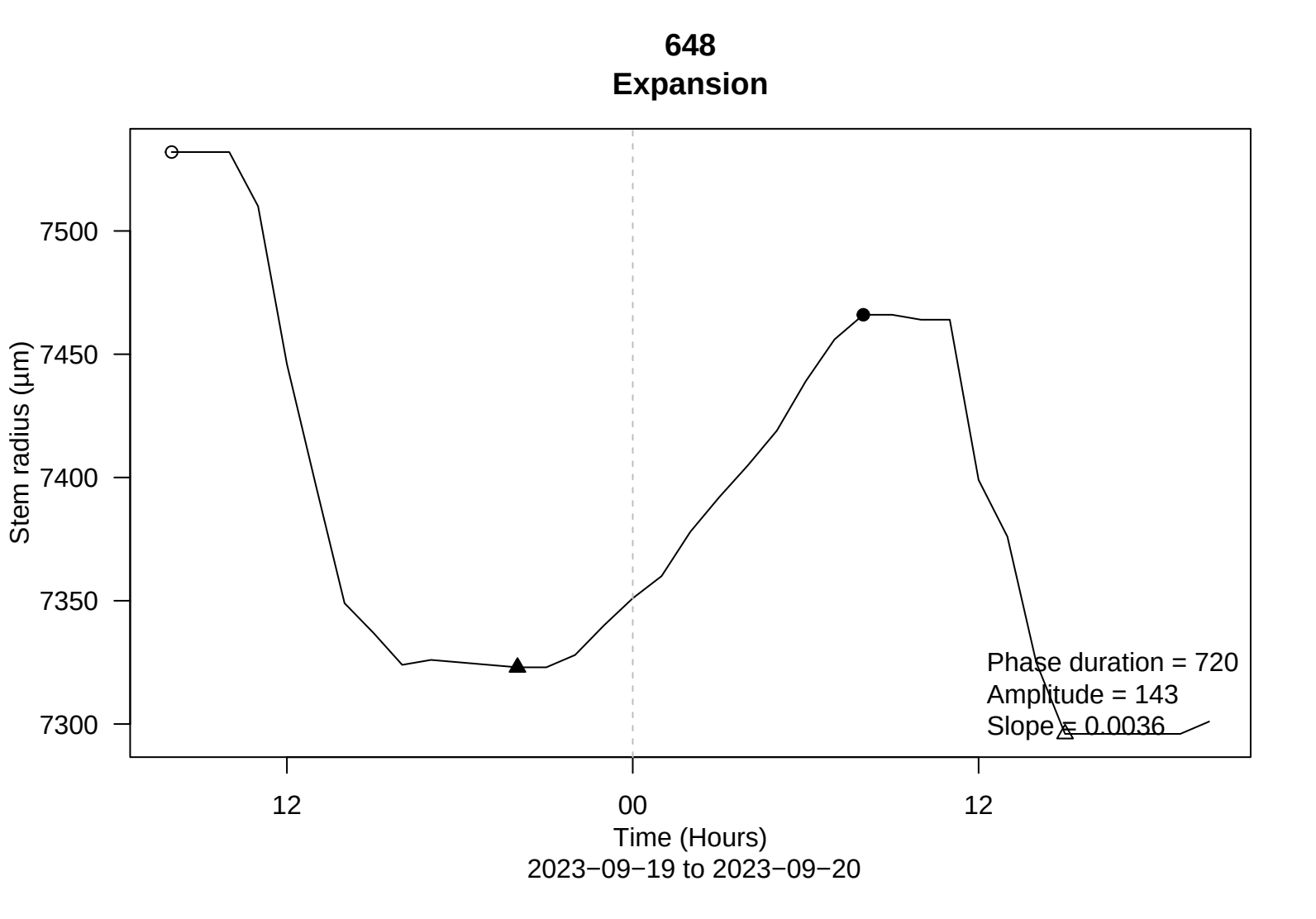

648
Shrinkage
7600
7550
7500
7450
7400
Stem radius (µm)
Phase duration = 420
Amplitude = −198
Slope = −0.0094
00
12
00
Time (Hours)
2023−09−17 to 2023−09−17

