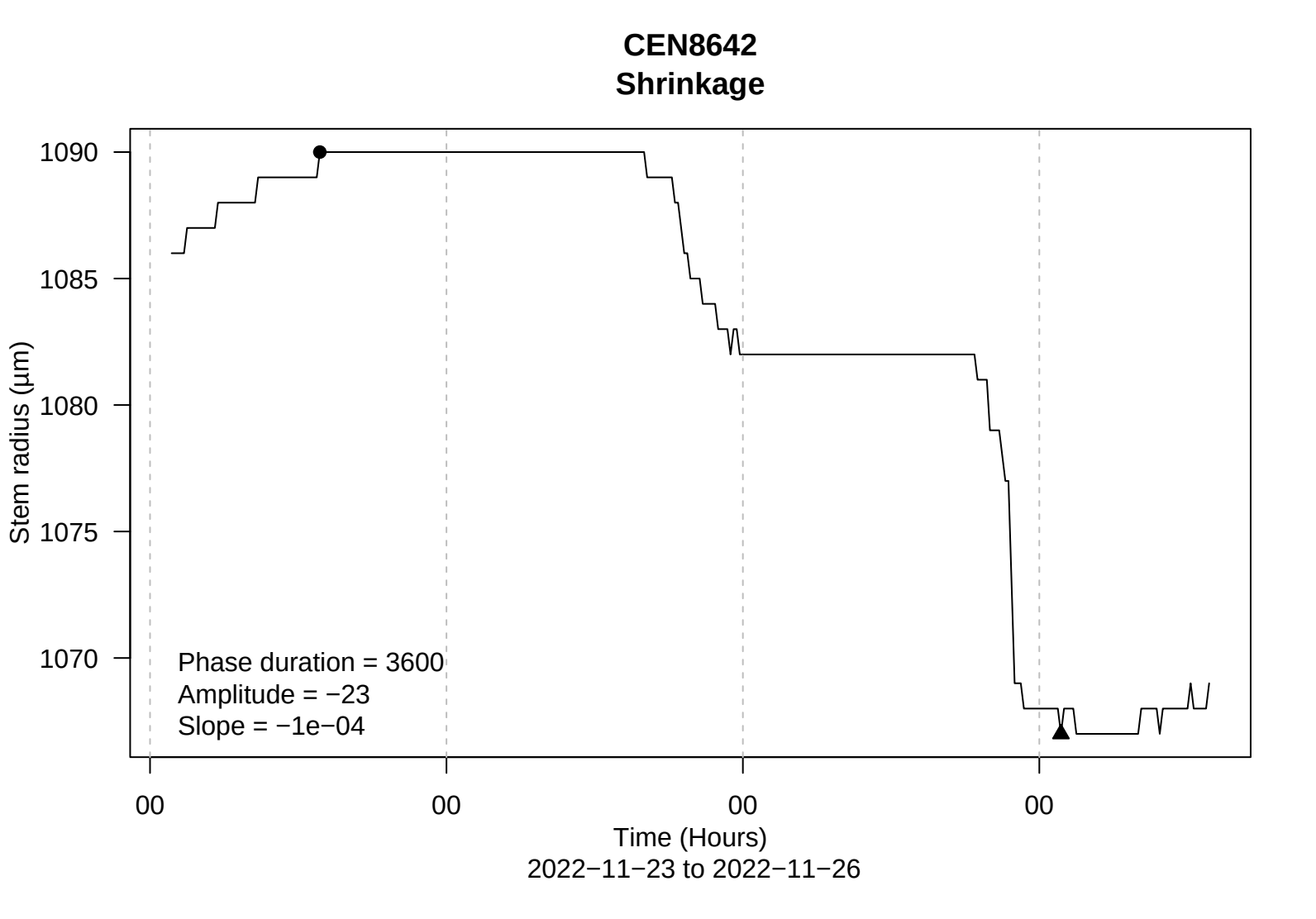
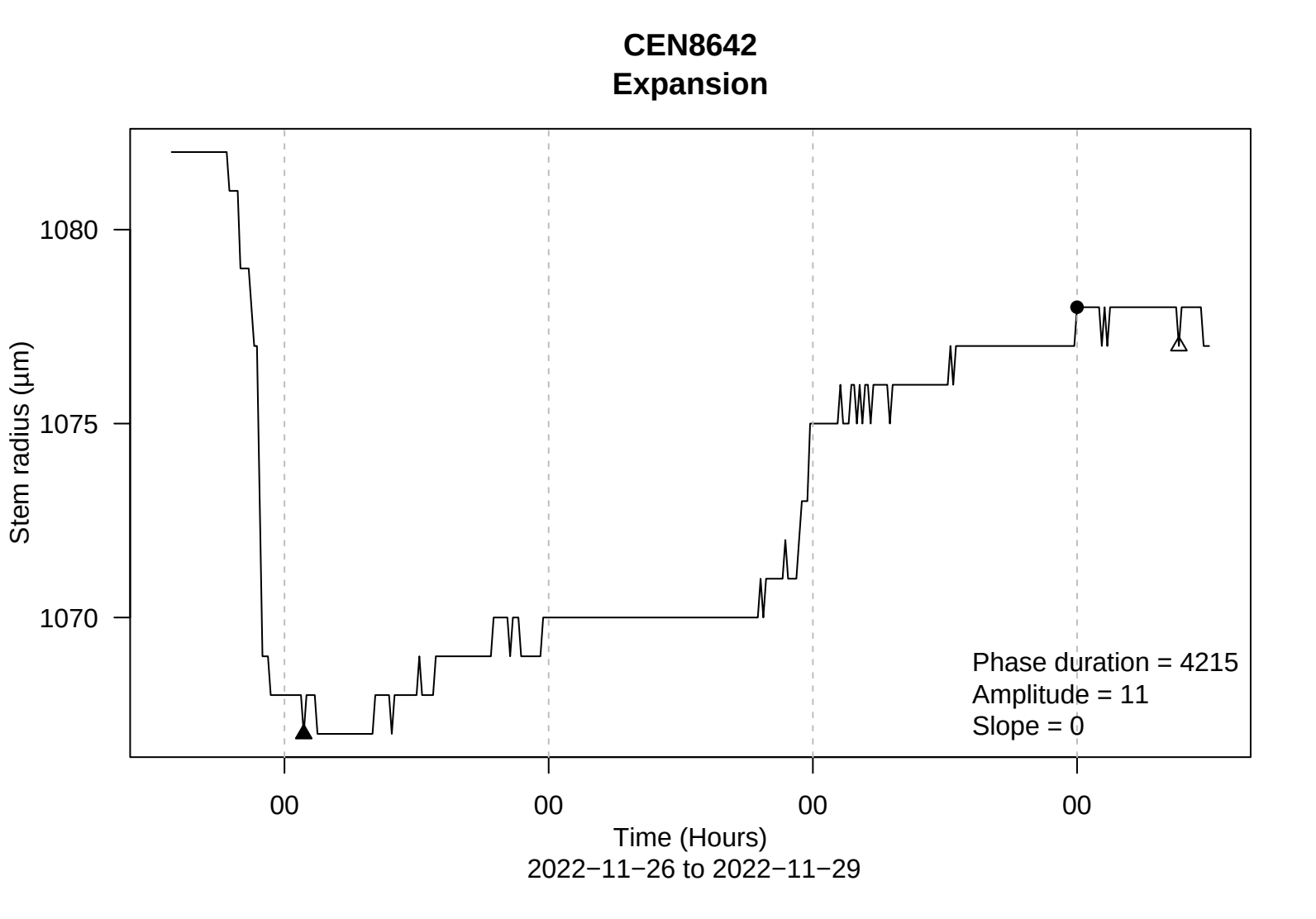
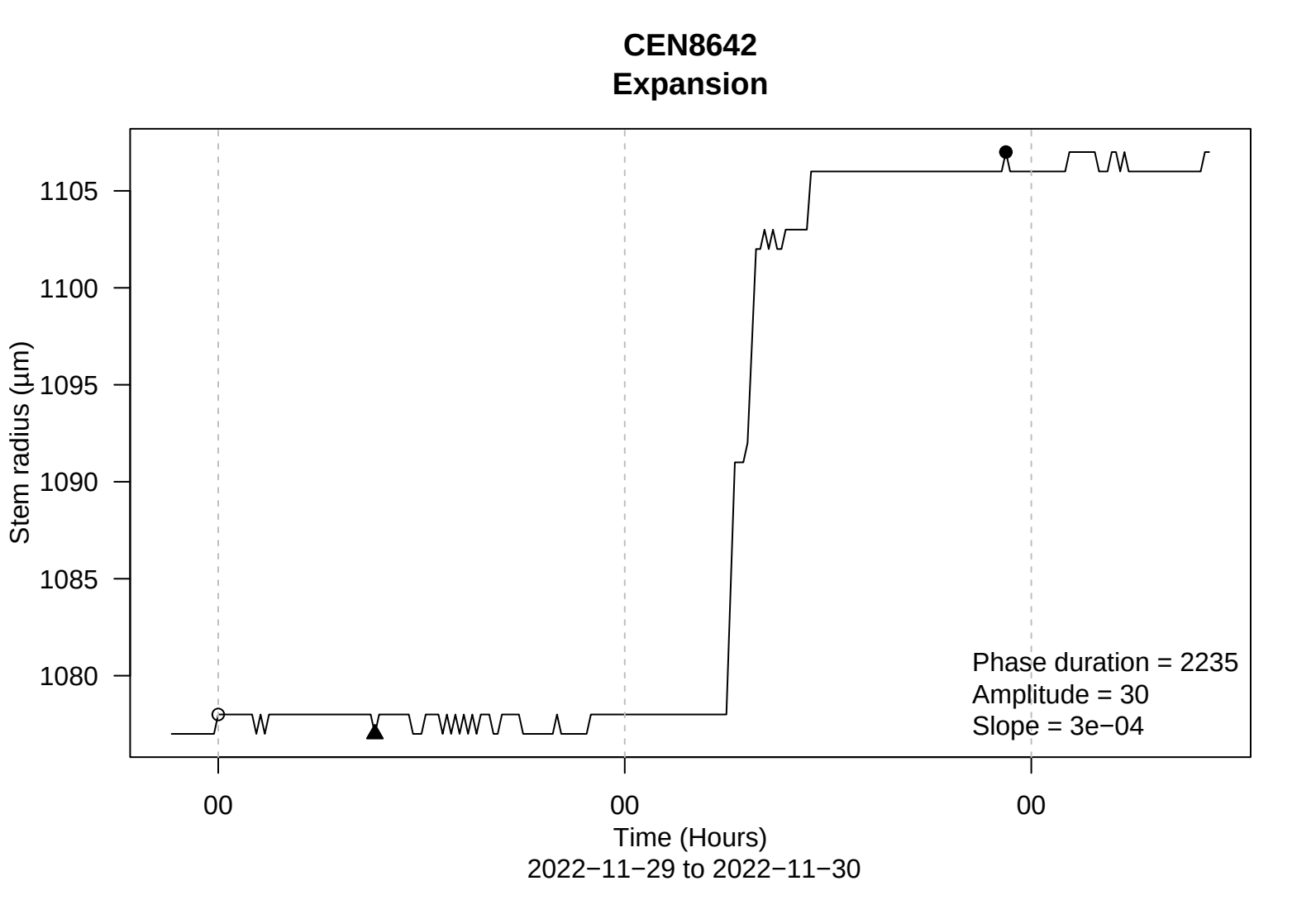
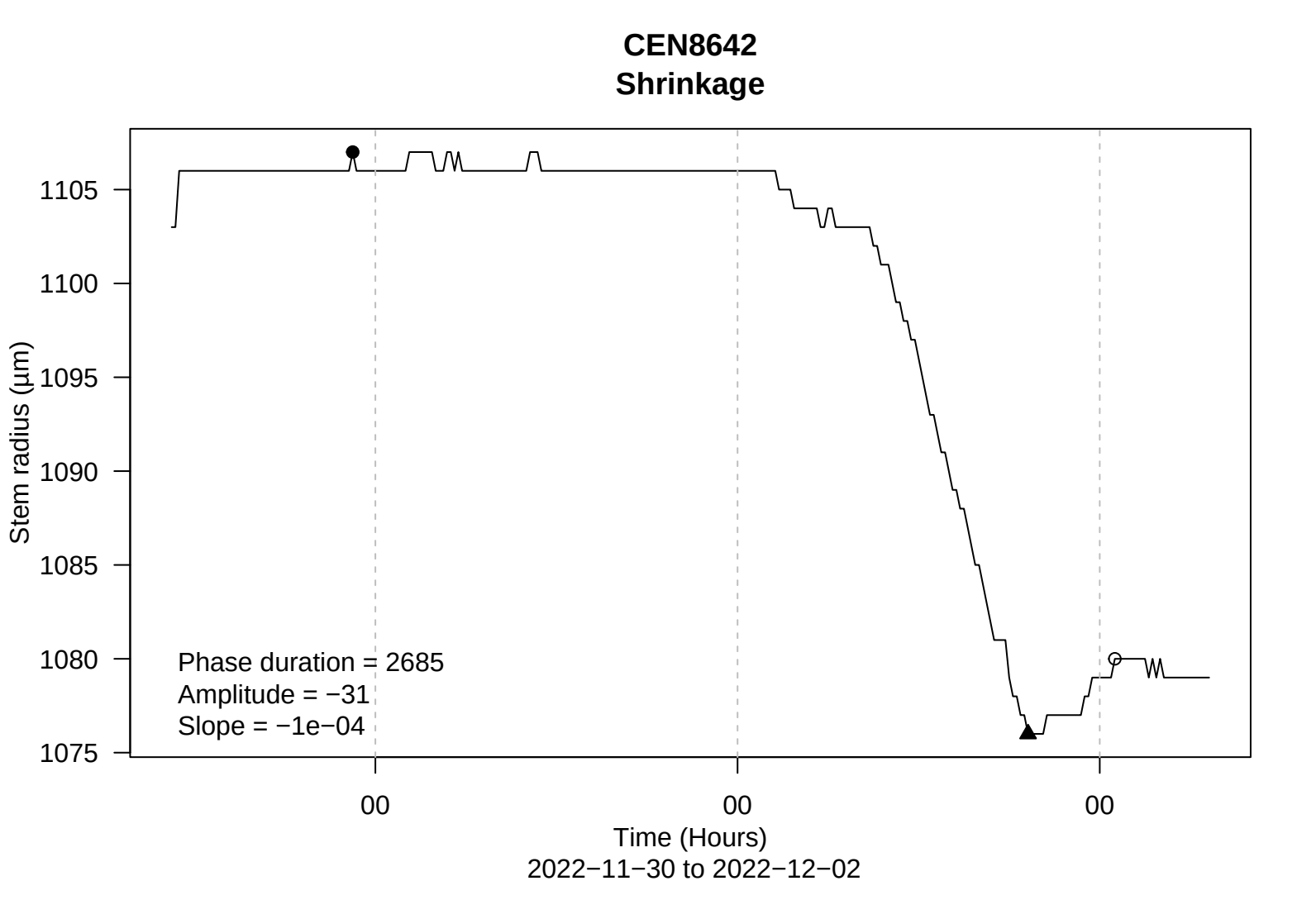
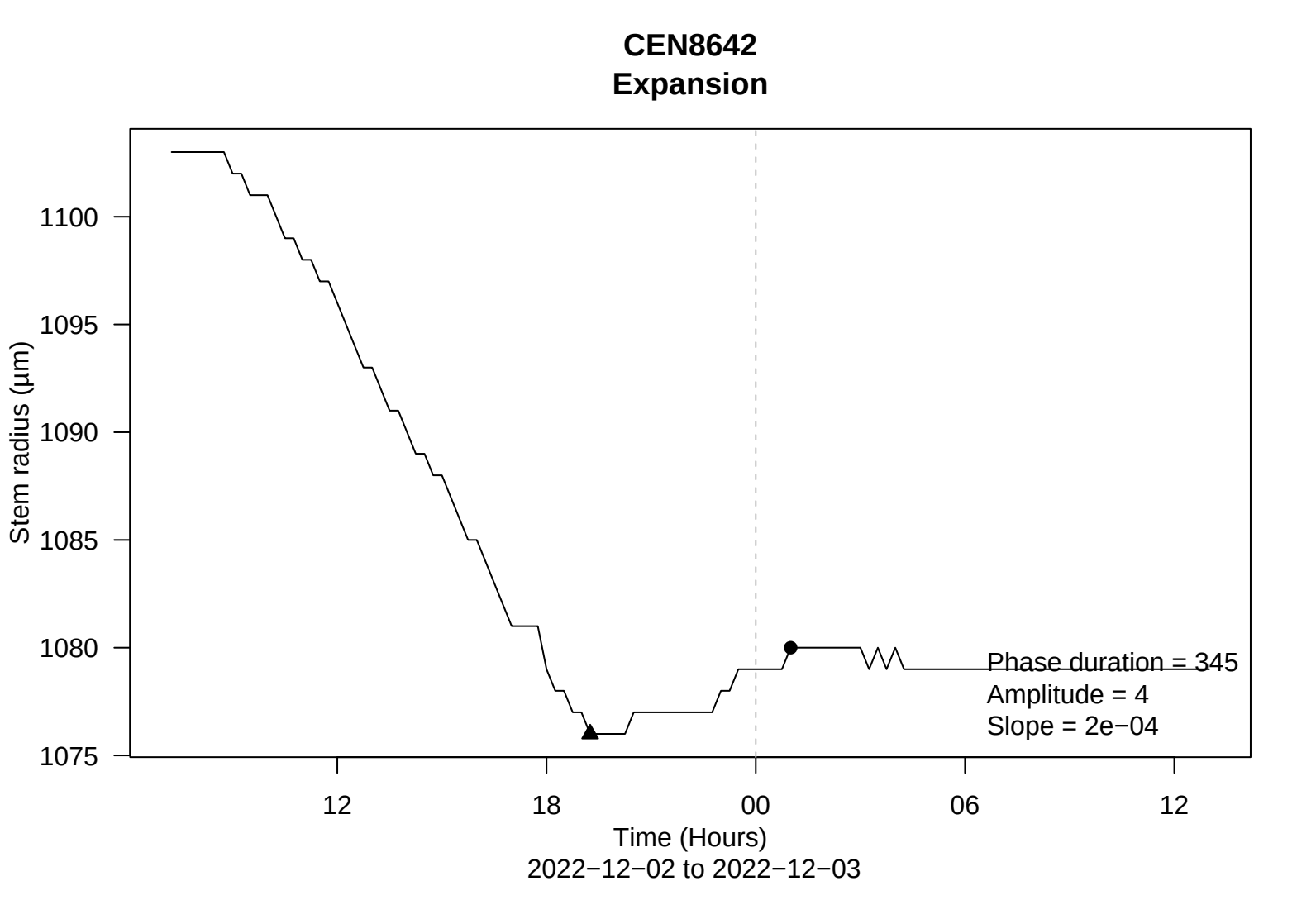
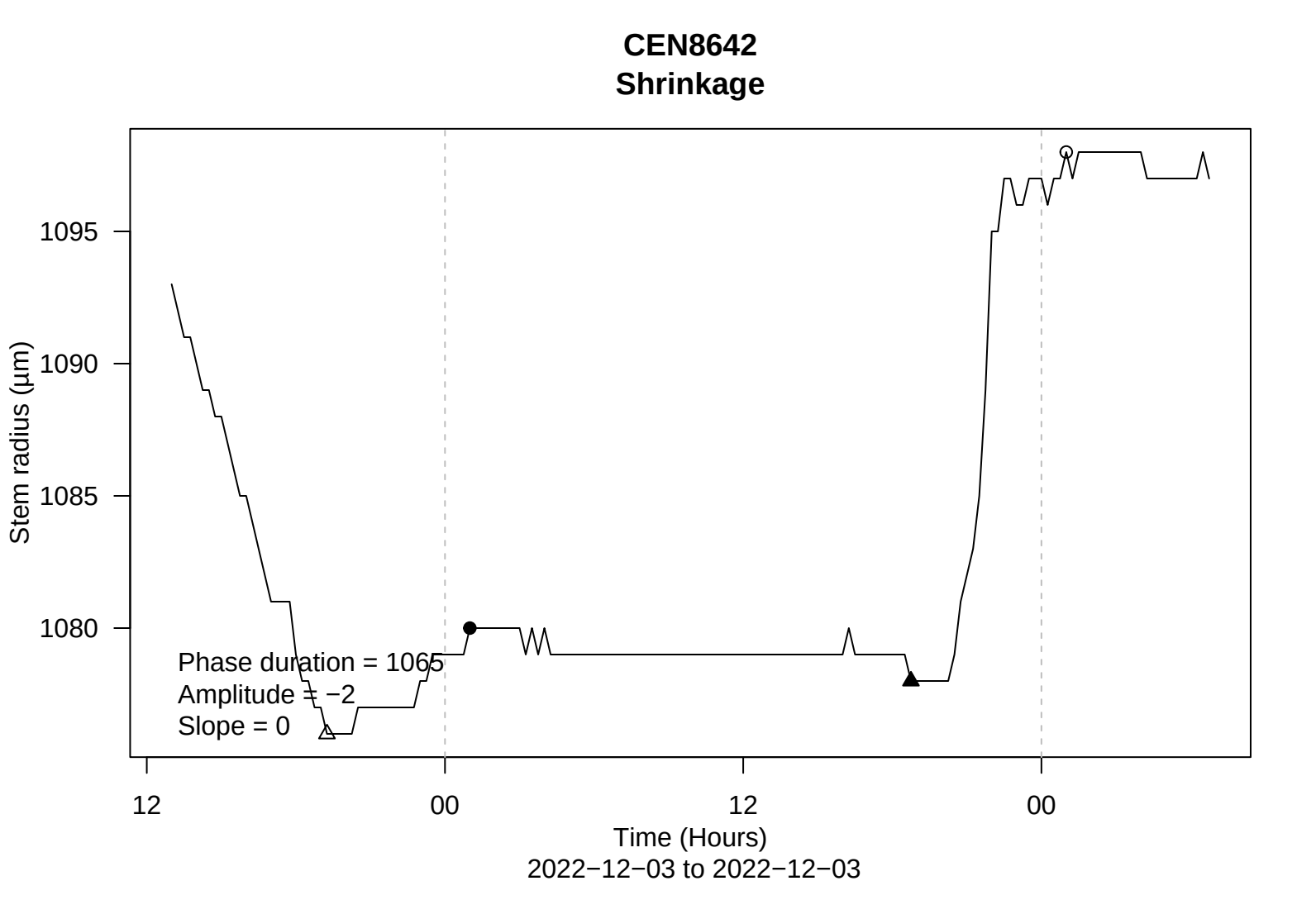

CEN8642
Shrinkage
1090
1085
1080
1075
1070
Stem radius (µm)
Phase duration = 3600
Amplitude = −23
Slope = −1e−04
00
00
00
00
Time (Hours)
2022−11−23 to 2022−11−26

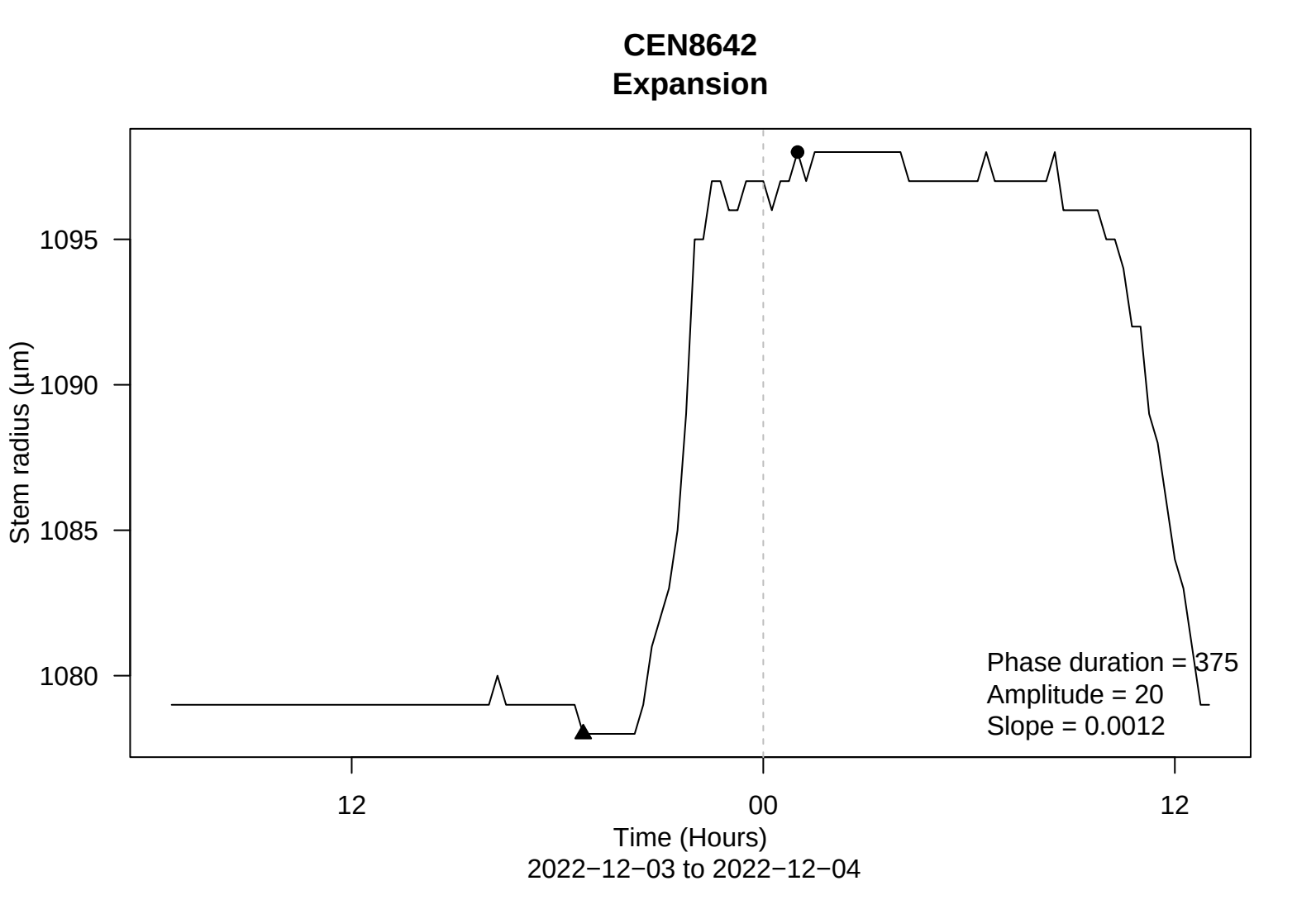

CEN8642
Expansion
1080
1075
1070
Stem radius (µm)
Phase duration = 4215
Amplitude = 11
Slope = 0
00
00
00
00
Time (Hours)
2022−11−26 to 2022−11−29

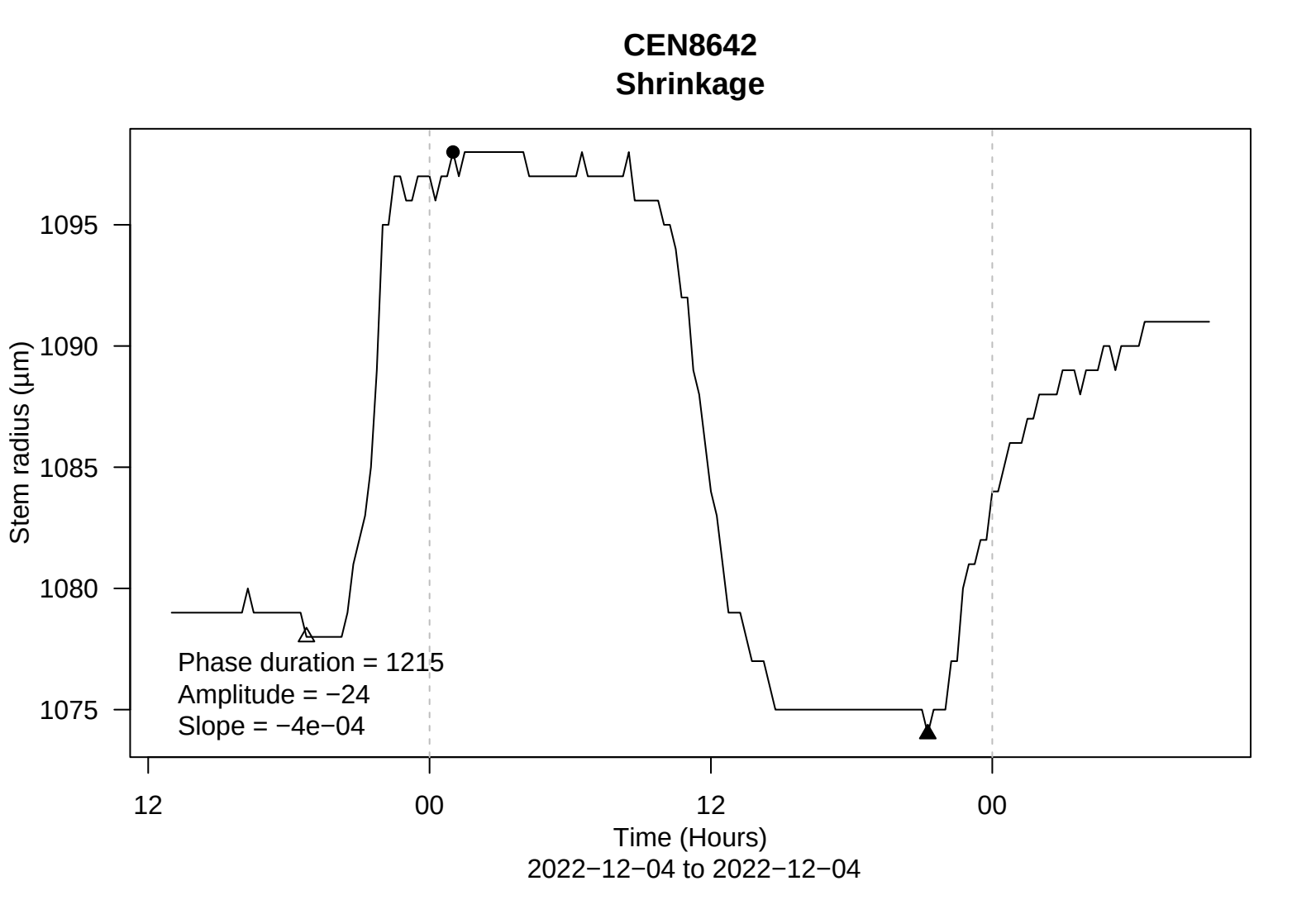

CEN8642
Expansion
1105
1100
1095
1090
1085
1080
Stem radius (µm)
Phase duration = 2235
Amplitude = 30
Slope = 3e−04
00
00
00
Time (Hours)
2022−11−29 to 2022−11−30

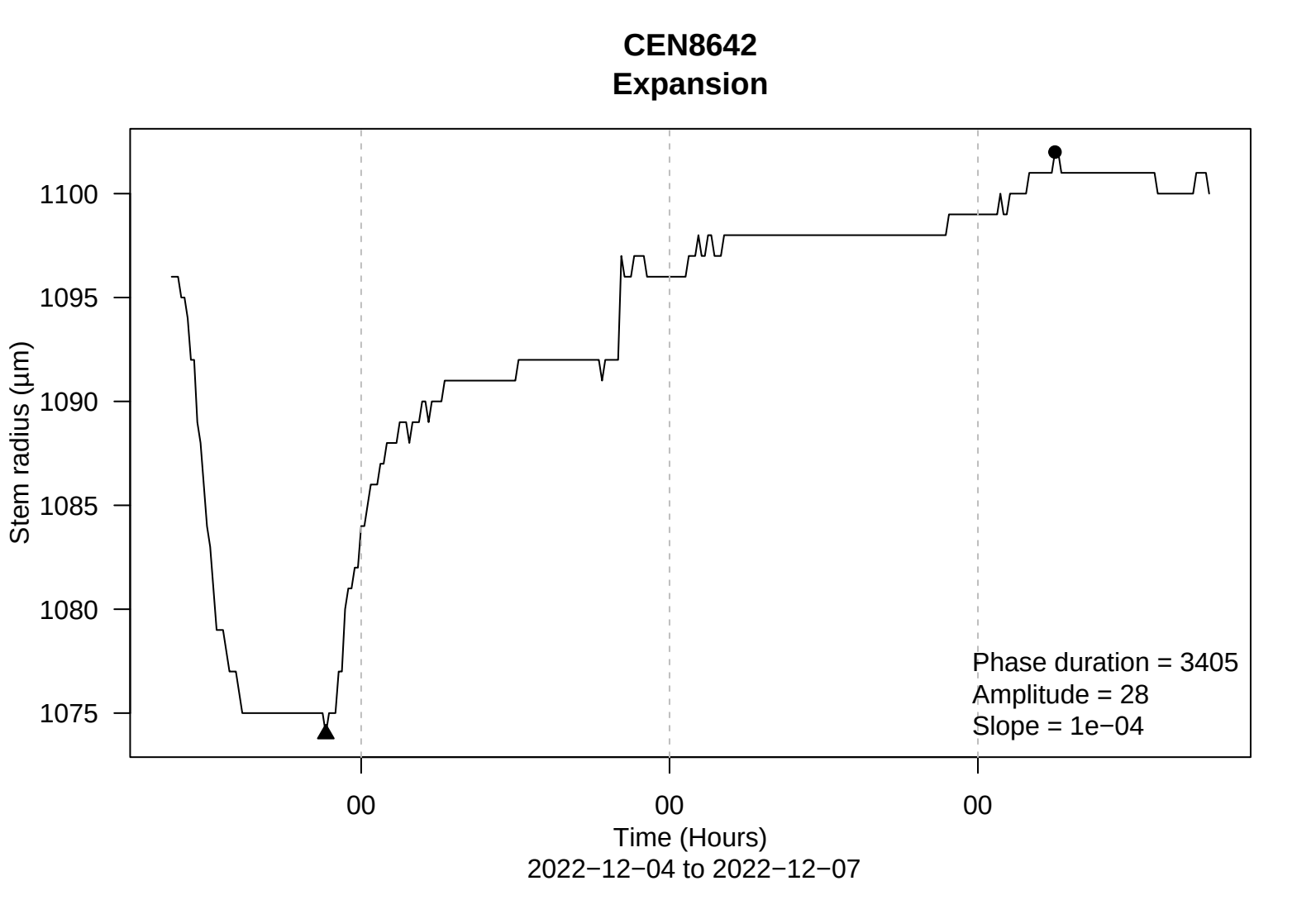

CEN8642
Shrinkage
Stem radius (µm)
1105
1100
1095
1090
1085
1080
1075
Phase duration = 2685
Amplitude = −31
Slope = −1e−04
00
00
00
Time (Hours)
2022−11−30 to 2022−12−02

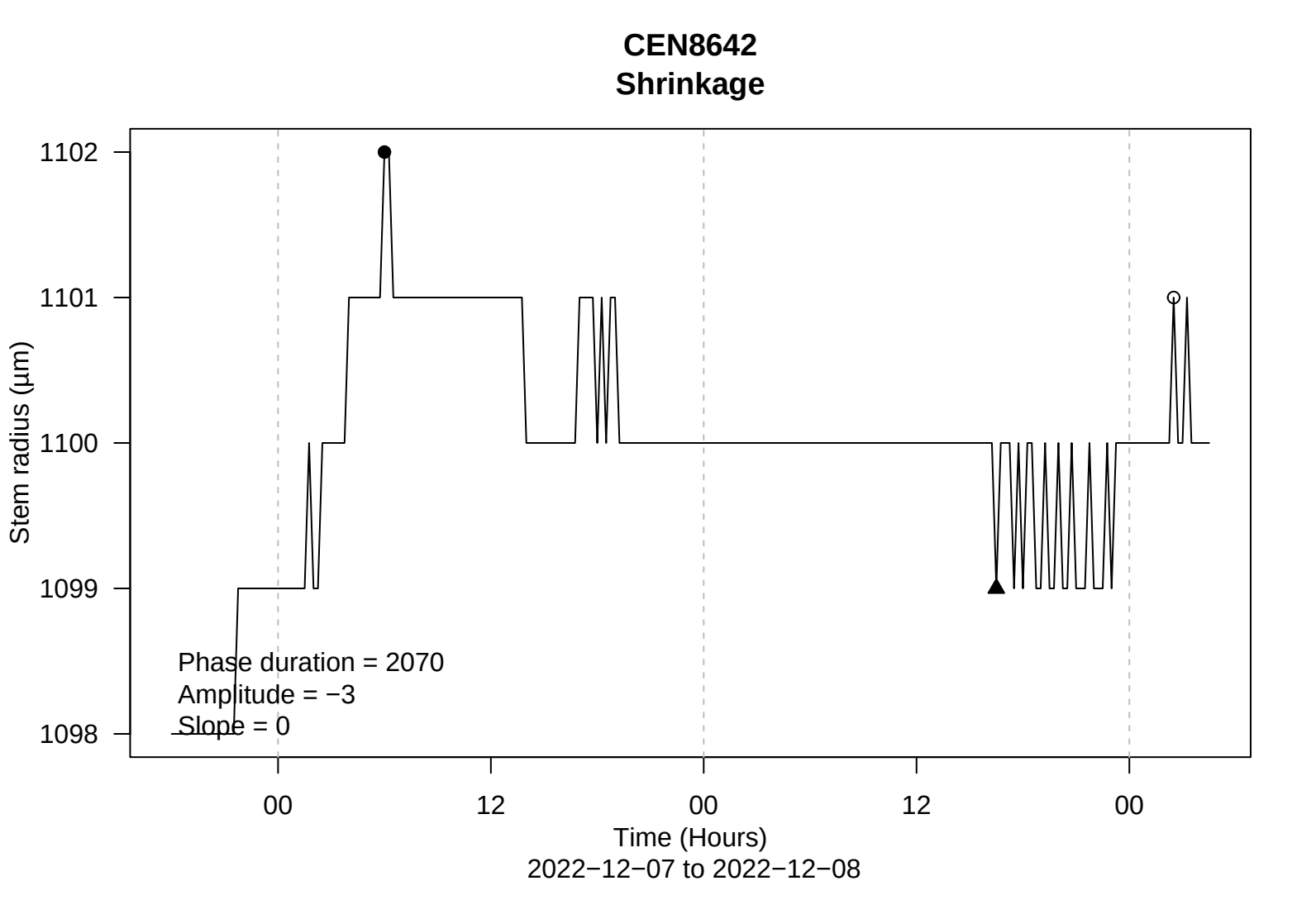

CEN8642
Expansion
1100
1095
1090
1085
1080
1075
Stem radius (µm)
12
18
00
06
12
Time (Hours)
2022−12−02 to 2022−12−03
Phase duration = 345
Amplitude = 4
Slope = 2e−04

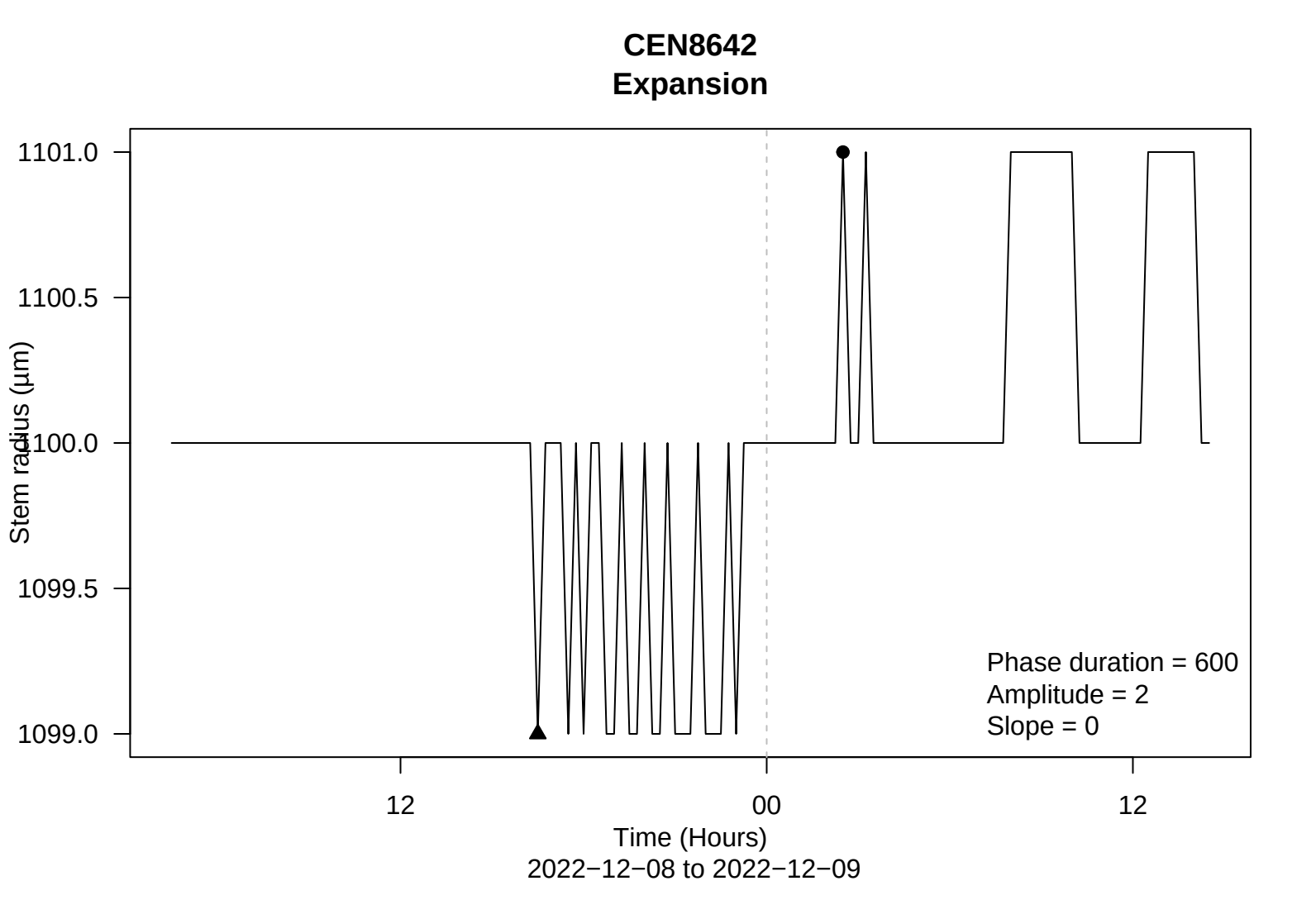

CEN8642
Shrinkage
Stem radius (µm)
1095
1090
1085
1080
Phase duration = 1065
Amplitude = −2
Slope = 0
12
00
12
00
Time (Hours)
2022−12−03 to 2022−12−03

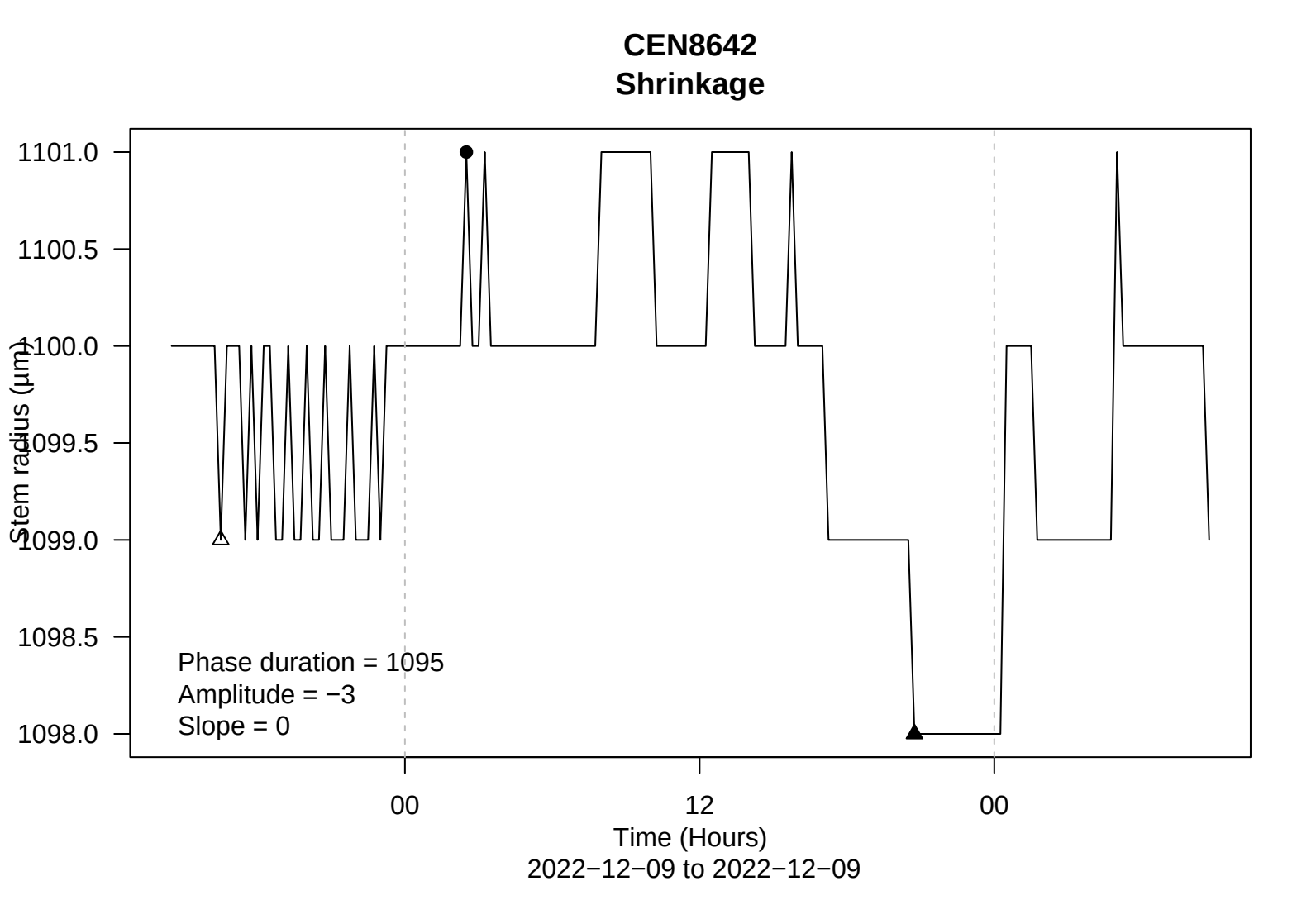

CEN8642
Expansion
1095
1090
1085
1080
Stem radius (µm)
12
00
12
Time (Hours)
2022−12−03 to 2022−12−04
Phase duration = 375
Amplitude = 20
Slope = 0.0012

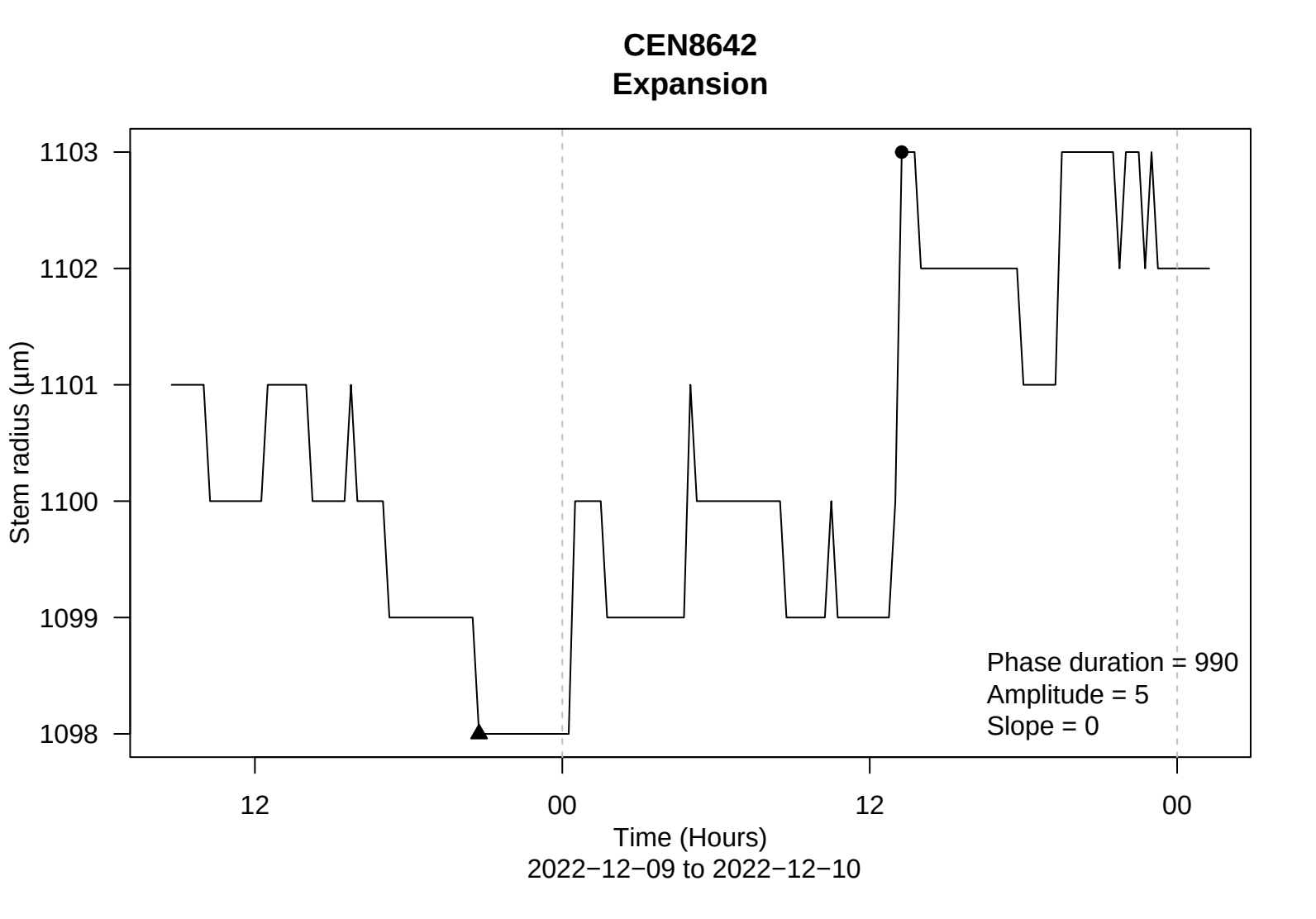

CEN8642
Shrinkage
Stem radius (µm)
1095
1090
1085
1080
1075
Phase duration = 1215
Amplitude = −24
Slope = −4e−04
12
00
12
00
Time (Hours)
2022−12−04 to 2022−12−04

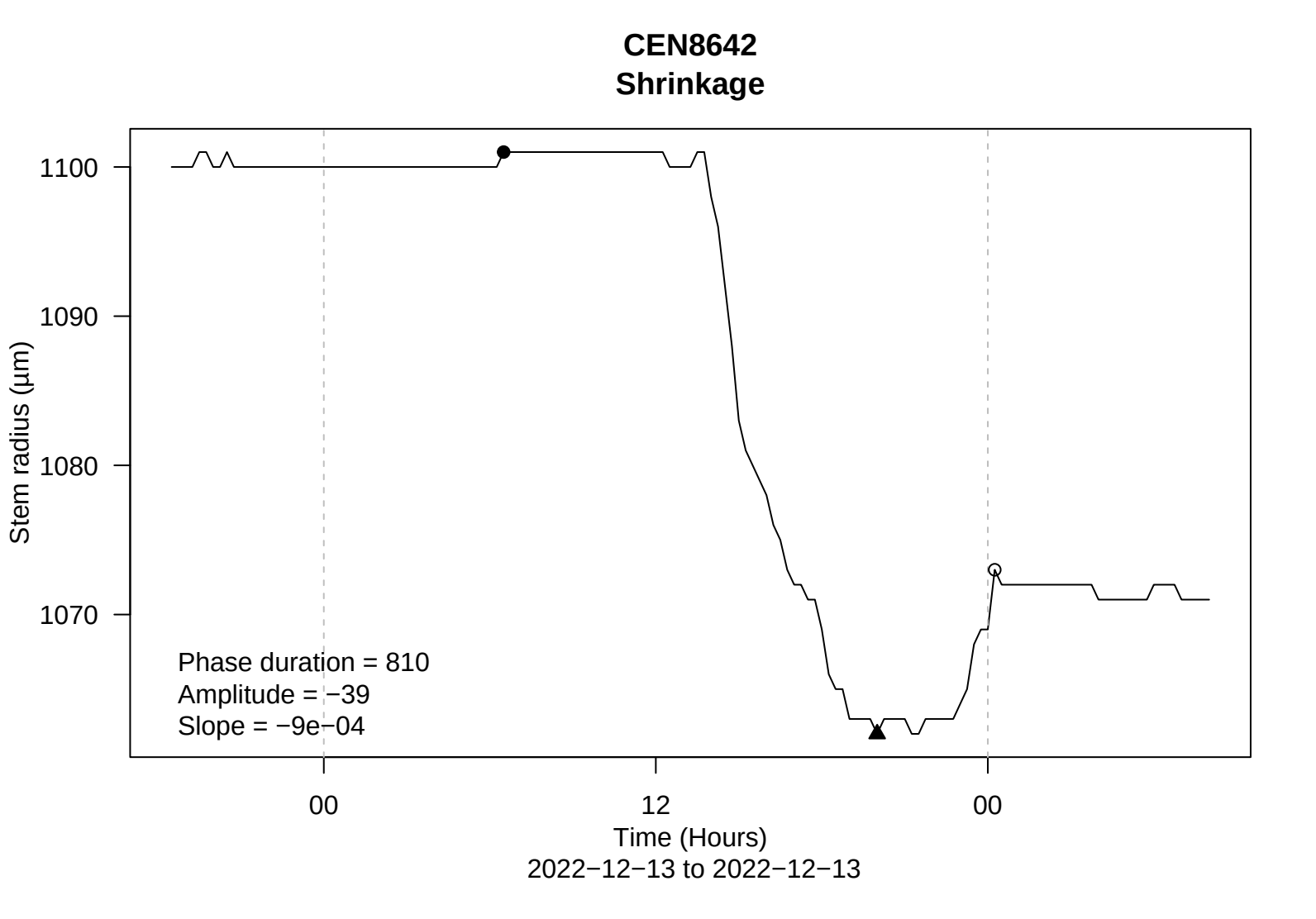

CEN8642
Expansion
1100
1095
1090
1085
1080
1075
Stem radius (µm)
Phase duration = 3405
Amplitude = 28
Slope = 1e−04
00
00
00
Time (Hours)
2022−12−04 to 2022−12−07

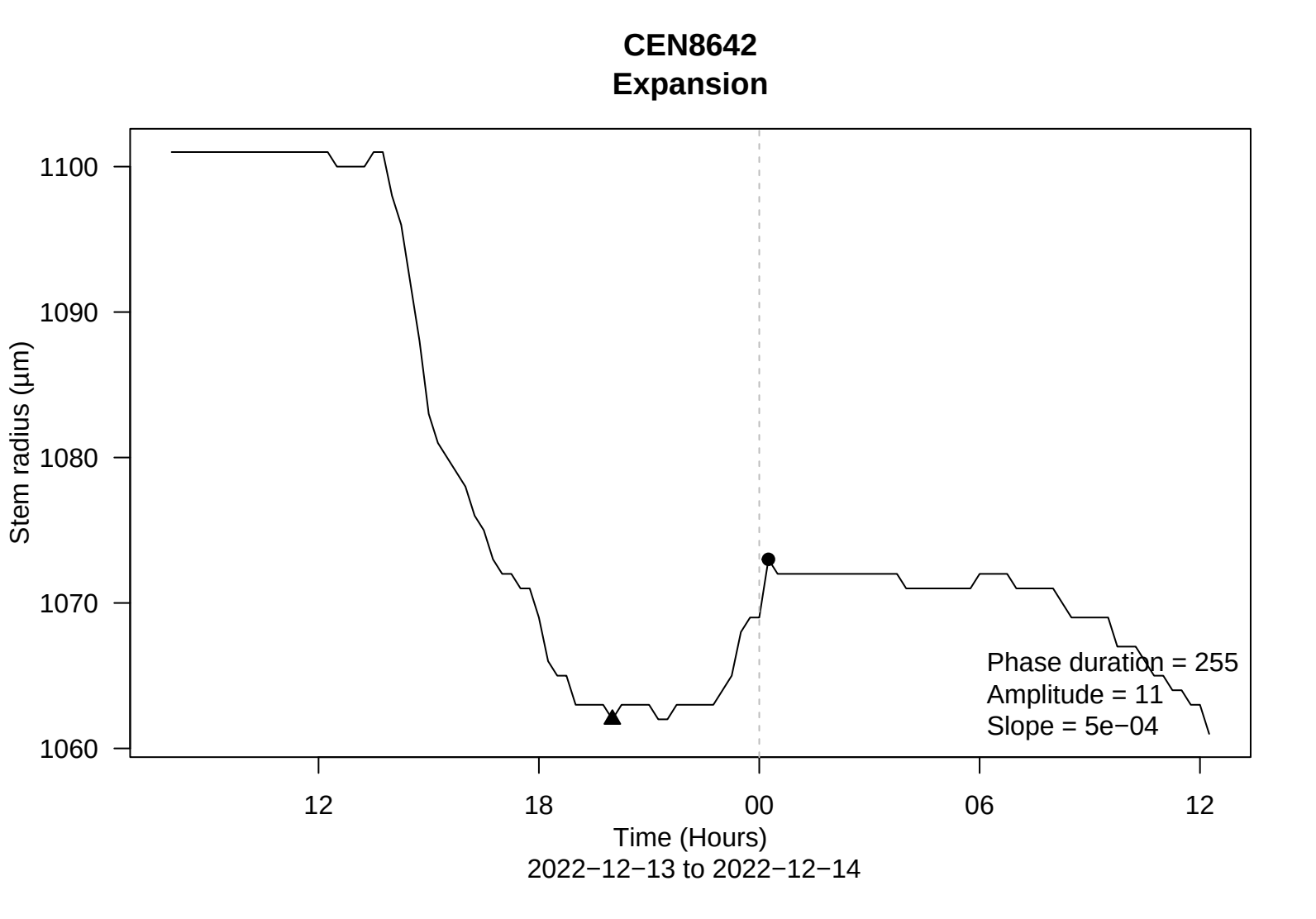

CEN8642
Shrinkage
1102
1101
1100
1099
1098
Stem radius (µm)
Phase duration = 2070
Amplitude = −3
Slope = 0
00
12
00
12
00
Time (Hours)
2022−12−07 to 2022−12−08

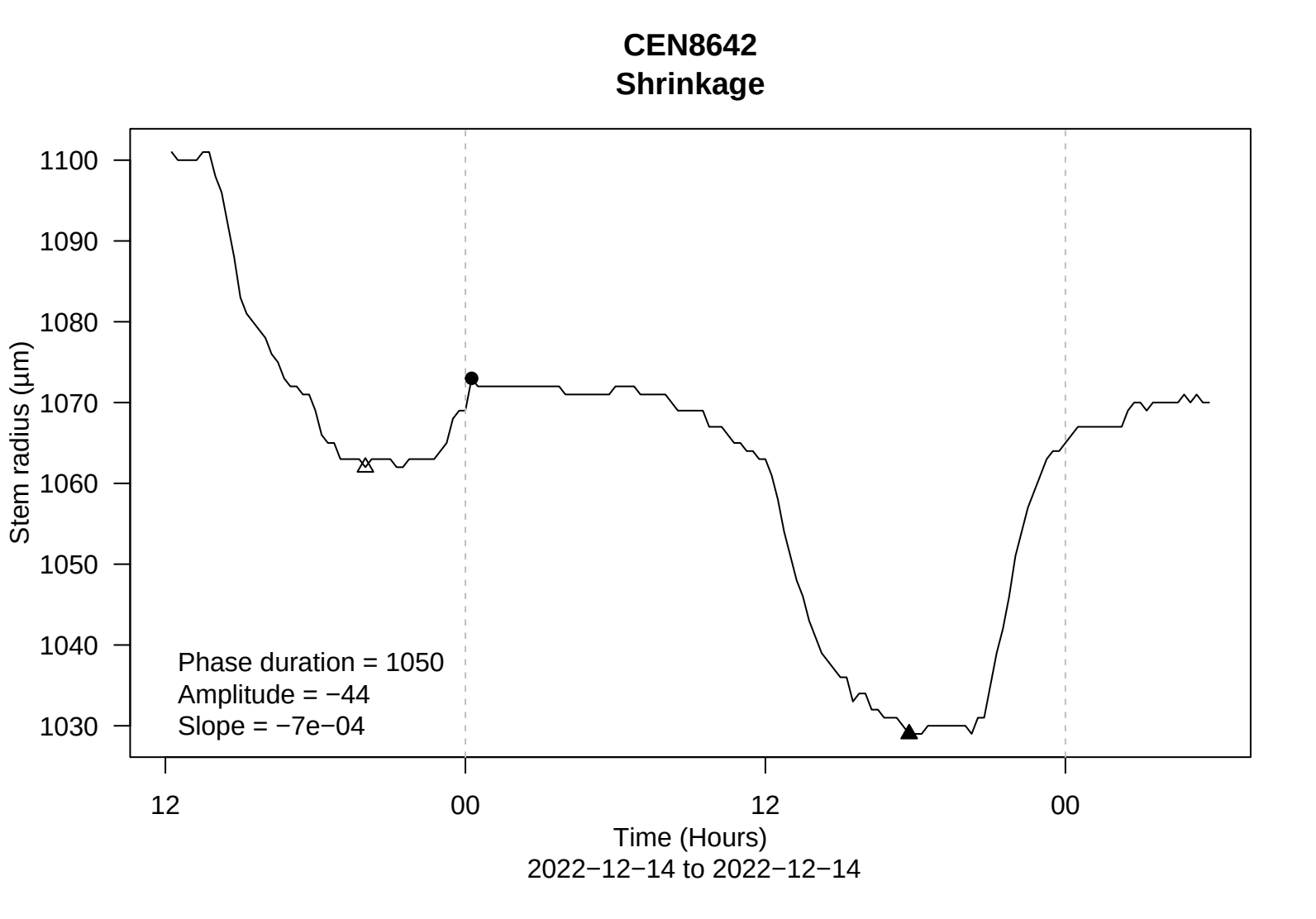

CEN8642
Expansion
1101.0
1100.5
1100.0
1099.5
1099.0
Stem radius (µm)
Phase duration = 600
Amplitude = 2
Slope = 0
12
00
12
Time (Hours)
2022−12−08 to 2022−12−09

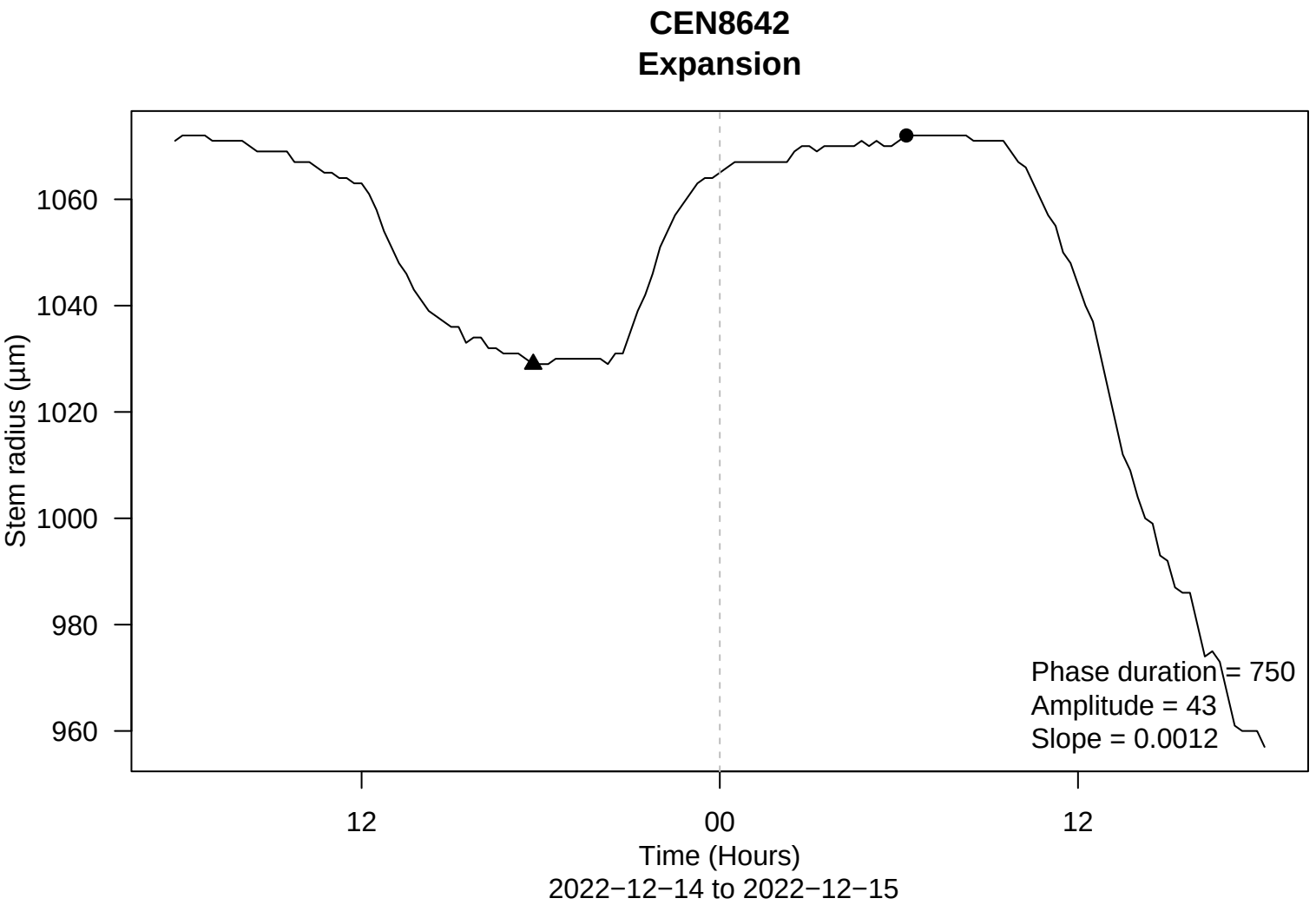

CEN8642
Shrinkage
1101.0
1100.5
1100.0
1099.5
1099.0
1098.5
1098.0
Stem radius (µm)
Phase duration = 1095
Amplitude = −3
Slope = 0
00
12
00
Time (Hours)
2022−12−09 to 2022−12−09

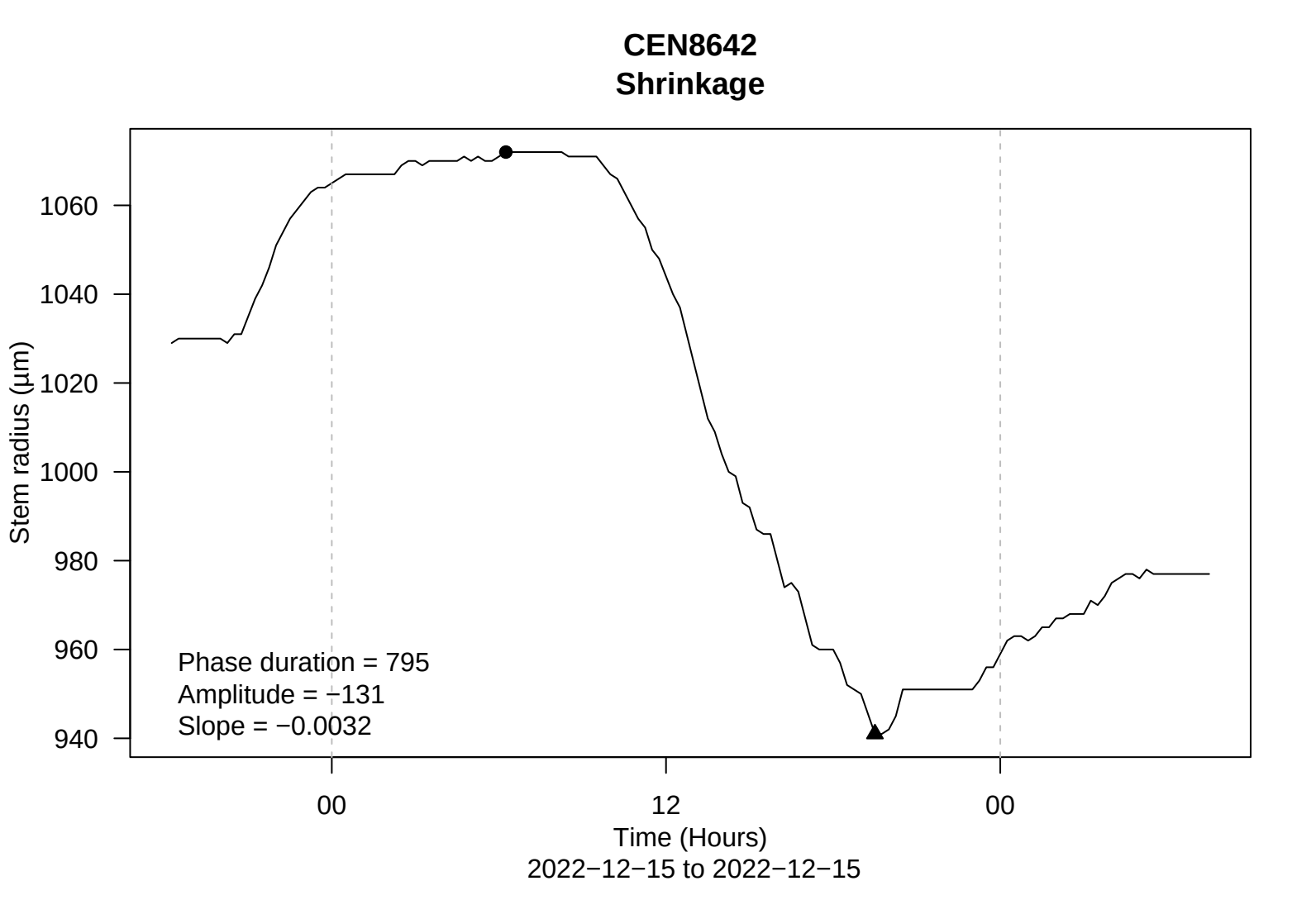

CEN8642
Expansion
1103
1102
1101
1100
1099
1098
Stem radius (µm)
12
00
12
00
Time (Hours)
2022−12−09 to 2022−12−10
Phase duration = 990
Amplitude = 5
Slope = 0

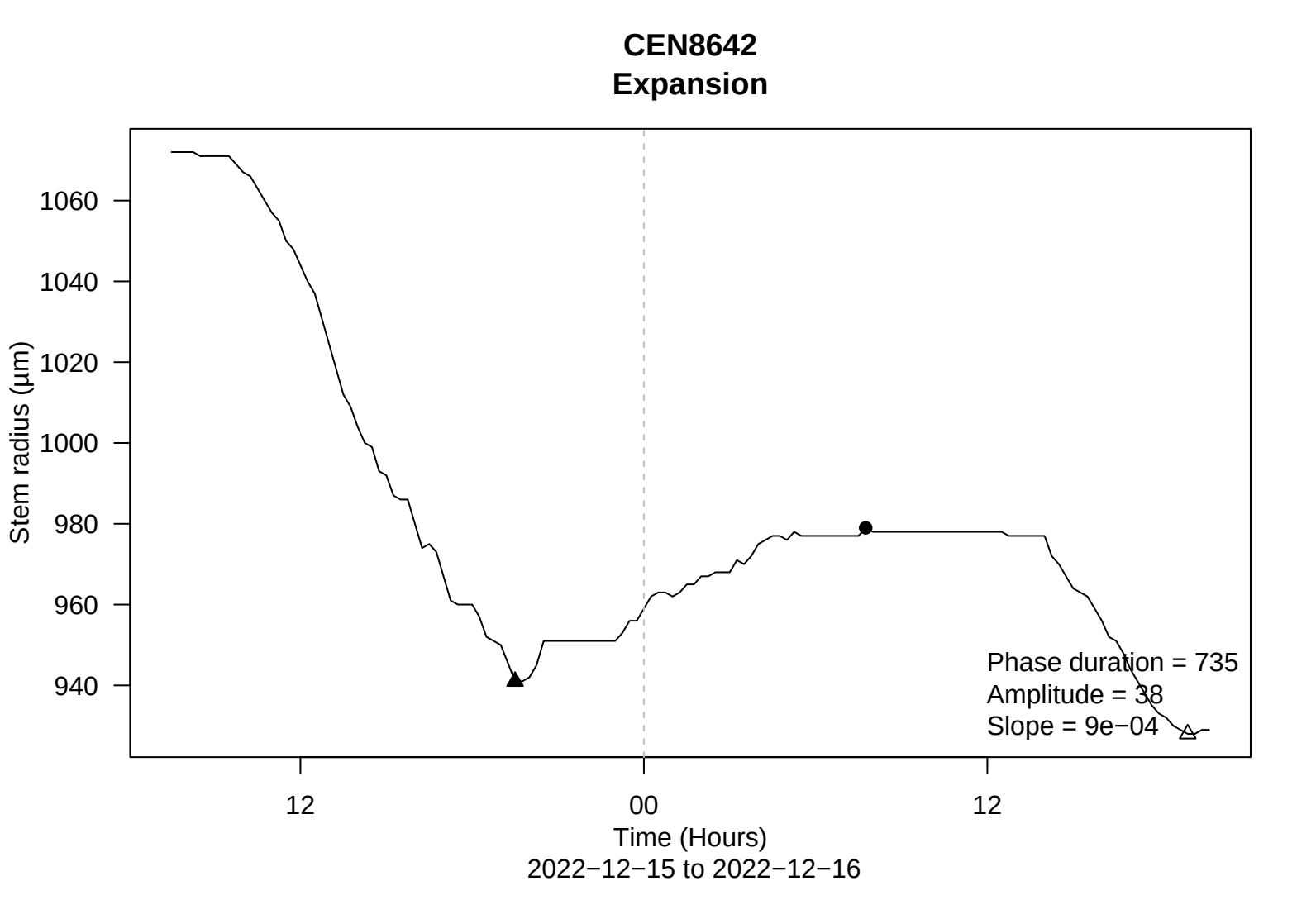

CEN8642
Shrinkage
1100
1090
1080
1070
Stem radius (µm)
Phase duration = 810
Amplitude = −39
Slope = −9e−04
00
12
00
Time (Hours)
2022−12−13 to 2022−12−13

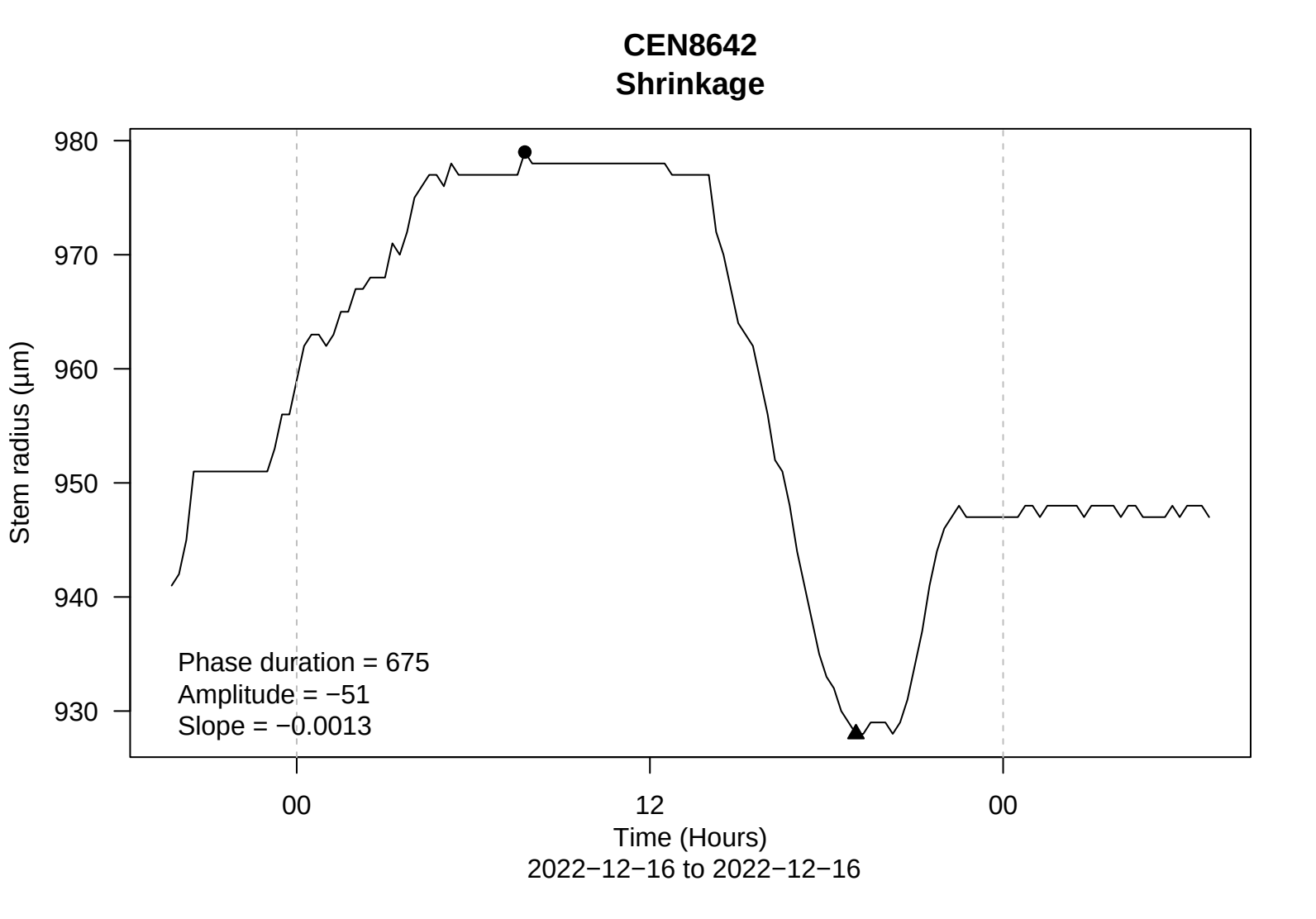

CEN8642
Expansion
1100
1090
1080
1070
1060
Stem radius (µm)
12
18
00
06
12
Time (Hours)
2022−12−13 to 2022−12−14
Phase duration = 255
Amplitude = 11
Slope = 5e−04

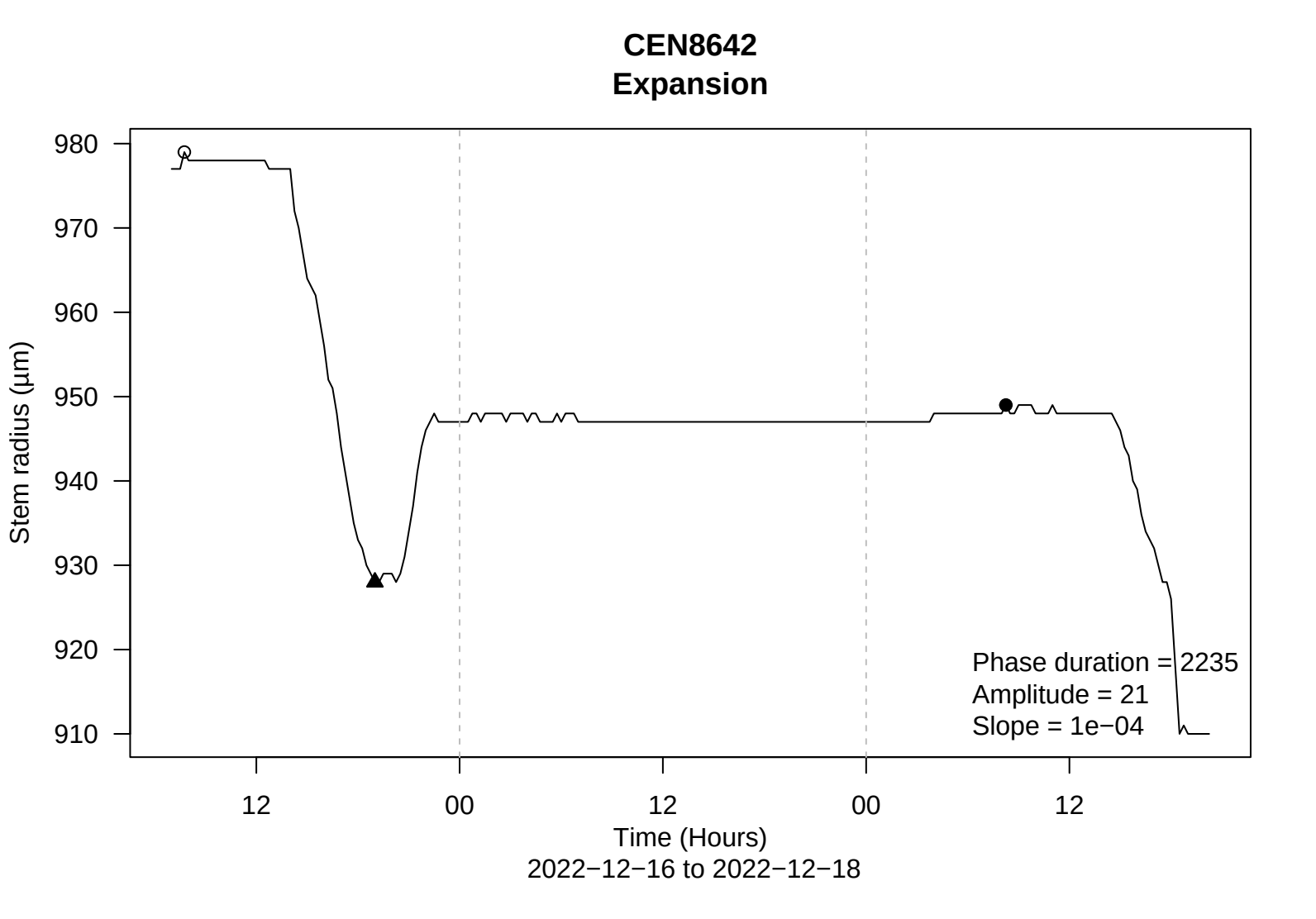

CEN8642
Shrinkage
Stem radius (µm)
1100
1090
1080
1070
1060
1050
1040
1030
Phase duration = 1050
Amplitude = −44
Slope = −7e−04
12
00
12
00
Time (Hours)
2022−12−14 to 2022−12−14

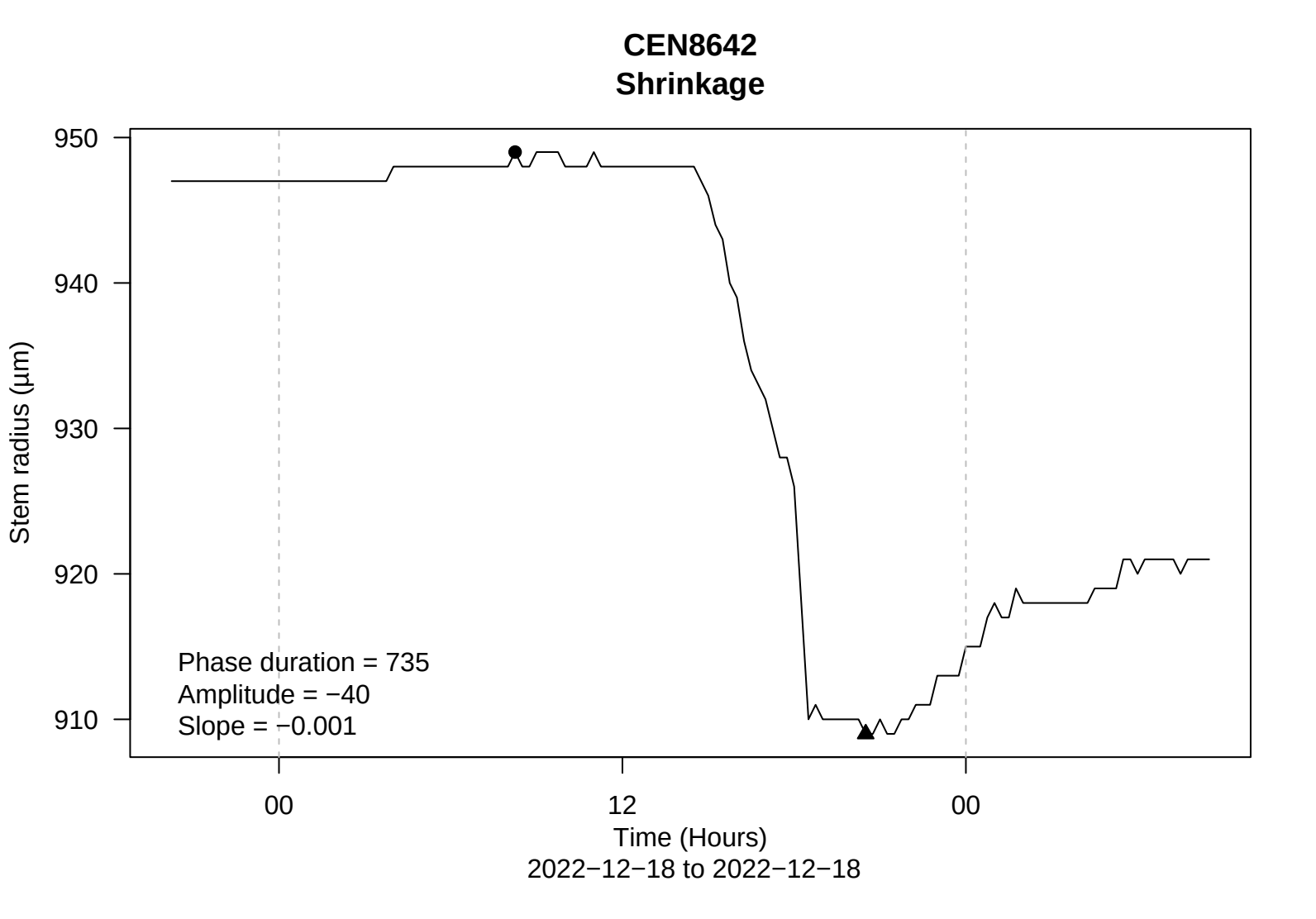

CEN8642
Expansion
1060
1040
1020
1000
980
960
Stem radius (µm)
12
00
12
Time (Hours)
2022−12−14 to 2022−12−15
Phase duration = 750
Amplitude = 43
Slope = 0.0012

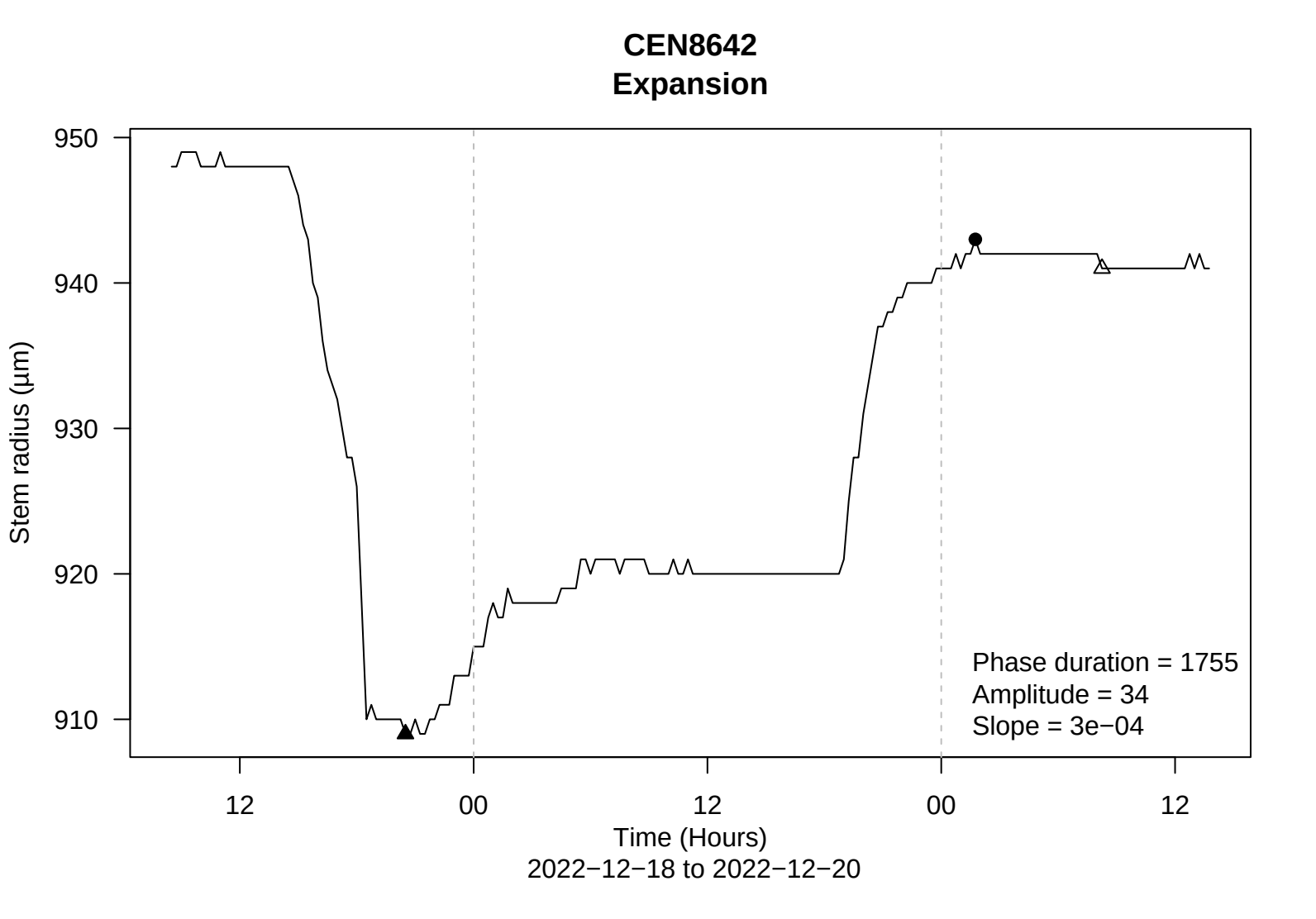

CEN8642
Shrinkage
Stem radius (µm)
1060
1040
1020
1000
980
960
940
Phase duration = 795
Amplitude = −131
Slope = −0.0032
00
12
00
Time (Hours)
2022−12−15 to 2022−12−15

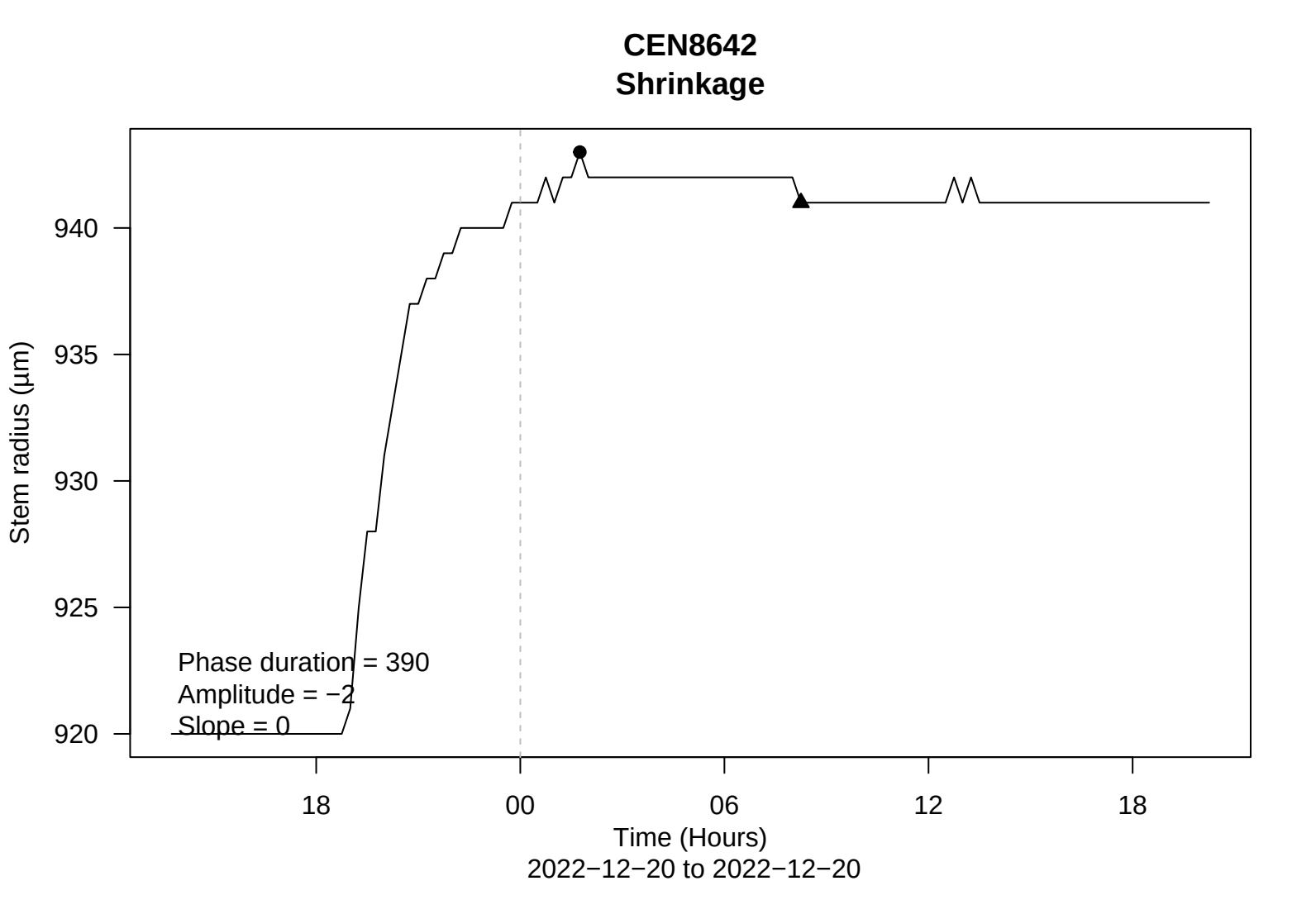

CEN8642
Expansion
Stem radius (µm)
1060
1040
1020
1000
980
960
940
12
00
12
Time (Hours)
2022−12−15 to 2022−12−16
Phase duration = 735
Amplitude = 38
Slope = 9e−04

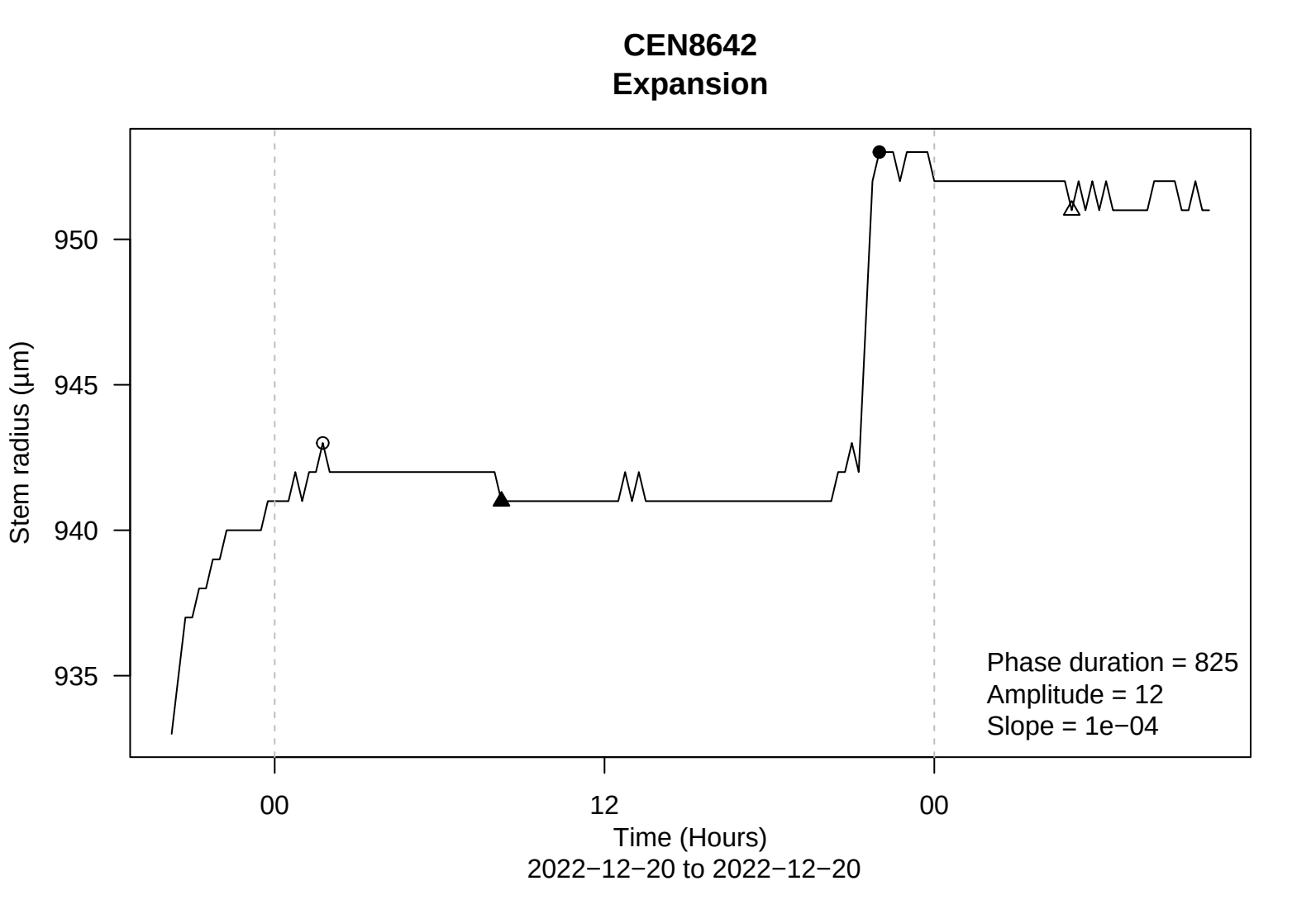

CEN8642
Shrinkage
980
970
960
950
940
930
Stem radius (µm)
Phase duration = 675
Amplitude = −51
Slope = −0.0013
00
12
00
Time (Hours)
2022−12−16 to 2022−12−16

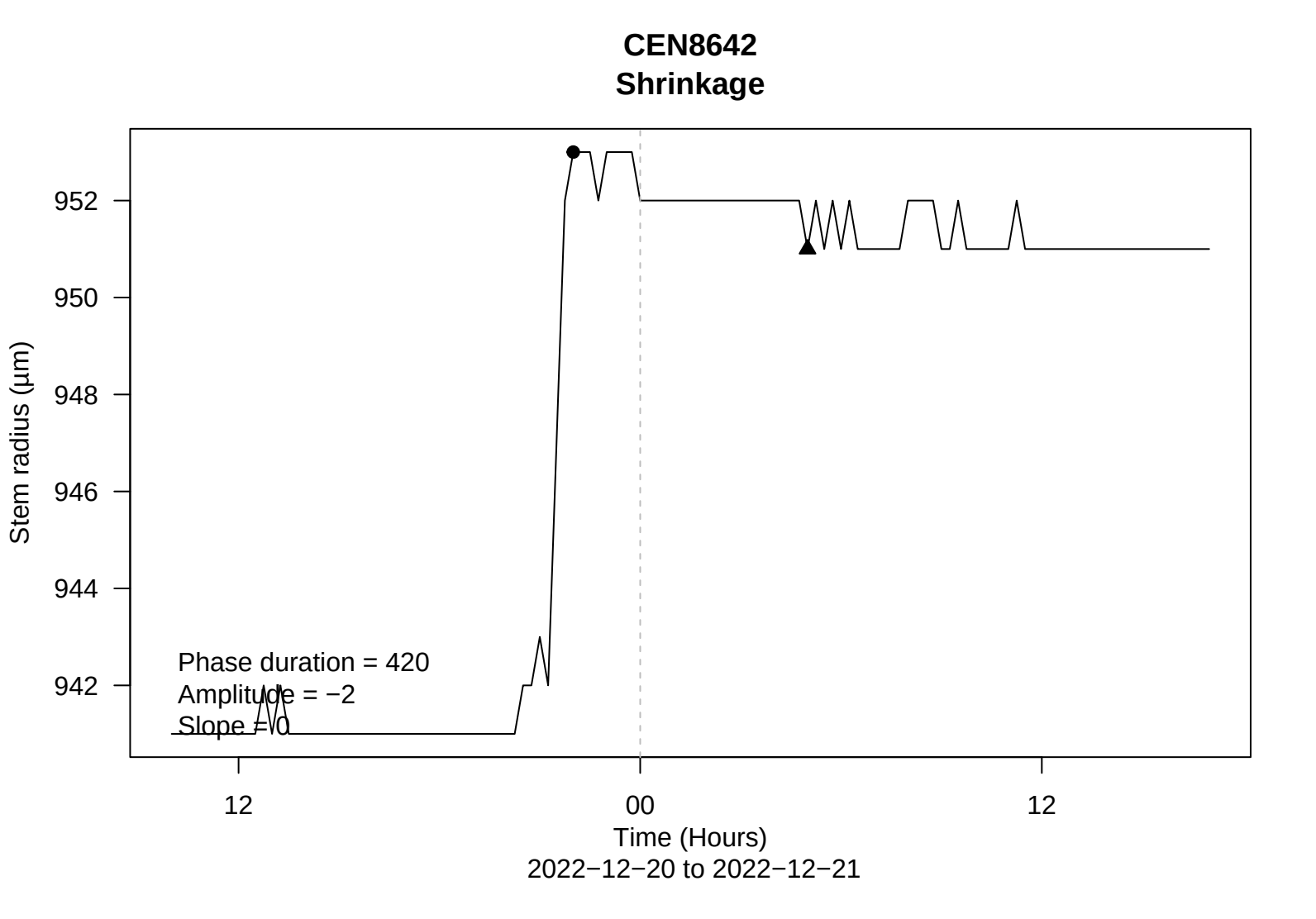

CEN8642
Expansion
980
970
960
950
940
930
920
910
Stem radius (µm)
12
00
12
00
12
Time (Hours)
2022−12−16 to 2022−12−18
Phase duration = 2235
Amplitude = 21
Slope = 1e−04

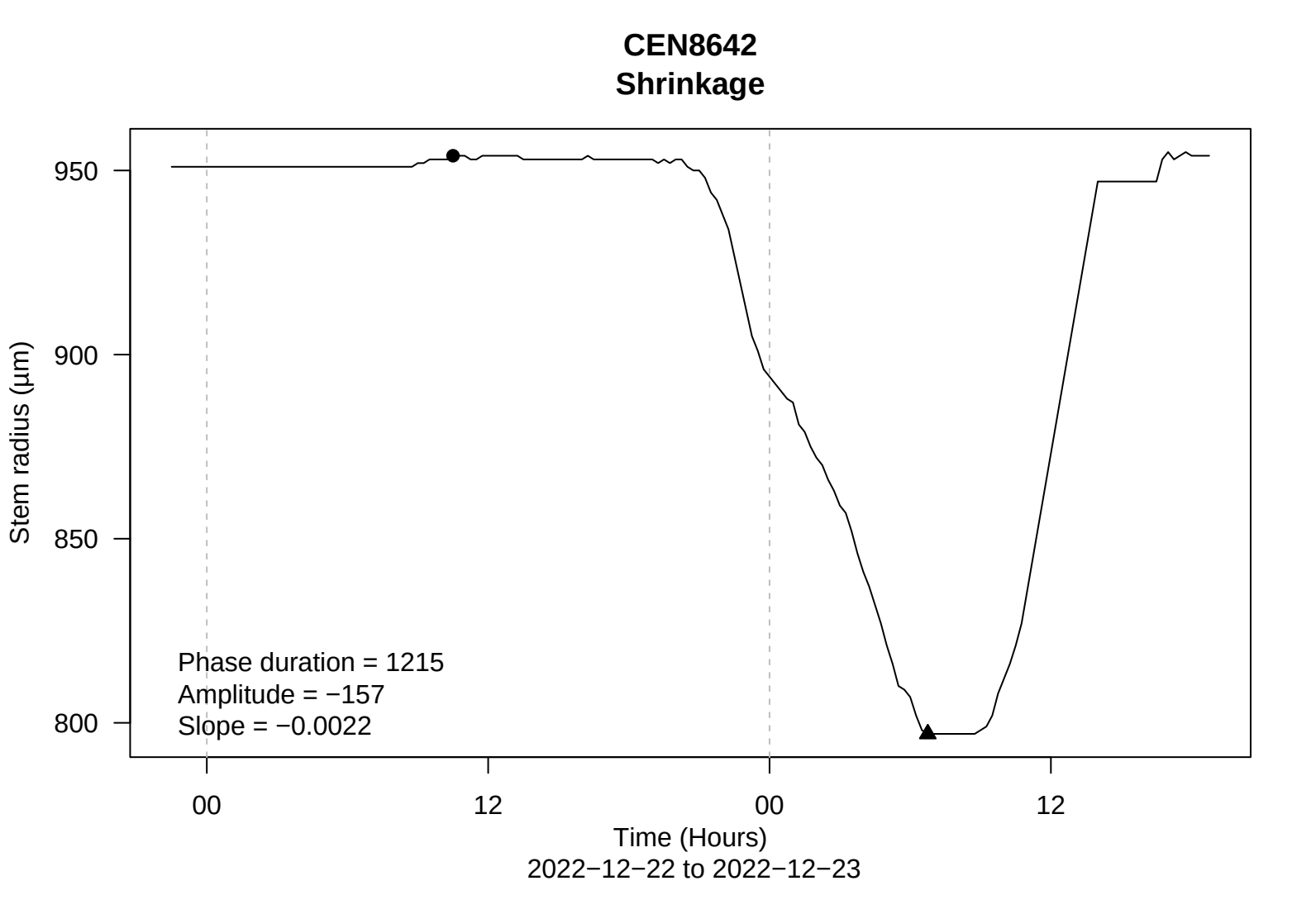

CEN8642
Shrinkage
950
940
930
920
910
Stem radius (µm)
Phase duration = 735
Amplitude = −40
Slope = −0.001
00
12
00
Time (Hours)
2022−12−18 to 2022−12−18