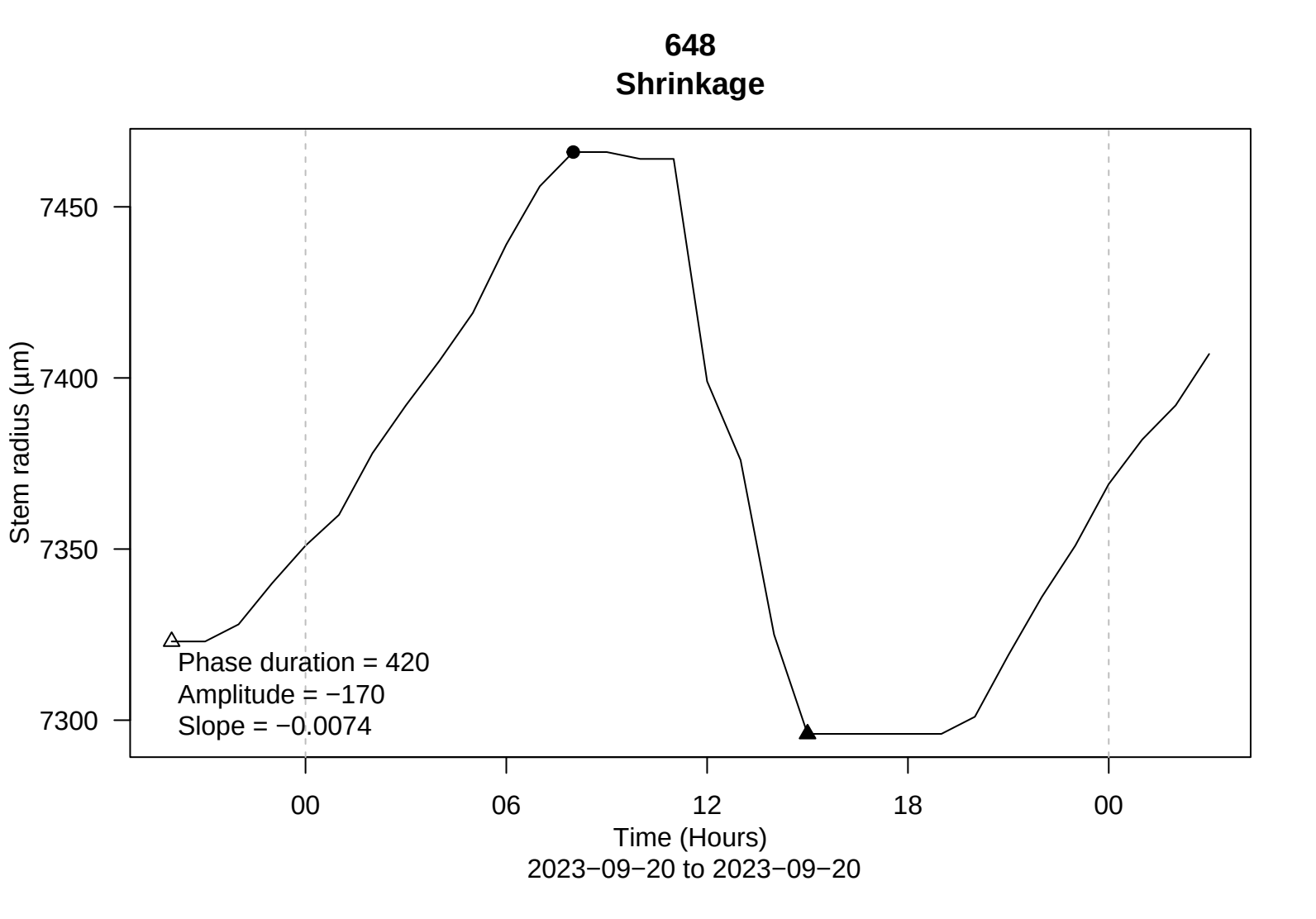

648
Expansion
7600
7550
7500
7450
7400
7350
Stem radius (µm)
Phase duration = 840
Amplitude = 127
Slope = 0.0028
12
00
12
Time (Hours)
2023−09−17 to 2023−09−18

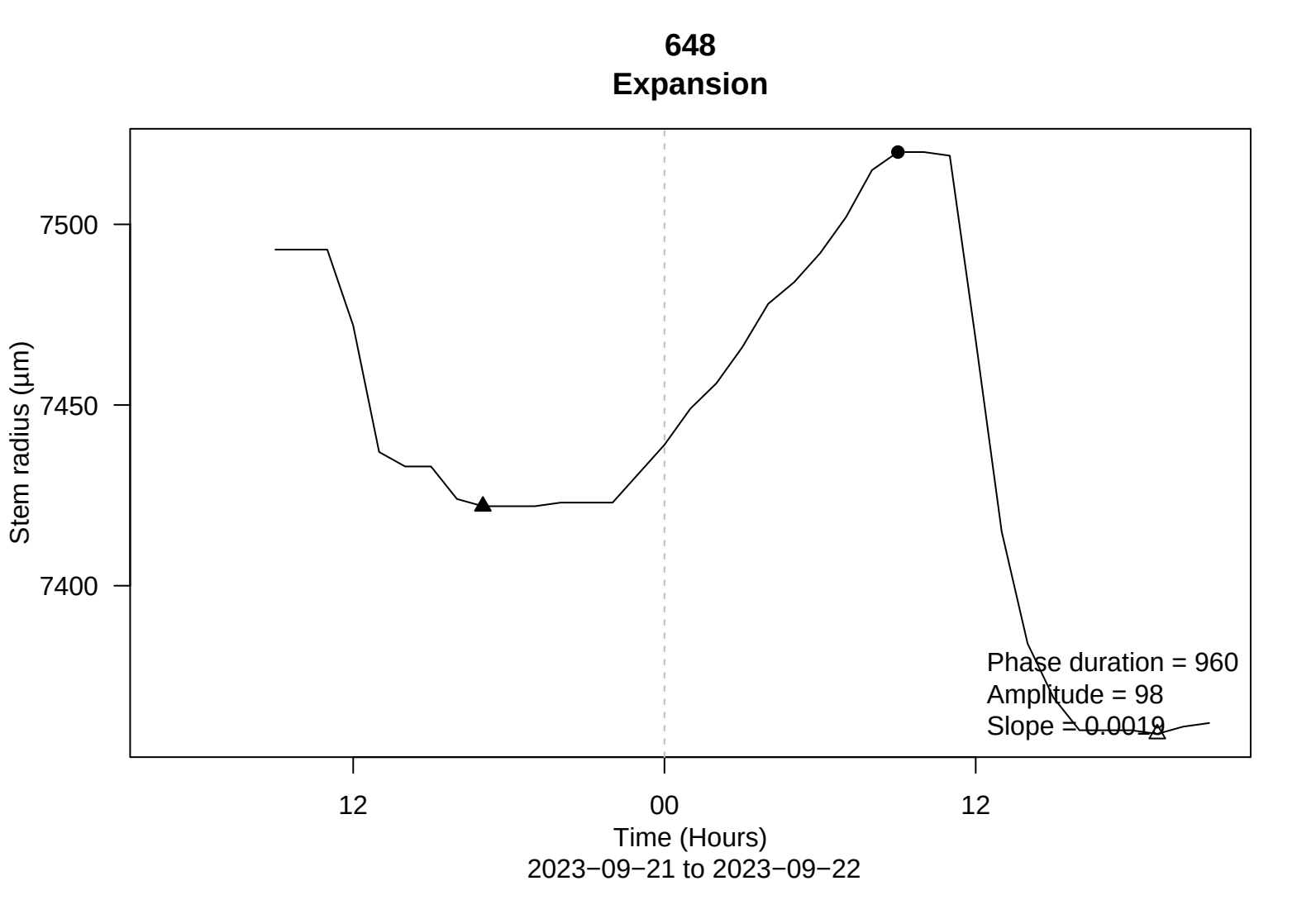

648
Shrinkage
7500
7450
7400
7350
Stem radius (µm)
Phase duration = 480
Amplitude = −202
Slope = −0.0084
00
12
00
Time (Hours)
2023−09−18 to 2023−09−18

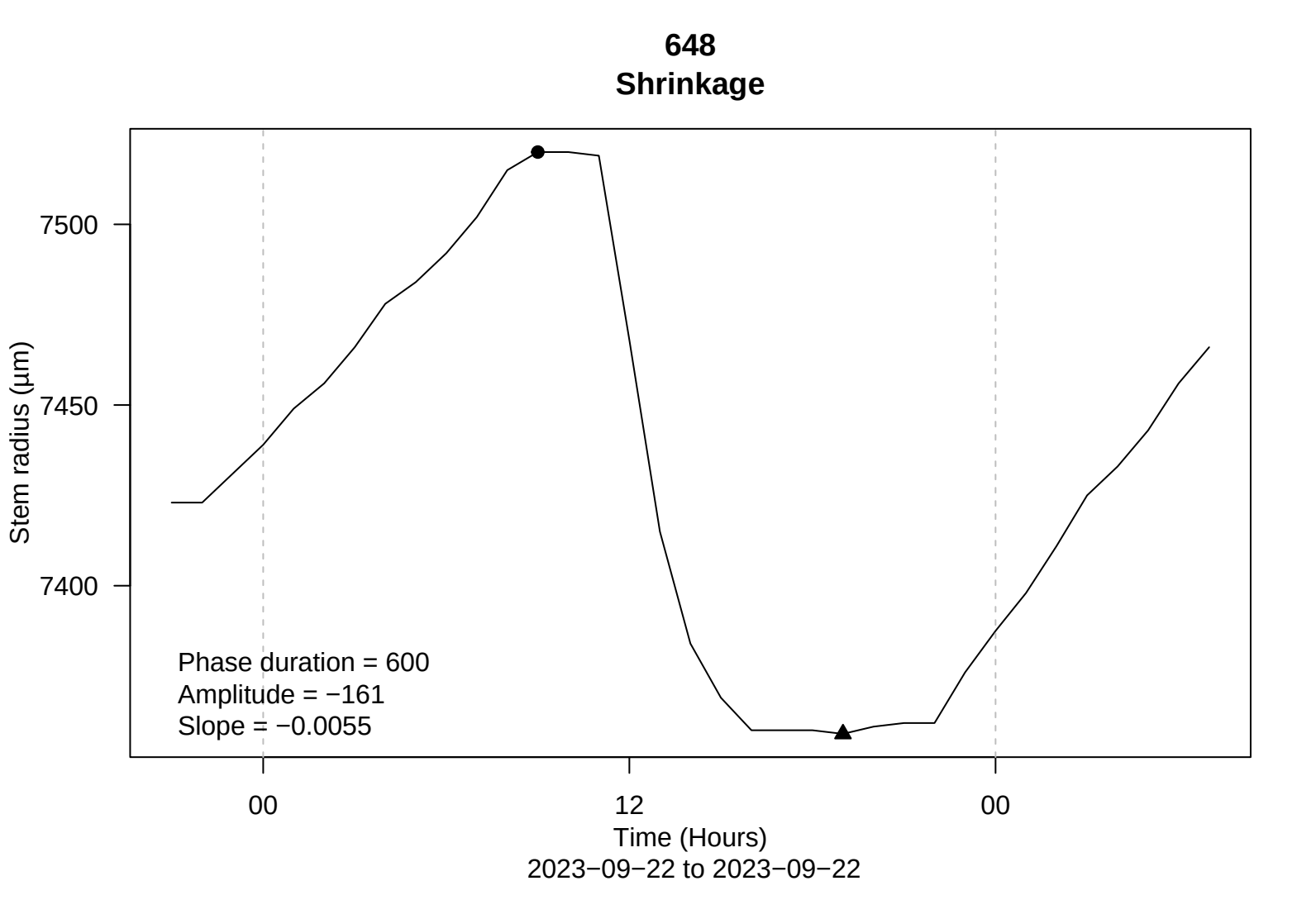

648
Expansion
7500
7450
7400
7350
Stem radius (µm)
Phase duration = 1020
Amplitude = 202
Slope = 0.0039
12
00
12
Time (Hours)
2023−09−18 to 2023−09−19

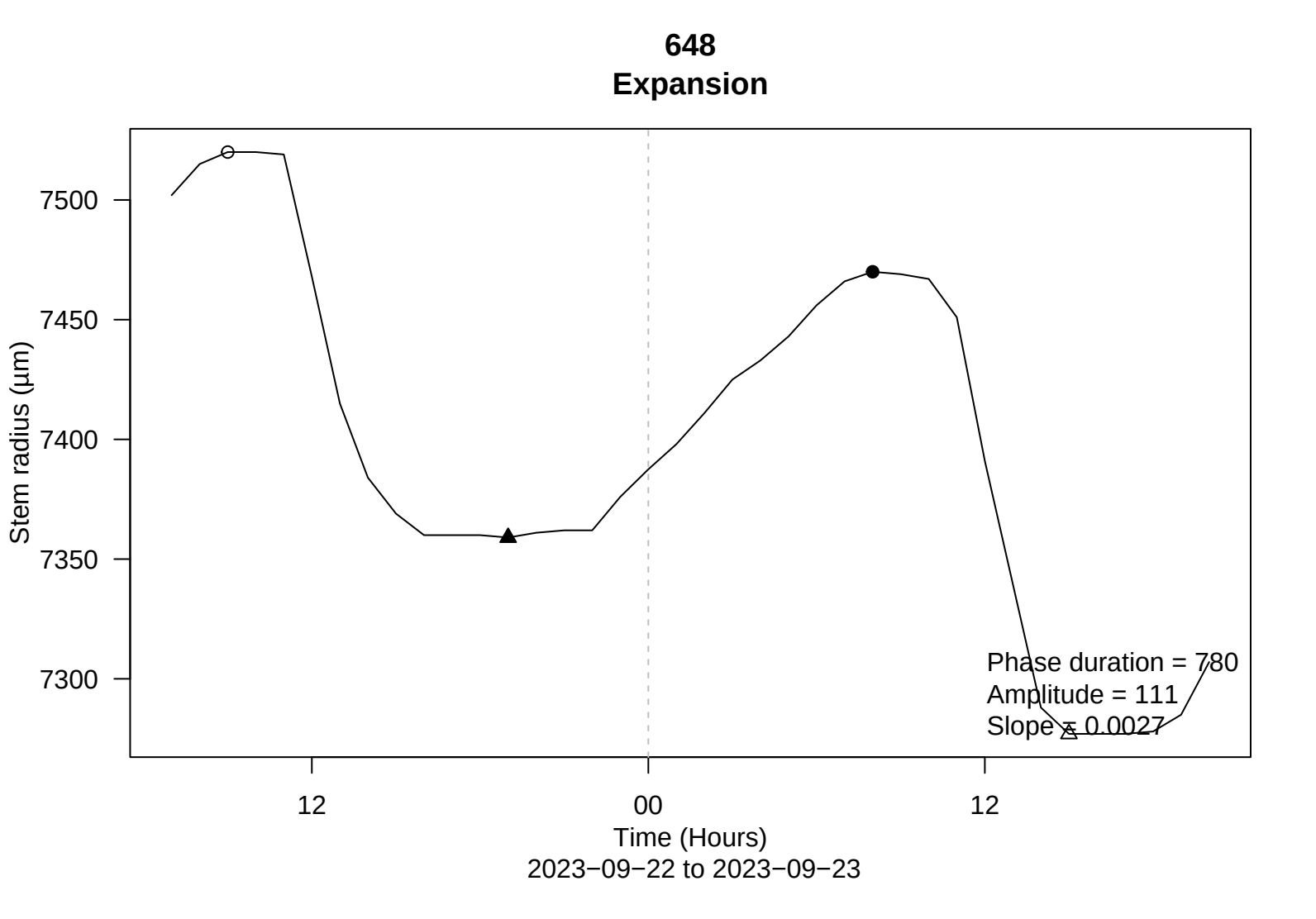

648
Shrinkage
7500
7450
7400
7350
Stem radius (µm)
Phase duration = 720
Amplitude = −209
Slope = −0.0061
00
12
00
Time (Hours)
2023−09−19 to 2023−09−19