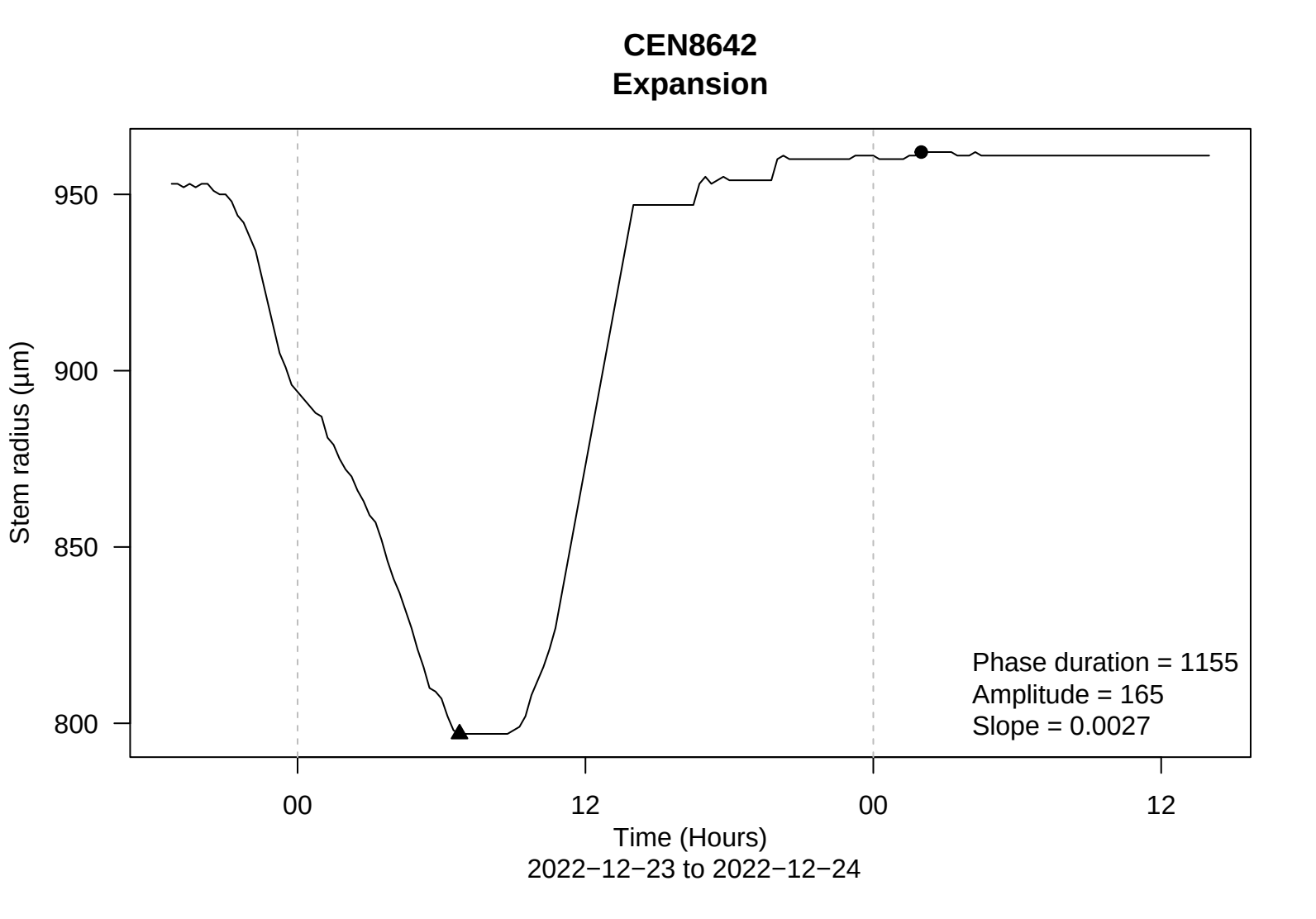

CEN8642
Expansion
950
940
930
920
910
Stem radius (µm)
12
00
12
00
12
Time (Hours)
2022−12−18 to 2022−12−20
Phase duration = 1755
Amplitude = 34
Slope = 3e−04

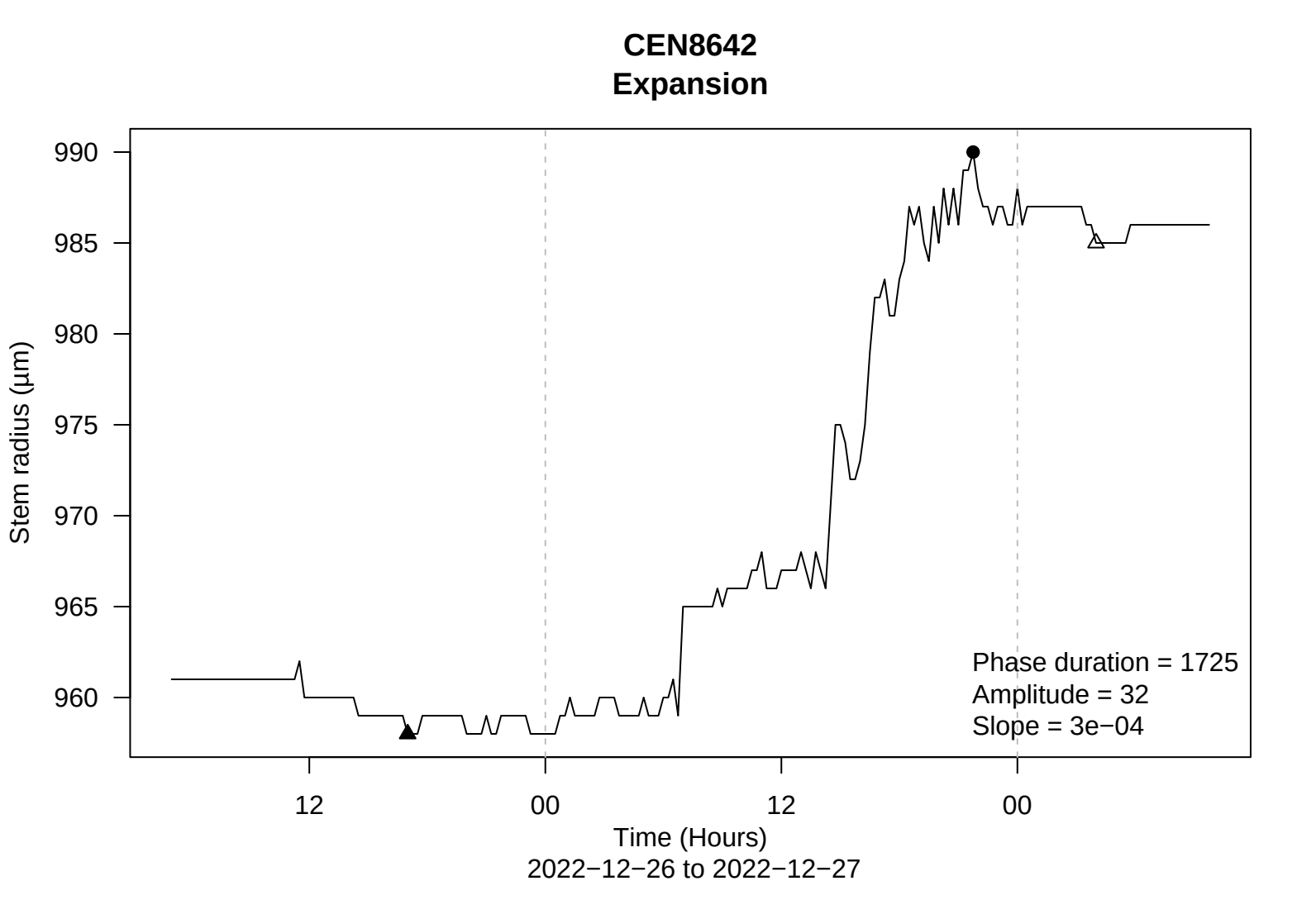

CEN8642
Shrinkage
940
935
930
925
920
Stem radius (µm)
Phase duration = 390
Amplitude = −2
Slope = 0
18
00
06
12
18
Time (Hours)
2022−12−20 to 2022−12−20

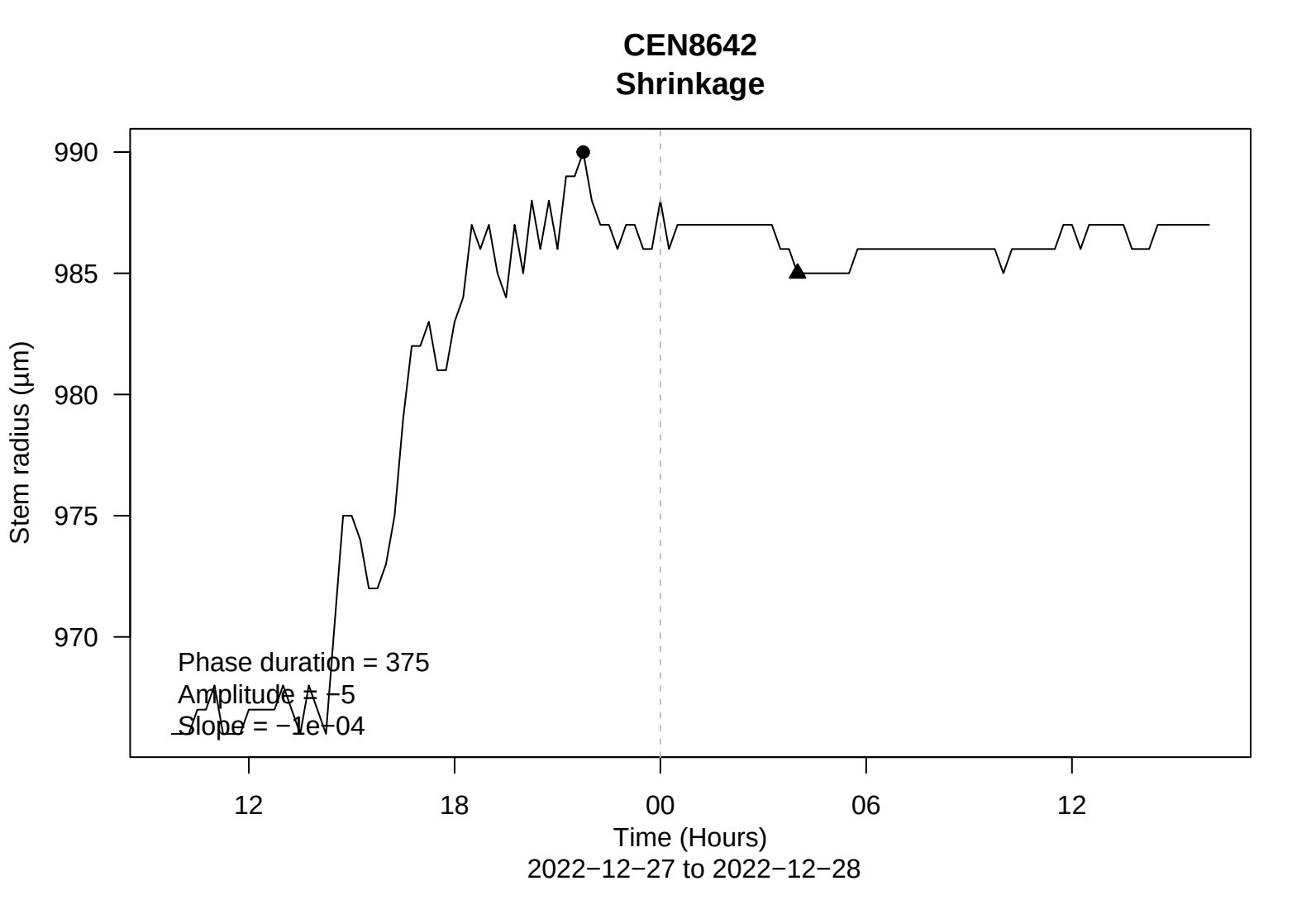

CEN8642
Expansion
950
945
940
935
Stem radius (µm)
00
12
00
Time (Hours)
2022−12−20 to 2022−12−20
Phase duration = 825
Amplitude = 12
Slope = 1e−04

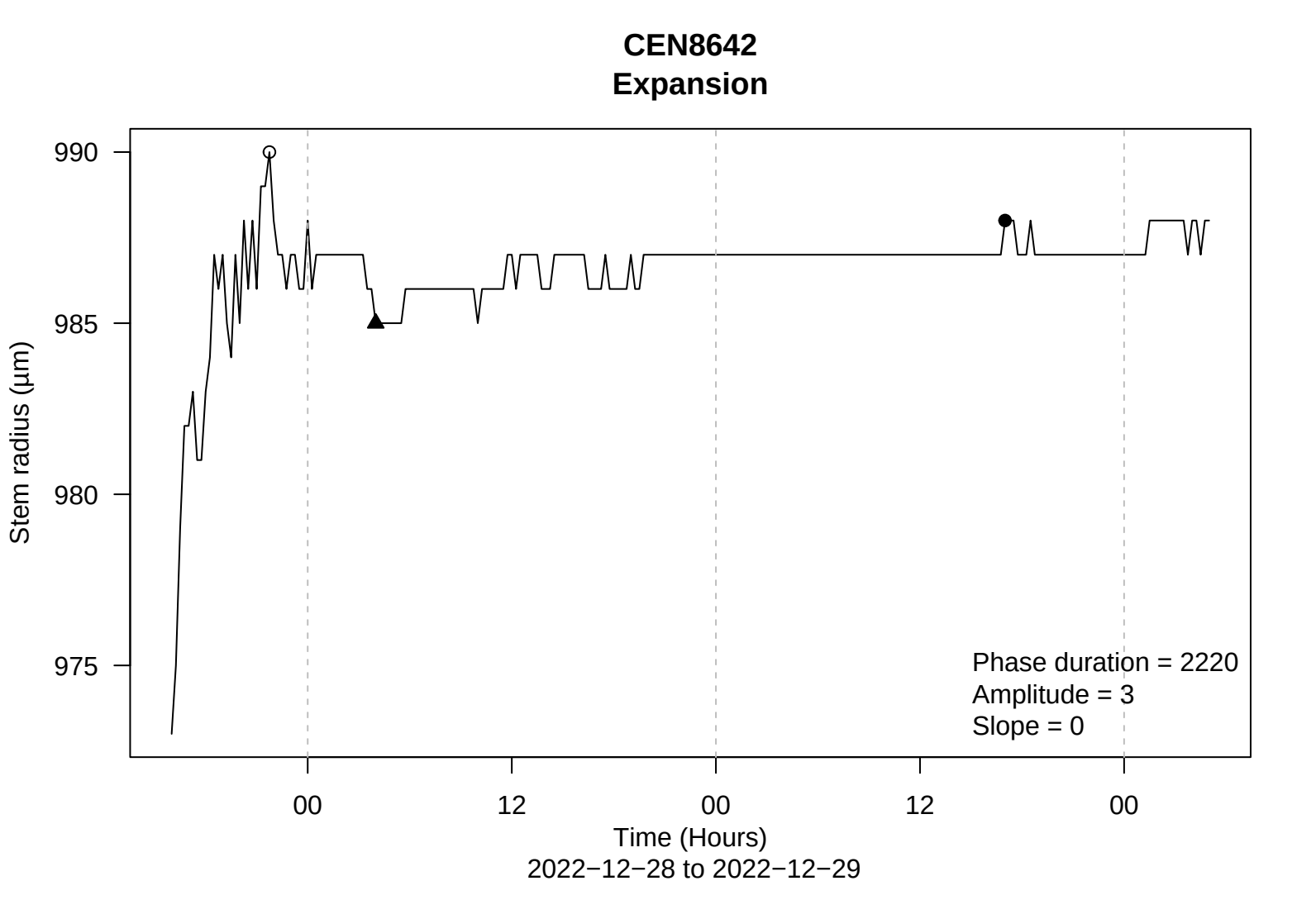

CEN8642
Shrinkage
952
950
948
946
944
942
Stem radius (µm)
Phase duration = 420
Amplitude = −2
Slope = 0
12
00
12
Time (Hours)
2022−12−20 to 2022−12−21

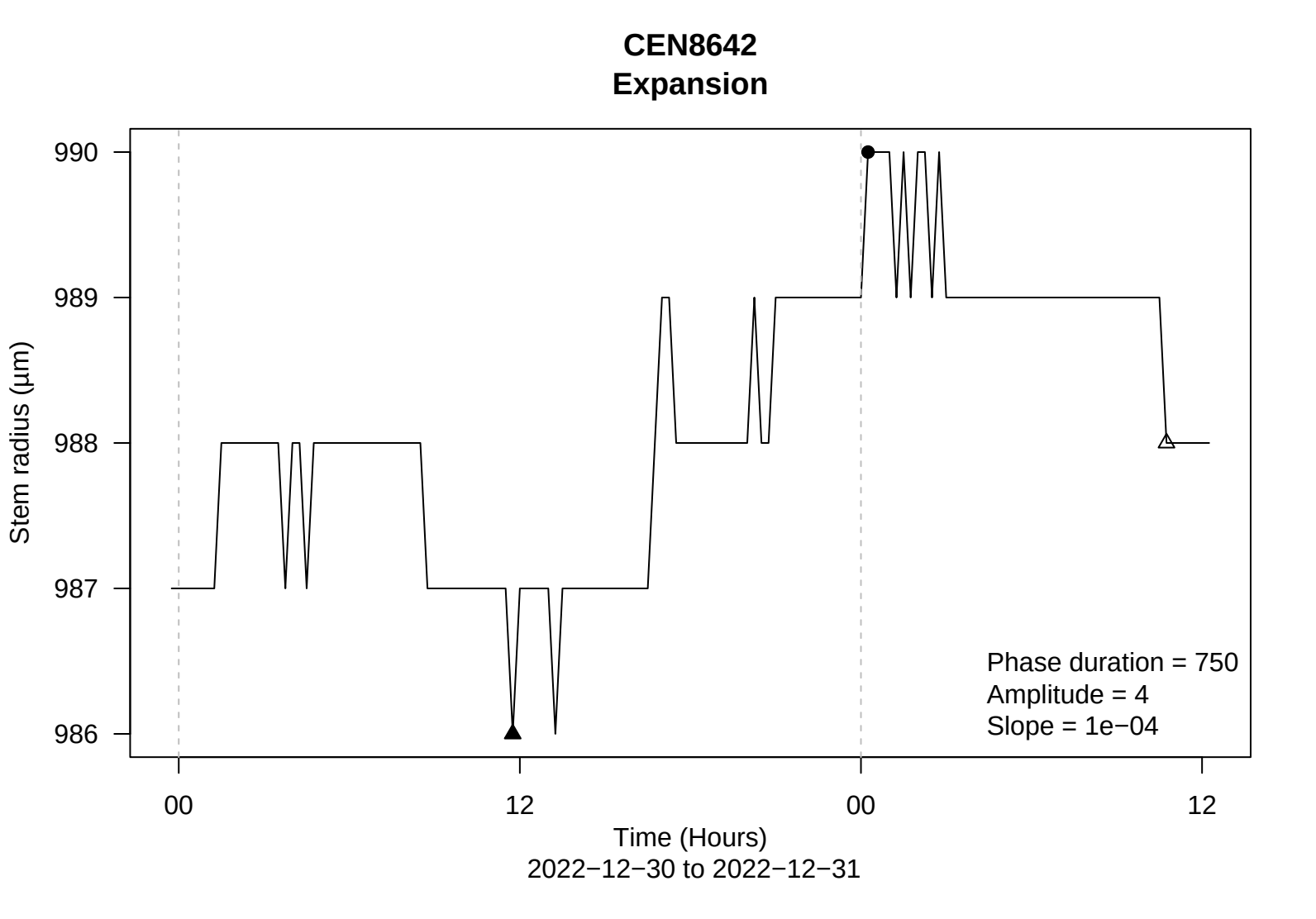

CEN8642
Shrinkage
950
900
850
800
Stem radius (µm)
Phase duration = 1215
Amplitude = −157
Slope = −0.0022
00
12
00
12
Time (Hours)
2022−12−22 to 2022−12−23

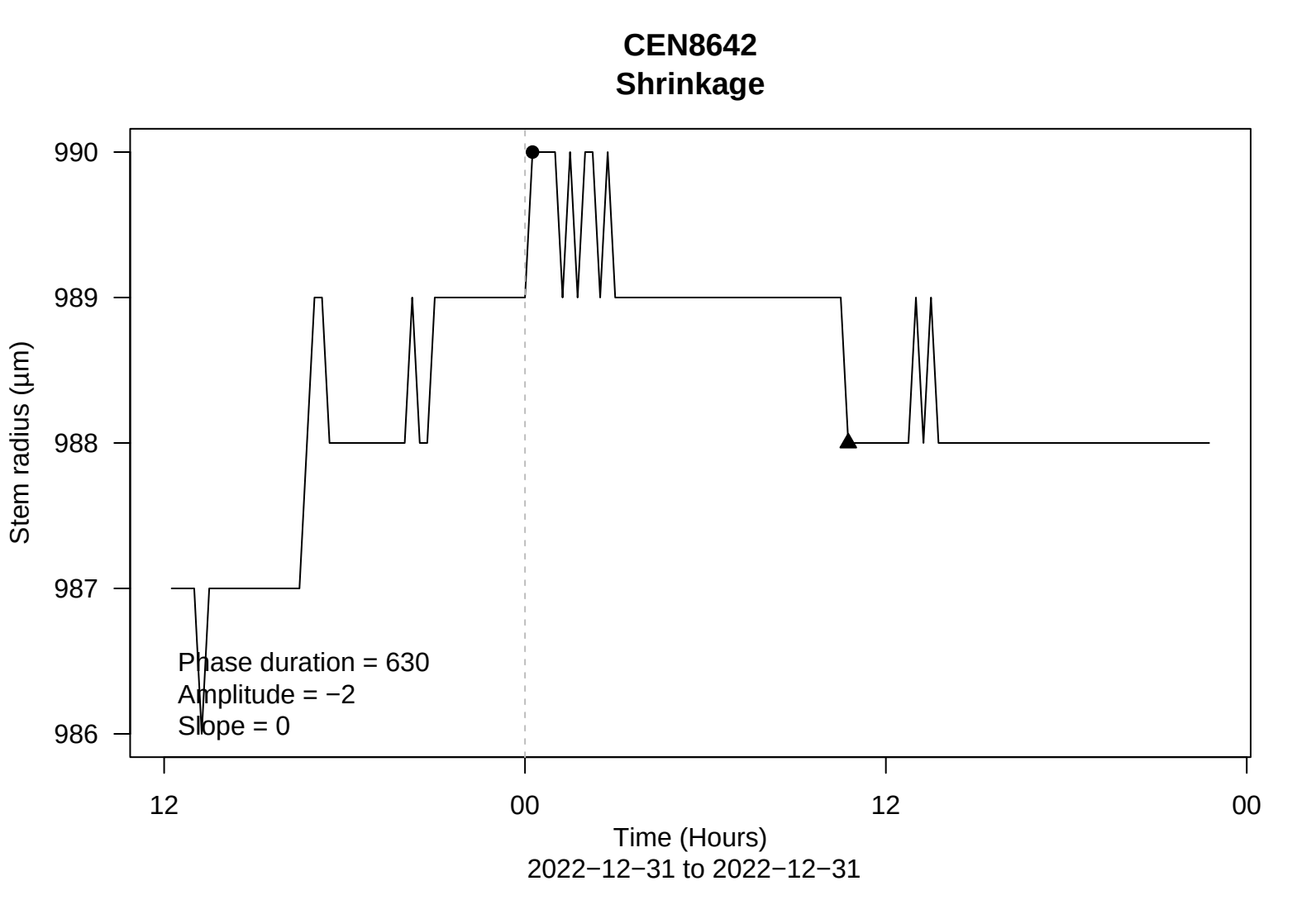

CEN8642
Expansion
950
900
850
800
Stem radius (µm)
00
12
00
12
Time (Hours)
2022−12−23 to 2022−12−24
Phase duration = 1155
Amplitude = 165
Slope = 0.0027

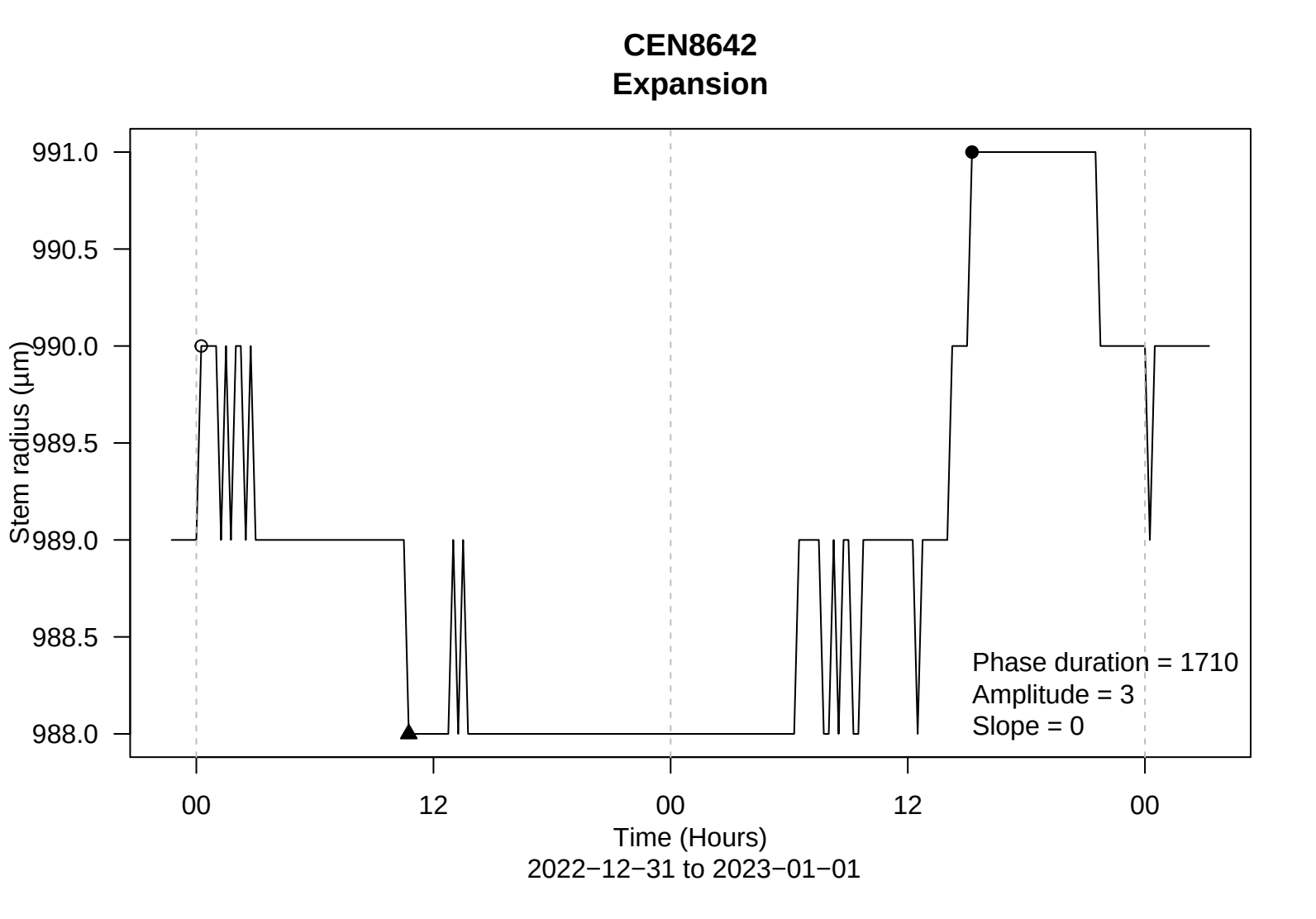

CEN8642
Expansion
990
985
980
975
970
965
960
Stem radius (µm)
12
00
12
00
Time (Hours)
2022−12−26 to 2022−12−27
Phase duration = 1725
Amplitude = 32
Slope = 3e−04

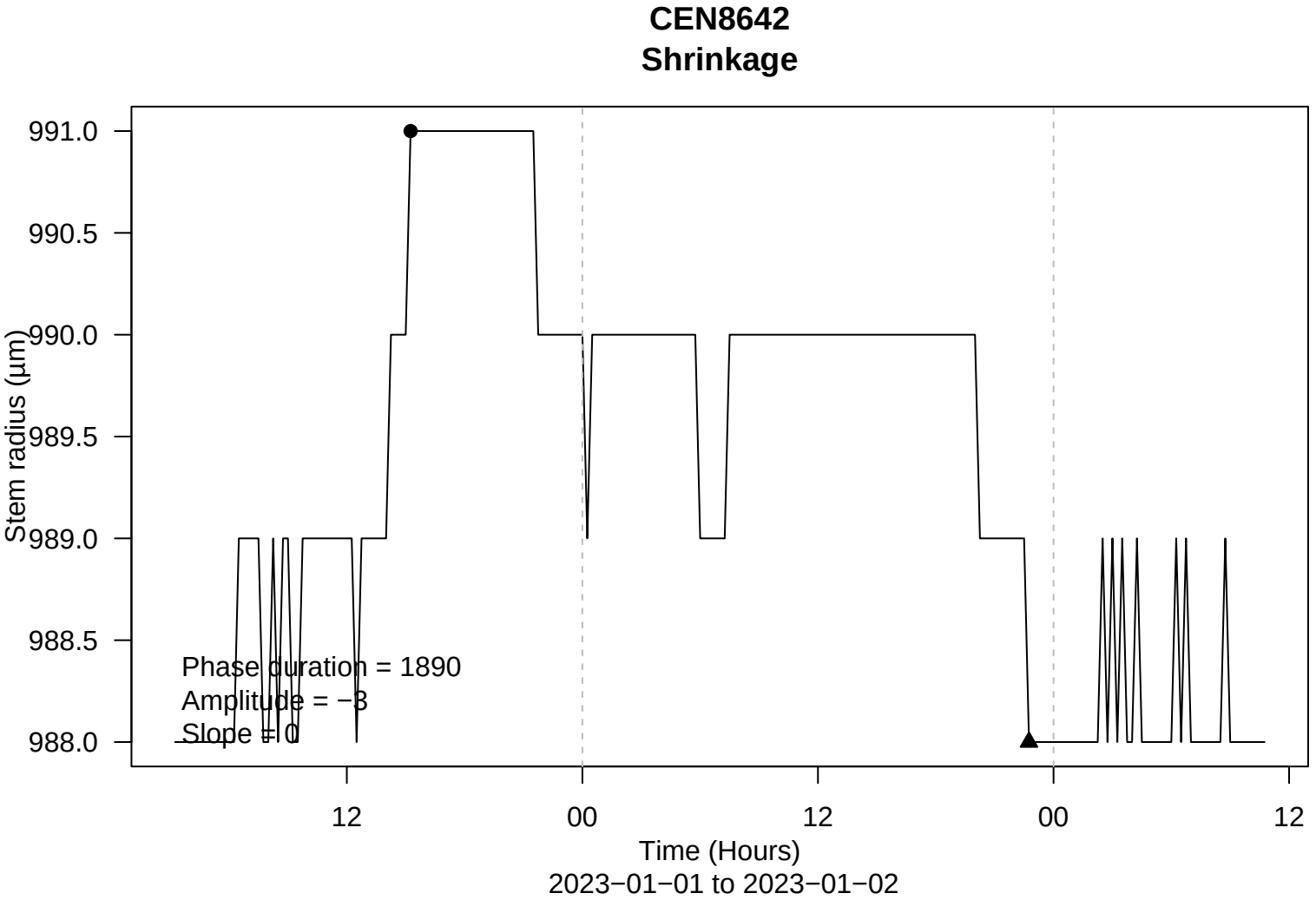

CEN8642
Shrinkage
990
985
980
975
970
Stem radius (µm)
Phase duration = 375
Amplitude = −5
Slope = −1e−04
12
18
00
06
12
Time (Hours)
2022−12−27 to 2022−12−28

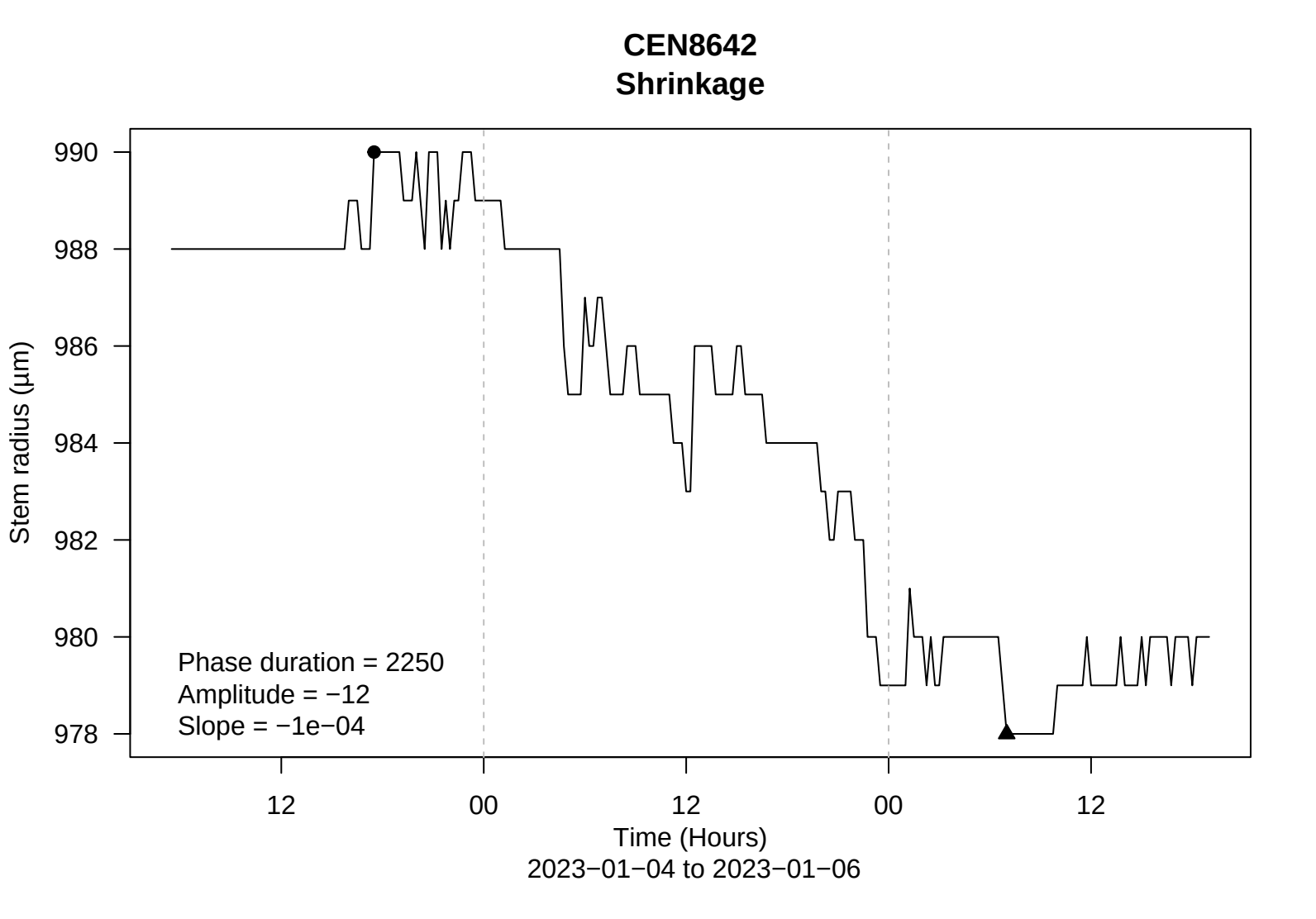

CEN8642
Expansion
990
985
980
975
Stem radius (µm)
Phase duration = 2220
Amplitude = 3
Slope = 0
00
12
00
12
00
Time (Hours)
2022−12−28 to 2022−12−29

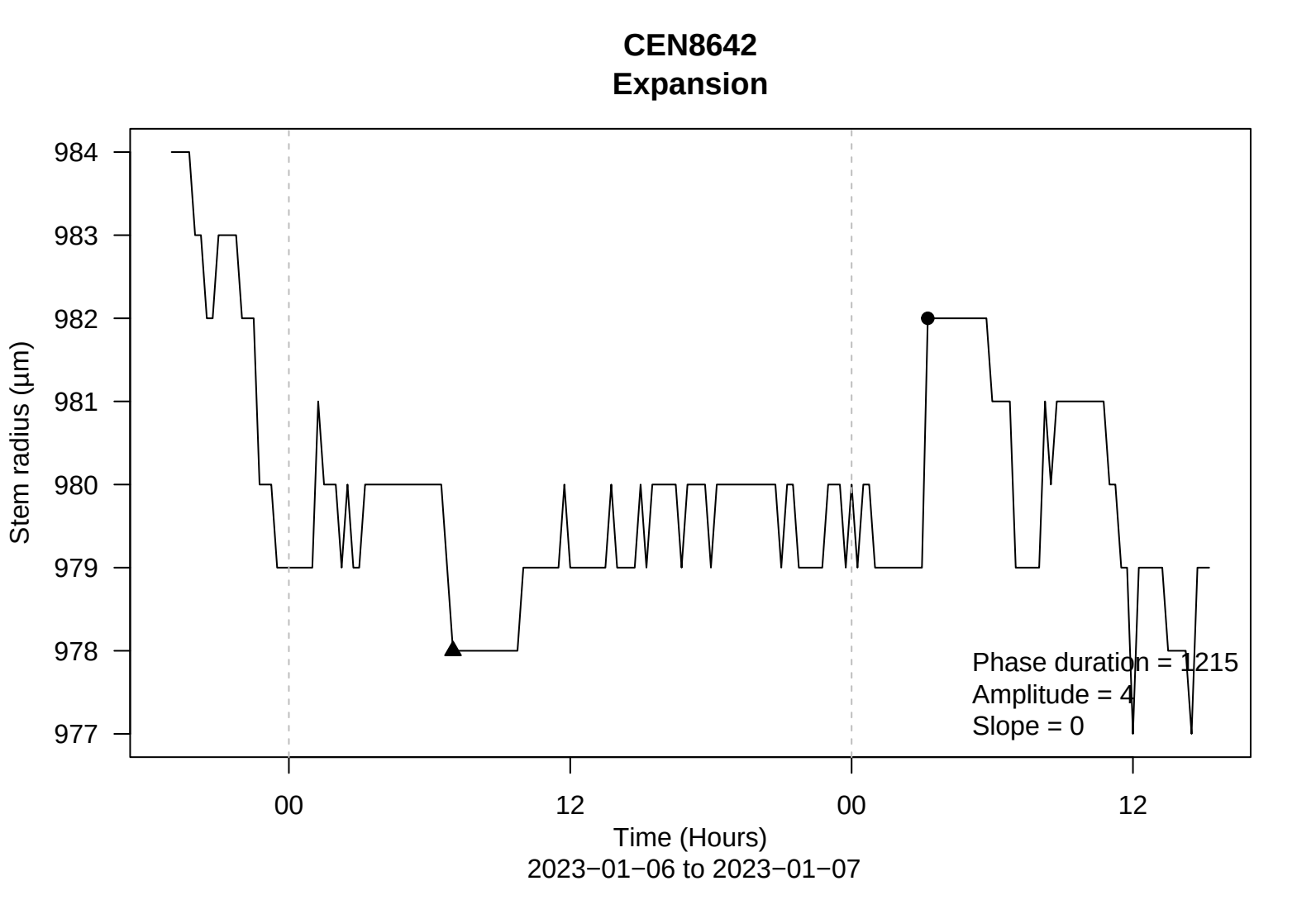

CEN8642
Expansion
990
989
988
987
986
Stem radius (µm)
00
12
00
12
Time (Hours)
2022−12−30 to 2022−12−31
Phase duration = 750
Amplitude = 4
Slope = 1e−04

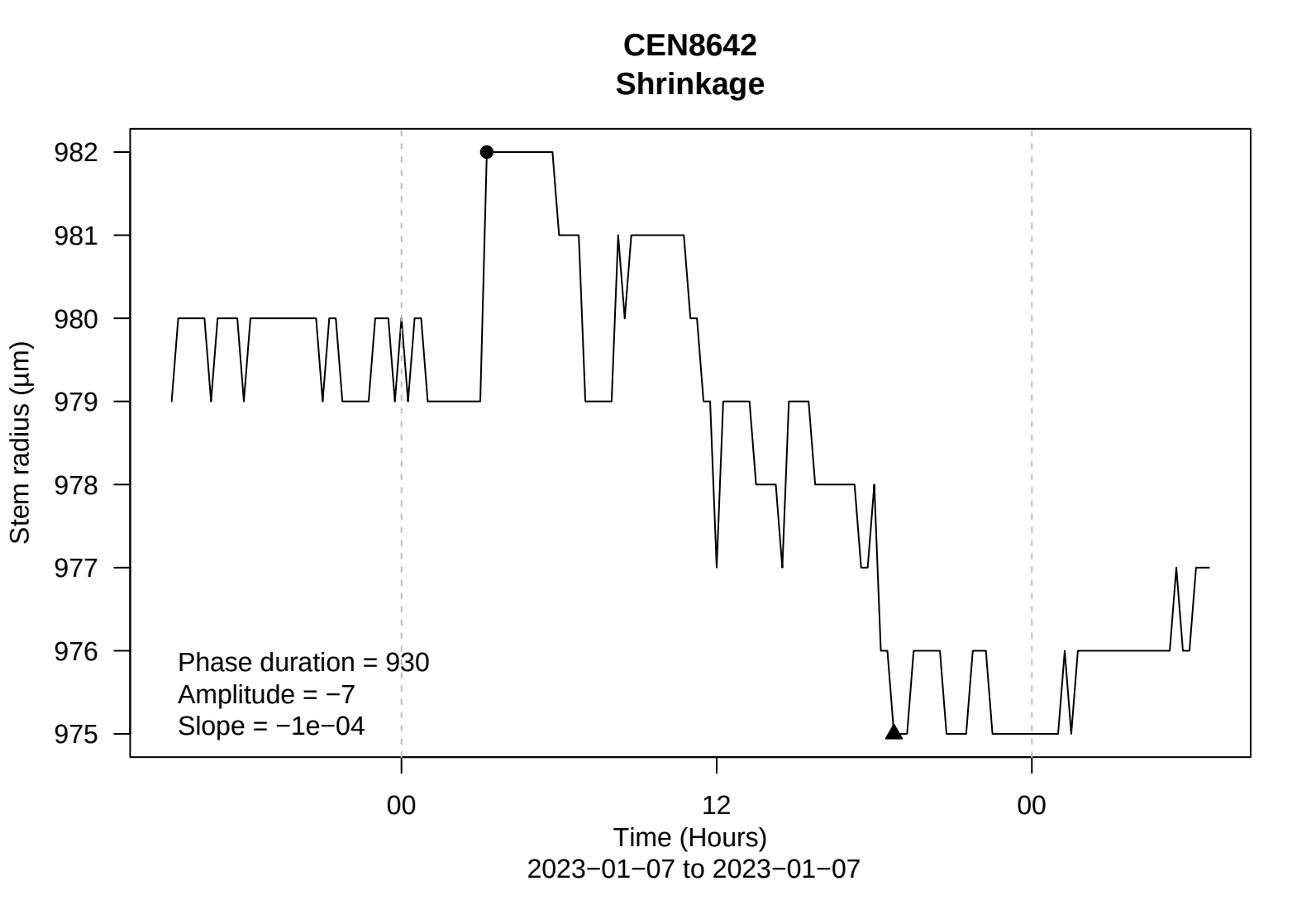

CEN8642
Shrinkage
990
989
988
987
986
Stem radius (µm)
Phase duration = 630
Amplitude = −2
Slope = 0
12
00
12
00
Time (Hours)
2022−12−31 to 2022−12−31

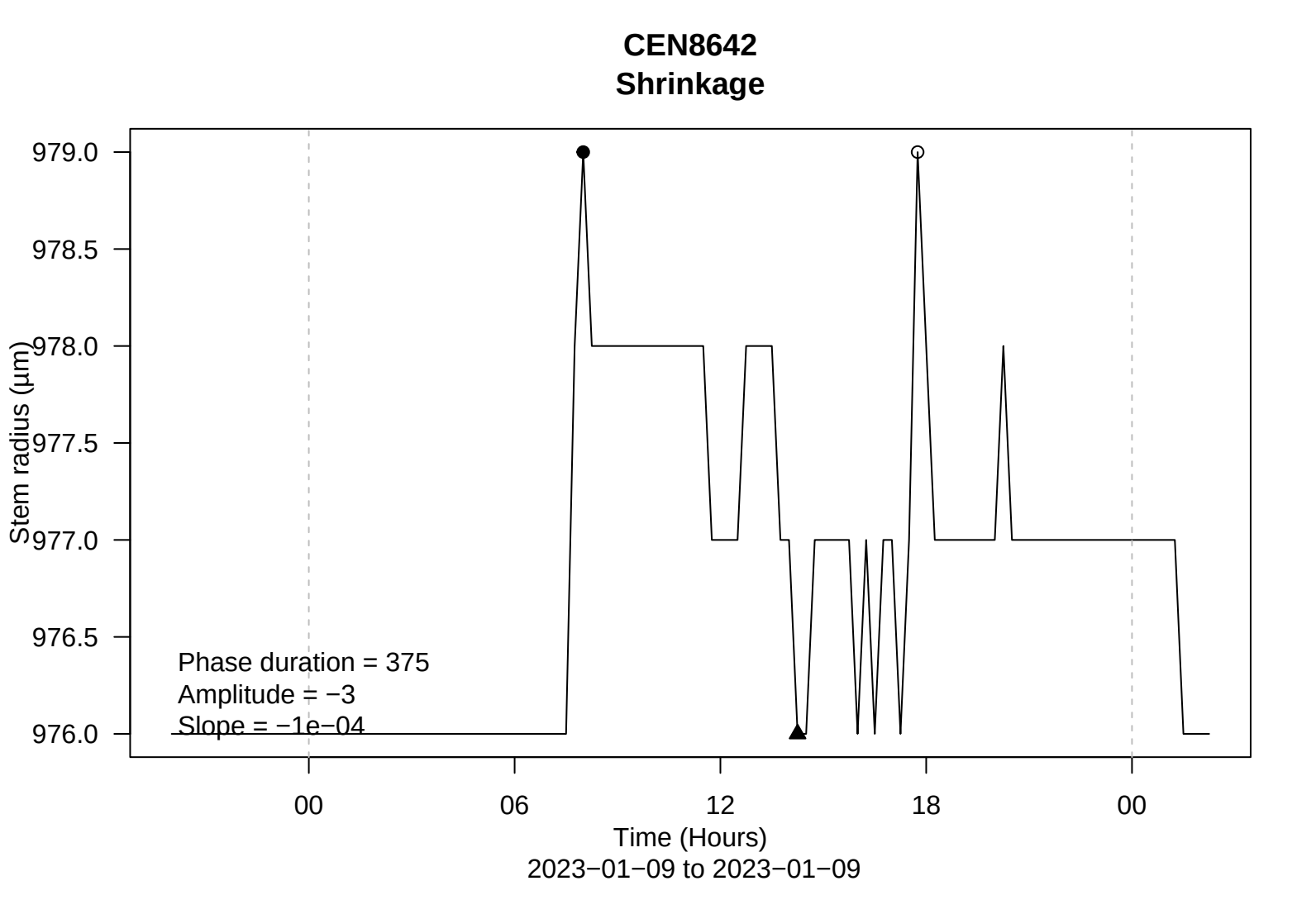

CEN8642
Expansion
991.0
990.5
990.0
989.5
989.0
988.5
988.0
Stem radius (µm)
Phase duration = 1710
Amplitude = 3
Slope = 0
00
12
00
12
00
Time (Hours)
2022−12−31 to 2023−01−01

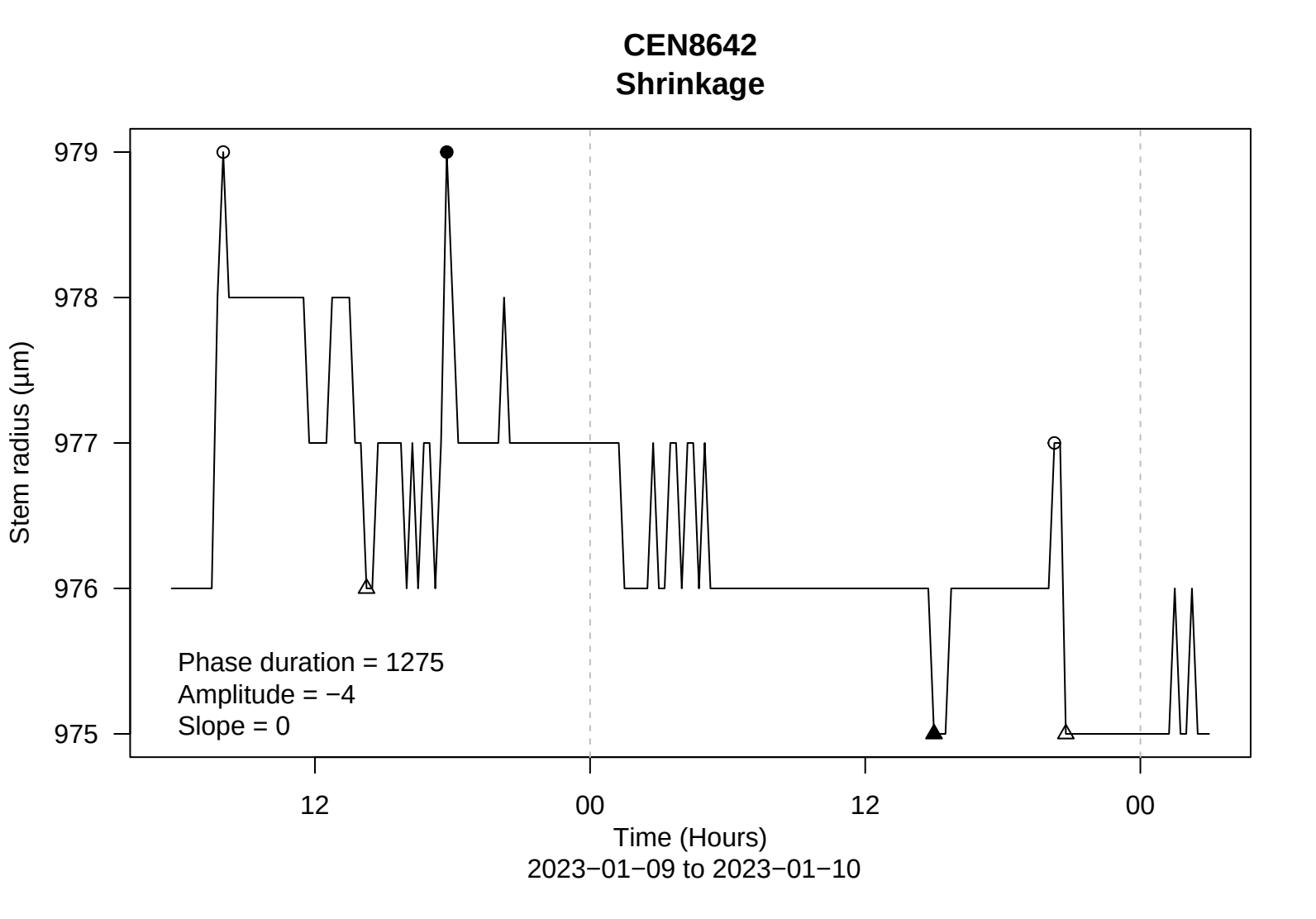

CEN8642
Shrinkage
991.0
990.5
990.0
989.5
989.0
988.5
988.0
Stem radius (µm)
Phase duration = 1890
Amplitude = −3
Slope = 0
12
00
12
00
12
Time (Hours)
2023−01−01 to 2023−01−02

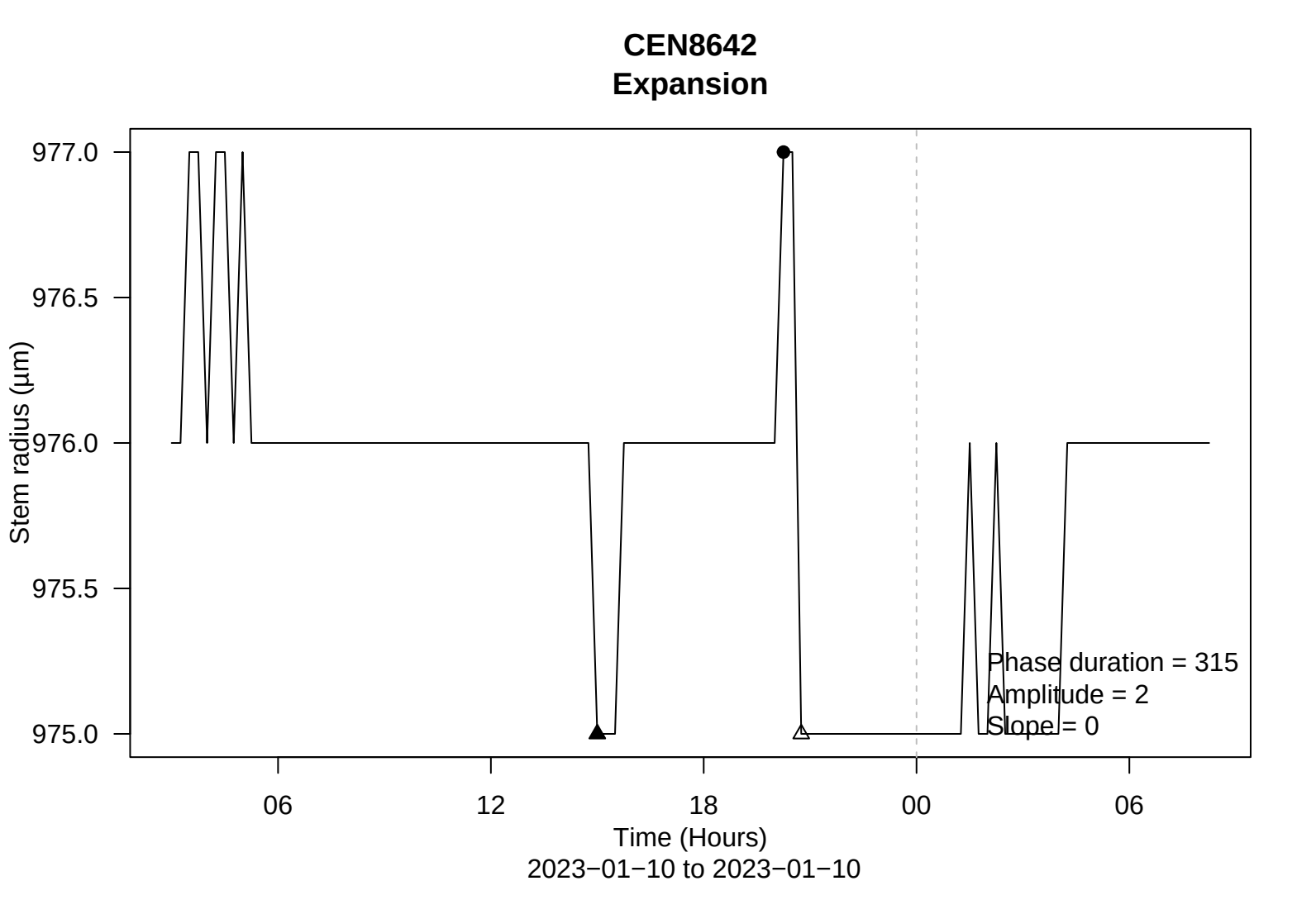

CEN8642
Shrinkage
990
988
986
984
982
980
978
Stem radius (µm)
Phase duration = 2250
Amplitude = −12
Slope = −1e−04
12
00
12
00
12
Time (Hours)
2023−01−04 to 2023−01−06

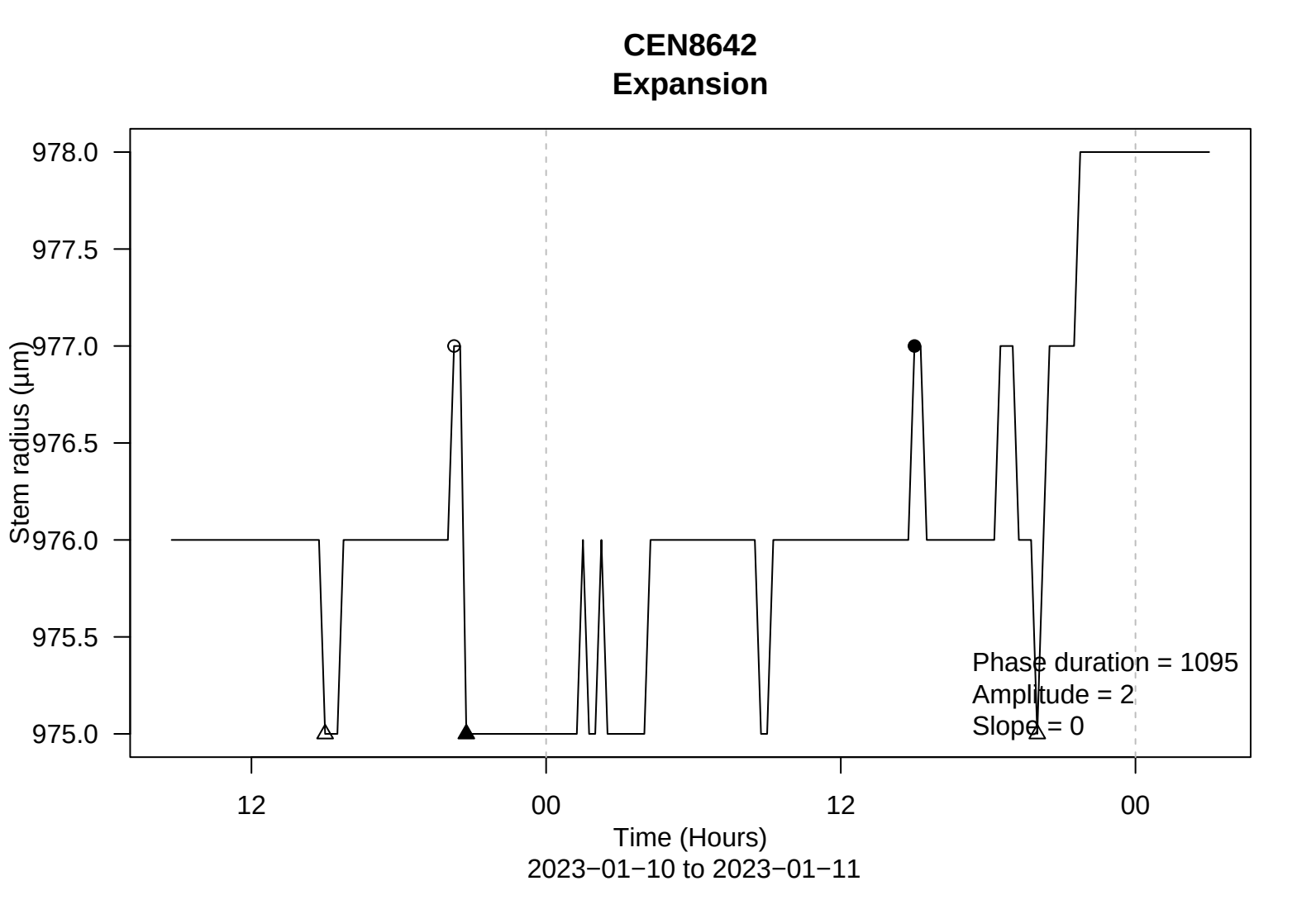

CEN8642
Expansion
984
983
982
981
980
979
978
977
Stem radius (µm)
00
12
00
12
Time (Hours)
2023−01−06 to 2023−01−07
Phase duration = 1215
Amplitude = 4
Slope = 0

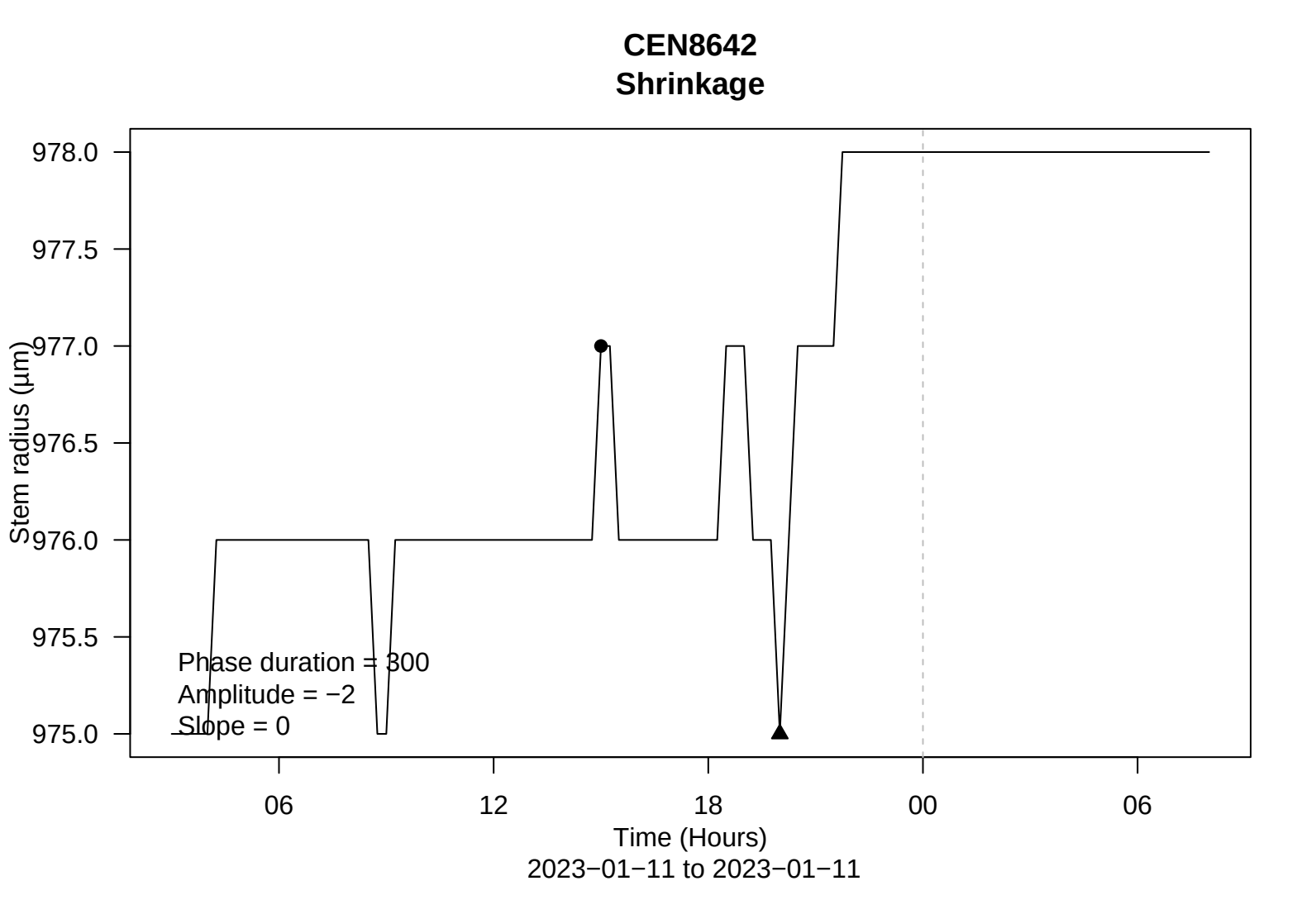

CEN8642
Shrinkage
Stem radius (µm)
982
981
980
979
978
977
976
975
Phase duration = 930
Amplitude = −7
Slope = −1e−04
00
12
00
Time (Hours)
2023−01−07 to 2023−01−07

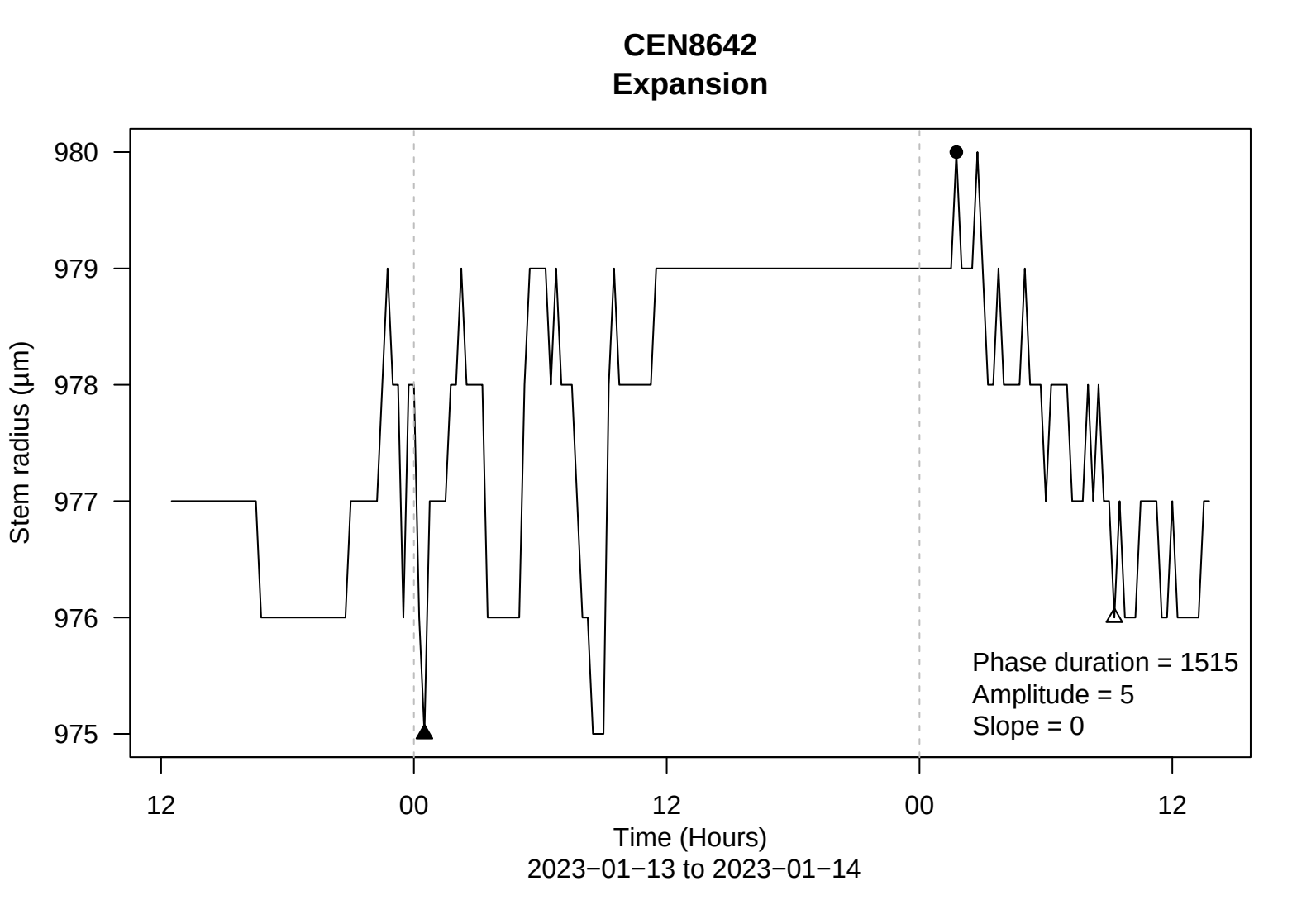

CEN8642
Shrinkage
979.0
978.5
978.0
977.5
977.0
976.5
976.0
Stem radius (µm)
Phase duration = 375
Amplitude = −3
Slope = −1e−04
00
06
12
18
00
Time (Hours)
2023−01−09 to 2023−01−09

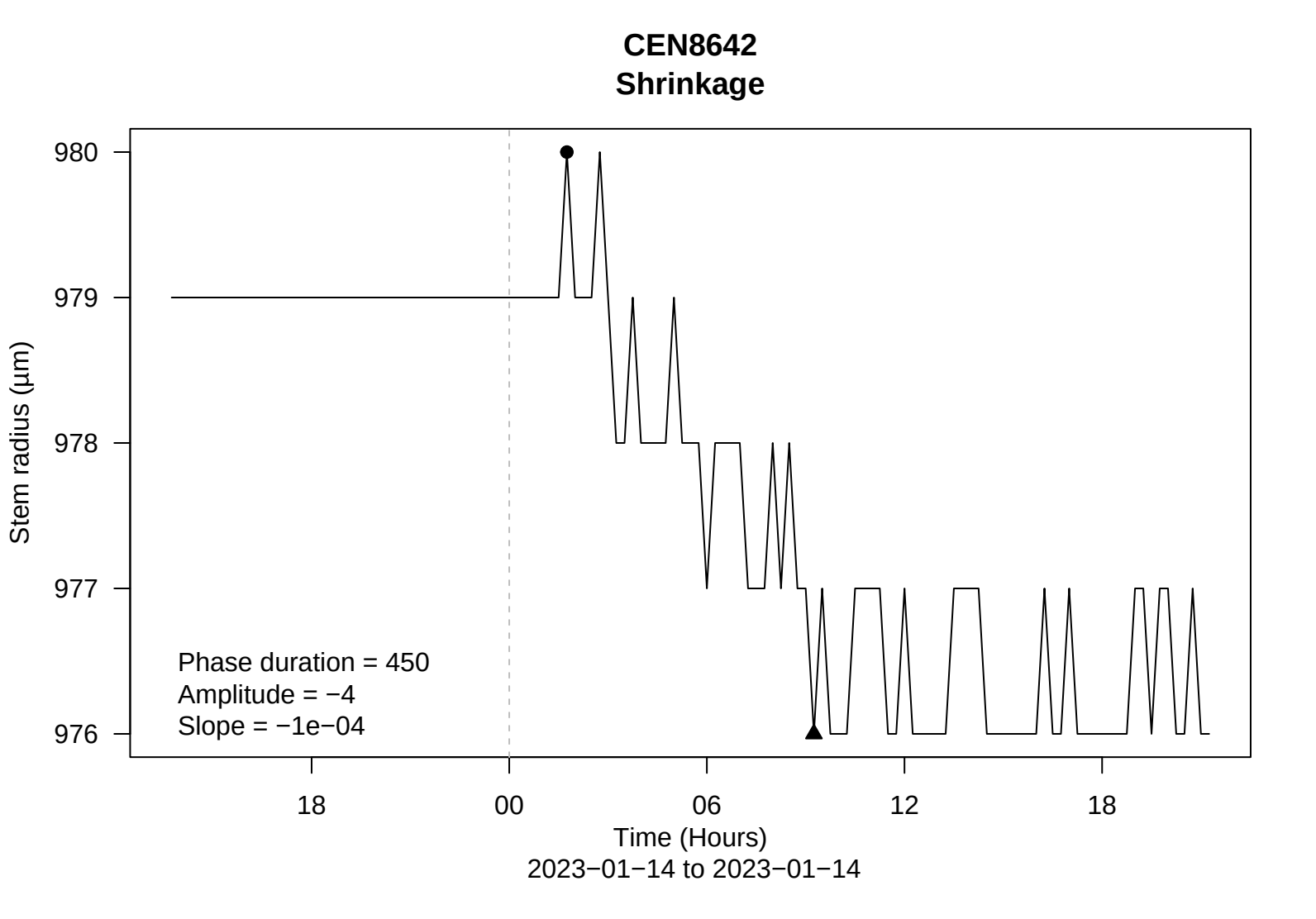

CEN8642
Shrinkage
979
978
977
976
975
Stem radius (µm)
Phase duration = 1275
Amplitude = −4
Slope = 0
12
00
12
00
Time (Hours)
2023−01−09 to 2023−01−10

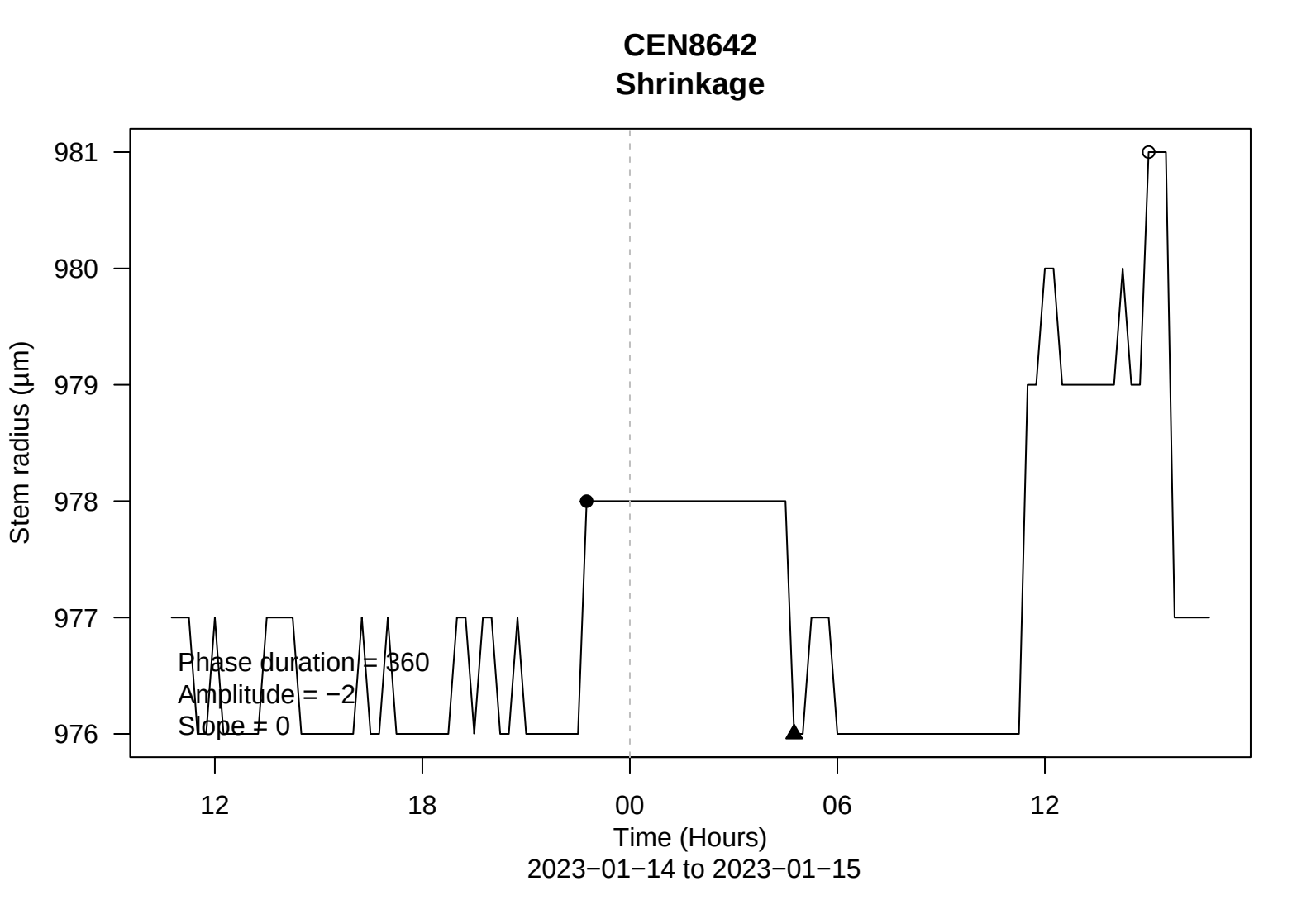

CEN8642
Expansion
977.0
976.5
976.0
975.5
975.0
Stem radius (µm)
06
12
18
00
06
Time (Hours)
2023−01−10 to 2023−01−10
Phase duration = 315
Amplitude = 2
Slope = 0

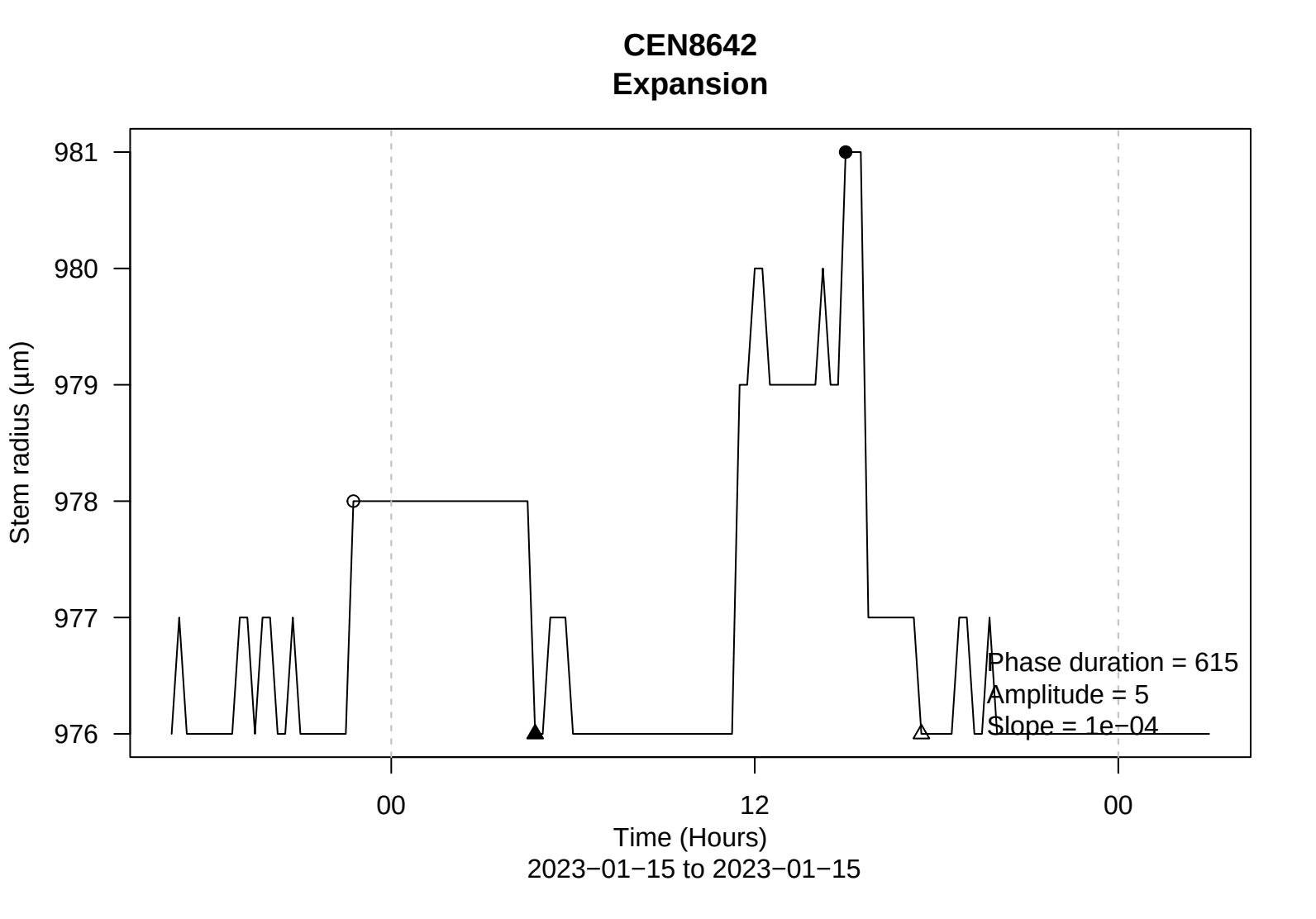

CEN8642
Expansion
978.0
977.5
977.0
976.5
976.0
975.5
975.0
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−01−10 to 2023−01−11
Phase duration = 1095
Amplitude = 2
Slope = 0

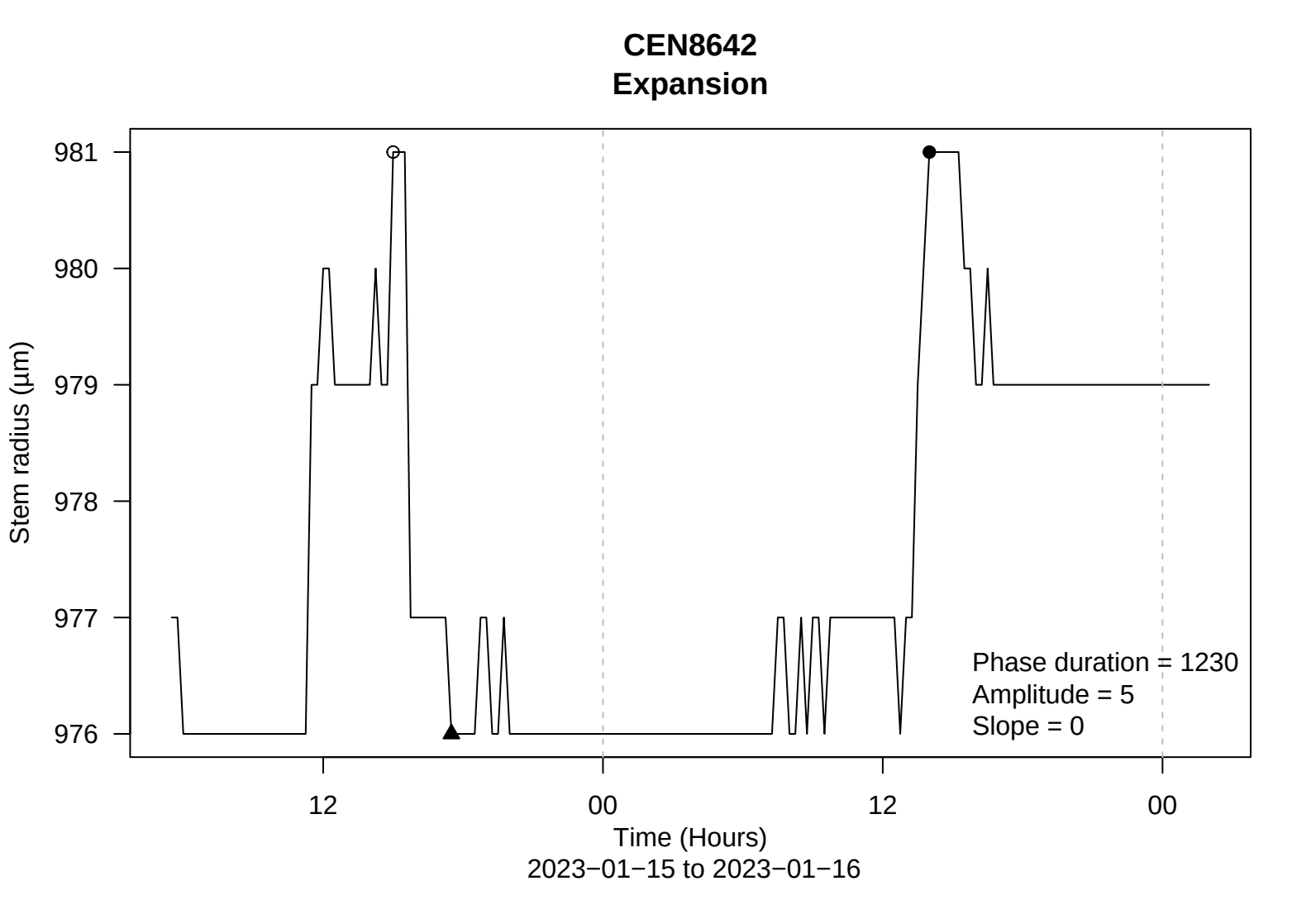

CEN8642
Shrinkage
978.0
977.5
977.0
976.5
976.0
975.5
975.0
Stem radius (µm)
Phase duration = 300
Amplitude = −2
Slope = 0
06
12
18
00
06
Time (Hours)
2023−01−11 to 2023−01−11

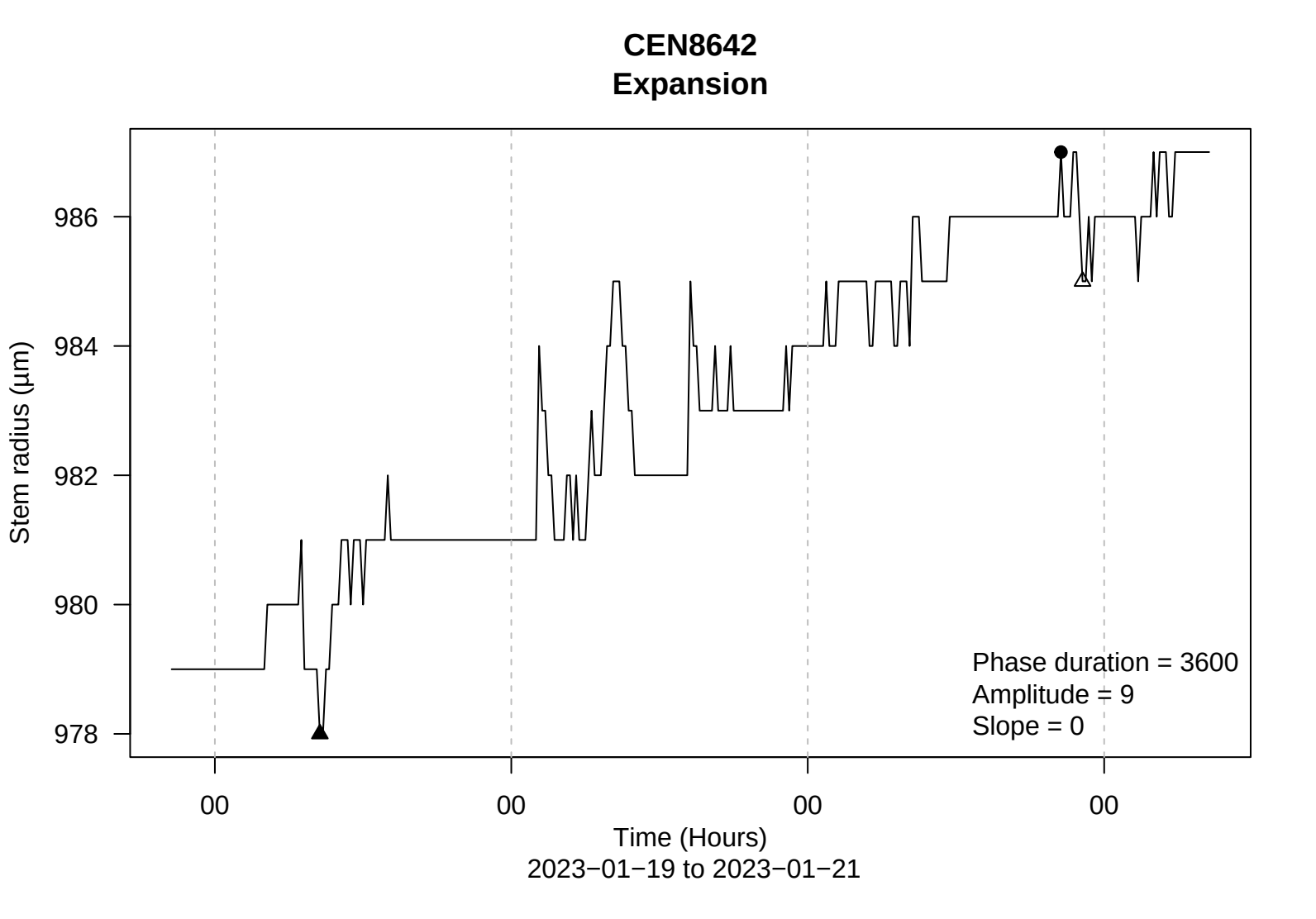

CEN8642
Expansion
980
979
978
977
976
975
Stem radius (µm)
12
00
12
00
12
Time (Hours)
2023−01−13 to 2023−01−14
Phase duration = 1515
Amplitude = 5
Slope = 0

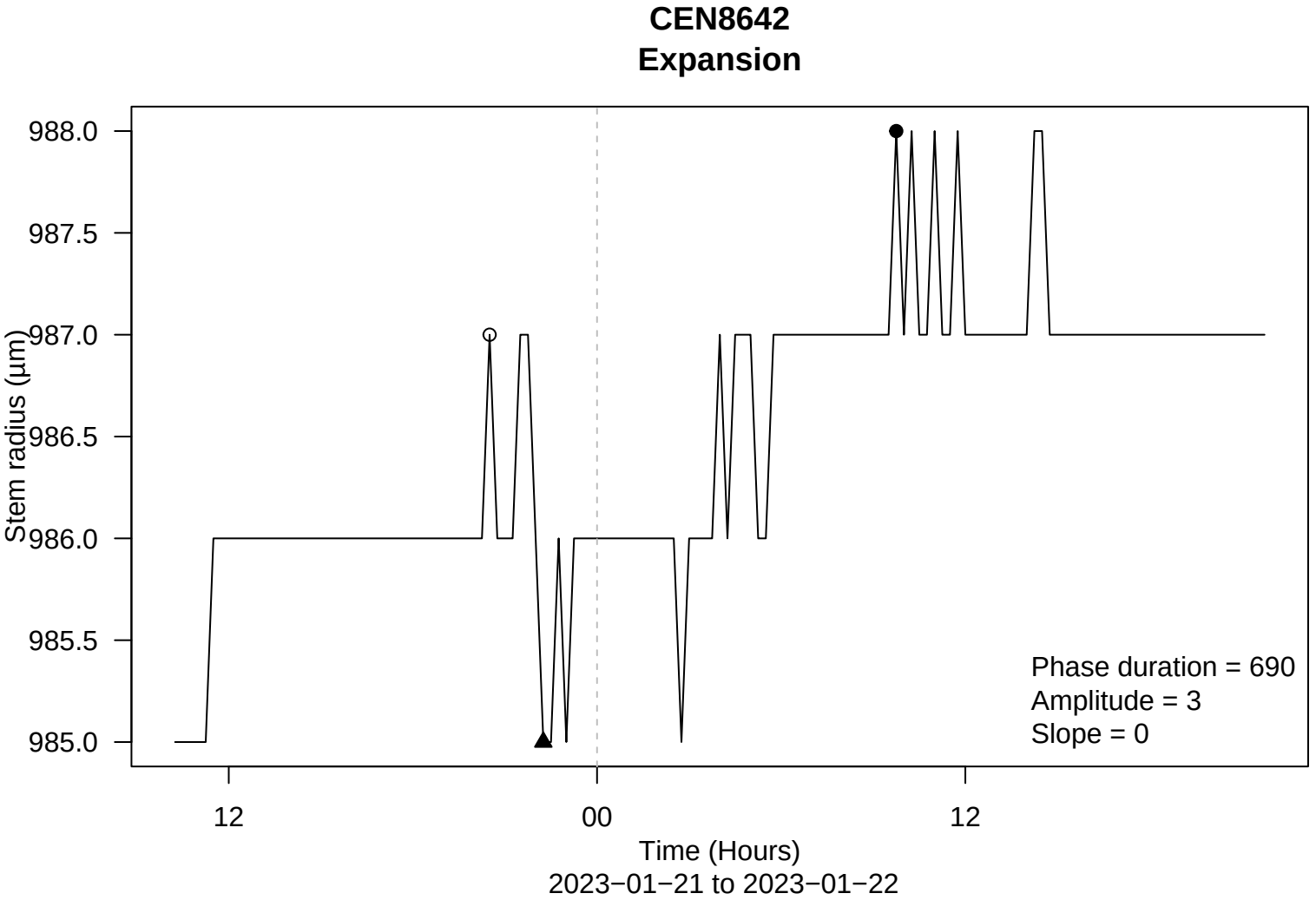

CEN8642
Shrinkage
980
979
978
977
976
Stem radius (µm)
Phase duration = 450
Amplitude = −4
Slope = −1e−04
18
00
06
12
18
Time (Hours)
2023−01−14 to 2023−01−14

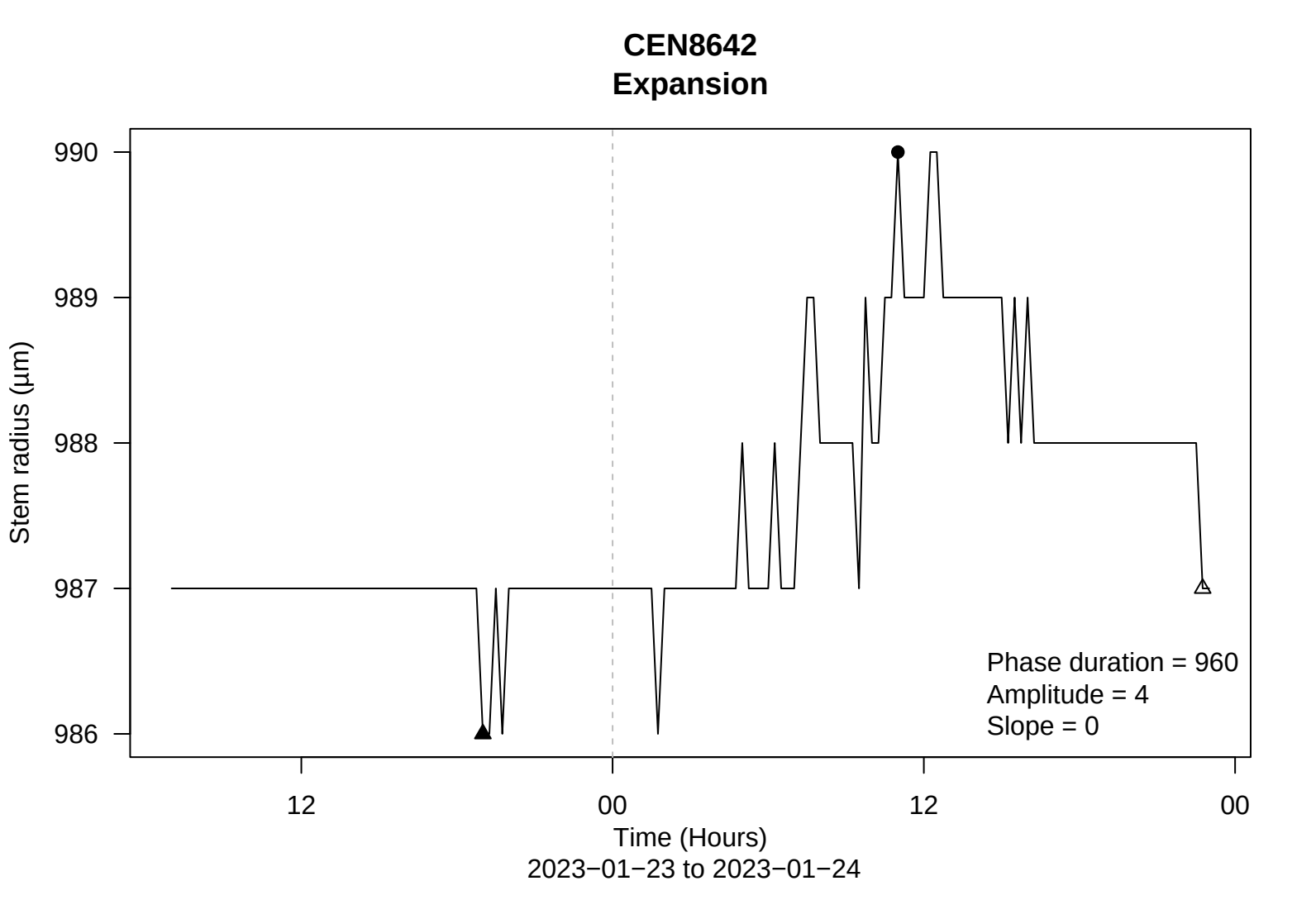

CEN8642
Shrinkage
981
980
979
978
977
976
Stem radius (µm)
Phase duration = 360
Amplitude = −2
Slope = 0
12
18
00
06
12
Time (Hours)
2023−01−14 to 2023−01−15

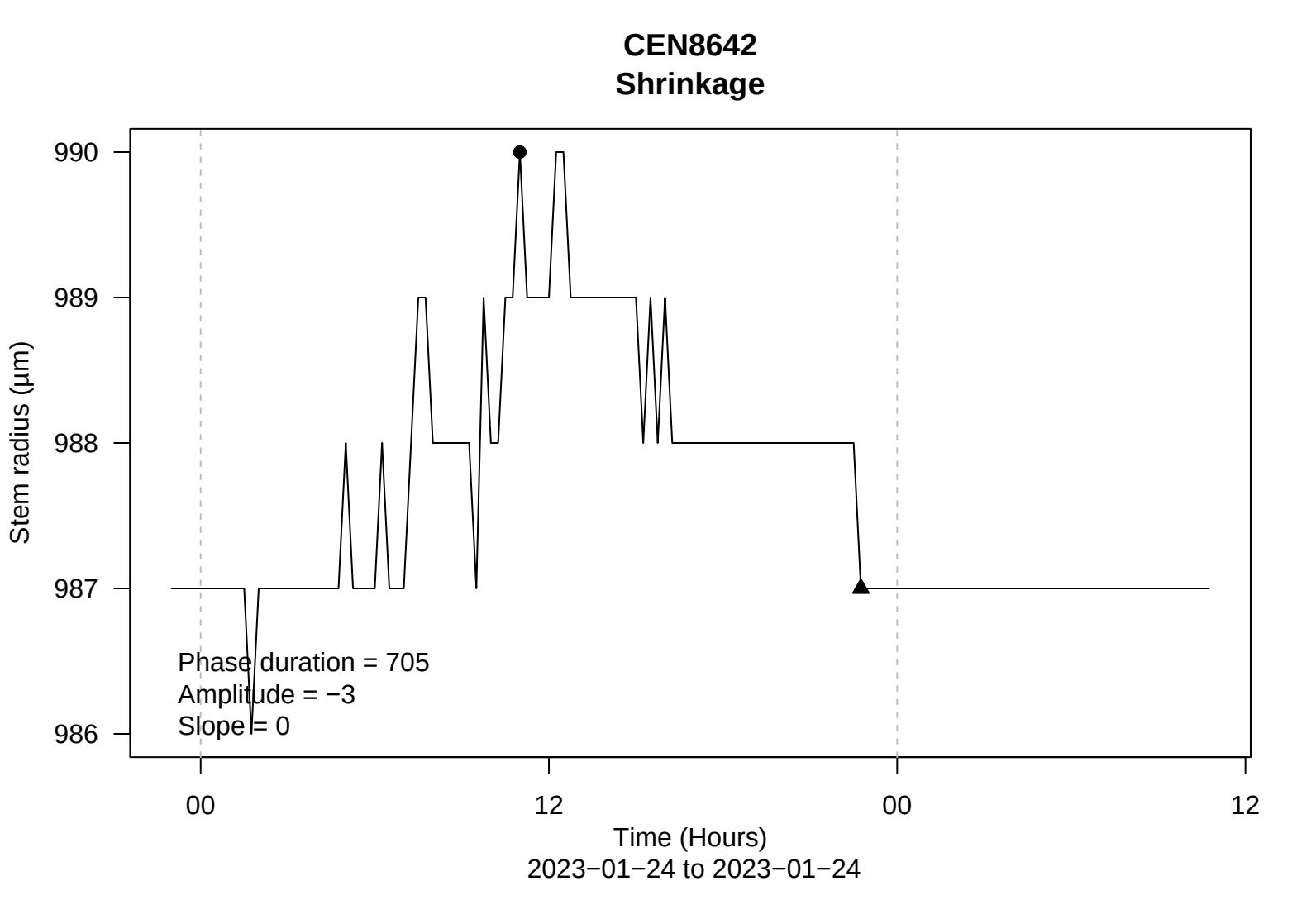

CEN8642
Expansion
981
980
979
978
977
976
Stem radius (µm)
00
12
00
Time (Hours)
2023−01−15 to 2023−01−15
Phase duration = 615
Amplitude = 5
Slope = 1e−04

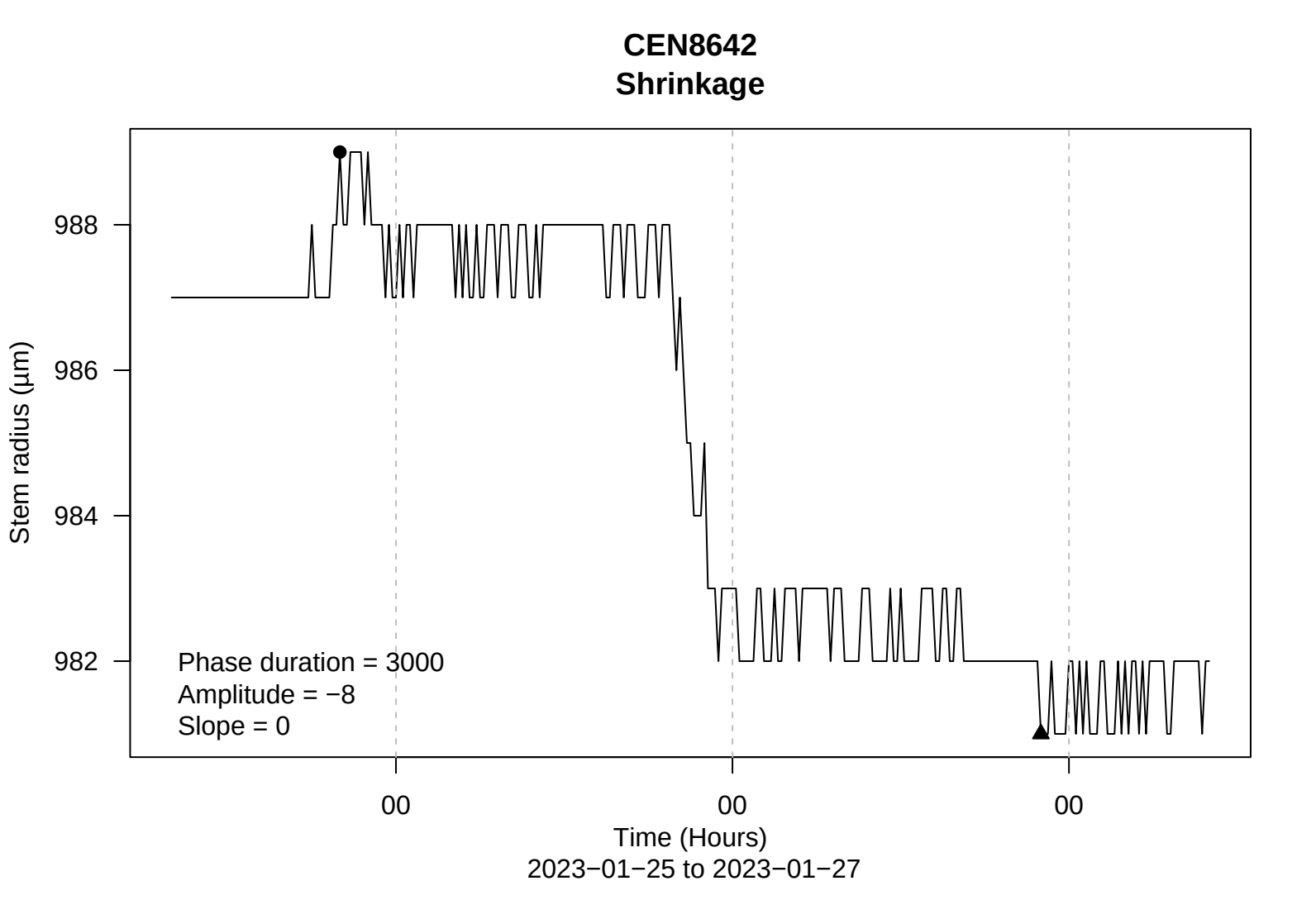

CEN8642
Expansion
981
980
979
978
977
976
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−01−15 to 2023−01−16
Phase duration = 1230
Amplitude = 5
Slope = 0

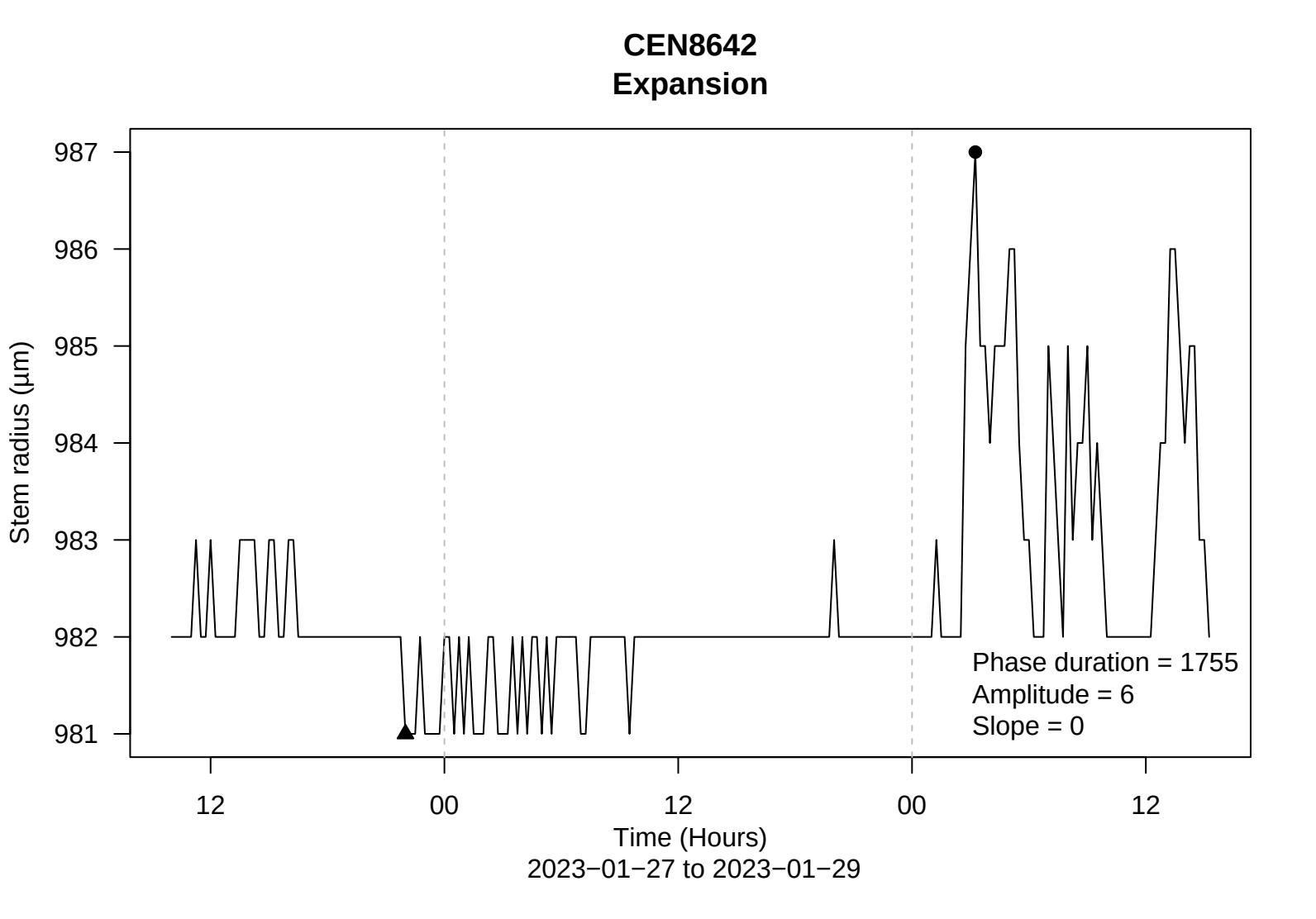

CEN8642
Expansion
Stem radius (µm)
986
984
982
980
978
00
00
00
00
Time (Hours)
2023−01−19 to 2023−01−21
Phase duration = 3600
Amplitude = 9
Slope = 0