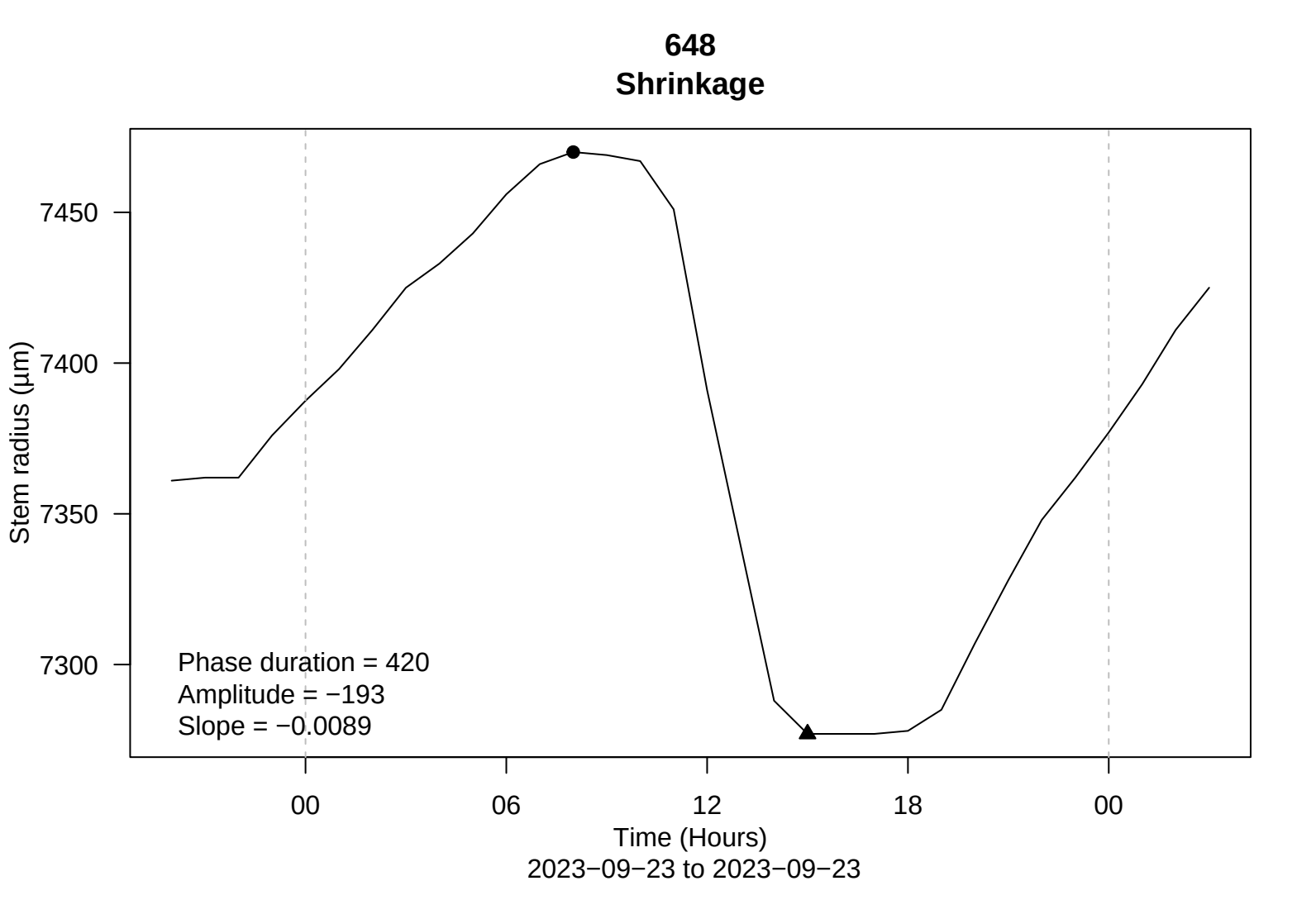

648
Expansion
7500
7450
7400
7350
7300
Stem radius (µm)
12
00
12
Time (Hours)
2023−09−19 to 2023−09−20
Phase duration = 720
Amplitude = 143
Slope = 0.0036

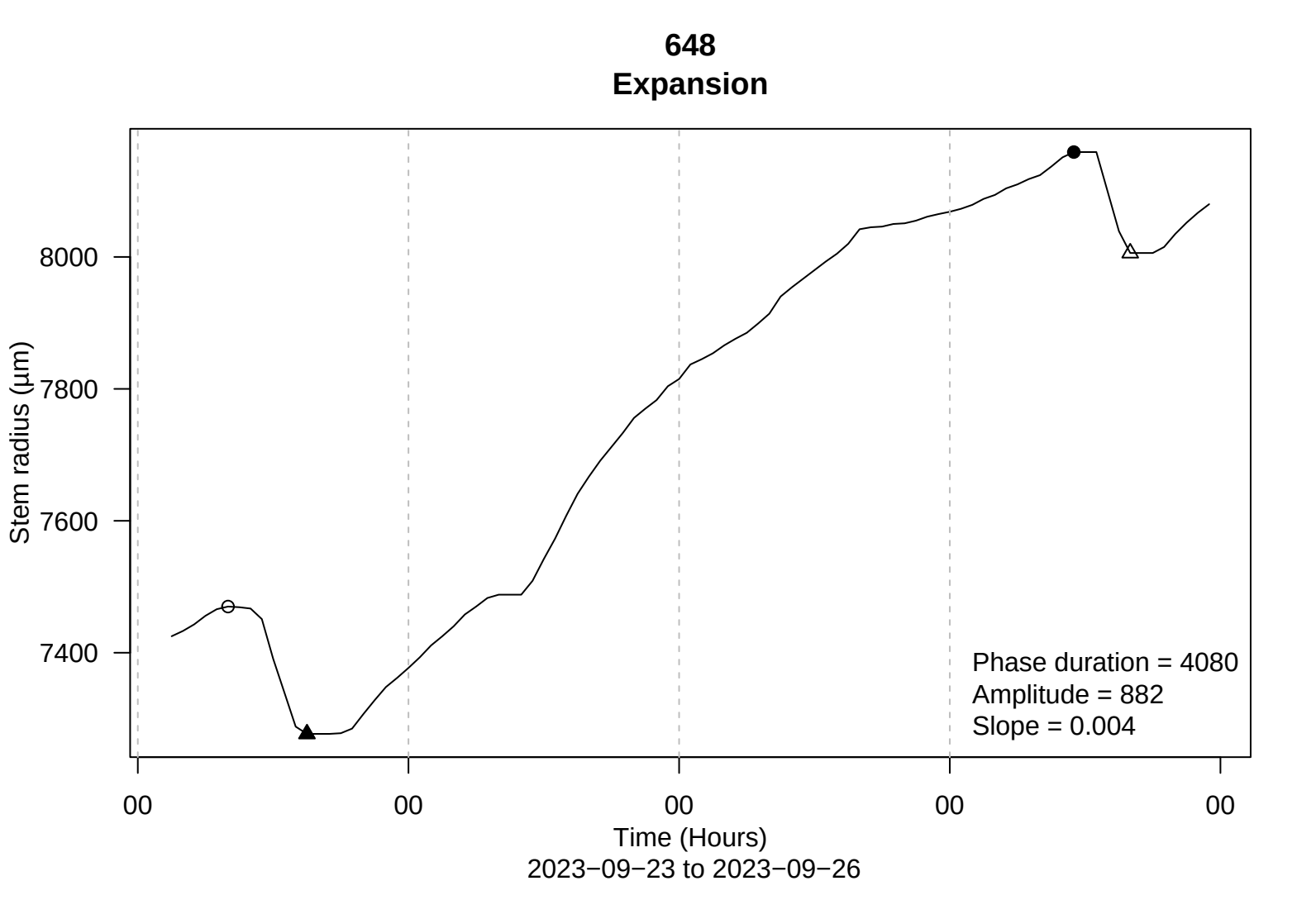

648
Shrinkage
7450
7400
7350
7300
Stem radius (µm)
Phase duration = 420
Amplitude = −170
Slope = −0.0074
00
06
12
18
00
Time (Hours)
2023−09−20 to 2023−09−20

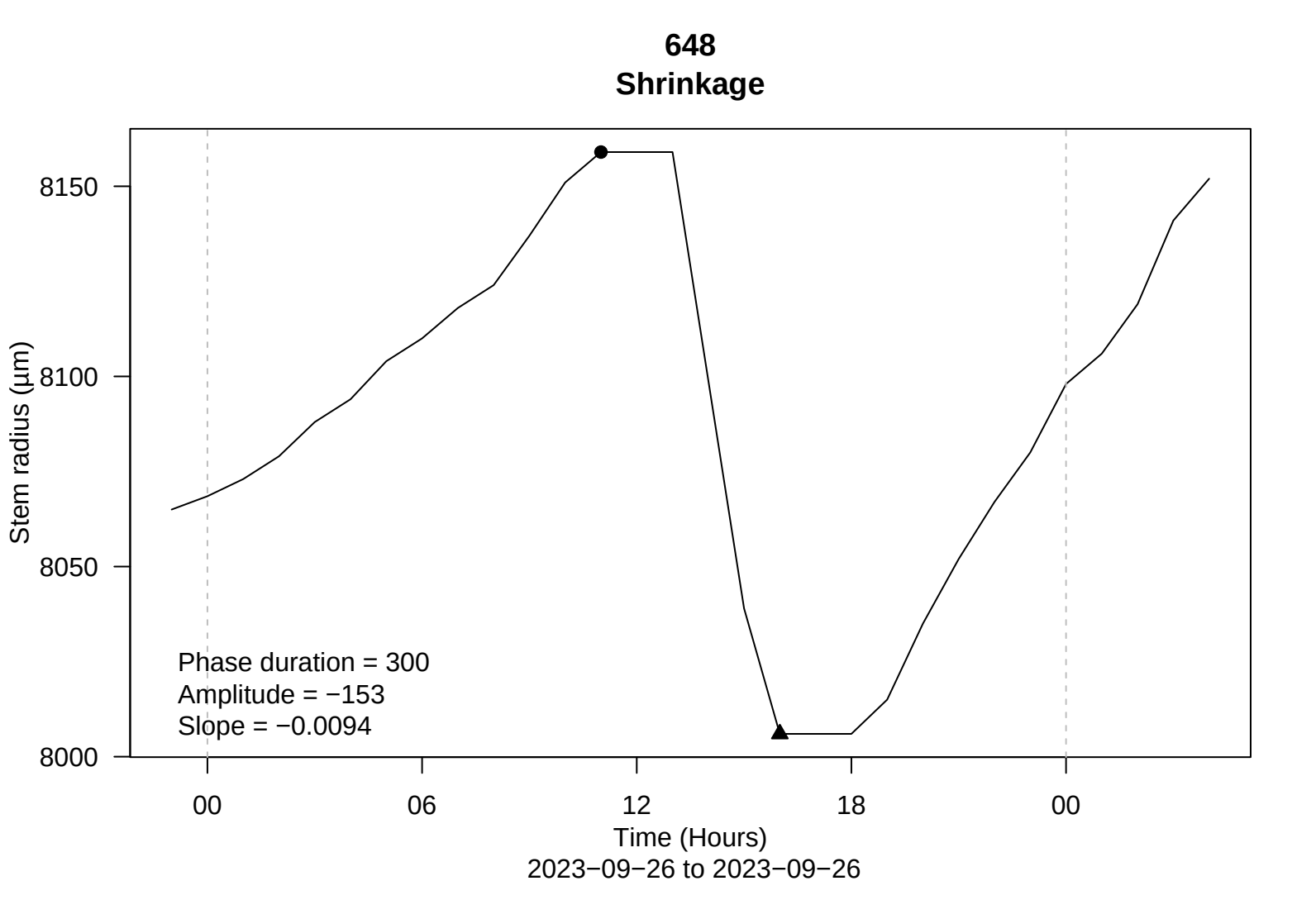

648
Expansion
7500
7450
7400
Stem radius (µm)
Phase duration = 960
Amplitude = 98
Slope = 0.0019
12
00
12
Time (Hours)
2023−09−21 to 2023−09−22