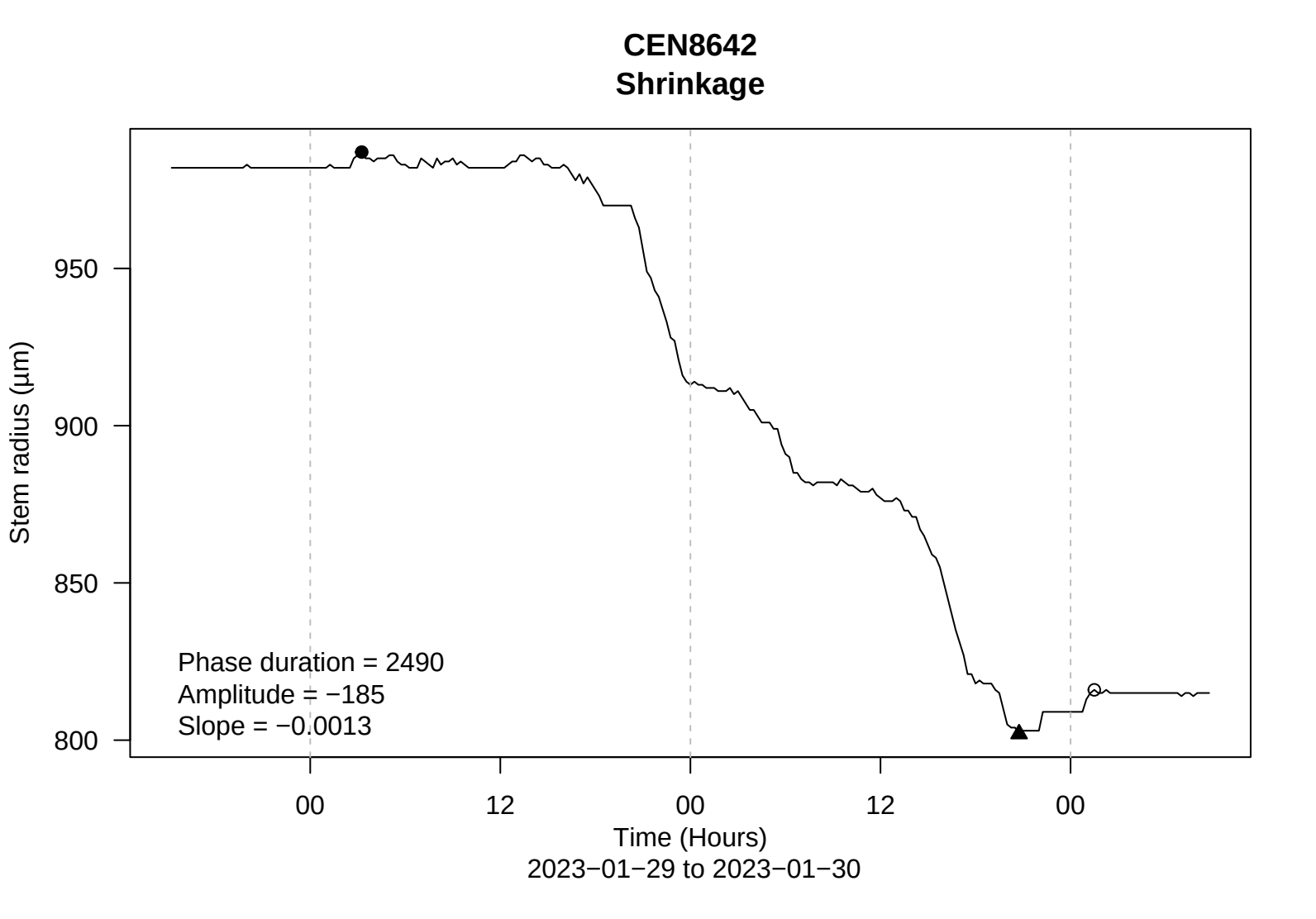

CEN8642
Expansion
988.0
987.5
987.0
986.5
986.0
985.5
985.0
Stem radius (µm)
12
00
12
Time (Hours)
2023−01−21 to 2023−01−22
Phase duration = 690
Amplitude = 3
Slope = 0

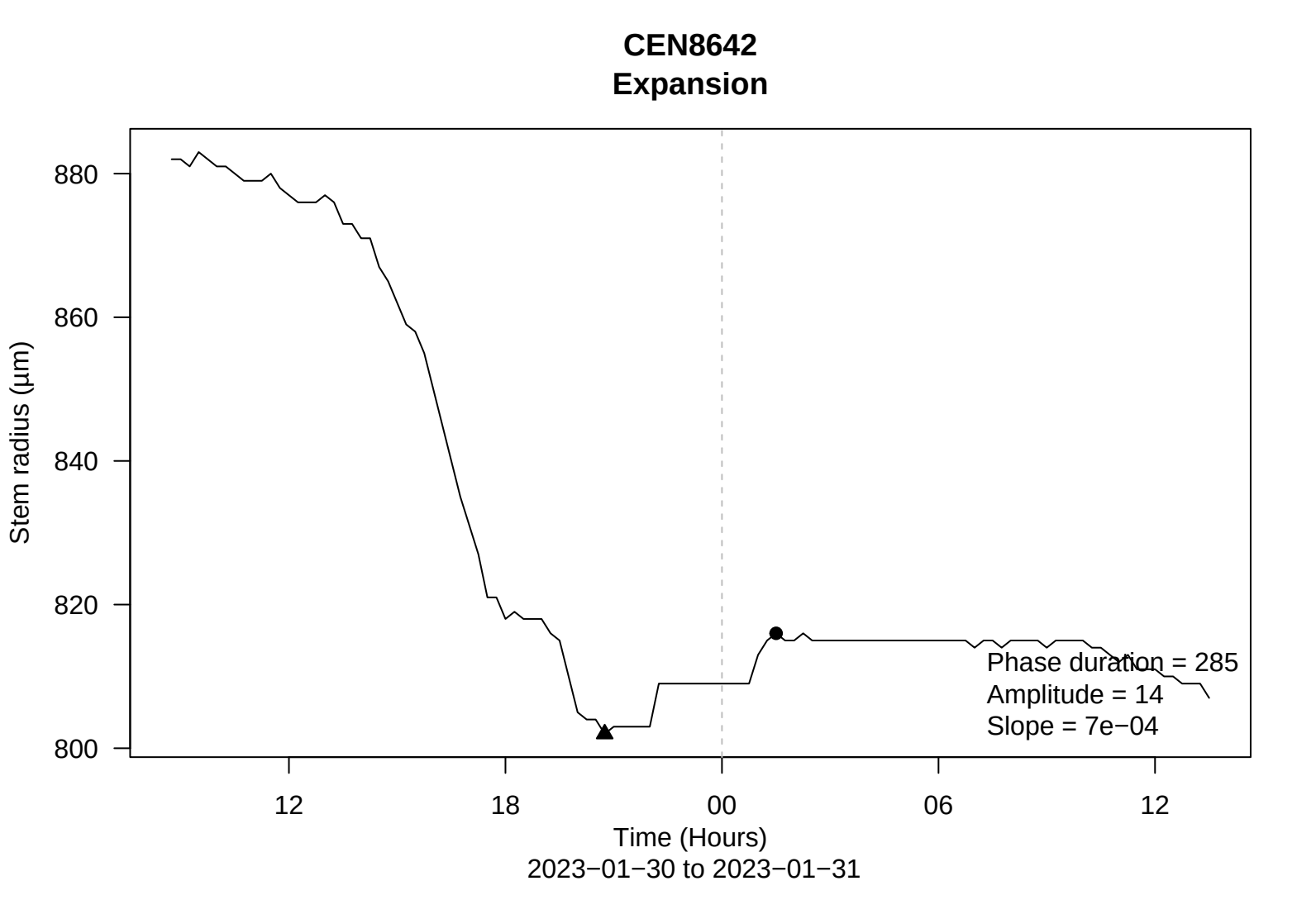

CEN8642
Expansion
990
989
988
987
986
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−01−23 to 2023−01−24
Phase duration = 960
Amplitude = 4
Slope = 0

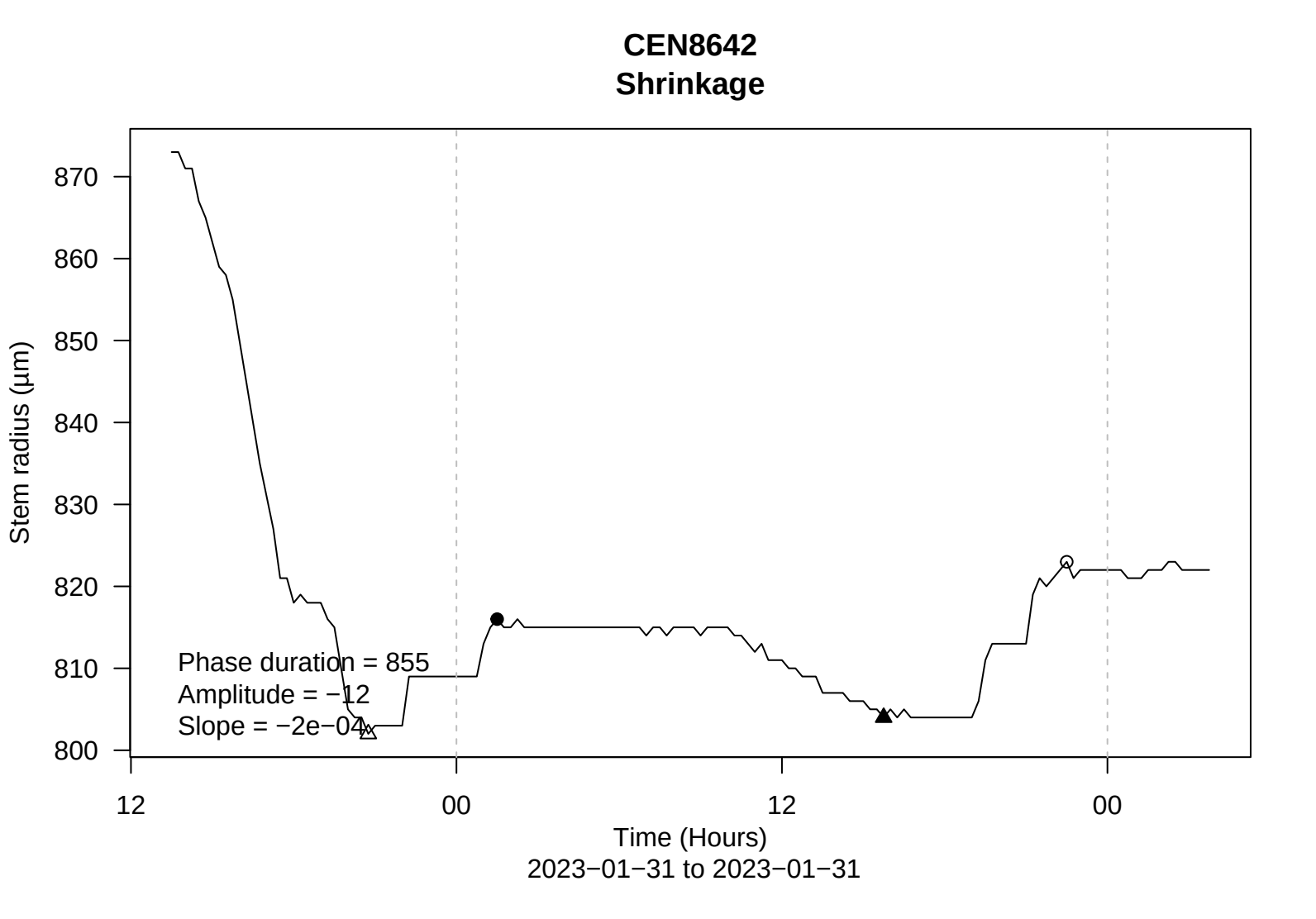

CEN8642
Shrinkage
990
989
988
987
986
Stem radius (µm)
Phase duration = 705
Amplitude = −3
Slope = 0
00
12
00
12
Time (Hours)
2023−01−24 to 2023−01−24

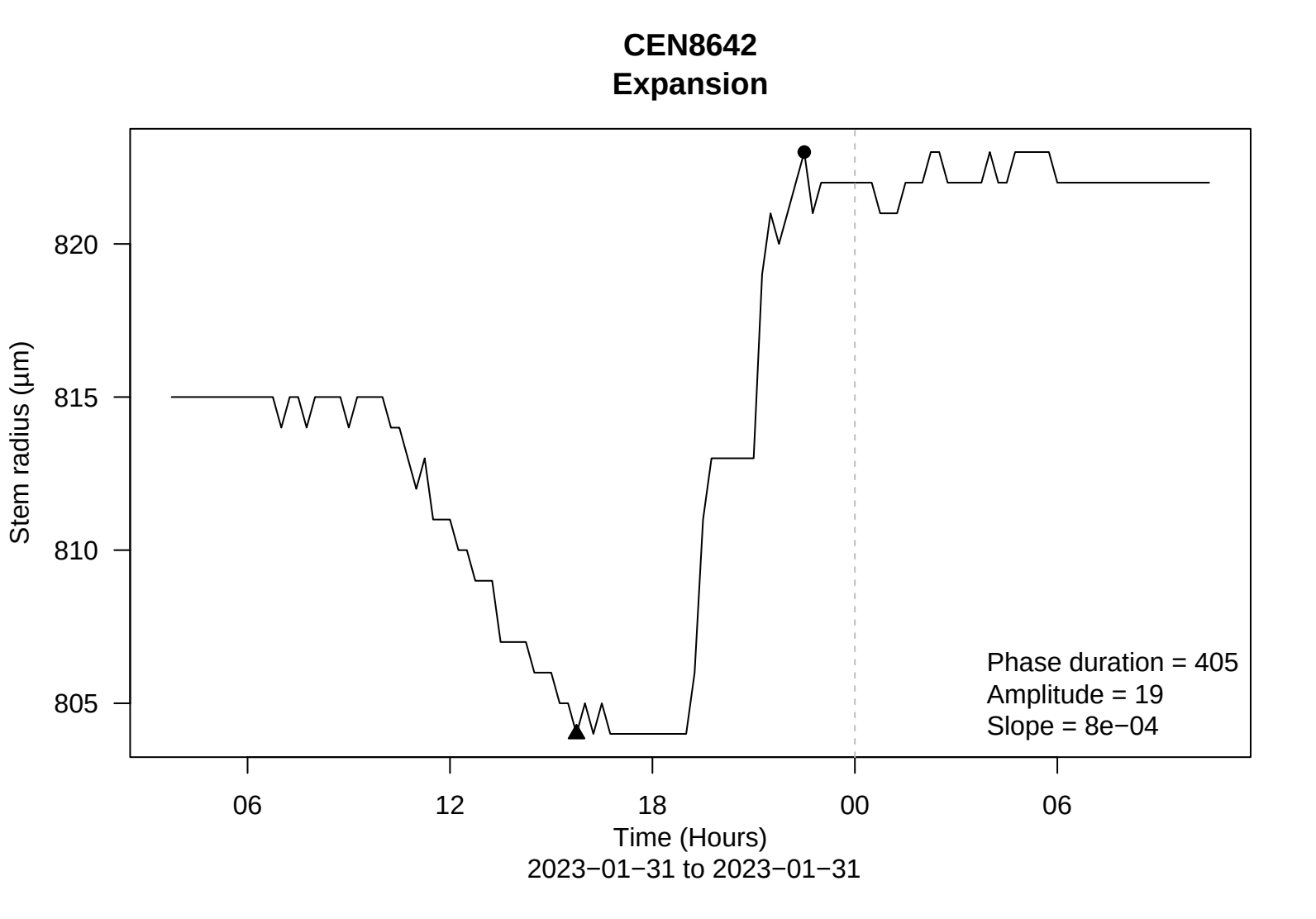

CEN8642
Shrinkage
988
986
984
982
Stem radius (µm)
Phase duration = 3000
Amplitude = −8
Slope = 0
00
00
00
Time (Hours)
2023−01−25 to 2023−01−27

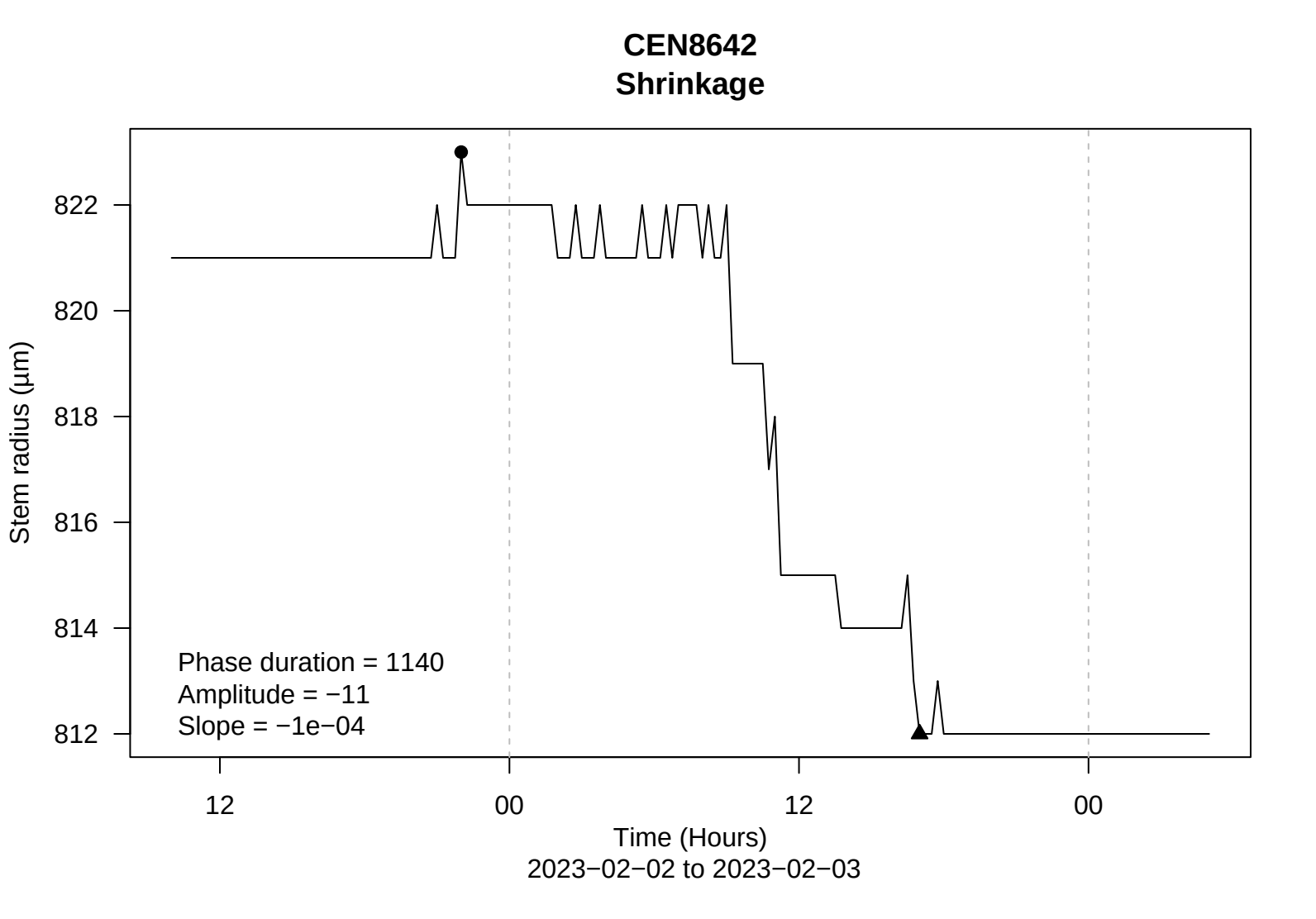

CEN8642
Expansion
987
986
985
984
983
982
981
Stem radius (µm)
12
00
12
00
12
Time (Hours)
2023−01−27 to 2023−01−29
Phase duration = 1755
Amplitude = 6
Slope = 0

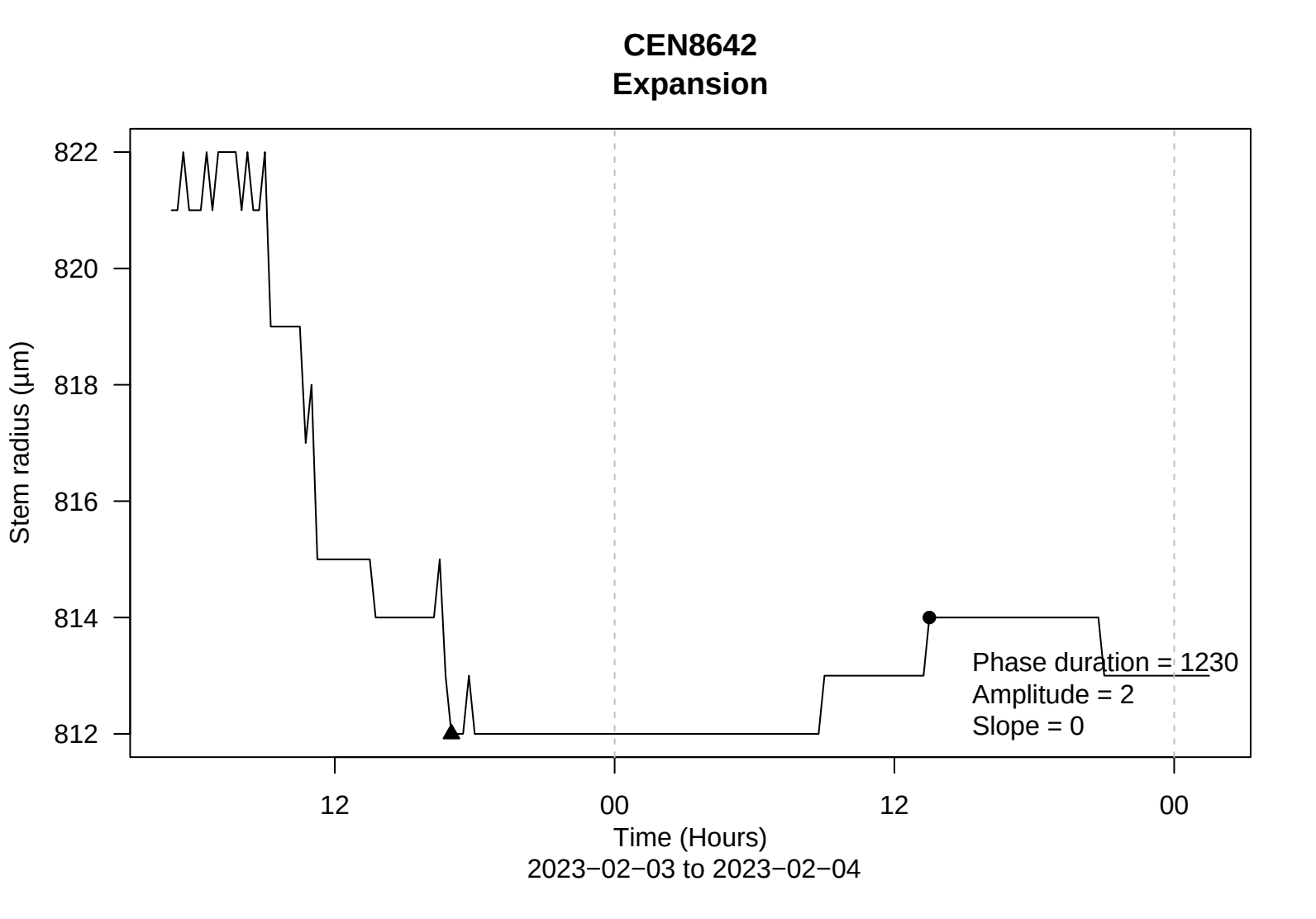

CEN8642
Shrinkage
Stem radius (µm)
950
900
850
800
Phase duration = 2490
Amplitude = −185
Slope = −0.0013
00
12
00
12
00
Time (Hours)
2023−01−29 to 2023−01−30

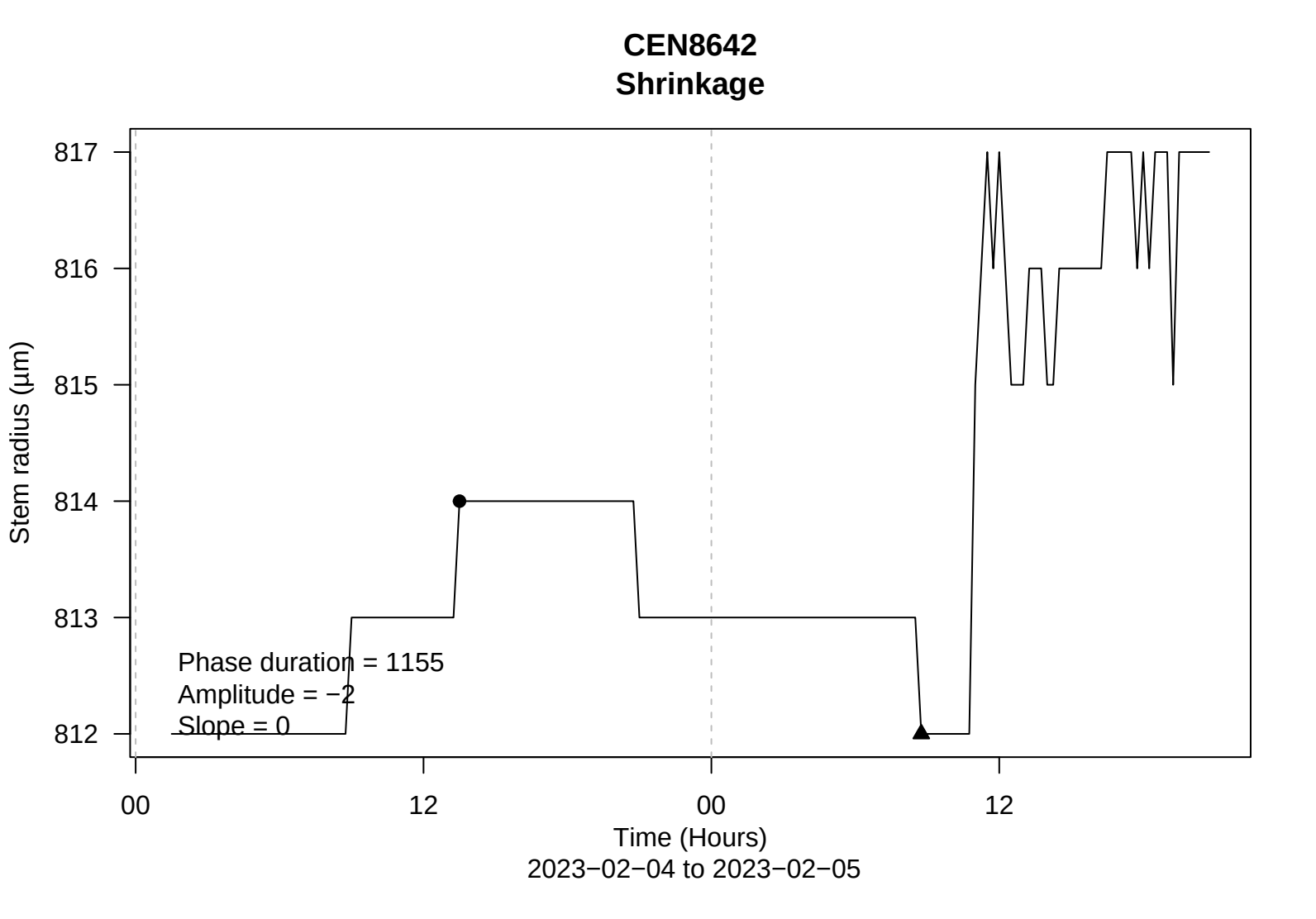

CEN8642
Expansion
880
860
840
820
800
Stem radius (µm)
12
18
00
06
12
Time (Hours)
2023−01−30 to 2023−01−31
Phase duration = 285
Amplitude = 14
Slope = 7e−04

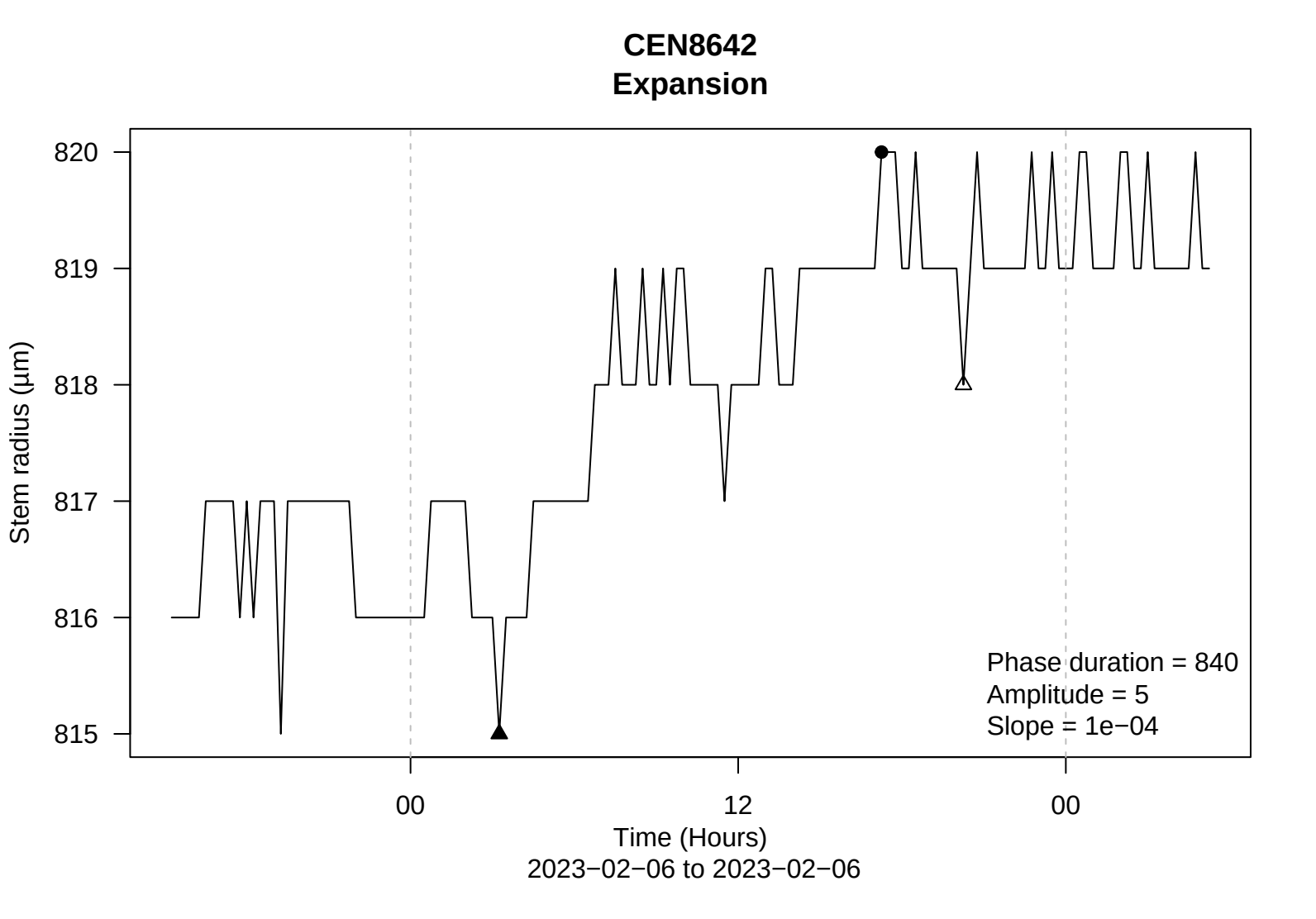

CEN8642
Shrinkage
Stem radius (µm)
870
860
850
840
830
820
810
800
Phase duration = 855
Amplitude = −12
Slope = −2e−04
12
00
12
00
Time (Hours)
2023−01−31 to 2023−01−31

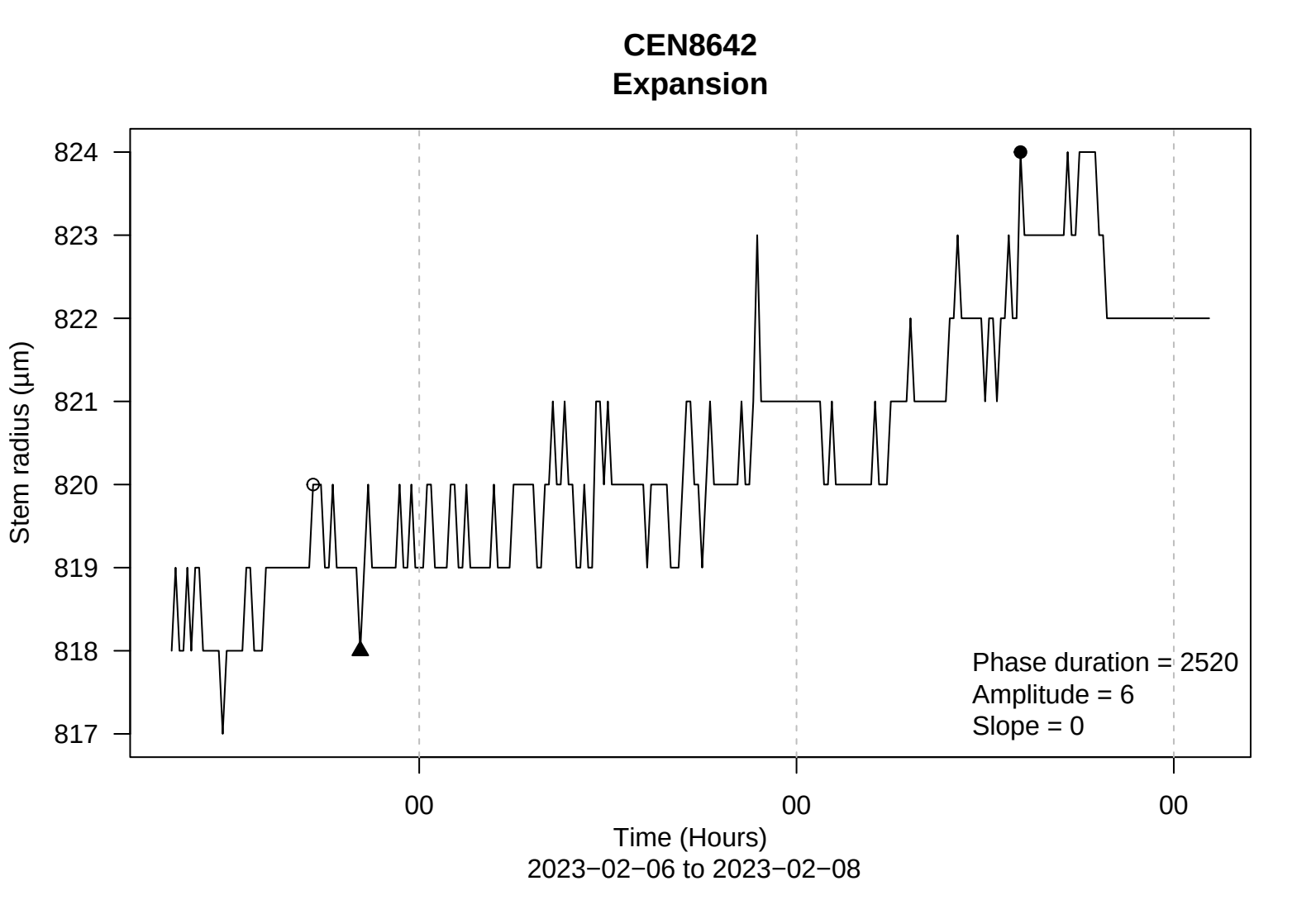

CEN8642
Expansion
820
815
810
805
Stem radius (µm)
06
12
18
00
06
Time (Hours)
2023−01−31 to 2023−01−31
Phase duration = 405
Amplitude = 19
Slope = 8e−04

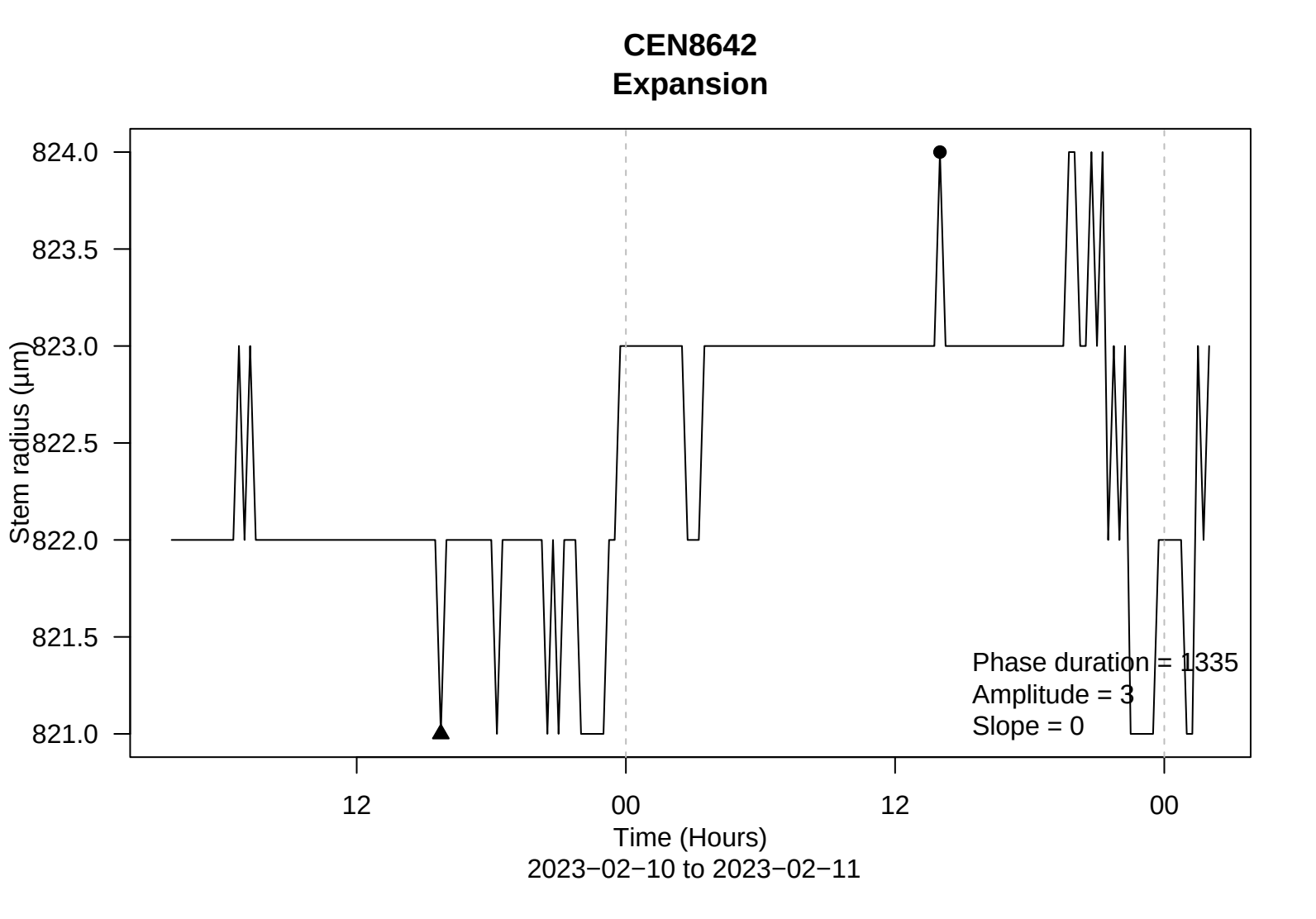

CEN8642
Shrinkage
822
820
818
816
814
812
Stem radius (µm)
Phase duration = 1140
Amplitude = −11
Slope = −1e−04
12
00
12
00
Time (Hours)
2023−02−02 to 2023−02−03

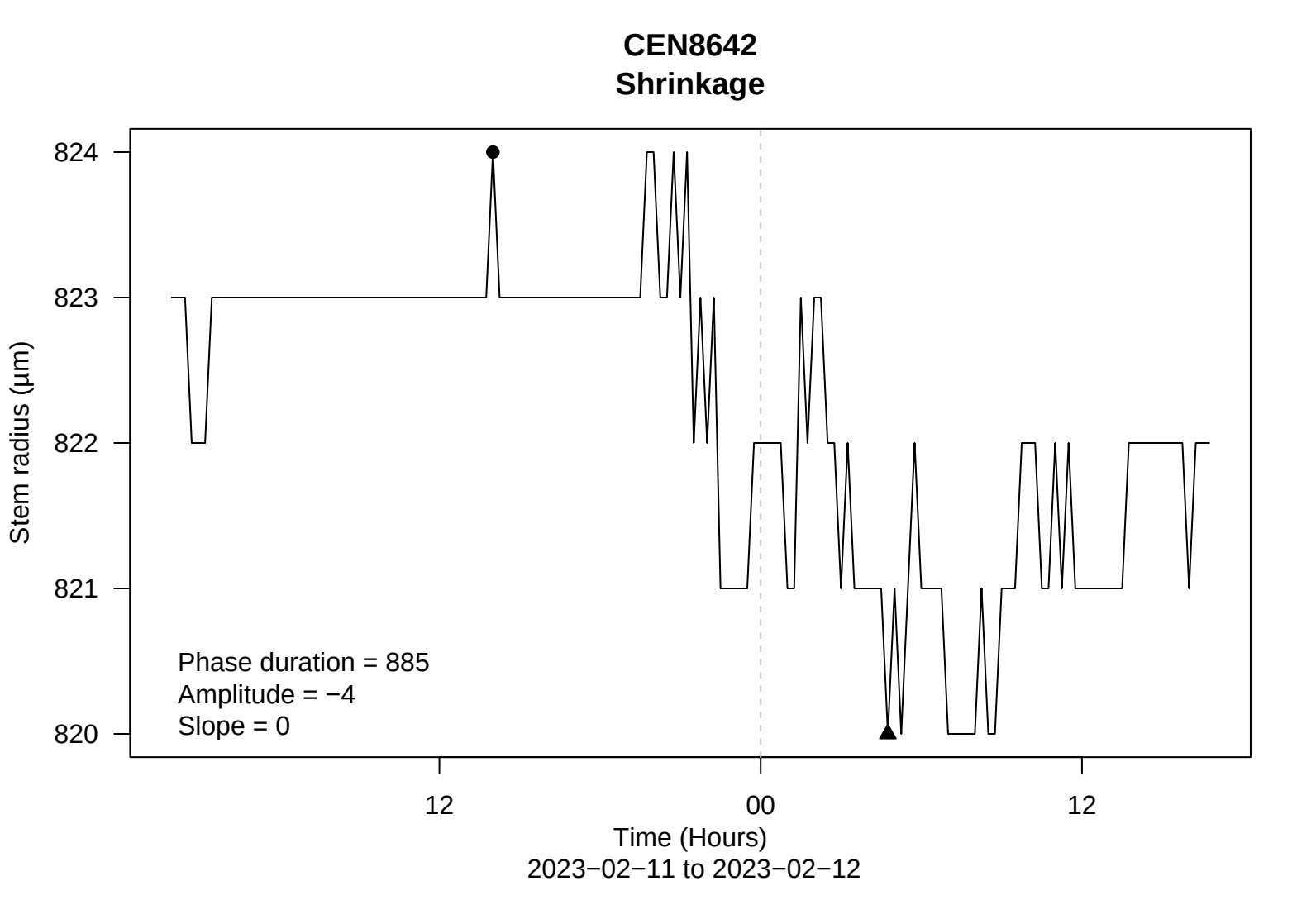

CEN8642
Expansion
822
820
818
816
814
812
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−02−03 to 2023−02−04
Phase duration = 1230
Amplitude = 2
Slope = 0

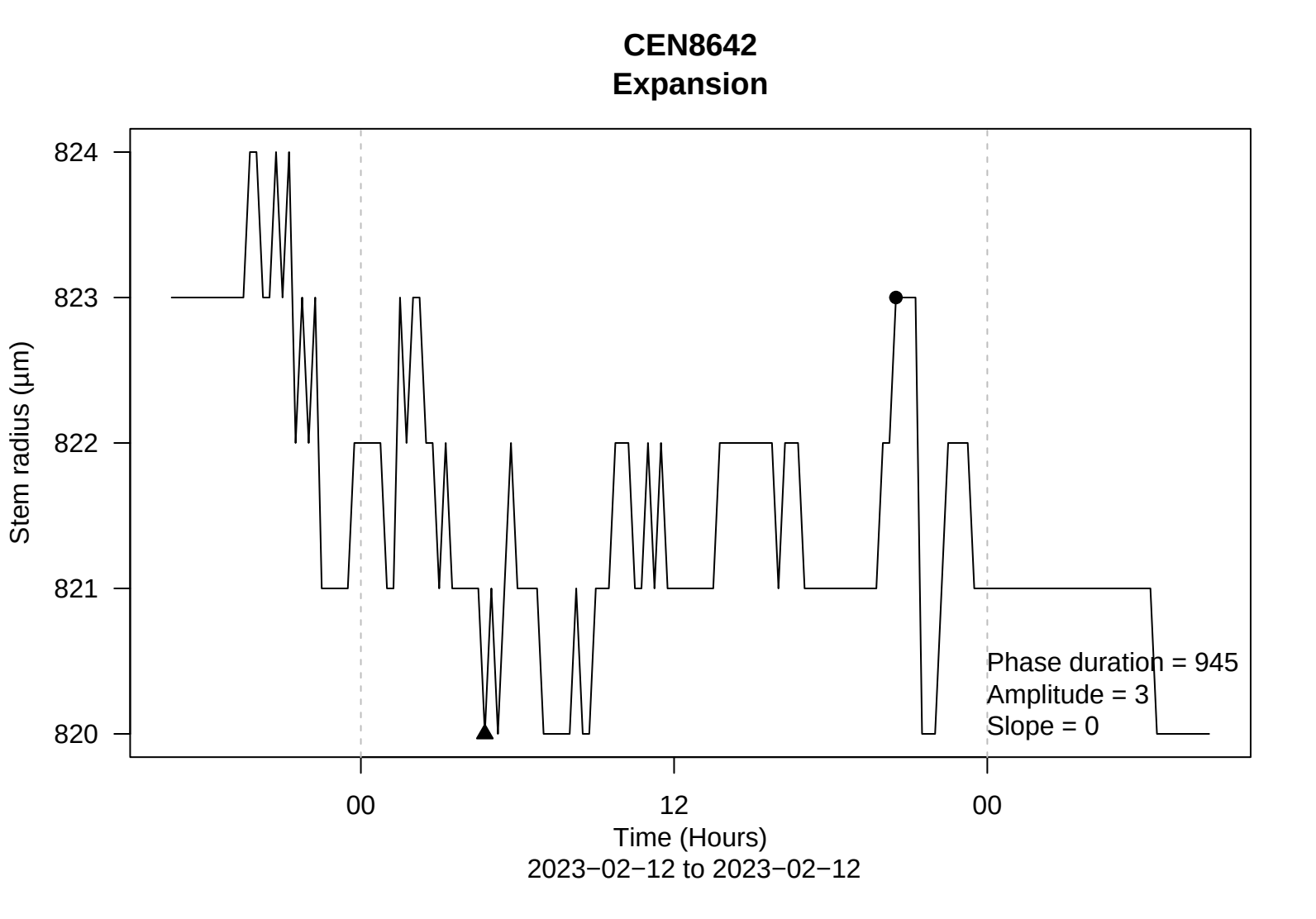

CEN8642
Shrinkage
817
816
815
814
813
812
Stem radius (µm)
Phase duration = 1155
Amplitude = −2
Slope = 0
00
12
00
12
Time (Hours)
2023−02−04 to 2023−02−05

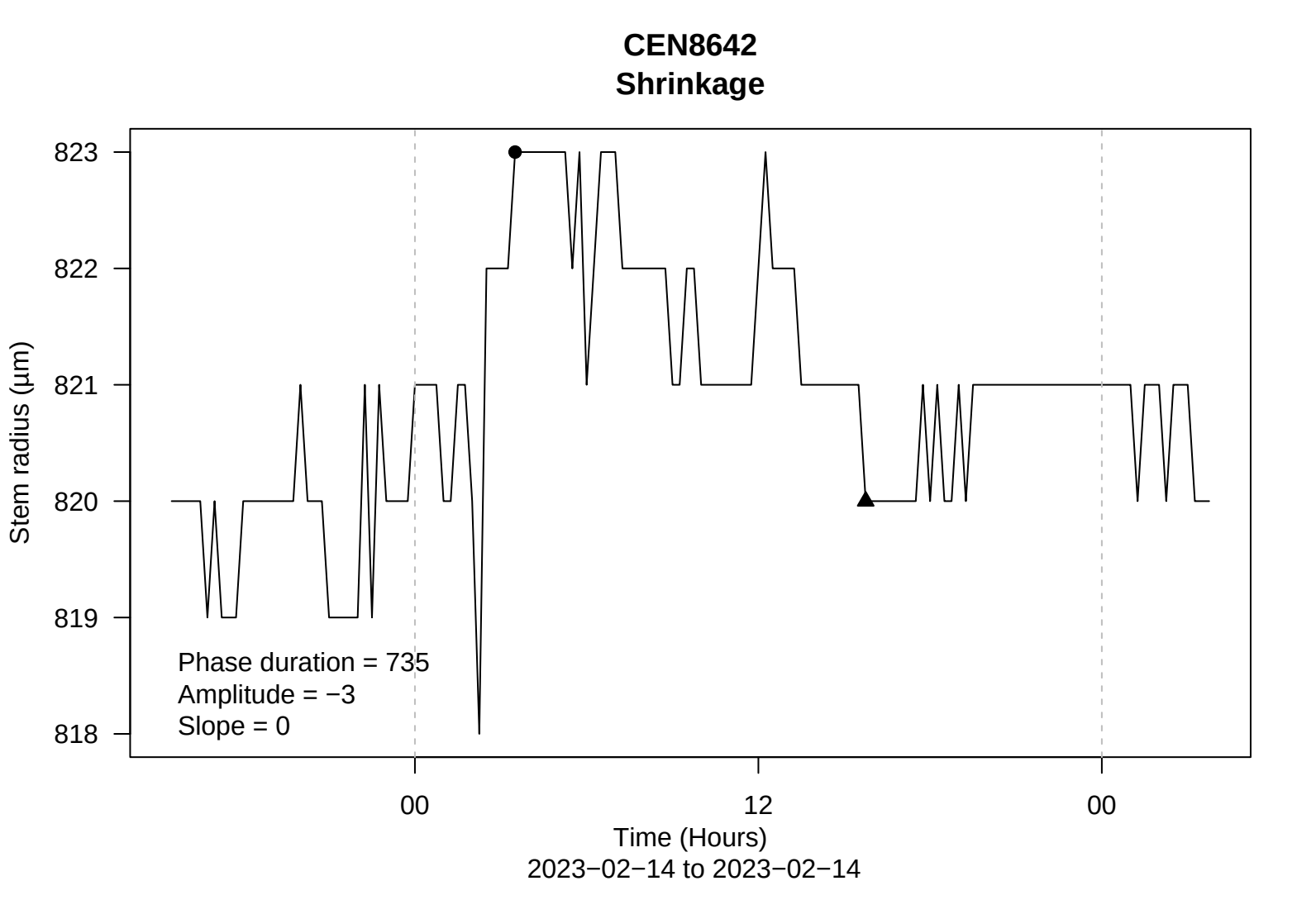

CEN8642
Expansion
820
819
818
817
816
815
Stem radius (µm)
00
12
00
Time (Hours)
2023−02−06 to 2023−02−06
Phase duration = 840
Amplitude = 5
Slope = 1e−04

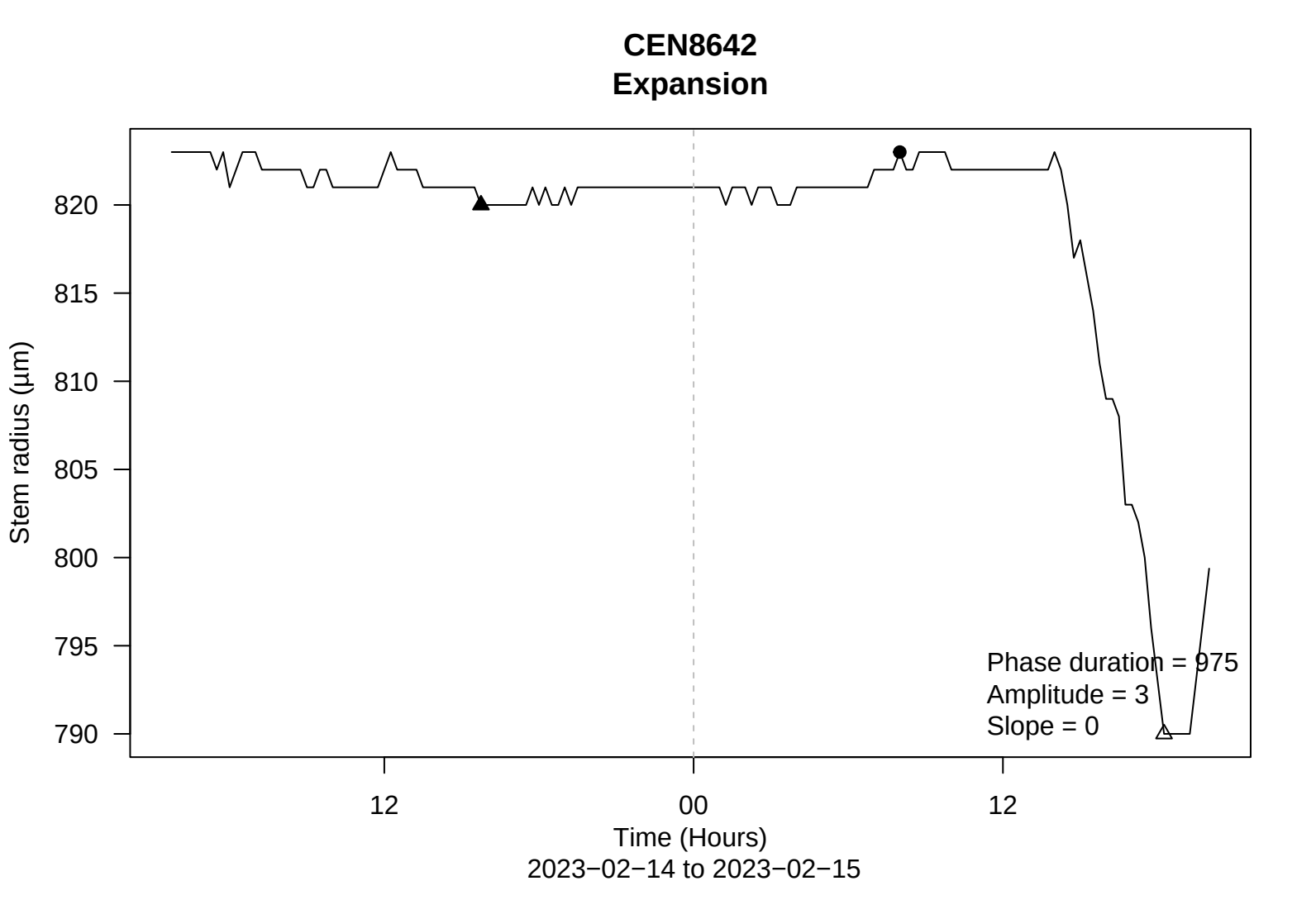

CEN8642
Expansion
824
823
822
821
820
819
818
817
Stem radius (µm)
00
00
00
Time (Hours)
2023−02−06 to 2023−02−08
Phase duration = 2520
Amplitude = 6
Slope = 0

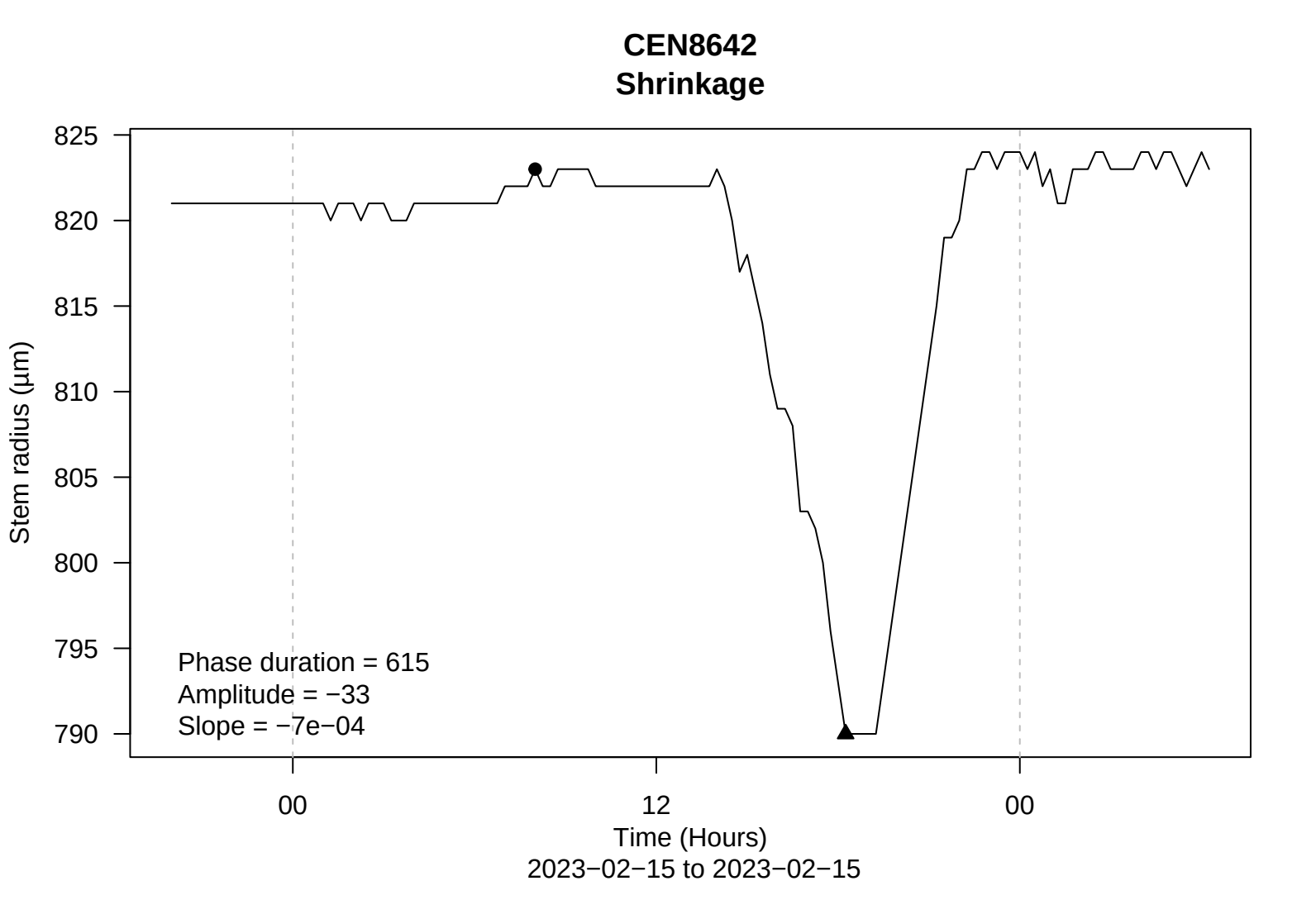

CEN8642
Expansion
824.0
823.5
823.0
822.5
822.0
821.5
821.0
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−02−10 to 2023−02−11
Phase duration = 1335
Amplitude = 3
Slope = 0

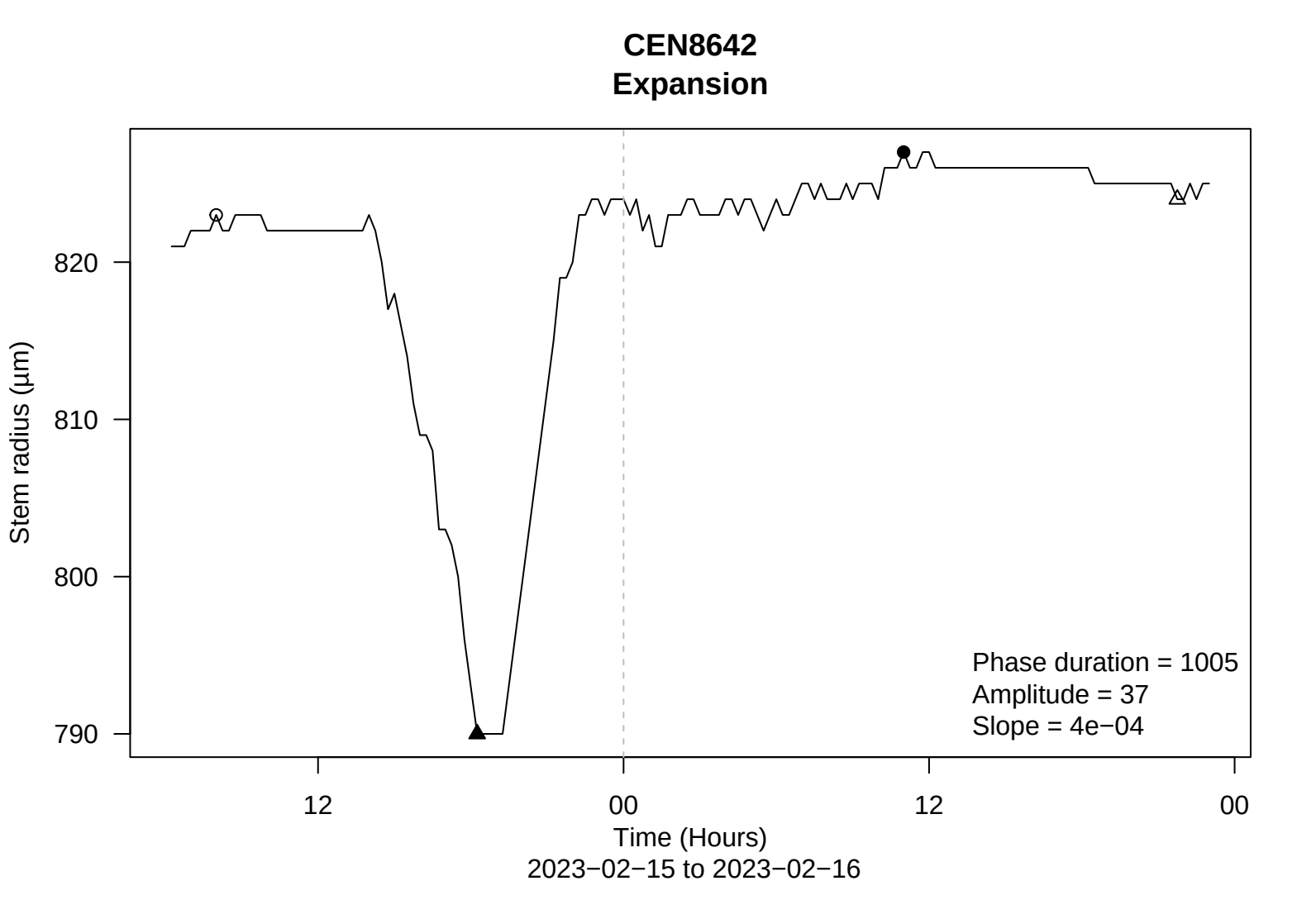

CEN8642
Shrinkage
824
823
822
821
820
Stem radius (µm)
Phase duration = 885
Amplitude = −4
Slope = 0
12
00
12
Time (Hours)
2023−02−11 to 2023−02−12

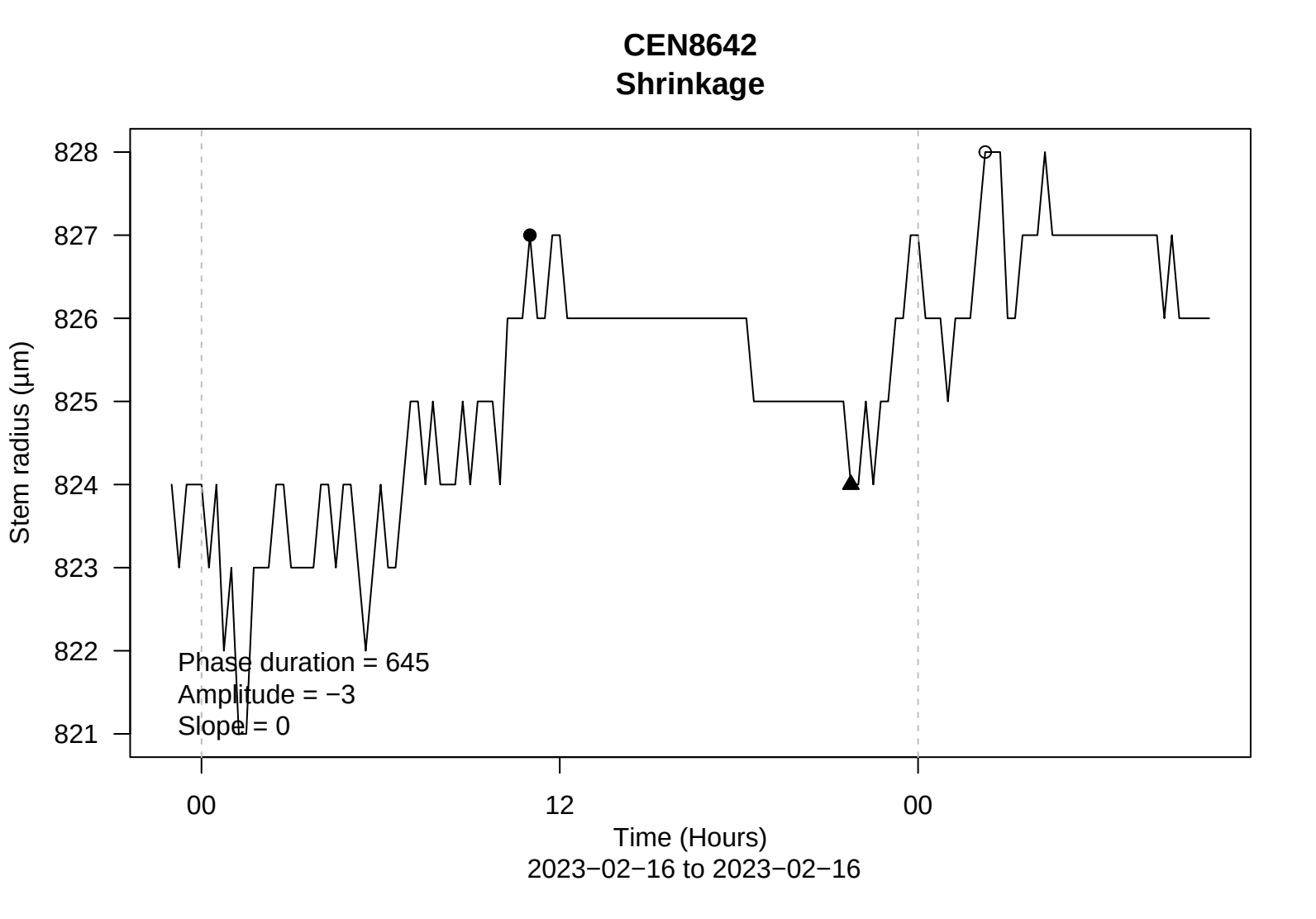

CEN8642
Expansion
824
823
822
821
820
Stem radius (µm)
00
12
00
Time (Hours)
2023−02−12 to 2023−02−12
Phase duration = 945
Amplitude = 3
Slope = 0

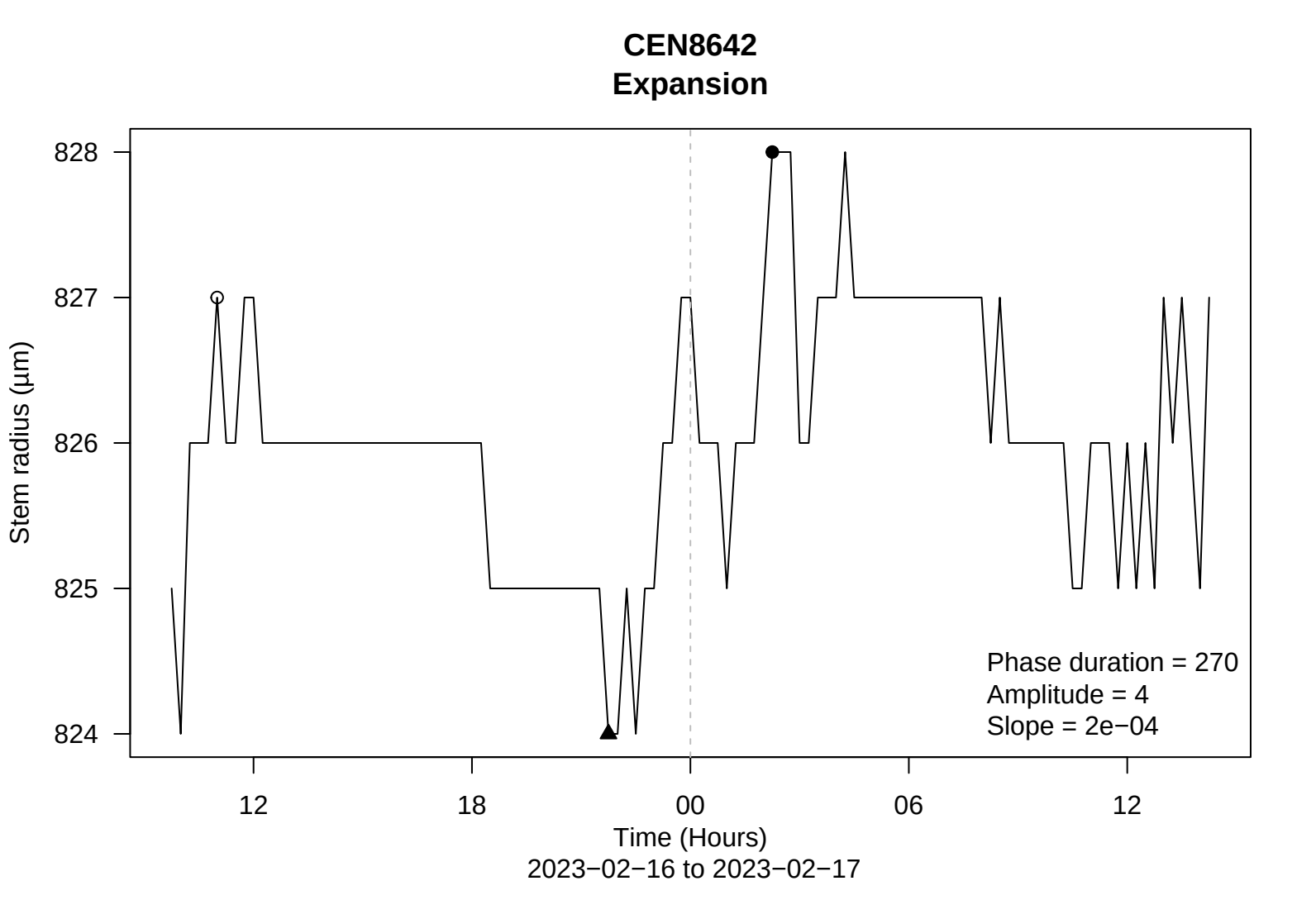

CEN8642
Shrinkage
823
822
821
820
819
818
Stem radius (µm)
Phase duration = 735
Amplitude = −3
Slope = 0
00
12
00
Time (Hours)
2023−02−14 to 2023−02−14

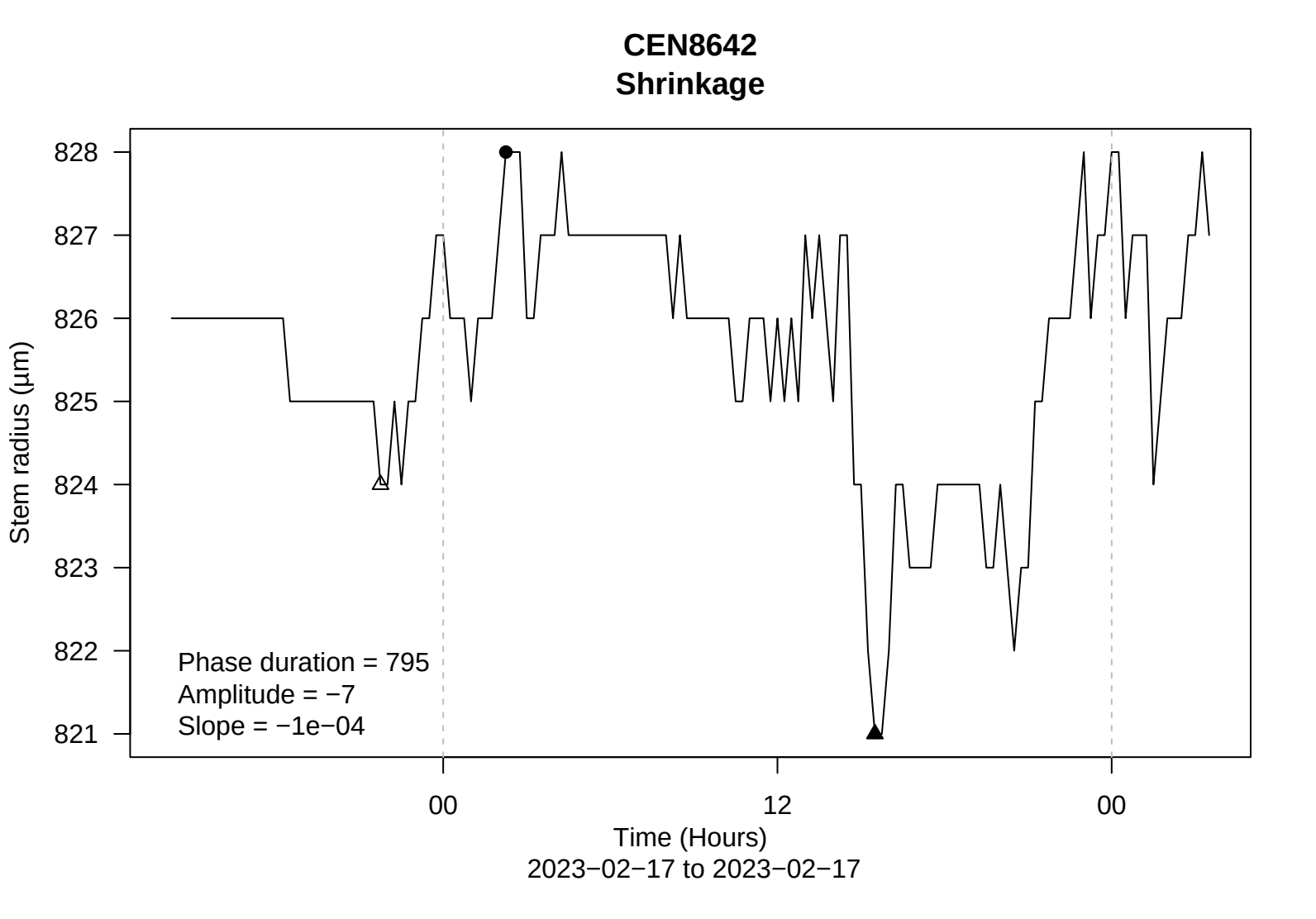

CEN8642
Expansion
820
815
810
805
800
795
790
Stem radius (µm)
12
00
12
Time (Hours)
2023−02−14 to 2023−02−15
Phase duration = 975
Amplitude = 3
Slope = 0

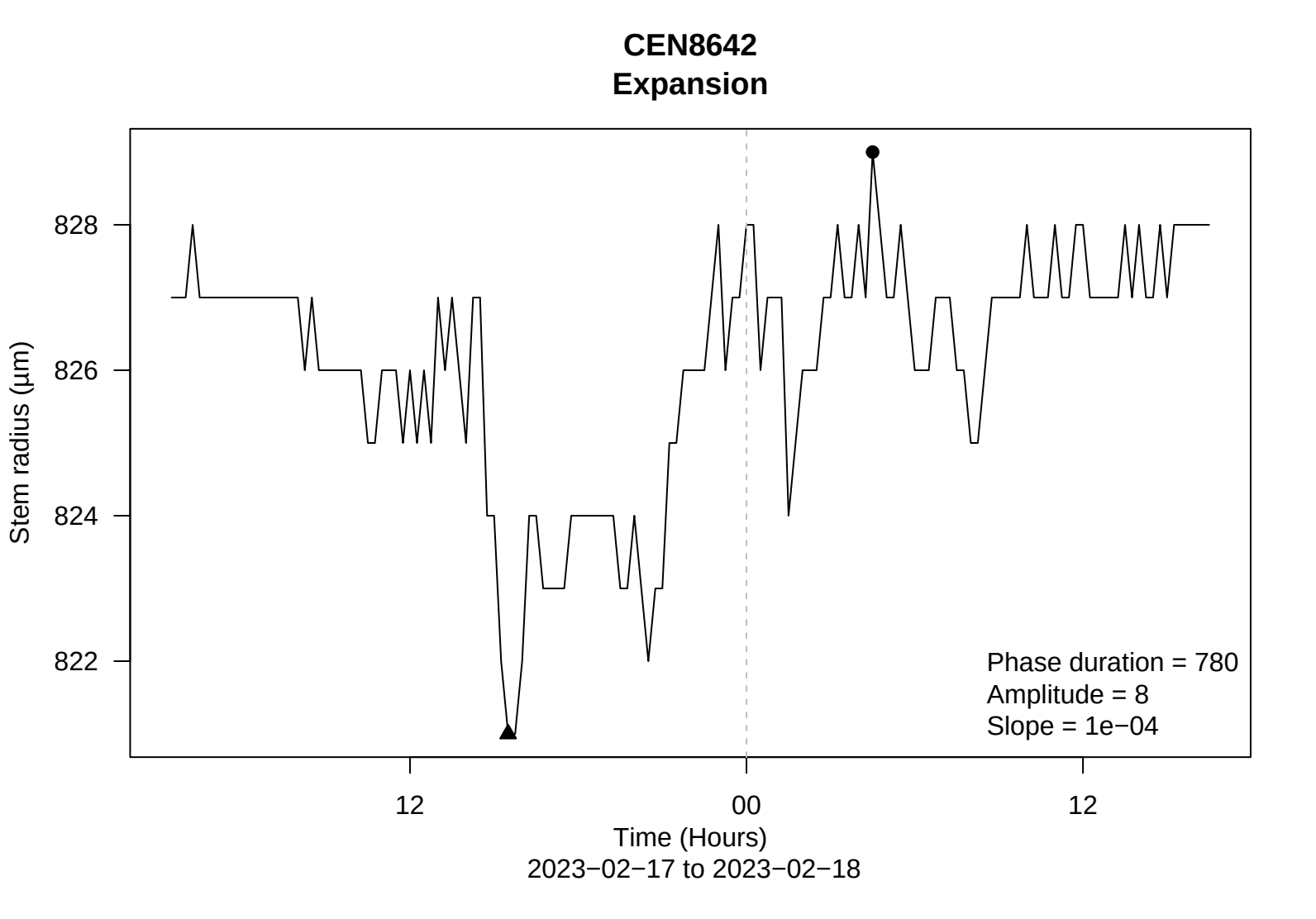

CEN8642
Shrinkage
825
820
815
810
805
800
795
790
Stem radius (µm)
Phase duration = 615
Amplitude = −33
Slope = −7e−04
00
12
00
Time (Hours)
2023−02−15 to 2023−02−15

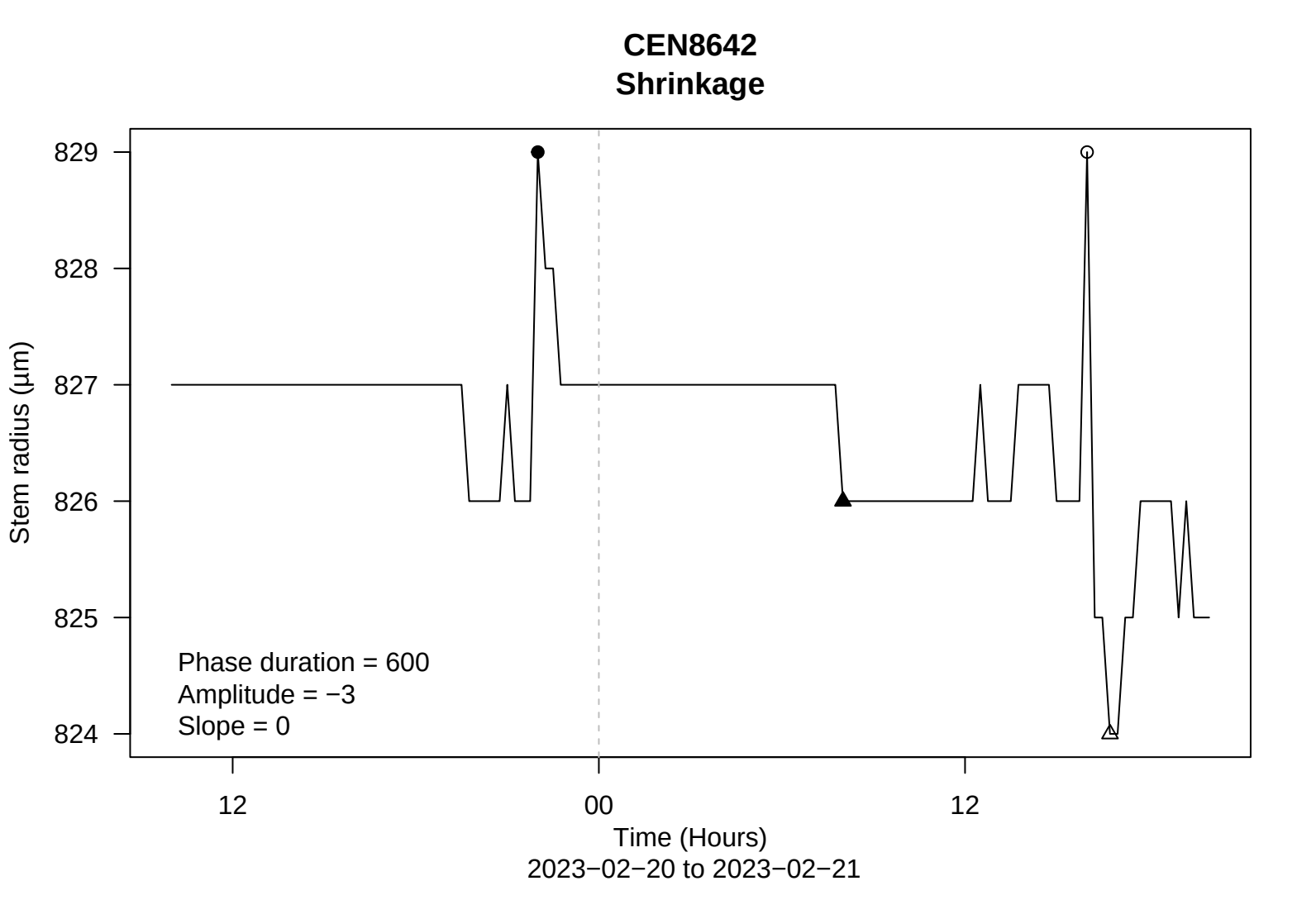

CEN8642
Expansion
Stem radius (µm)
820
810
800
790
12
00
12
00
Time (Hours)
2023−02−15 to 2023−02−16
Phase duration = 1005
Amplitude = 37
Slope = 4e−04

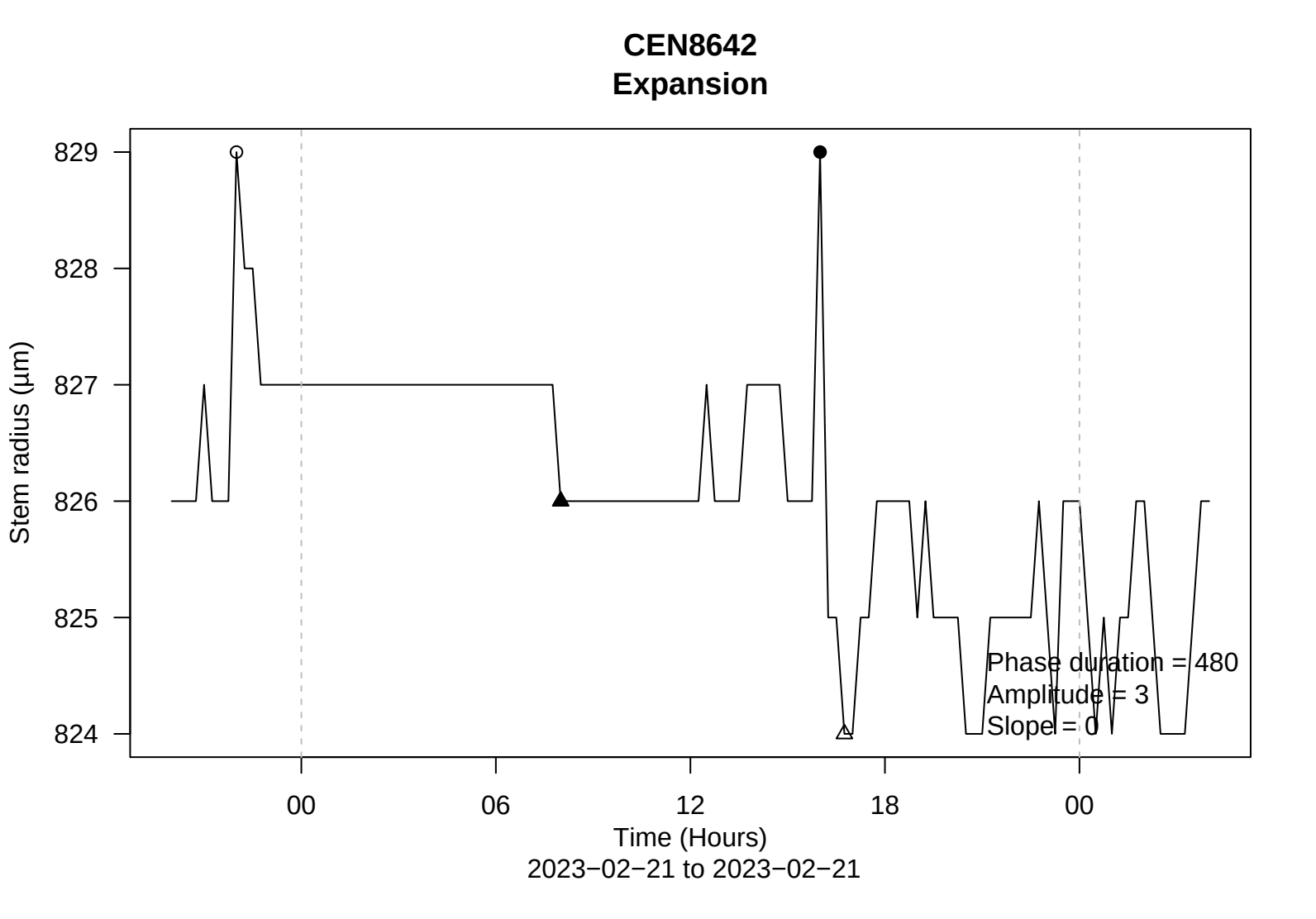

CEN8642
Shrinkage
Stem radius (µm)
828
827
826
825
824
823
822
821
Phase duration = 645
Amplitude = −3
Slope = 0
00
12
00
Time (Hours)
2023−02−16 to 2023−02−16

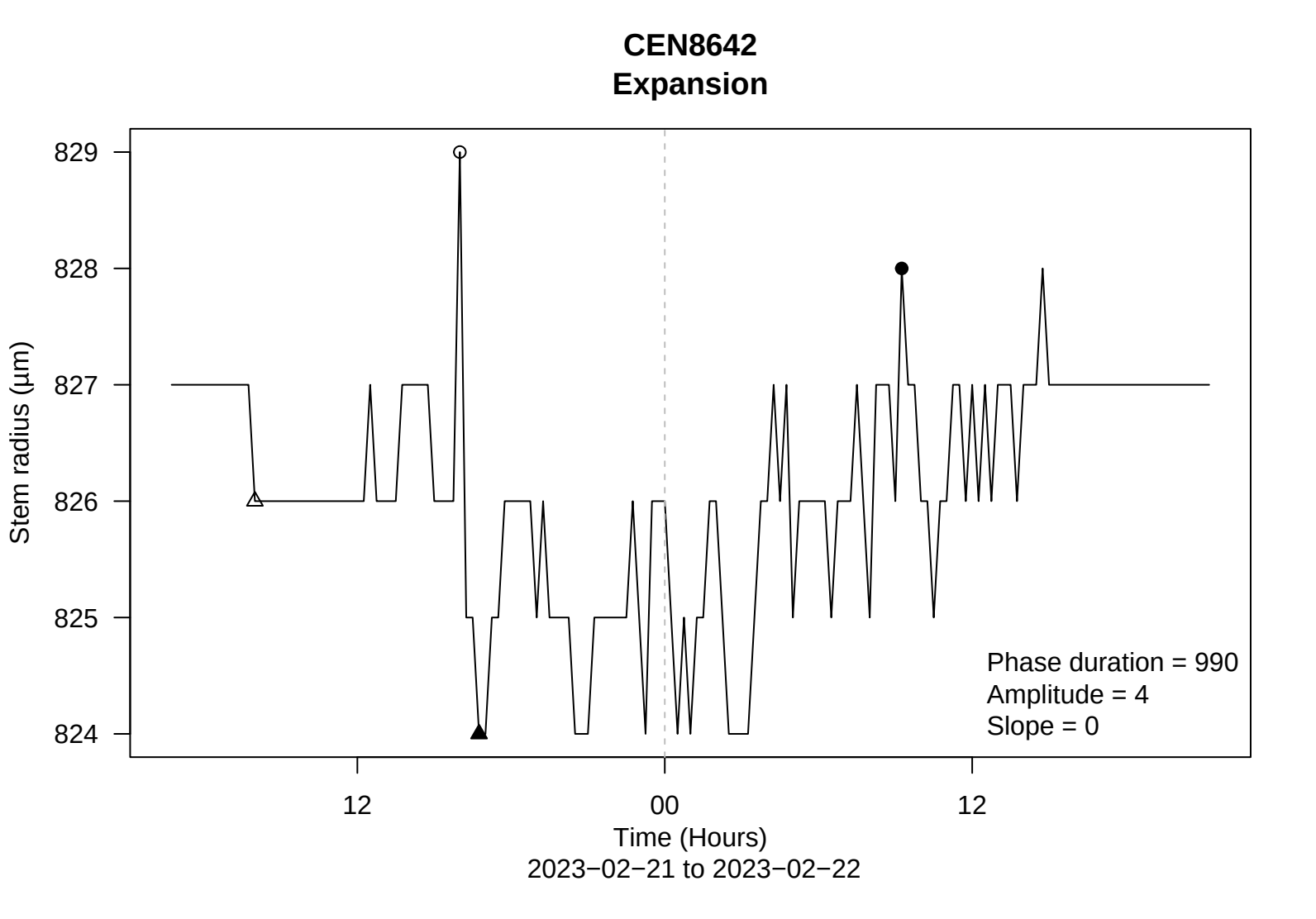

CEN8642
Expansion
828
827
826
825
824
Stem radius (µm)
12
18
00
06
12
Time (Hours)
2023−02−16 to 2023−02−17
Phase duration = 270
Amplitude = 4
Slope = 2e−04

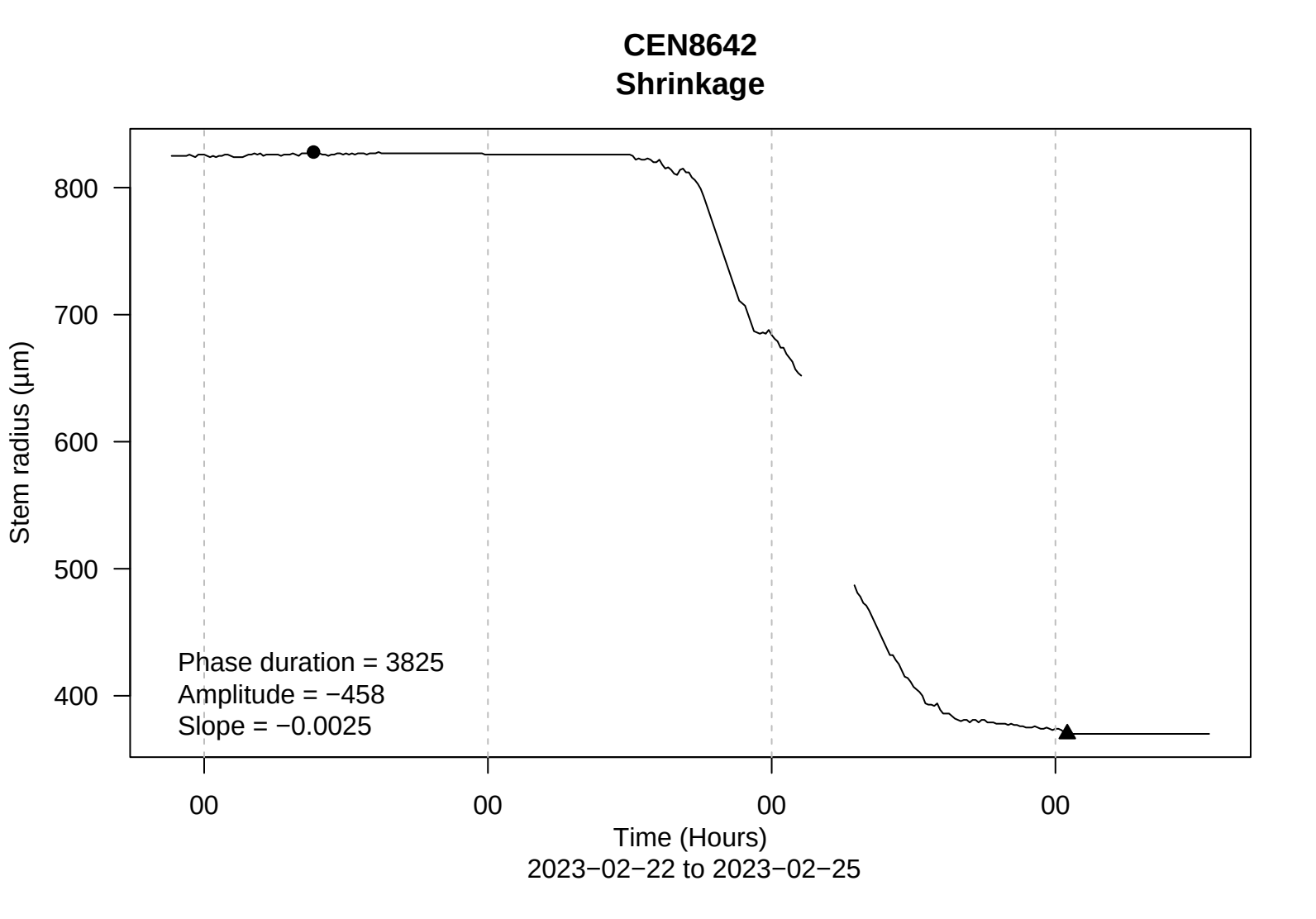

CEN8642
Shrinkage
828
827
826
825
824
823
822
821
Stem radius (µm)
Phase duration = 795
Amplitude = −7
Slope = −1e−04
00
12
00
Time (Hours)
2023−02−17 to 2023−02−17

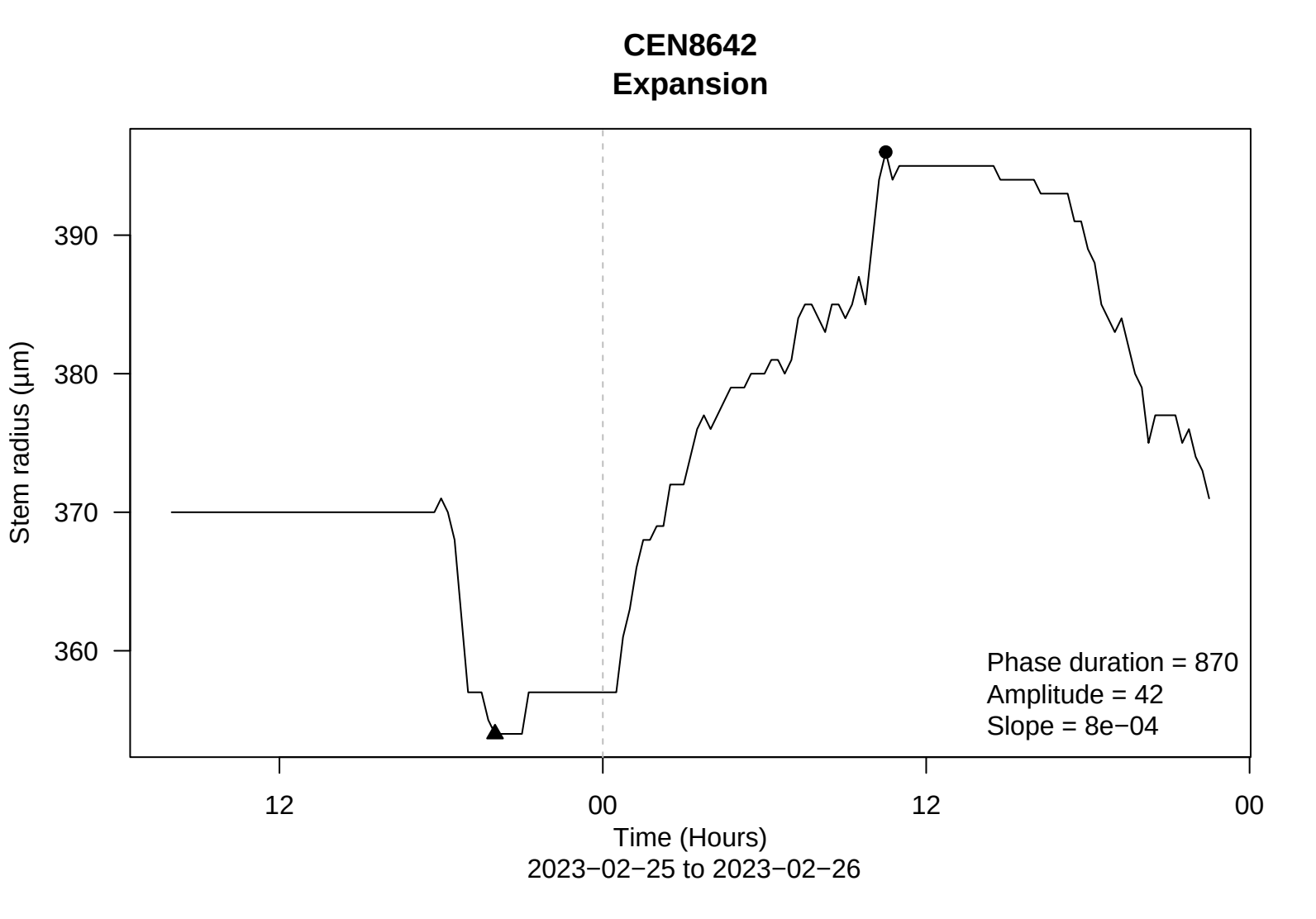

CEN8642
Expansion
828
826
824
822
Stem radius (µm)
Phase duration = 780
Amplitude = 8
Slope = 1e−04
12
00
12
Time (Hours)
2023−02−17 to 2023−02−18

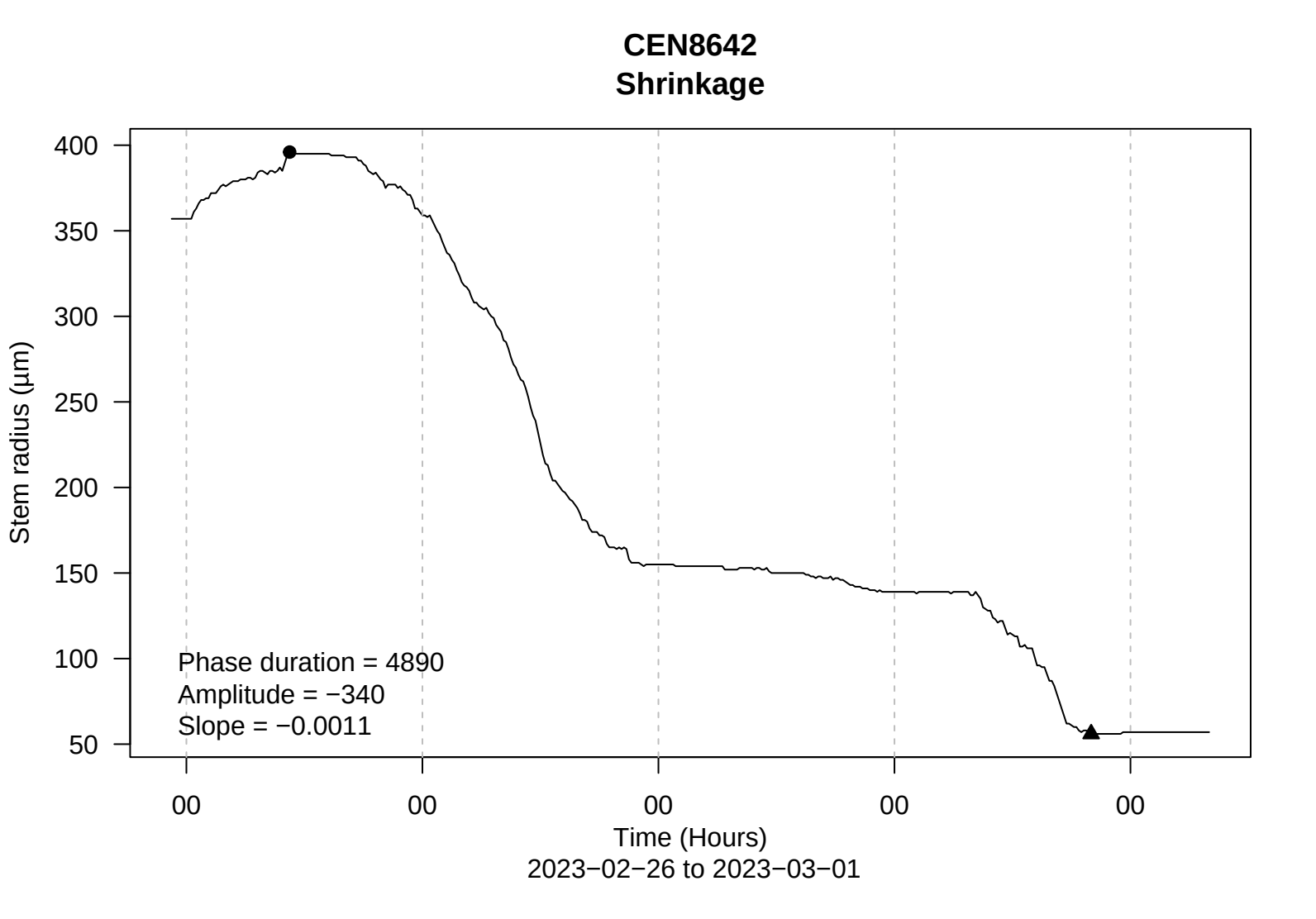

CEN8642
Shrinkage
829
828
827
826
825
824
Stem radius (µm)
Phase duration = 600
Amplitude = −3
Slope = 0
12
00
12
Time (Hours)
2023−02−20 to 2023−02−21

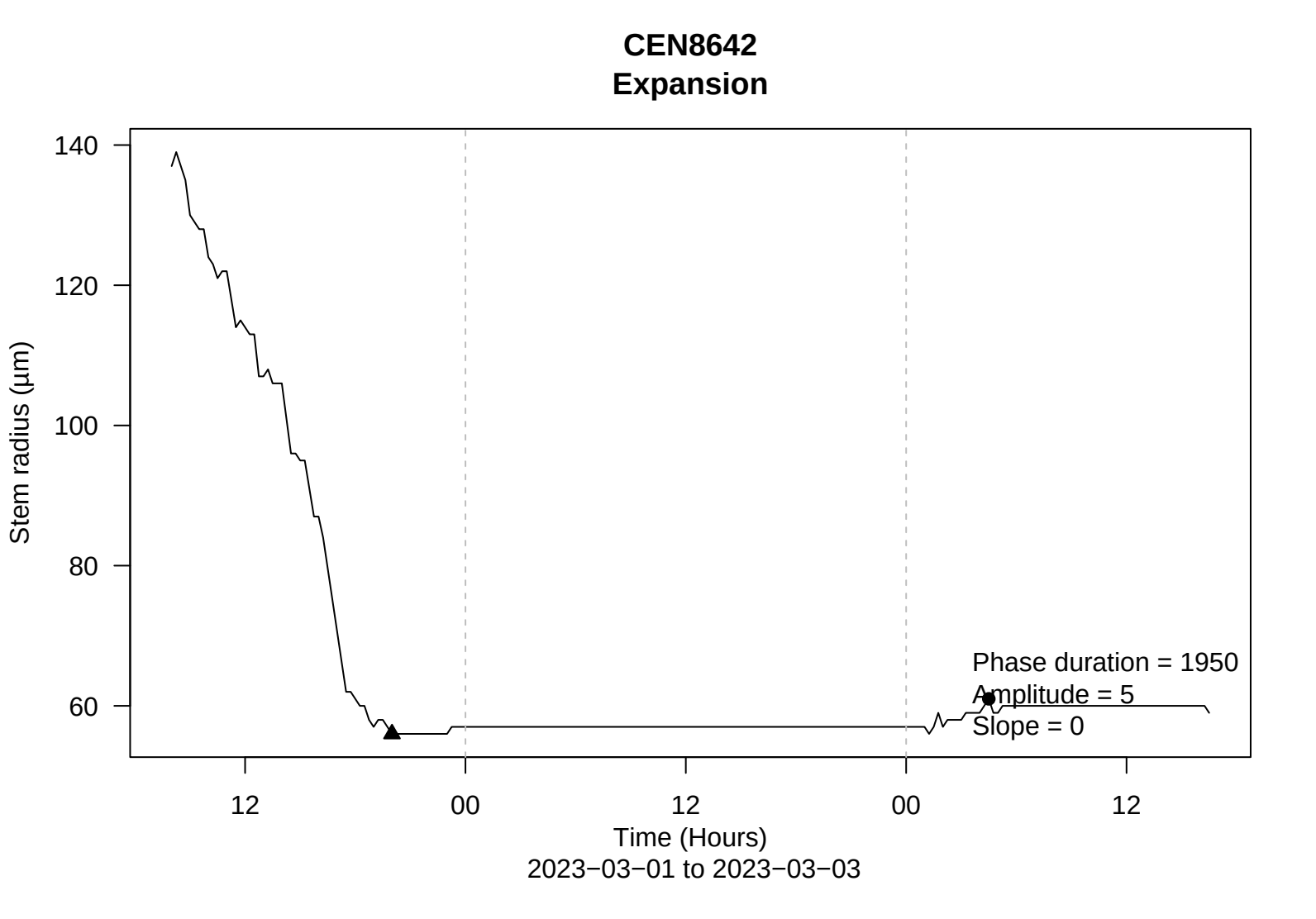

CEN8642
Expansion
Stem radius (µm)
829
828
827
826
825
824
00
06
12
18
00
Time (Hours)
2023−02−21 to 2023−02−21
Phase duration = 480
Amplitude = 3
Slope = 0