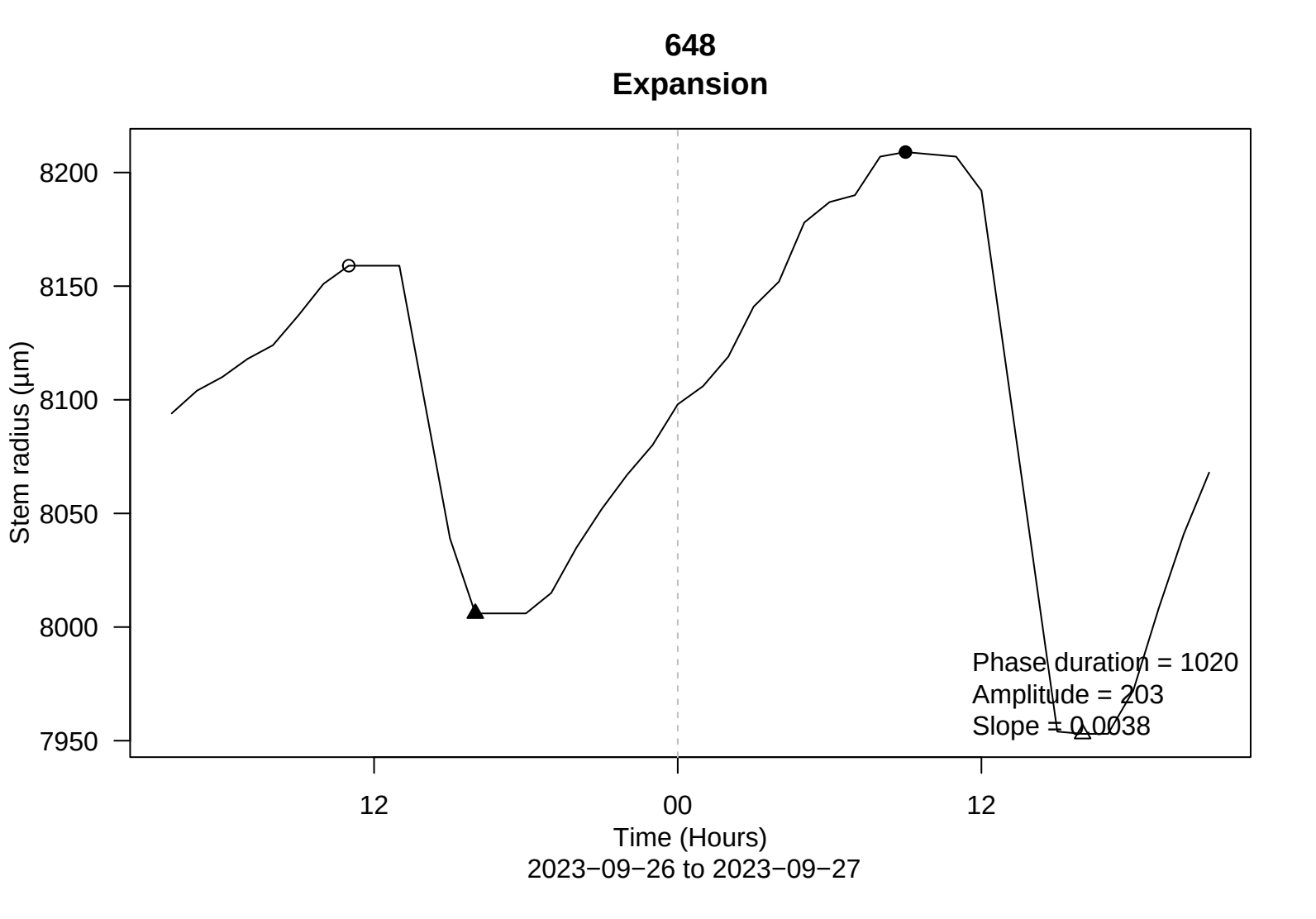

648
Shrinkage
7500
7450
7400
Stem radius (µm)
Phase duration = 600
Amplitude = −161
Slope = −0.0055
00
12
00
Time (Hours)
2023−09−22 to 2023−09−22

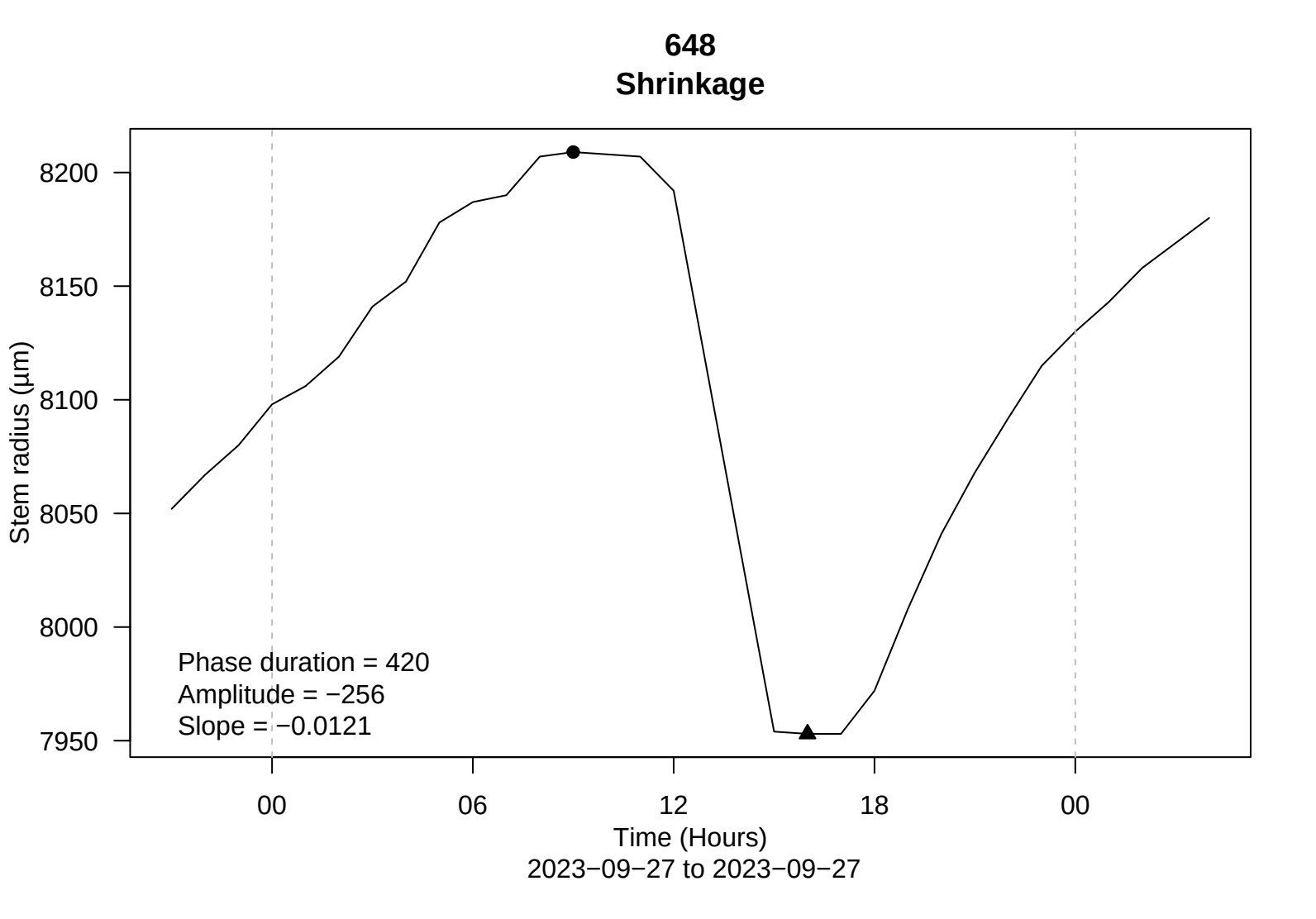

648
Expansion
7500
7450
7400
7350
7300
Stem radius (µm)
Phase duration = 780
Amplitude = 111
Slope = 0.0027
12
00
12
Time (Hours)
2023−09−22 to 2023−09−23

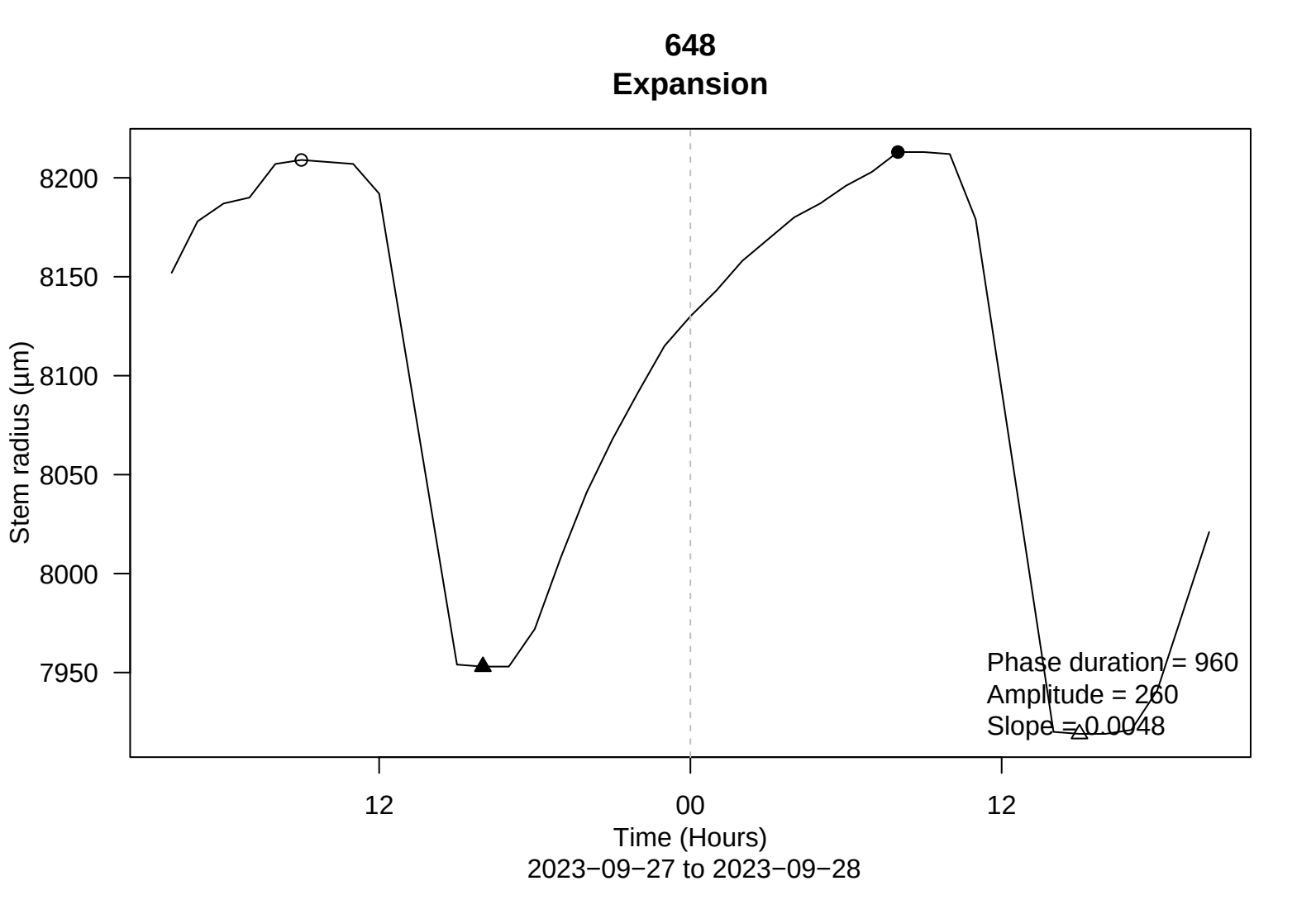

648
Shrinkage
7450
7400
7350
7300
Stem radius (µm)
Phase duration = 420
Amplitude = −193
Slope = −0.0089
00
06
12
18
00
Time (Hours)
2023−09−23 to 2023−09−23