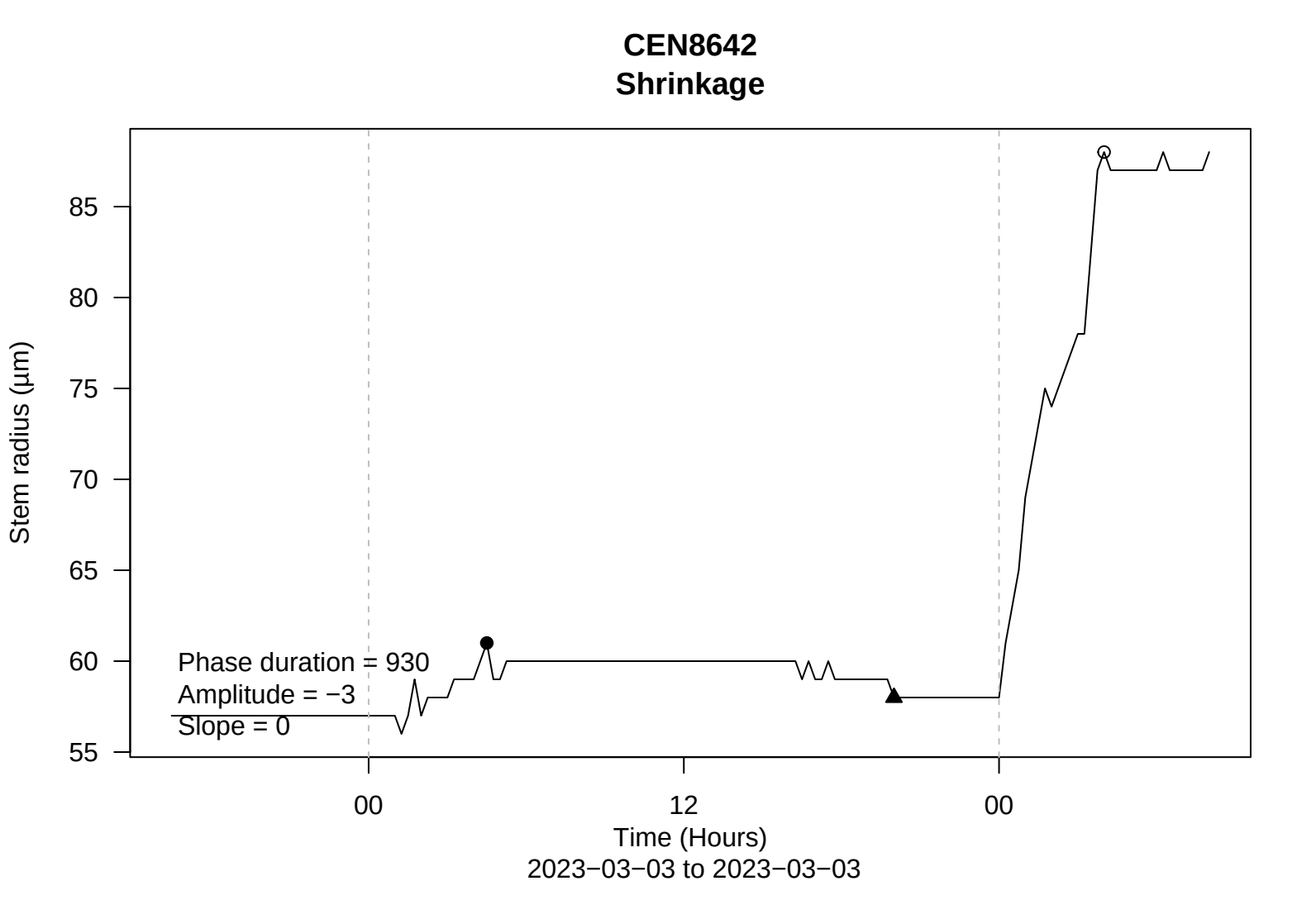

CEN8642
Expansion
829
828
827
826
825
824
Stem radius (µm)
12
00
12
Time (Hours)
2023−02−21 to 2023−02−22
Phase duration = 990
Amplitude = 4
Slope = 0

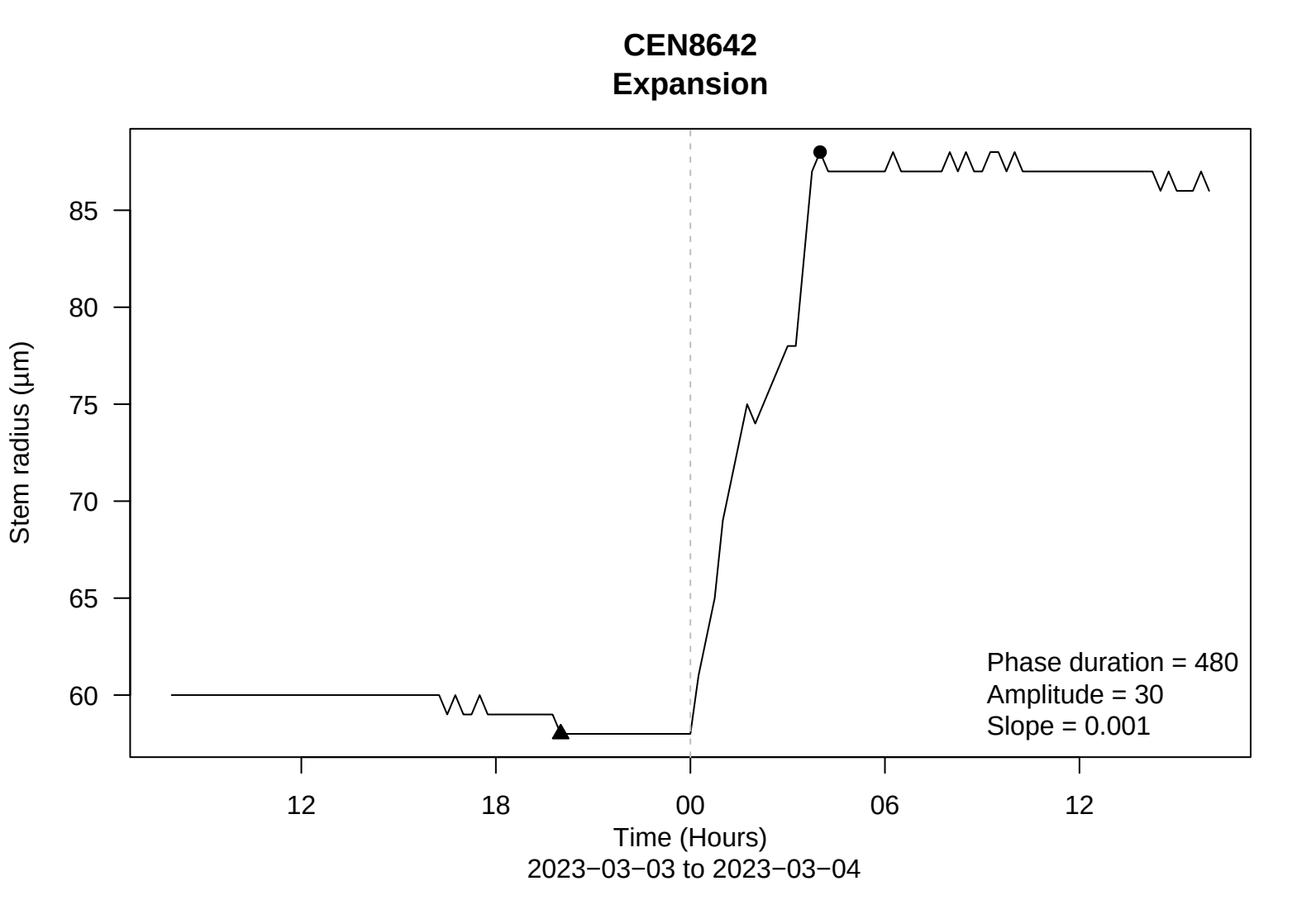

CEN8642
Shrinkage
800
700
600
500
400
Stem radius (µm)
Phase duration = 3825
Amplitude = −458
Slope = −0.0025
00
00
00
00
Time (Hours)
2023−02−22 to 2023−02−25

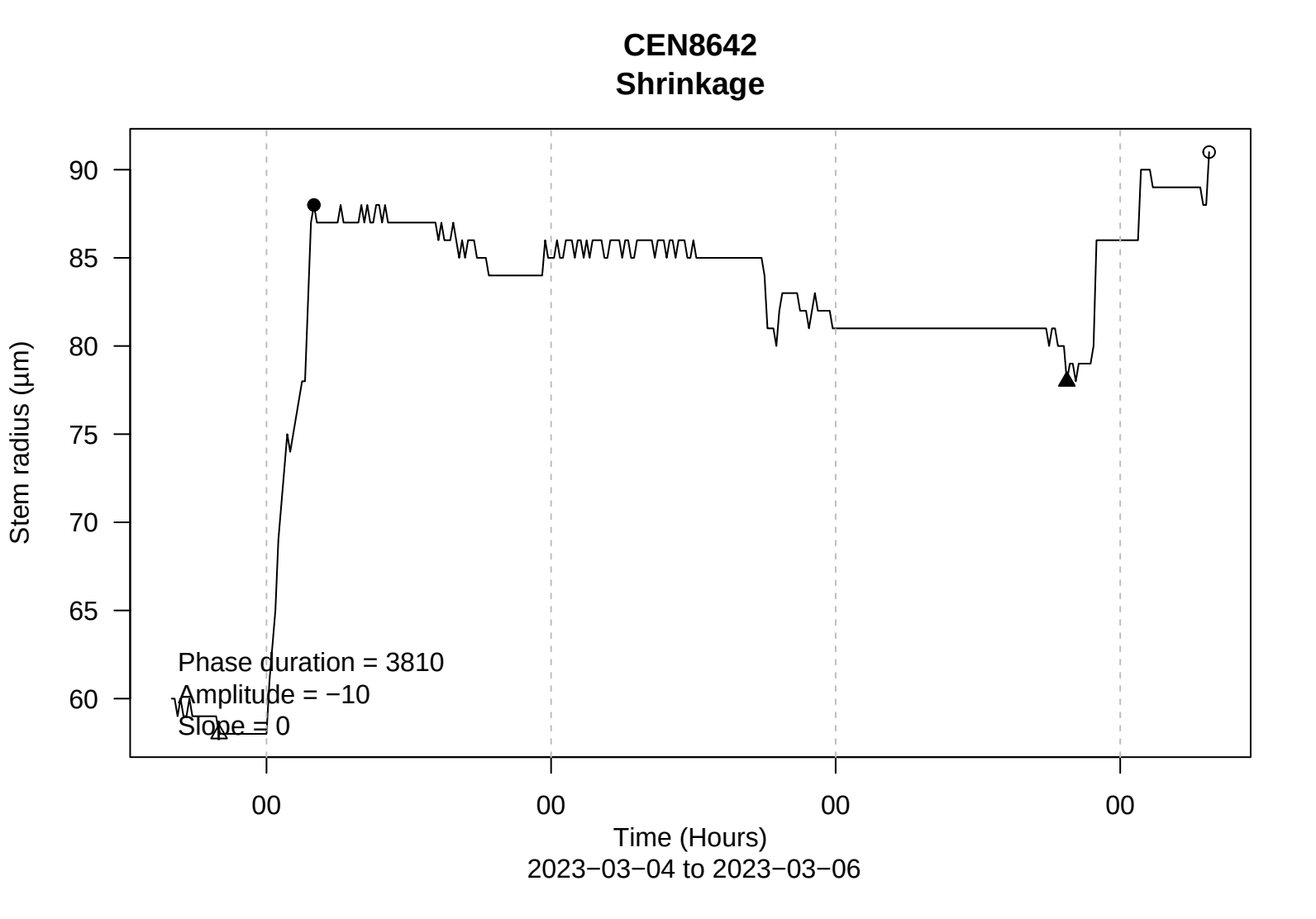

CEN8642
Expansion
390
380
370
360
Stem radius (µm)
Phase duration = 870
Amplitude = 42
Slope = 8e−04
12
00
12
00
Time (Hours)
2023−02−25 to 2023−02−26

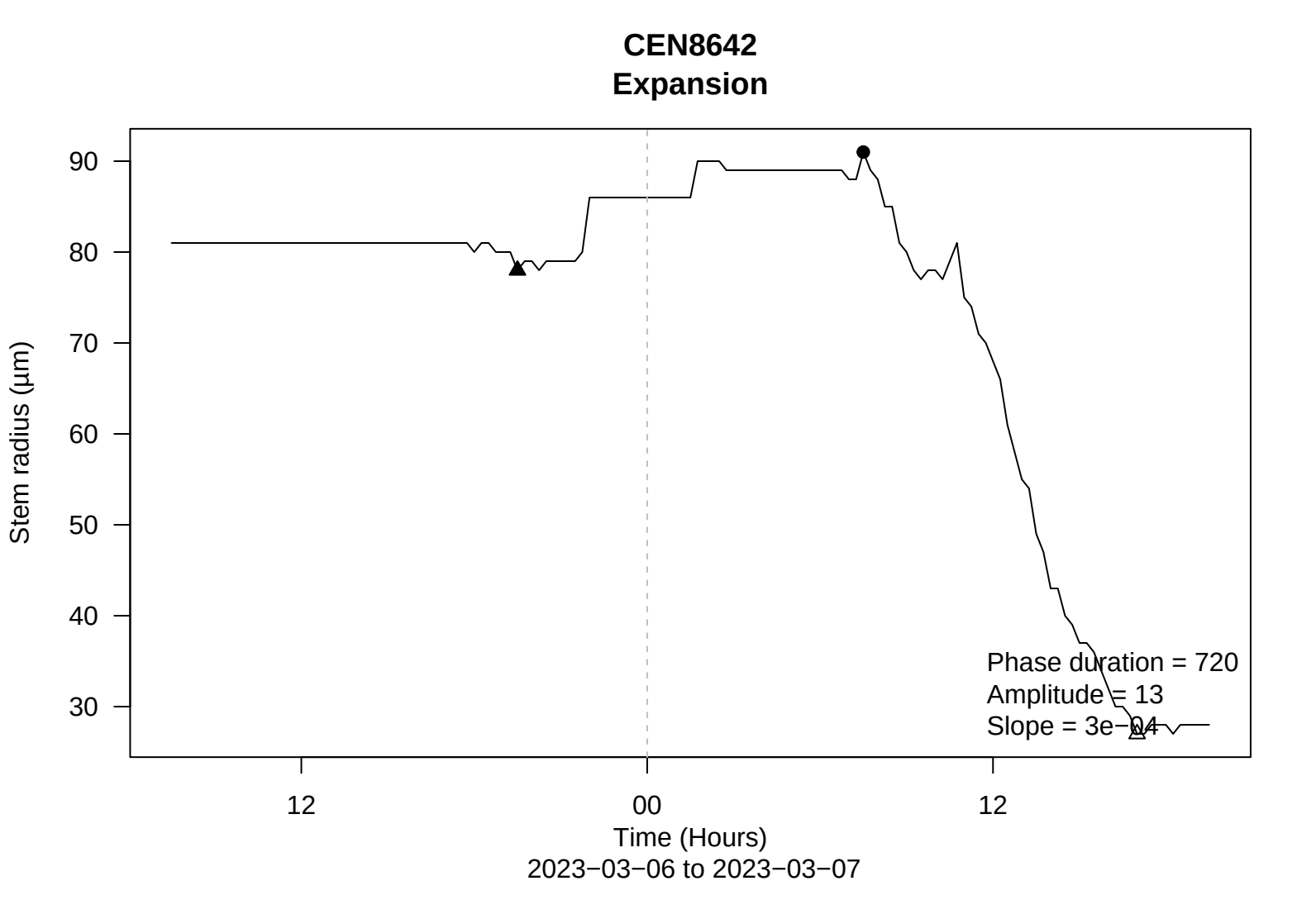

CEN8642
Shrinkage
Stem radius (µm)
400
350
300
250
200
150
100
50
Phase duration = 4890
Amplitude = −340
Slope = −0.0011
00
00
00
00
00
Time (Hours)
2023−02−26 to 2023−03−01

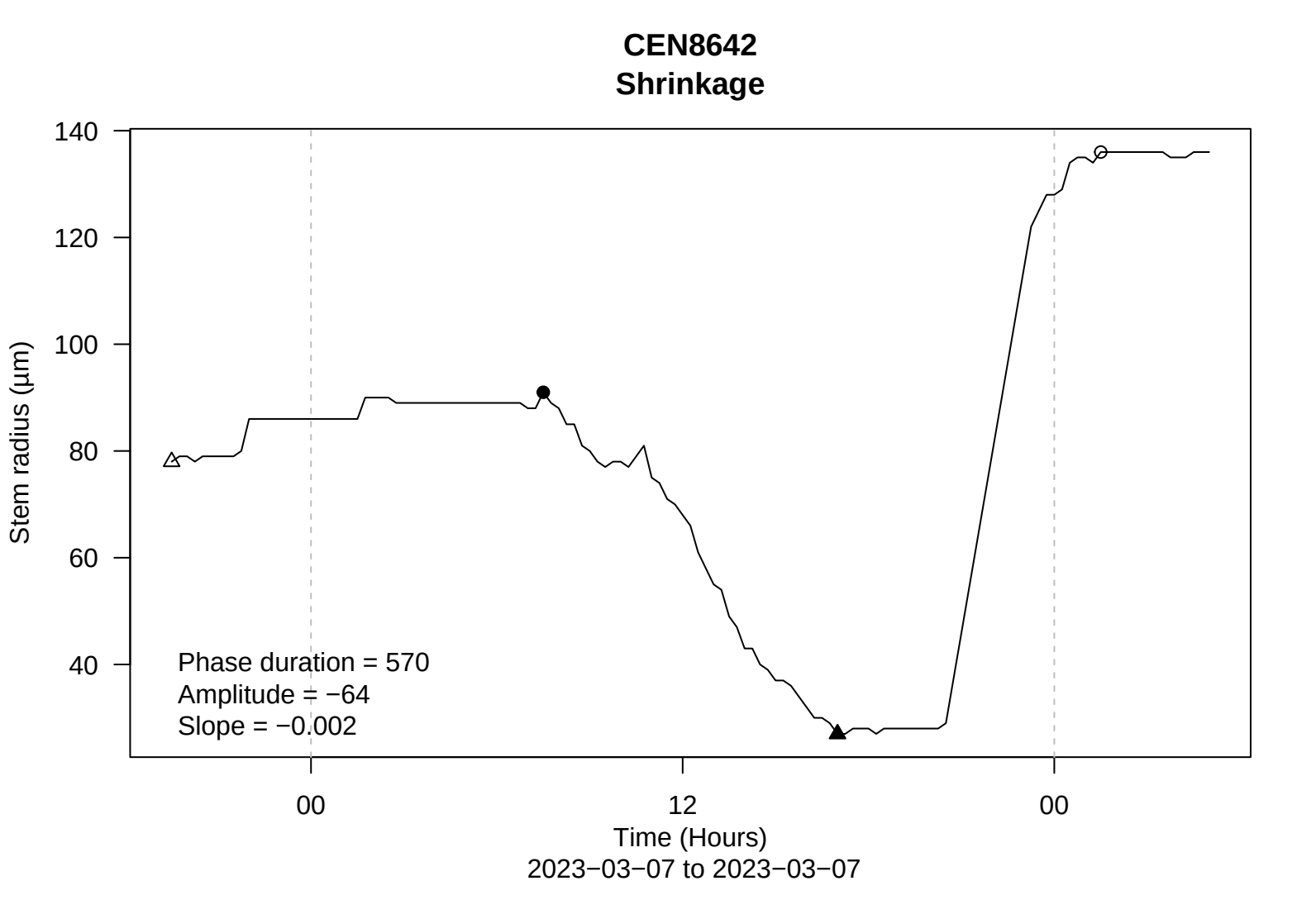

CEN8642
Expansion
140
120
100
80
60
Stem radius (µm)
Phase duration = 1950
Amplitude = 5
Slope = 0
12
00
12
00
12
Time (Hours)
2023−03−01 to 2023−03−03

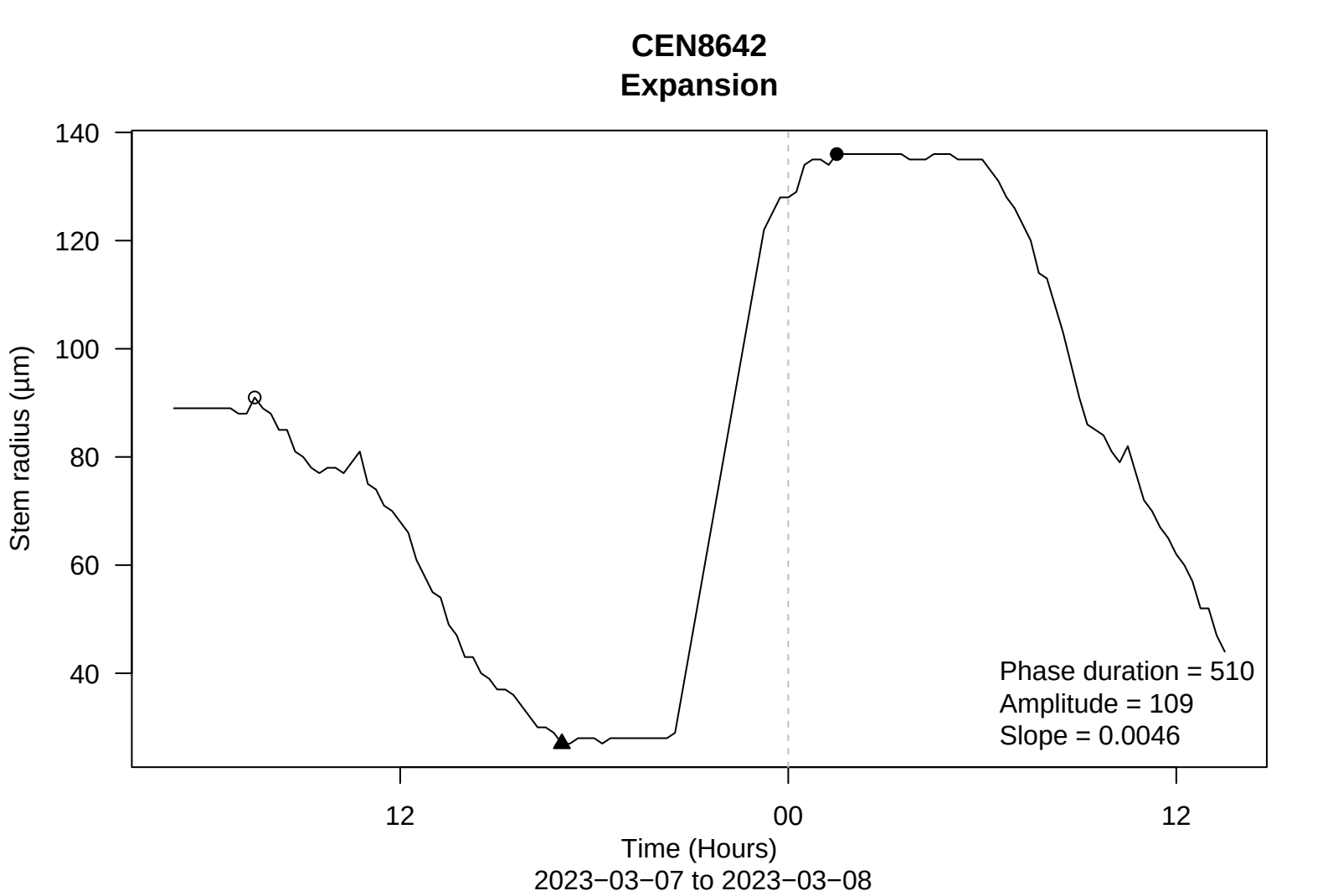

CEN8642
Shrinkage
Stem radius (µm)
85
80
75
70
65
60
55
Phase duration = 930
Amplitude = −3
Slope = 0
00
12
00
Time (Hours)
2023−03−03 to 2023−03−03

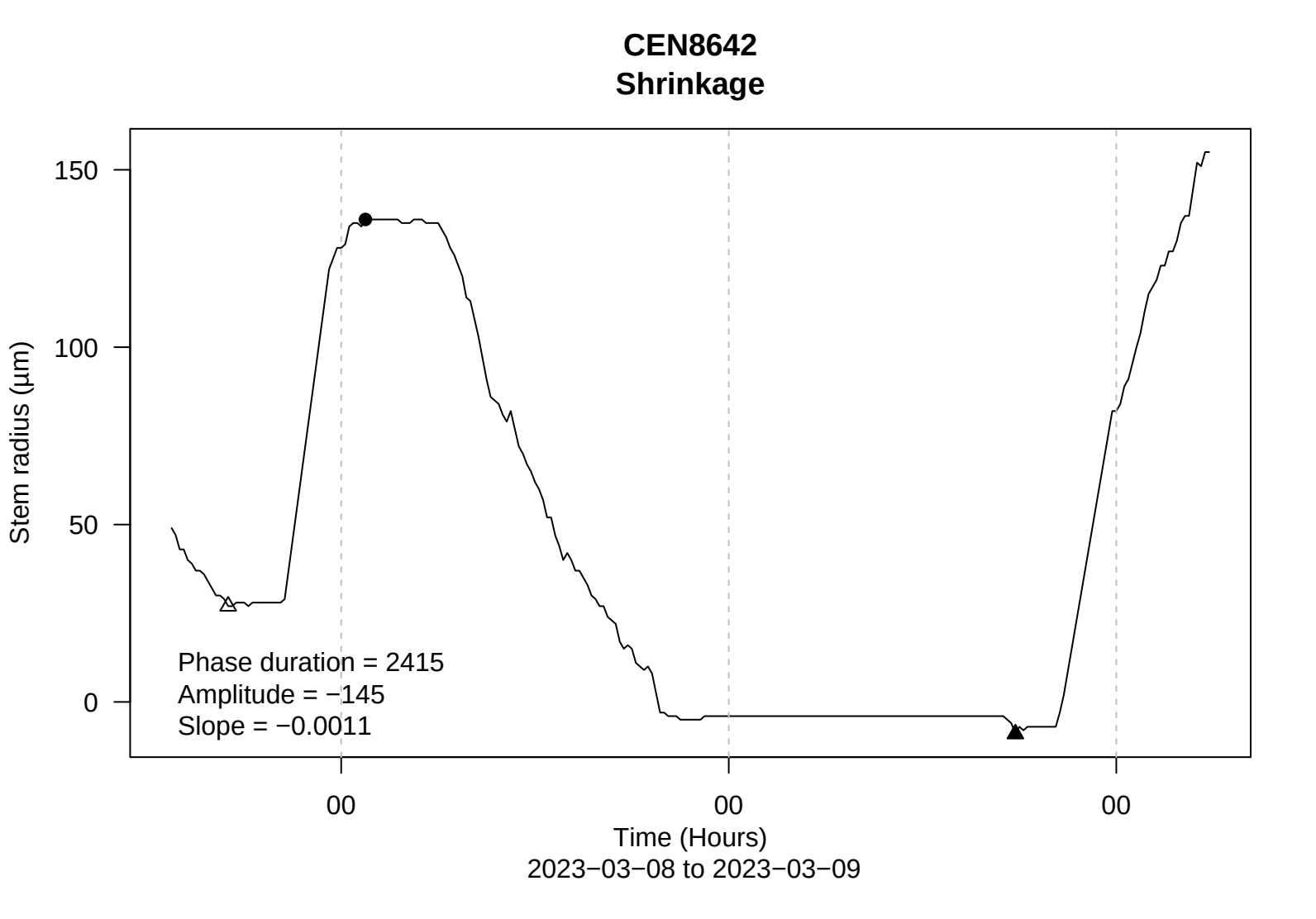

CEN8642
Expansion
Stem radius (µm)
85
80
75
70
65
60
12
18
00
06
12
Time (Hours)
2023−03−03 to 2023−03−04
Phase duration = 480
Amplitude = 30
Slope = 0.001

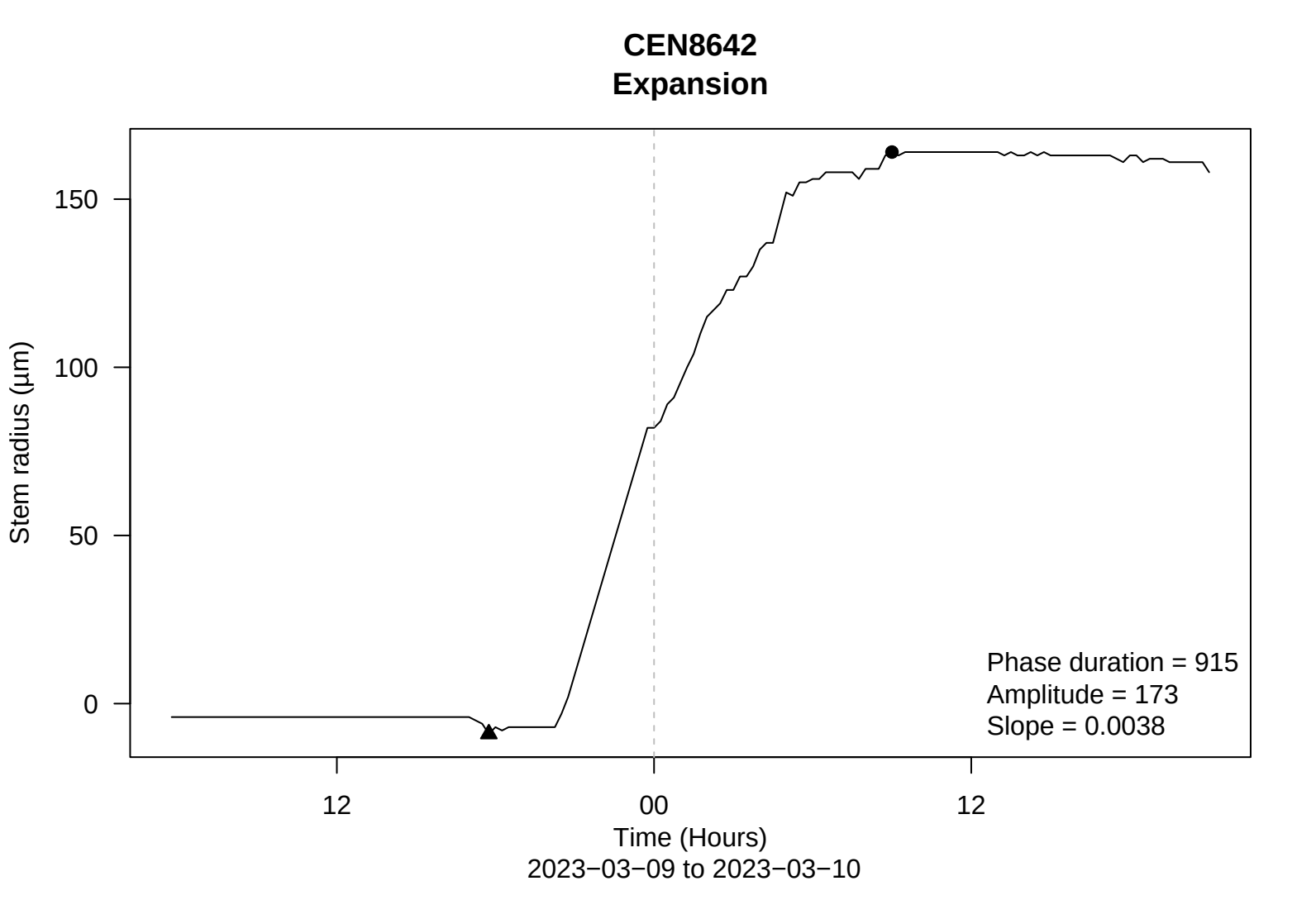

CEN8642
Shrinkage
Stem radius (µm)
90
85
80
75
70
65
60
Phase duration = 3810
Amplitude = −10
Slope = 0
00
00
00
00
Time (Hours)
2023−03−04 to 2023−03−06

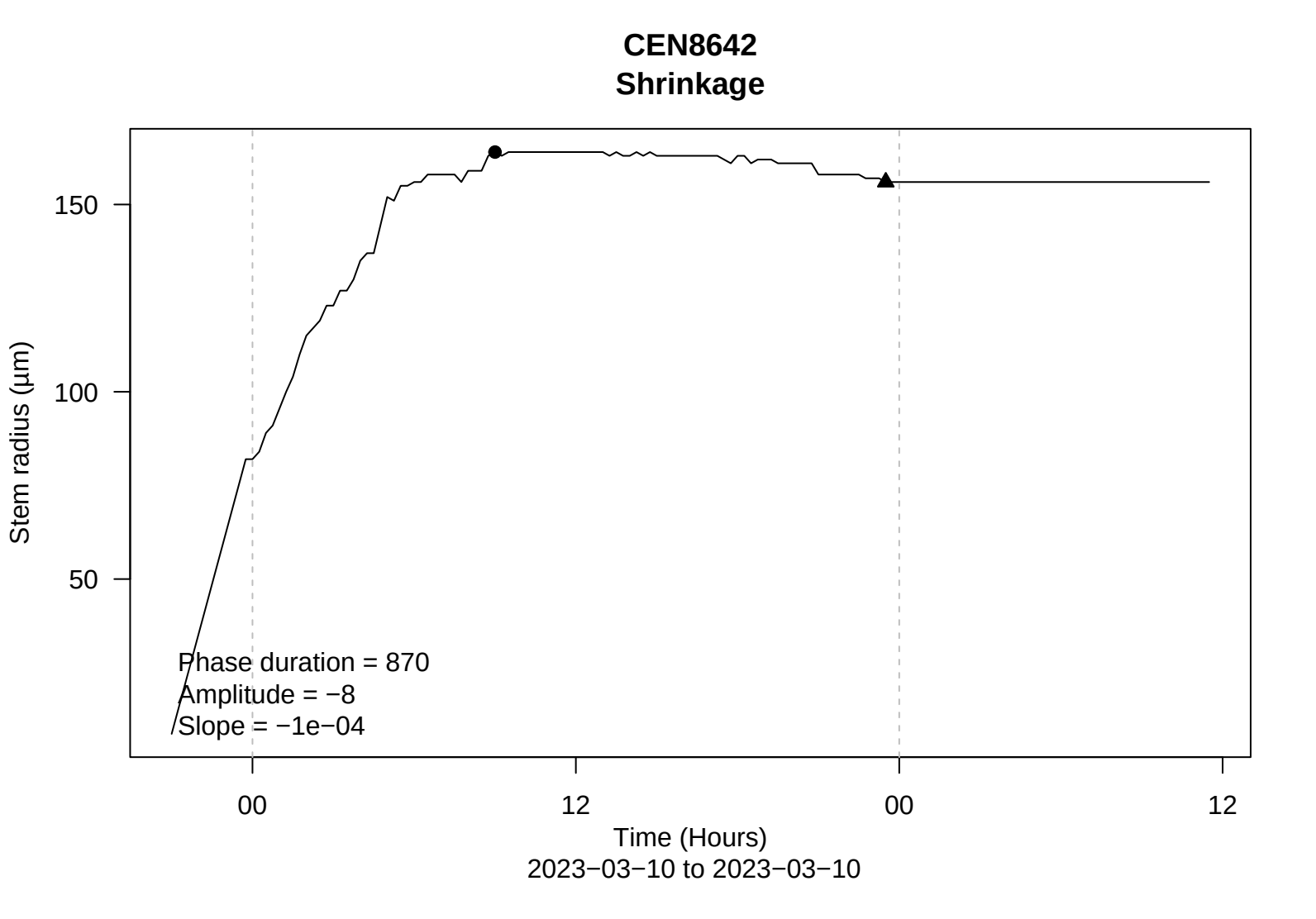

CEN8642
Expansion
90
80
70
60
50
40
30
Stem radius (µm)
12
00
12
Time (Hours)
2023−03−06 to 2023−03−07
Phase duration = 720
Amplitude = 13
Slope = 3e−04

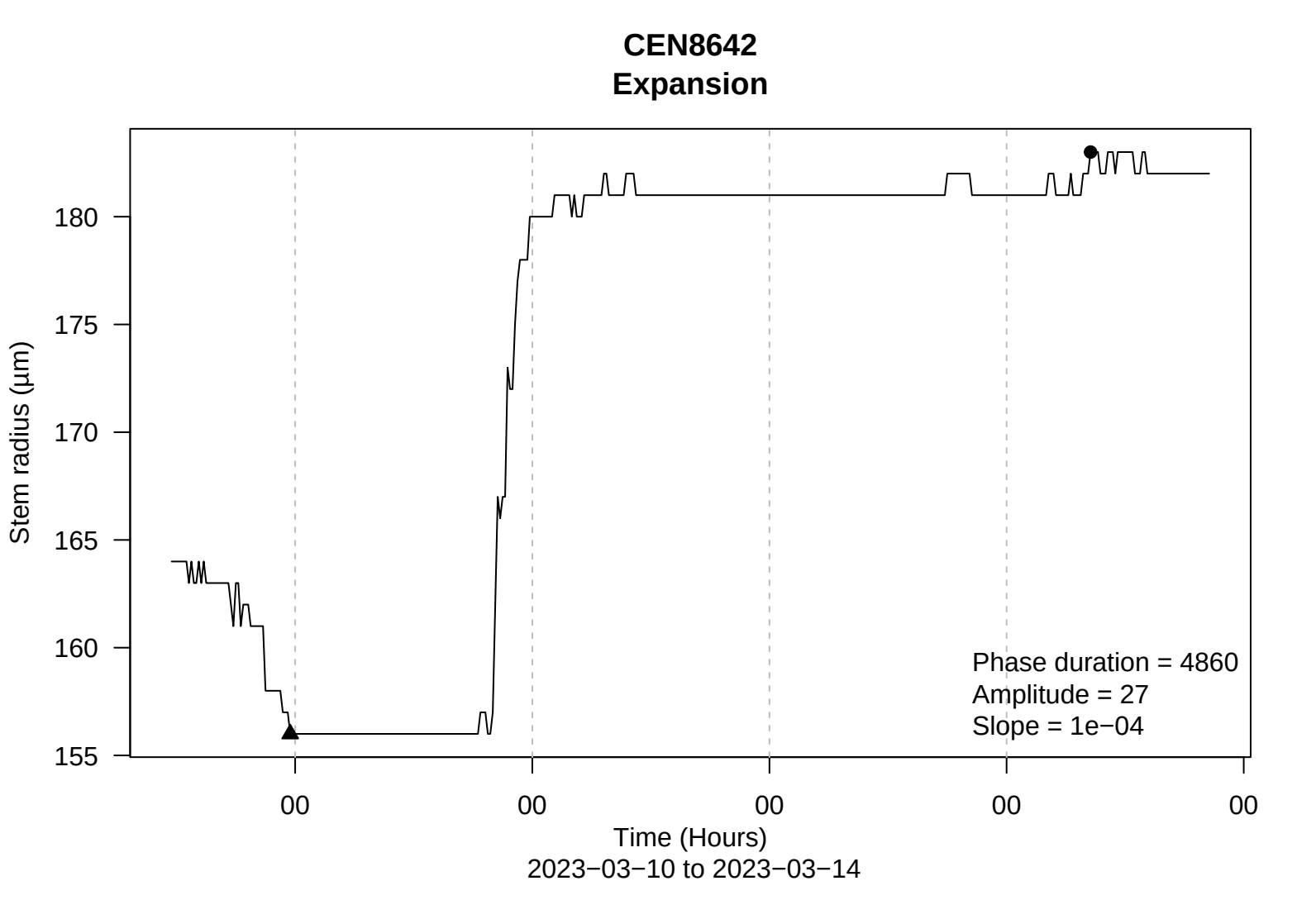

CEN8642
Shrinkage
140
120
100
80
60
40
Stem radius (µm)
Phase duration = 570
Amplitude = −64
Slope = −0.002
00
12
00
Time (Hours)
2023−03−07 to 2023−03−07

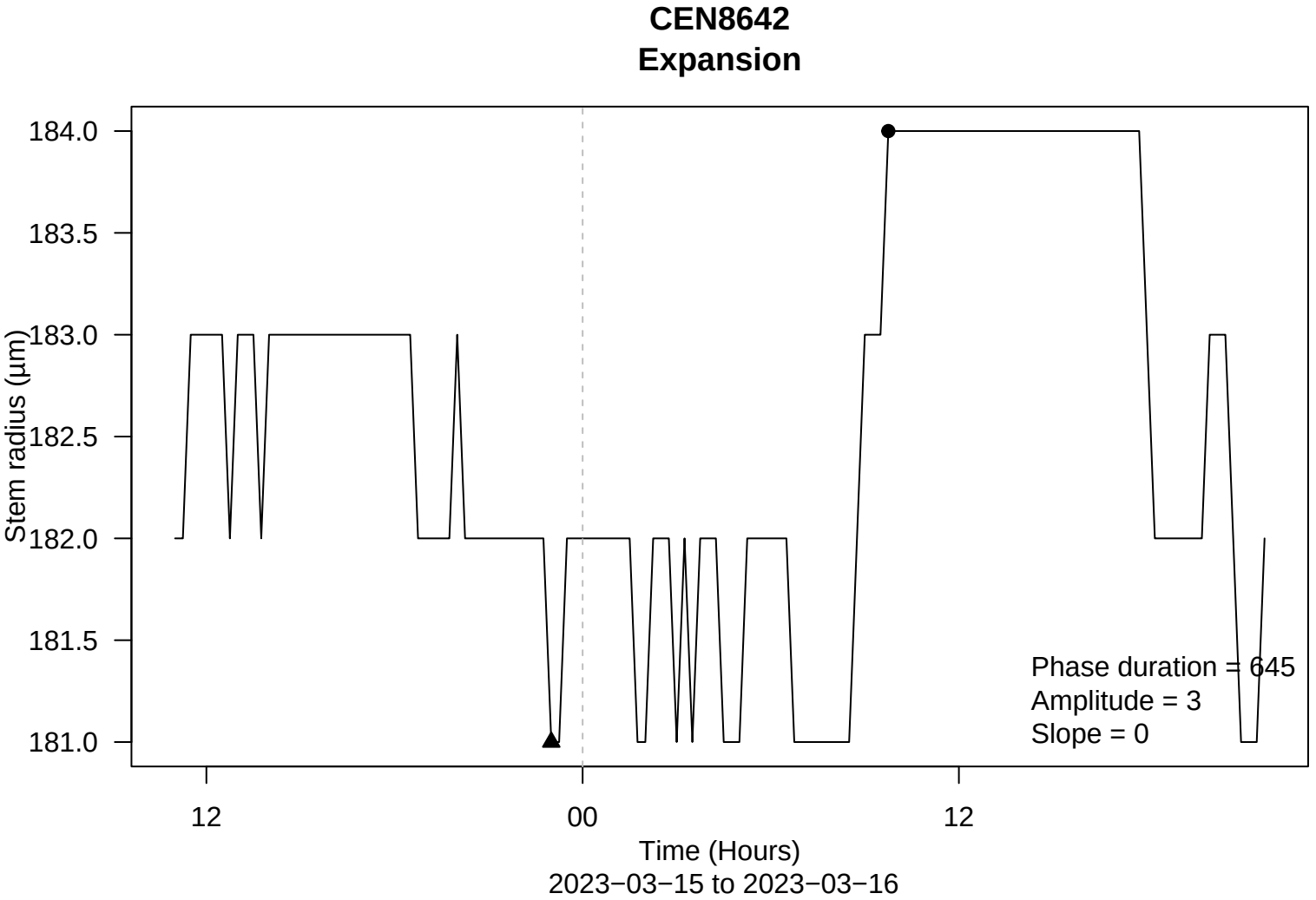

CEN8642
Expansion
140
120
100
80
60
40
Stem radius (µm)
Phase duration = 510
Amplitude = 109
Slope = 0.0046
12
00
12
Time (Hours)
2023−03−07 to 2023−03−08

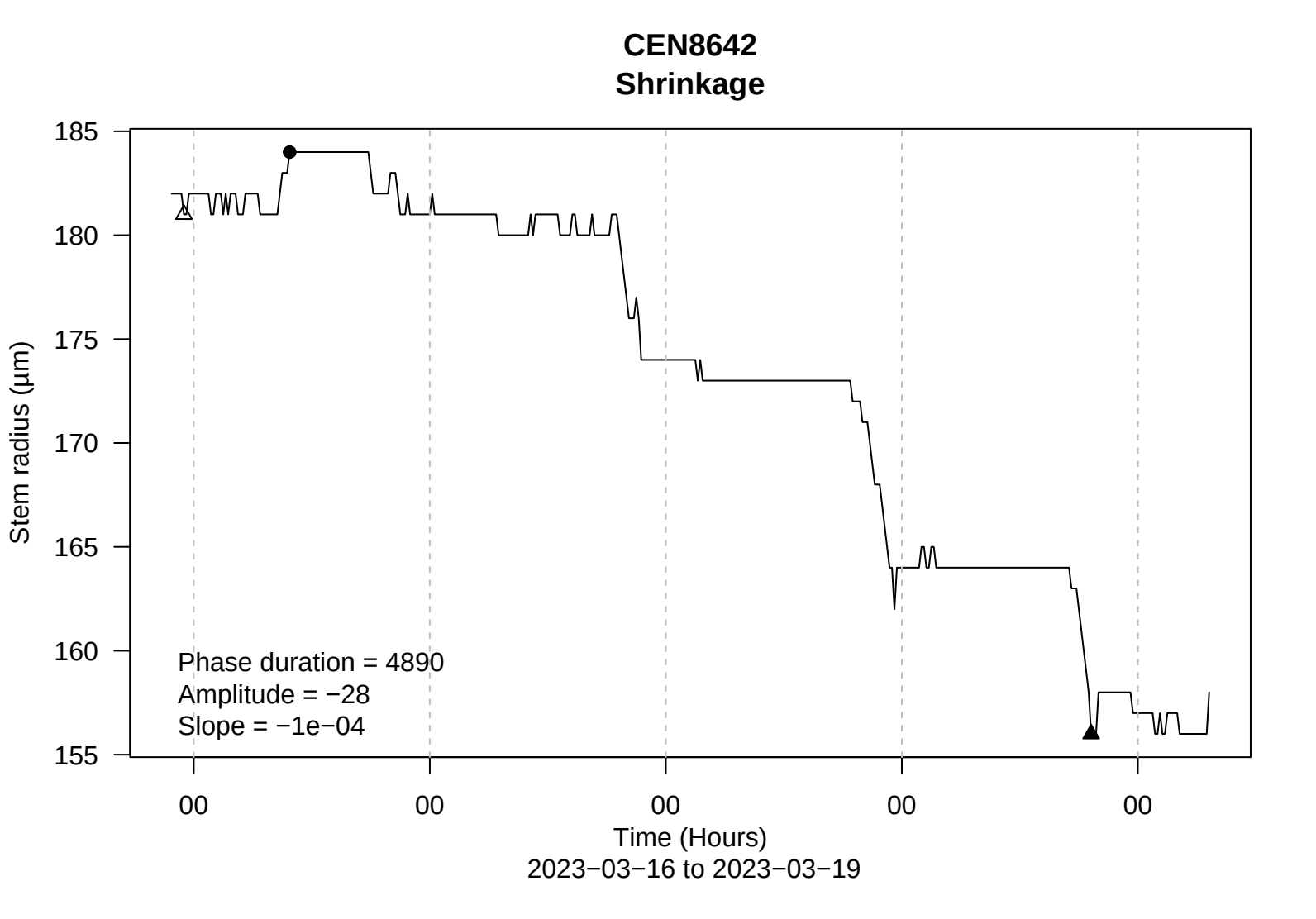

CEN8642
Shrinkage
150
100
50
0
Stem radius (µm)
Phase duration = 2415
Amplitude = −145
Slope = −0.0011
00
00
00
Time (Hours)
2023−03−08 to 2023−03−09

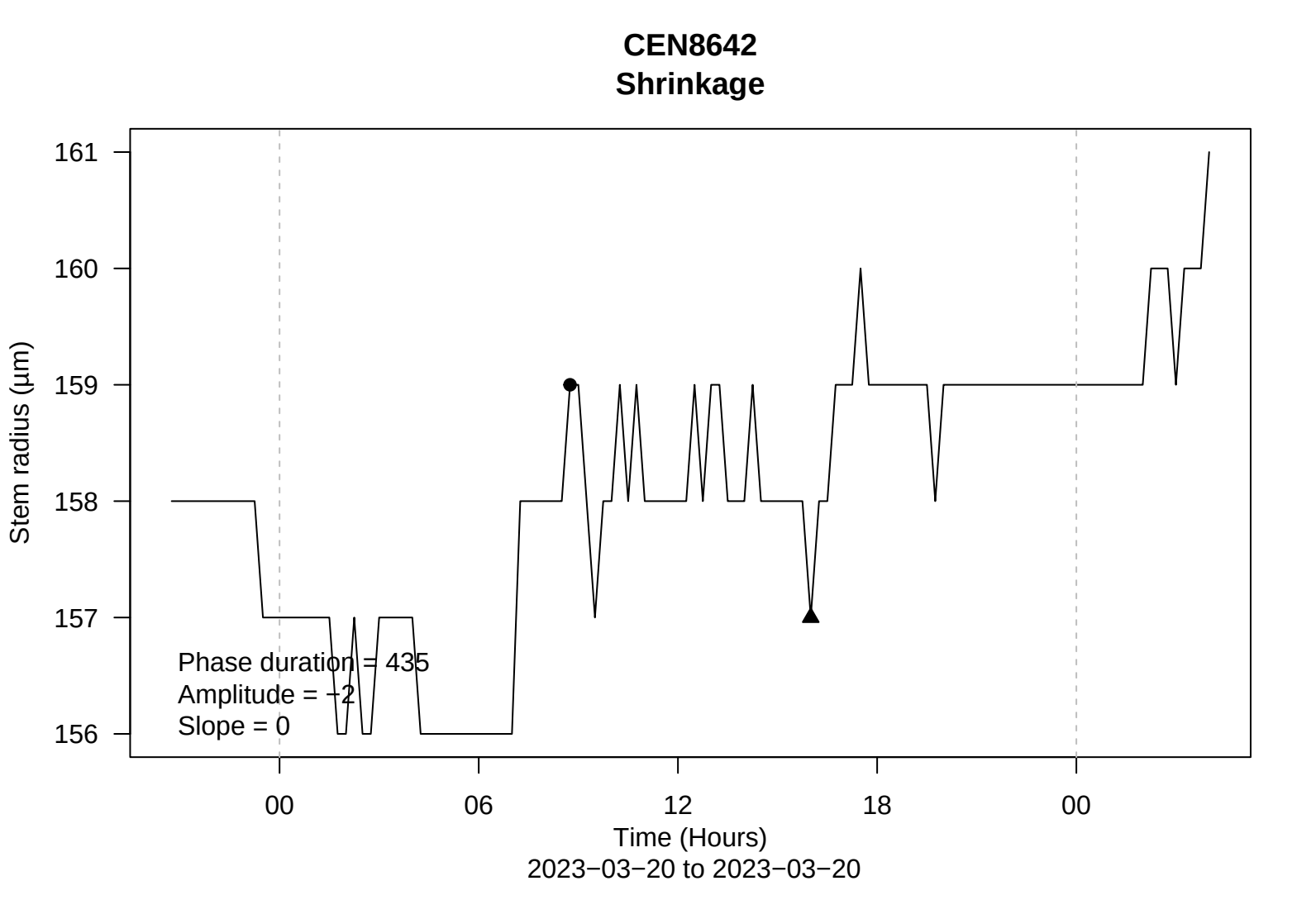

CEN8642
Expansion
150
100
50
0
Stem radius (µm)
Phase duration = 915
Amplitude = 173
Slope = 0.0038
12
00
12
Time (Hours)
2023−03−09 to 2023−03−10

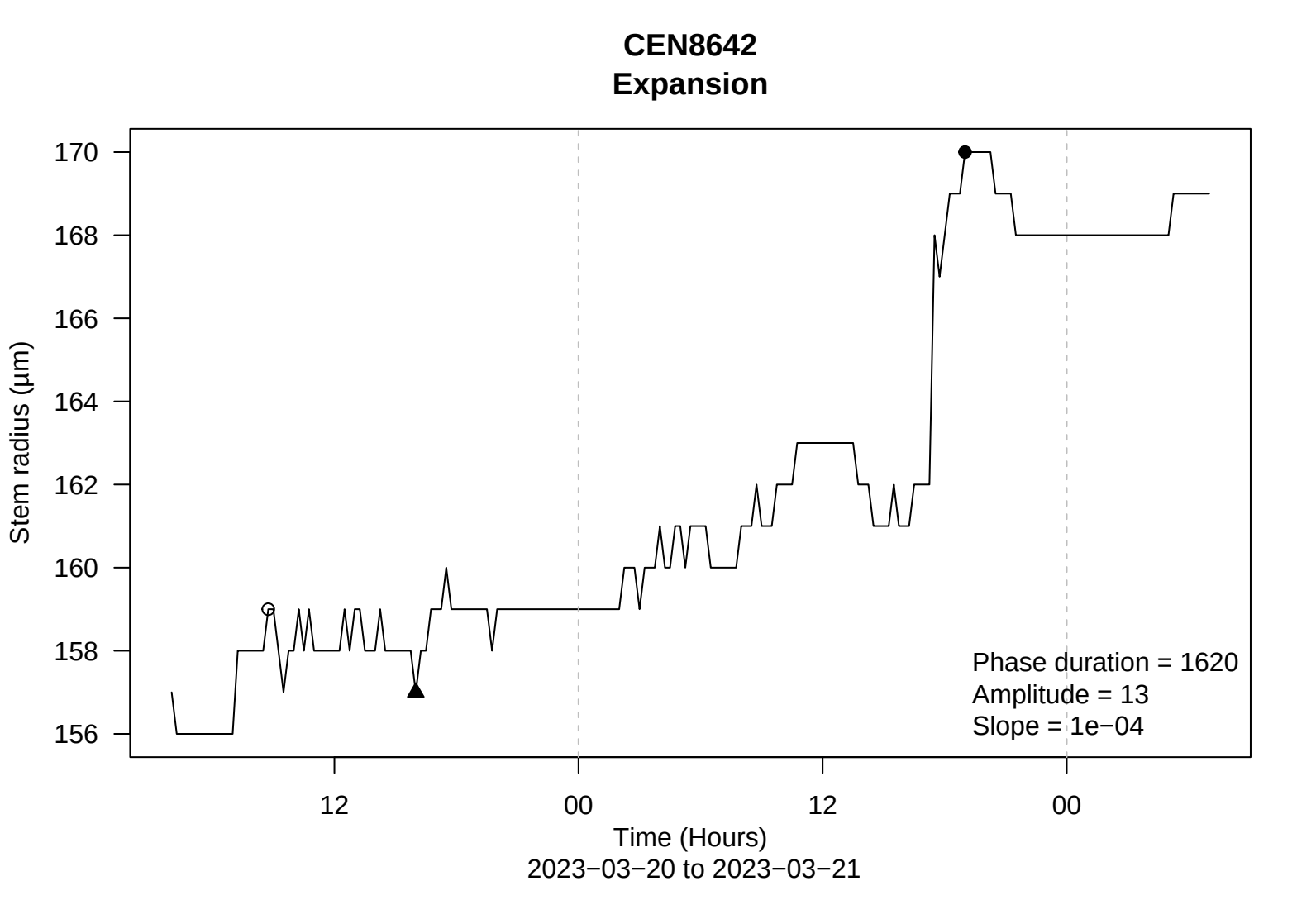

CEN8642
Shrinkage
150
100
50
Stem radius (µm)
Phase duration = 870
Amplitude = −8
Slope = −1e−04
00
12
00
12
Time (Hours)
2023−03−10 to 2023−03−10

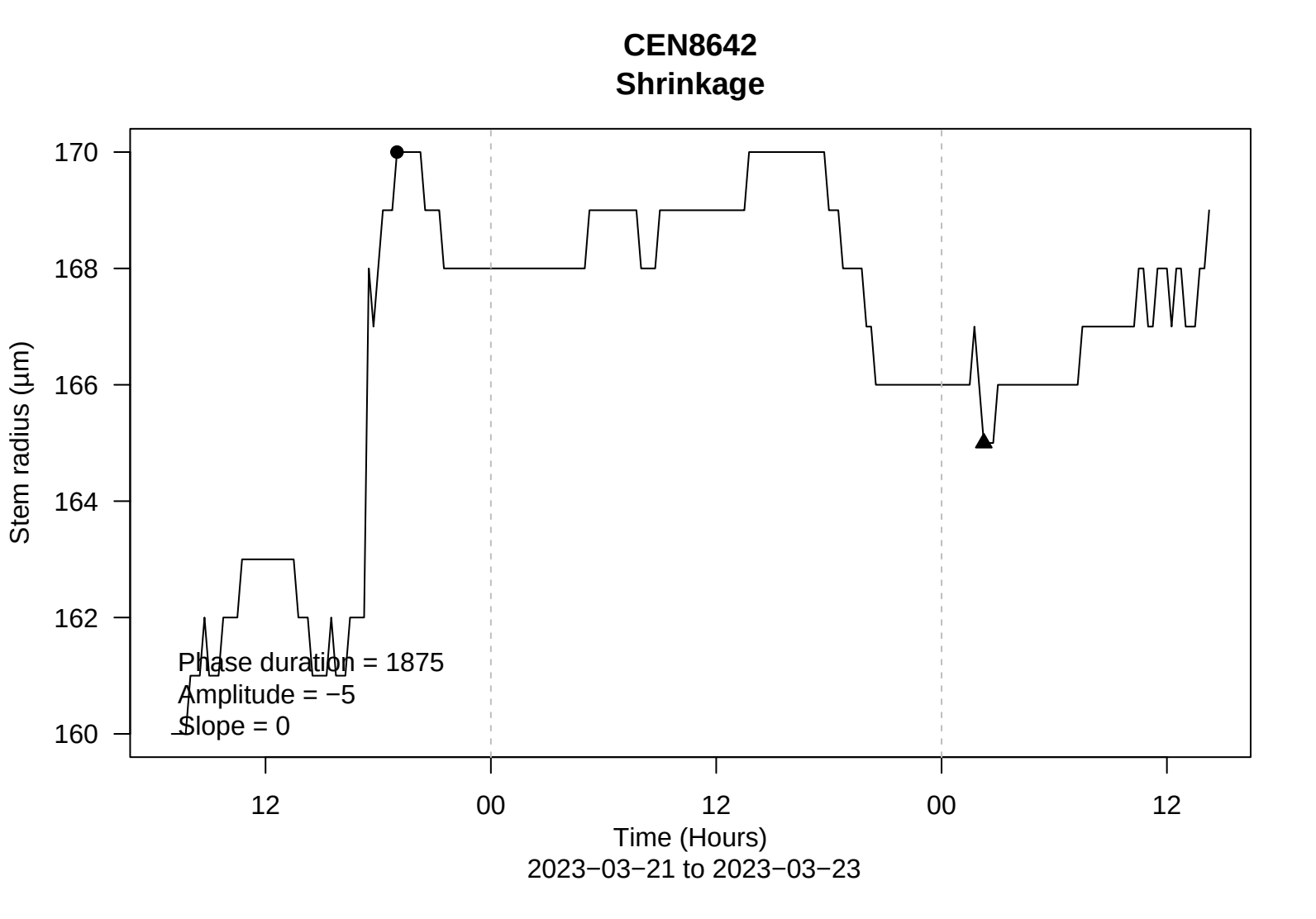

CEN8642
Expansion
Stem radius (µm)
180
175
170
165
160
155
00
00
00
00
00
Time (Hours)
2023−03−10 to 2023−03−14
Phase duration = 4860
Amplitude = 27
Slope = 1e−04

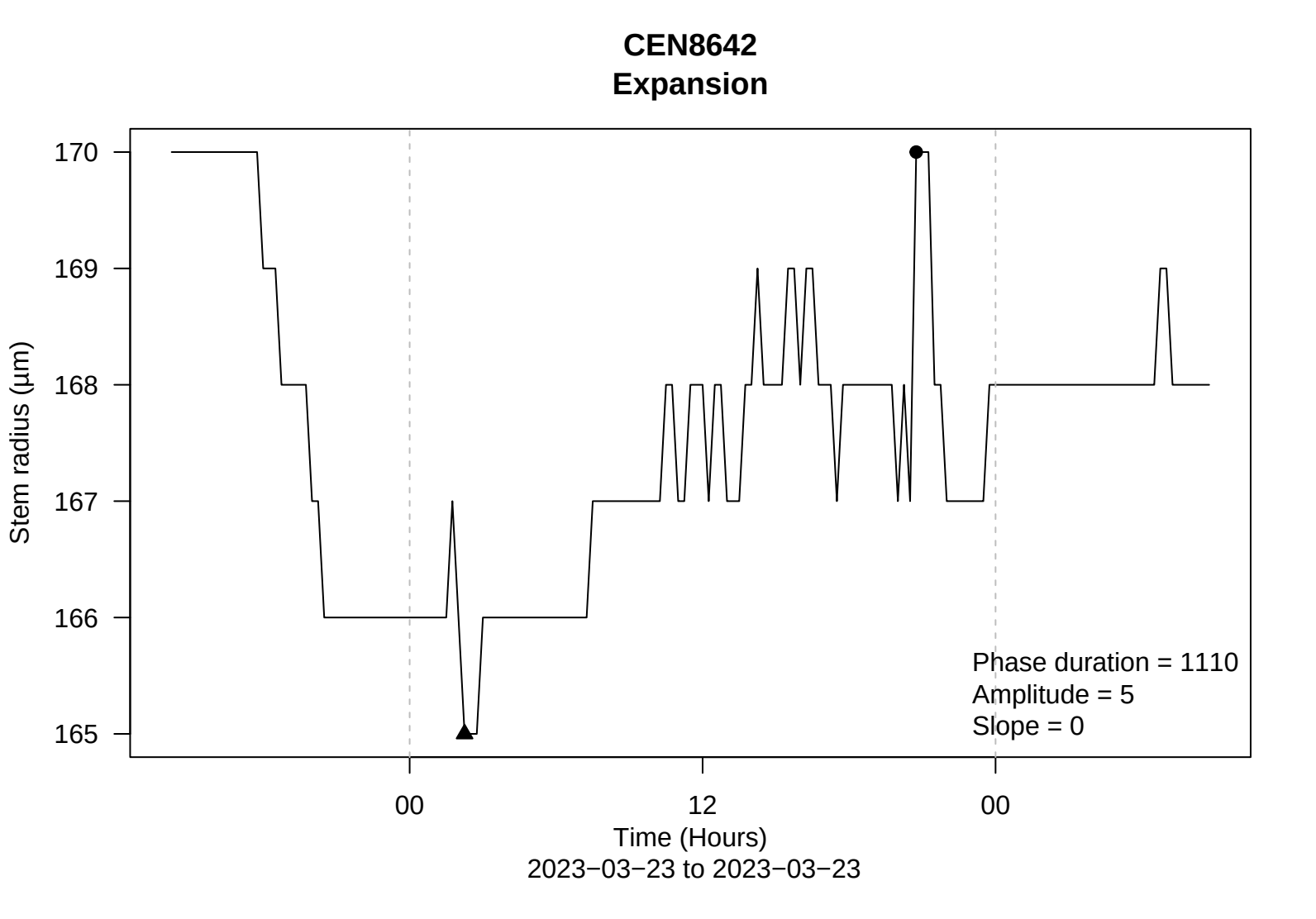

CEN8642
Expansion
184.0
183.5
183.0
182.5
182.0
181.5
181.0
Stem radius (µm)
12
00
12
Time (Hours)
2023−03−15 to 2023−03−16
Phase duration = 645
Amplitude = 3
Slope = 0

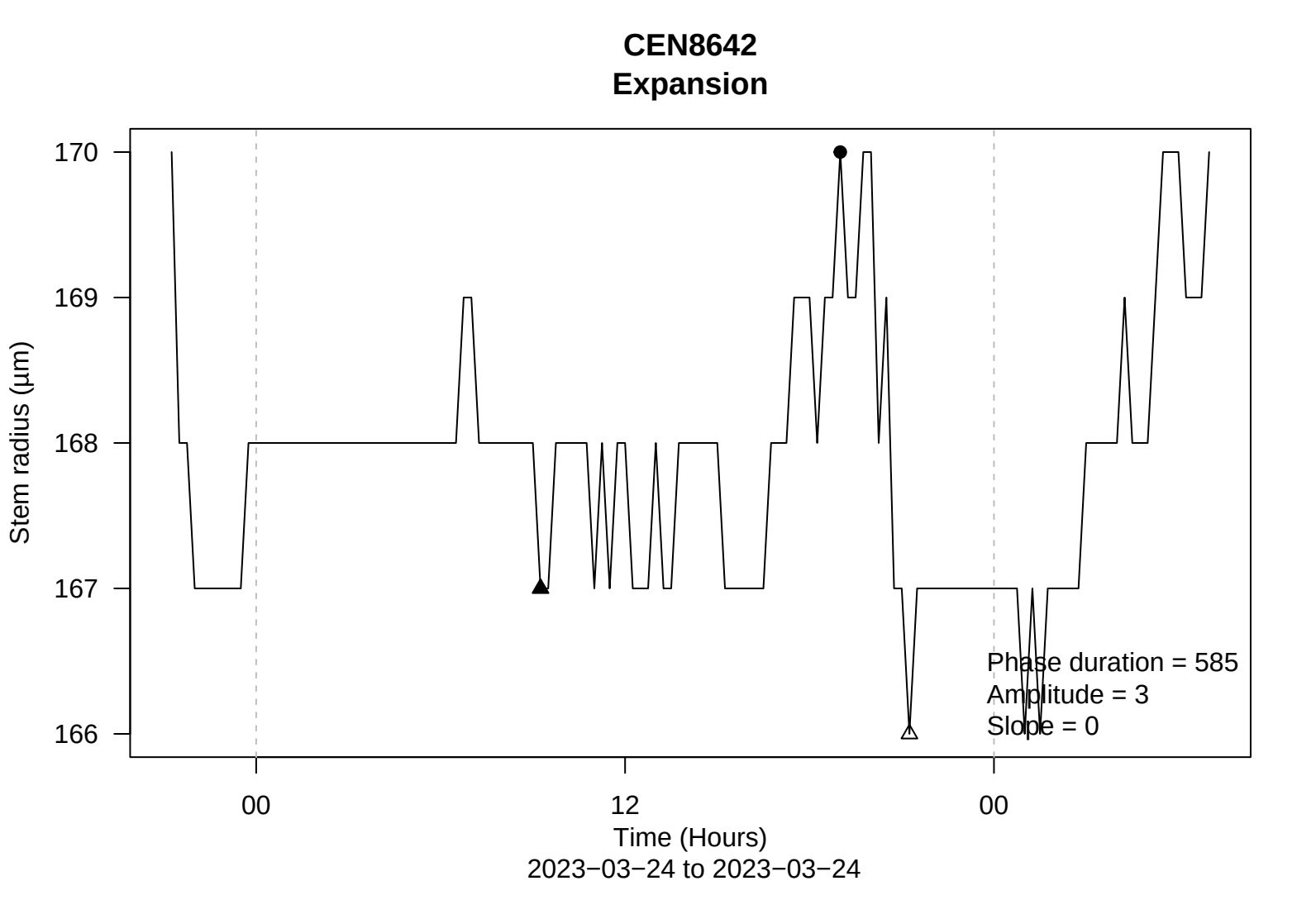

CEN8642
Shrinkage
185
180
175
170
165
160
155
Stem radius (µm)
Phase duration = 4890
Amplitude = −28
Slope = −1e−04
00
00
00
00
00
Time (Hours)
2023−03−16 to 2023−03−19

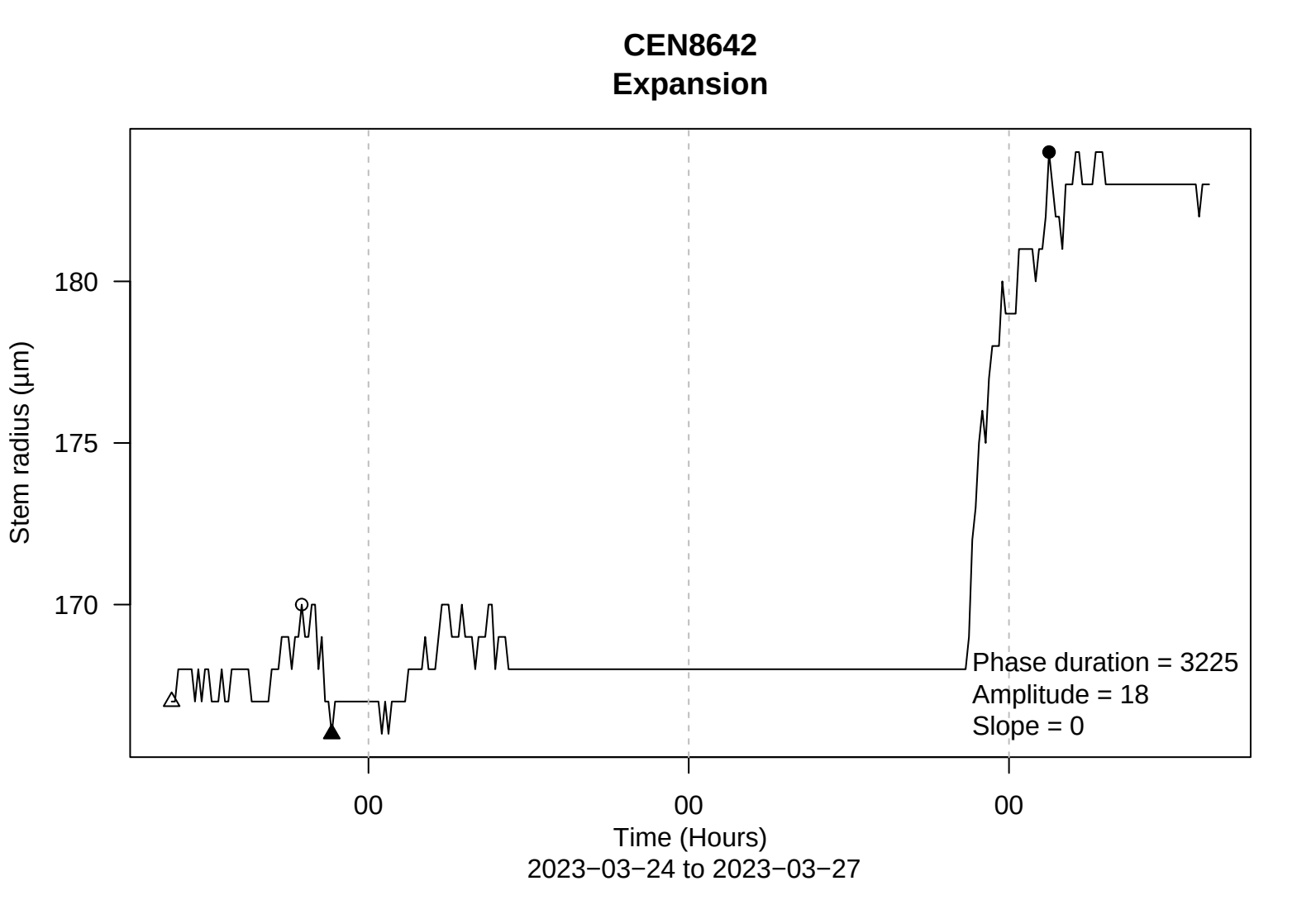

CEN8642
Shrinkage
161
160
159
158
157
156
Stem radius (µm)
Phase duration = 435
Amplitude = −2
Slope = 0
00
06
12
18
00
Time (Hours)
2023−03−20 to 2023−03−20

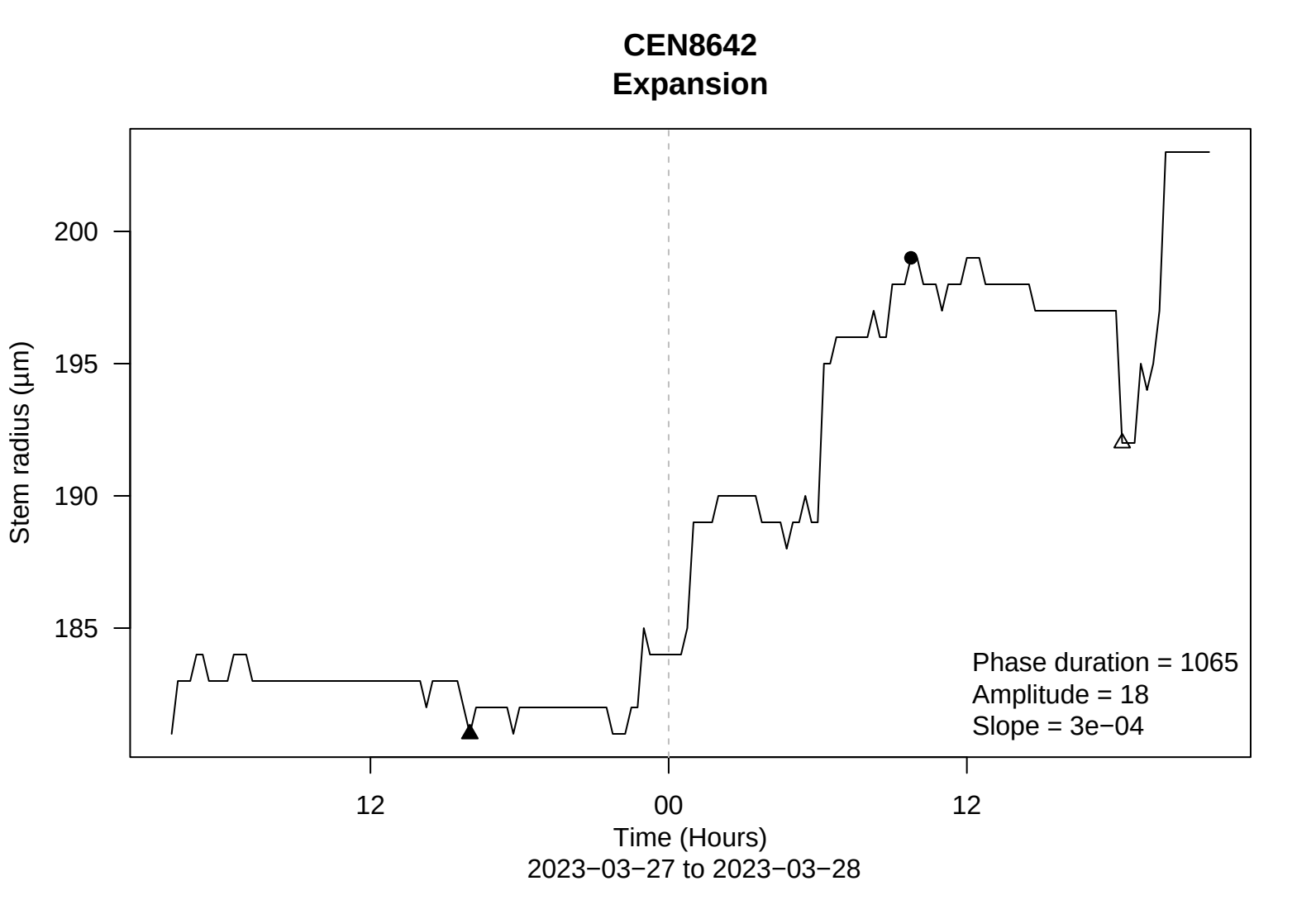

CEN8642
Expansion
170
168
166
164
162
160
158
156
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−03−20 to 2023−03−21
Phase duration = 1620
Amplitude = 13
Slope = 1e−04

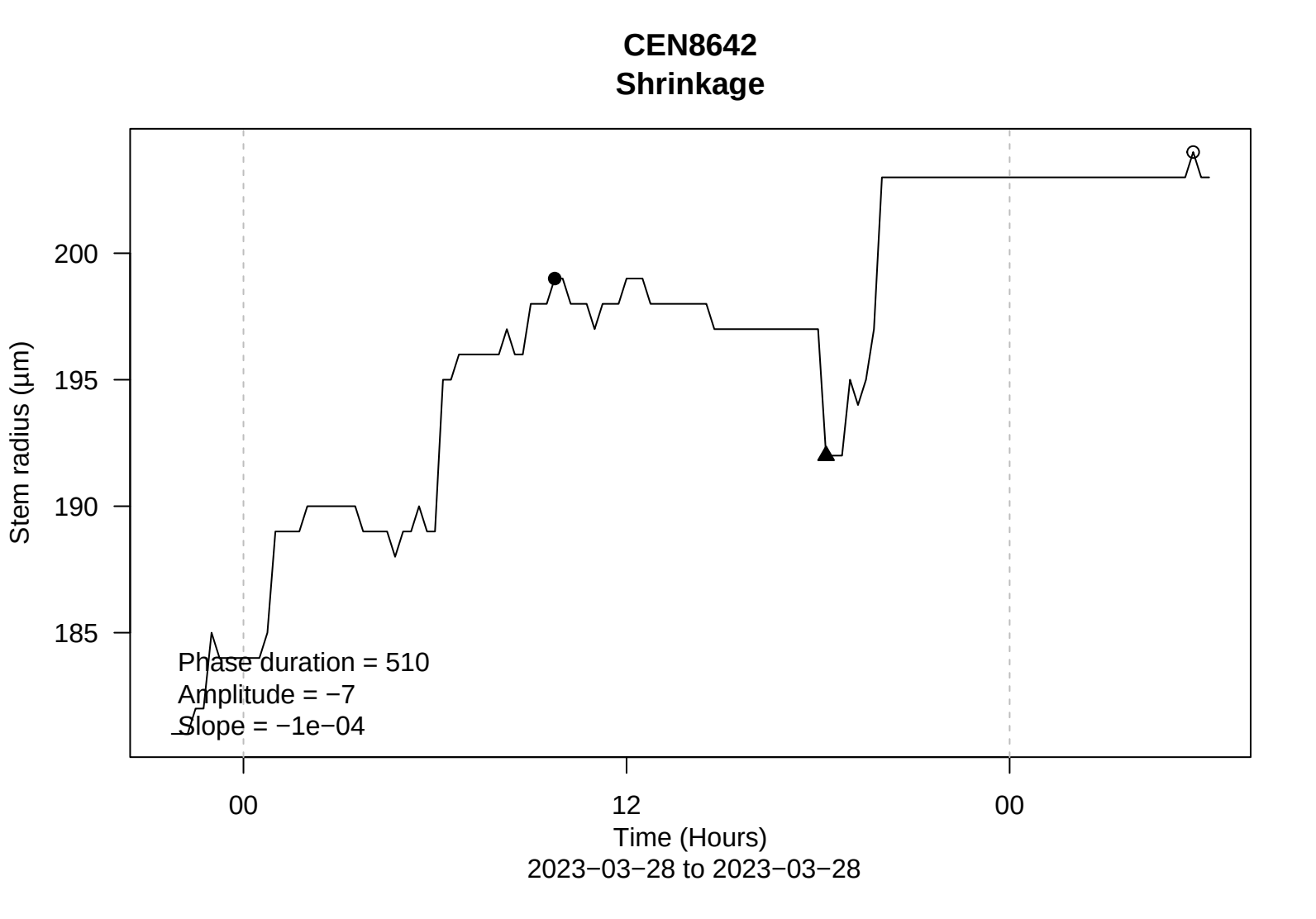

CEN8642
Shrinkage
170
168
166
164
162
160
Stem radius (µm)
Phase duration = 1875
Amplitude = −5
Slope = 0
12
00
12
00
12
Time (Hours)
2023−03−21 to 2023−03−23

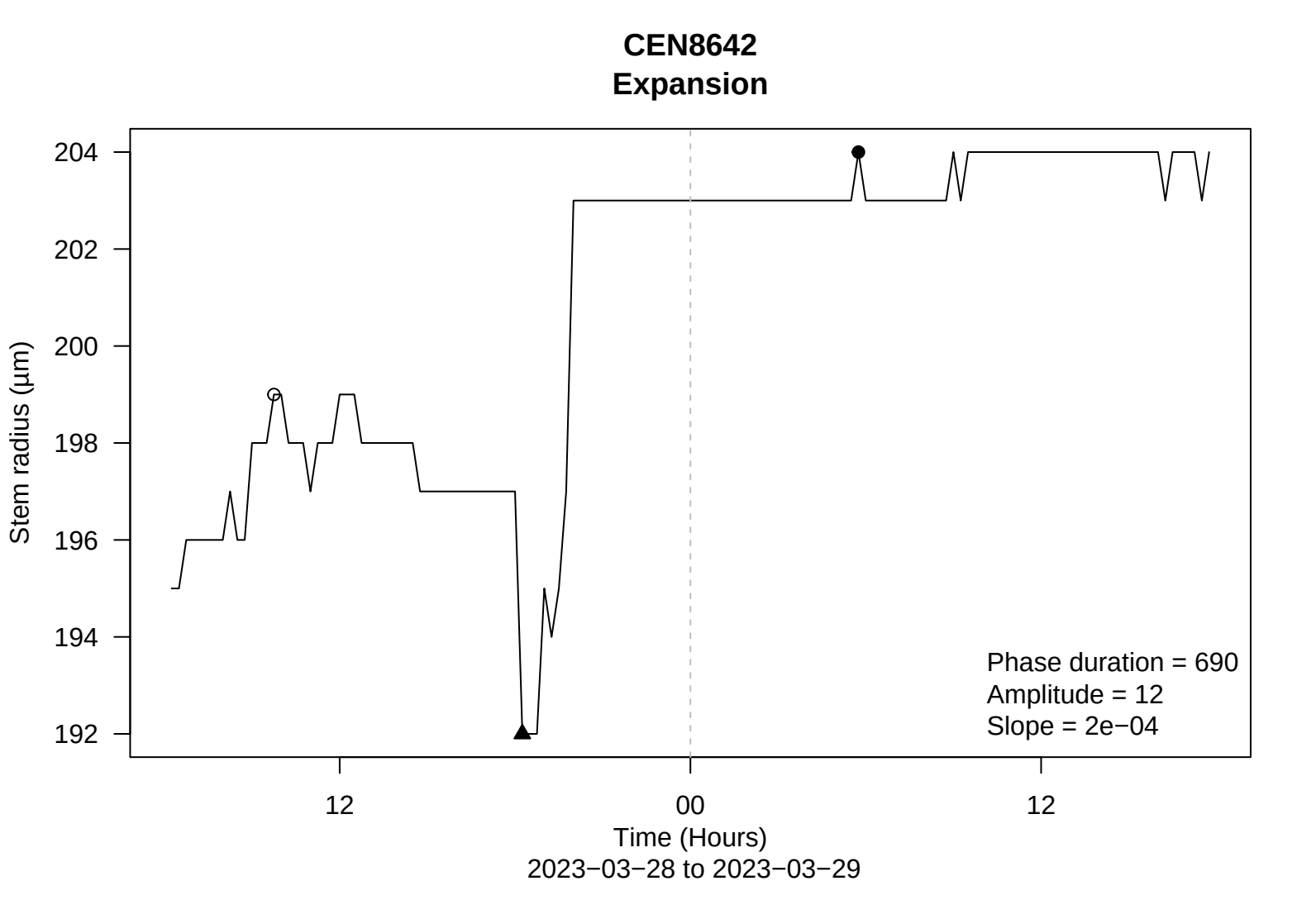

CEN8642
Expansion
170
169
168
167
166
165
Stem radius (µm)
Phase duration = 1110
Amplitude = 5
Slope = 0
00
12
00
Time (Hours)
2023−03−23 to 2023−03−23

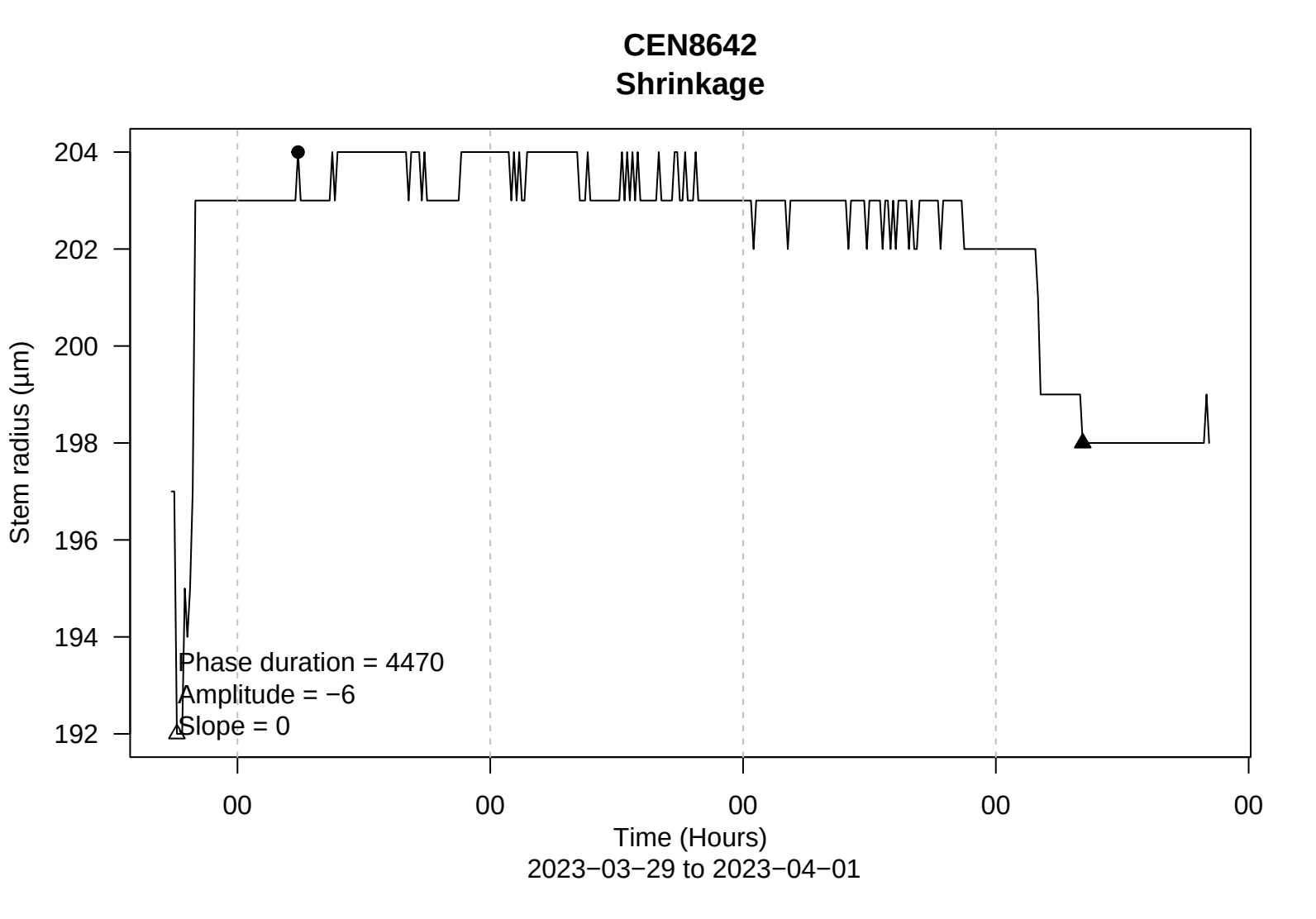

CEN8642
Expansion
170
169
168
167
166
Stem radius (µm)
00
12
00
Time (Hours)
2023−03−24 to 2023−03−24
Phase duration = 585
Amplitude = 3
Slope = 0

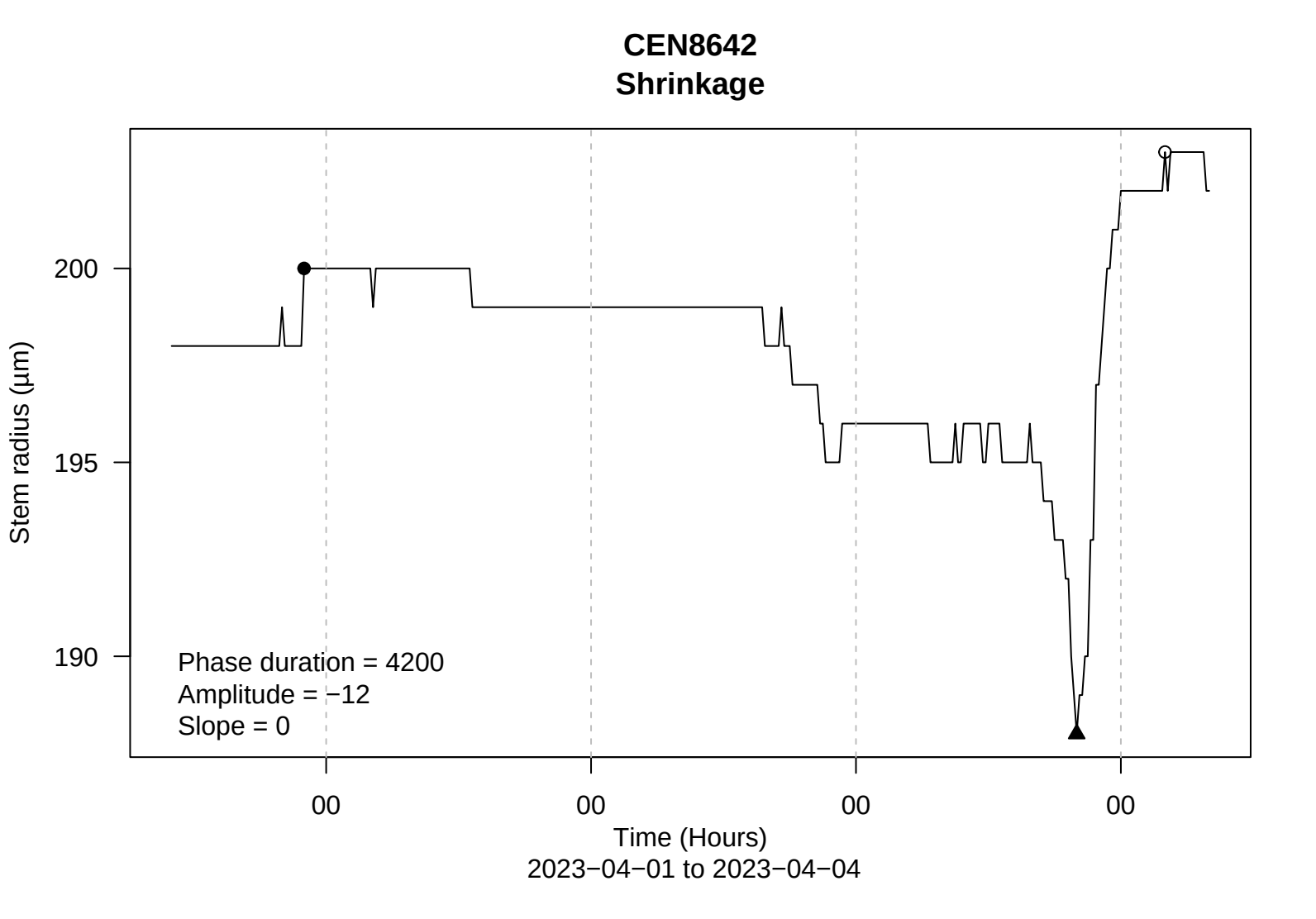

CEN8642
Expansion
Stem radius (µm)
180
175
170
00
00
00
Time (Hours)
2023−03−24 to 2023−03−27
Phase duration = 3225
Amplitude = 18
Slope = 0

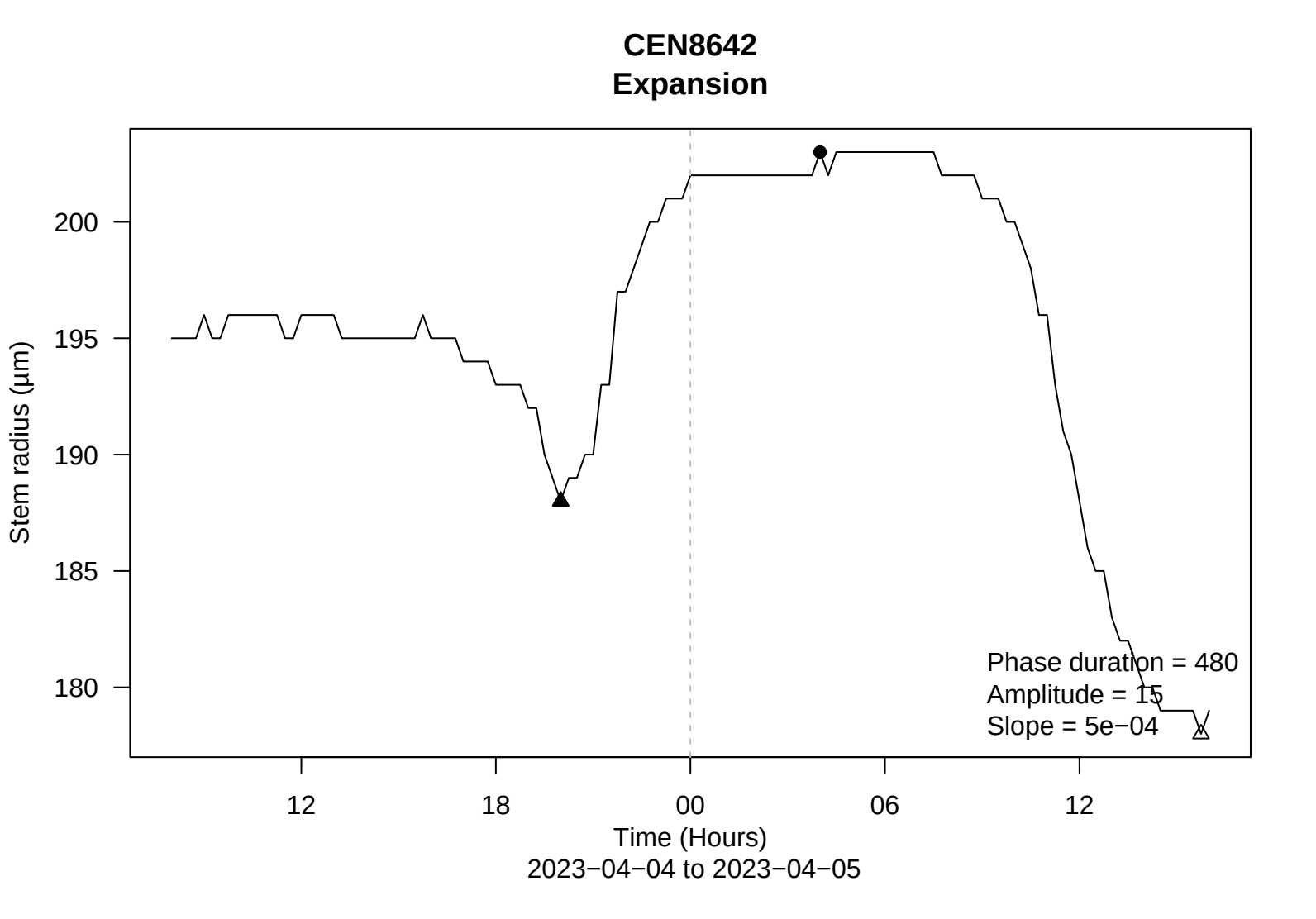

CEN8642
Expansion
200
195
190
185
Stem radius (µm)
Phase duration = 1065
Amplitude = 18
Slope = 3e−04
12
00
12
Time (Hours)
2023−03−27 to 2023−03−28

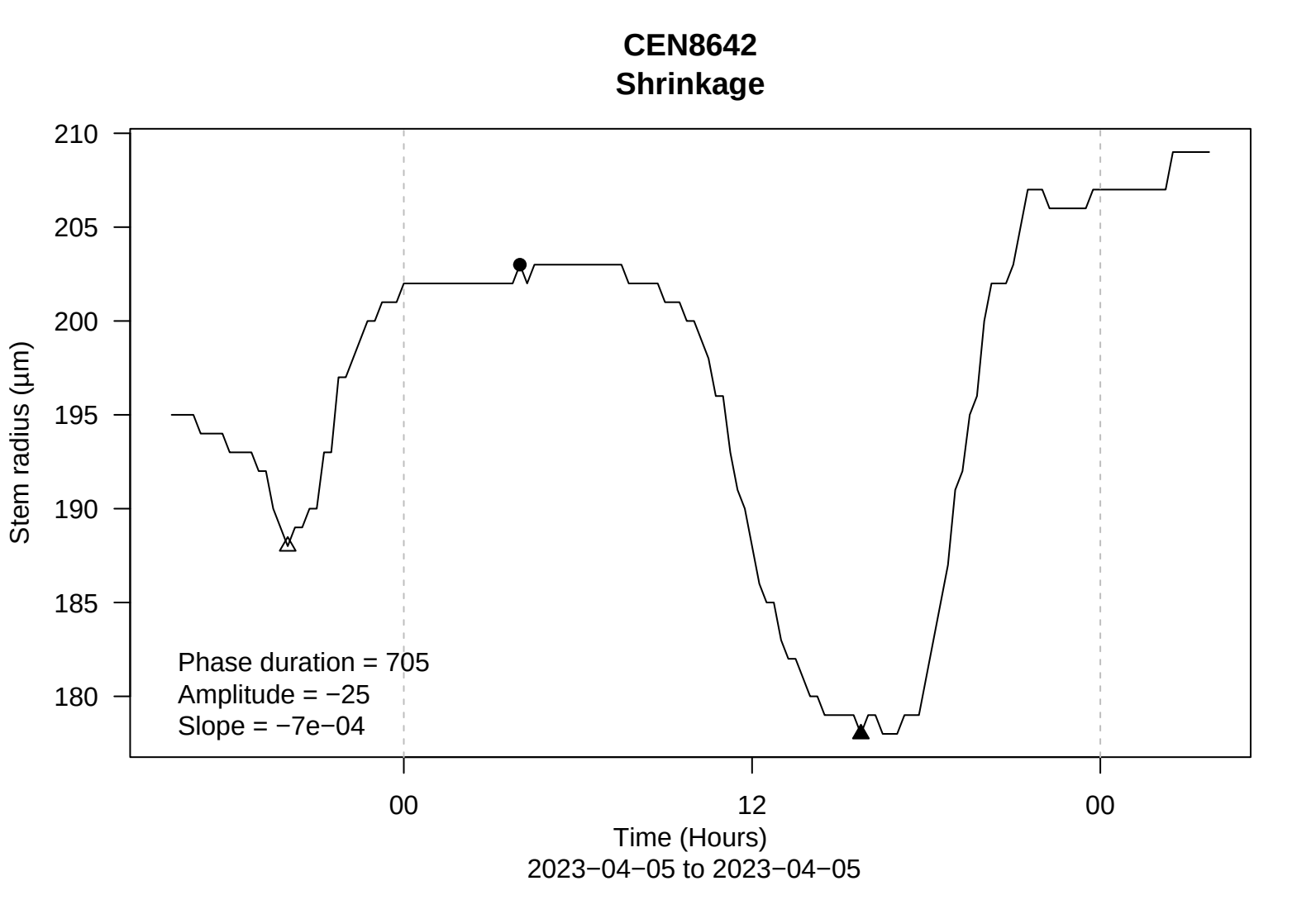

CEN8642
Shrinkage
Stem radius (µm)
200
195
190
185
Phase duration = 510
Amplitude = −7
Slope = −1e−04
00
12
00
Time (Hours)
2023−03−28 to 2023−03−28

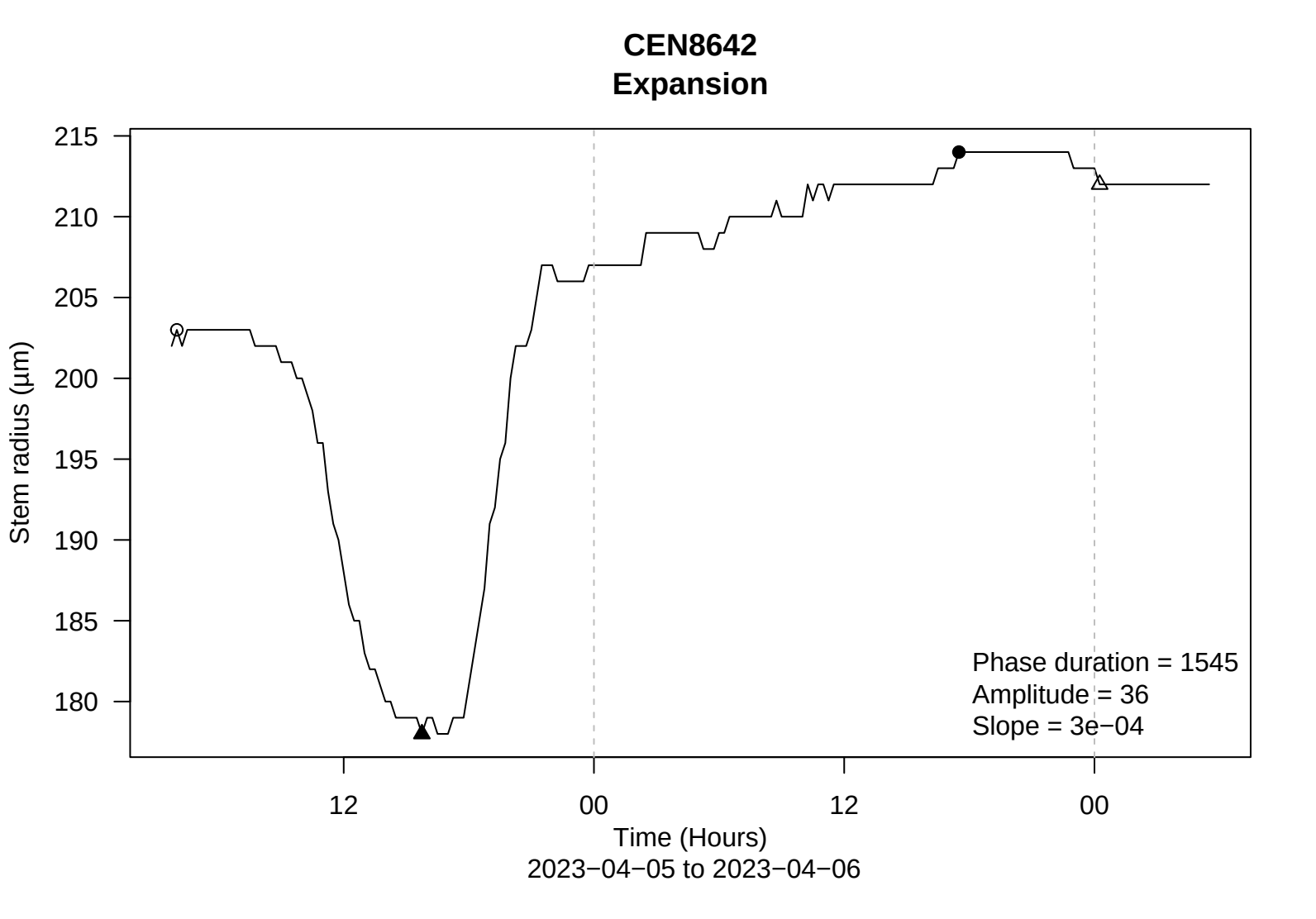

CEN8642
Expansion
204
202
200
198
196
194
192
Stem radius (µm)
12
00
12
Time (Hours)
2023−03−28 to 2023−03−29
Phase duration = 690
Amplitude = 12
Slope = 2e−04