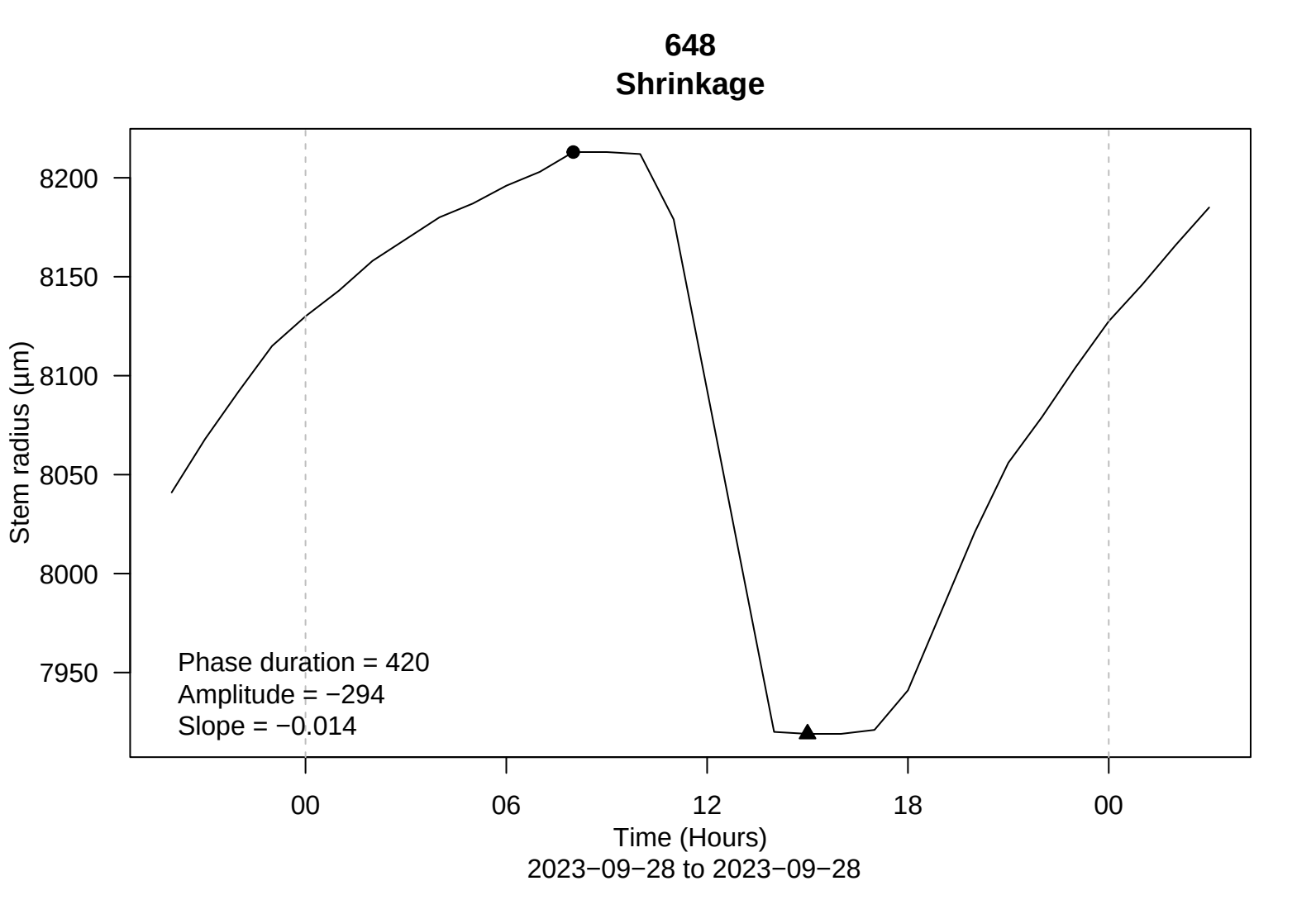

648
Expansion
8000
7800
7600
7400
Stem radius (µm)
Phase duration = 4080
Amplitude = 882
Slope = 0.004
00
00
00
00
00
Time (Hours)
2023−09−23 to 2023−09−26

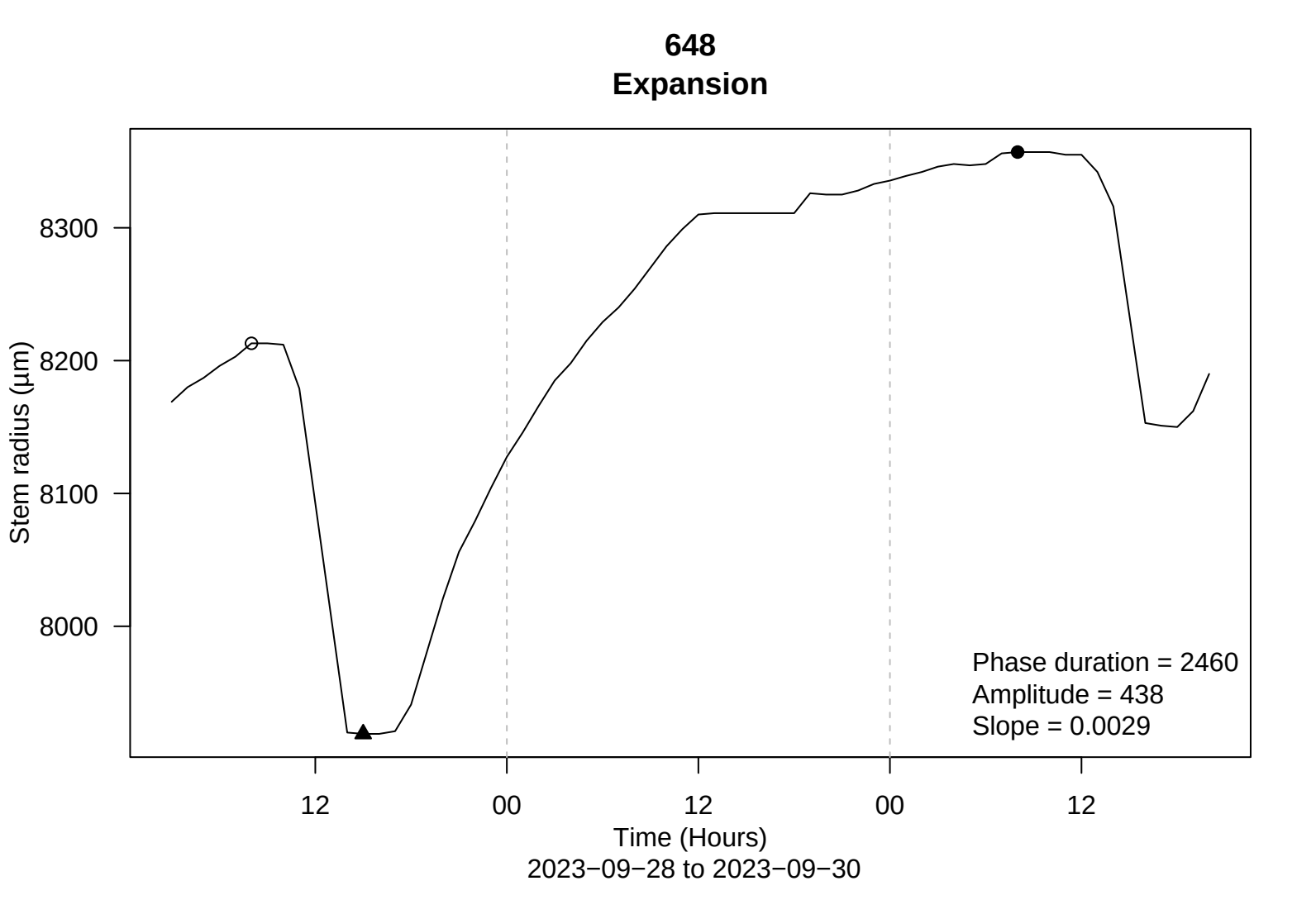

648
Shrinkage
8150
8100
8050
8000
Stem radius (µm)
Phase duration = 300
Amplitude = −153
Slope = −0.0094
00
06
12
18
00
Time (Hours)
2023−09−26 to 2023−09−26


648
Expansion
8200
8150
8100
8050
8000
7950
Stem radius (µm)
12
00
12
Time (Hours)
2023−09−26 to 2023−09−27
Phase duration = 1020
Amplitude = 203
Slope = 0.0038


648
Shrinkage
8200
8150
8100
8050
8000
7950
Stem radius (µm)
Phase duration = 420
Amplitude = −256
Slope = −0.0121
00
06
12
18
00
Time (Hours)
2023−09−27 to 2023−09−27


648
Expansion
8200
8150
8100
8050
8000
7950
Stem radius (µm)
Phase duration = 960
Amplitude = 260
Slope = 0.0048
12
00
12
Time (Hours)
2023−09−27 to 2023−09−28


648
Shrinkage
8200
8150
8100
8050
8000
7950
Stem radius (µm)
Phase duration = 420
Amplitude = −294
Slope = −0.014
00
06
12
18
00
Time (Hours)
2023−09−28 to 2023−09−28


648
Expansion
8300
8200
8100
8000
Stem radius (µm)
Phase duration = 2460
Amplitude = 438
Slope = 0.0029
12
00
12
00
12
Time (Hours)
2023−09−28 to 2023−09−30