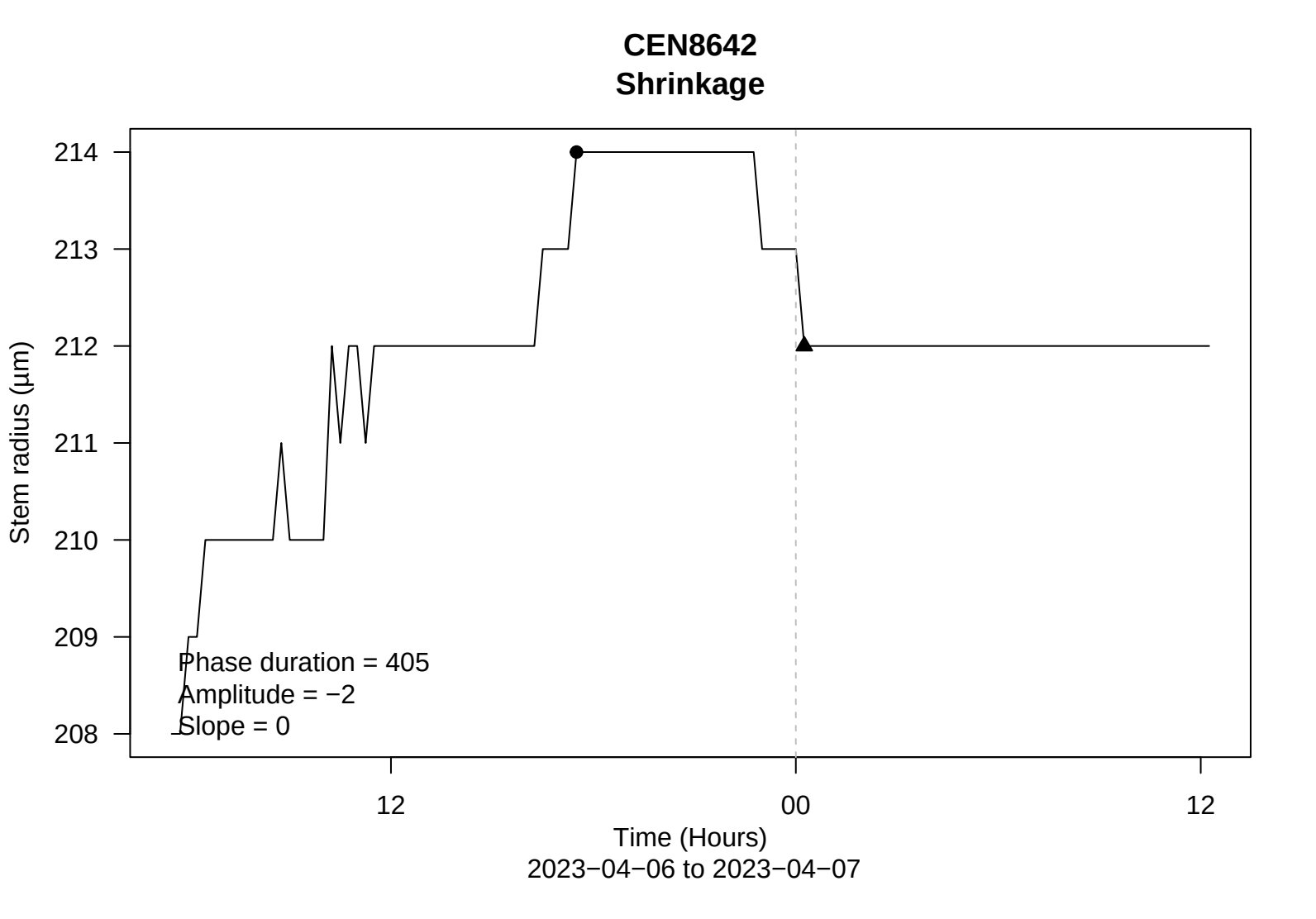

CEN8642
Shrinkage
204
202
200
198
196
194
192
Stem radius (µm)
Phase duration = 4470
Amplitude = −6
Slope = 0
00
00
00
00
00
Time (Hours)
2023−03−29 to 2023−04−01

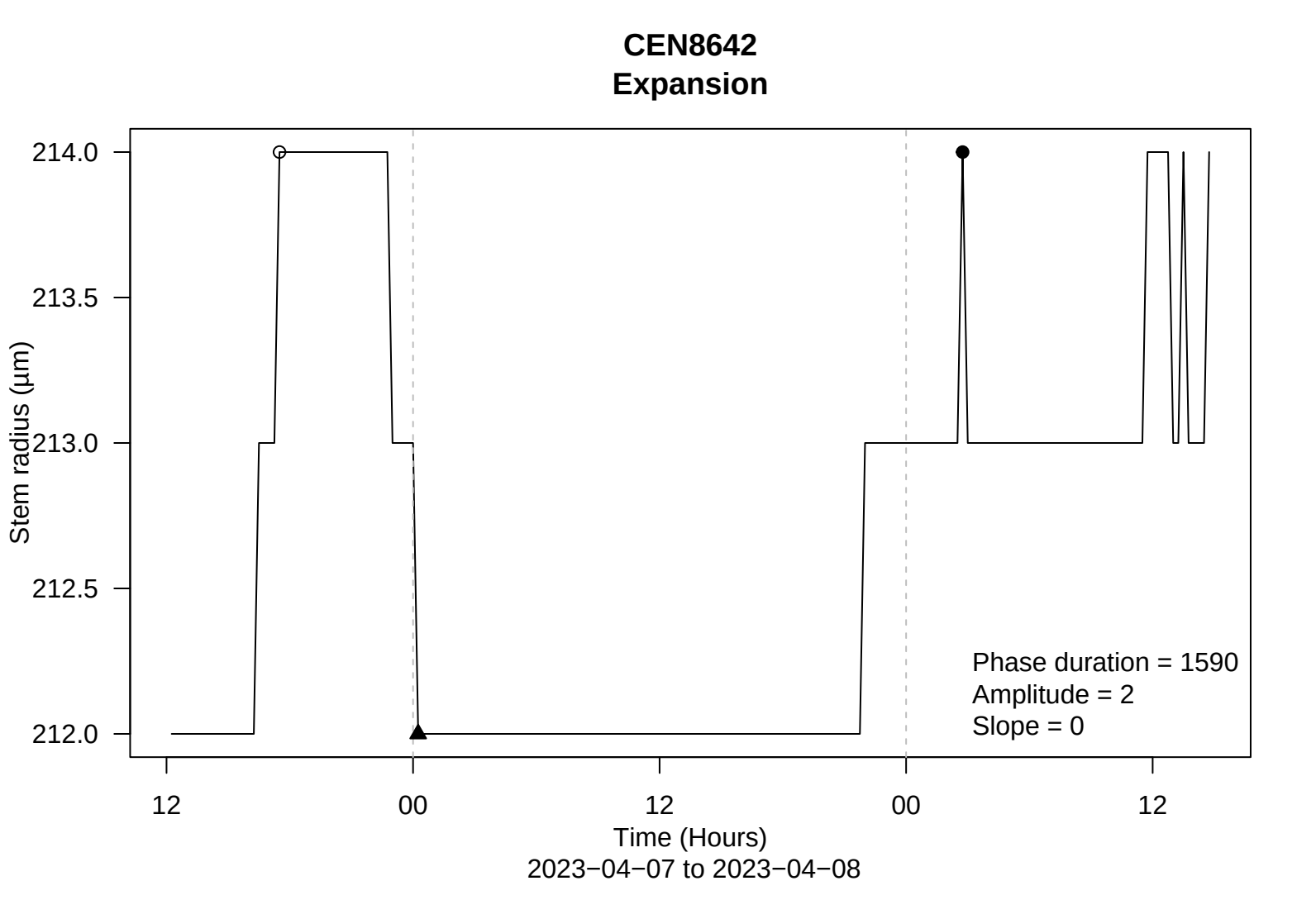

CEN8642
Shrinkage
200
195
190
Stem radius (µm)
Phase duration = 4200
Amplitude = −12
Slope = 0
00
00
00
00
Time (Hours)
2023−04−01 to 2023−04−04

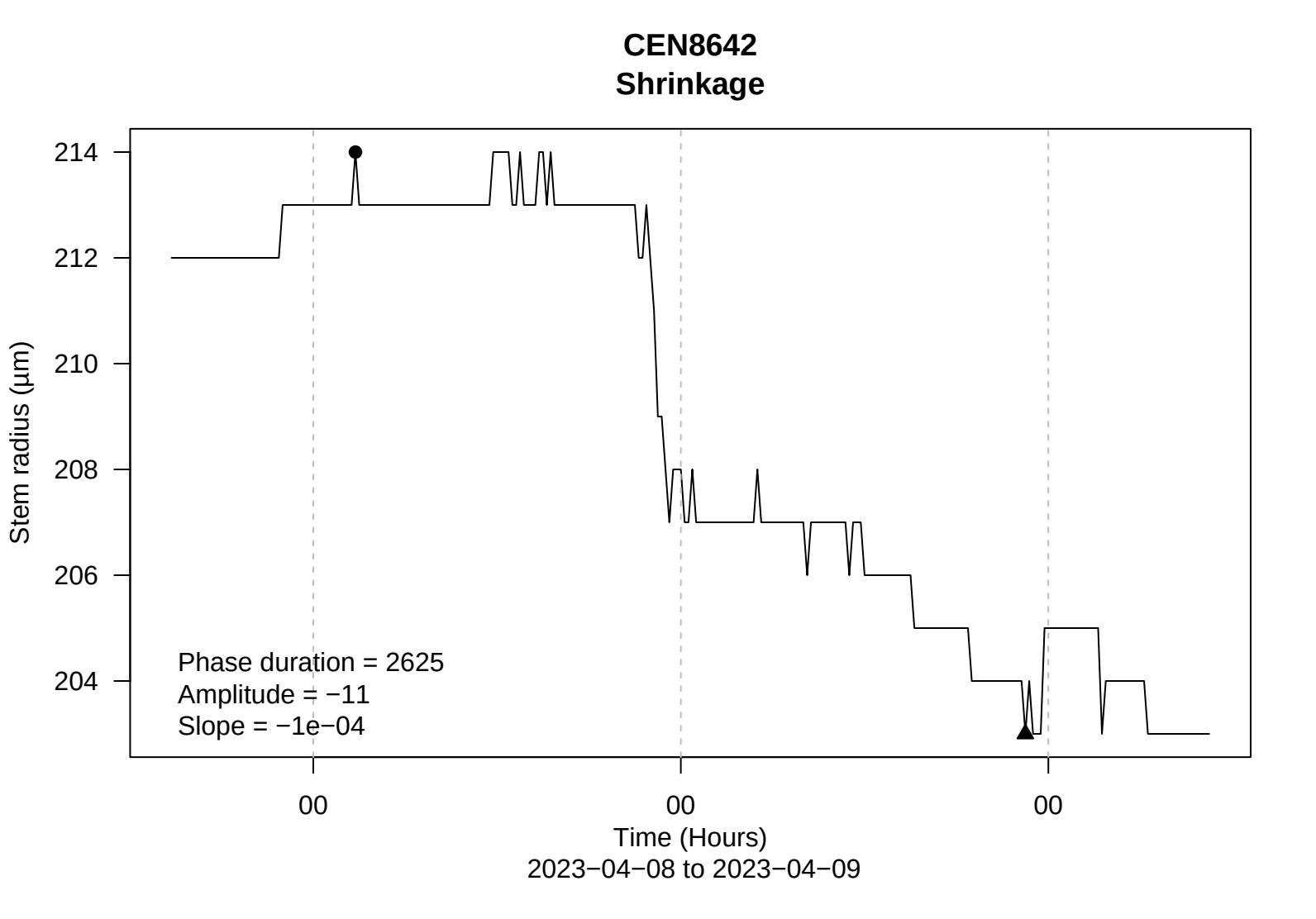

CEN8642
Expansion
200
195
190
185
180
Stem radius (µm)
12
18
00
06
12
Time (Hours)
2023−04−04 to 2023−04−05
Phase duration = 480
Amplitude = 15
Slope = 5e−04

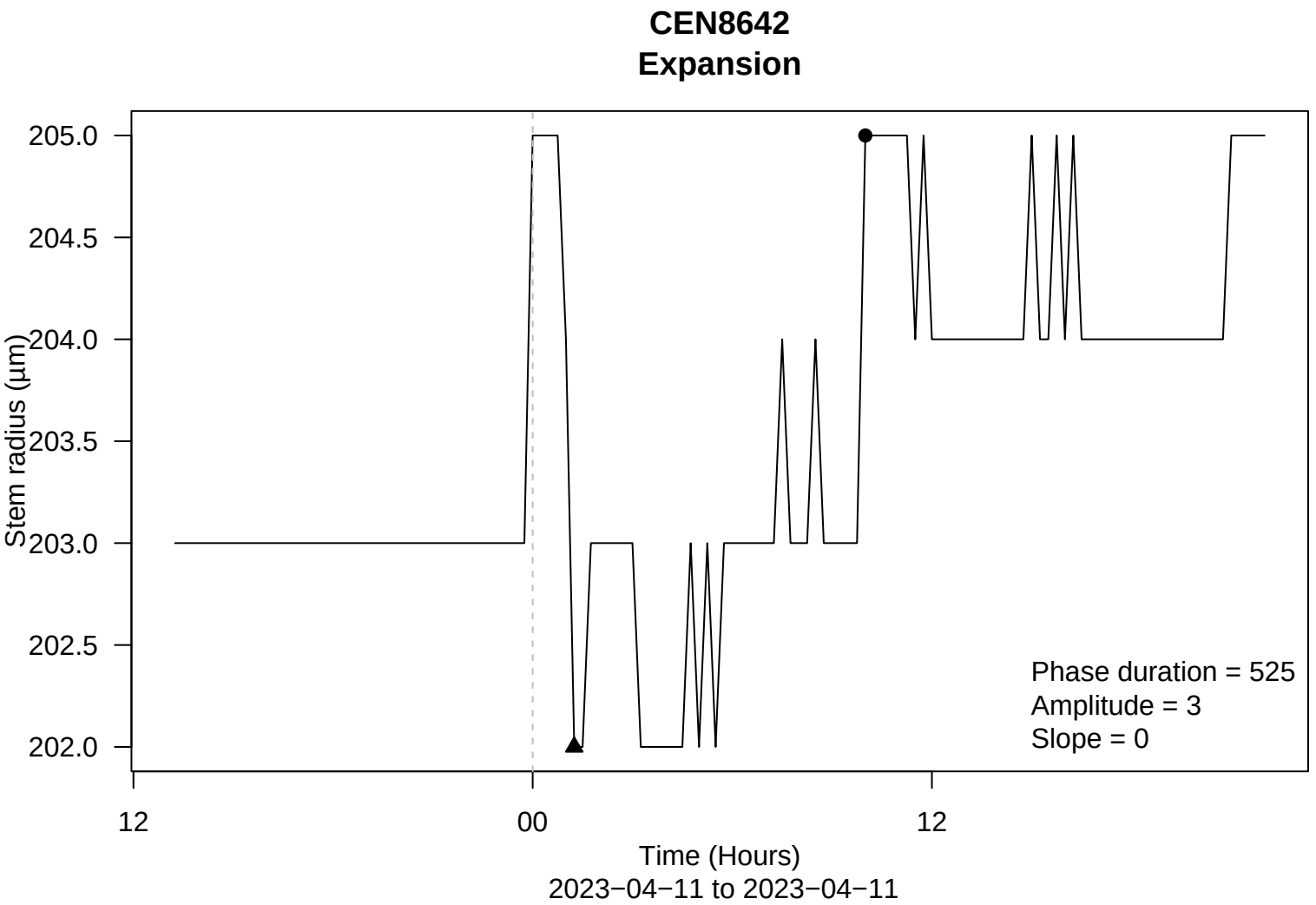

CEN8642
Shrinkage
210
205
200
195
190
185
180
Stem radius (µm)
Phase duration = 705
Amplitude = −25
Slope = −7e−04
00
12
00
Time (Hours)
2023−04−05 to 2023−04−05

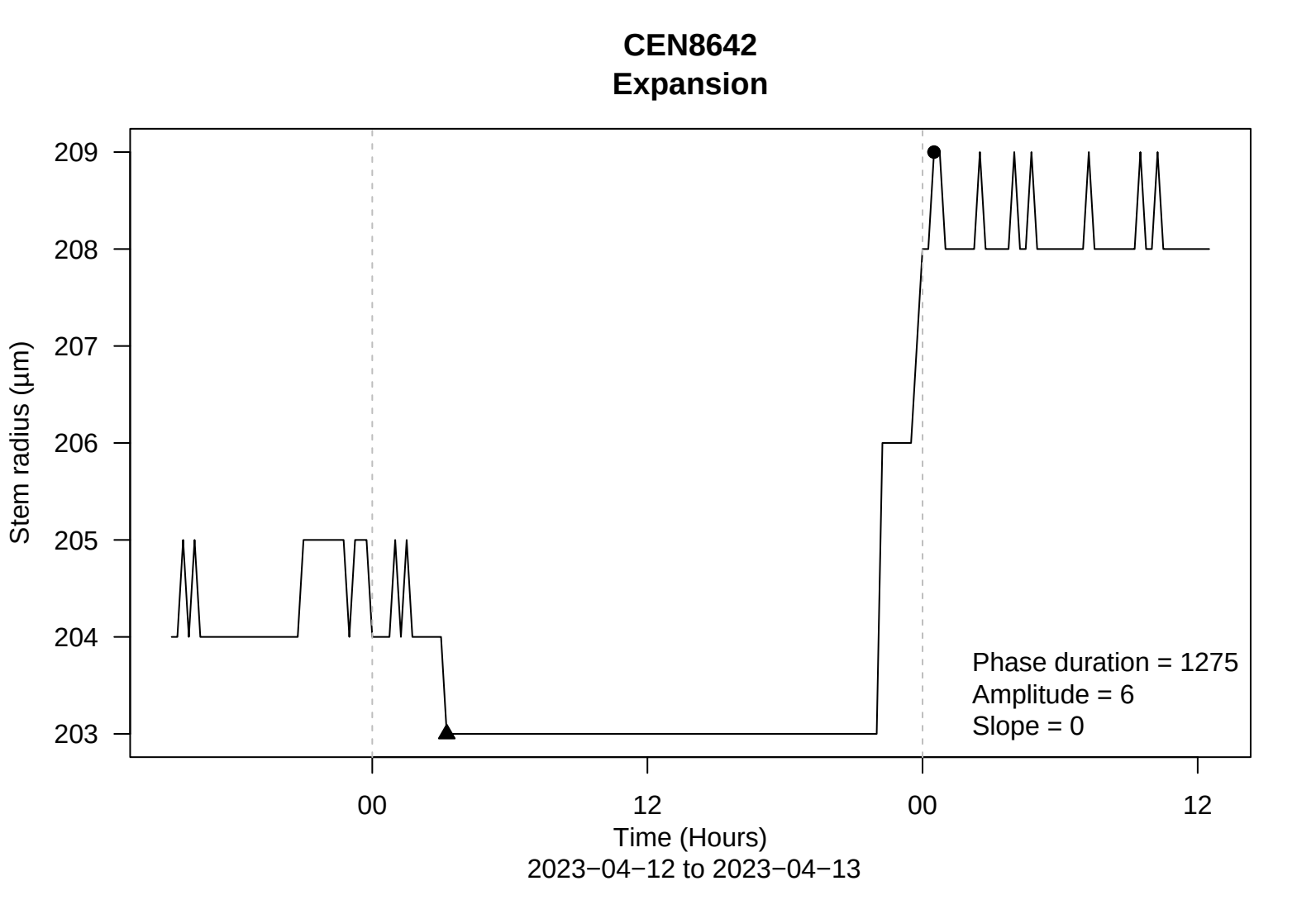

CEN8642
Expansion
215
210
205
200
195
190
185
180
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−04−05 to 2023−04−06
Phase duration = 1545
Amplitude = 36
Slope = 3e−04

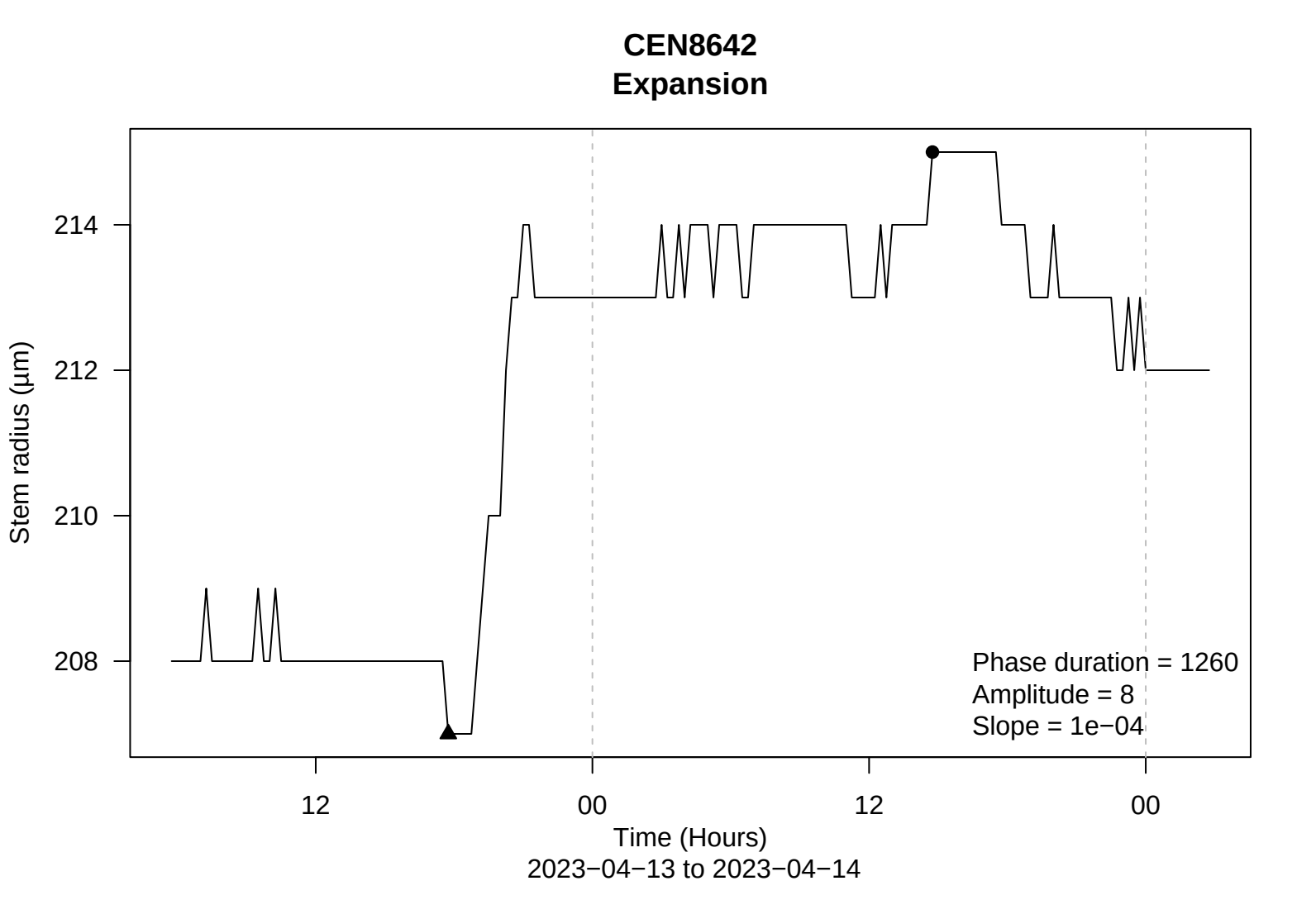

CEN8642
Shrinkage
214
213
212
211
210
209
208
Stem radius (µm)
Phase duration = 405
Amplitude = −2
Slope = 0
12
00
12
Time (Hours)
2023−04−06 to 2023−04−07

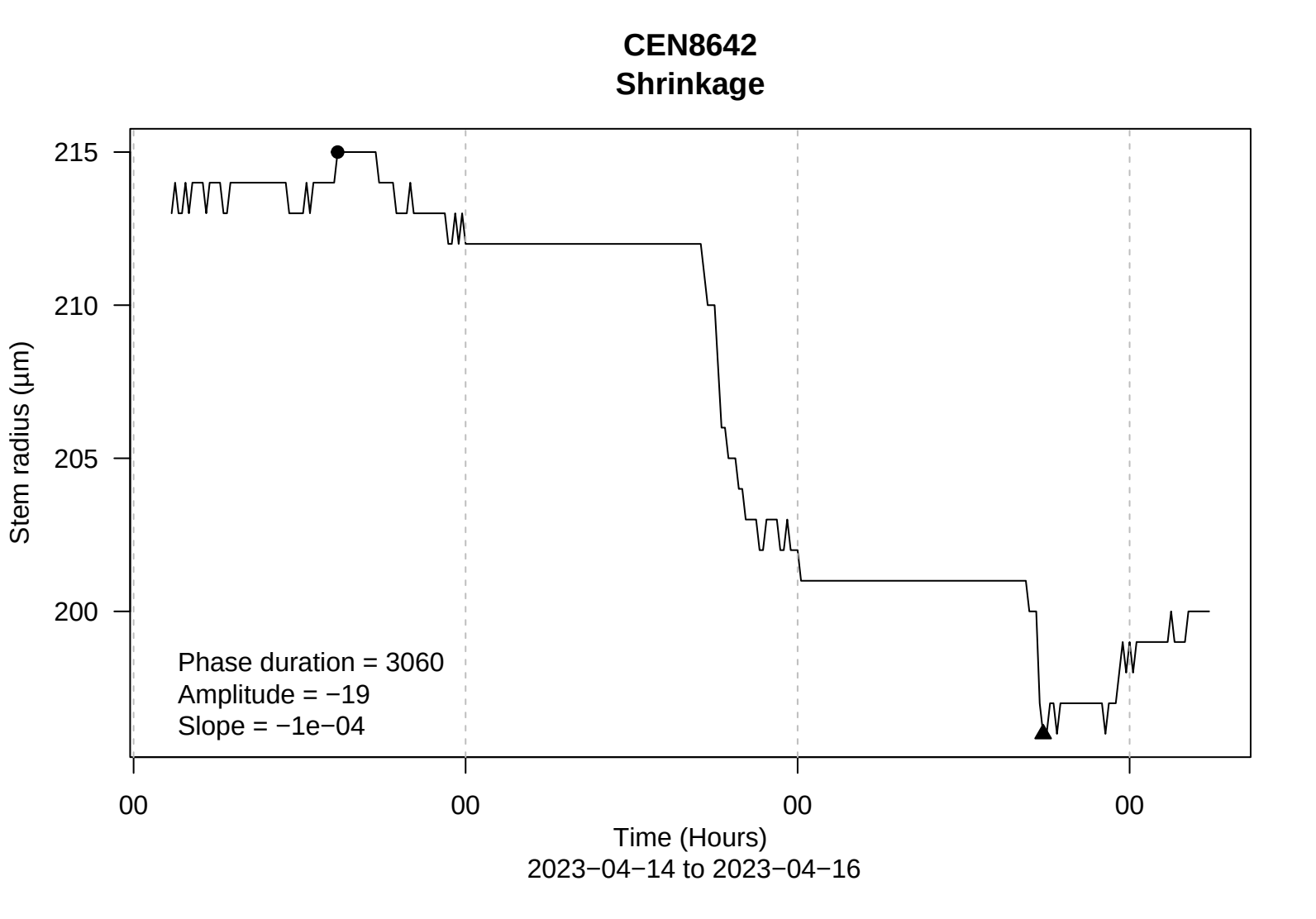

CEN8642
Expansion
214.0
213.5
213.0
212.5
212.0
Stem radius (µm)
12
00
12
00
12
Time (Hours)
2023−04−07 to 2023−04−08
Phase duration = 1590
Amplitude = 2
Slope = 0

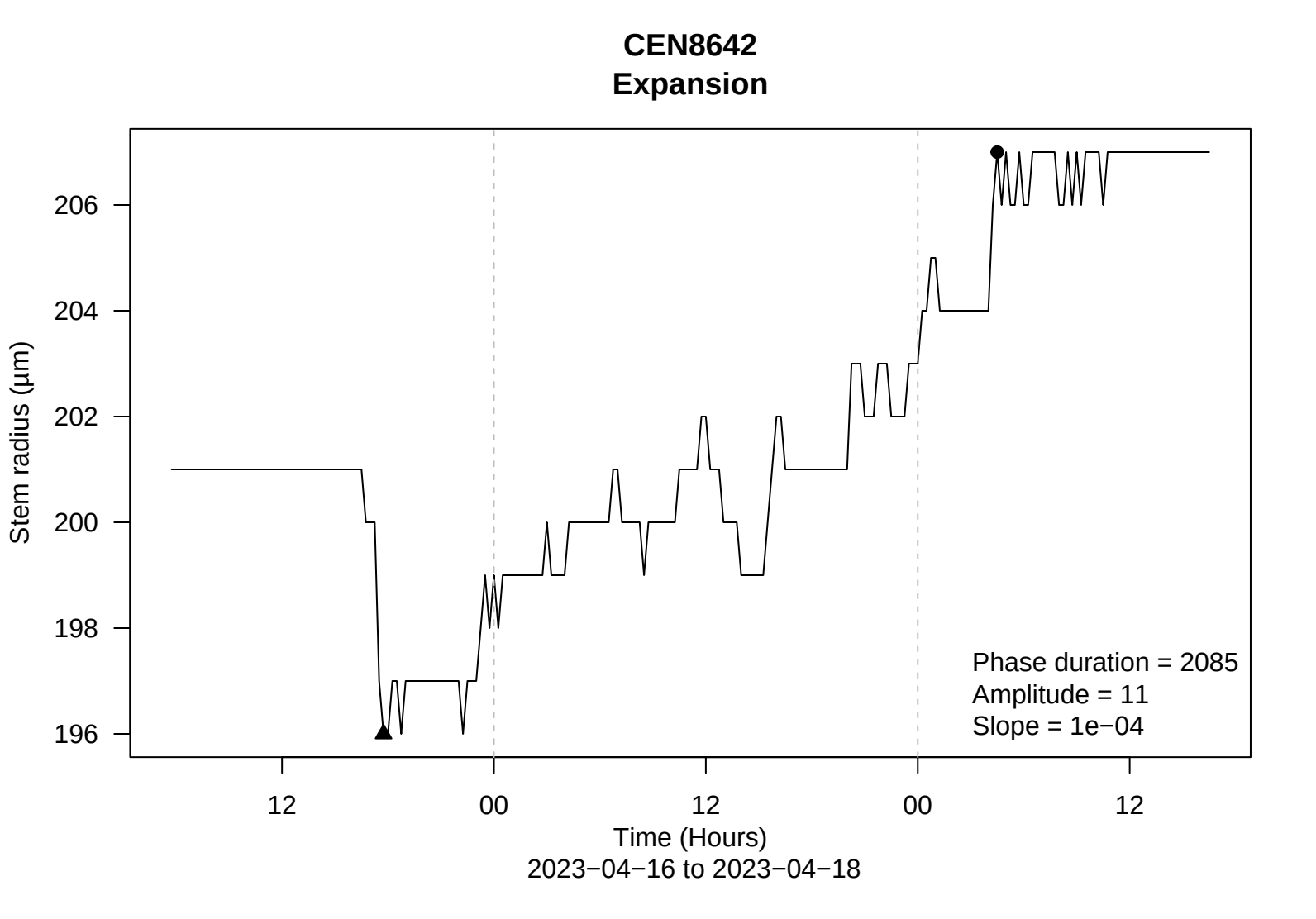

CEN8642
Shrinkage
214
212
210
208
206
204
Stem radius (µm)
Phase duration = 2625
Amplitude = −11
Slope = −1e−04
00
00
00
Time (Hours)
2023−04−08 to 2023−04−09

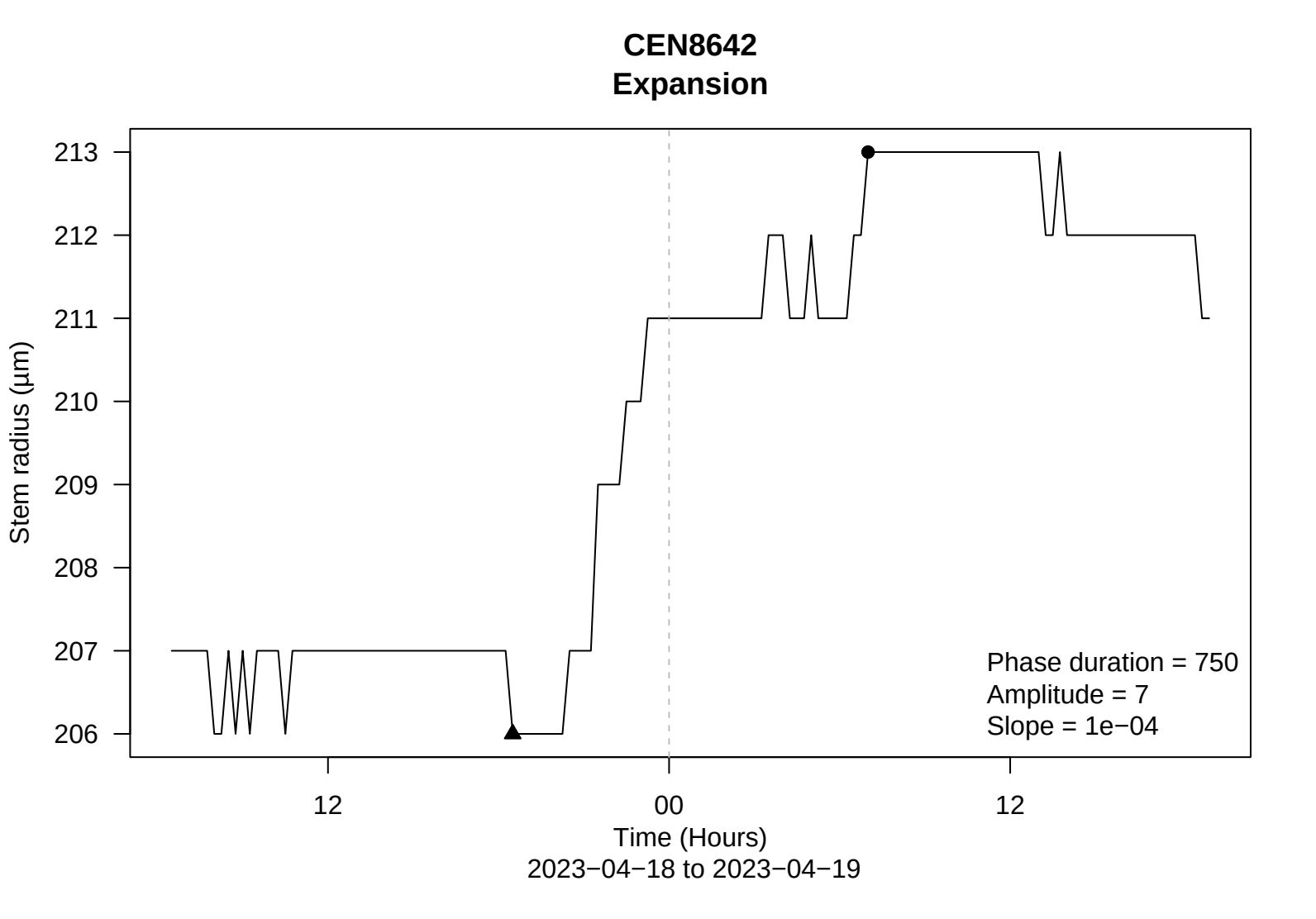

CEN8642
Expansion
205.0
204.5
204.0
203.5
203.0
202.5
202.0
Stem radius (µm)
Phase duration = 525
Amplitude = 3
Slope = 0
12
00
12
Time (Hours)
2023−04−11 to 2023−04−11

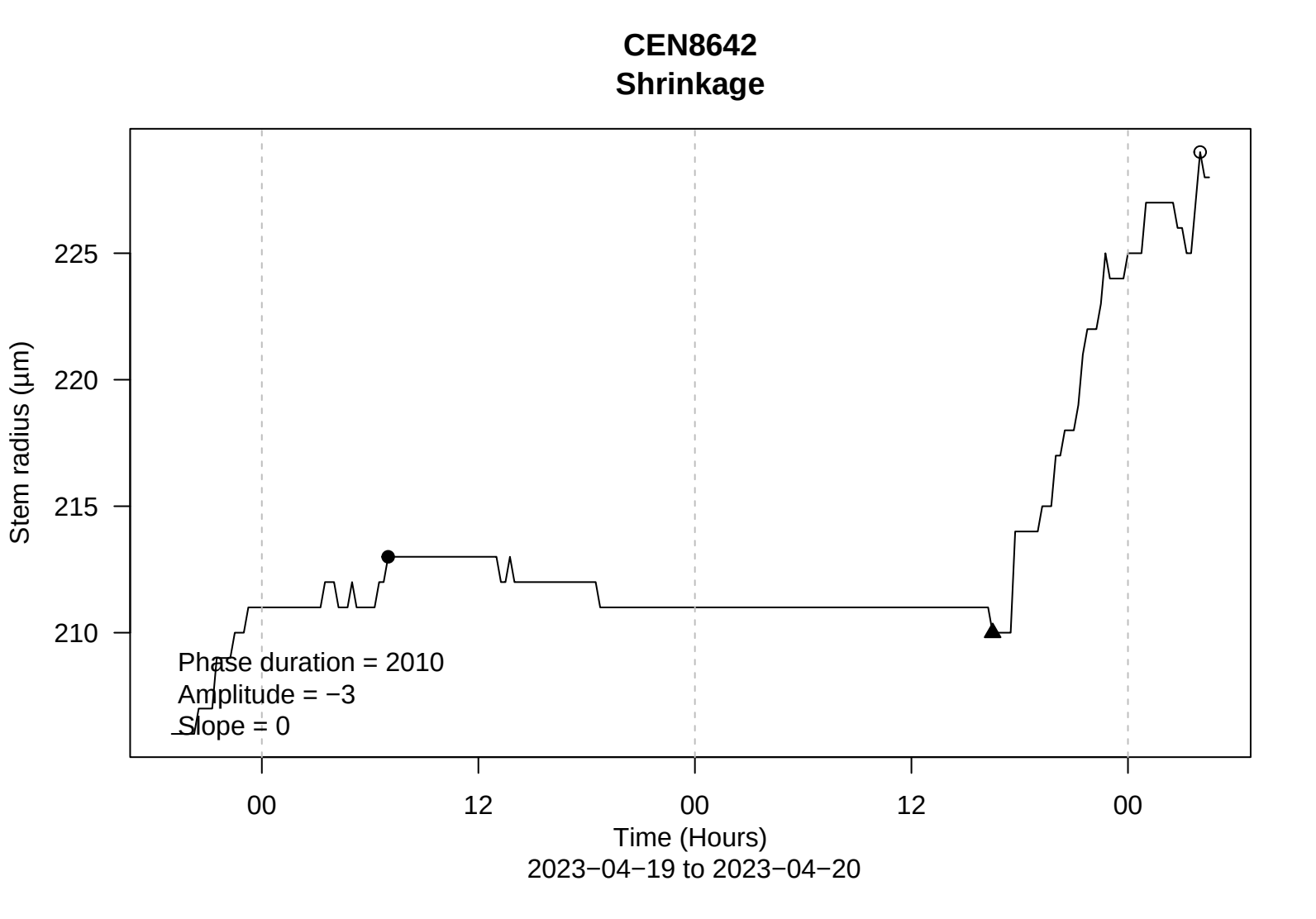

CEN8642
Expansion
209
208
207
206
205
204
203
Stem radius (µm)
00
12
00
12
Time (Hours)
2023−04−12 to 2023−04−13
Phase duration = 1275
Amplitude = 6
Slope = 0

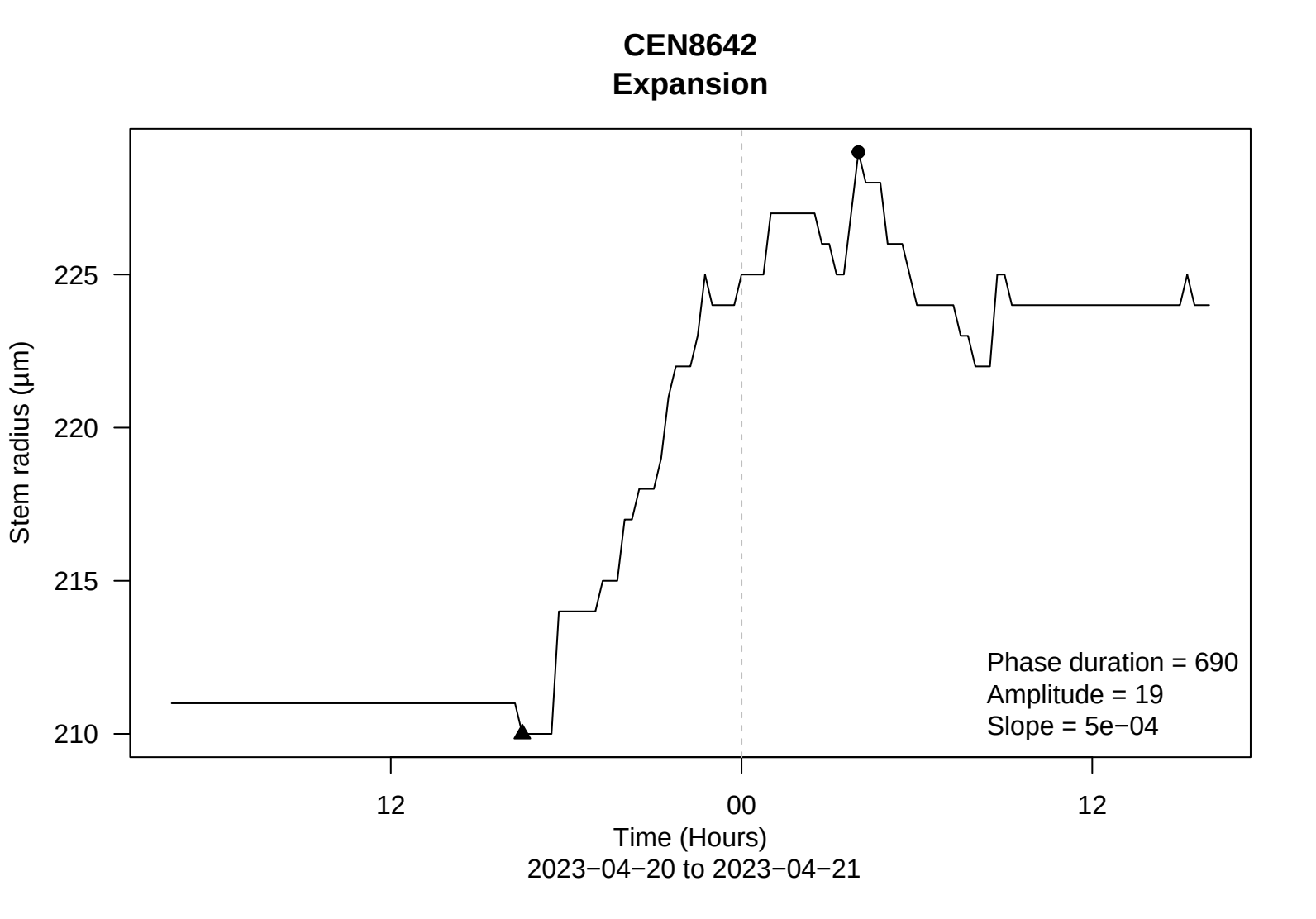

CEN8642
Expansion
214
212
210
208
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−04−13 to 2023−04−14
Phase duration = 1260
Amplitude = 8
Slope = 1e−04

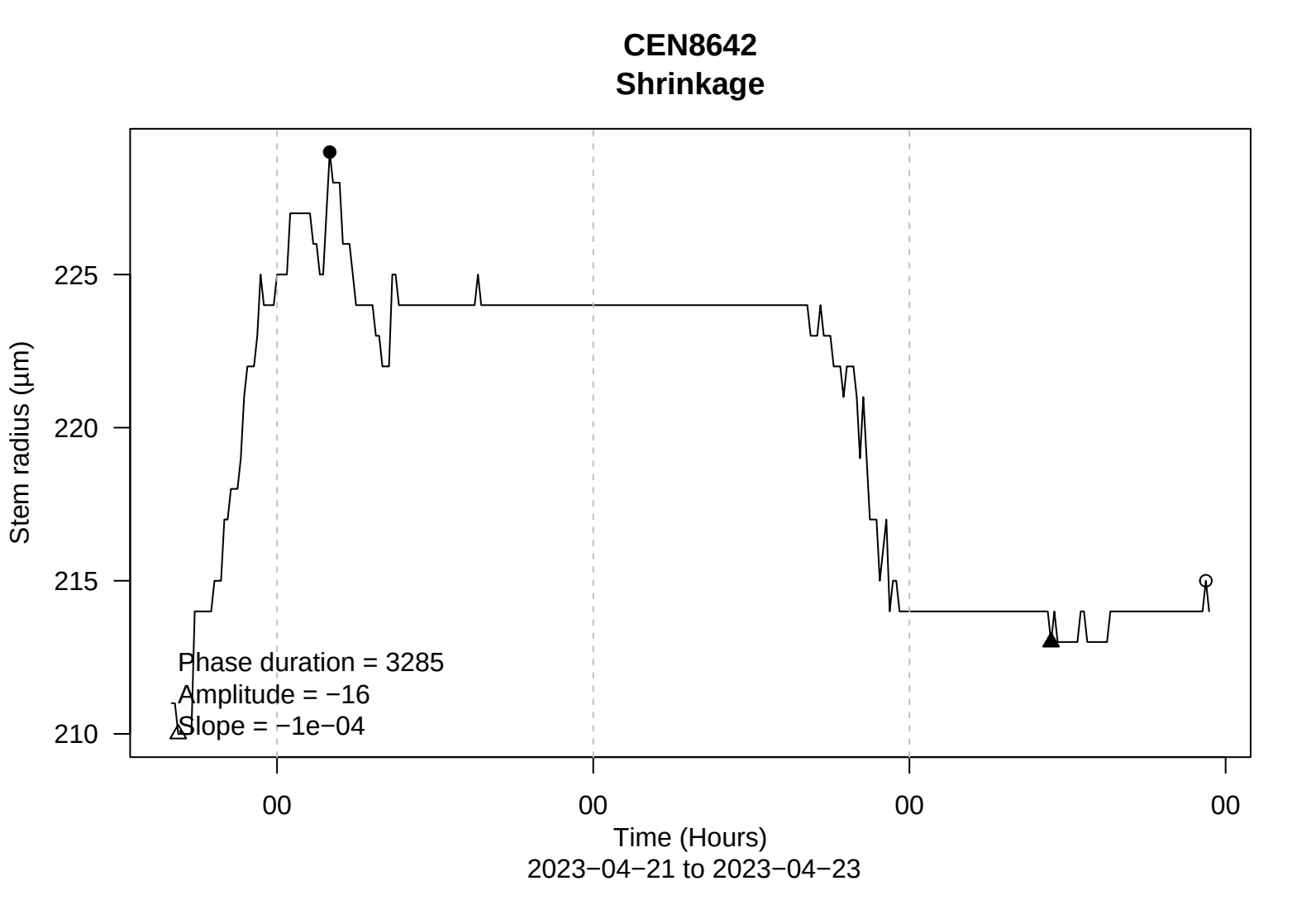

CEN8642
Shrinkage
215
210
205
200
Stem radius (µm)
Phase duration = 3060
Amplitude = −19
Slope = −1e−04
00
00
00
00
Time (Hours)
2023−04−14 to 2023−04−16

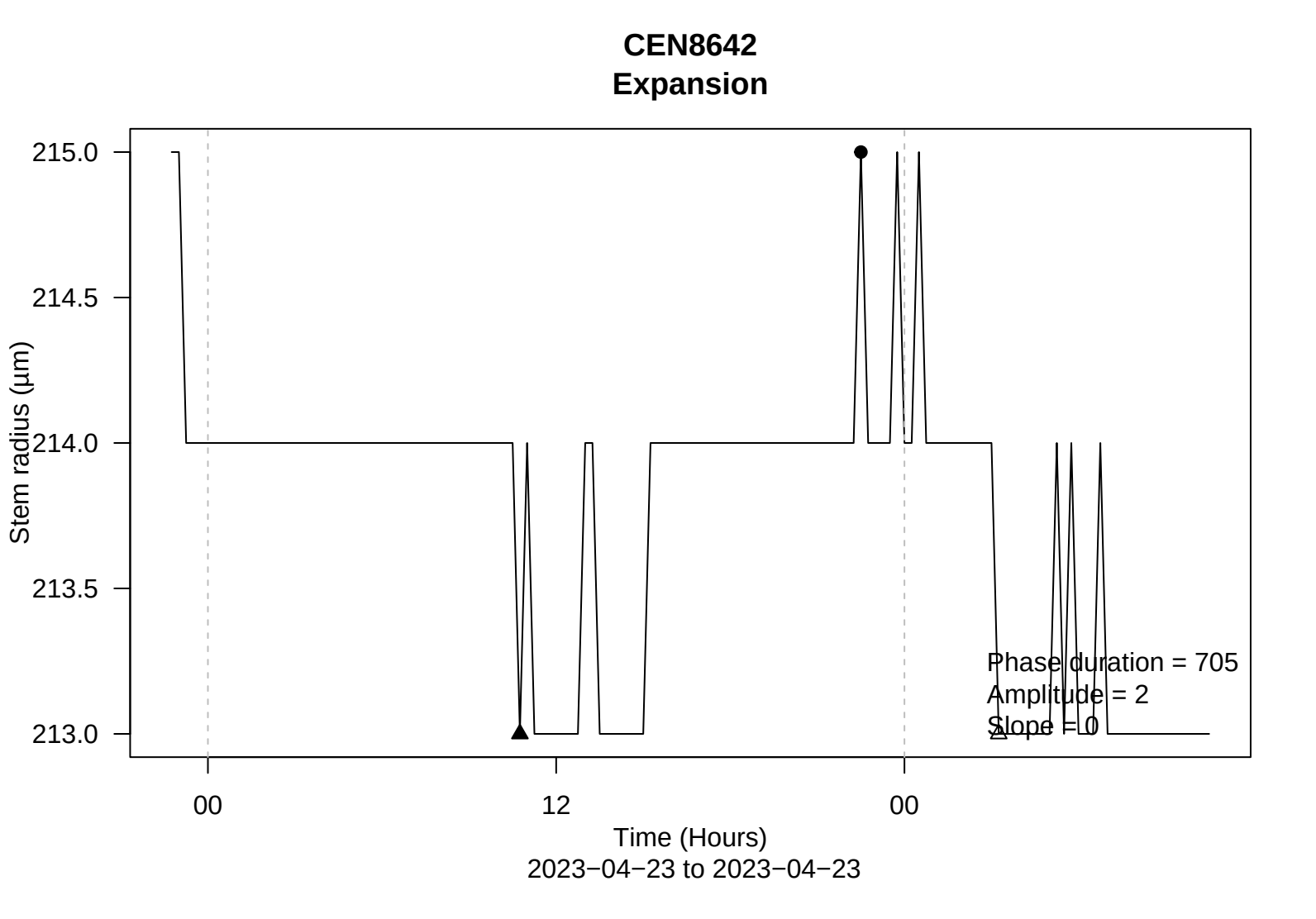

CEN8642
Expansion
206
204
202
200
198
196
Stem radius (µm)
12
00
12
00
12
Time (Hours)
2023−04−16 to 2023−04−18
Phase duration = 2085
Amplitude = 11
Slope = 1e−04

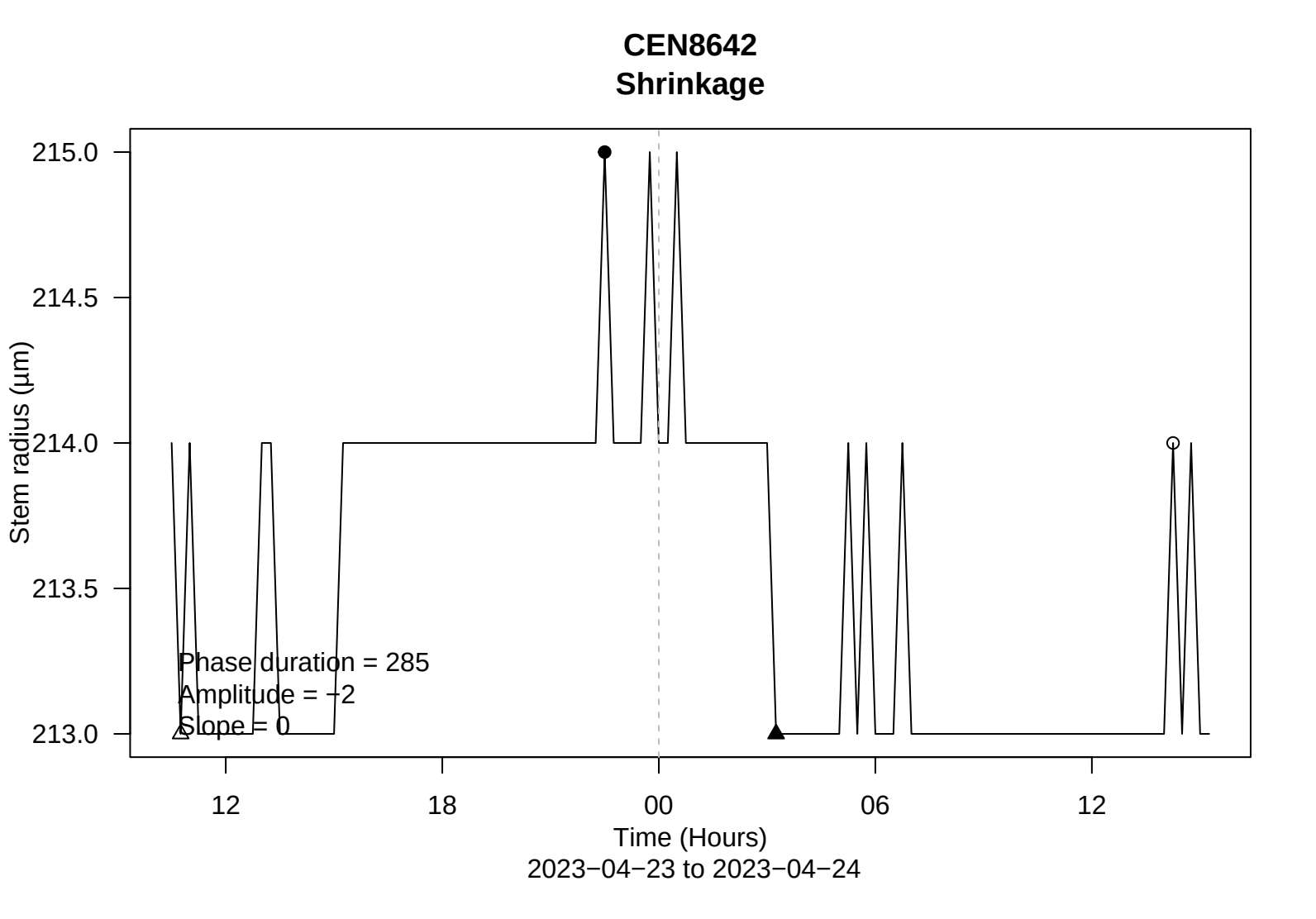

CEN8642
Expansion
213
212
211
210
209
208
207
206
Stem radius (µm)
Phase duration = 750
Amplitude = 7
Slope = 1e−04
12
00
12
Time (Hours)
2023−04−18 to 2023−04−19

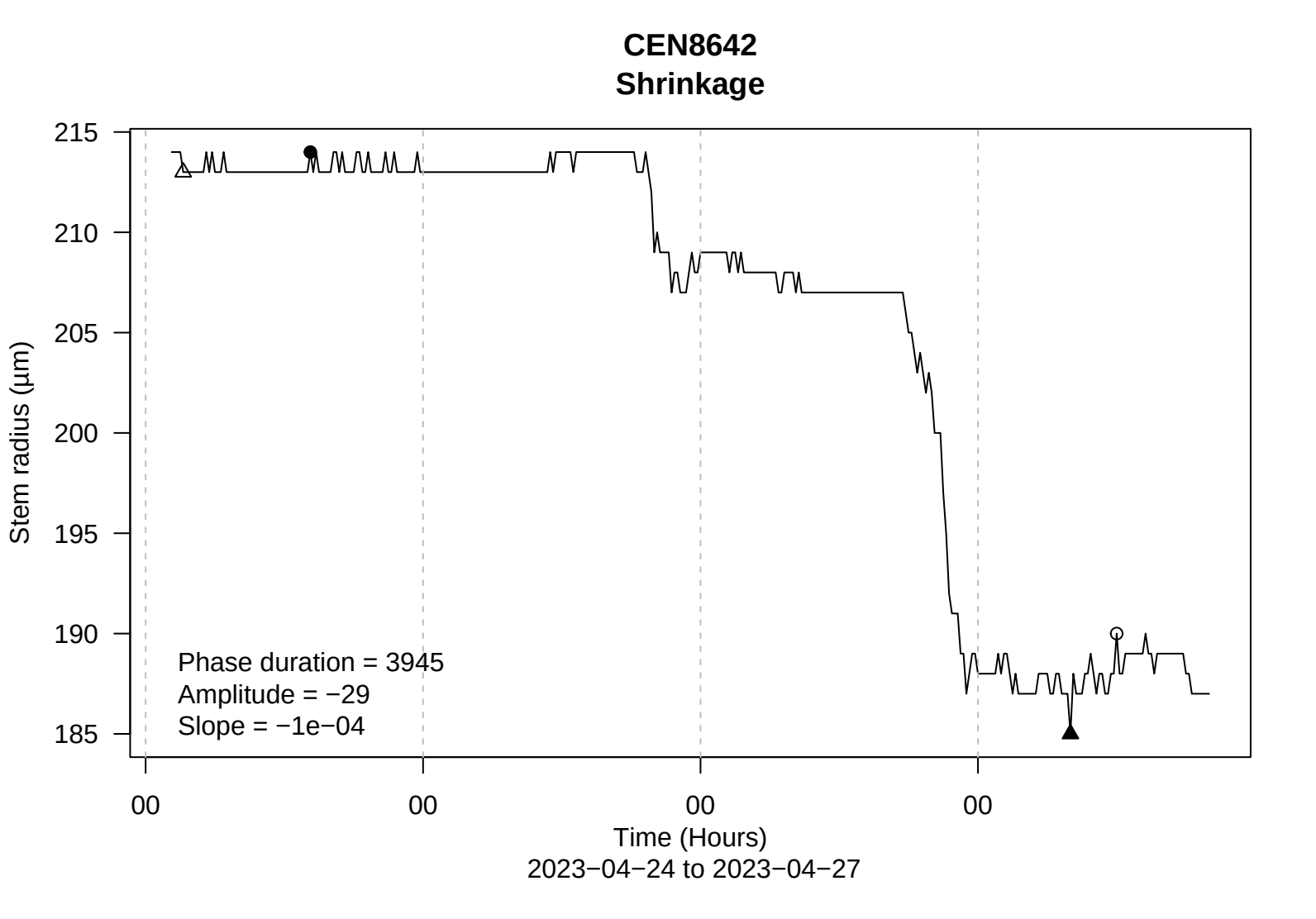

CEN8642
Shrinkage
Stem radius (µm)
225
220
215
210
Phase duration = 2010
Amplitude = −3
Slope = 0
00
12
00
12
00
Time (Hours)
2023−04−19 to 2023−04−20

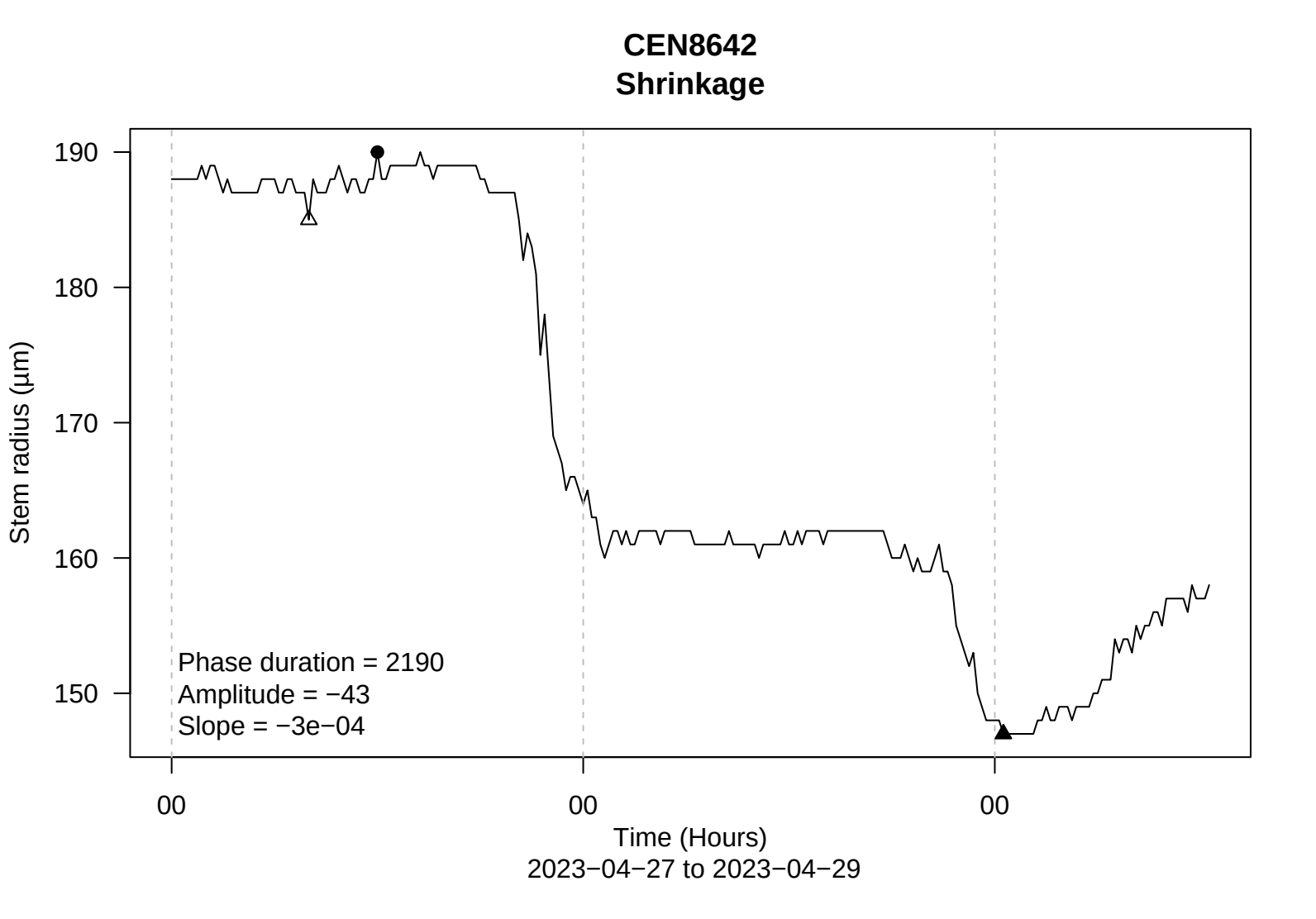

CEN8642
Expansion
Stem radius (µm)
225
220
215
210
12
00
12
Time (Hours)
2023−04−20 to 2023−04−21
Phase duration = 690
Amplitude = 19
Slope = 5e−04

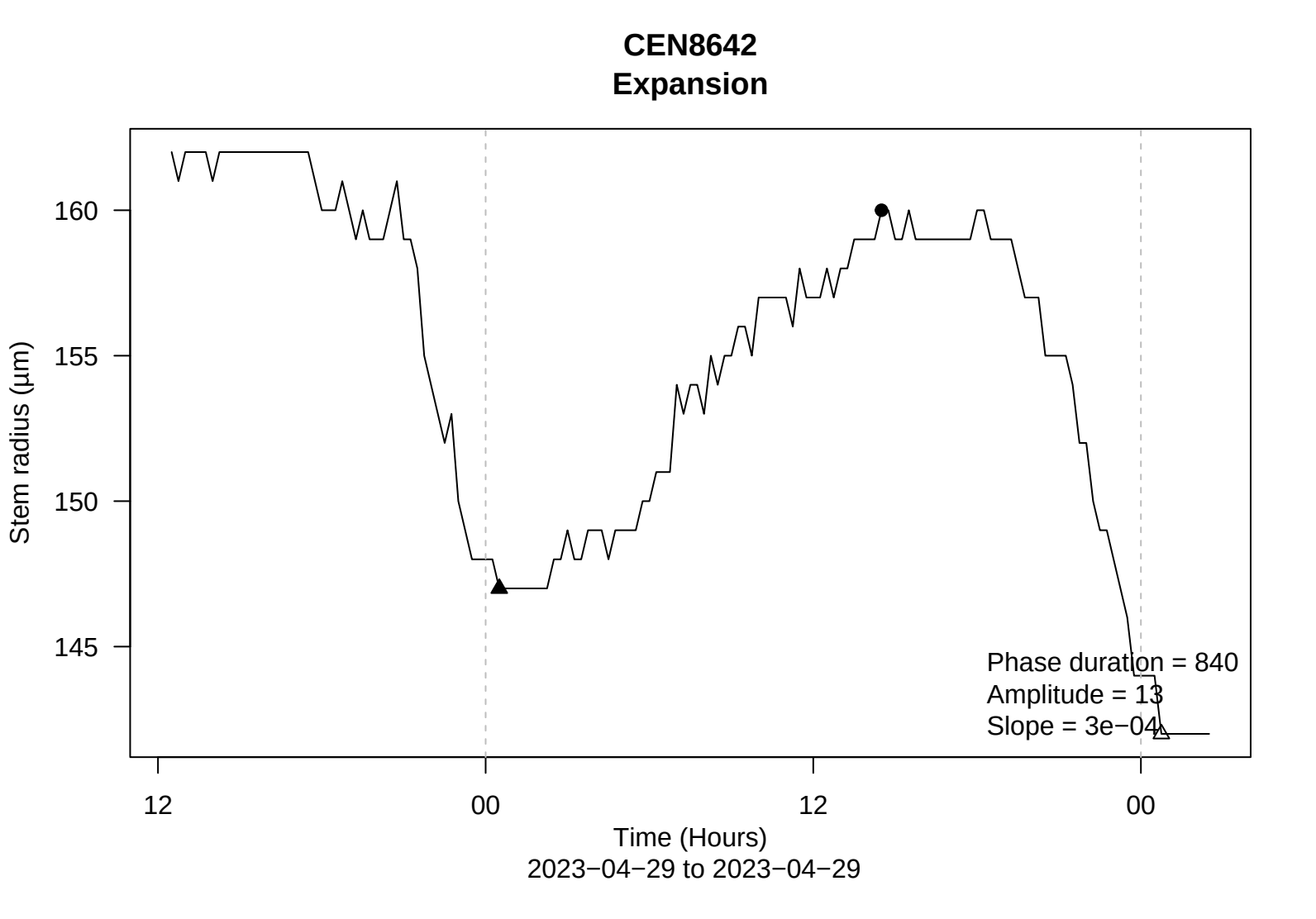

CEN8642
Shrinkage
Stem radius (µm)
225
220
215
210
Phase duration = 3285
Amplitude = −16
Slope = −1e−04
00
00
00
00
Time (Hours)
2023−04−21 to 2023−04−23

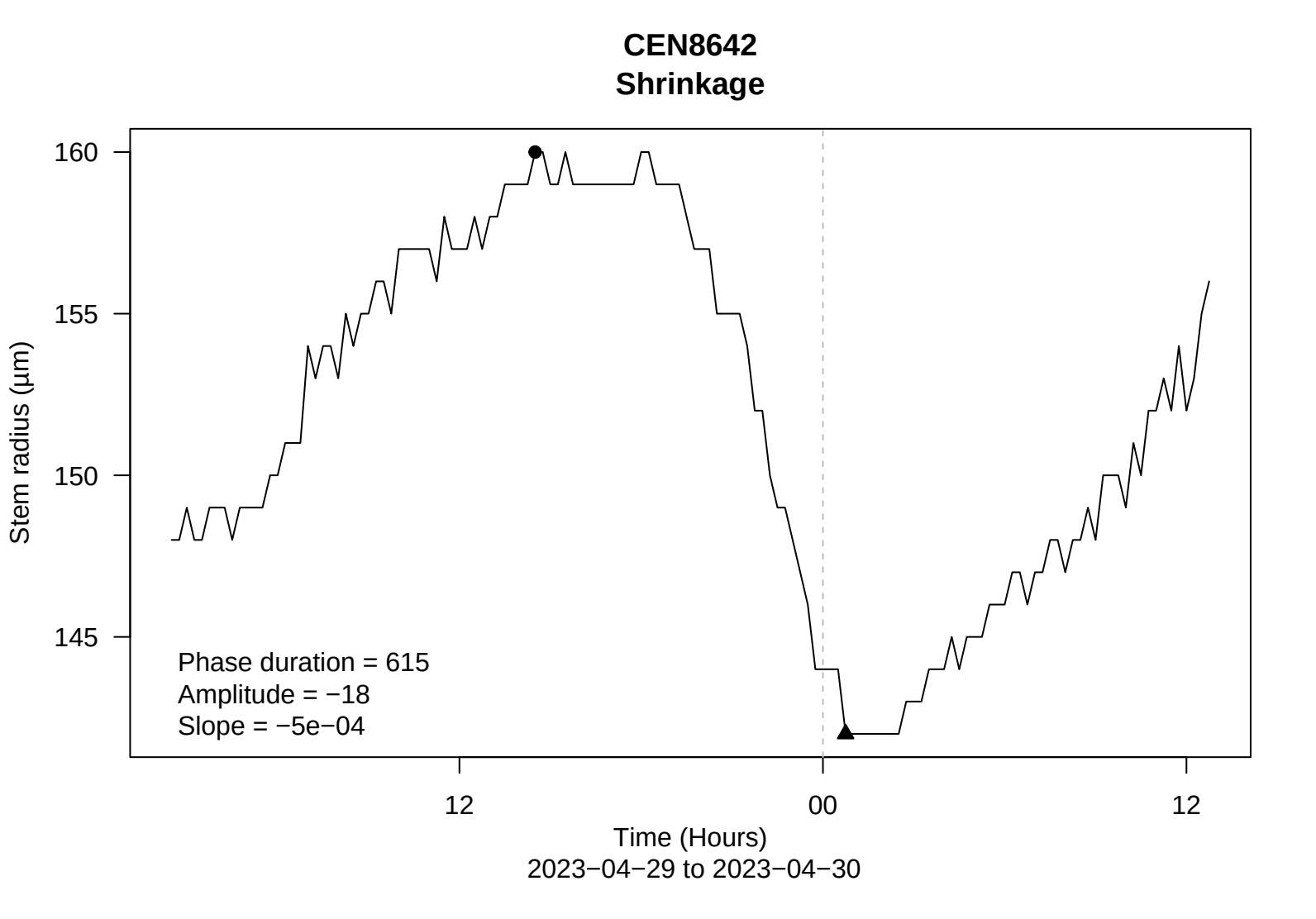

CEN8642
Expansion
215.0
214.5
214.0
213.5
213.0
Stem radius (µm)
00
12
00
Time (Hours)
2023−04−23 to 2023−04−23
Phase duration = 705
Amplitude = 2
Slope = 0

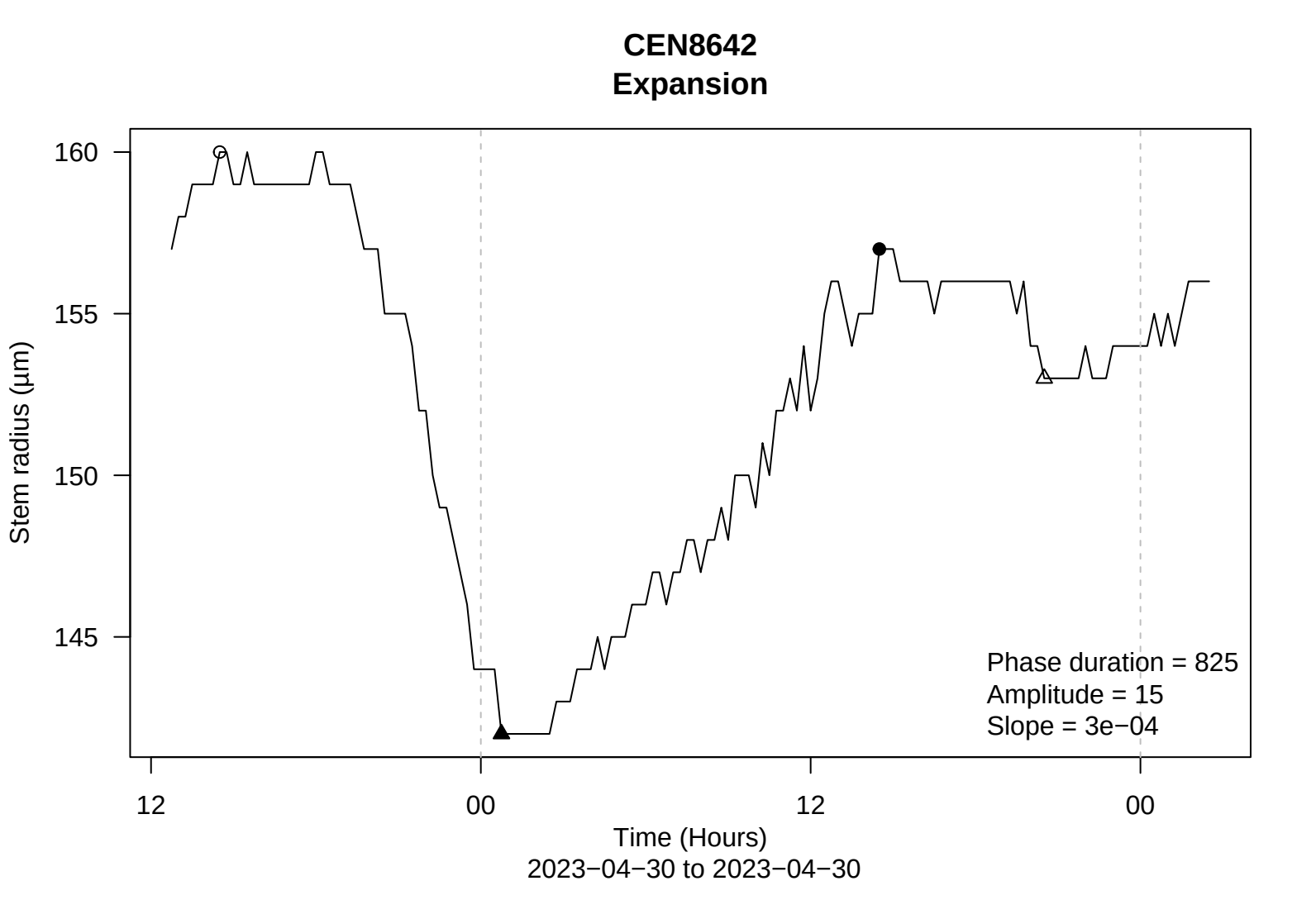

CEN8642
Shrinkage
215.0
214.5
214.0
213.5
213.0
Stem radius (µm)
Phase duration = 285
Amplitude = −2
Slope = 0
12
18
00
06
12
Time (Hours)
2023−04−23 to 2023−04−24

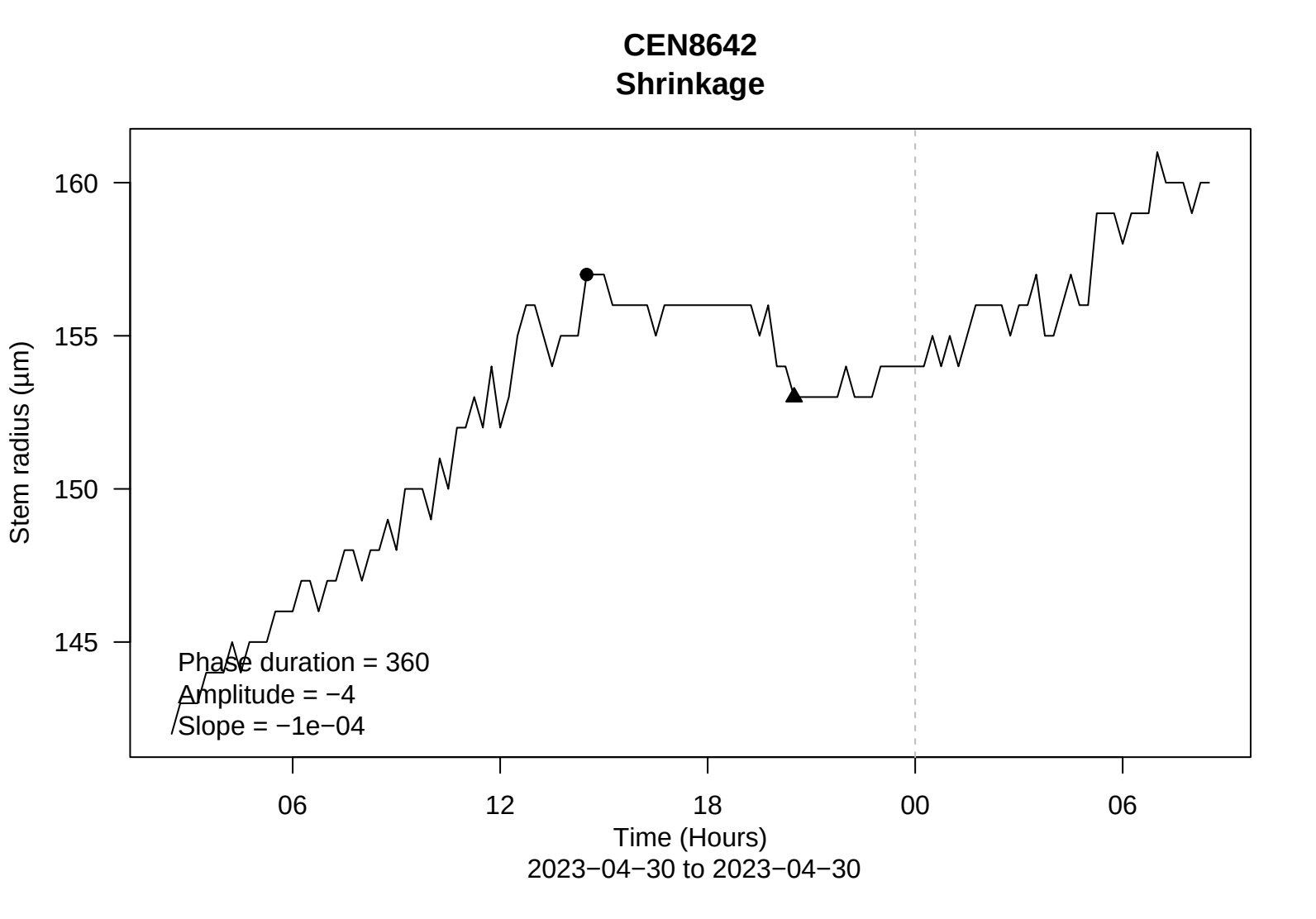

CEN8642
Shrinkage
215
210
205
200
195
190
185
Stem radius (µm)
Phase duration = 3945
Amplitude = −29
Slope = −1e−04
00
00
00
00
Time (Hours)
2023−04−24 to 2023−04−27

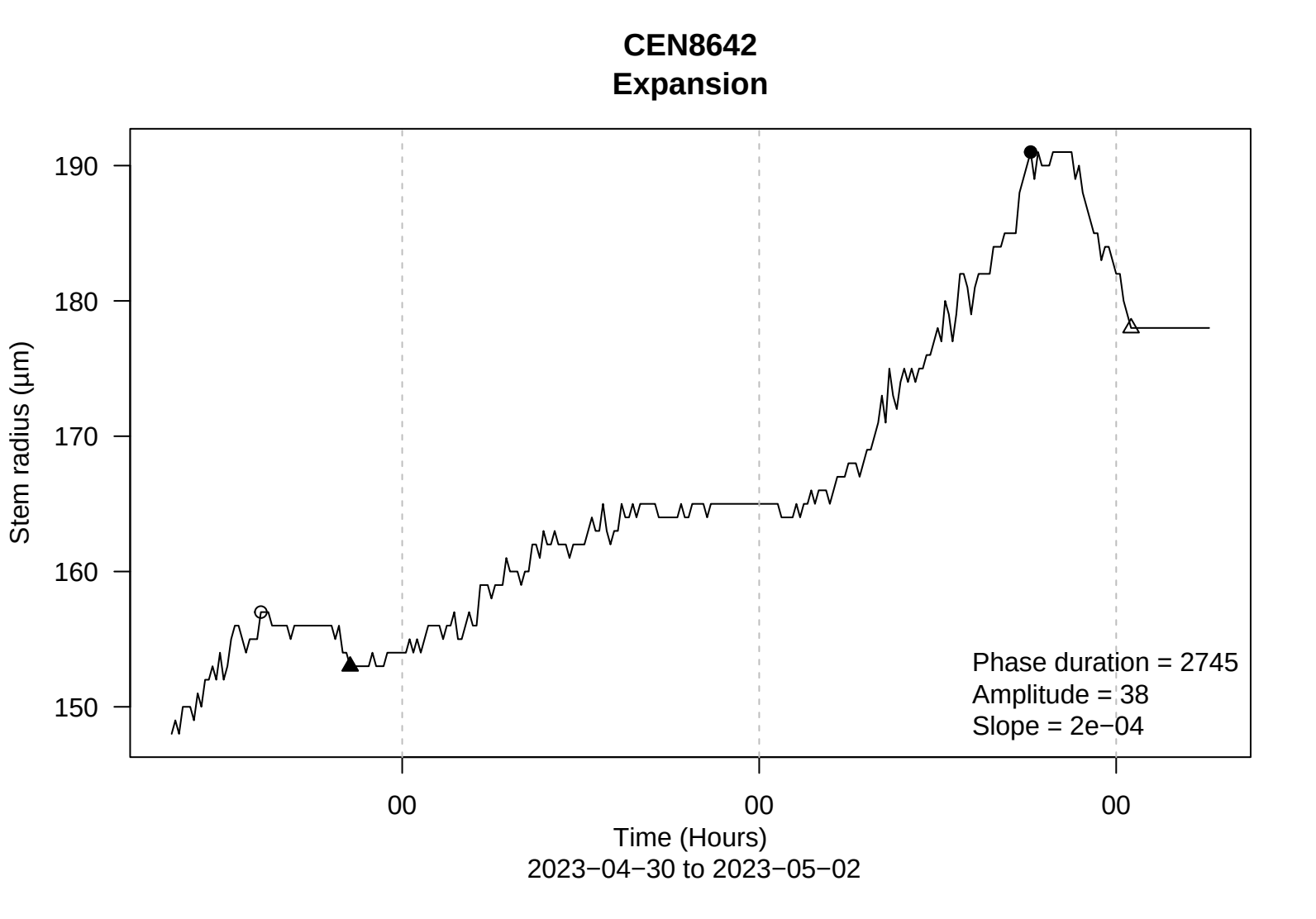

CEN8642
Shrinkage
190
180
170
160
150
Stem radius (µm)
Phase duration = 2190
Amplitude = −43
Slope = −3e−04
00
00
00
Time (Hours)
2023−04−27 to 2023−04−29

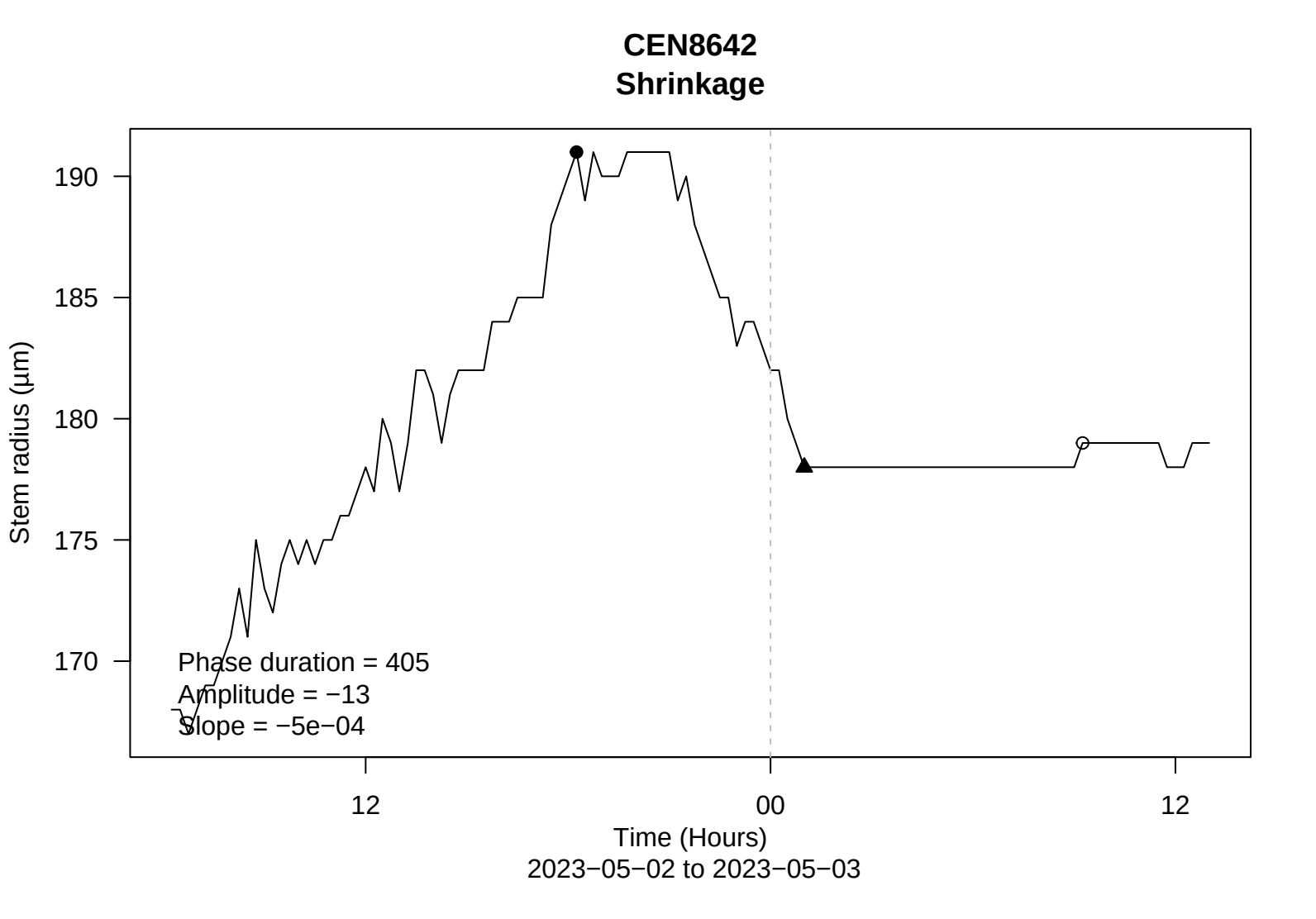

CEN8642
Expansion
160
155
150
145
Stem radius (µm)
Phase duration = 840
Amplitude = 13
Slope = 3e−04
12
00
12
00
Time (Hours)
2023−04−29 to 2023−04−29

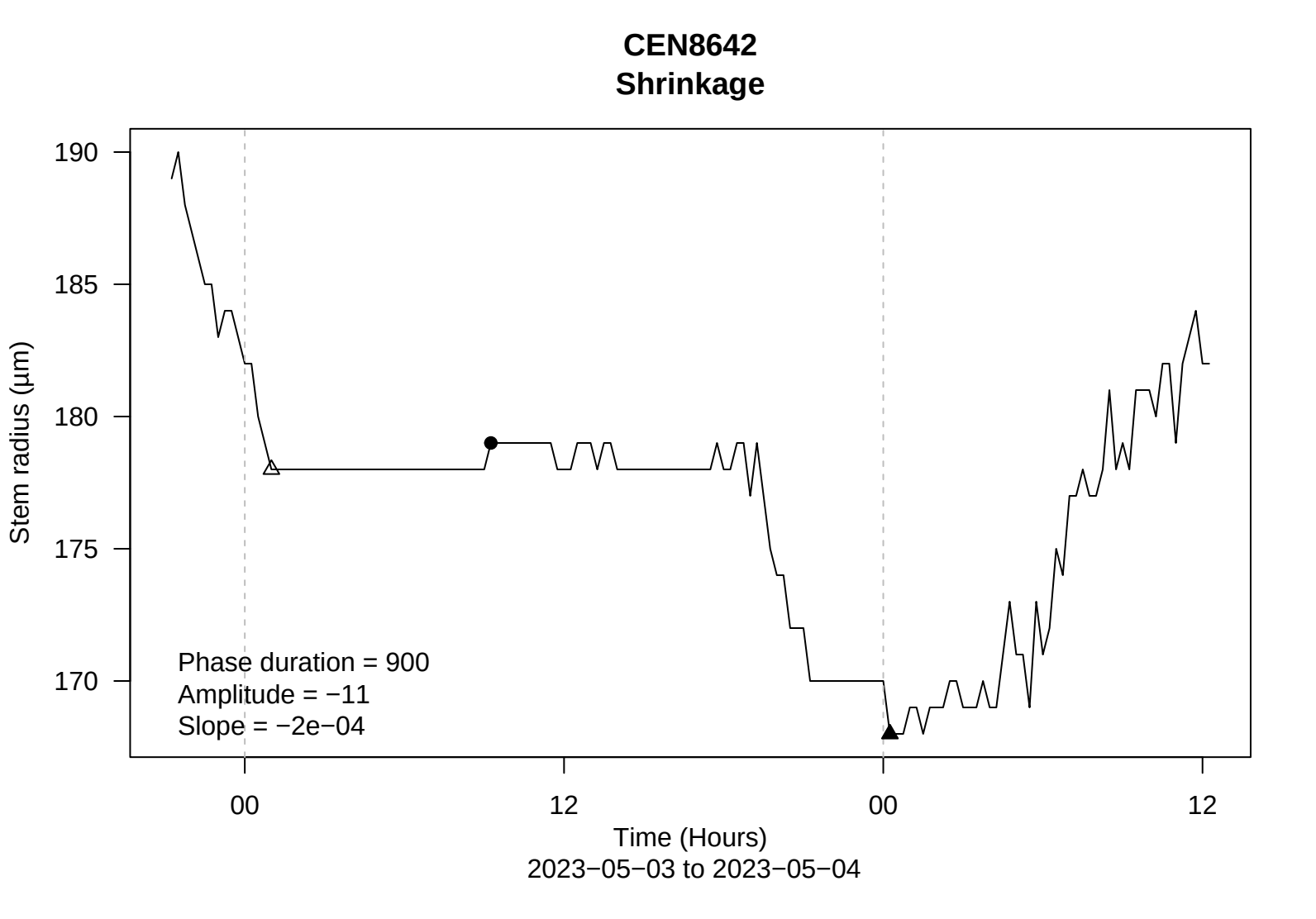

CEN8642
Shrinkage
160
155
150
145
Stem radius (µm)
Phase duration = 615
Amplitude = −18
Slope = −5e−04
12
00
12
Time (Hours)
2023−04−29 to 2023−04−30

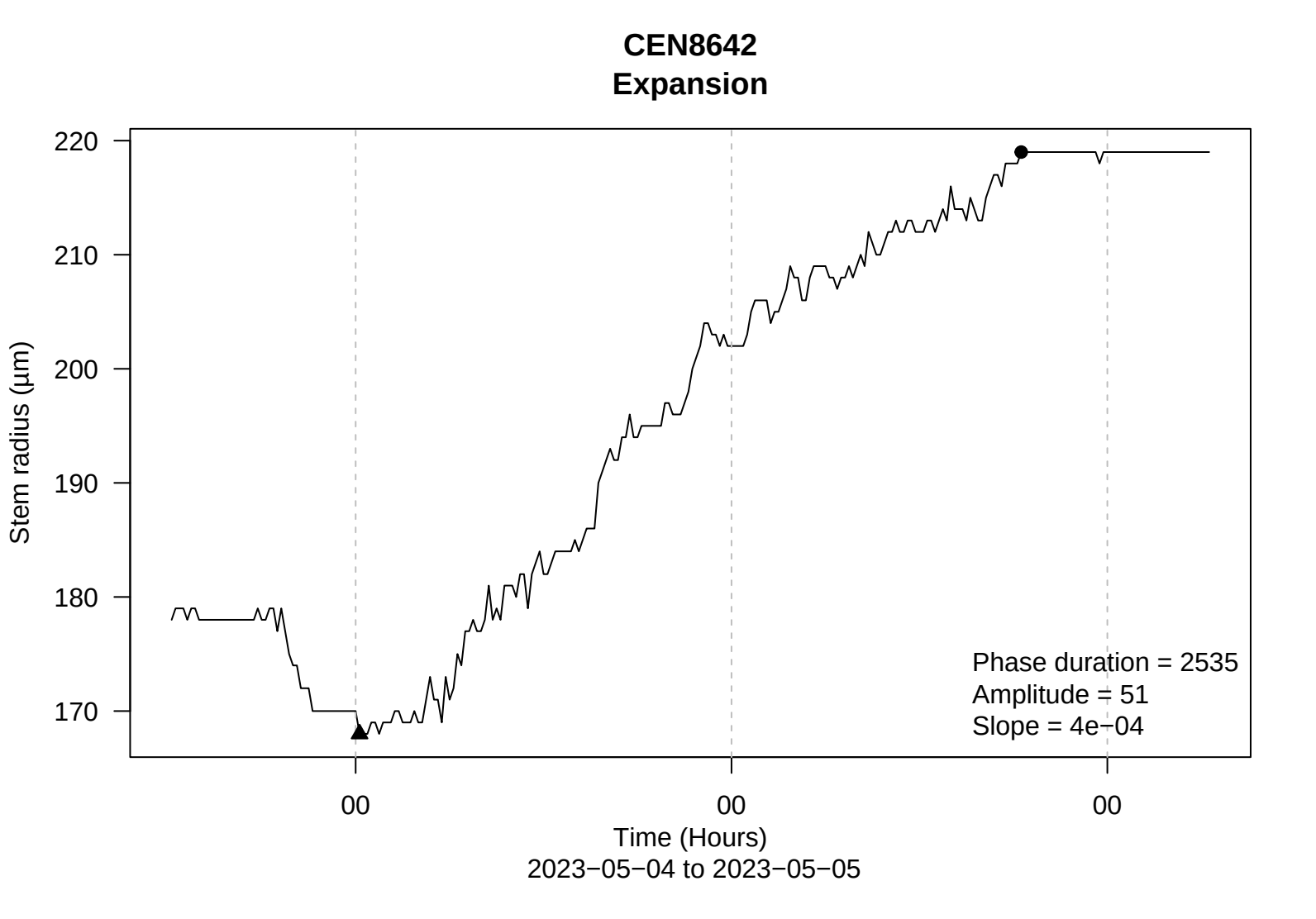

CEN8642
Expansion
160
155
150
145
Stem radius (µm)
Phase duration = 825
Amplitude = 15
Slope = 3e−04
12
00
12
00
Time (Hours)
2023−04−30 to 2023−04−30

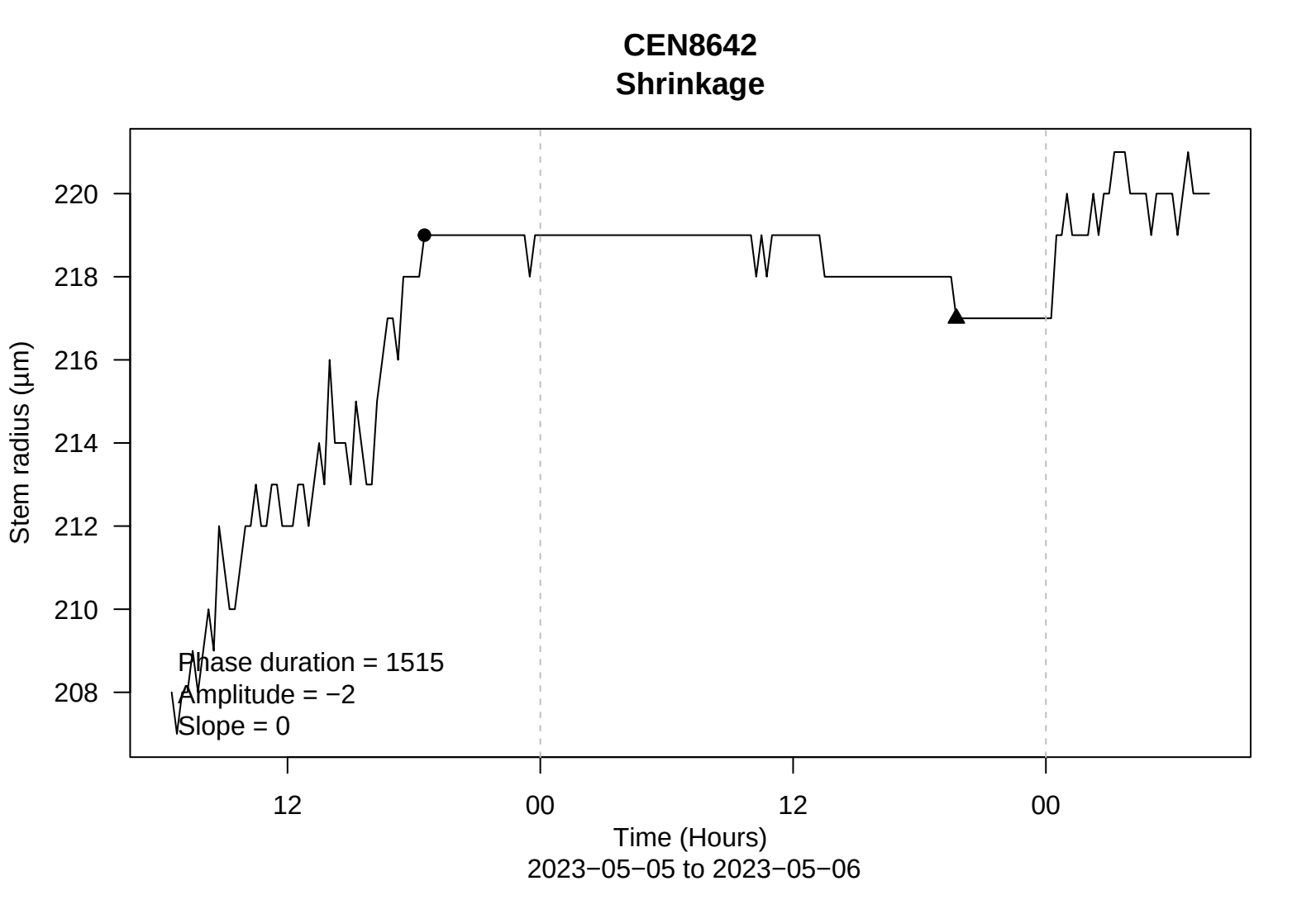

CEN8642
Shrinkage
160
155
150
145
Stem radius (µm)
Phase duration = 360
Amplitude = −4
Slope = −1e−04
06
12
18
00
06
Time (Hours)
2023−04−30 to 2023−04−30

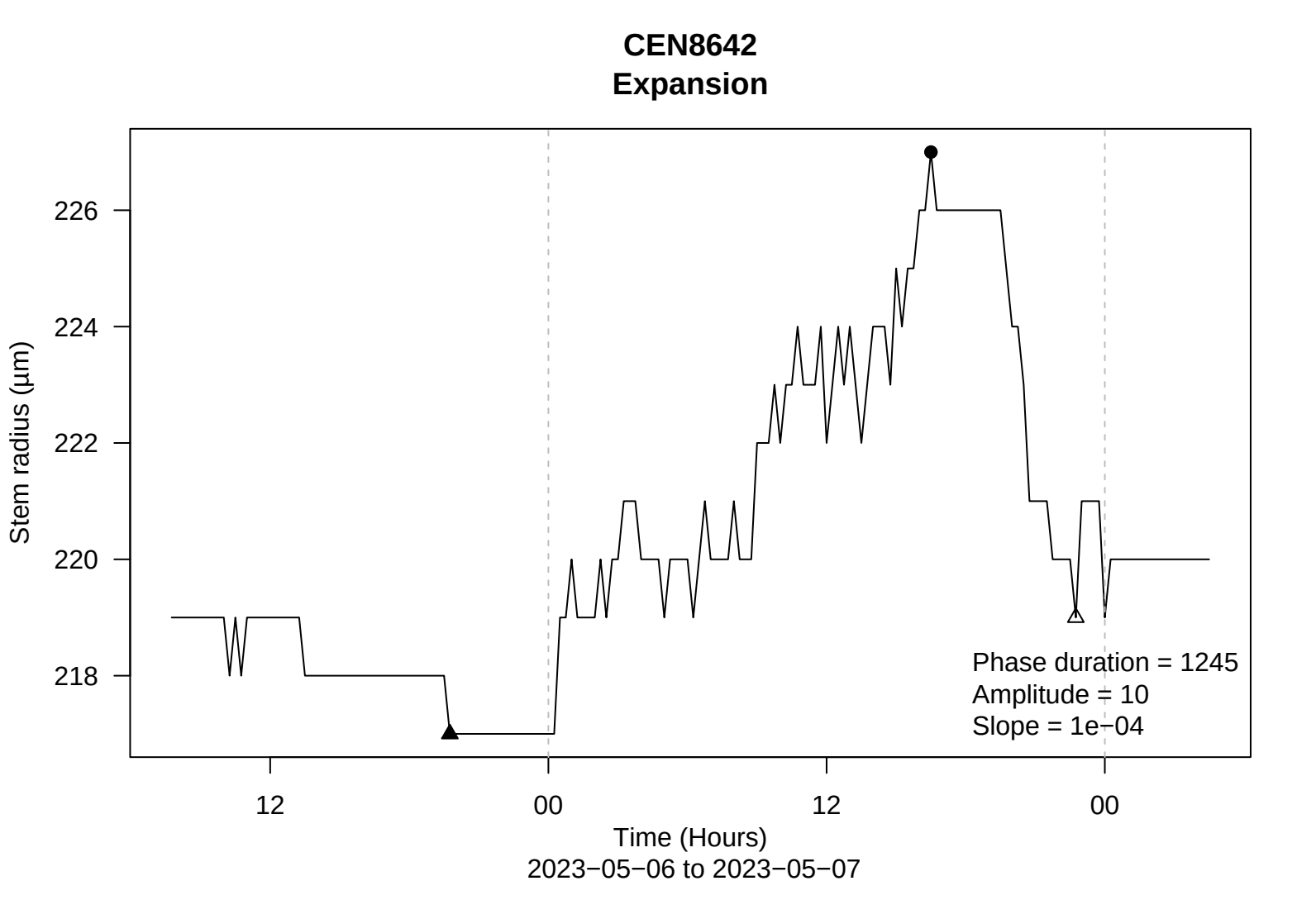

CEN8642
Expansion
190
180
170
160
150
Stem radius (µm)
Phase duration = 2745
Amplitude = 38
Slope = 2e−04
00
00
00
Time (Hours)
2023−04−30 to 2023−05−02

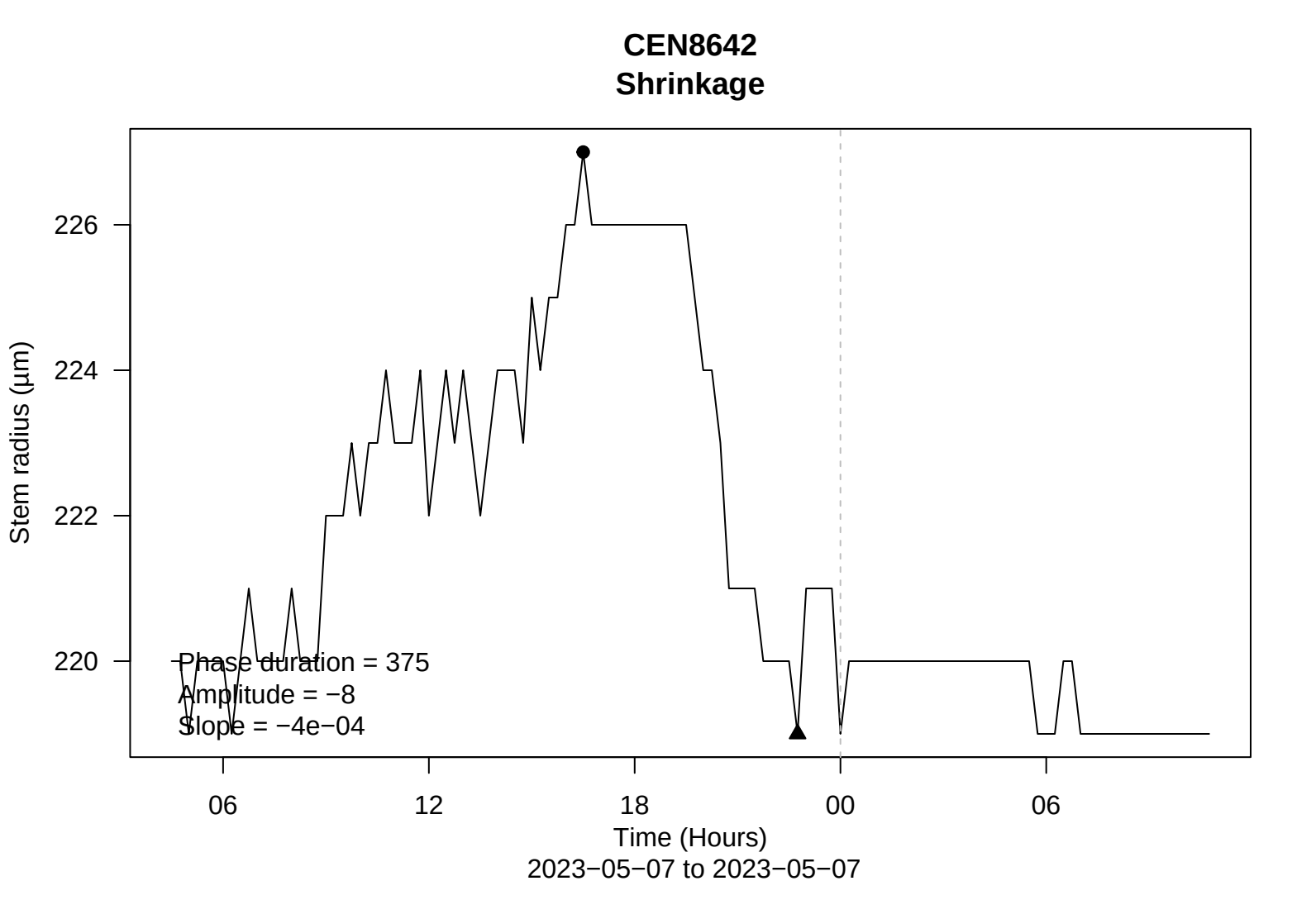

CEN8642
Shrinkage
190
185
180
175
170
Stem radius (µm)
Phase duration = 405
Amplitude = −13
Slope = −5e−04
12
00
12
Time (Hours)
2023−05−02 to 2023−05−03

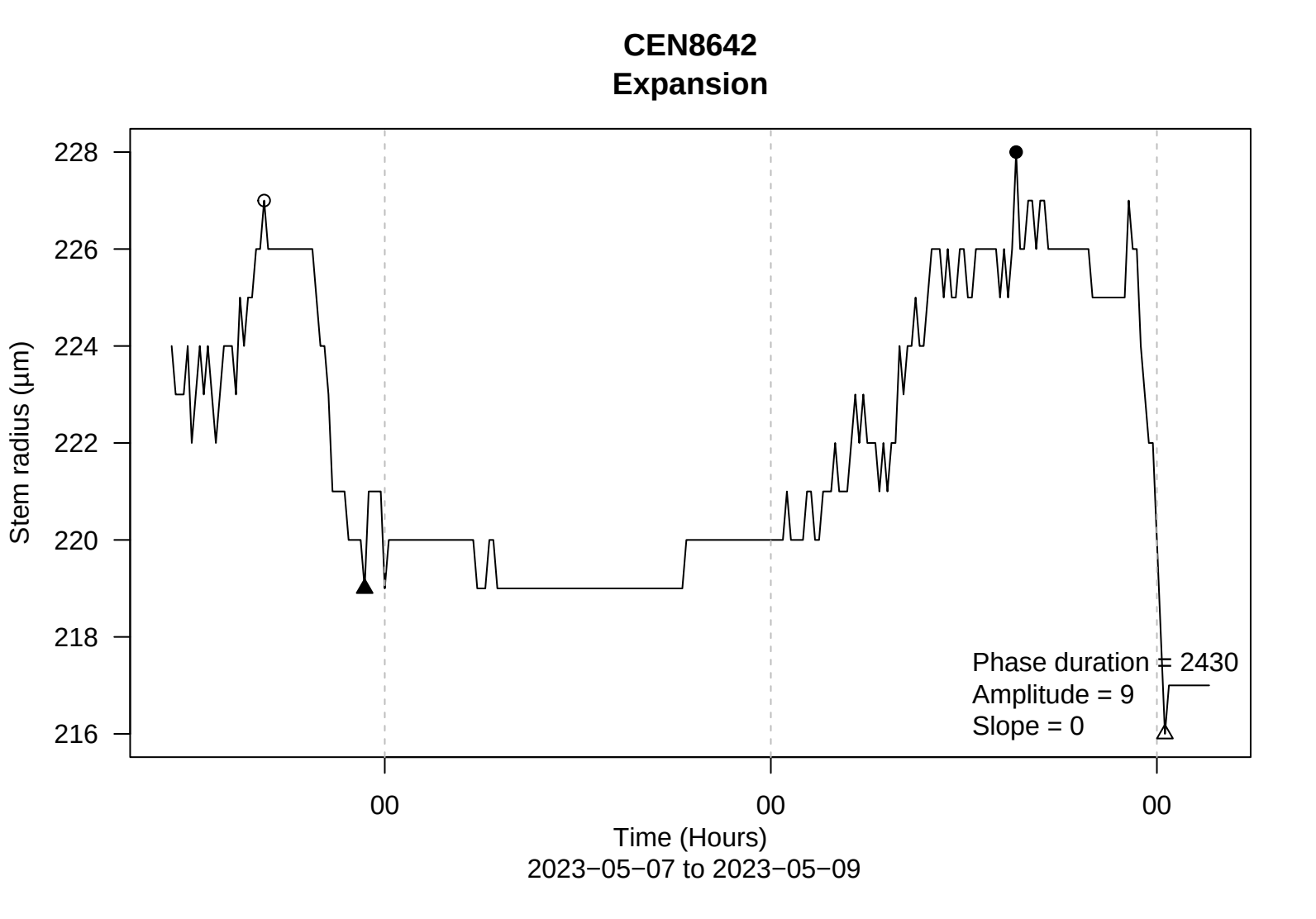

CEN8642
Shrinkage
190
185
180
175
170
Stem radius (µm)
Phase duration = 900
Amplitude = −11
Slope = −2e−04
00
12
00
12
Time (Hours)
2023−05−03 to 2023−05−04

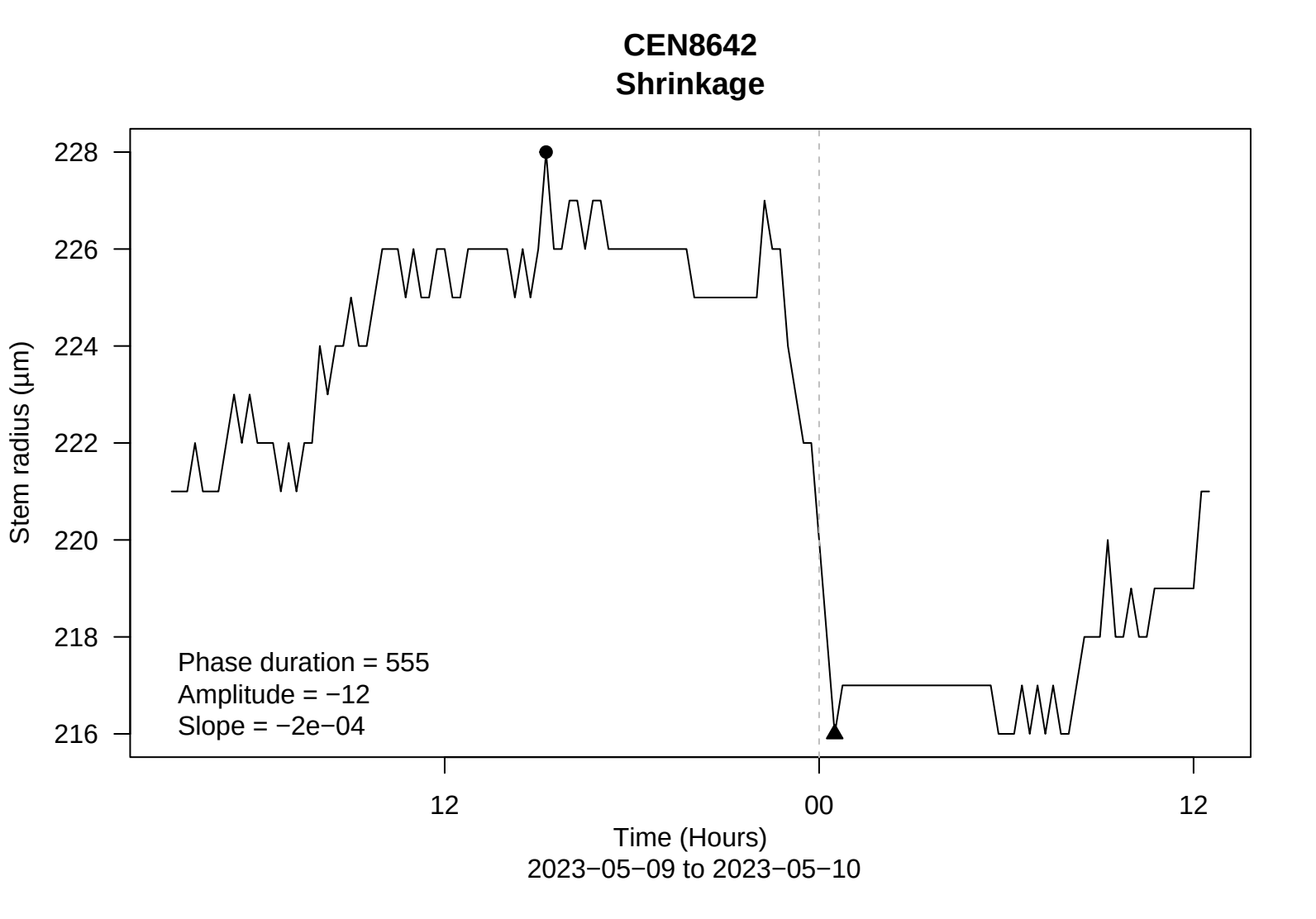

CEN8642
Expansion
220
210
200
190
180
170
Stem radius (µm)
00
00
00
Time (Hours)
2023−05−04 to 2023−05−05
Phase duration = 2535
Amplitude = 51
Slope = 4e−04

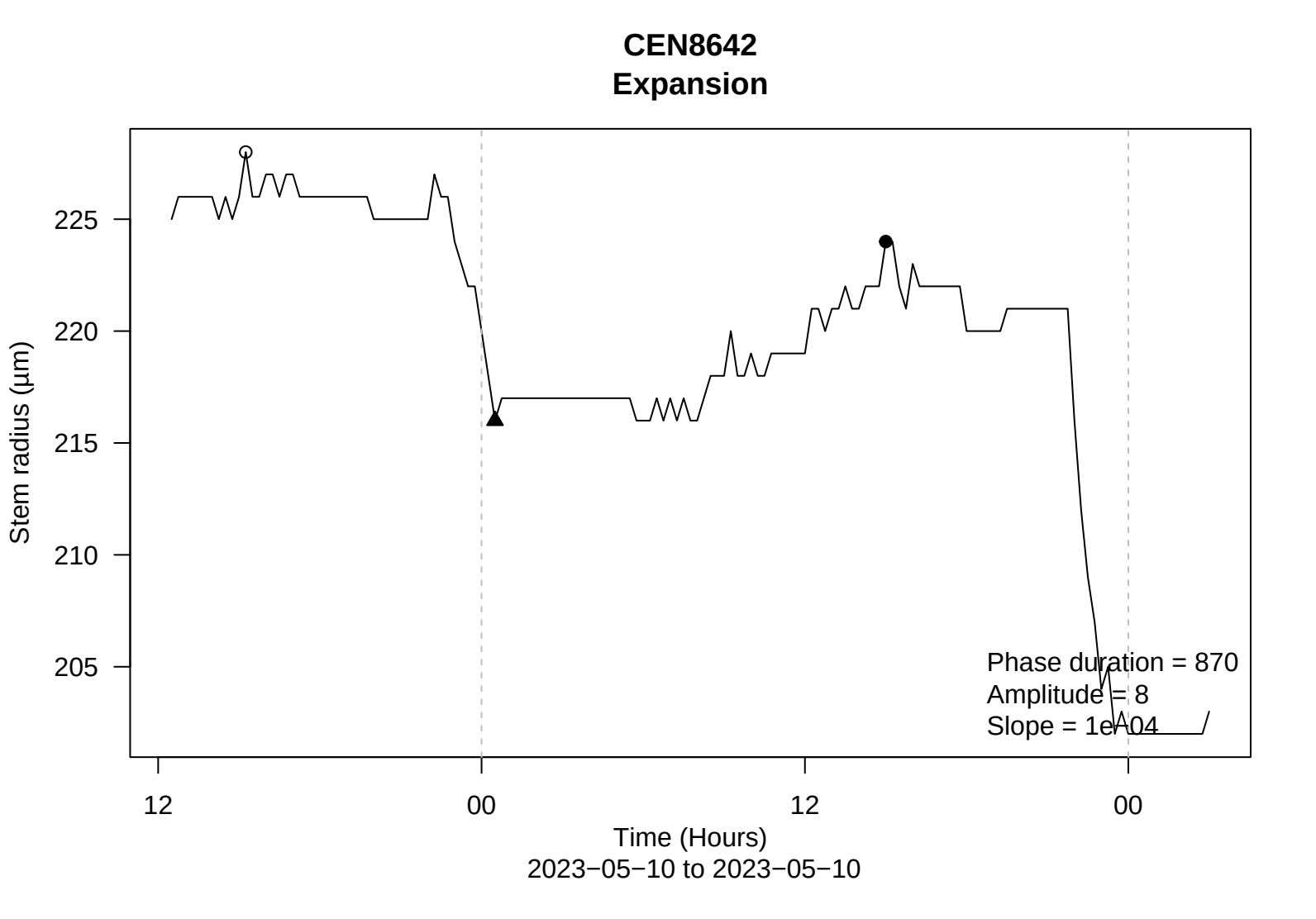

CEN8642
Shrinkage
Stem radius (µm)
220
218
216
214
212
210
208
Phase duration = 1515
Amplitude = −2
Slope = 0
12
00
12
00
Time (Hours)
2023−05−05 to 2023−05−06

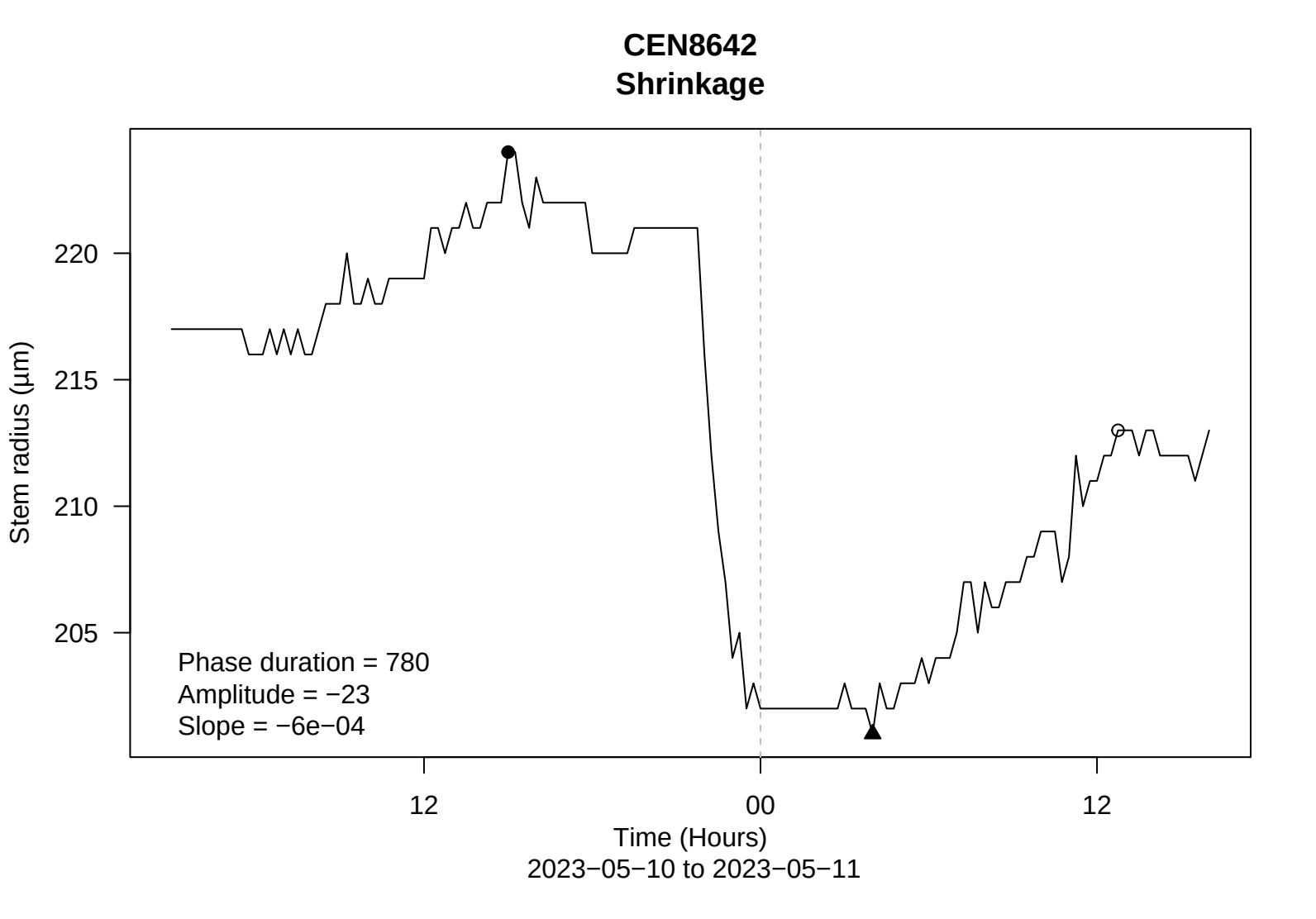

CEN8642
Expansion
Stem radius (µm)
226
224
222
220
218
12
00
12
00
Time (Hours)
2023−05−06 to 2023−05−07
Phase duration = 1245
Amplitude = 10
Slope = 1e−04

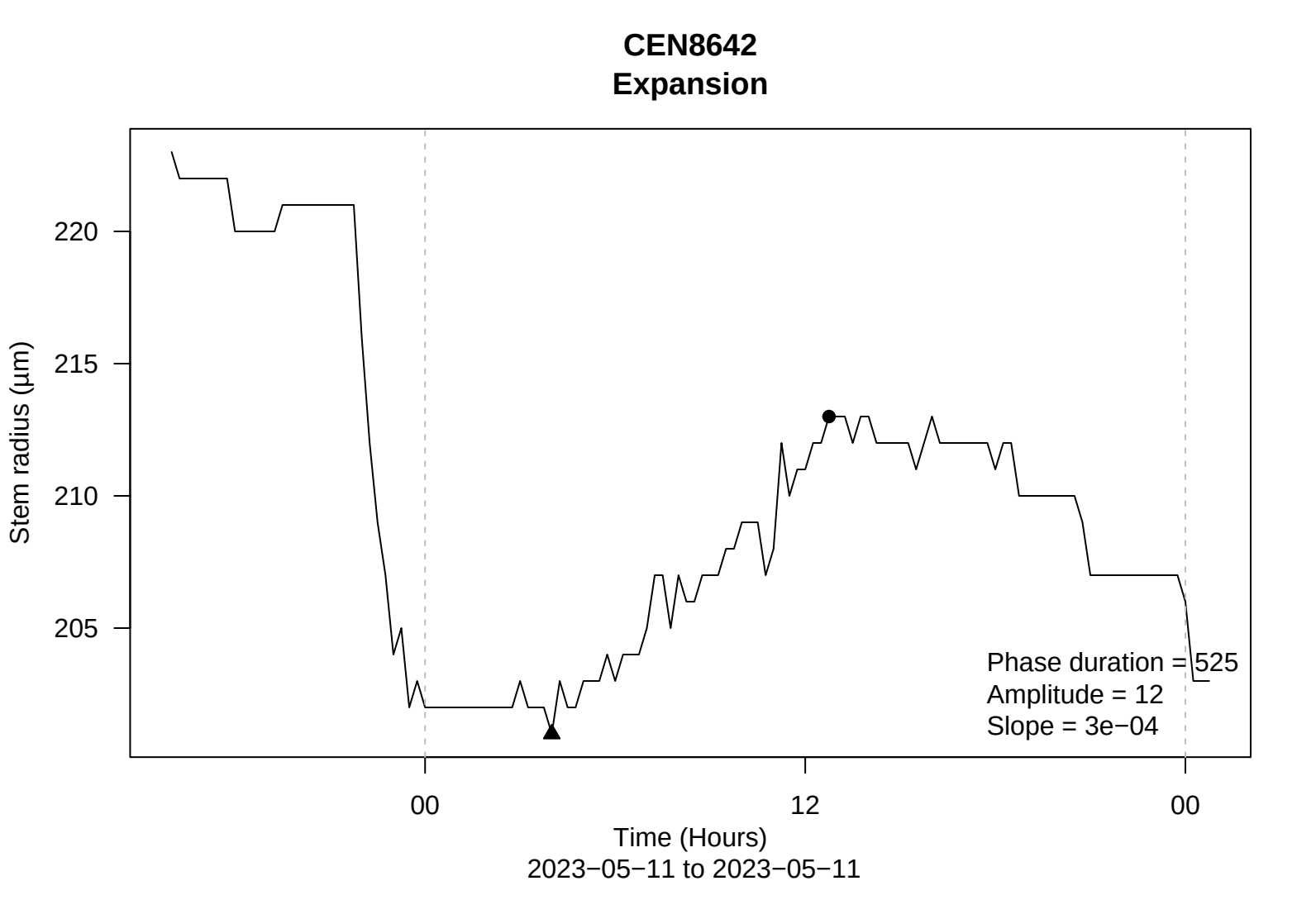

CEN8642
Shrinkage
Stem radius (µm)
226
224
222
220
Phase duration = 375
Amplitude = −8
Slope = −4e−04
06
12
18
00
06
Time (Hours)
2023−05−07 to 2023−05−07

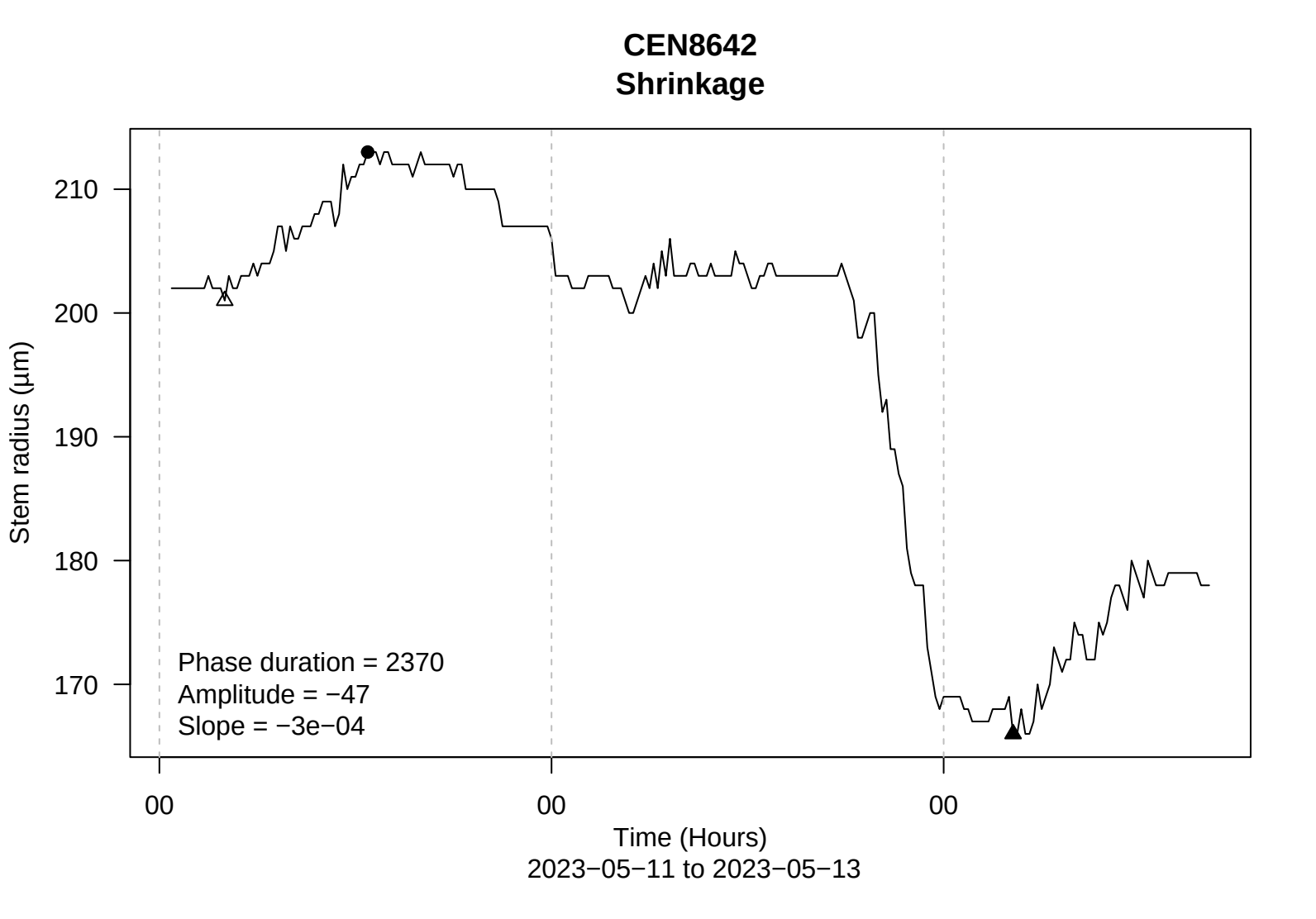

CEN8642
Expansion
228
226
224
222
220
218
216
Stem radius (µm)
00
00
00
Time (Hours)
2023−05−07 to 2023−05−09
Phase duration = 2430
Amplitude = 9
Slope = 0

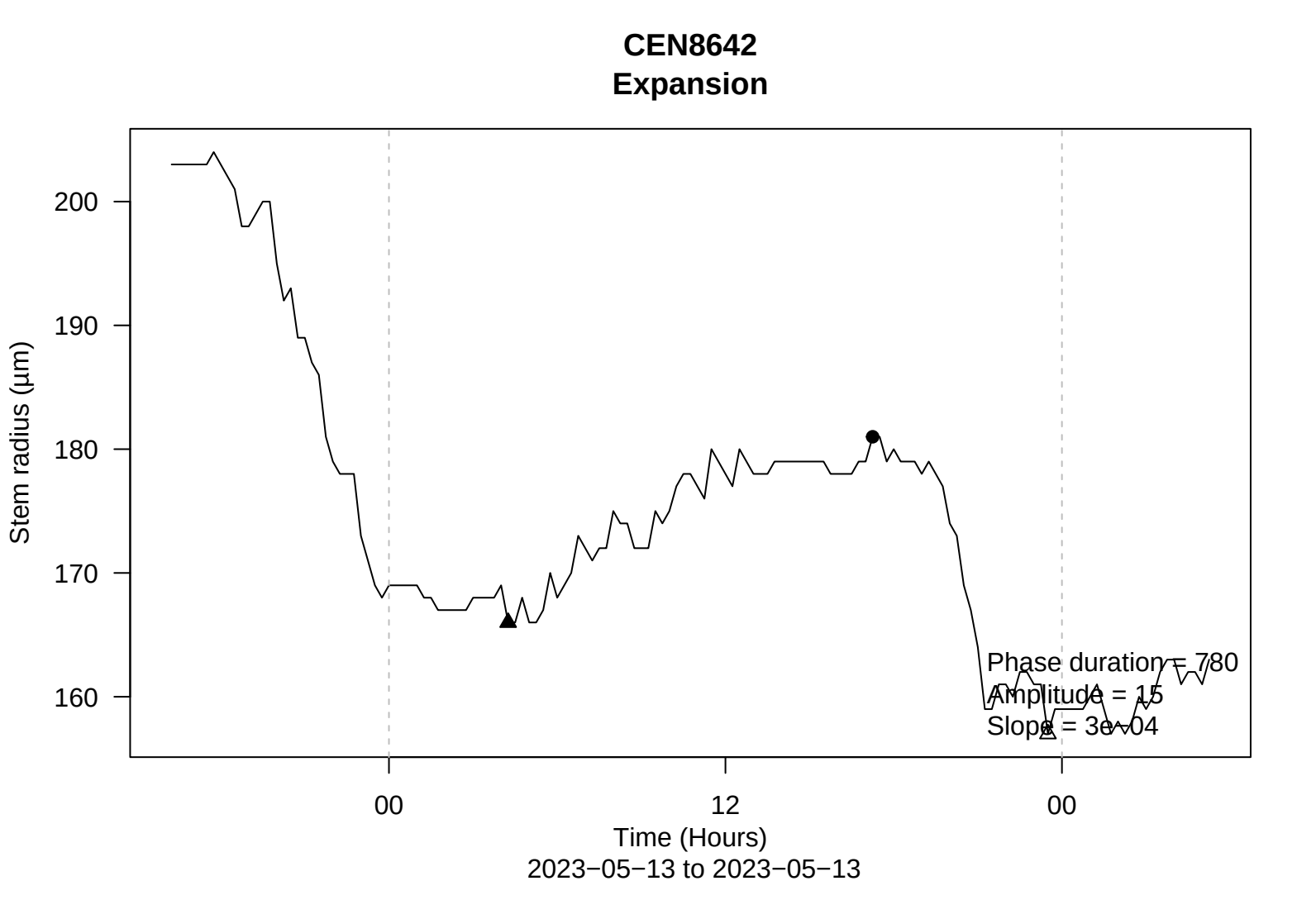

CEN8642
Shrinkage
228
226
224
222
220
218
216
Stem radius (µm)
Phase duration = 555
Amplitude = −12
Slope = −2e−04
12
00
12
Time (Hours)
2023−05−09 to 2023−05−10

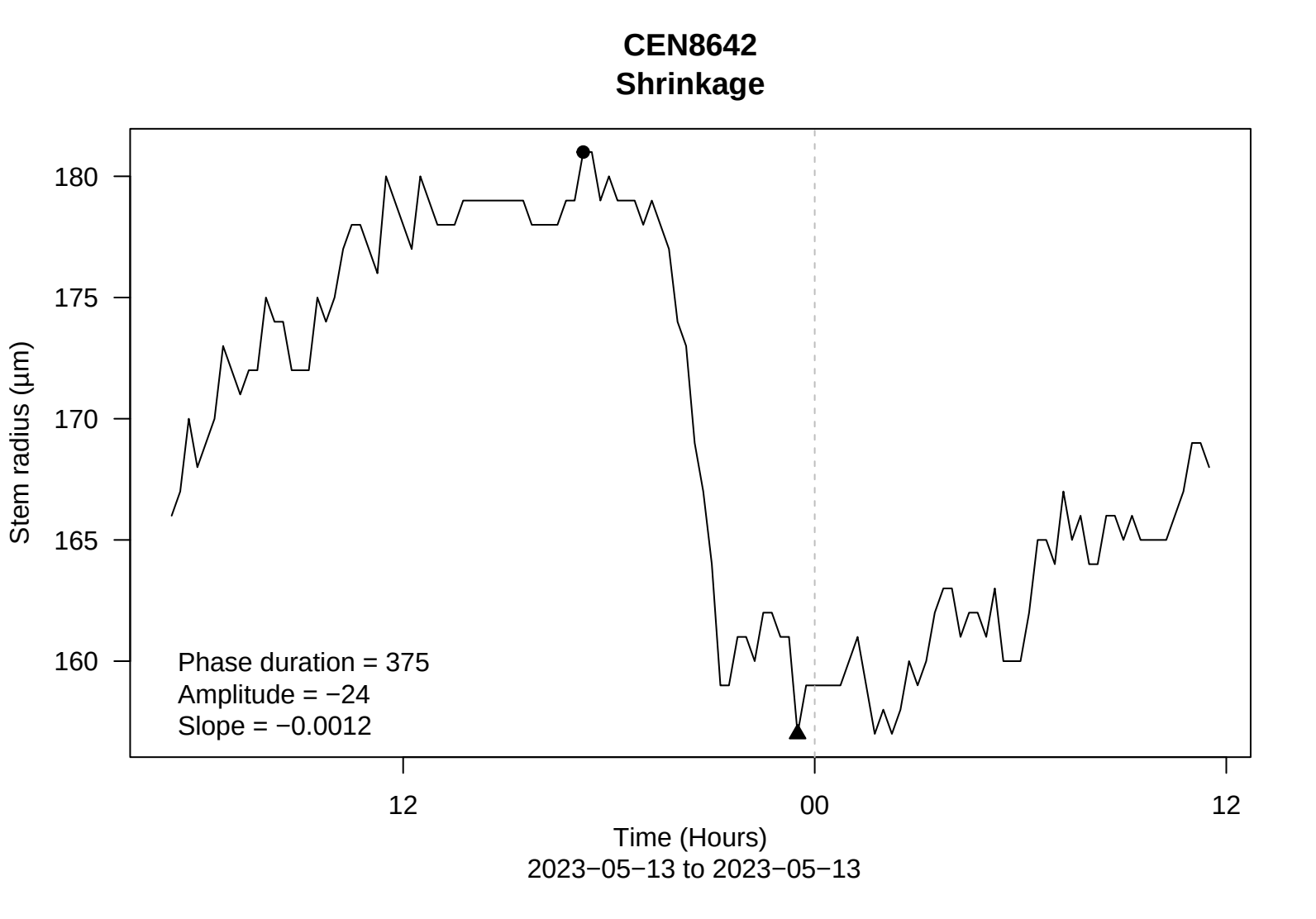

CEN8642
Expansion
225
220
215
210
205
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−05−10 to 2023−05−10
Phase duration = 870
Amplitude = 8
Slope = 1e−04

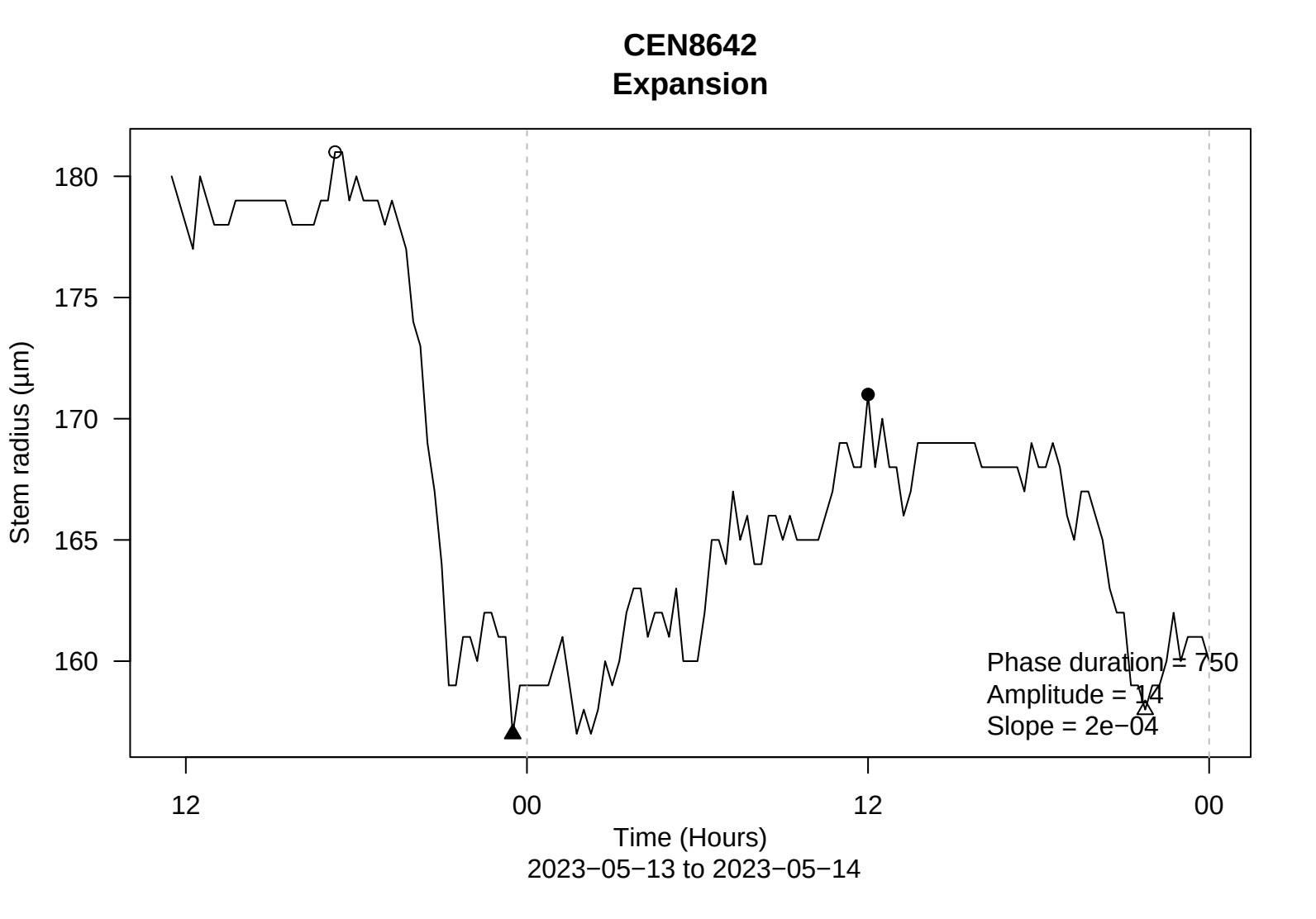

CEN8642
Shrinkage
Stem radius (µm)
220
215
210
205
Phase duration = 780
Amplitude = −23
Slope = −6e−04
12
00
12
Time (Hours)
2023−05−10 to 2023−05−11

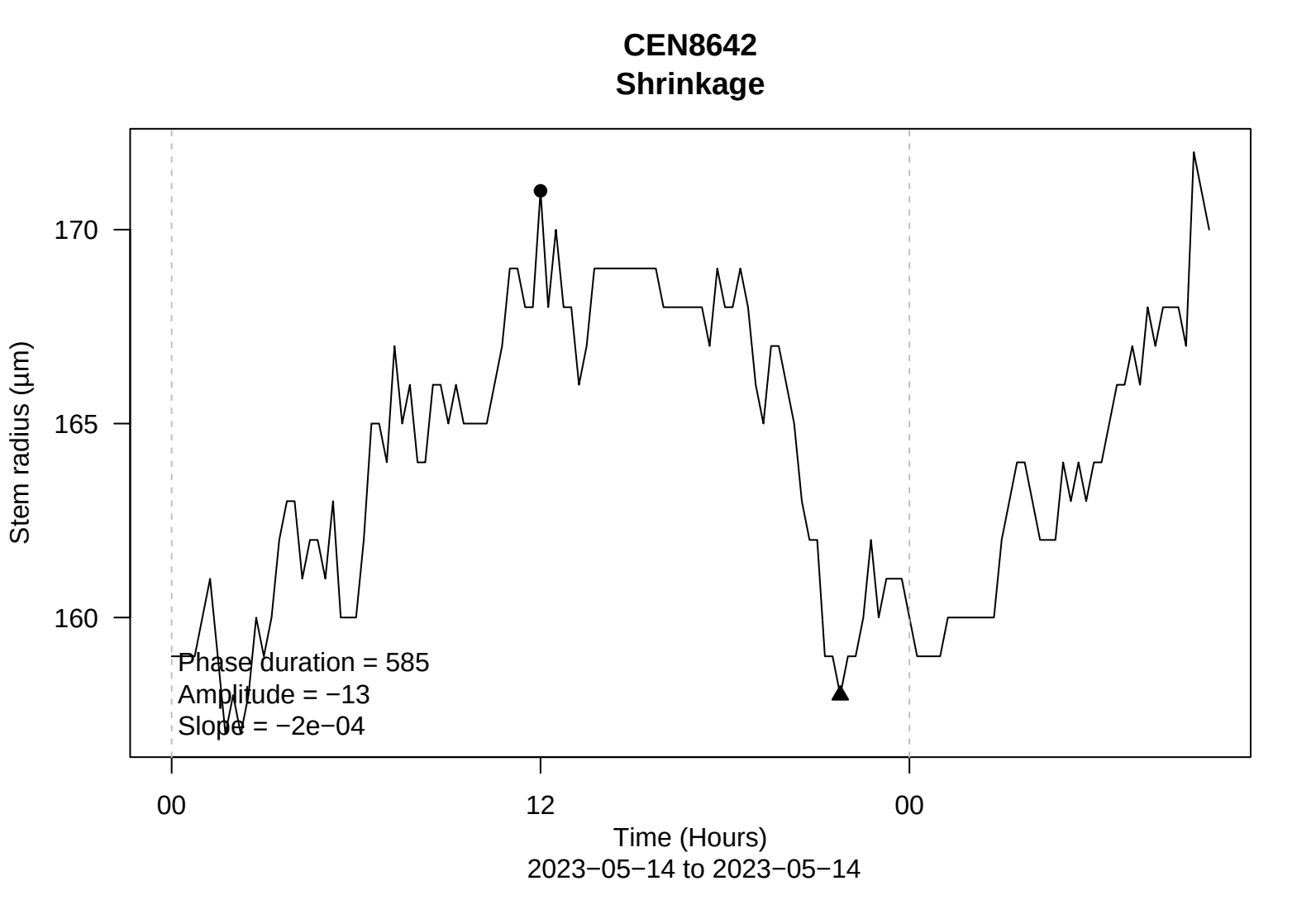

CEN8642
Expansion
220
215
210
205
Stem radius (µm)
Phase duration = 525
Amplitude = 12
Slope = 3e−04
00
12
00
Time (Hours)
2023−05−11 to 2023−05−11

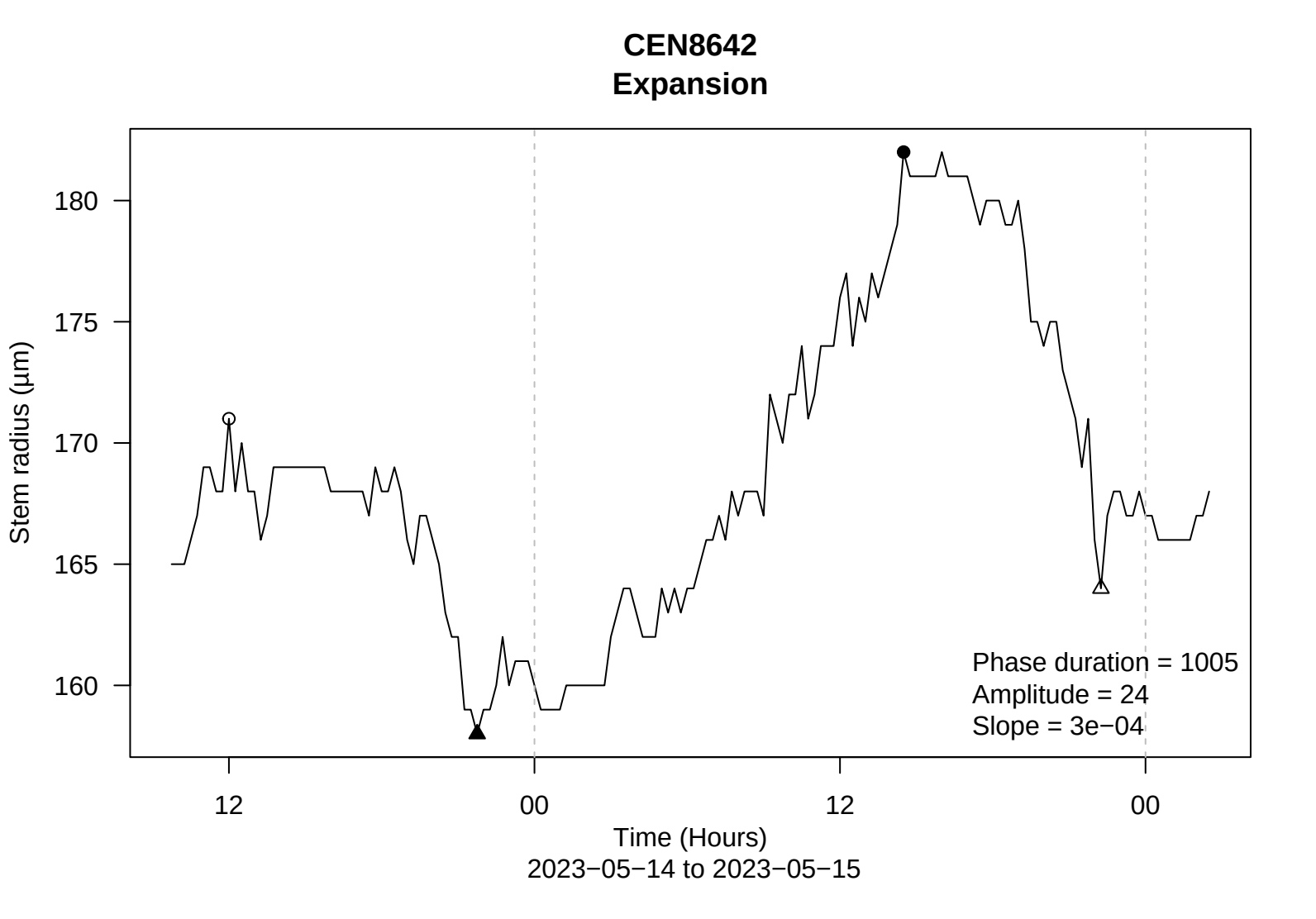

CEN8642
Shrinkage
210
200
190
180
170
Stem radius (µm)
Phase duration = 2370
Amplitude = −47
Slope = −3e−04
00
00
00
Time (Hours)
2023−05−11 to 2023−05−13

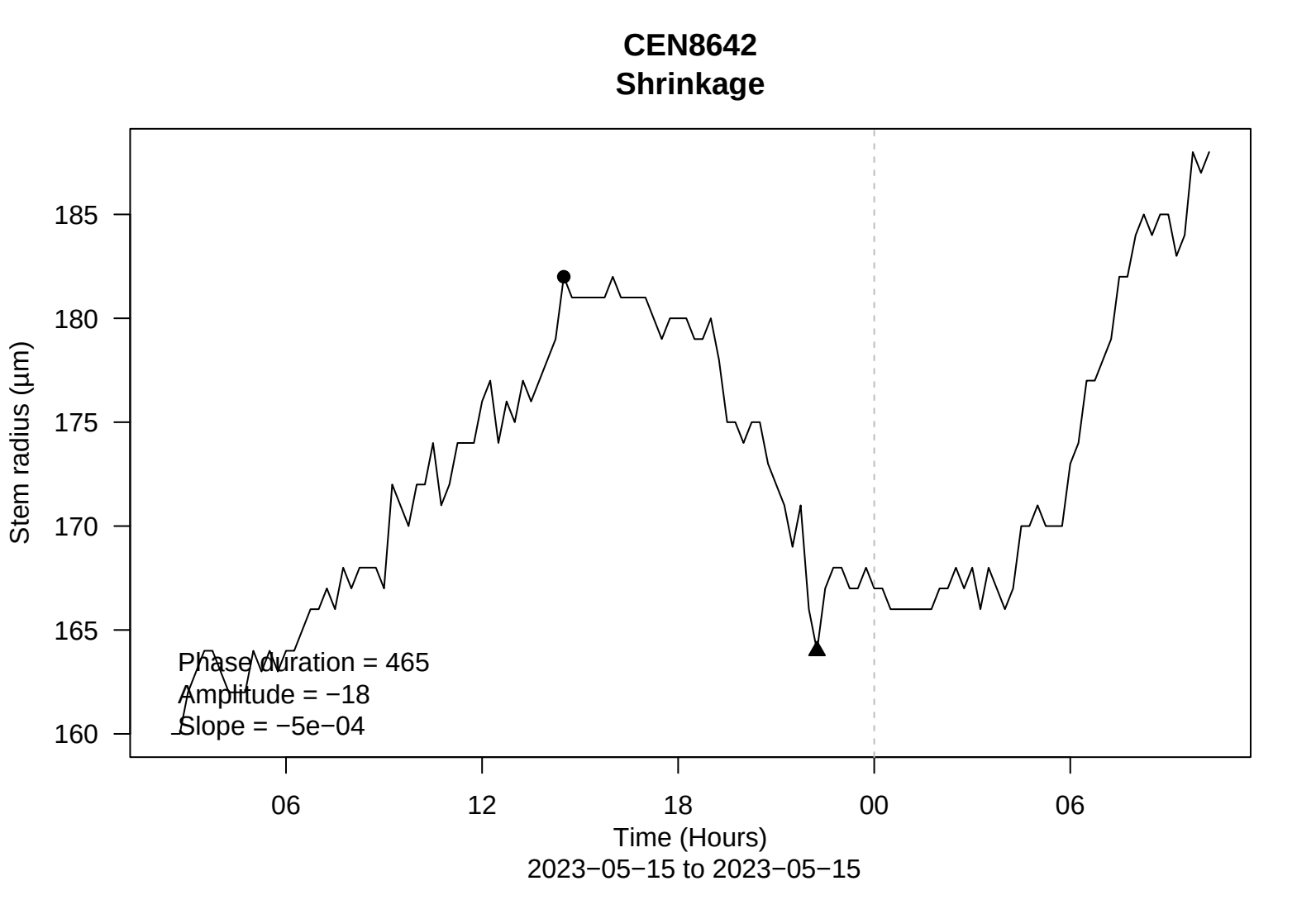

CEN8642
Expansion
200
190
180
170
160
Stem radius (µm)
Phase duration = 780
Amplitude = 15
Slope = 3e−04
00
12
00
Time (Hours)
2023−05−13 to 2023−05−13

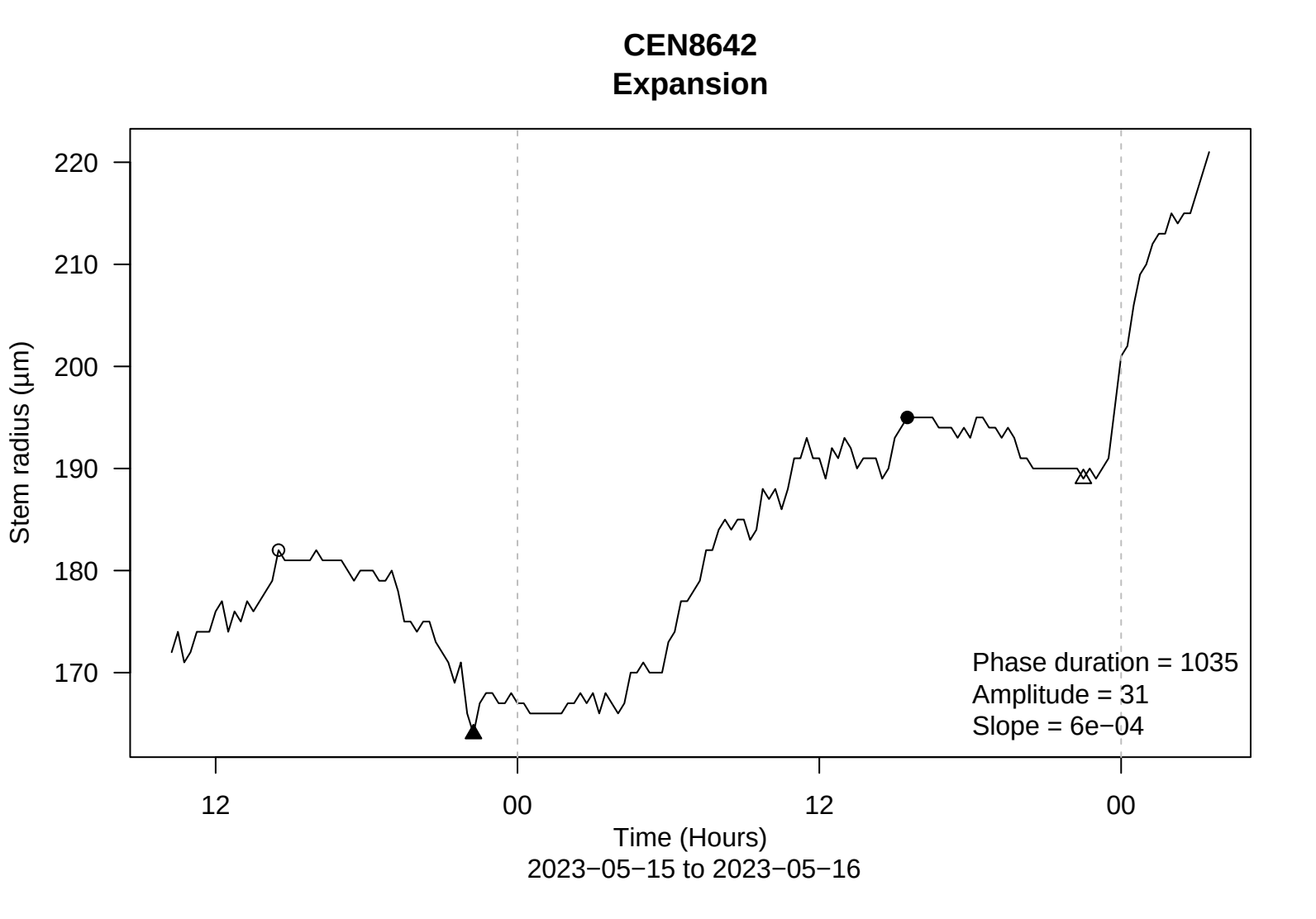

CEN8642
Shrinkage
180
175
170
165
160
Stem radius (µm)
Phase duration = 375
Amplitude = −24
Slope = −0.0012
12
00
12
Time (Hours)
2023−05−13 to 2023−05−13

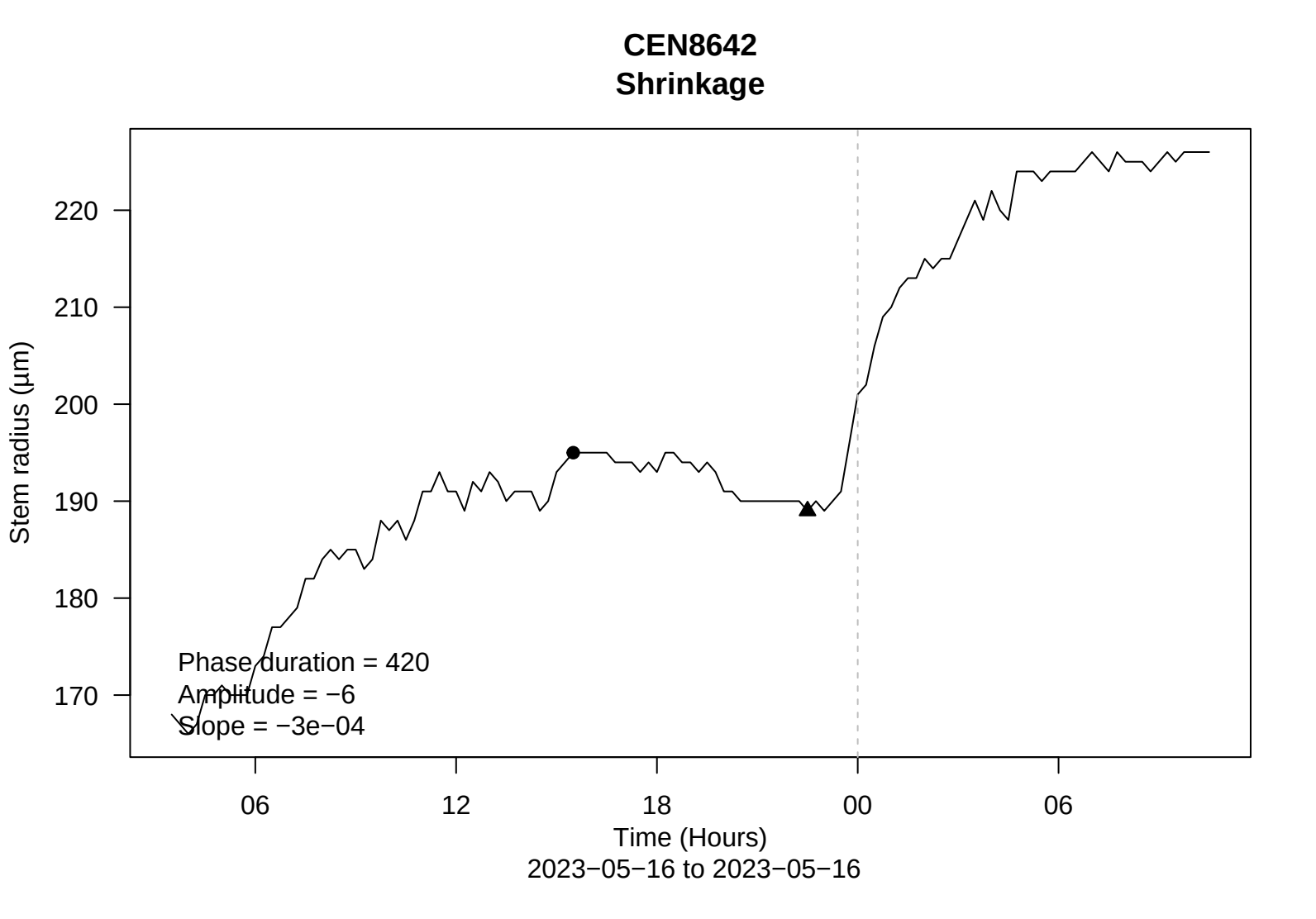

CEN8642
Expansion
180
175
170
165
160
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−05−13 to 2023−05−14
Phase duration = 750
Amplitude = 14
Slope = 2e−04

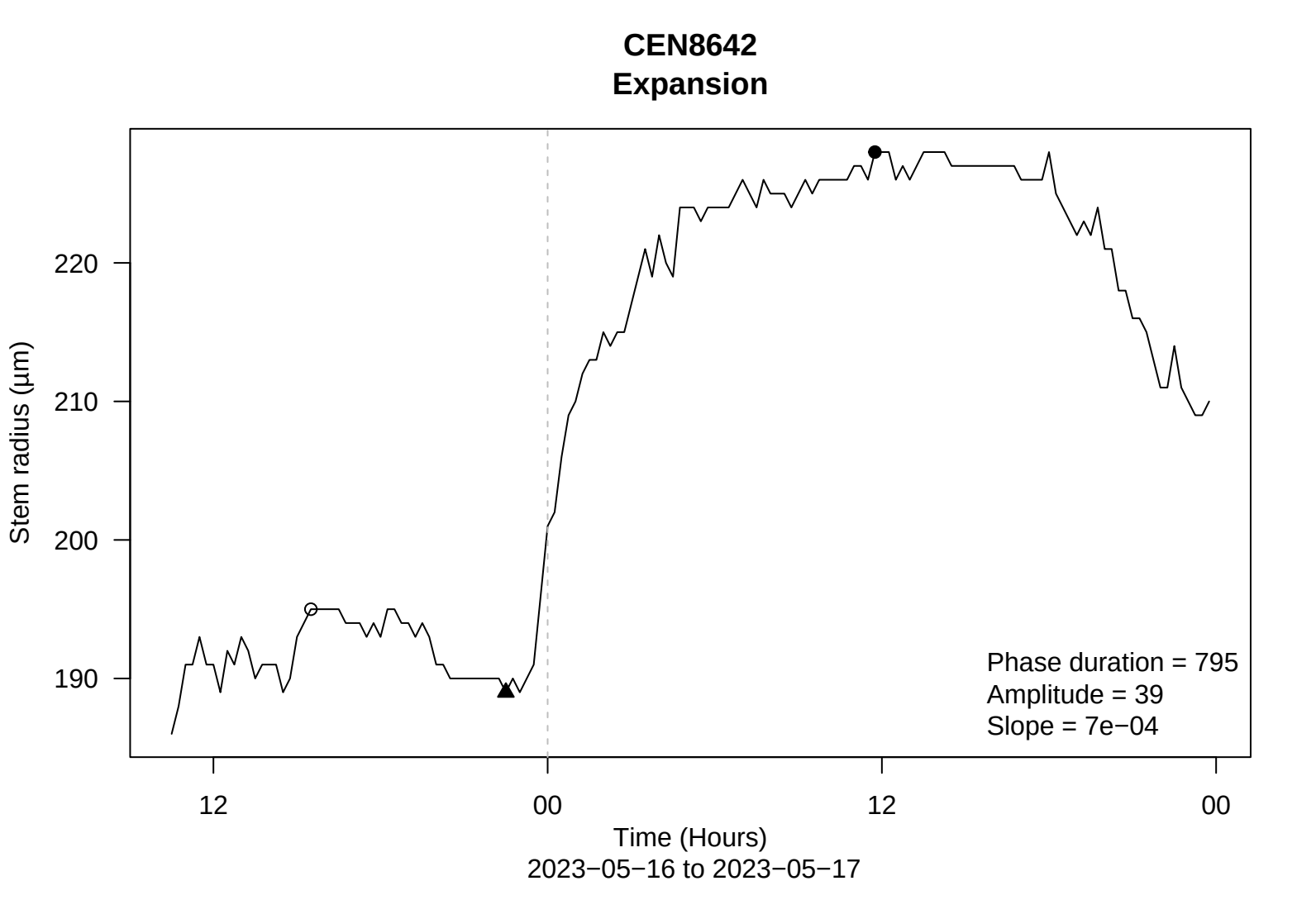

CEN8642
Shrinkage
170
165
160
Stem radius (µm)
Phase duration = 585
Amplitude = −13
Slope = −2e−04
00
12
00
Time (Hours)
2023−05−14 to 2023−05−14

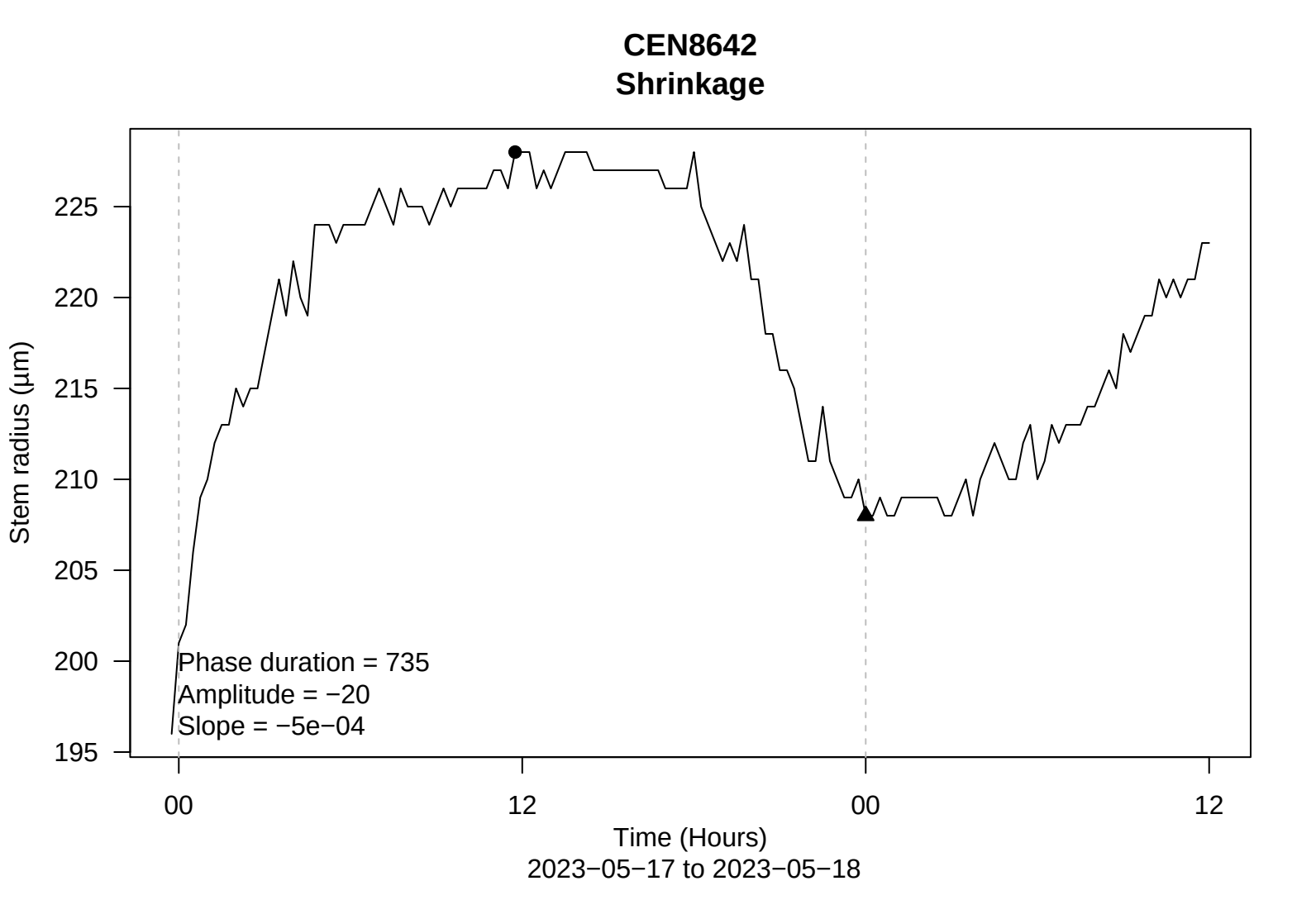

CEN8642
Expansion
180
175
170
165
160
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−05−14 to 2023−05−15
Phase duration = 1005
Amplitude = 24
Slope = 3e−04

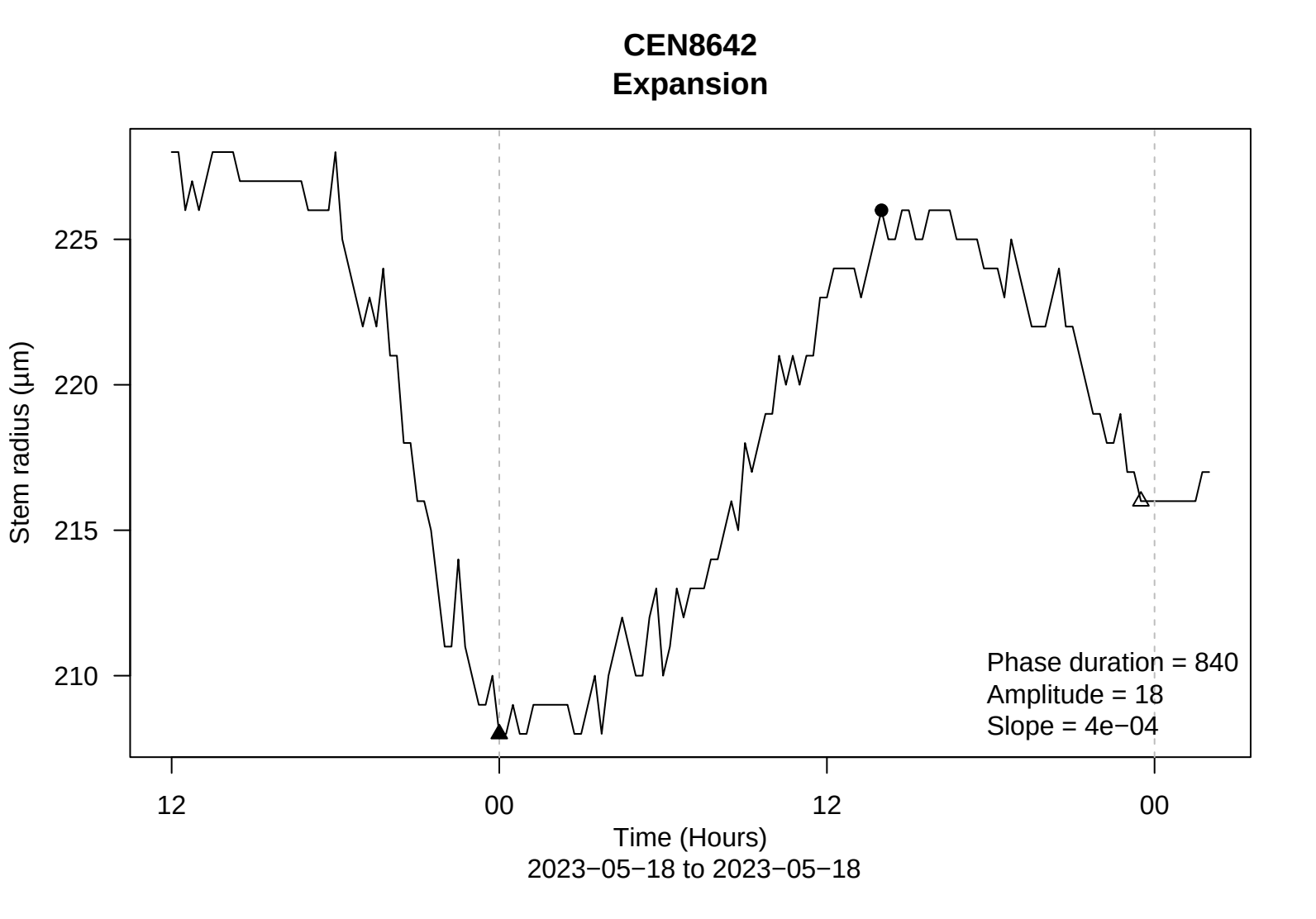

CEN8642
Shrinkage
Stem radius (µm)
185
180
175
170
165
160
Phase duration = 465
Amplitude = −18
Slope = −5e−04
06
12
18
00
06
Time (Hours)
2023−05−15 to 2023−05−15

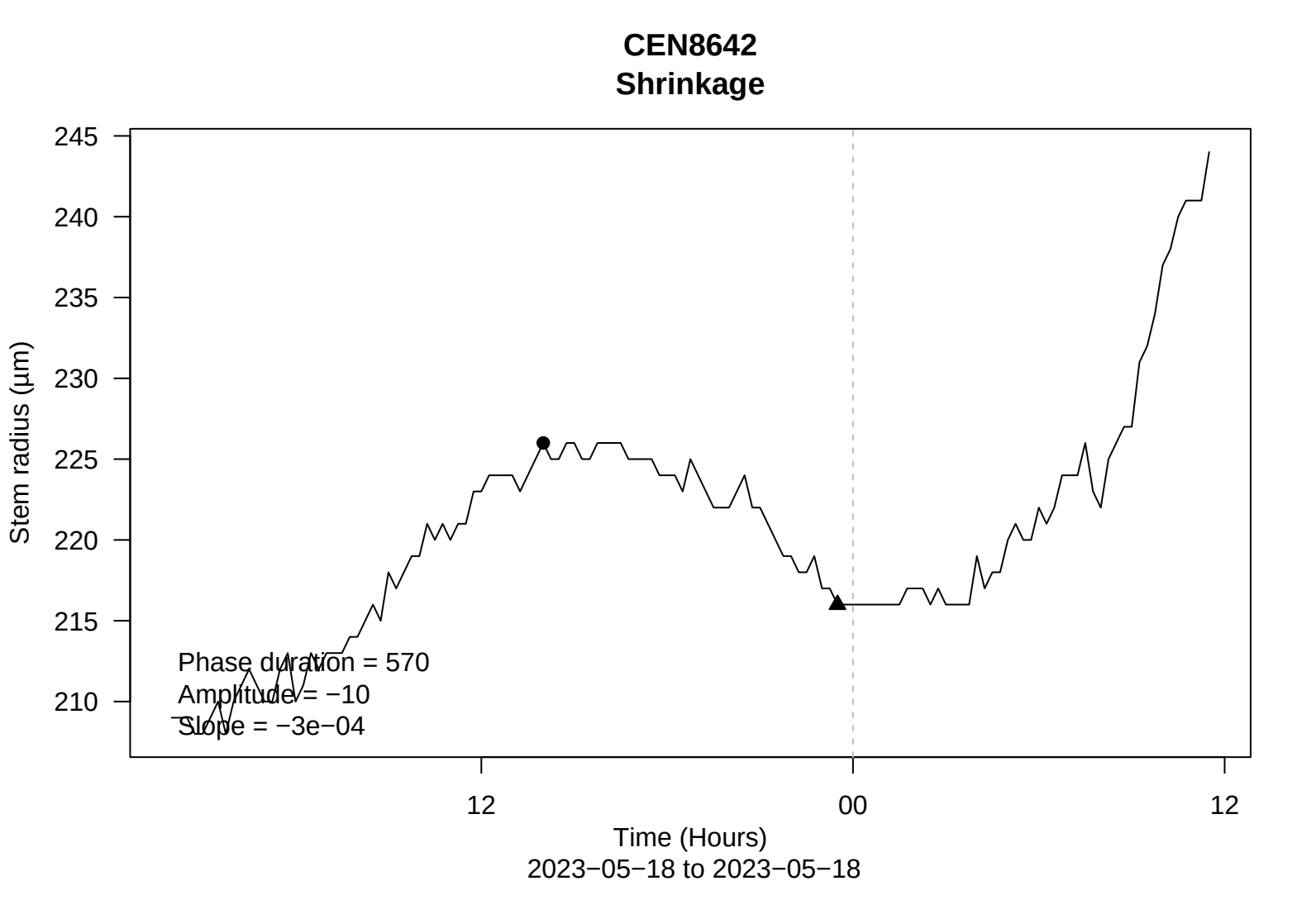

CEN8642
Expansion
220
210
200
190
180
170
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−05−15 to 2023−05−16
Phase duration = 1035
Amplitude = 31
Slope = 6e−04

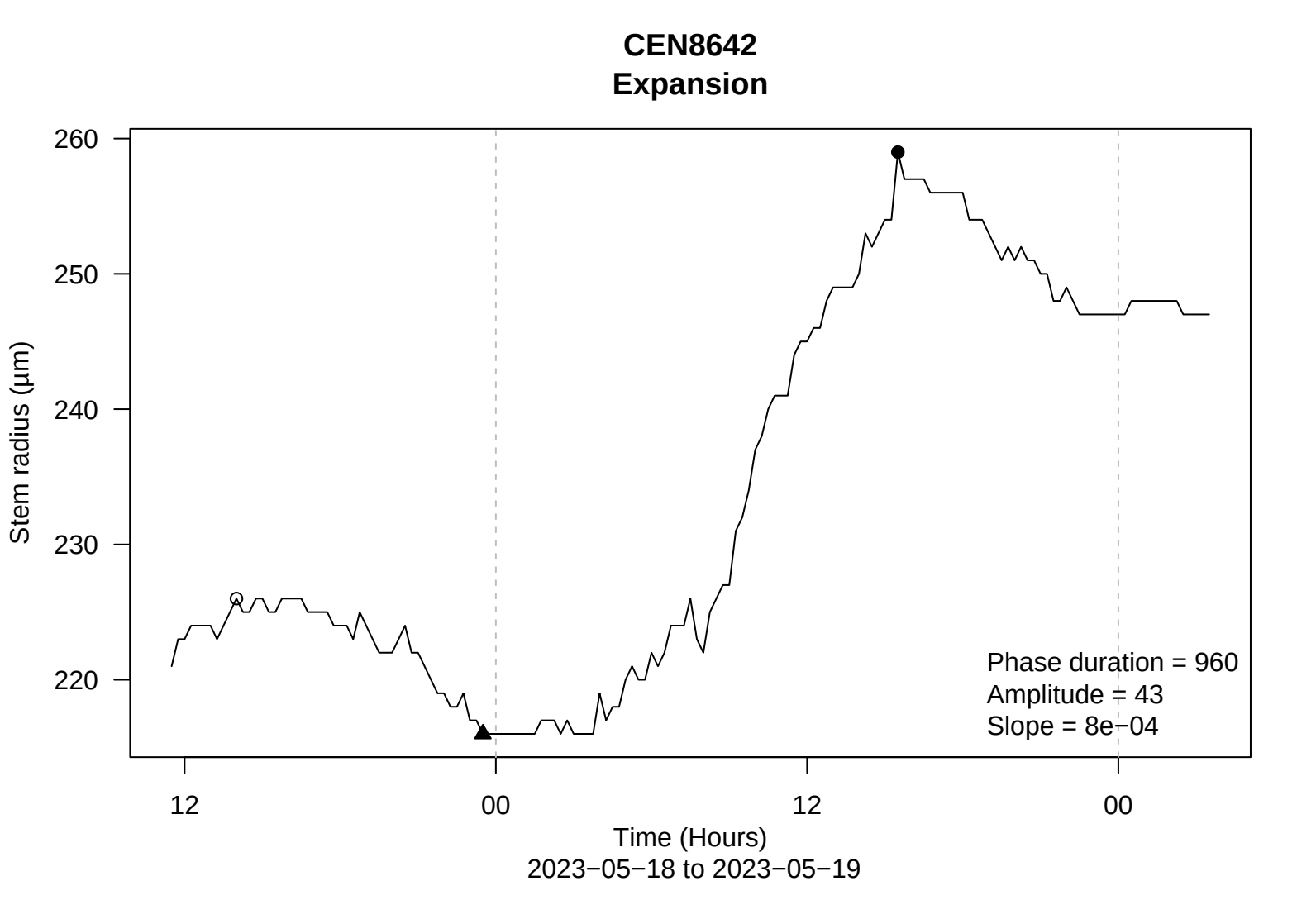

CEN8642
Shrinkage
Stem radius (µm)
220
210
200
190
180
170
Phase duration = 420
Amplitude = −6
Slope = −3e−04
06
12
18
00
06
Time (Hours)
2023−05−16 to 2023−05−16

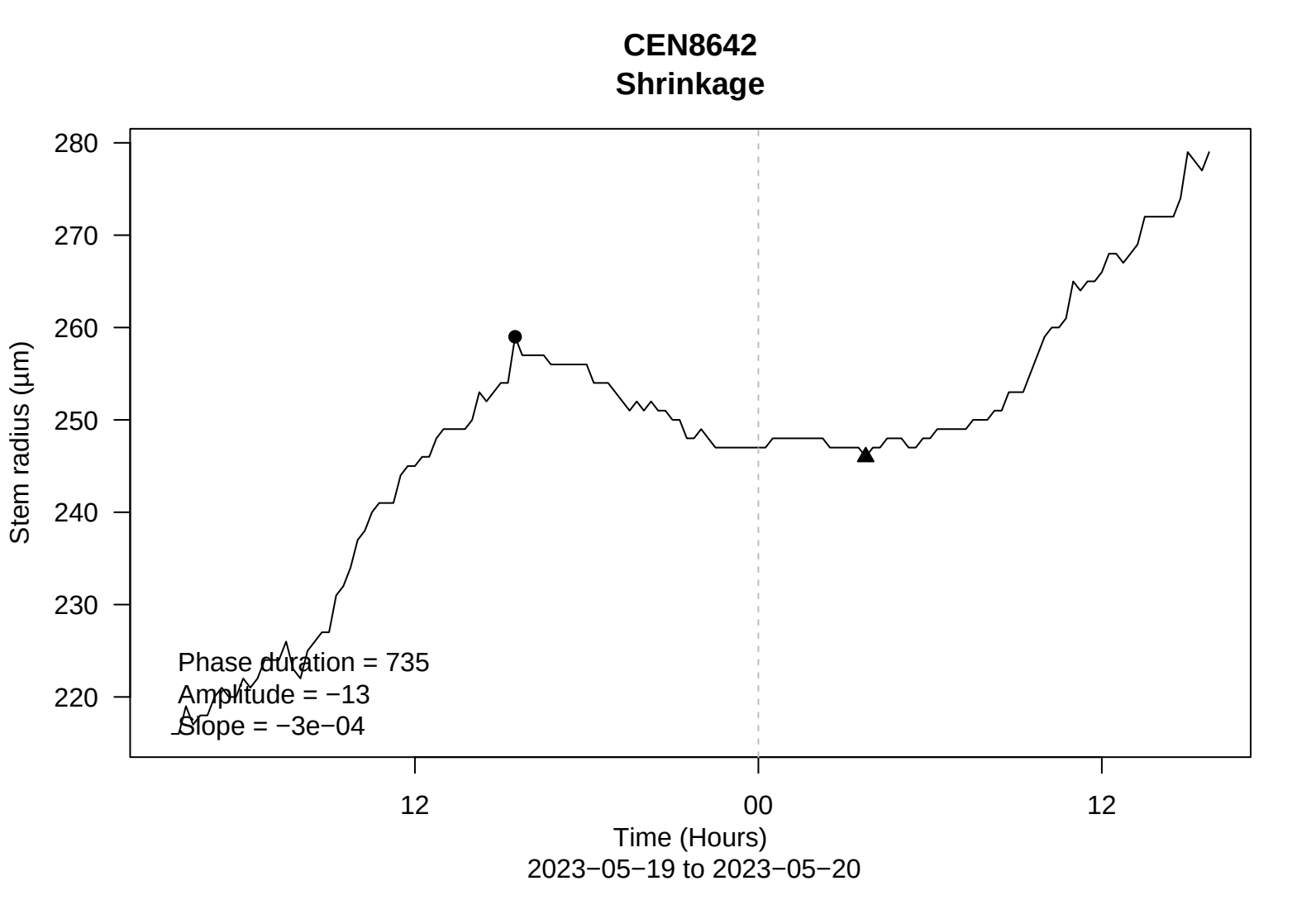

CEN8642
Expansion
Stem radius (µm)
220
210
200
190
12
00
12
00
Time (Hours)
2023−05−16 to 2023−05−17
Phase duration = 795
Amplitude = 39
Slope = 7e−04

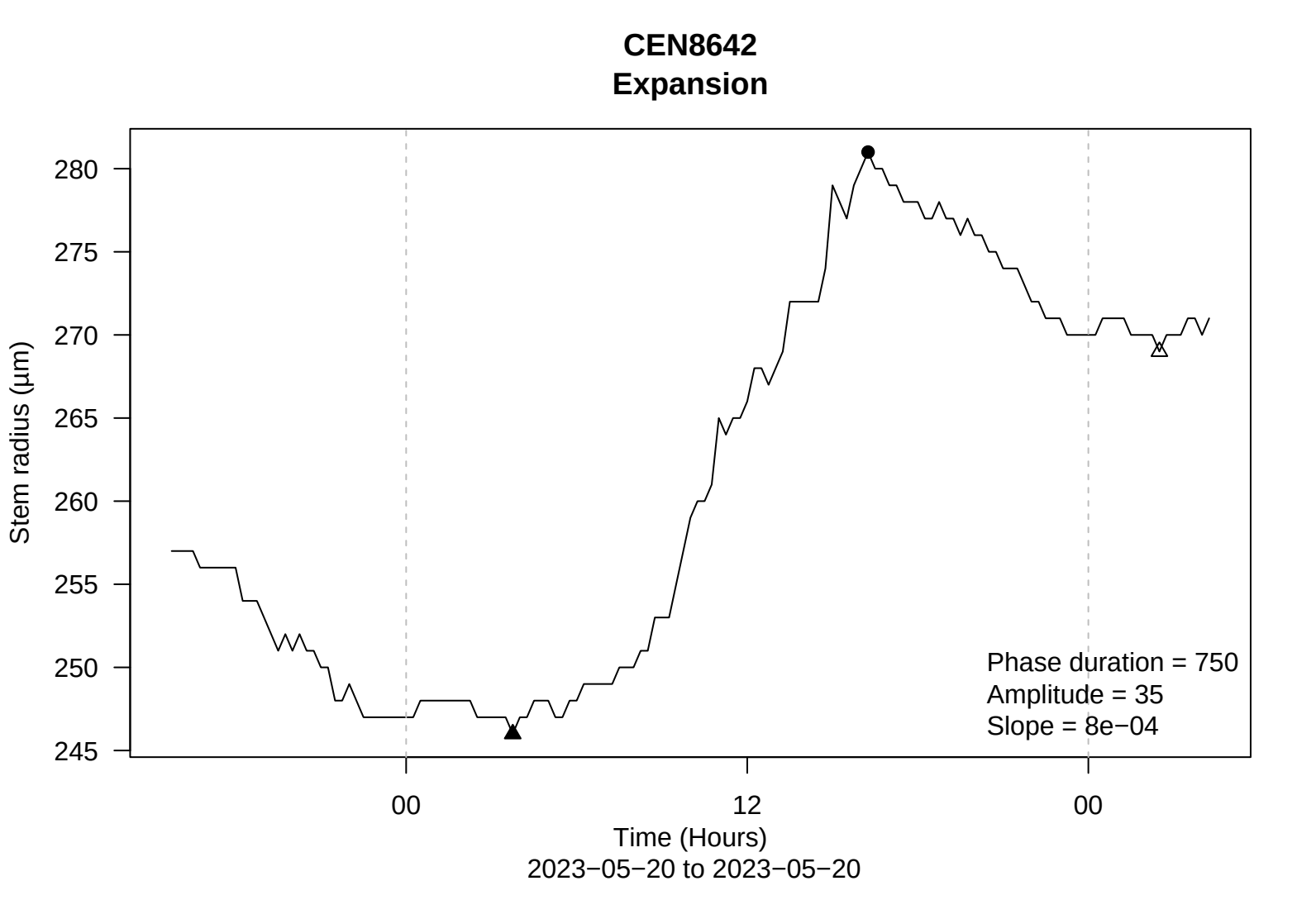

CEN8642
Shrinkage
Stem radius (µm)
225
220
215
210
205
200
195
Phase duration = 735
Amplitude = −20
Slope = −5e−04
00
12
00
12
Time (Hours)
2023−05−17 to 2023−05−18

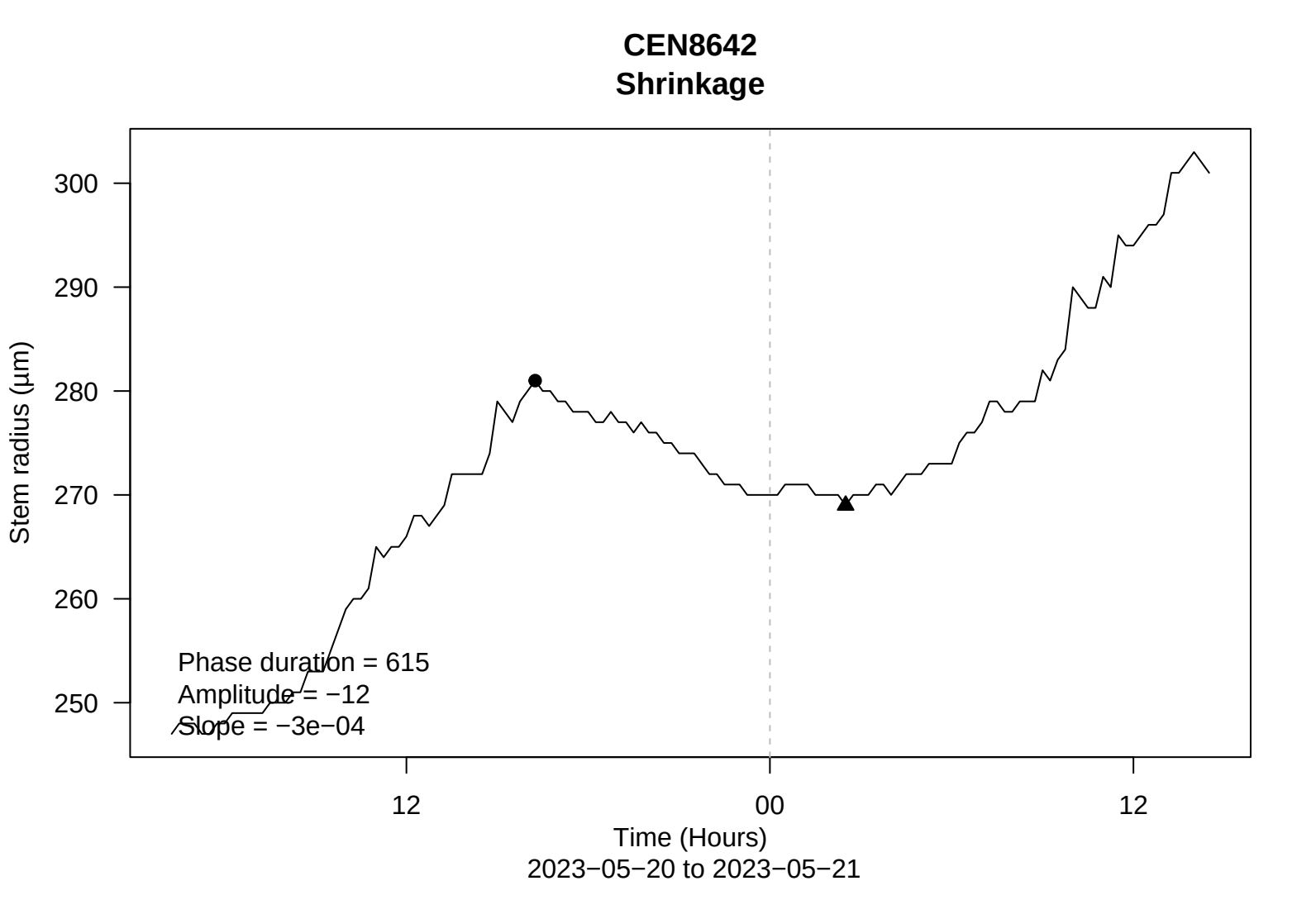

CEN8642
Expansion
225
220
215
210
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−05−18 to 2023−05−18
Phase duration = 840
Amplitude = 18
Slope = 4e−04

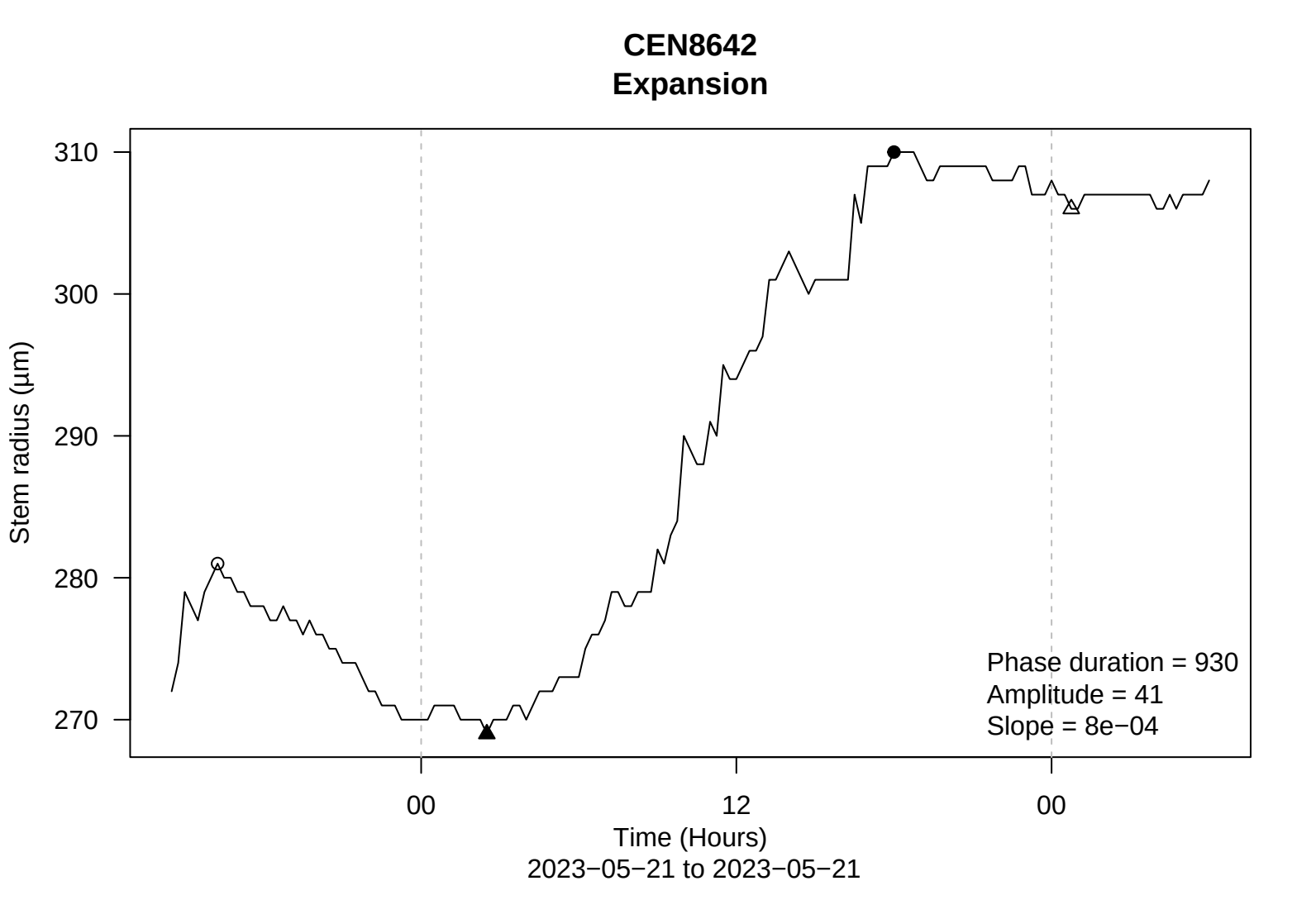

CEN8642
Shrinkage
245
240
235
230
225
220
215
210
Stem radius (µm)
Phase duration = 570
Amplitude = −10
Slope = −3e−04
12
00
12
Time (Hours)
2023−05−18 to 2023−05−18

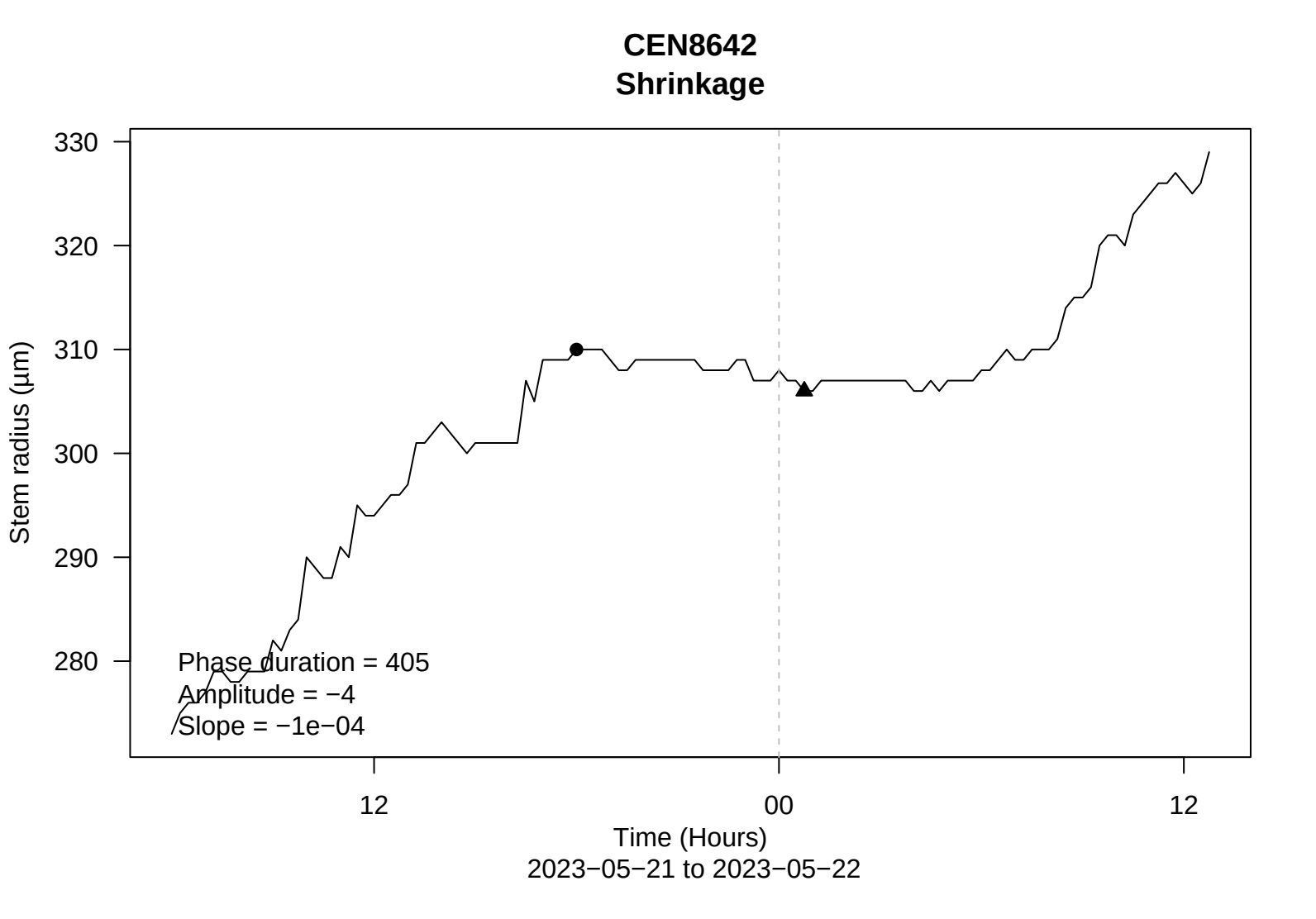

CEN8642
Expansion
260
250
240
230
220
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−05−18 to 2023−05−19
Phase duration = 960
Amplitude = 43
Slope = 8e−04

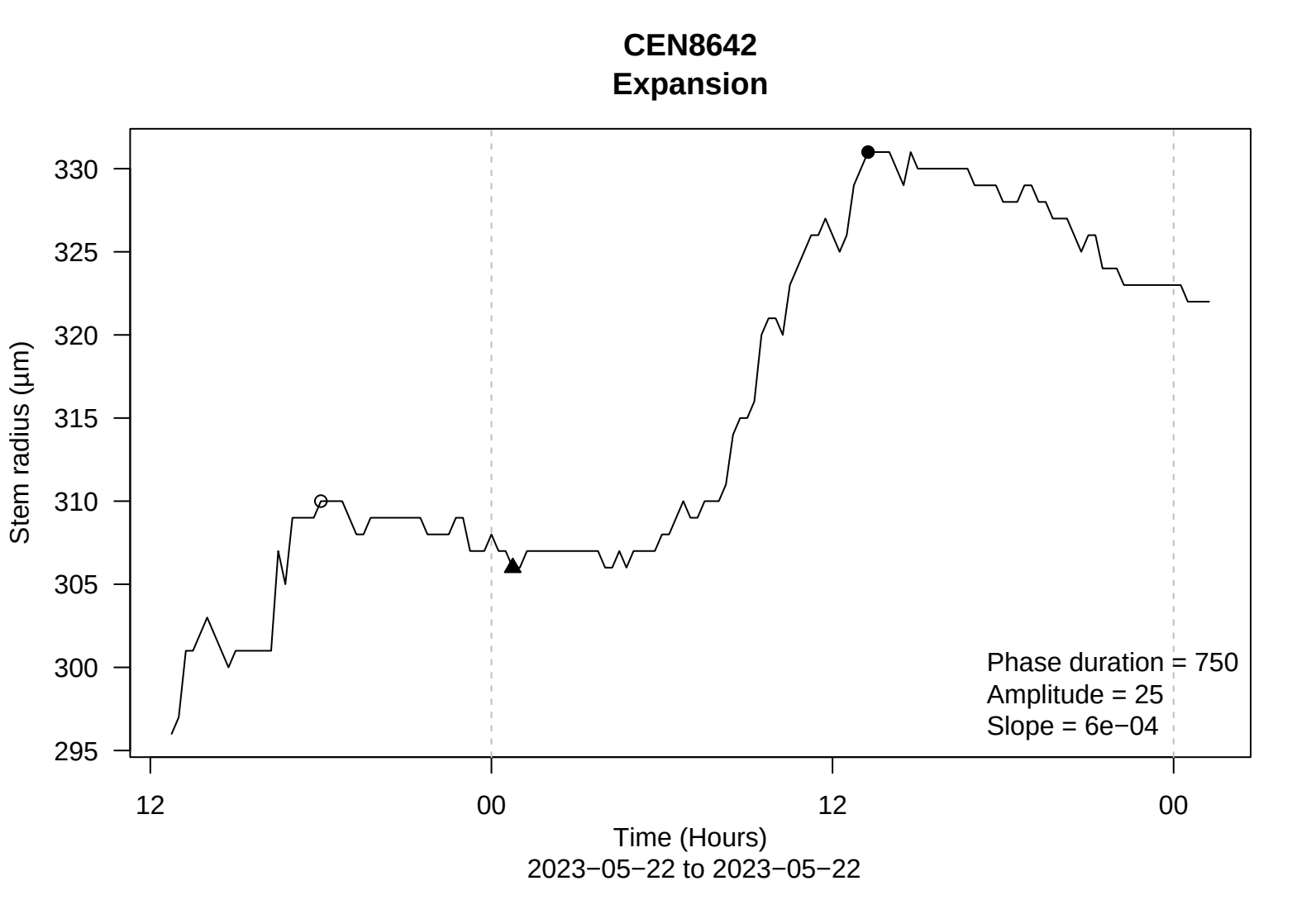

CEN8642
Shrinkage
280
270
260
250
240
230
220
Stem radius (µm)
Phase duration = 735
Amplitude = −13
Slope = −3e−04
12
00
12
Time (Hours)
2023−05−19 to 2023−05−20

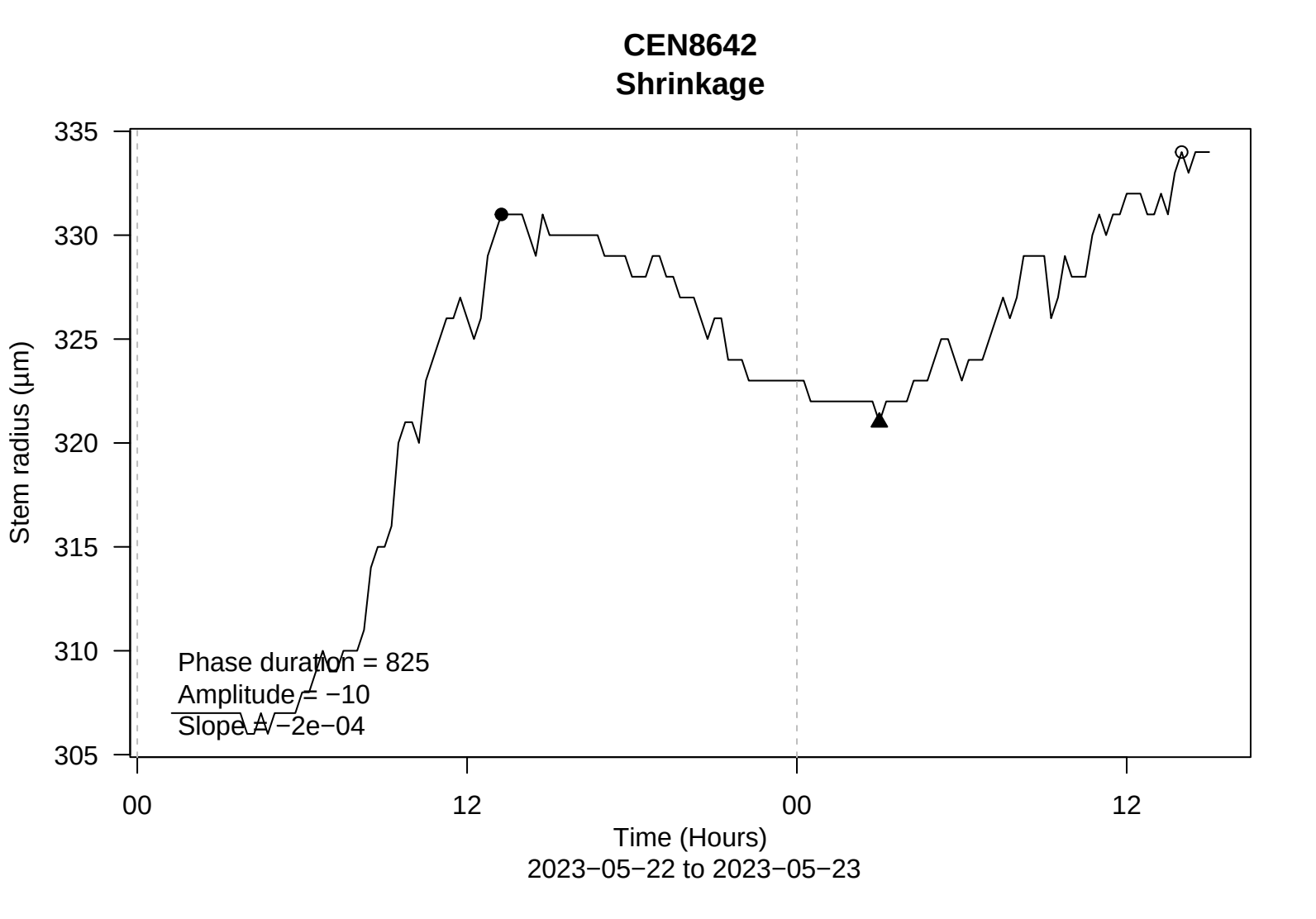

CEN8642
Expansion
Stem radius (µm)
280
275
270
265
260
255
250
245
00
12
00
Time (Hours)
2023−05−20 to 2023−05−20
Phase duration = 750
Amplitude = 35
Slope = 8e−04

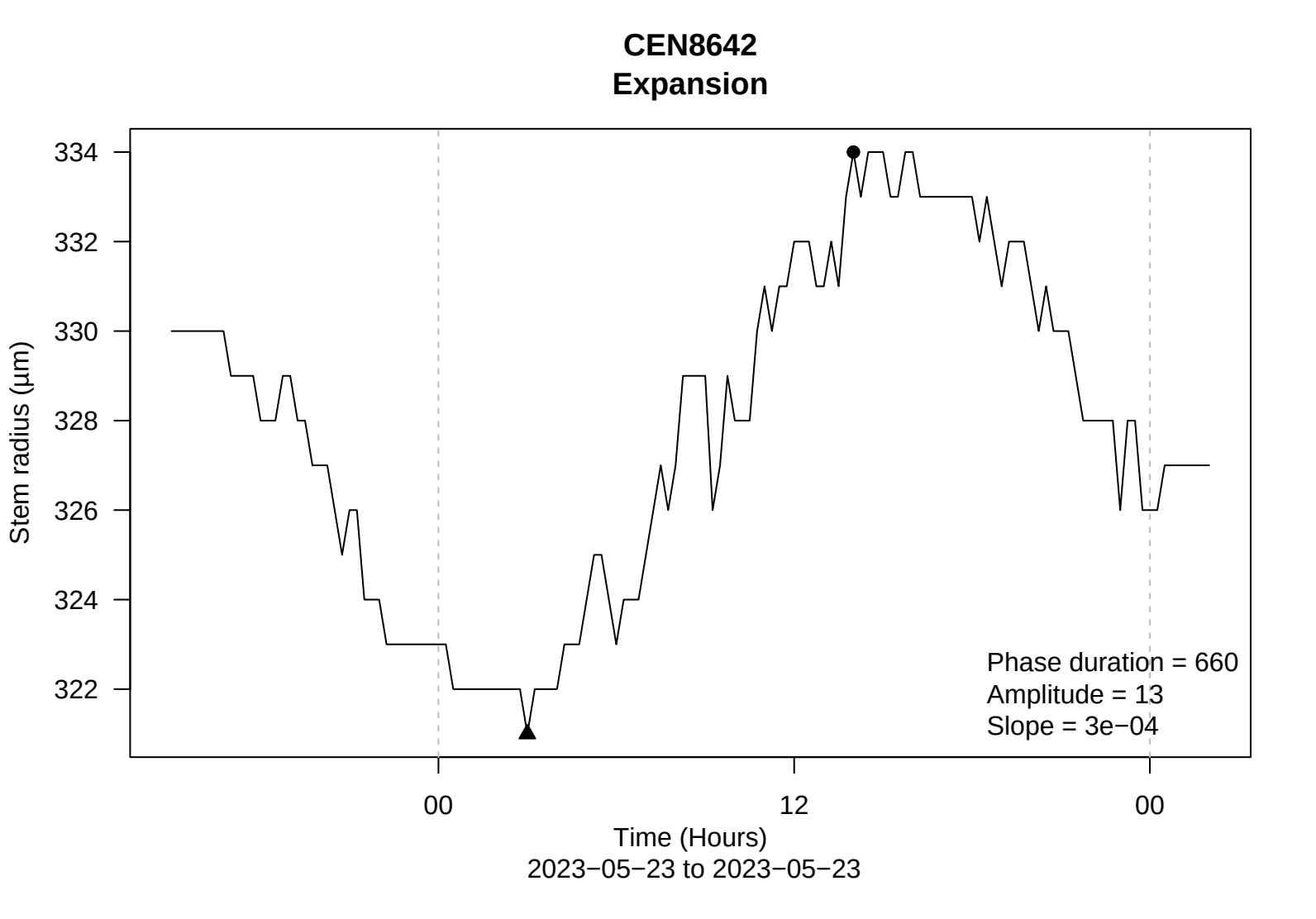

CEN8642
Shrinkage
300
290
280
270
260
250
Stem radius (µm)
Phase duration = 615
Amplitude = −12
Slope = −3e−04
12
00
12
Time (Hours)
2023−05−20 to 2023−05−21

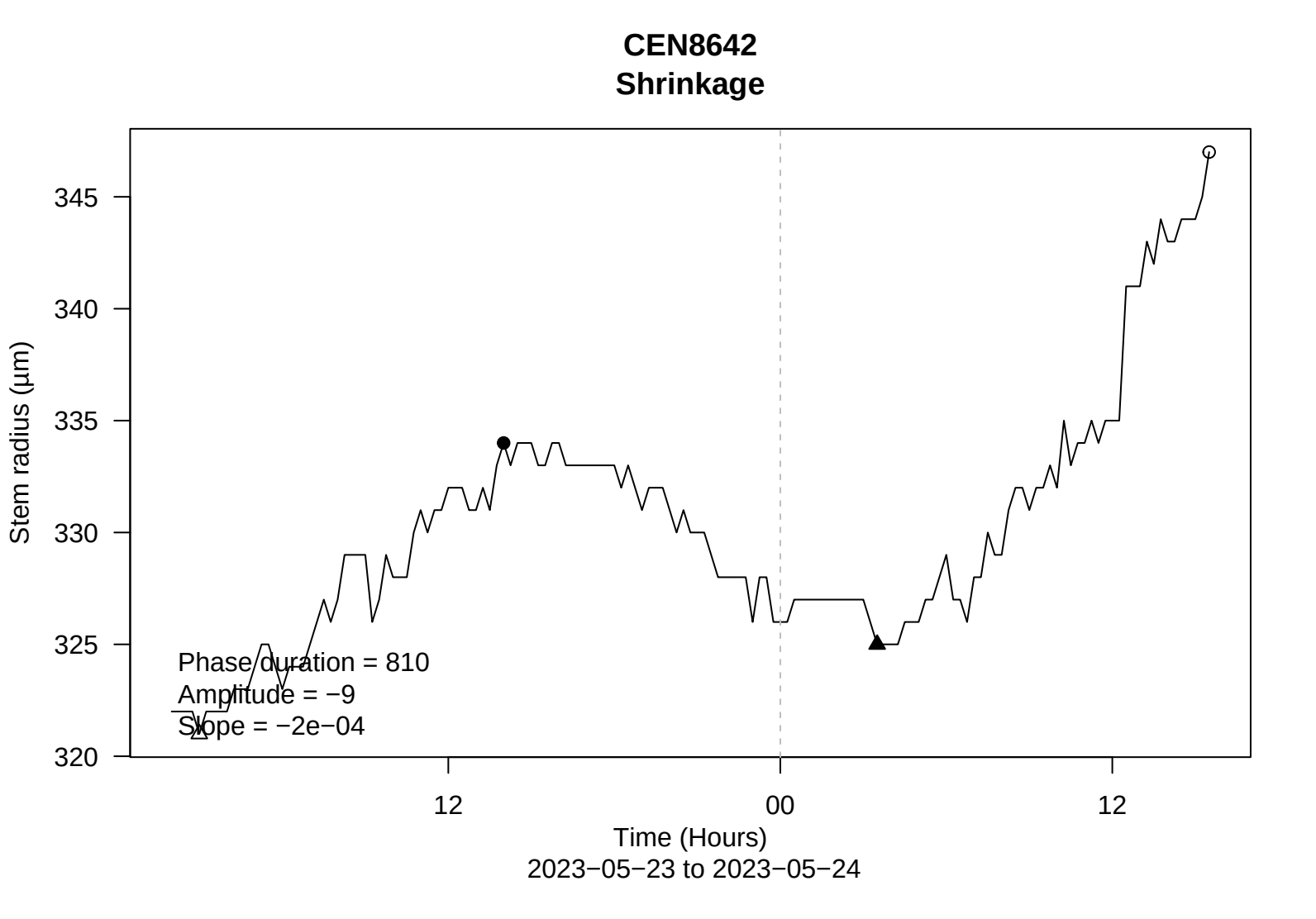

CEN8642
Expansion
310
300
290
280
270
Stem radius (µm)
00
12
00
Time (Hours)
2023−05−21 to 2023−05−21
Phase duration = 930
Amplitude = 41
Slope = 8e−04

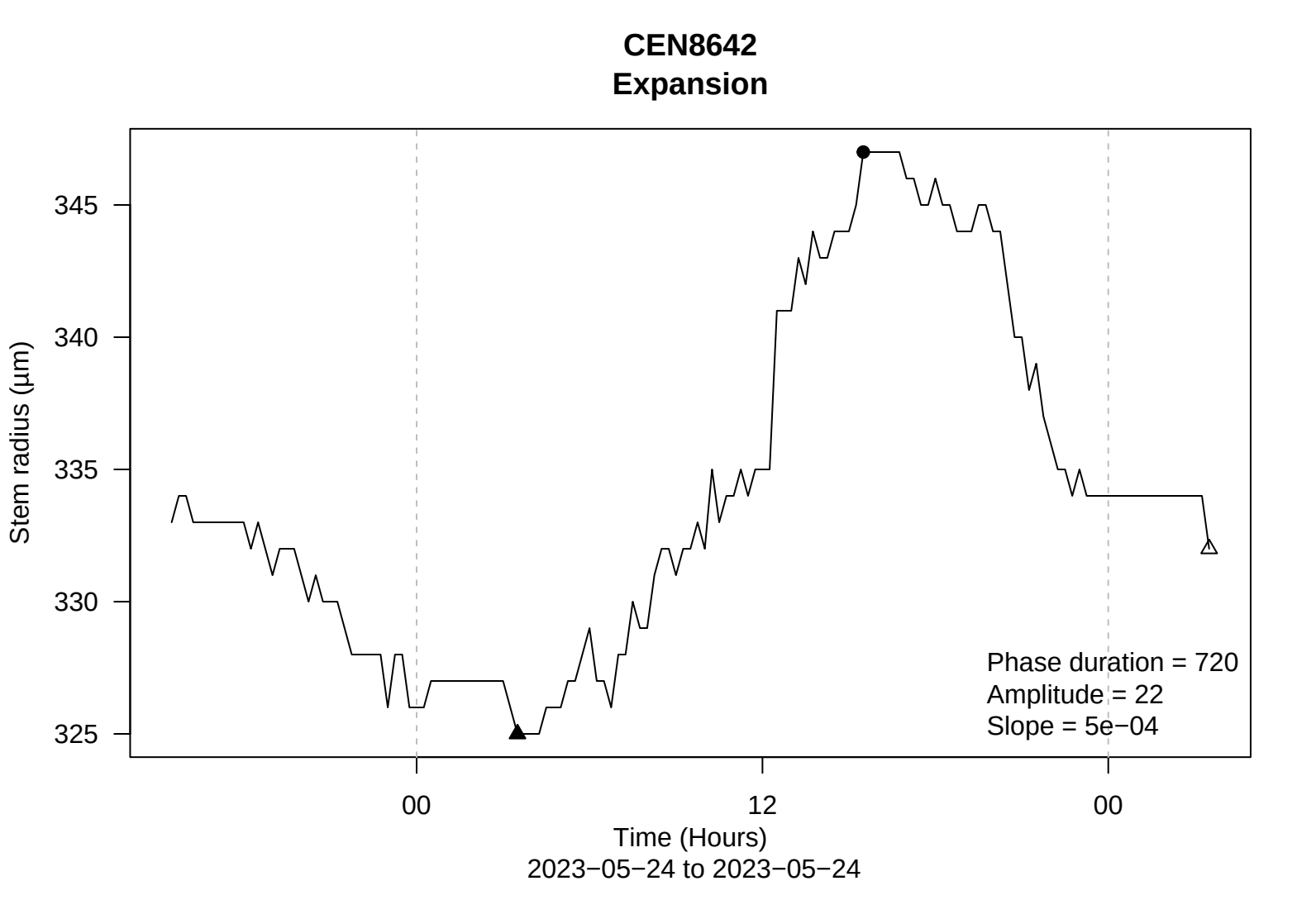

CEN8642
Shrinkage
330
320
310
300
290
280
Stem radius (µm)
Phase duration = 405
Amplitude = −4
Slope = −1e−04
12
00
12
Time (Hours)
2023−05−21 to 2023−05−22

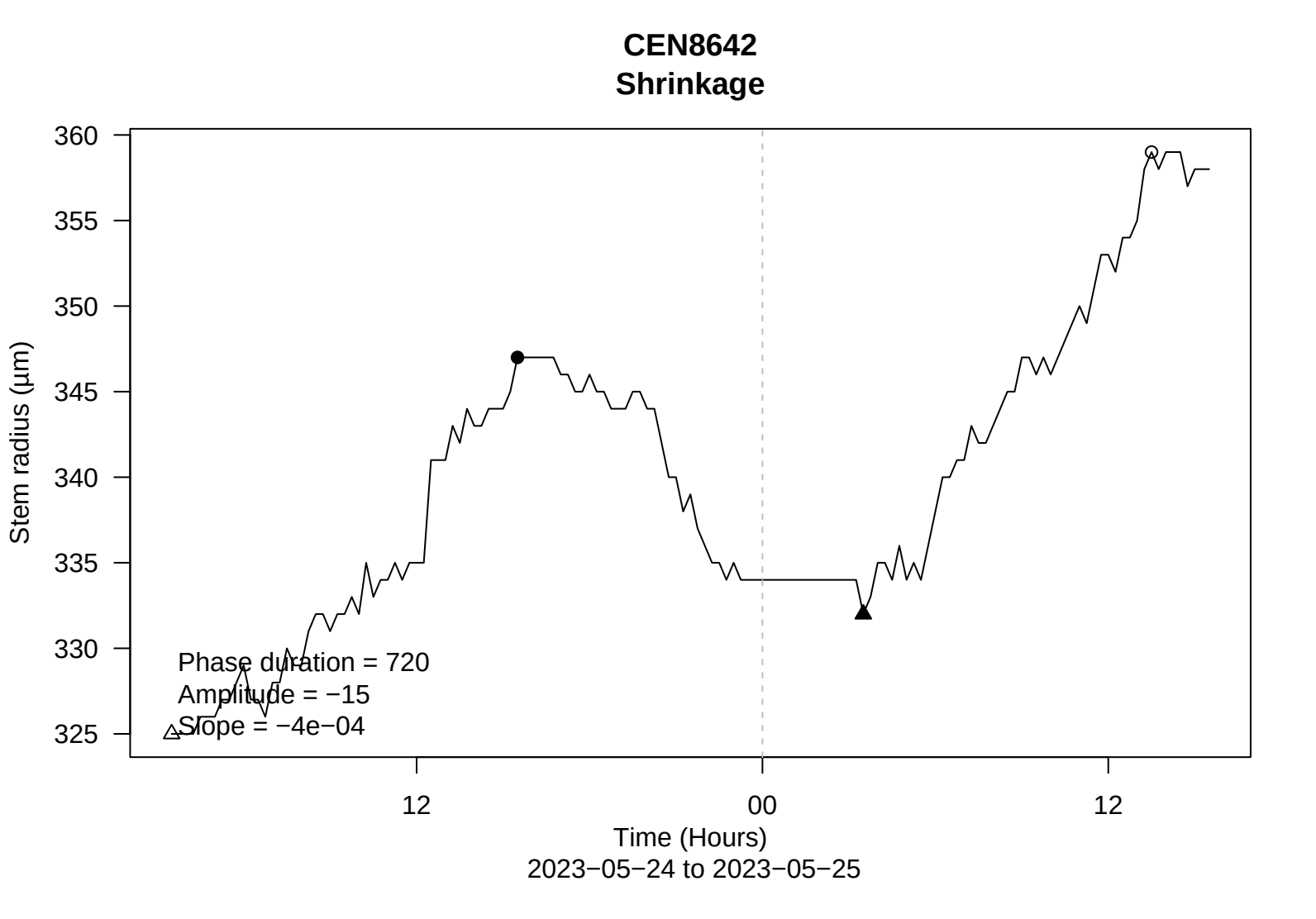

CEN8642
Expansion
330
325
320
315
310
305
300
295
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−05−22 to 2023−05−22
Phase duration = 750
Amplitude = 25
Slope = 6e−04

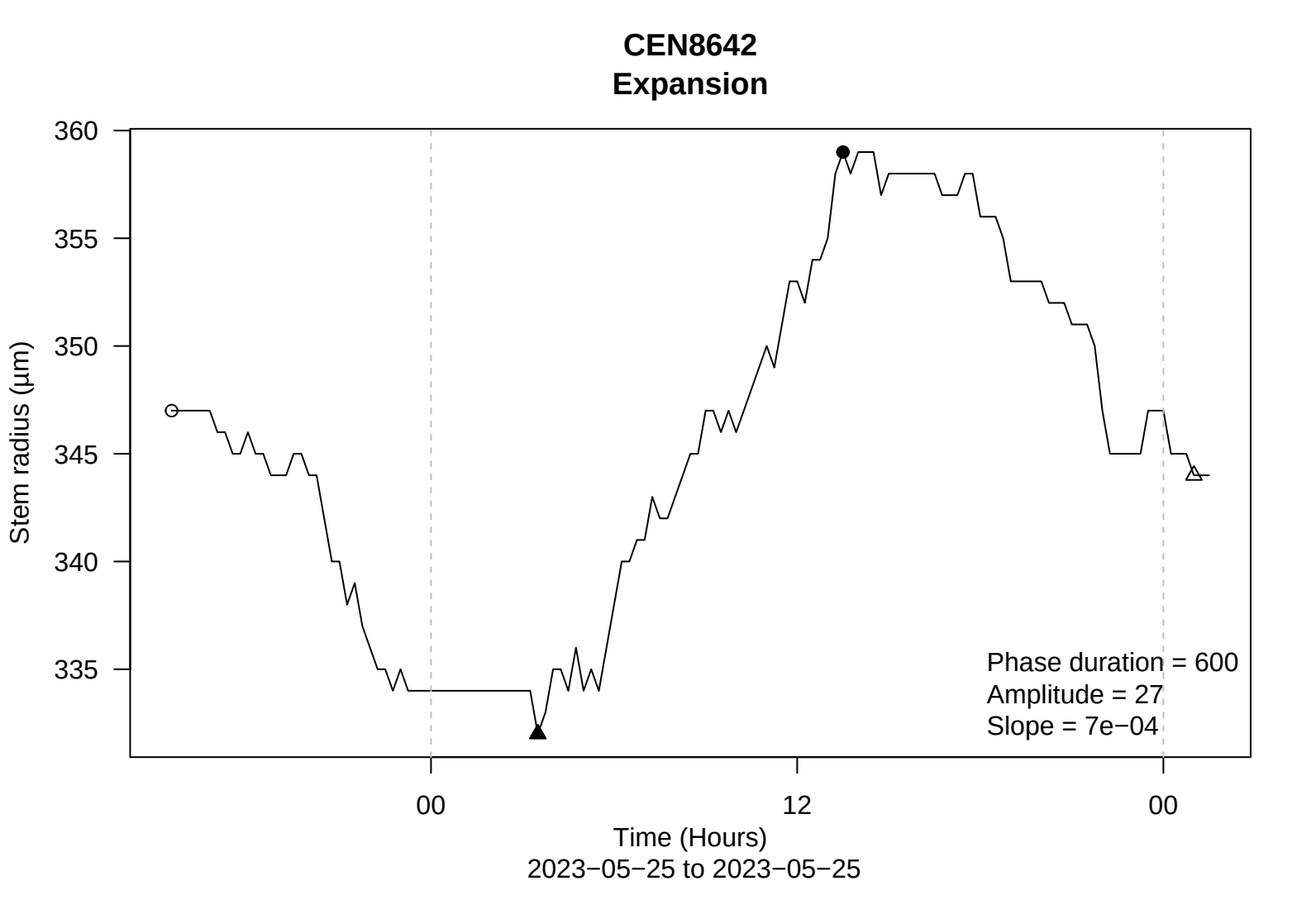

CEN8642
Shrinkage
335
330
325
320
315
310
305
Stem radius (µm)
Phase duration = 825
Amplitude = −10
Slope = −2e−04
00
12
00
12
Time (Hours)
2023−05−22 to 2023−05−23

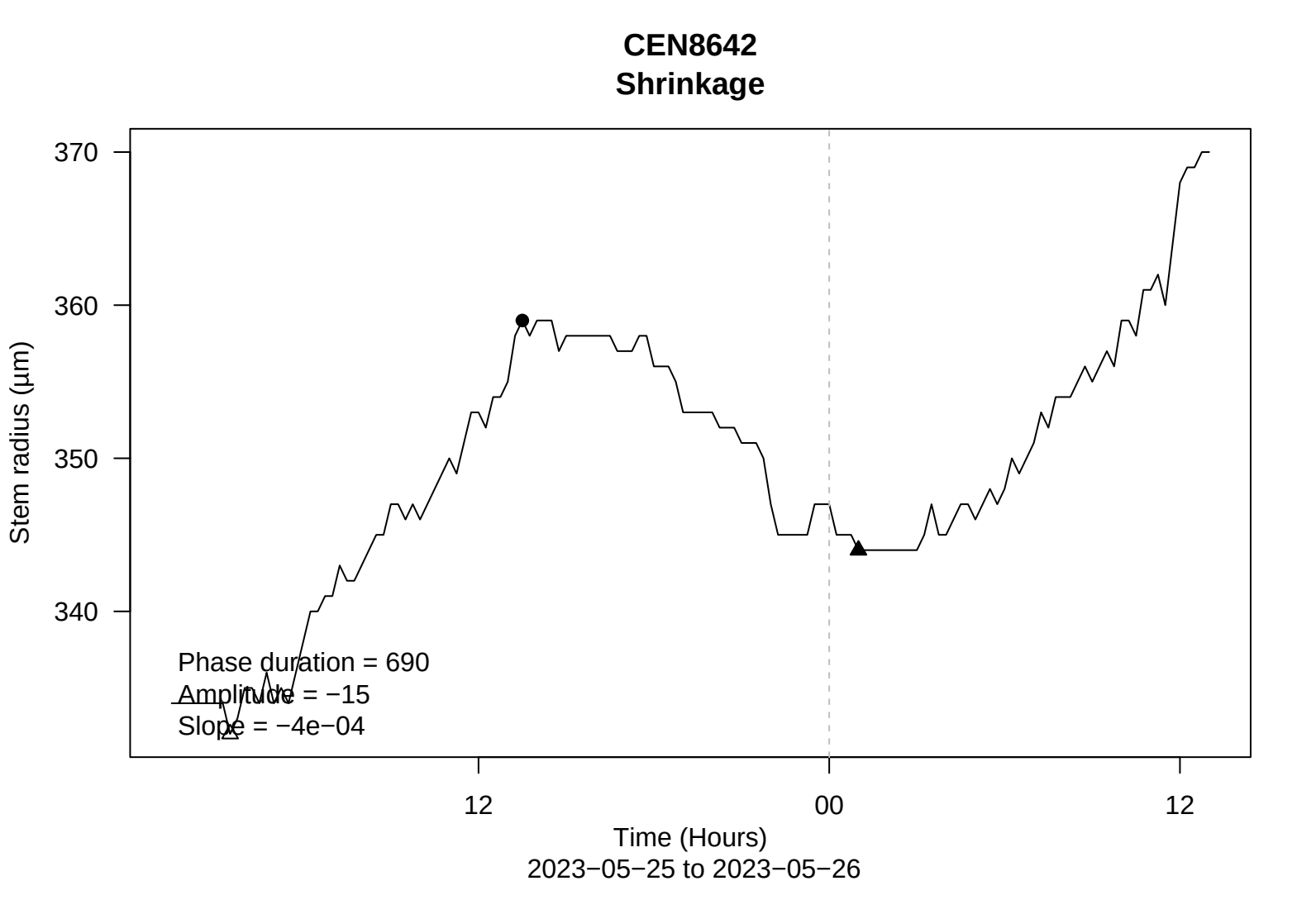

CEN8642
Expansion
334
332
330
328
326
324
322
Stem radius (µm)
Phase duration = 660
Amplitude = 13
Slope = 3e−04
00
12
00
Time (Hours)
2023−05−23 to 2023−05−23

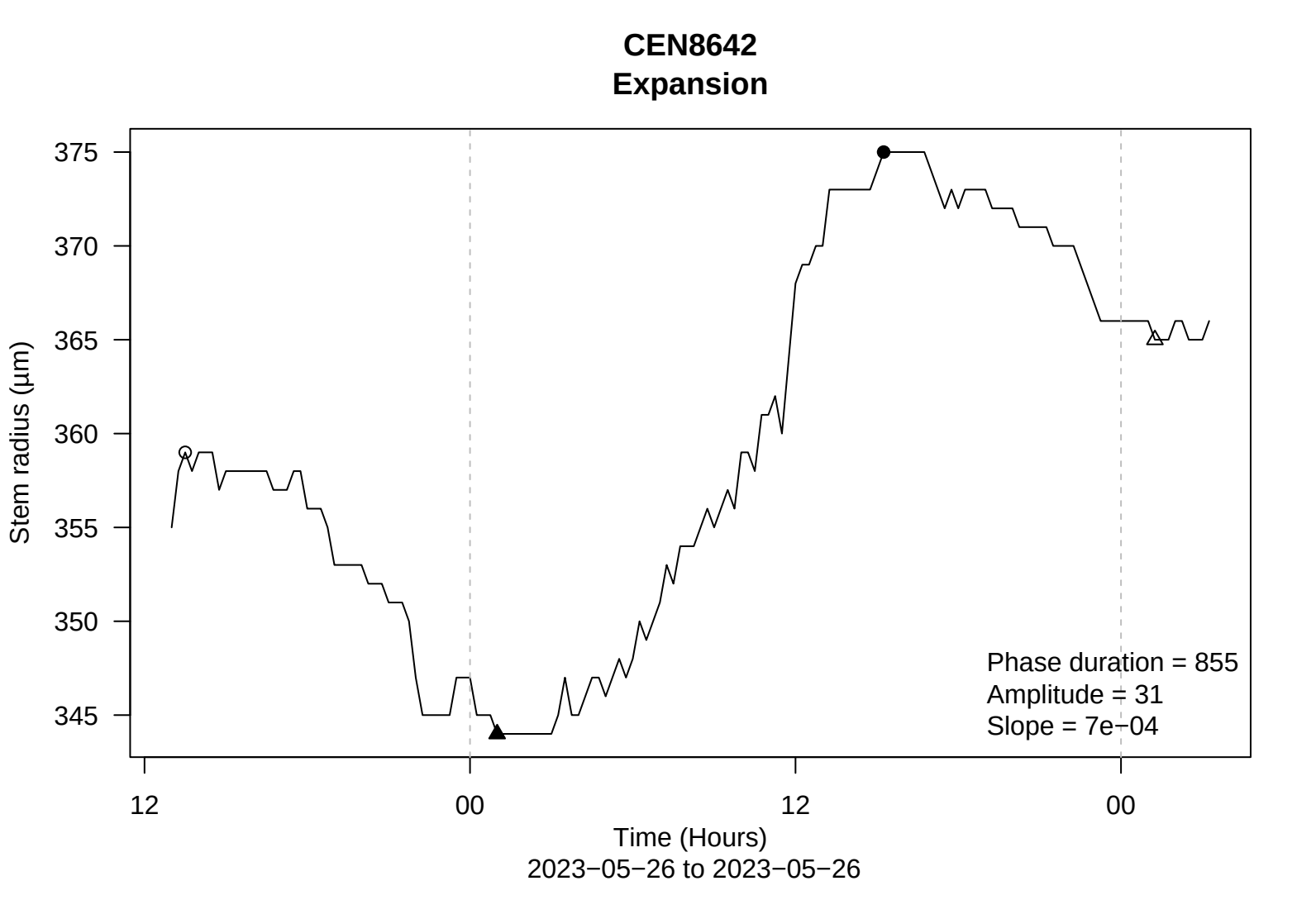

CEN8642
Shrinkage
345
340
335
330
325
320
Stem radius (µm)
Phase duration = 810
Amplitude = −9
Slope = −2e−04
12
00
12
Time (Hours)
2023−05−23 to 2023−05−24

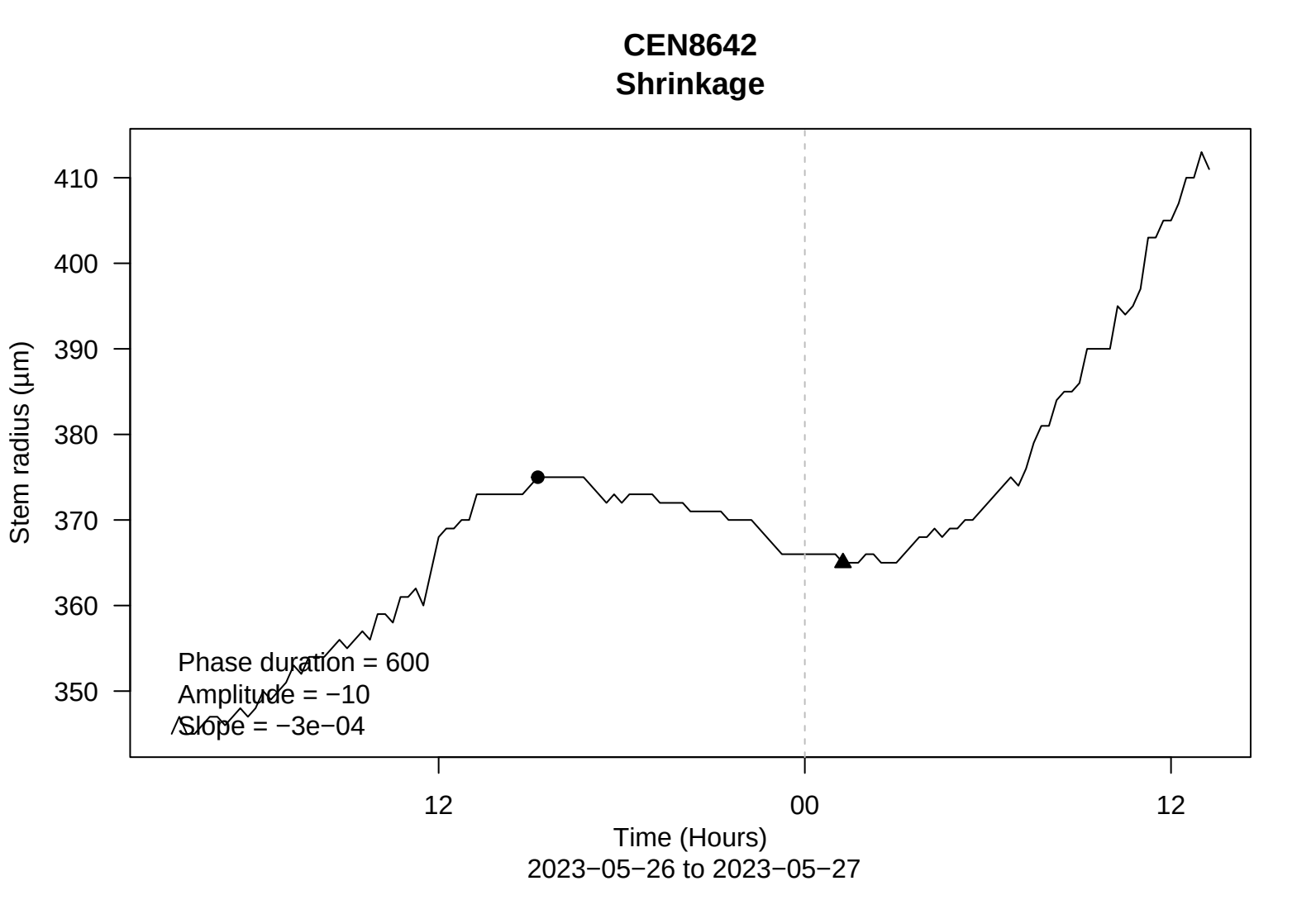

CEN8642
Expansion
345
340
335
330
325
Stem radius (µm)
00
12
00
Time (Hours)
2023−05−24 to 2023−05−24
Phase duration = 720
Amplitude = 22
Slope = 5e−04

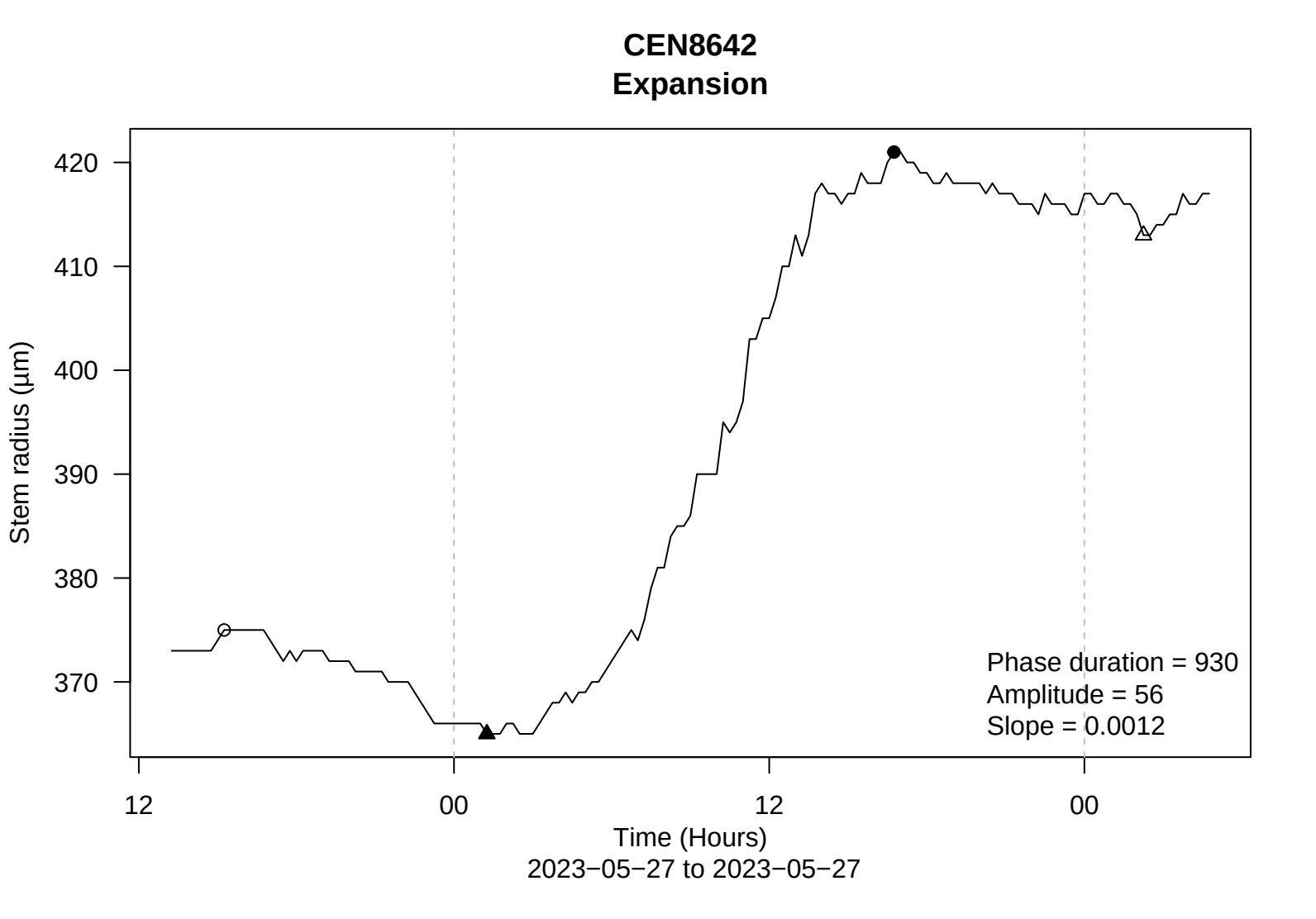

CEN8642
Shrinkage
360
355
350
345
340
335
330
325
Stem radius (µm)
Phase duration = 720
Amplitude = −15
Slope = −4e−04
12
00
12
Time (Hours)
2023−05−24 to 2023−05−25

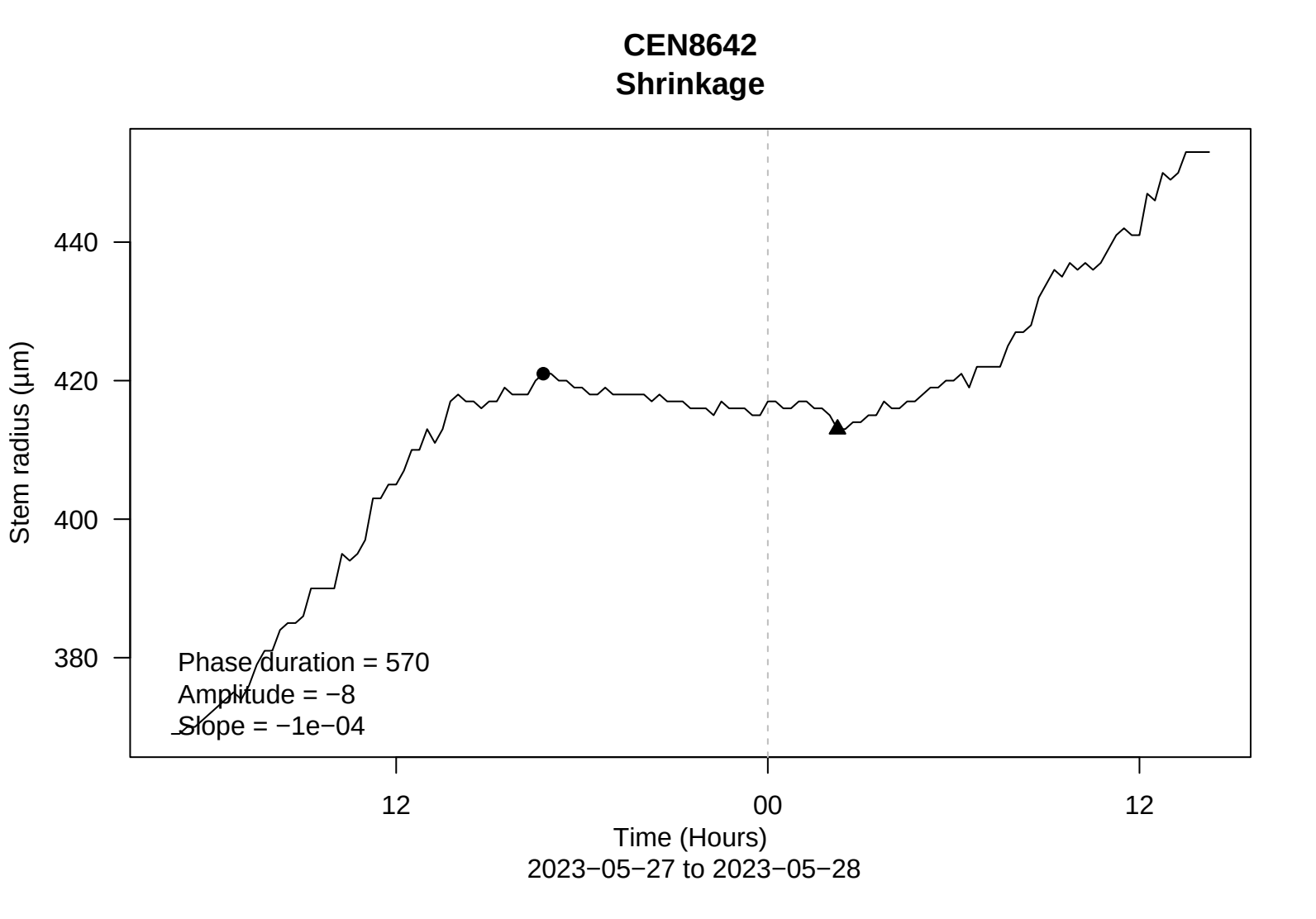

CEN8642
Expansion
360
355
350
345
340
335
Stem radius (µm)
Phase duration = 600
Amplitude = 27
Slope = 7e−04
00
12
00
Time (Hours)
2023−05−25 to 2023−05−25

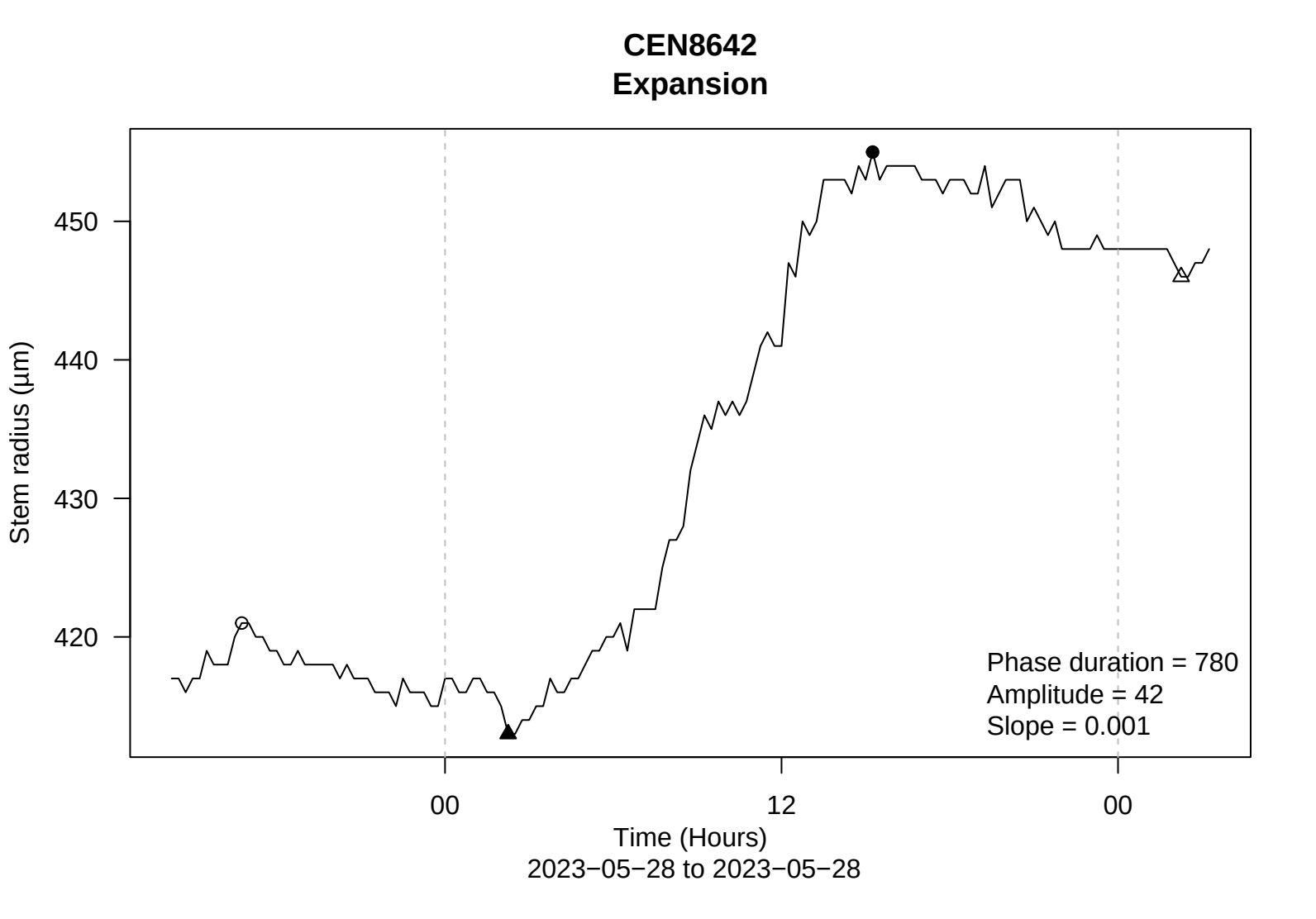

CEN8642
Shrinkage
370
360
350
340
Stem radius (µm)
Phase duration = 690
Amplitude = −15
Slope = −4e−04
12
00
12
Time (Hours)
2023−05−25 to 2023−05−26

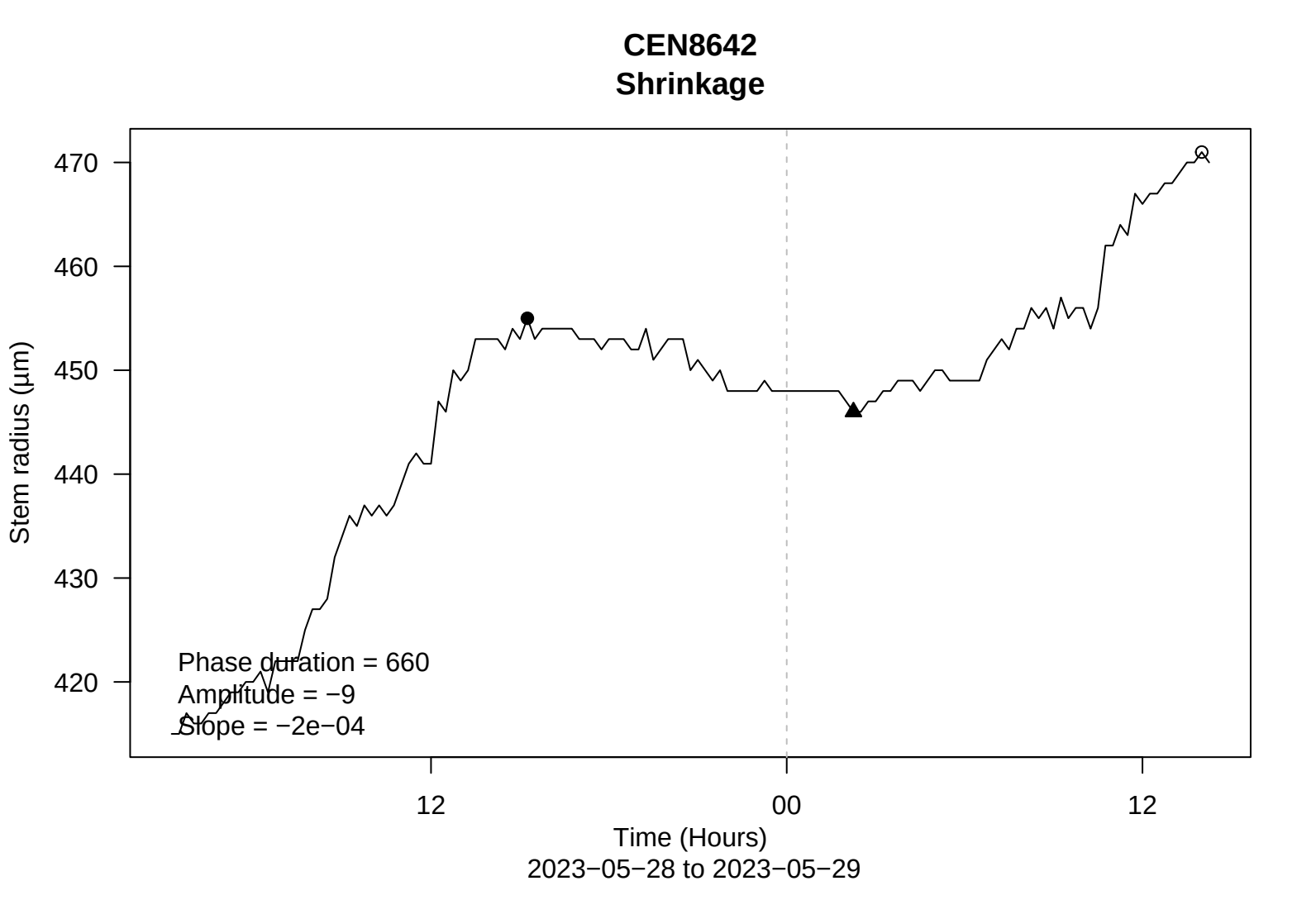

CEN8642
Expansion
375
370
365
360
355
350
345
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−05−26 to 2023−05−26
Phase duration = 855
Amplitude = 31
Slope = 7e−04

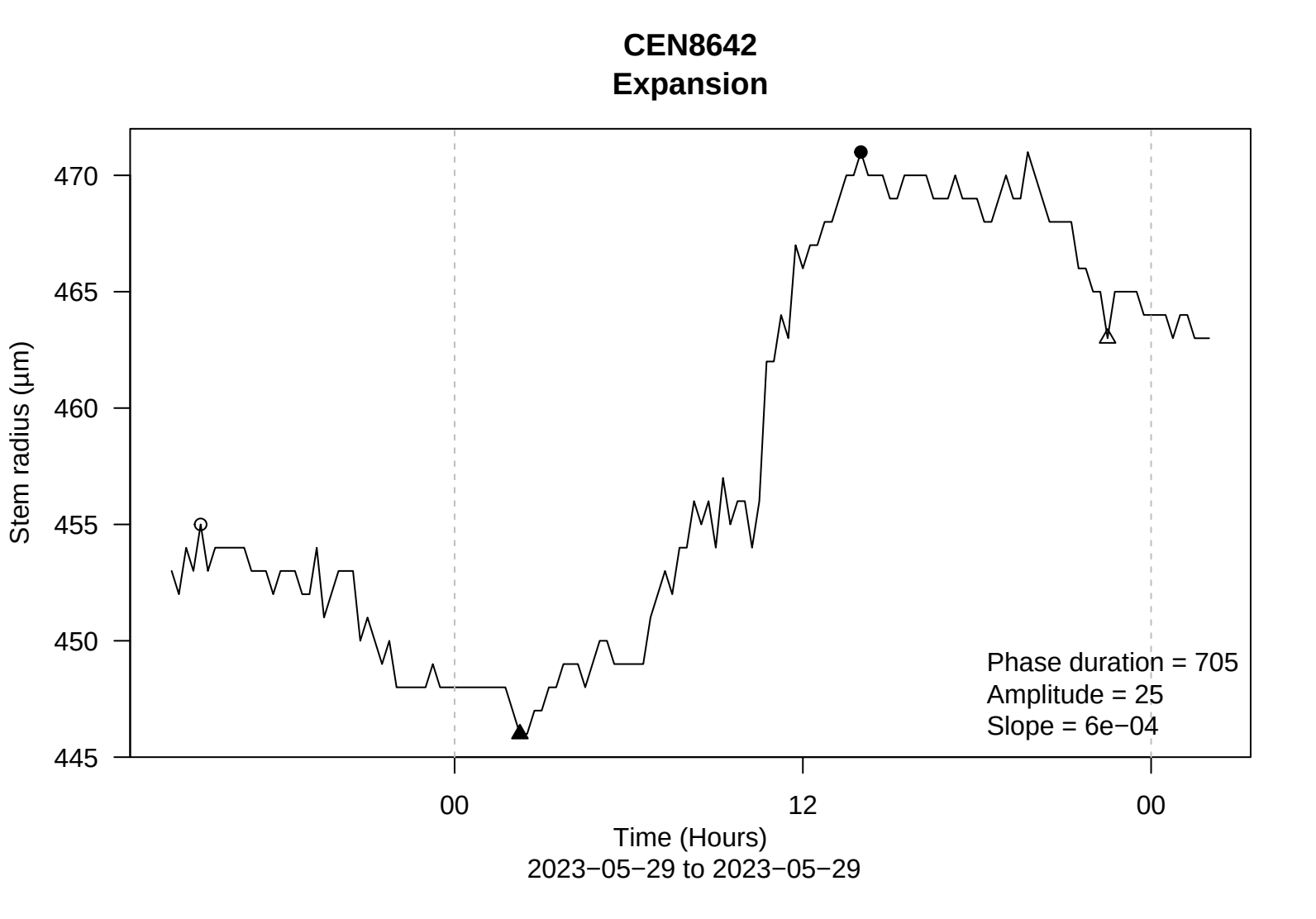

CEN8642
Shrinkage
Stem radius (µm)
410
400
390
380
370
360
350
Phase duration = 600
Amplitude = −10
Slope = −3e−04
12
00
12
Time (Hours)
2023−05−26 to 2023−05−27

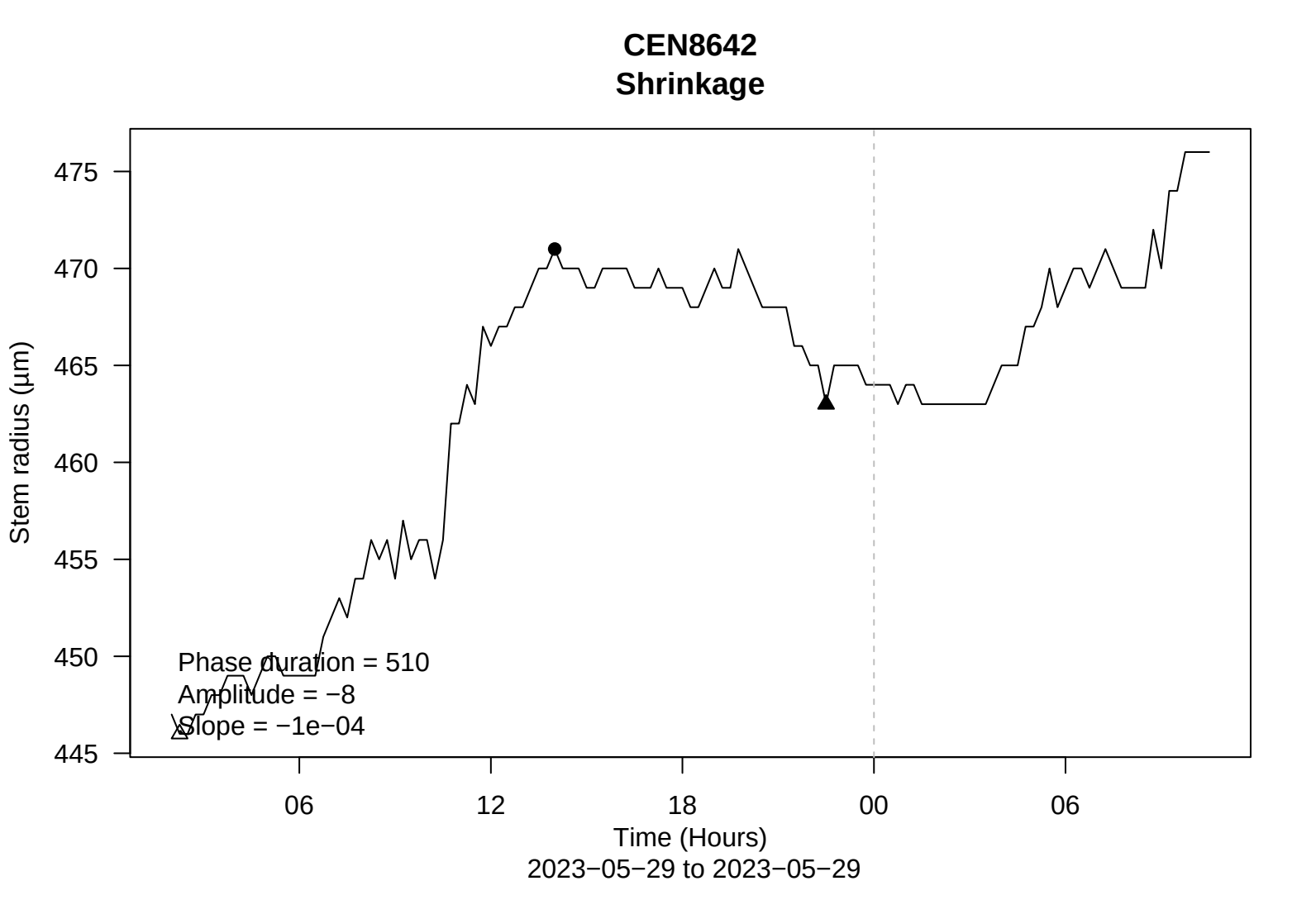

CEN8642
Expansion
420
410
400
390
380
370
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−05−27 to 2023−05−27
Phase duration = 930
Amplitude = 56
Slope = 0.0012

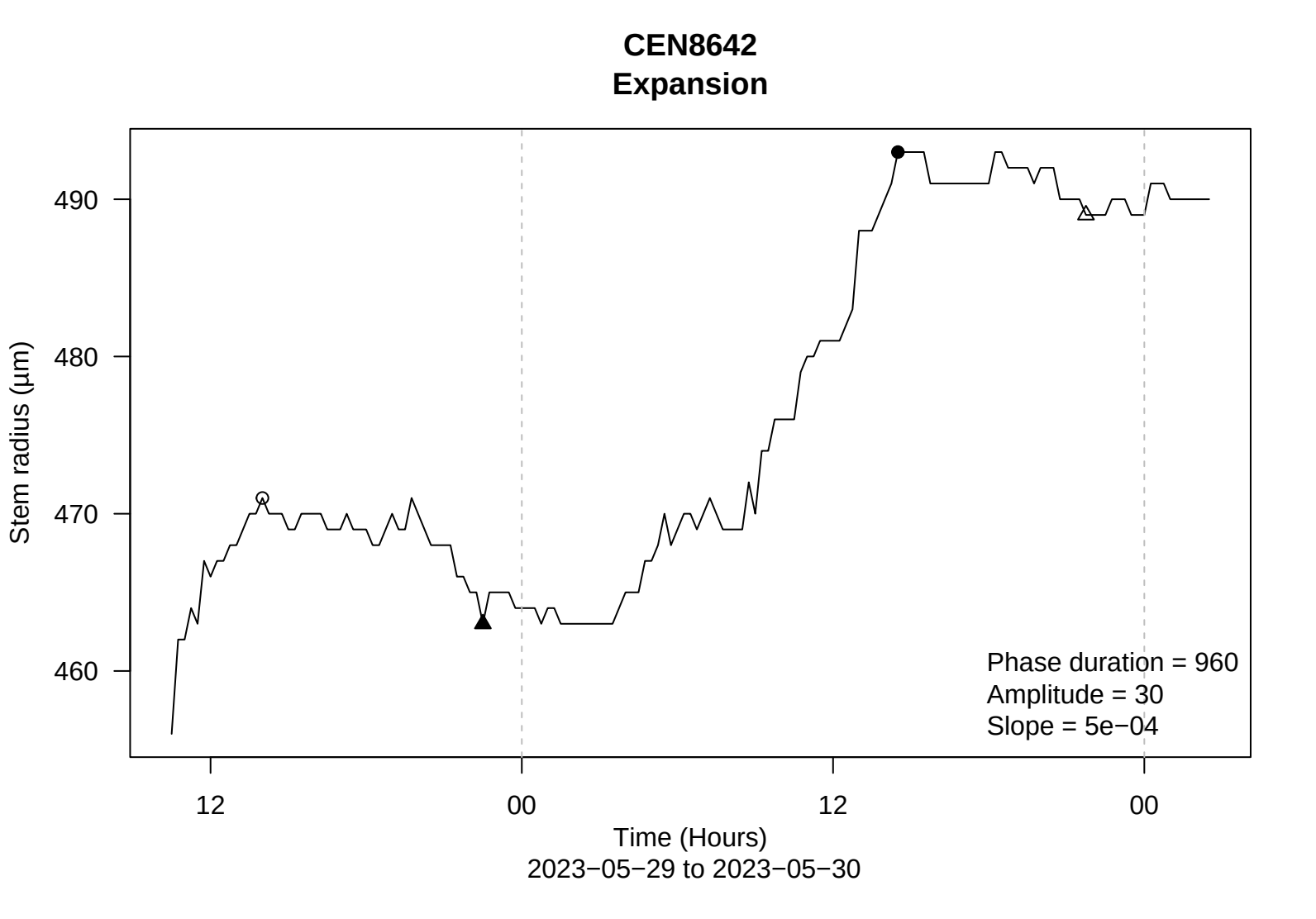

CEN8642
Shrinkage
Stem radius (µm)
440
420
400
380
Phase duration = 570
Amplitude = −8
Slope = −1e−04
12
00
12
Time (Hours)
2023−05−27 to 2023−05−28

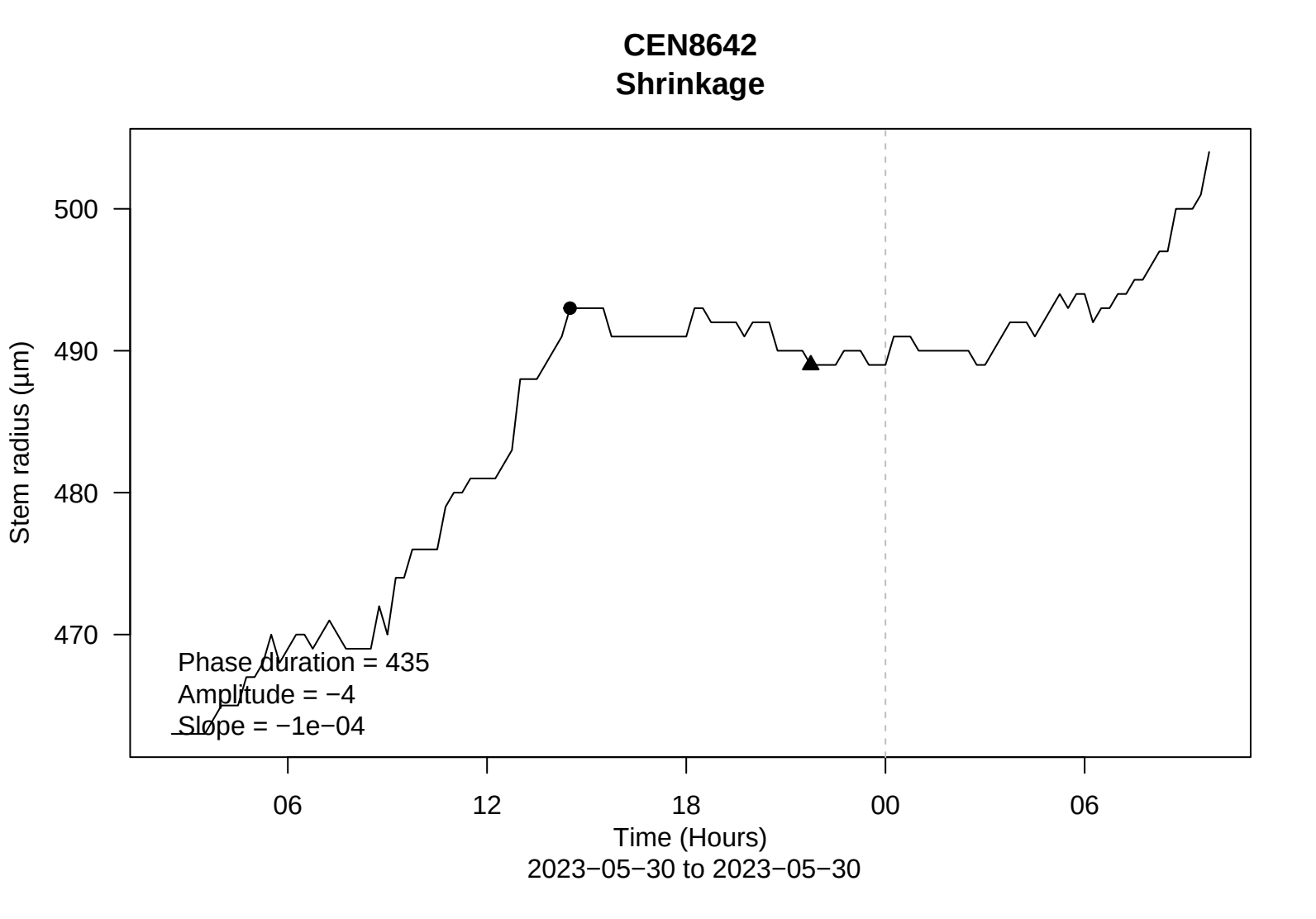

CEN8642
Expansion
450
440
430
420
Stem radius (µm)
Phase duration = 780
Amplitude = 42
Slope = 0.001
00
12
00
Time (Hours)
2023−05−28 to 2023−05−28

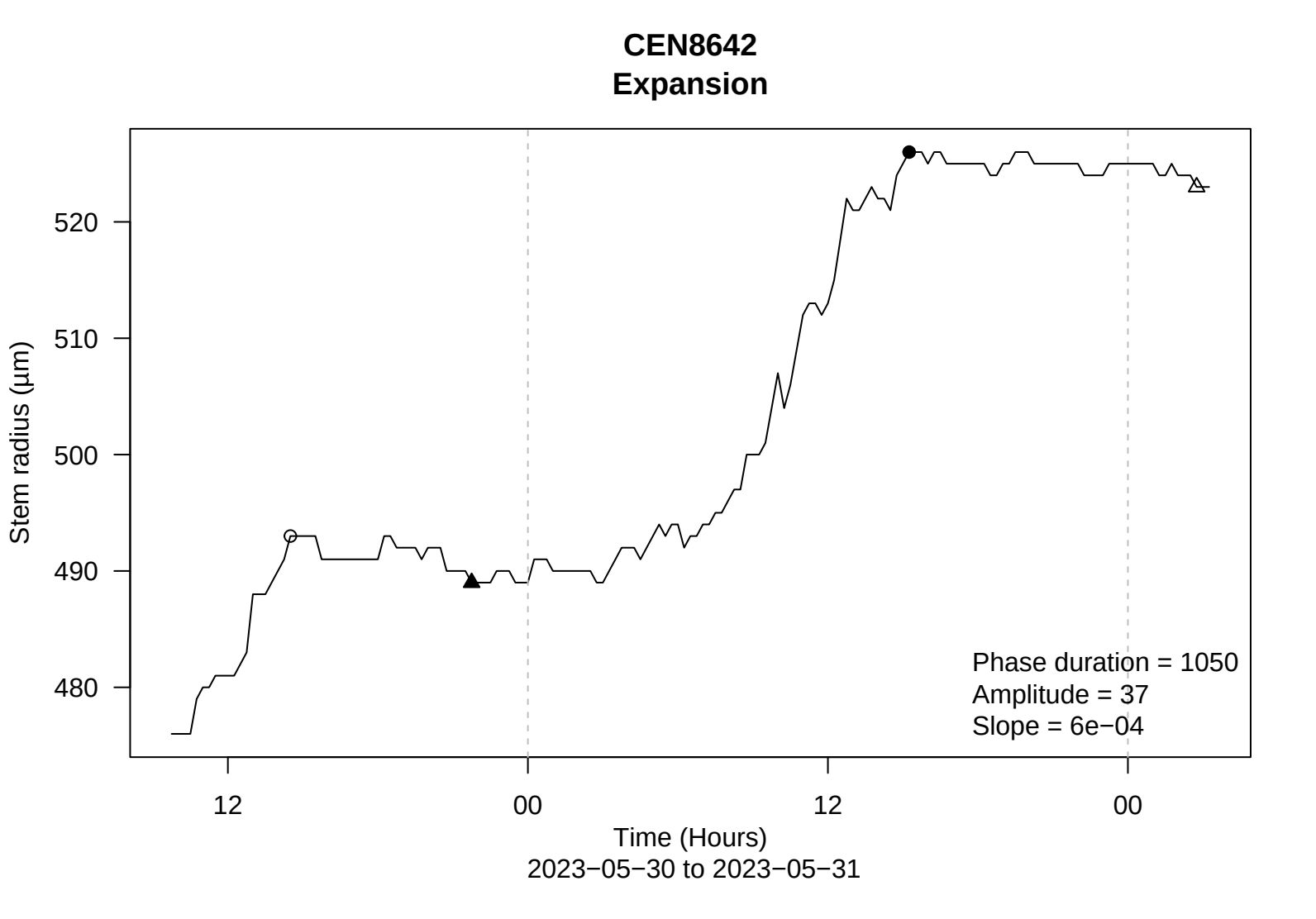

CEN8642
Shrinkage
470
460
450
440
430
420
Stem radius (µm)
Phase duration = 660
Amplitude = −9
Slope = −2e−04
12
00
12
Time (Hours)
2023−05−28 to 2023−05−29

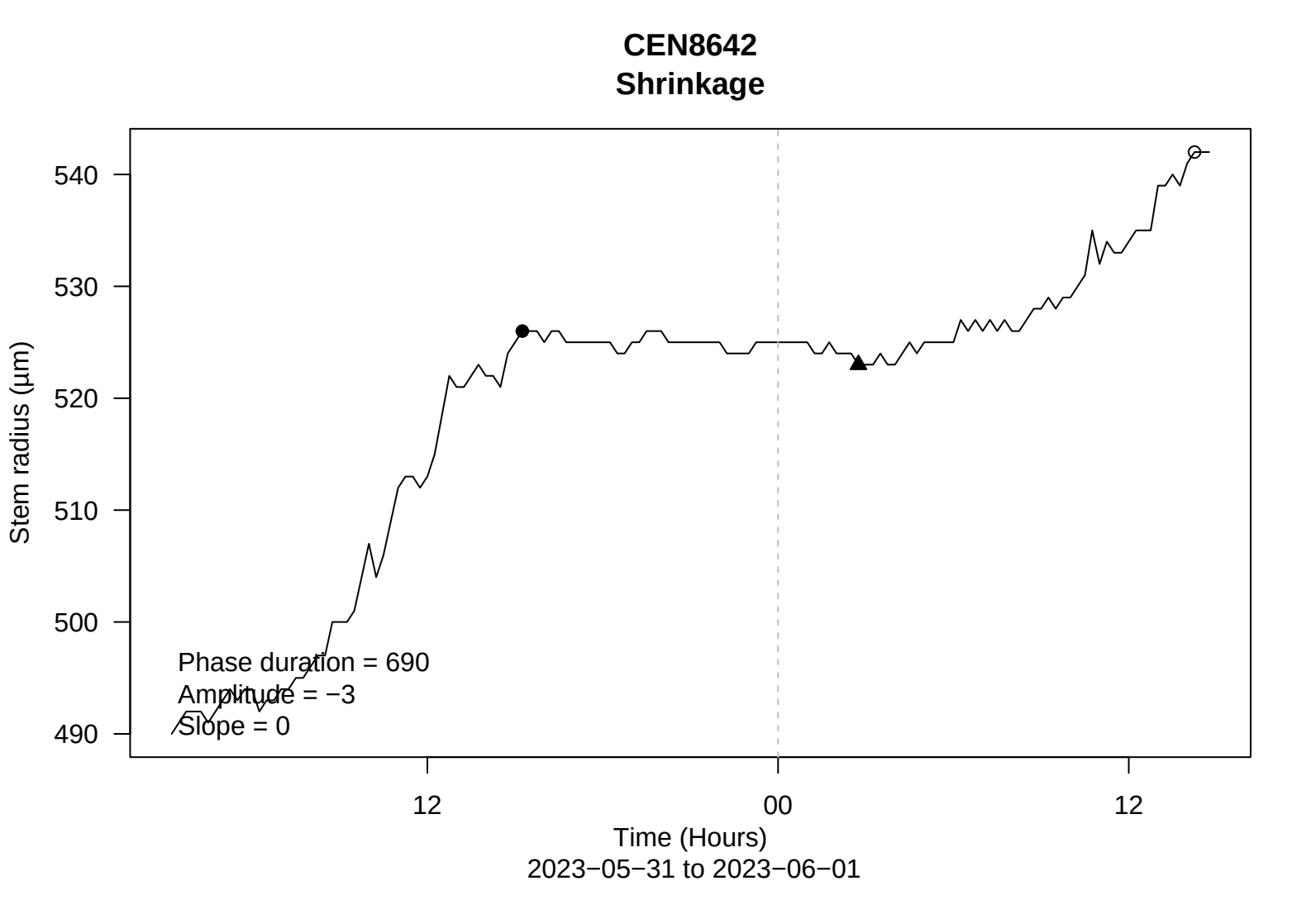

CEN8642
Expansion
470
465
460
455
450
445
Stem radius (µm)
00
12
00
Time (Hours)
2023−05−29 to 2023−05−29
Phase duration = 705
Amplitude = 25
Slope = 6e−04

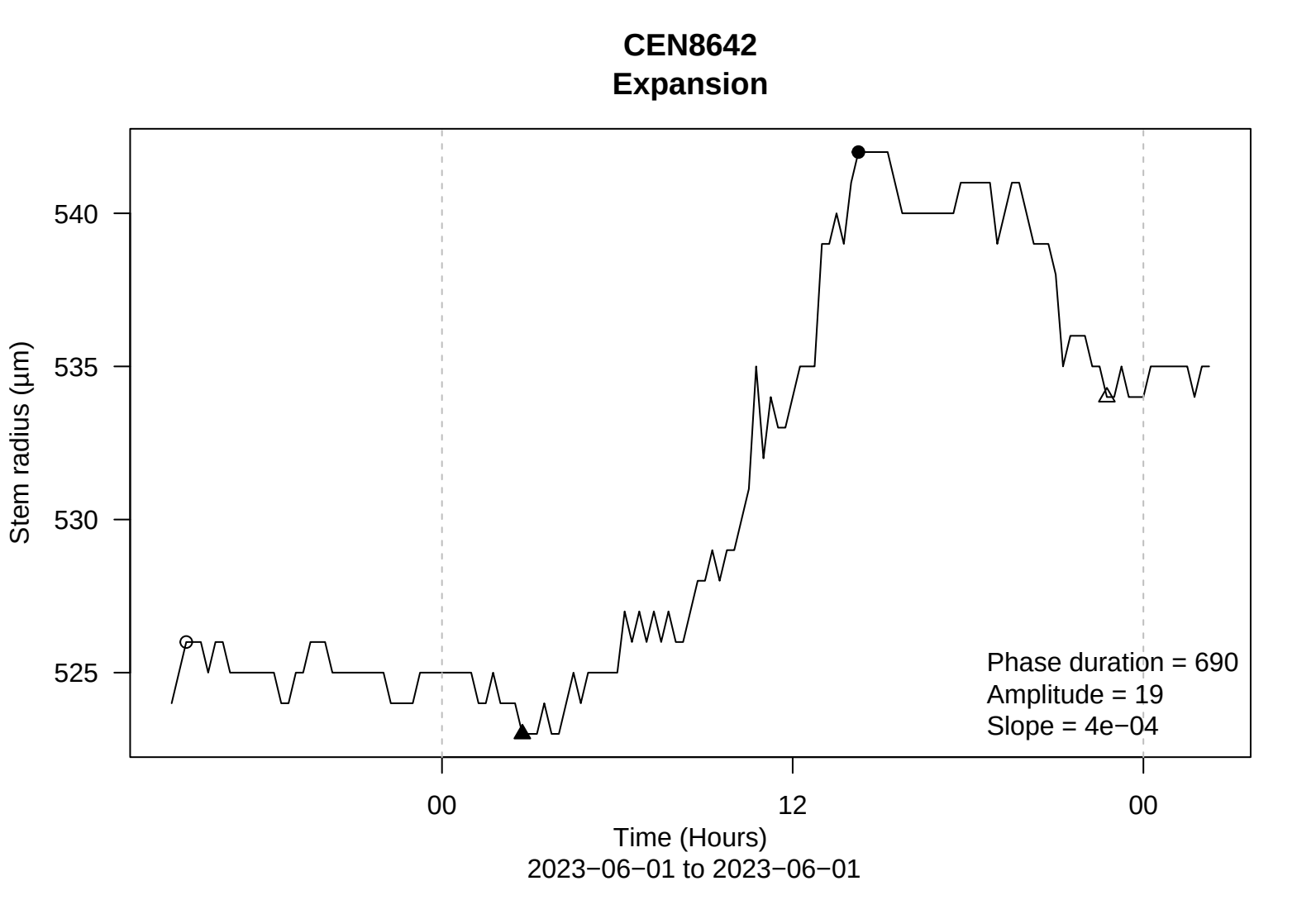

CEN8642
Shrinkage
Stem radius (µm)
475
470
465
460
455
450
445
Phase duration = 510
Amplitude = −8
Slope = −1e−04
06
12
18
00
06
Time (Hours)
2023−05−29 to 2023−05−29

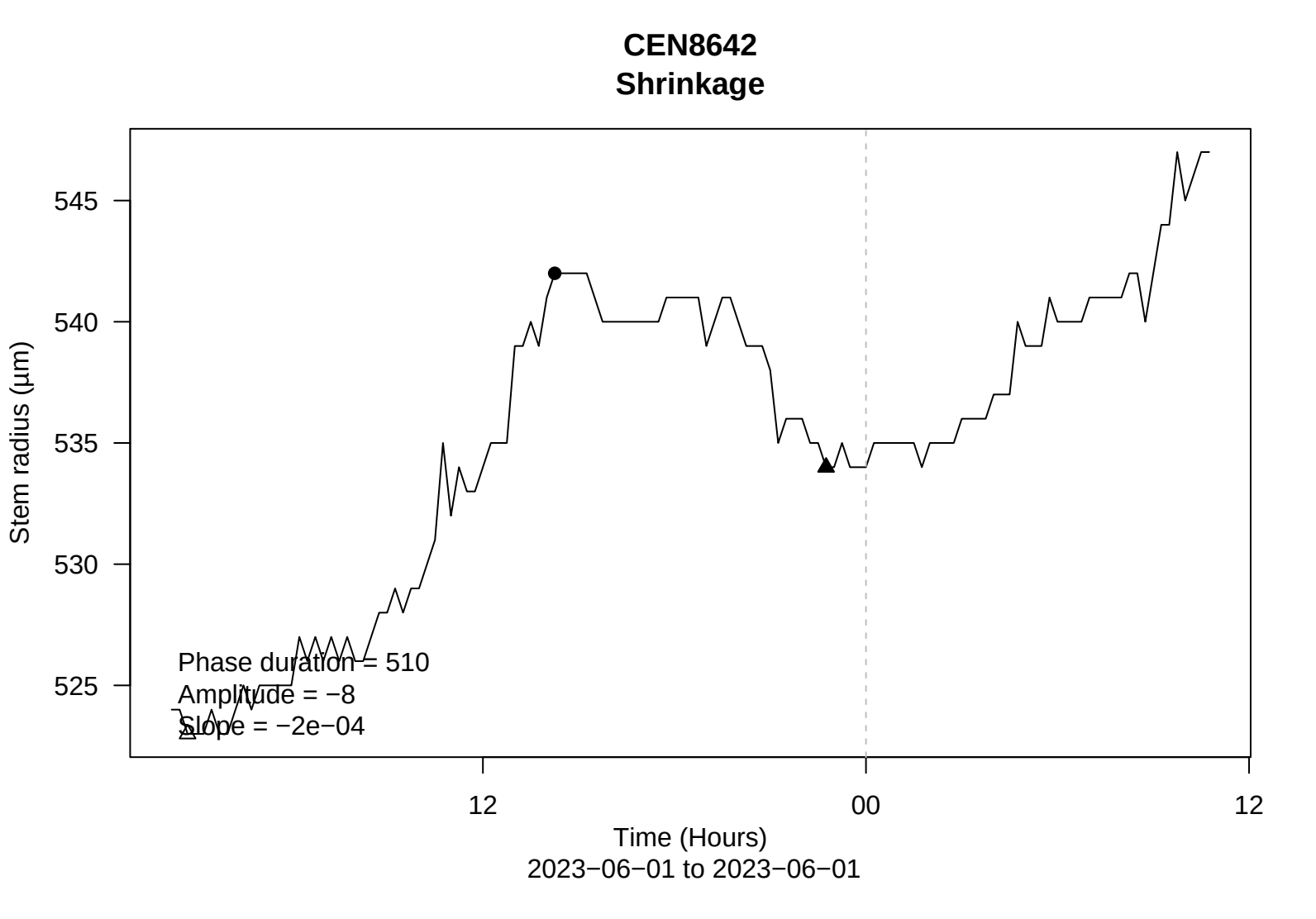

CEN8642
Expansion
490
480
470
460
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−05−29 to 2023−05−30
Phase duration = 960
Amplitude = 30
Slope = 5e−04

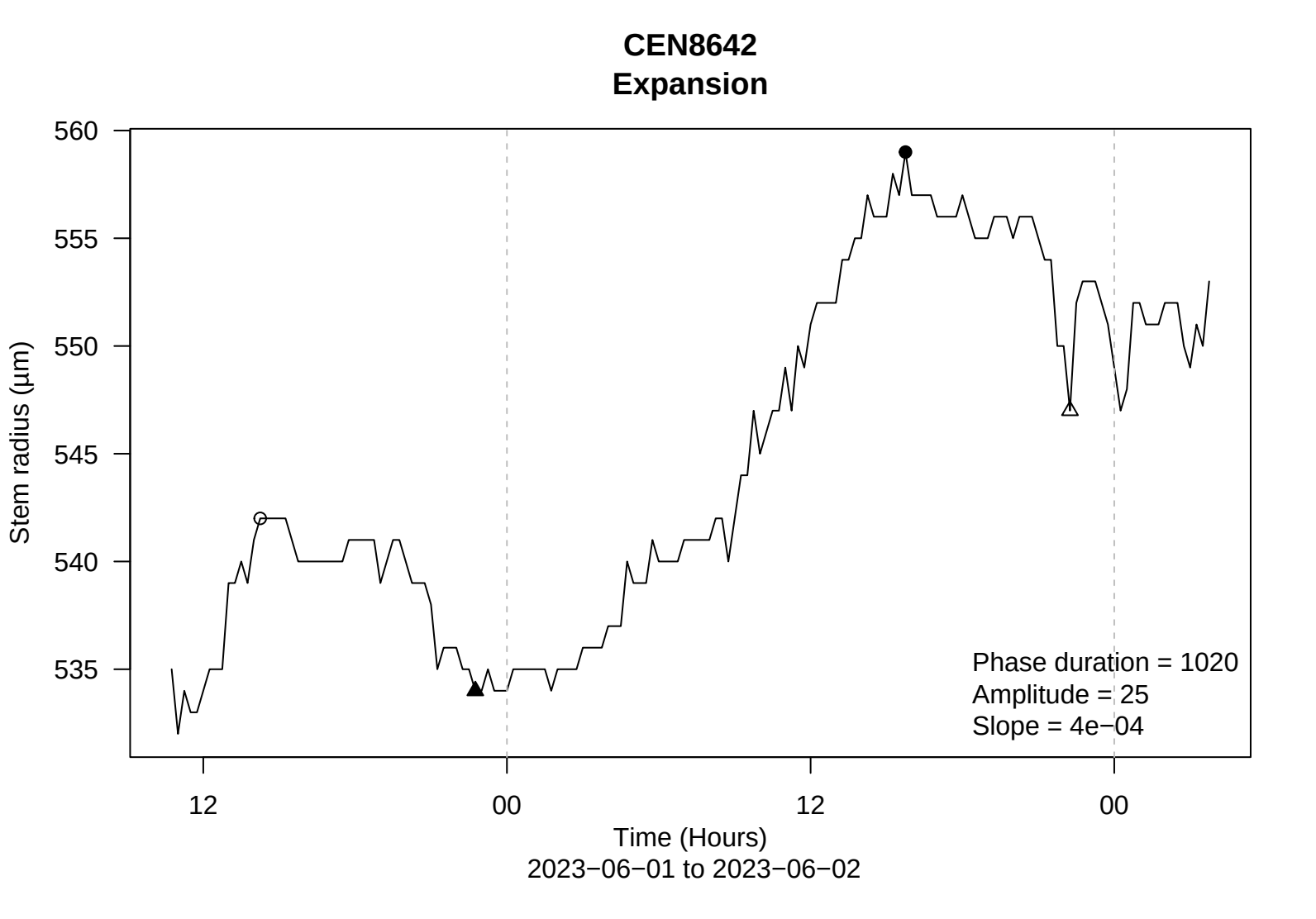

CEN8642
Shrinkage
500
490
480
470
Stem radius (µm)
Phase duration = 435
Amplitude = −4
Slope = −1e−04
06
12
18
00
06
Time (Hours)
2023−05−30 to 2023−05−30

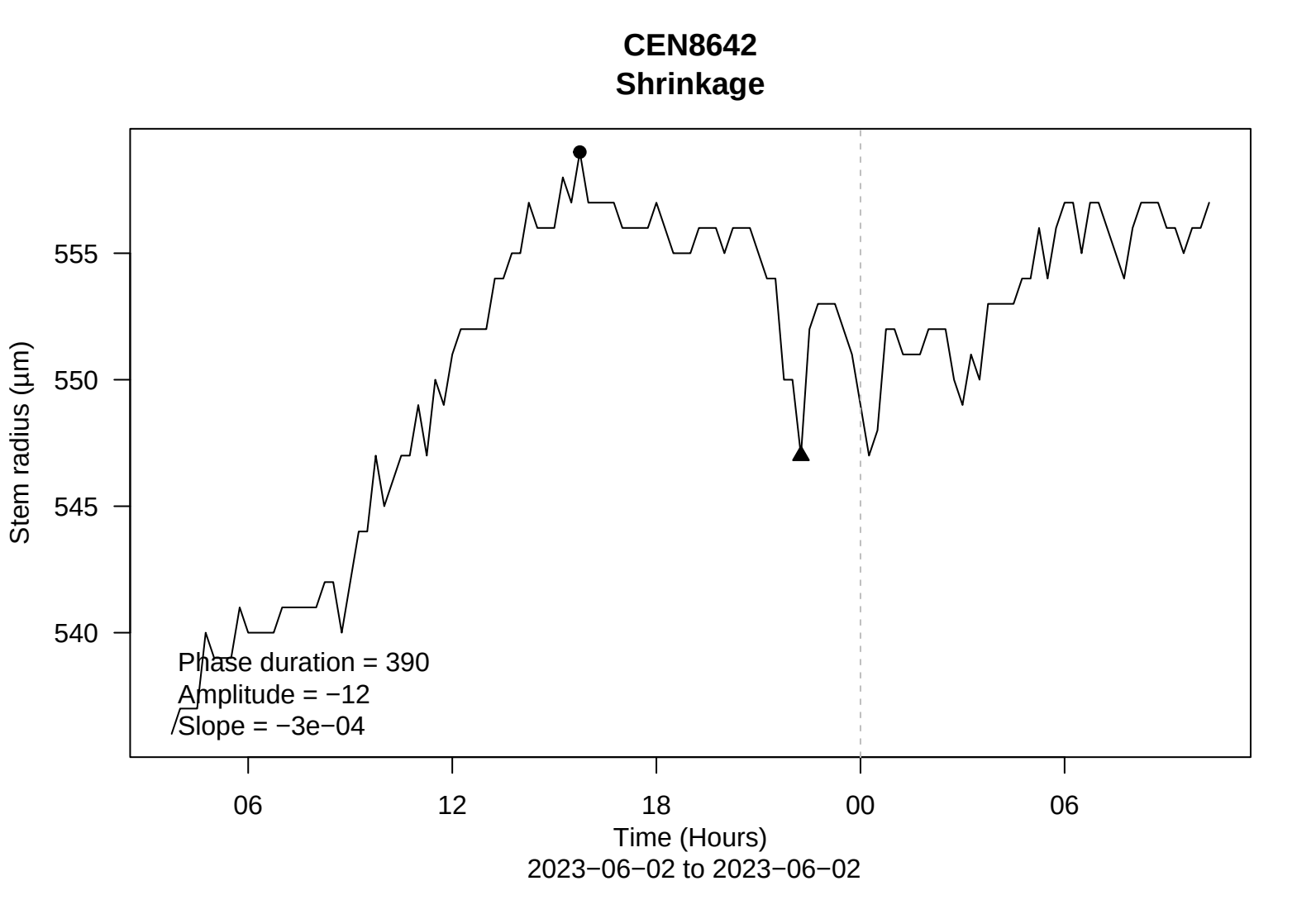

CEN8642
Expansion
520
510
500
490
480
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−05−30 to 2023−05−31
Phase duration = 1050
Amplitude = 37
Slope = 6e−04

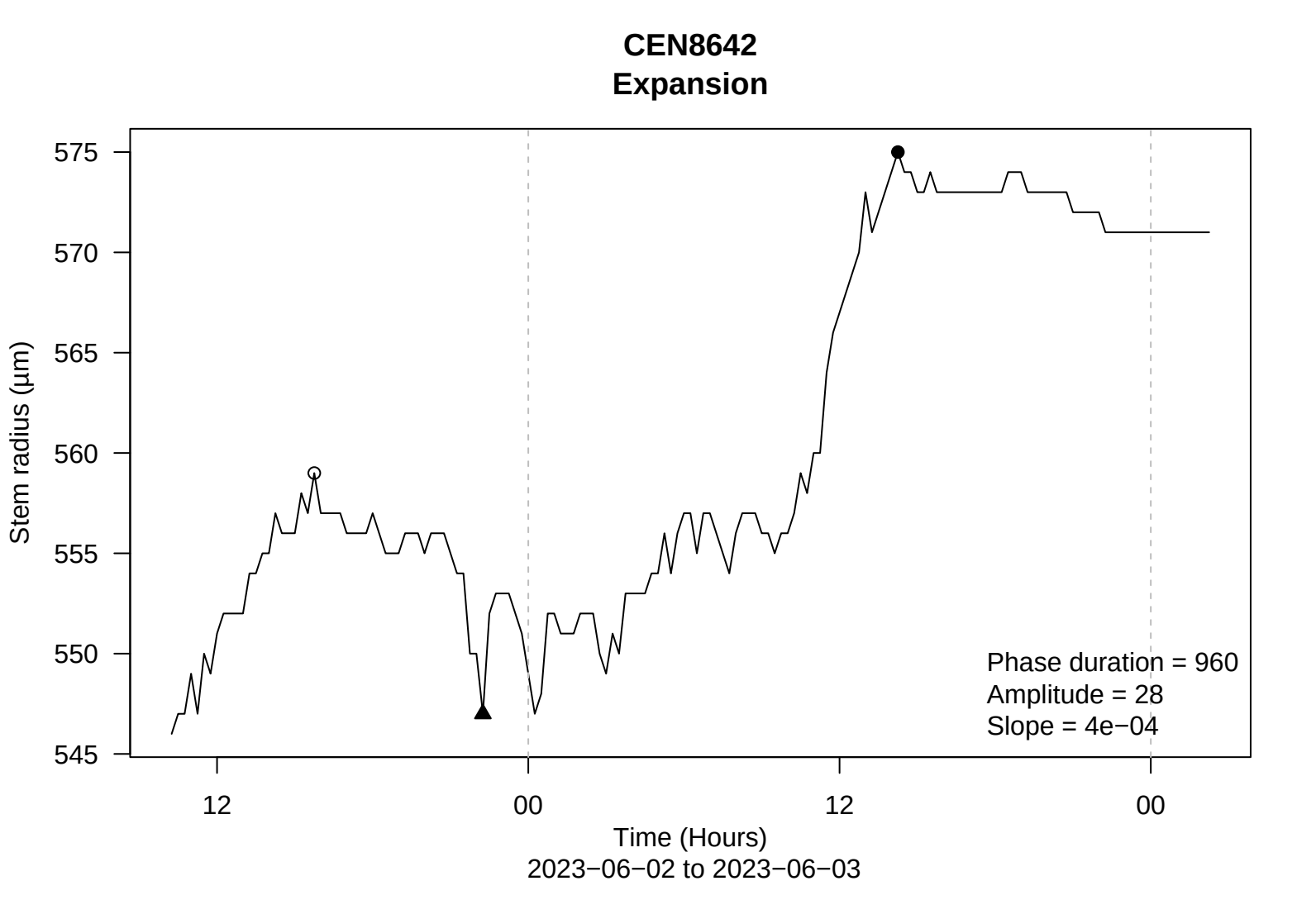

CEN8642
Shrinkage
Stem radius (µm)
540
530
520
510
500
490
Phase duration = 690
Amplitude = −3
Slope = 0
12
00
12
Time (Hours)
2023−05−31 to 2023−06−01

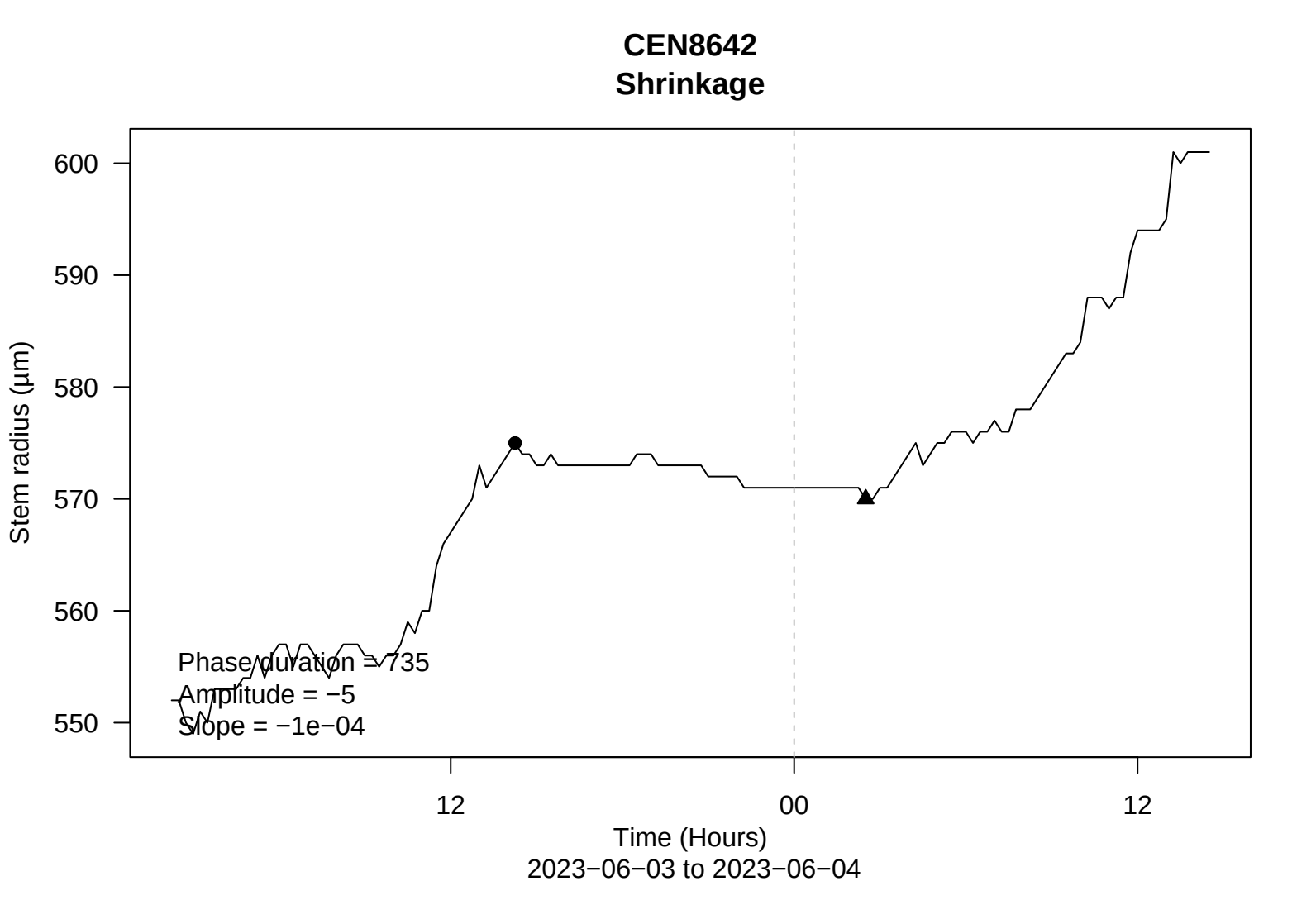

CEN8642
Expansion
540
535
530
525
Stem radius (µm)
00
12
00
Time (Hours)
2023−06−01 to 2023−06−01
Phase duration = 690
Amplitude = 19
Slope = 4e−04

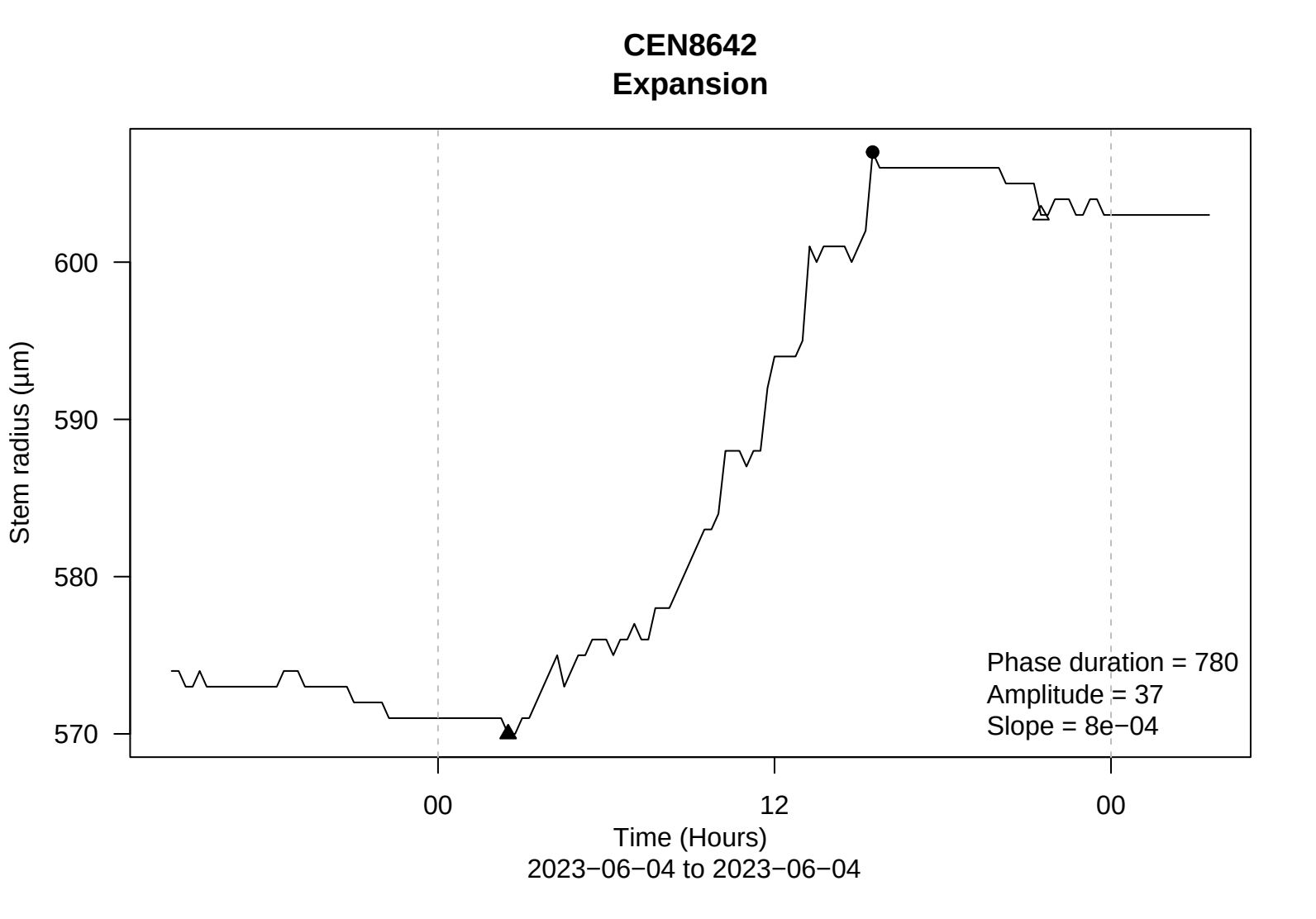

CEN8642
Shrinkage
545
540
535
530
525
Stem radius (µm)
Phase duration = 510
Amplitude = −8
Slope = −2e−04
12
00
12
Time (Hours)
2023−06−01 to 2023−06−01

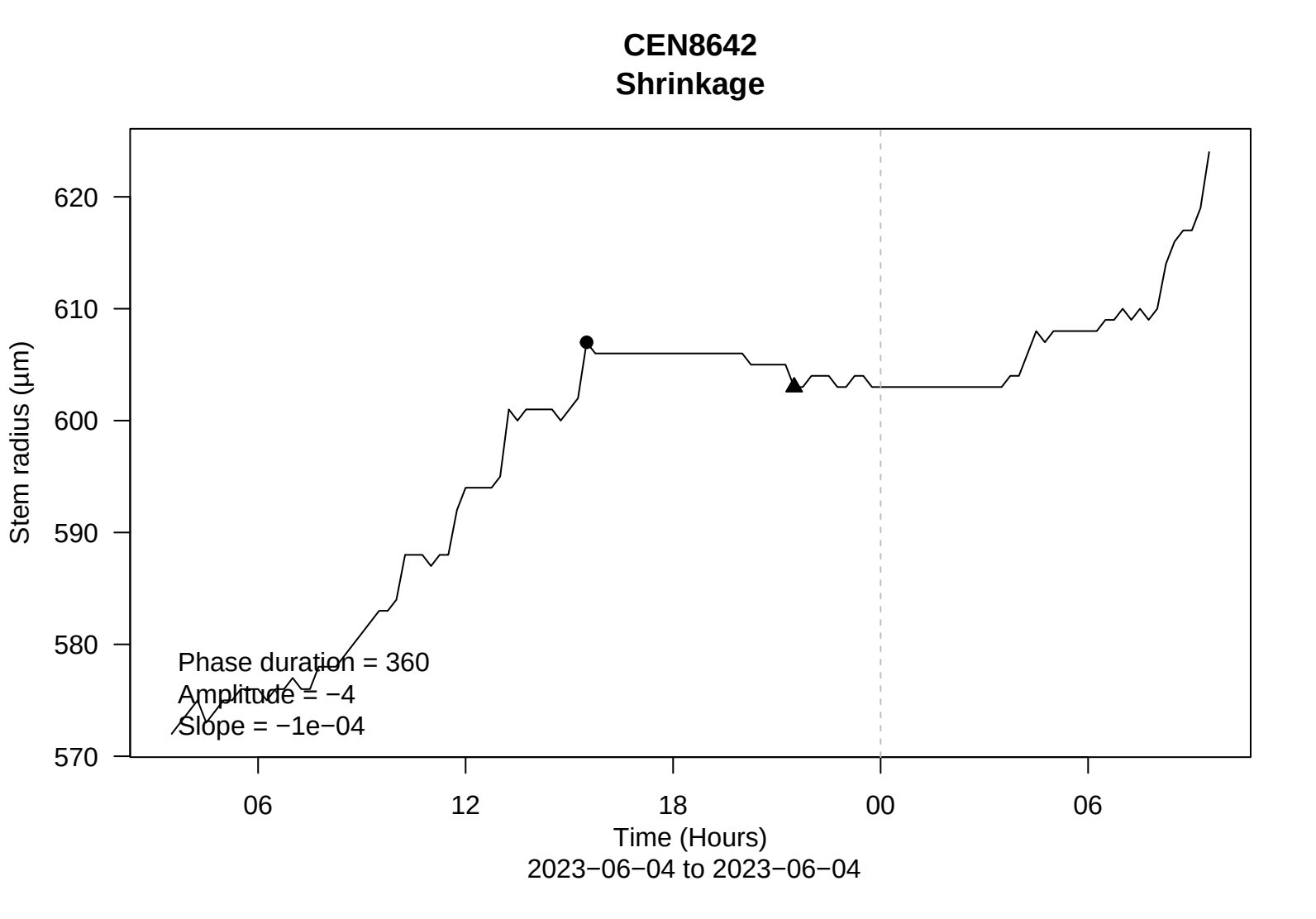

CEN8642
Expansion
560
555
550
545
540
535
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−06−01 to 2023−06−02
Phase duration = 1020
Amplitude = 25
Slope = 4e−04

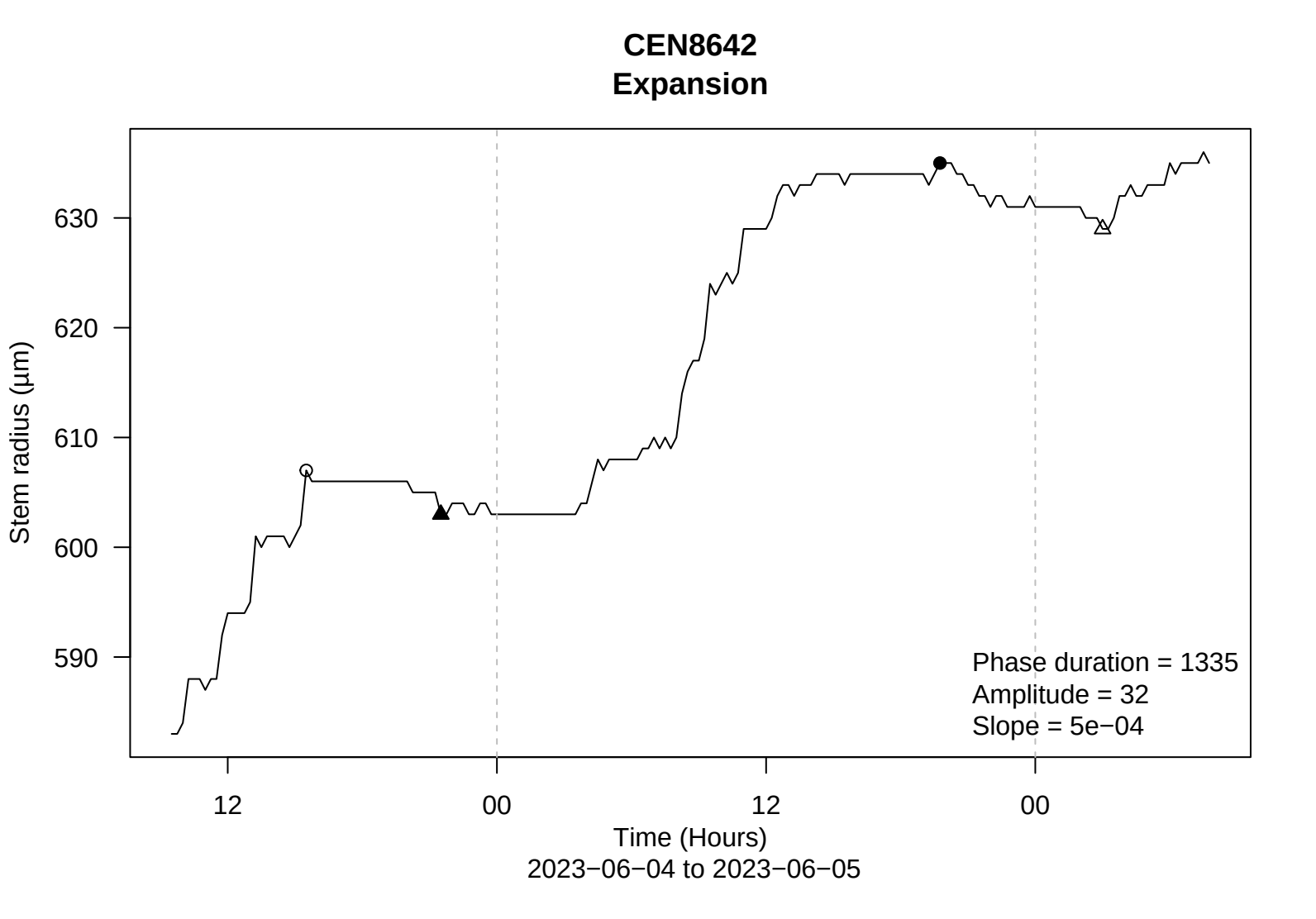

CEN8642
Shrinkage
Stem radius (µm)
555
550
545
540
Phase duration = 390
Amplitude = −12
Slope = −3e−04
06
12
18
00
06
Time (Hours)
2023−06−02 to 2023−06−02

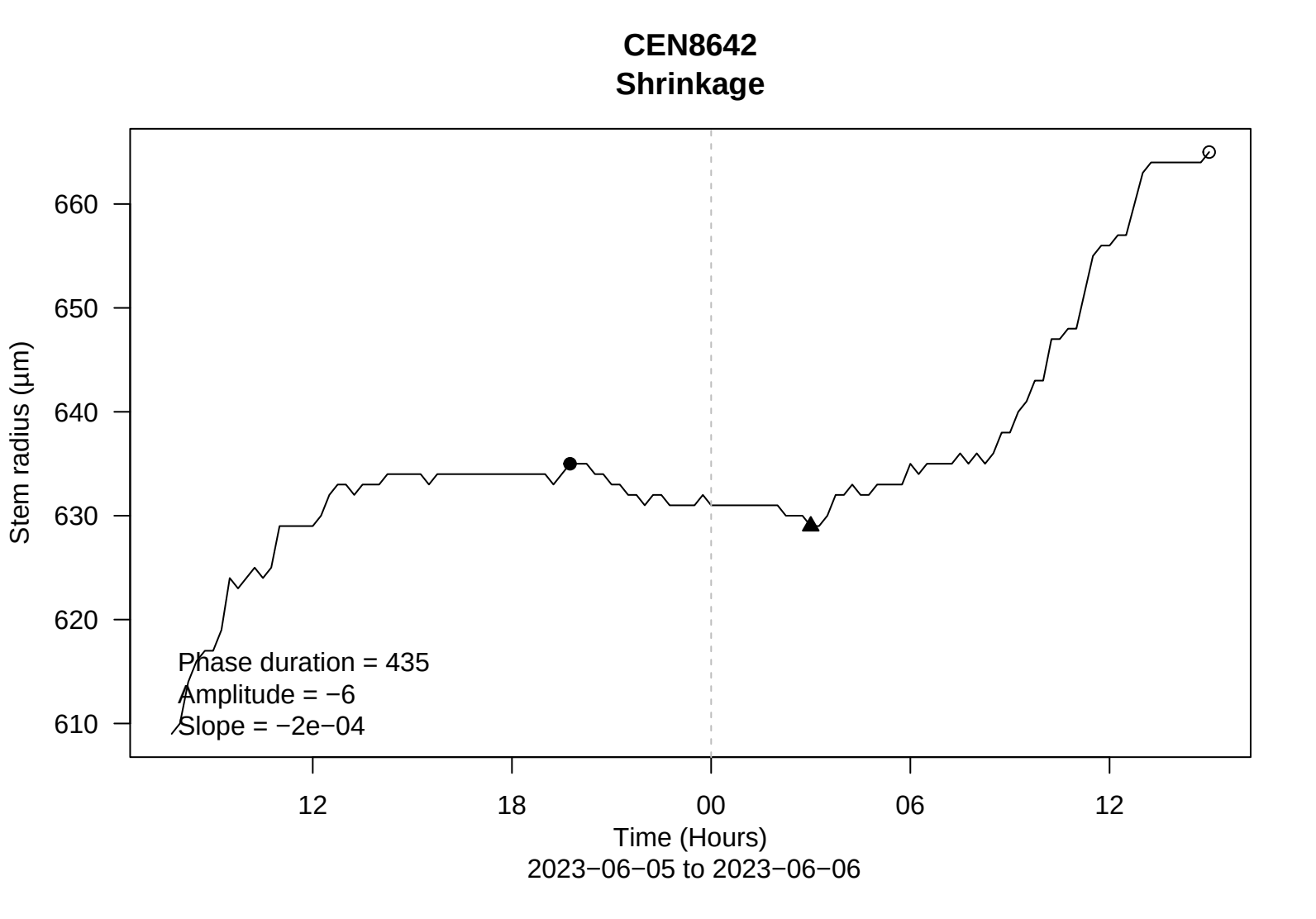

CEN8642
Expansion
575
570
565
560
555
550
545
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−06−02 to 2023−06−03
Phase duration = 960
Amplitude = 28
Slope = 4e−04

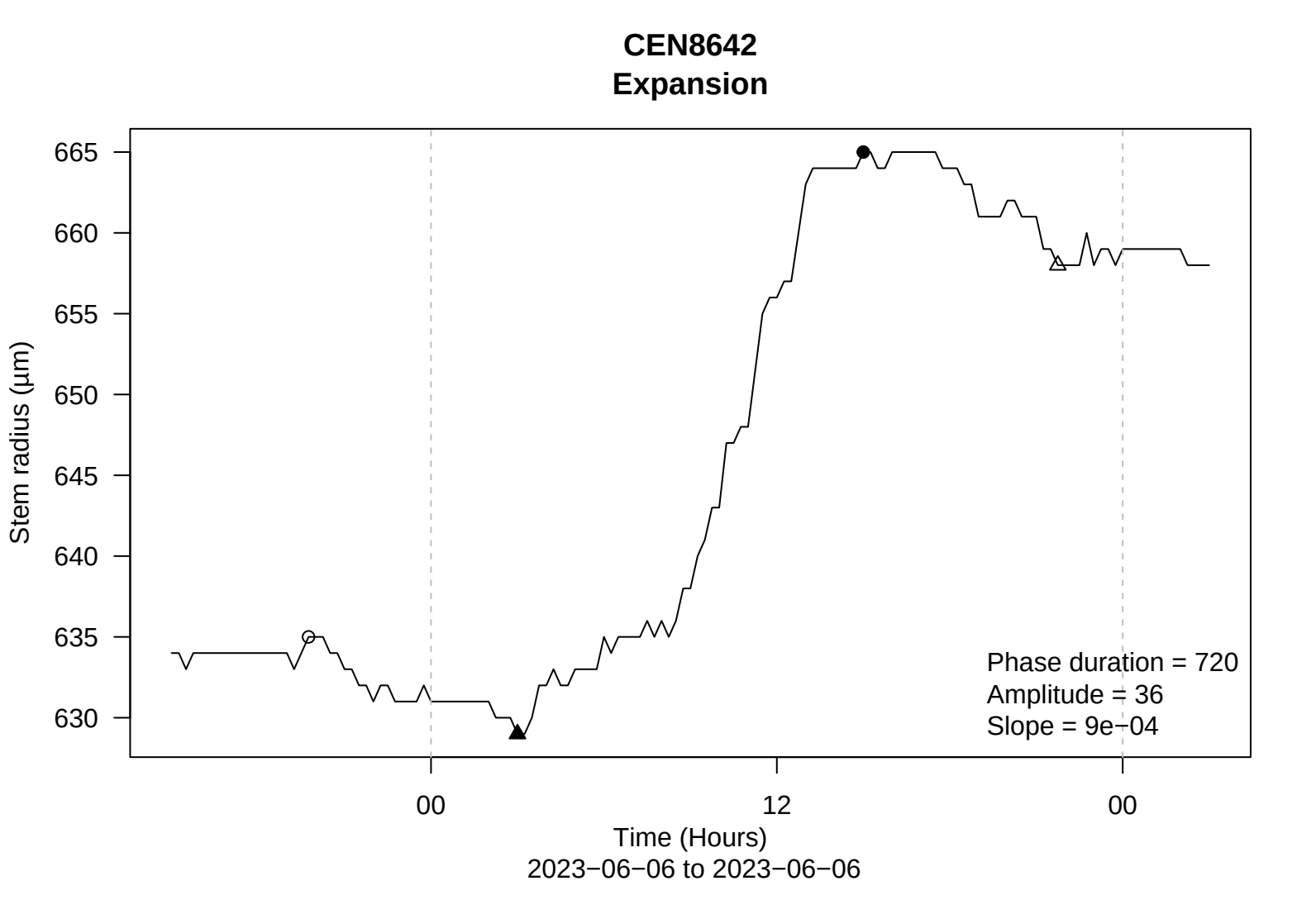

CEN8642
Shrinkage
600
590
580
570
560
550
Stem radius (µm)
Phase duration = 735
Amplitude = −5
Slope = −1e−04
12
00
12
Time (Hours)
2023−06−03 to 2023−06−04

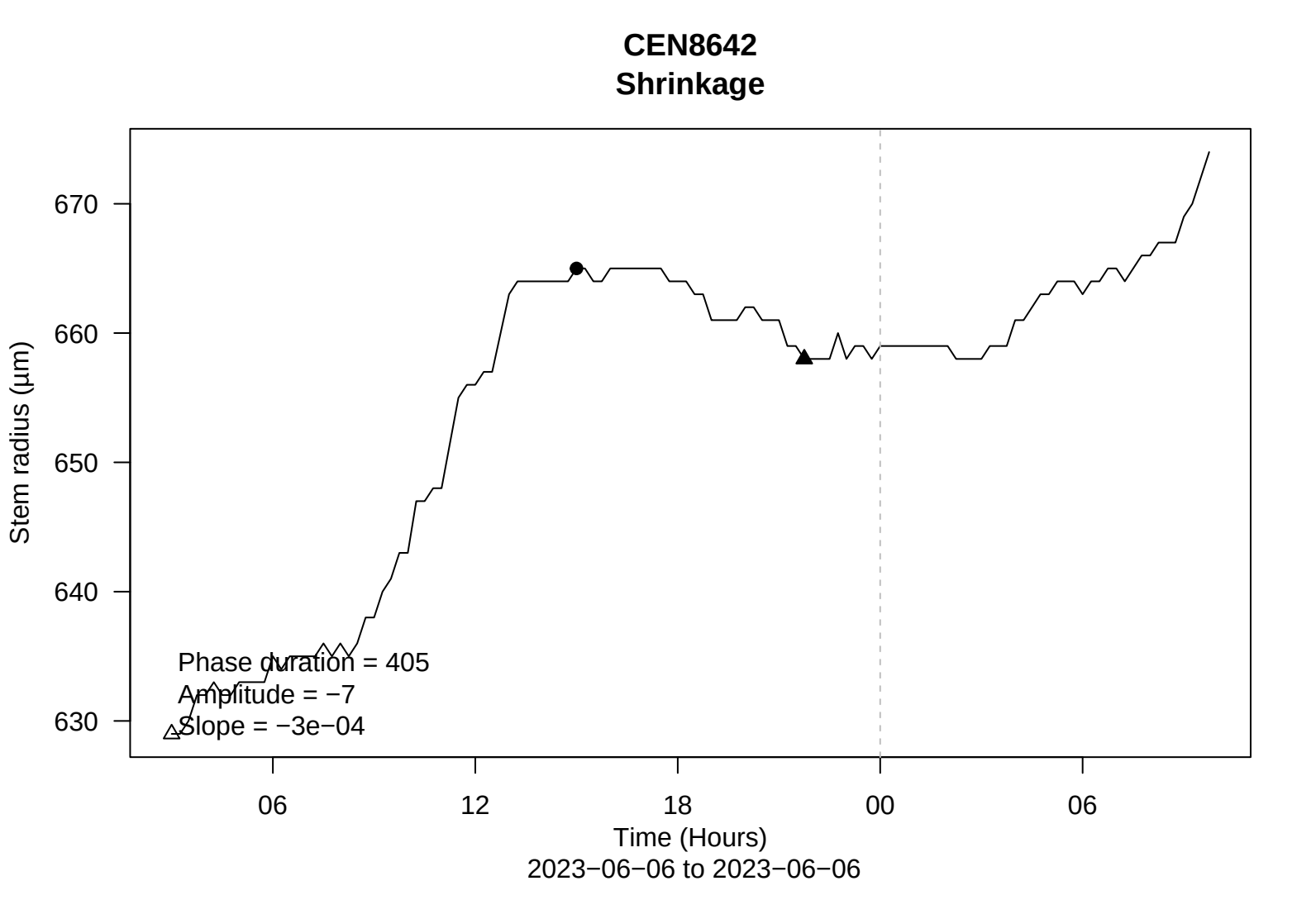

CEN8642
Expansion
600
590
580
570
Stem radius (µm)
00
12
00
Time (Hours)
2023−06−04 to 2023−06−04
Phase duration = 780
Amplitude = 37
Slope = 8e−04

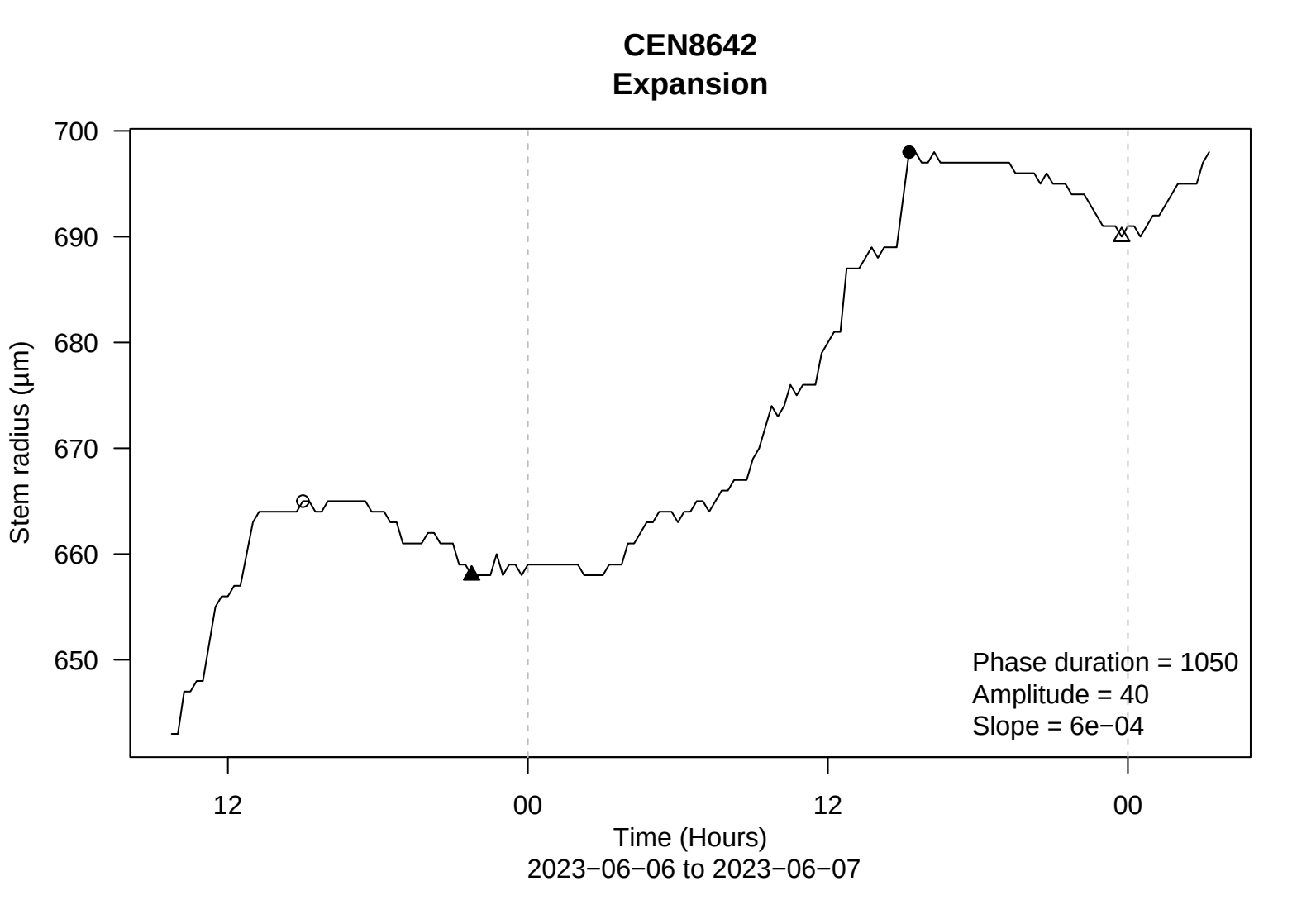

CEN8642
Shrinkage
620
610
600
590
580
570
Stem radius (µm)
Phase duration = 360
Amplitude = −4
Slope = −1e−04
06
12
18
00
06
Time (Hours)
2023−06−04 to 2023−06−04

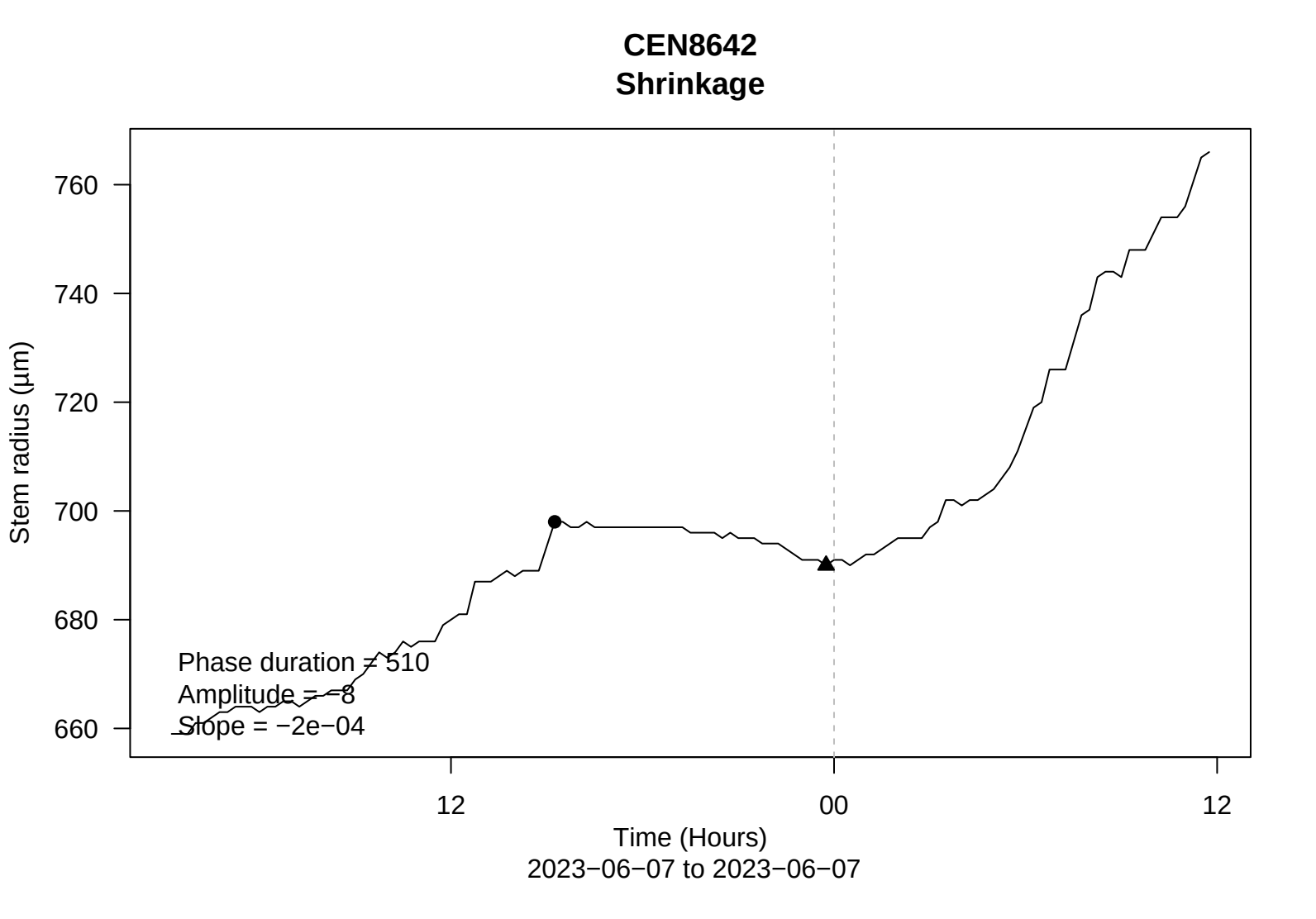

CEN8642
Expansion
630
620
610
600
590
Stem radius (µm)
Phase duration = 1335
Amplitude = 32
Slope = 5e−04
12
00
12
00
Time (Hours)
2023−06−04 to 2023−06−05

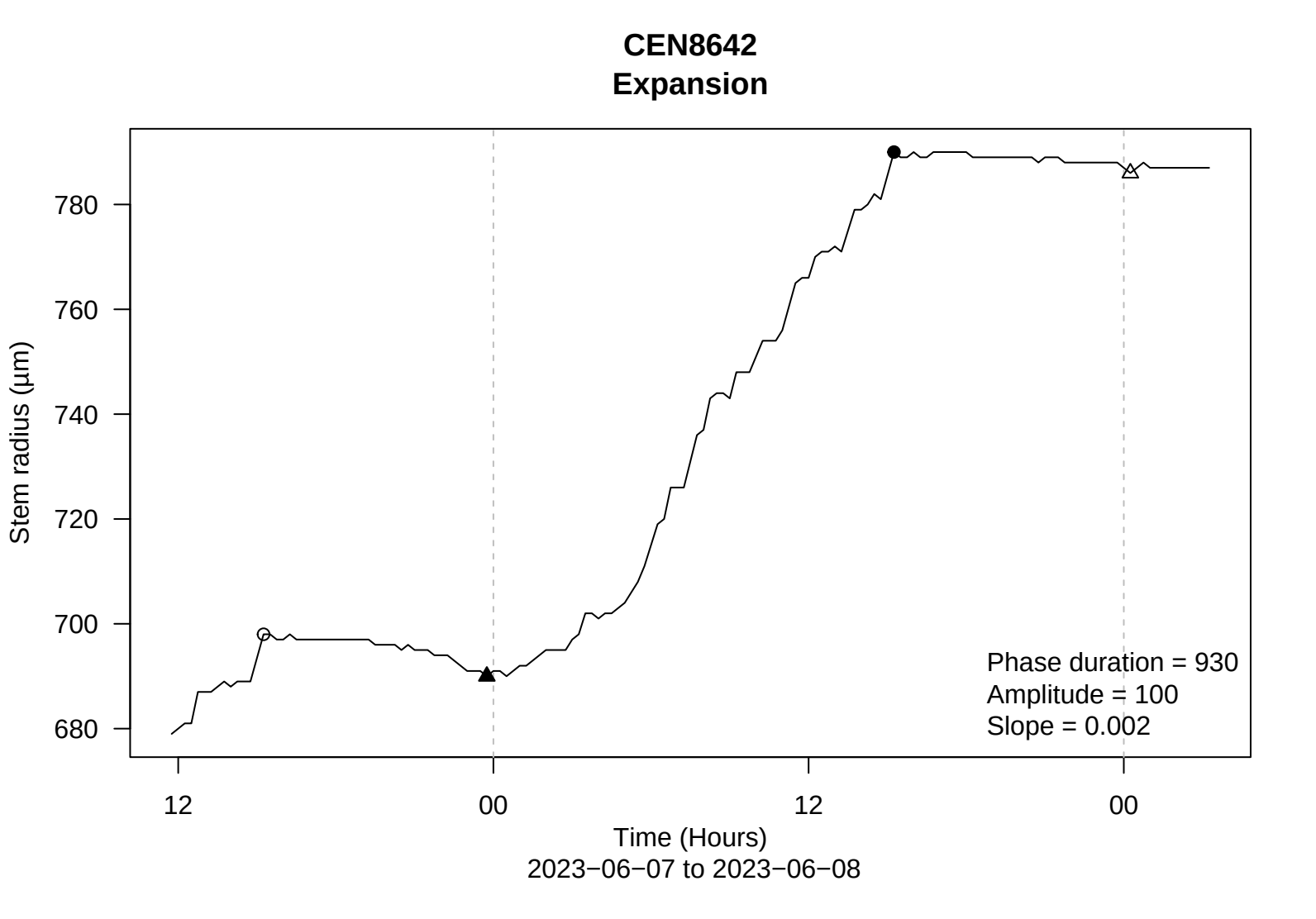

CEN8642
Shrinkage
660
650
640
630
620
610
Stem radius (µm)
Phase duration = 435
Amplitude = −6
Slope = −2e−04
12
18
00
06
12
Time (Hours)
2023−06−05 to 2023−06−06

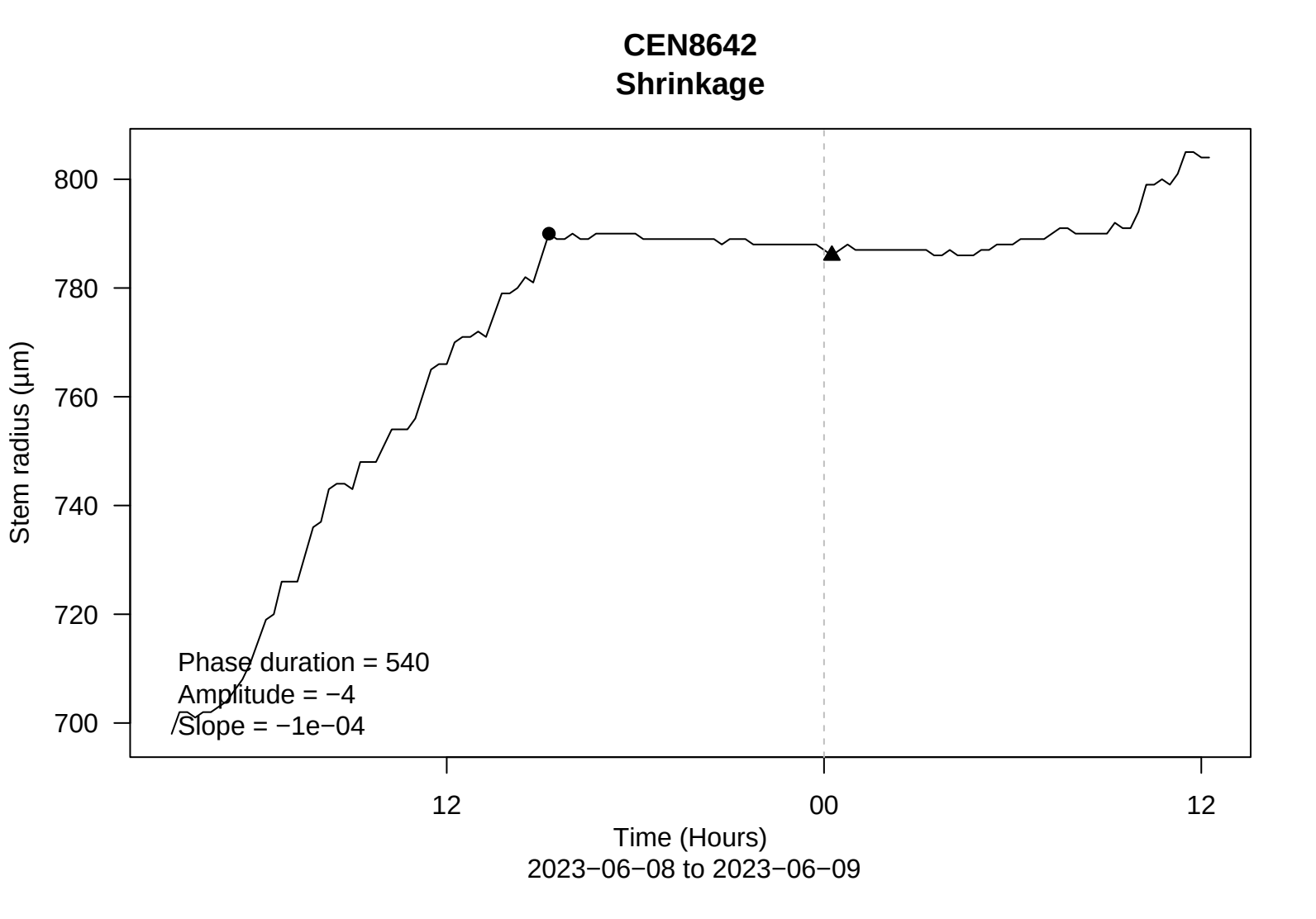

CEN8642
Expansion
665
660
655
650
645
640
635
630
Stem radius (µm)
00
12
00
Time (Hours)
2023−06−06 to 2023−06−06
Phase duration = 720
Amplitude = 36
Slope = 9e−04

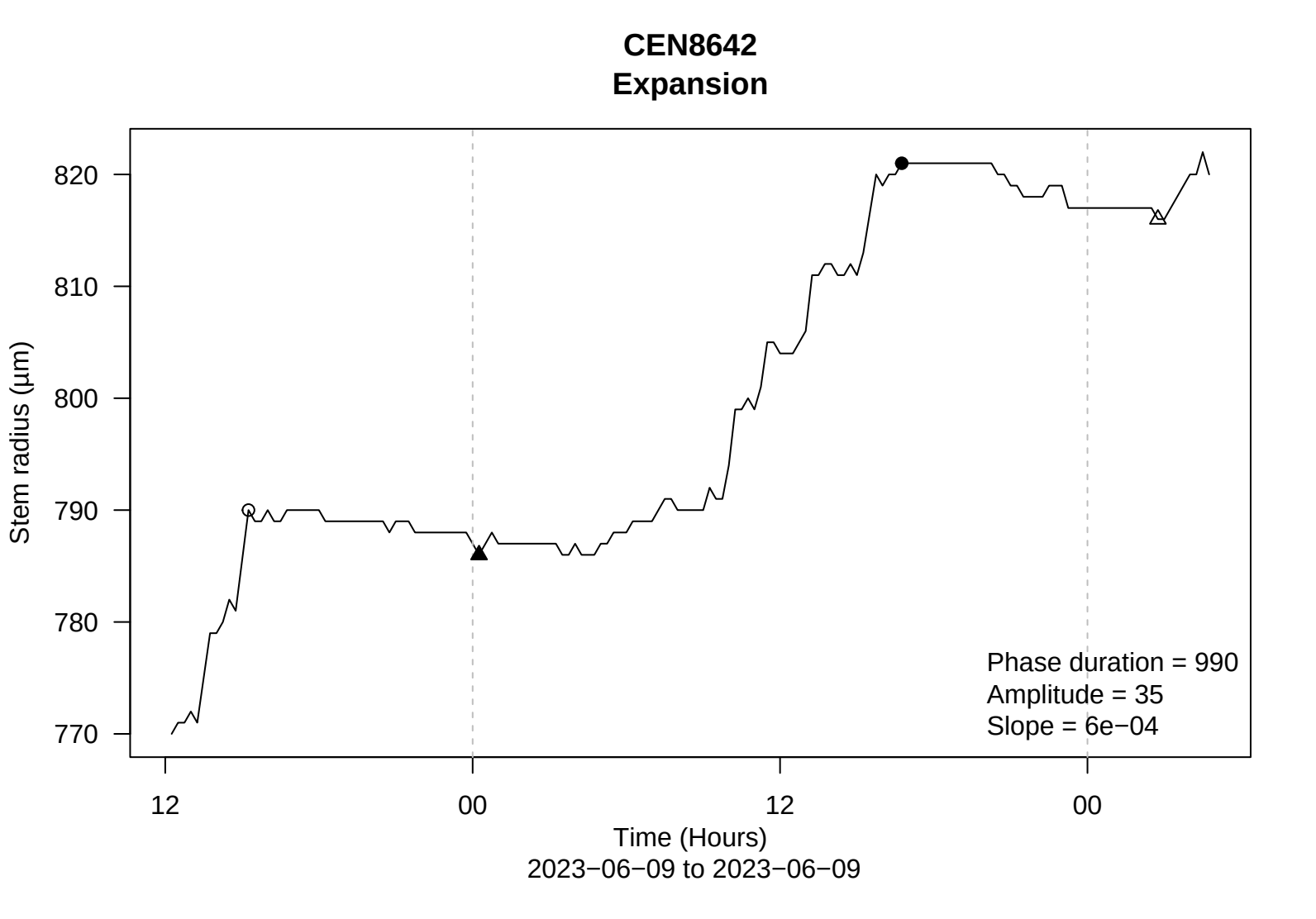

CEN8642
Shrinkage
Stem radius (µm)
670
660
650
640
630
Phase duration = 405
Amplitude = −7
Slope = −3e−04
06
12
18
00
06
Time (Hours)
2023−06−06 to 2023−06−06

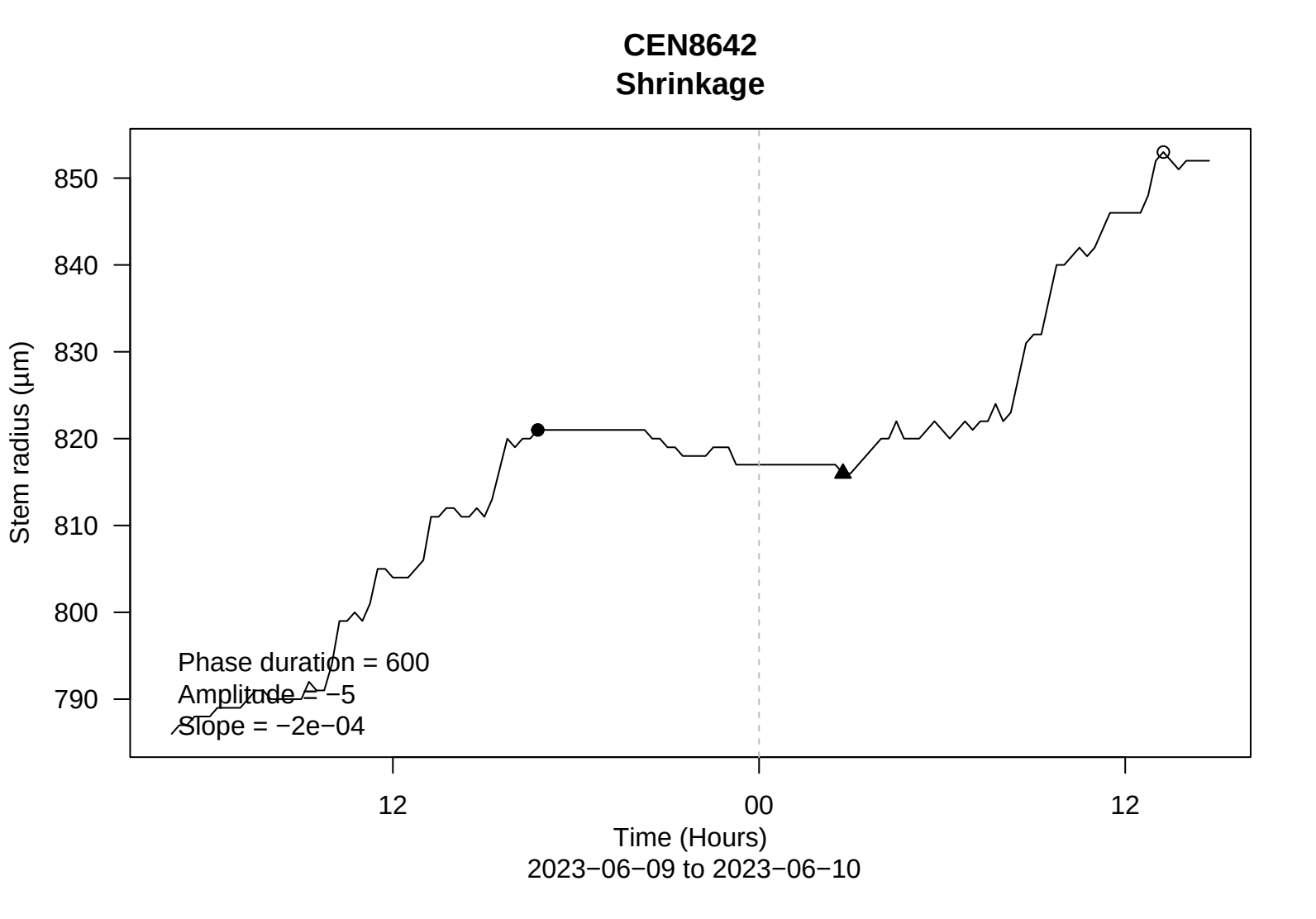

CEN8642
Expansion
700
690
680
670
660
650
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−06−06 to 2023−06−07
Phase duration = 1050
Amplitude = 40
Slope = 6e−04

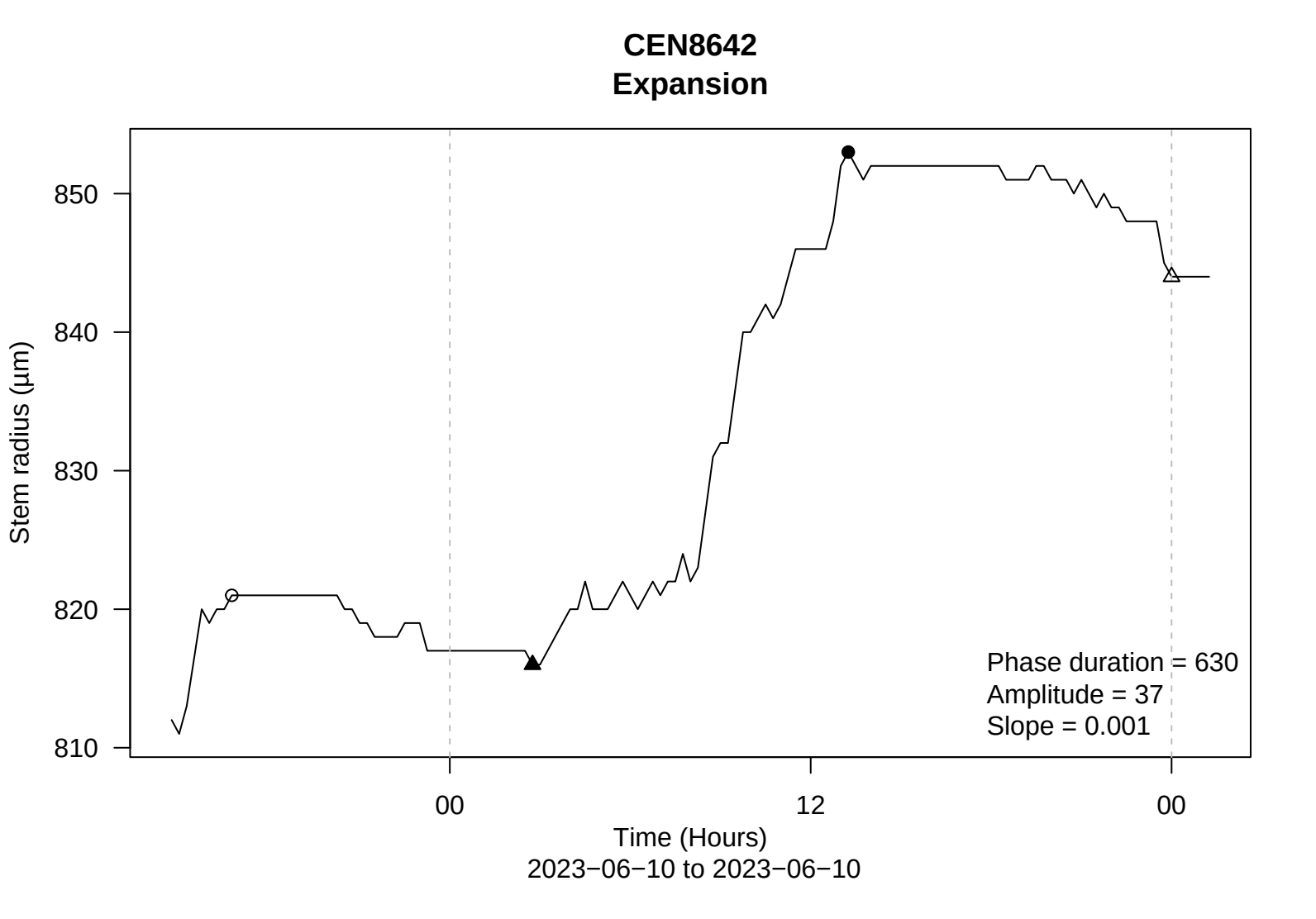

CEN8642
Shrinkage
760
740
720
700
680
660
Stem radius (µm)
Phase duration = 510
Amplitude = −8
Slope = −2e−04
12
00
12
Time (Hours)
2023−06−07 to 2023−06−07

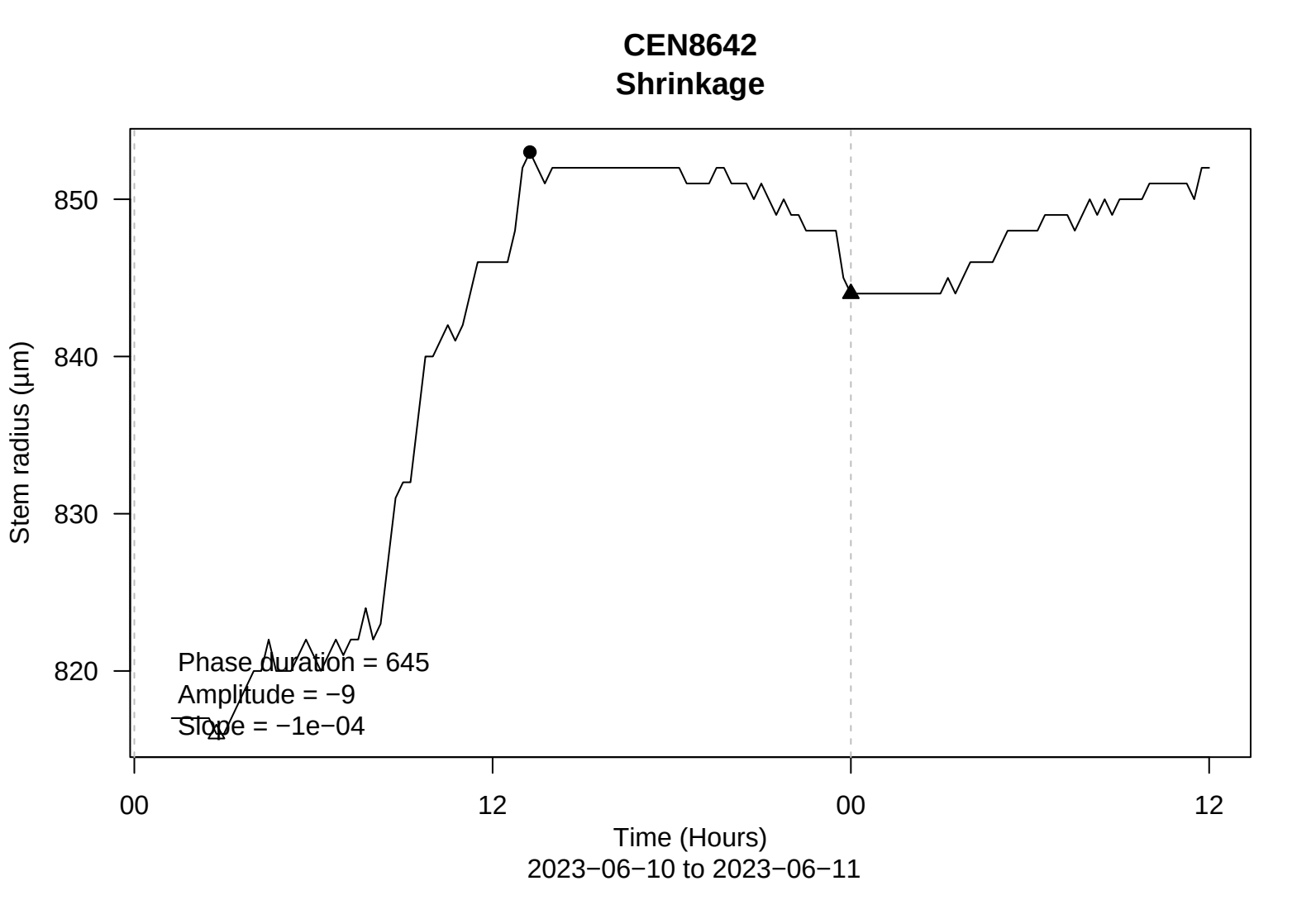

CEN8642
Expansion
780
760
740
720
700
680
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−06−07 to 2023−06−08
Phase duration = 930
Amplitude = 100
Slope = 0.002

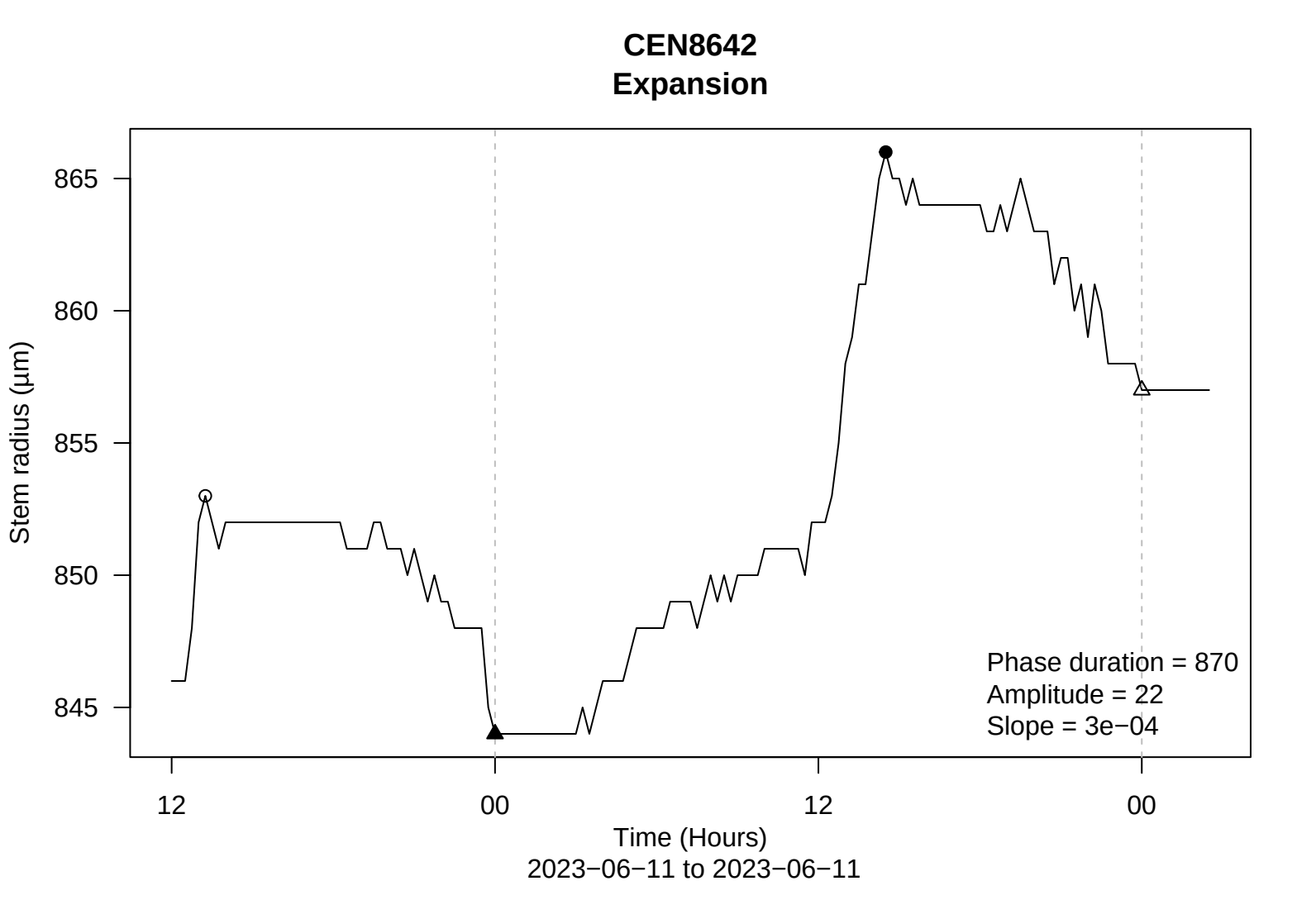

CEN8642
Shrinkage
800
780
760
740
720
700
Stem radius (µm)
Phase duration = 540
Amplitude = −4
Slope = −1e−04
12
00
12
Time (Hours)
2023−06−08 to 2023−06−09

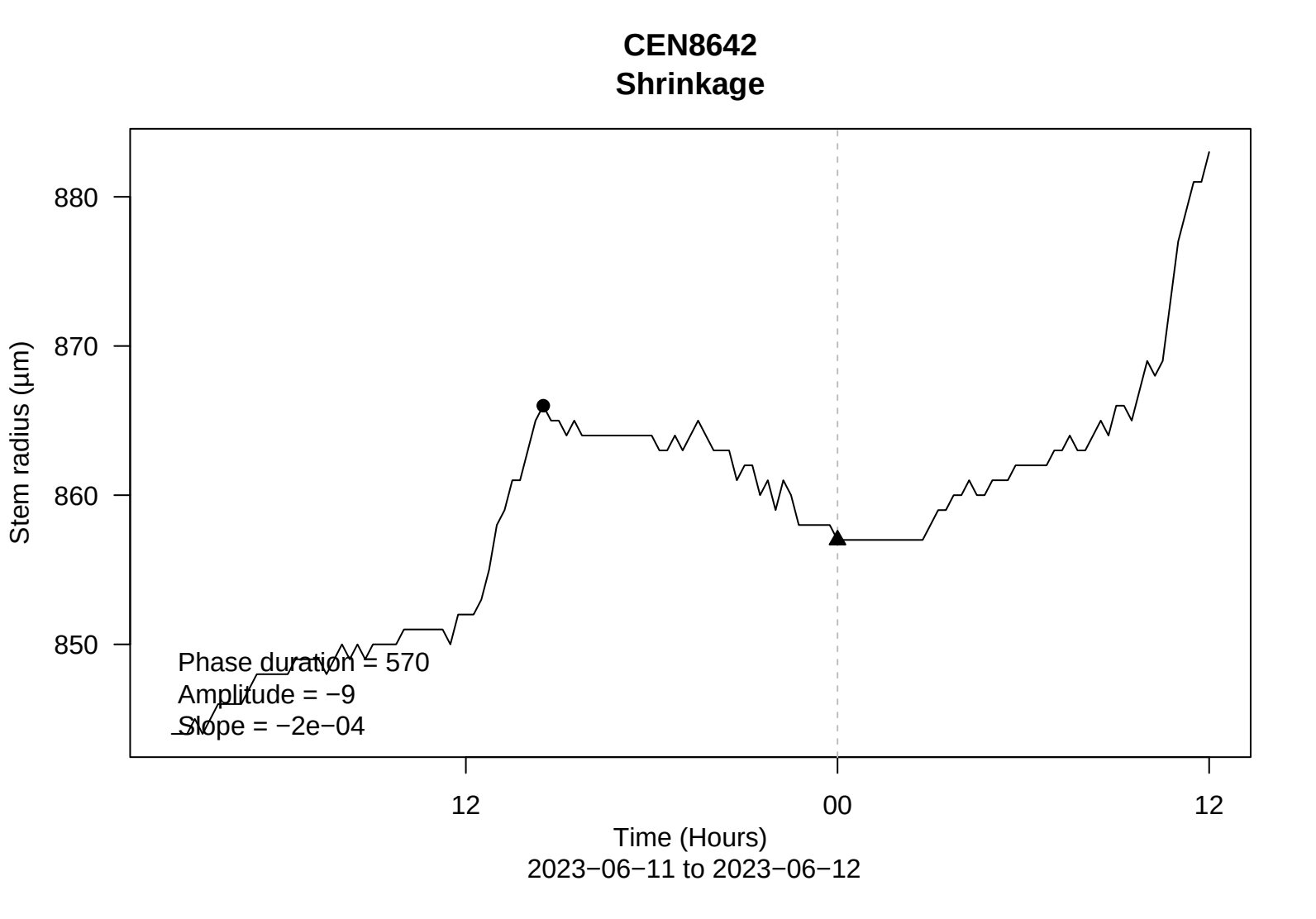

CEN8642
Expansion
820
810
800
790
780
770
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−06−09 to 2023−06−09
Phase duration = 990
Amplitude = 35
Slope = 6e−04

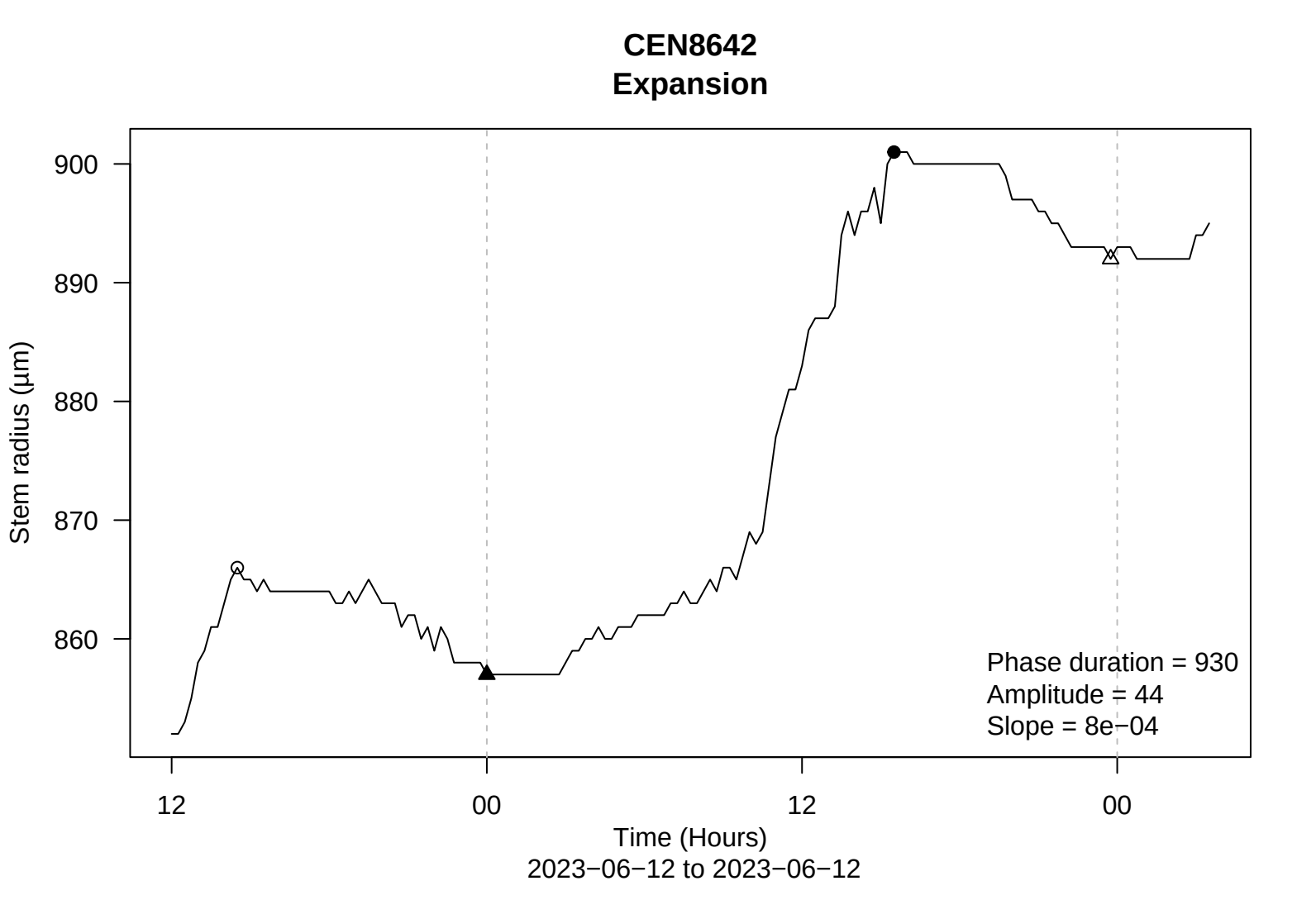

CEN8642
Shrinkage
850
840
830
820
810
800
790
Stem radius (µm)
Phase duration = 600
Amplitude = −5
Slope = −2e−04
12
00
12
Time (Hours)
2023−06−09 to 2023−06−10

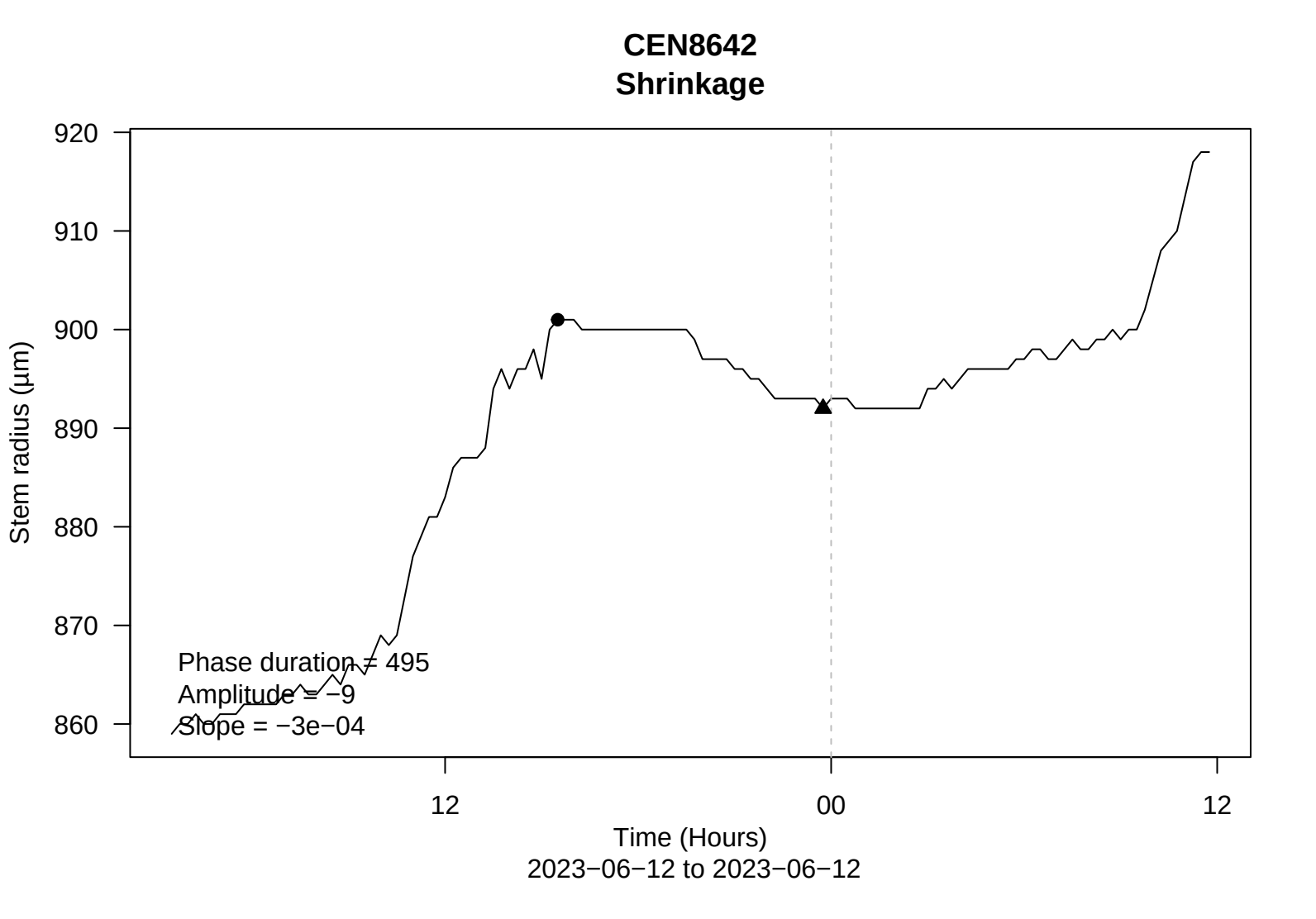

CEN8642
Expansion
850
840
830
820
810
Stem radius (µm)
00
12
00
Time (Hours)
2023−06−10 to 2023−06−10
Phase duration = 630
Amplitude = 37
Slope = 0.001

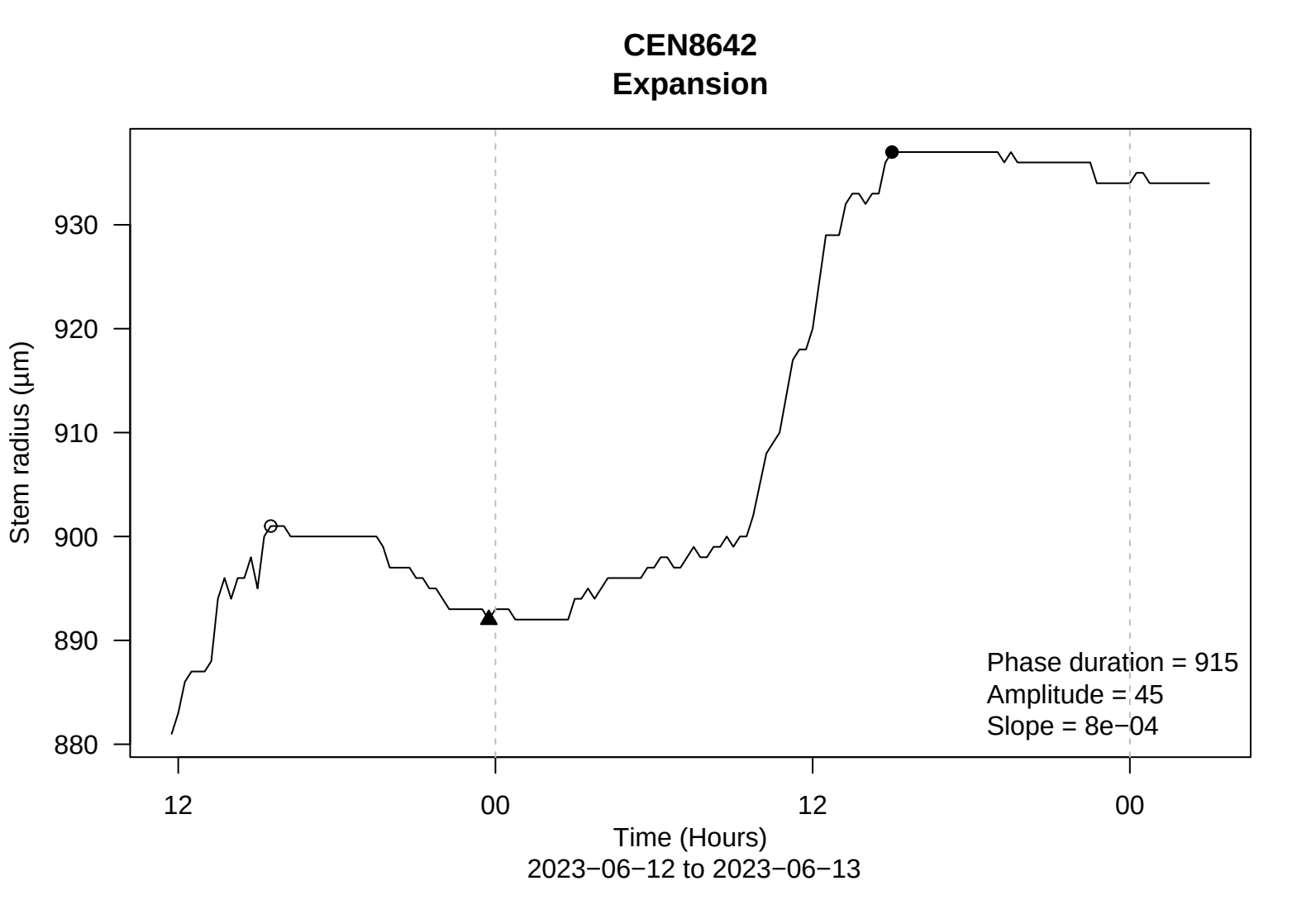

CEN8642
Shrinkage
850
840
830
820
Stem radius (µm)
Phase duration = 645
Amplitude = −9
Slope = −1e−04
00
12
00
12
Time (Hours)
2023−06−10 to 2023−06−11

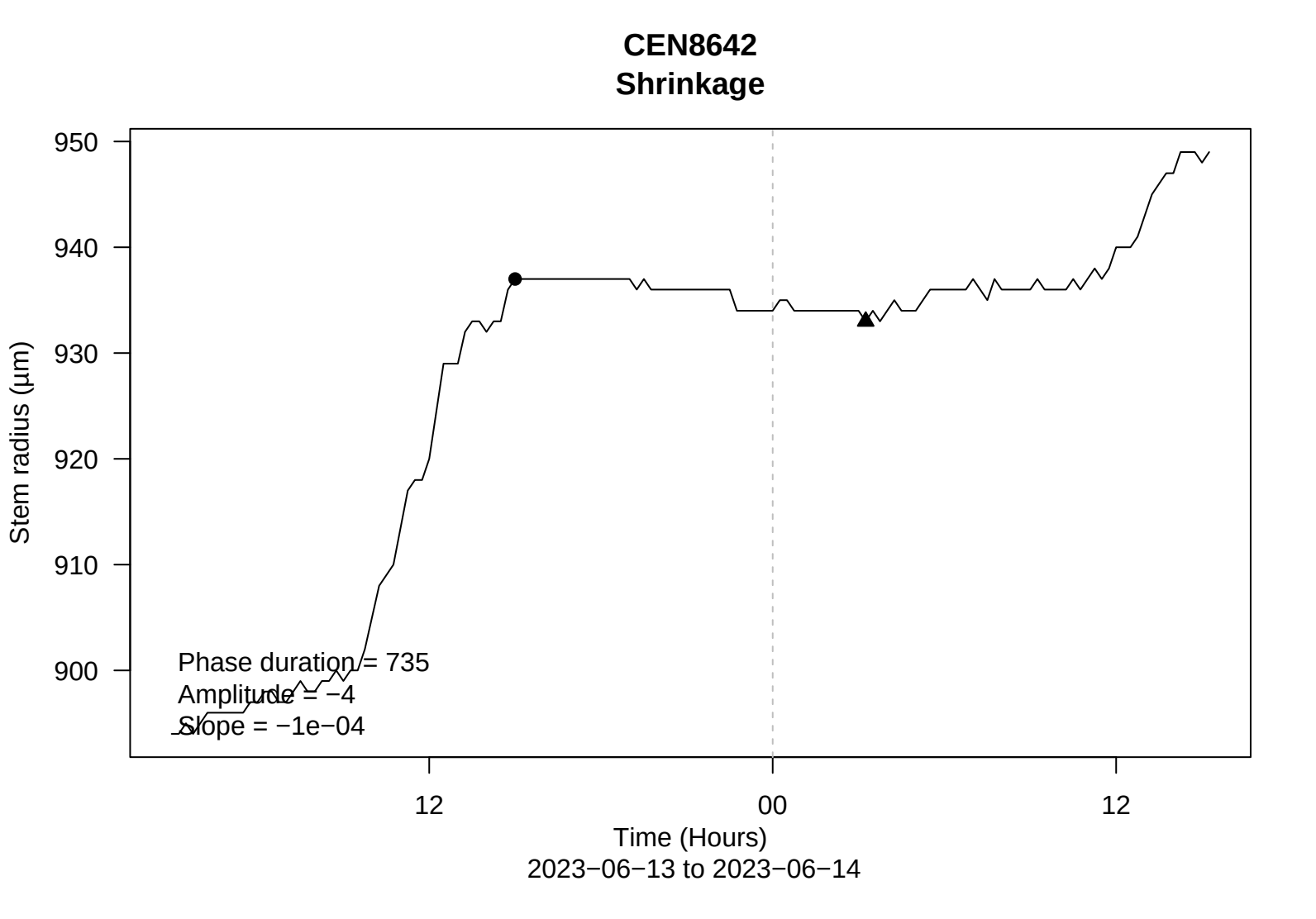

CEN8642
Expansion
865
860
855
850
845
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−06−11 to 2023−06−11
Phase duration = 870
Amplitude = 22
Slope = 3e−04

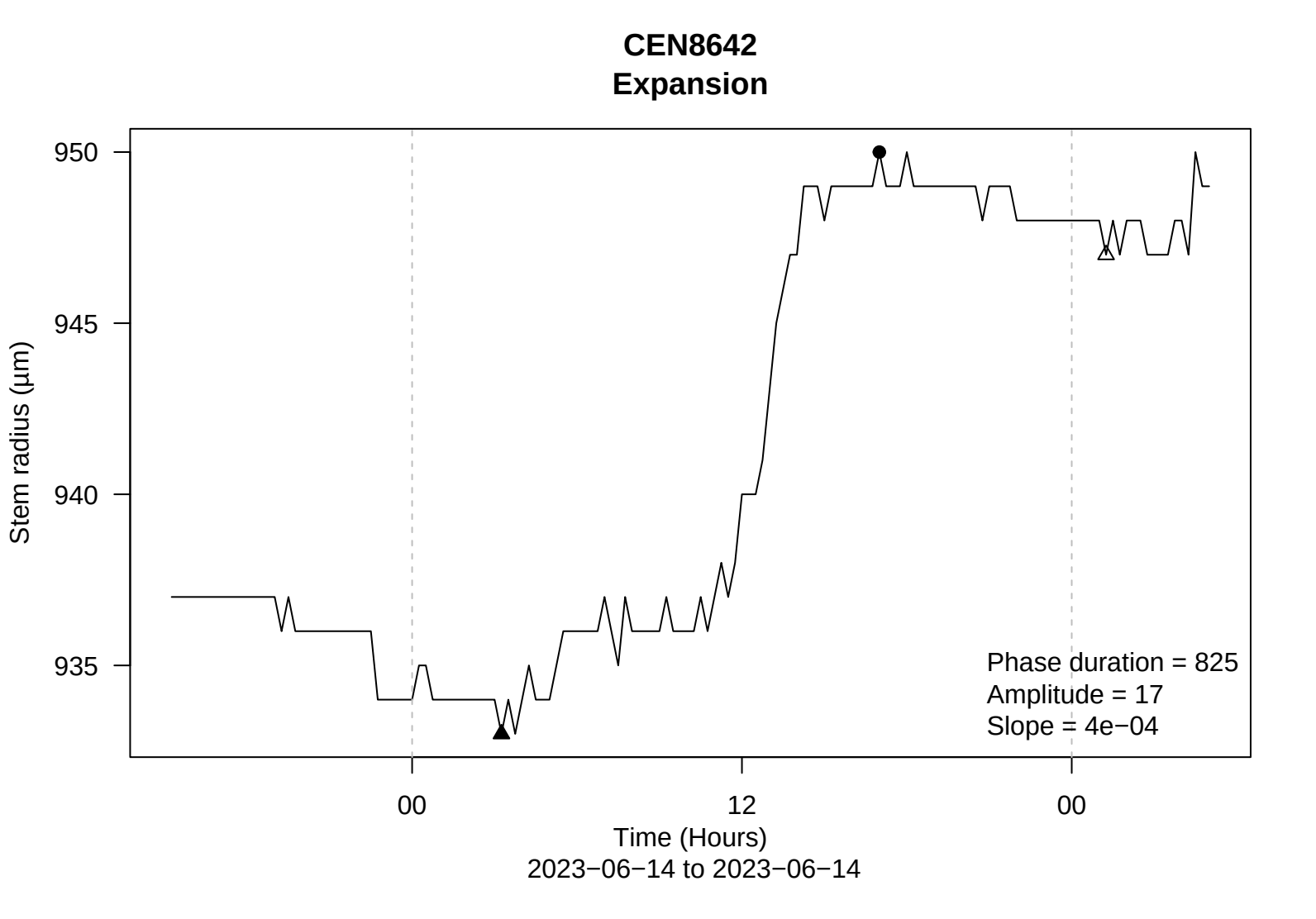

CEN8642
Shrinkage
Stem radius (µm)
880
870
860
850
Phase duration = 570
Amplitude = −9
Slope = −2e−04
12
00
12
Time (Hours)
2023−06−11 to 2023−06−12

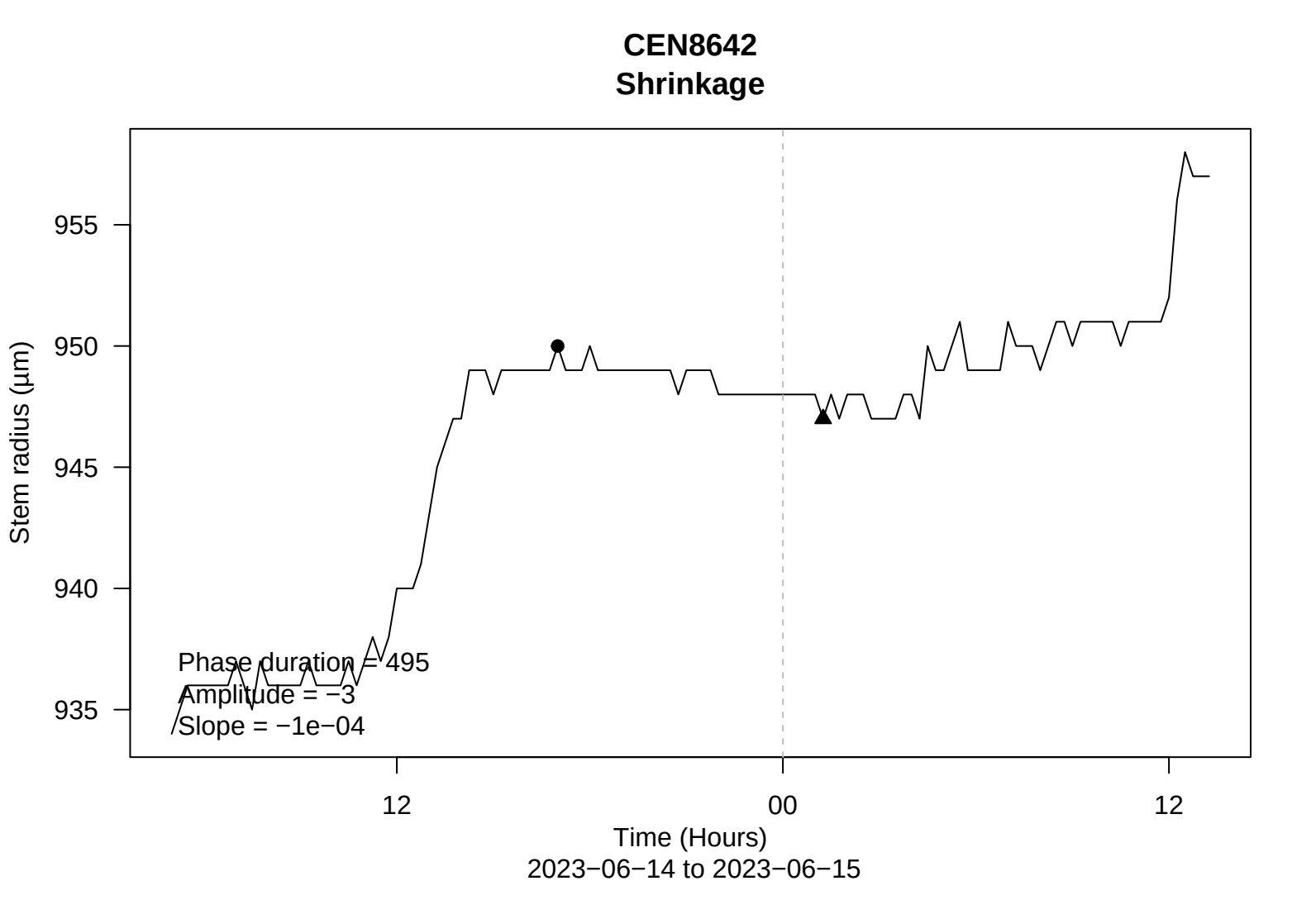

CEN8642
Expansion
900
890
880
870
860
Stem radius (µm)
Phase duration = 930
Amplitude = 44
Slope = 8e−04
12
00
12
00
Time (Hours)
2023−06−12 to 2023−06−12

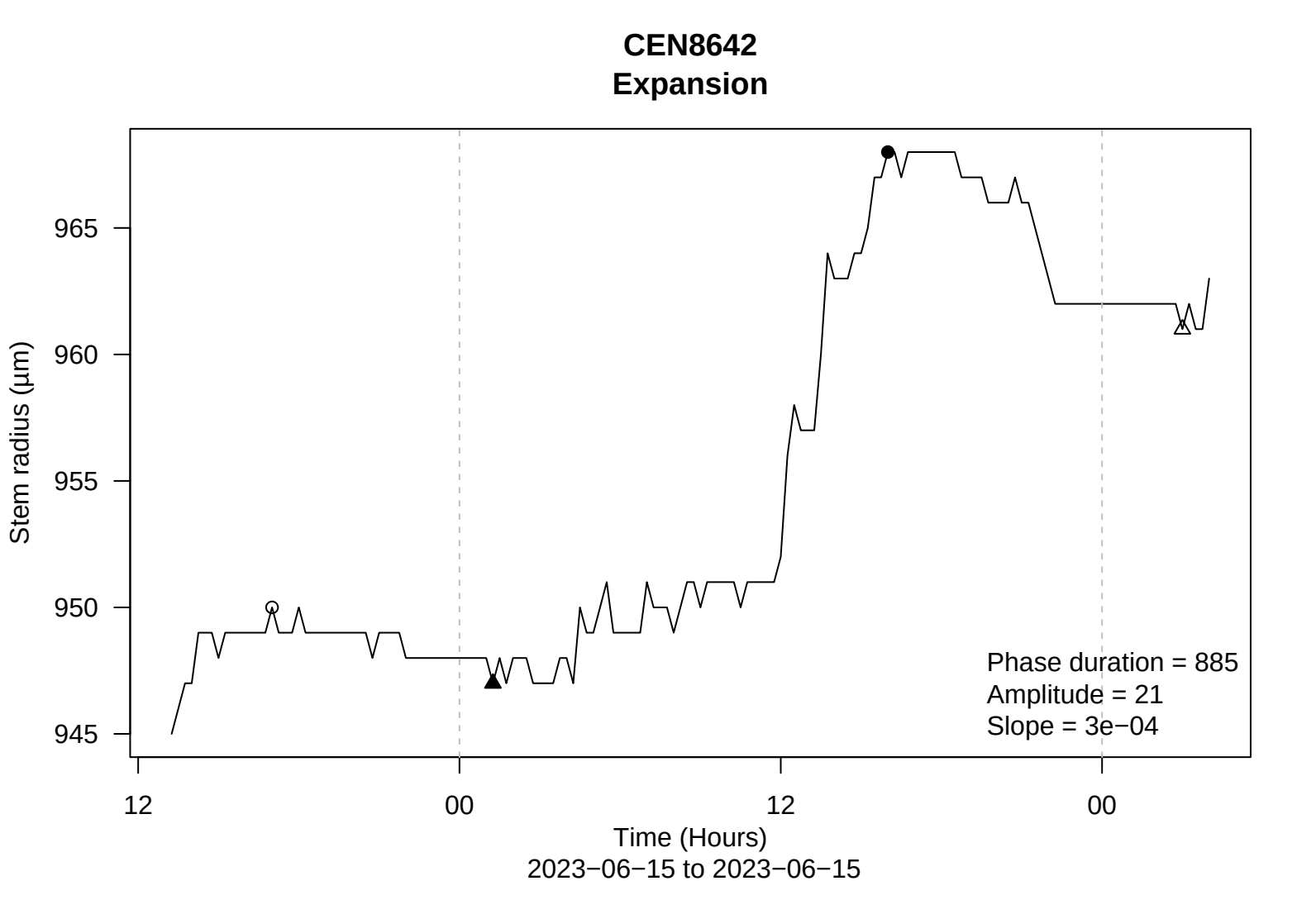

CEN8642
Shrinkage
920
910
900
890
880
870
860
Stem radius (µm)
Phase duration = 495
Amplitude = −9
Slope = −3e−04
12
00
12
Time (Hours)
2023−06−12 to 2023−06−12

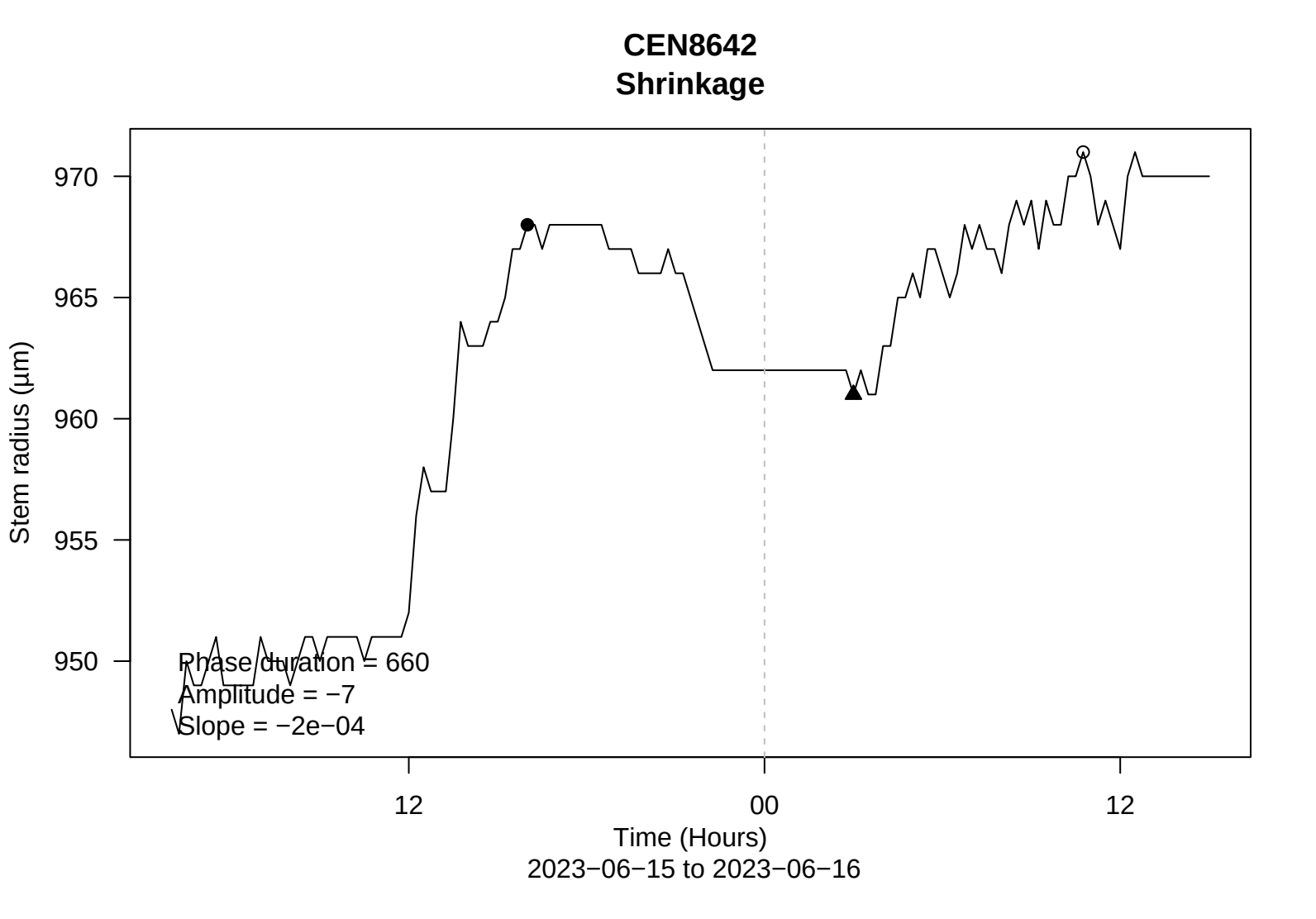

CEN8642
Expansion
Stem radius (µm)
930
920
910
900
890
880
12
00
12
00
Time (Hours)
2023−06−12 to 2023−06−13
Phase duration = 915
Amplitude = 45
Slope = 8e−04

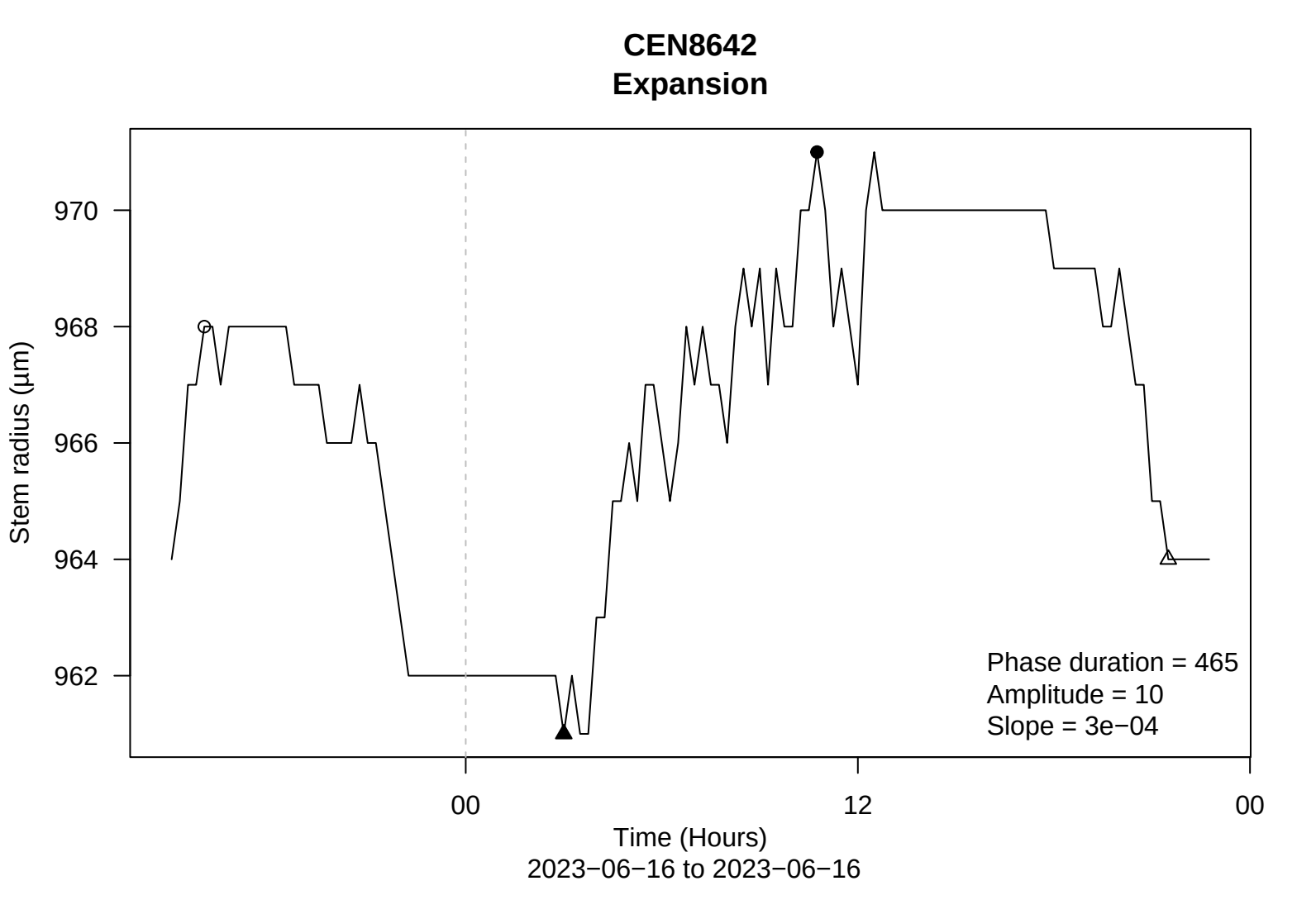

CEN8642
Shrinkage
950
940
930
920
910
900
Stem radius (µm)
Phase duration = 735
Amplitude = −4
Slope = −1e−04
12
00
12
Time (Hours)
2023−06−13 to 2023−06−14

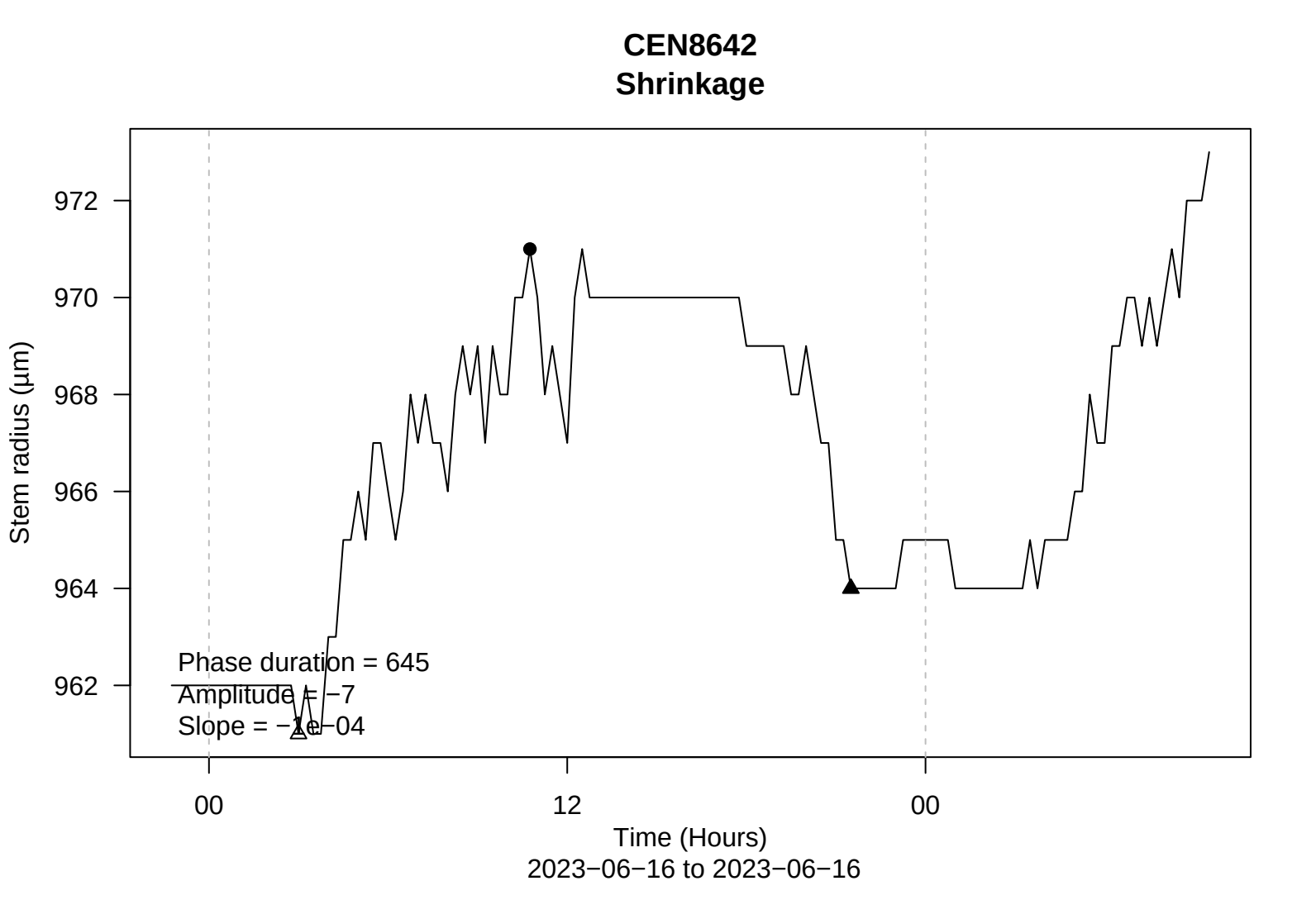

CEN8642
Expansion
950
945
940
935
Stem radius (µm)
Phase duration = 825
Amplitude = 17
Slope = 4e−04
00
12
00
Time (Hours)
2023−06−14 to 2023−06−14

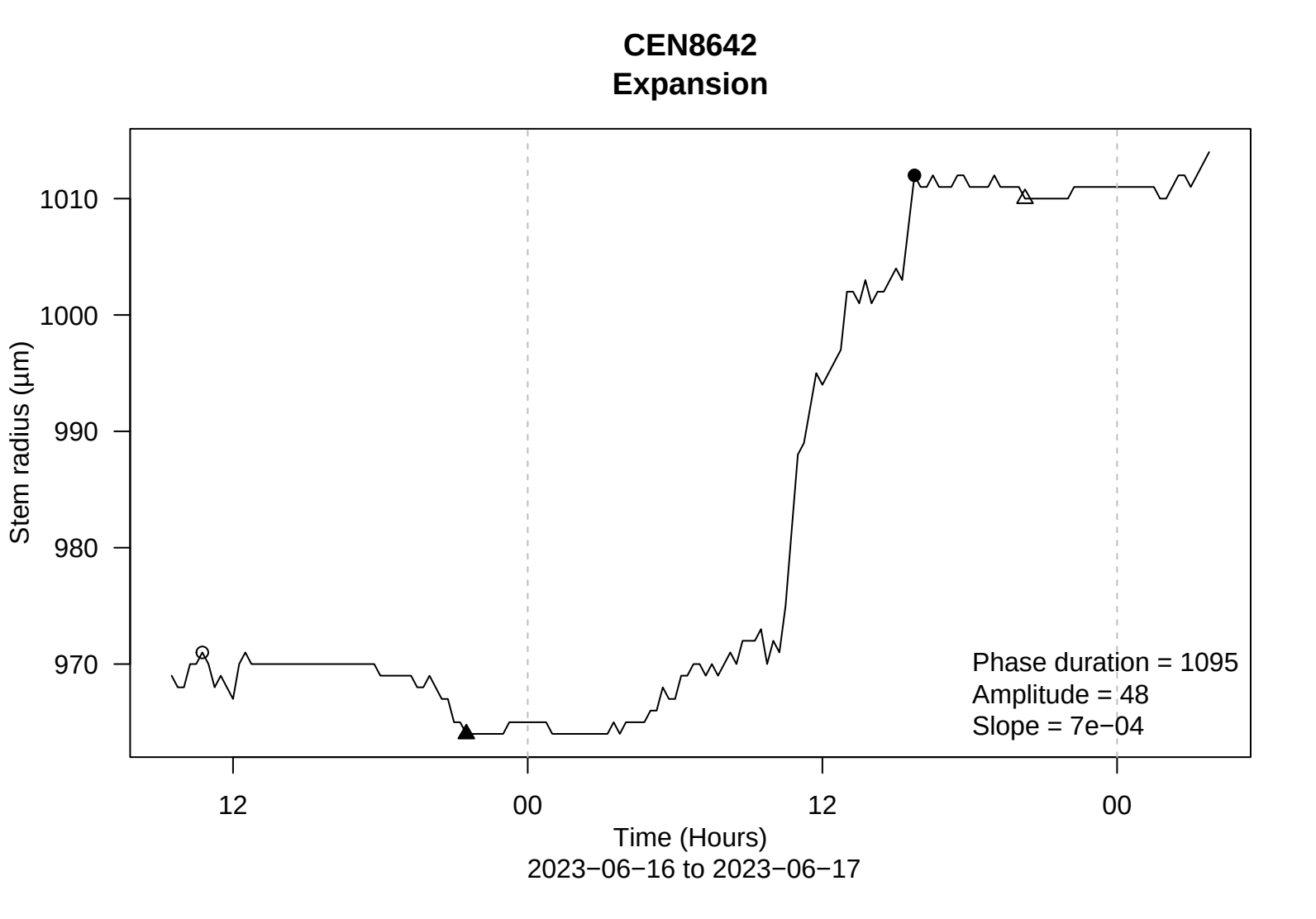

CEN8642
Shrinkage
955
950
945
940
935
Stem radius (µm)
Phase duration = 495
Amplitude = −3
Slope = −1e−04
12
00
12
Time (Hours)
2023−06−14 to 2023−06−15

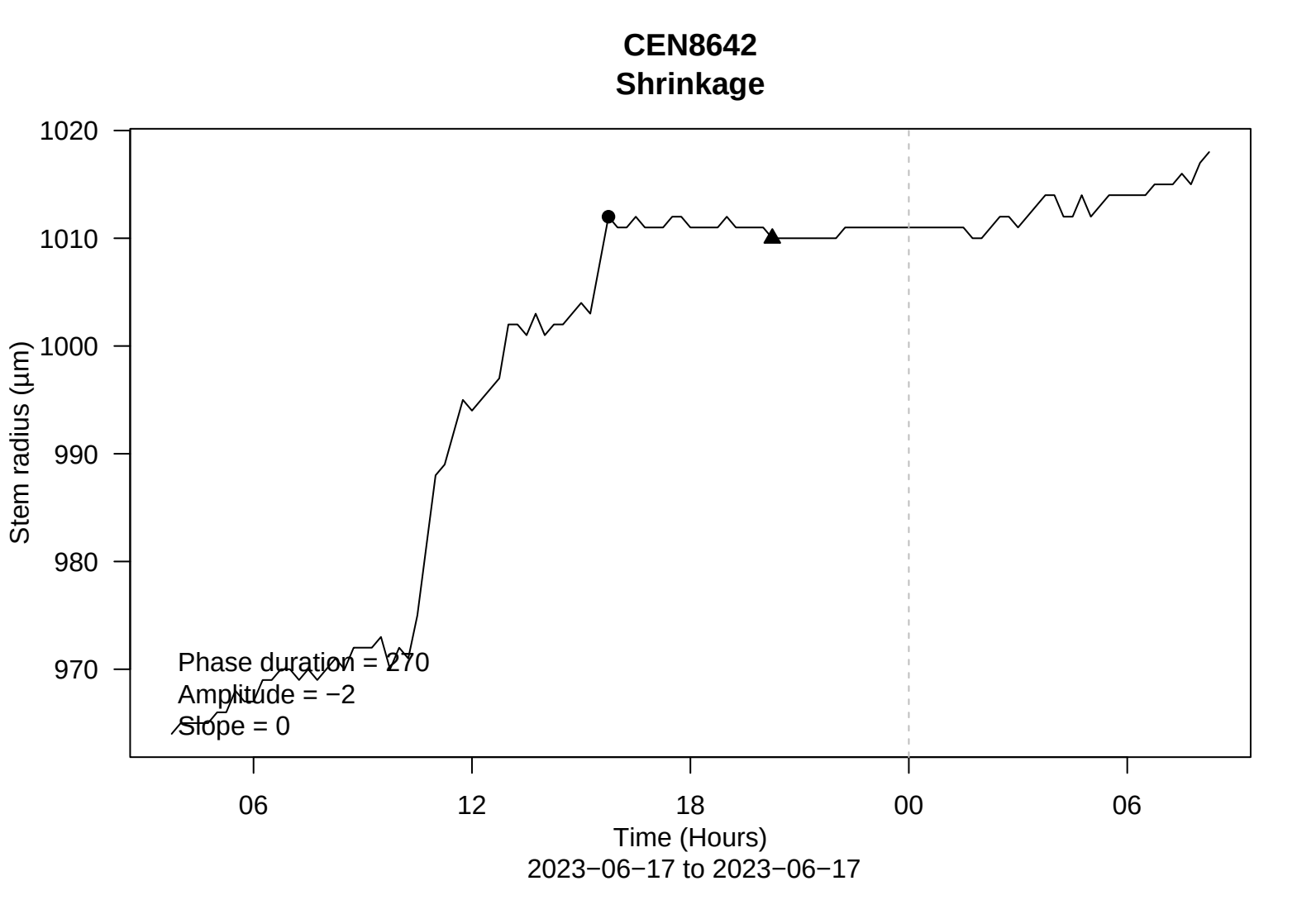

CEN8642
Expansion
Stem radius (µm)
965
960
955
950
945
12
00
12
00
Time (Hours)
2023−06−15 to 2023−06−15
Phase duration = 885
Amplitude = 21
Slope = 3e−04

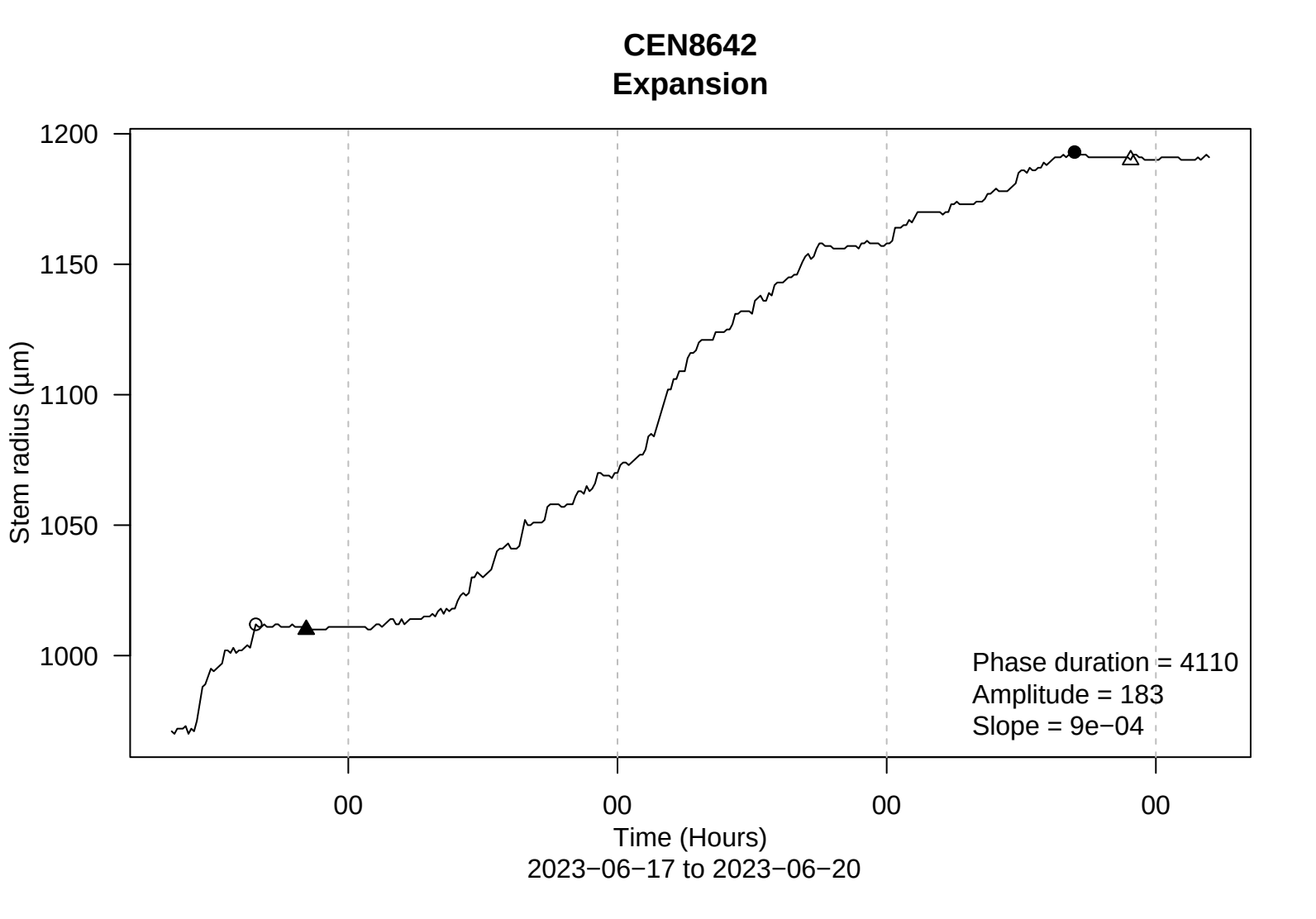

CEN8642
Shrinkage
970
965
960
955
950
Stem radius (µm)
Phase duration = 660
Amplitude = −7
Slope = −2e−04
12
00
12
Time (Hours)
2023−06−15 to 2023−06−16

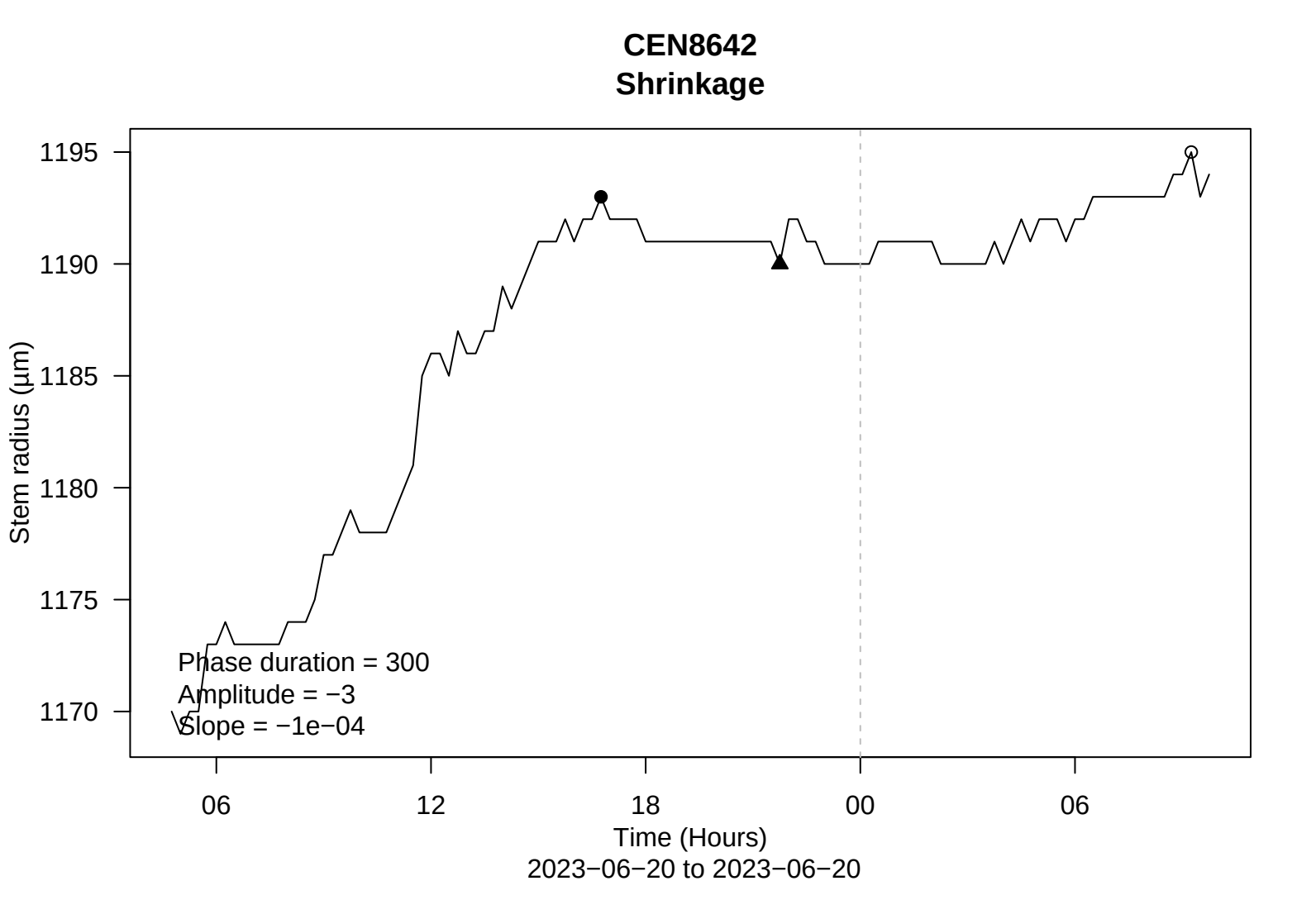

CEN8642
Expansion
970
968
966
964
962
Stem radius (µm)
Phase duration = 465
Amplitude = 10
Slope = 3e−04
00
12
00
Time (Hours)
2023−06−16 to 2023−06−16

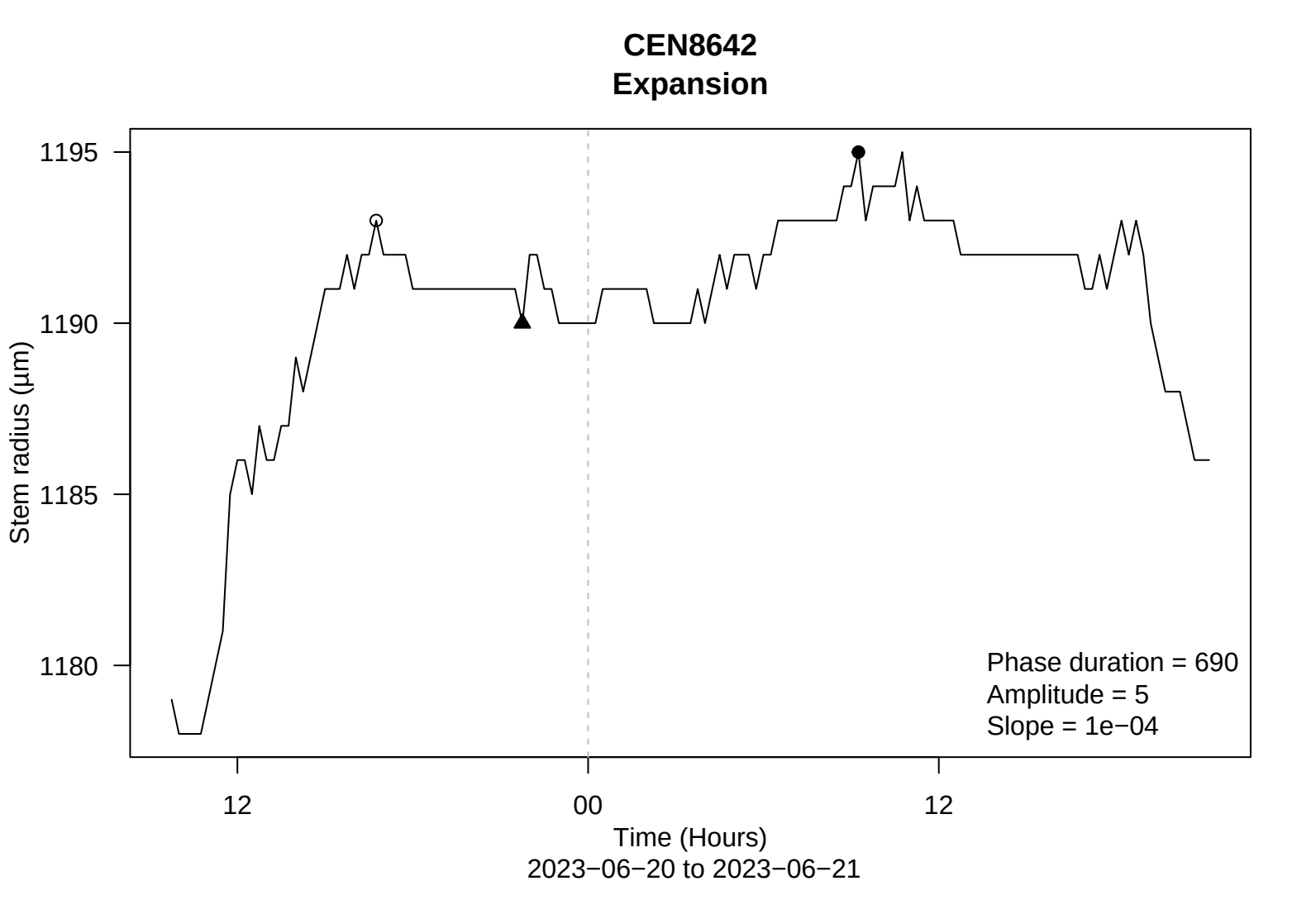

CEN8642
Shrinkage
Stem radius (µm)
972
970
968
966
964
962
Phase duration = 645
Amplitude = −7
Slope = −1e−04
00
12
00
Time (Hours)
2023−06−16 to 2023−06−16

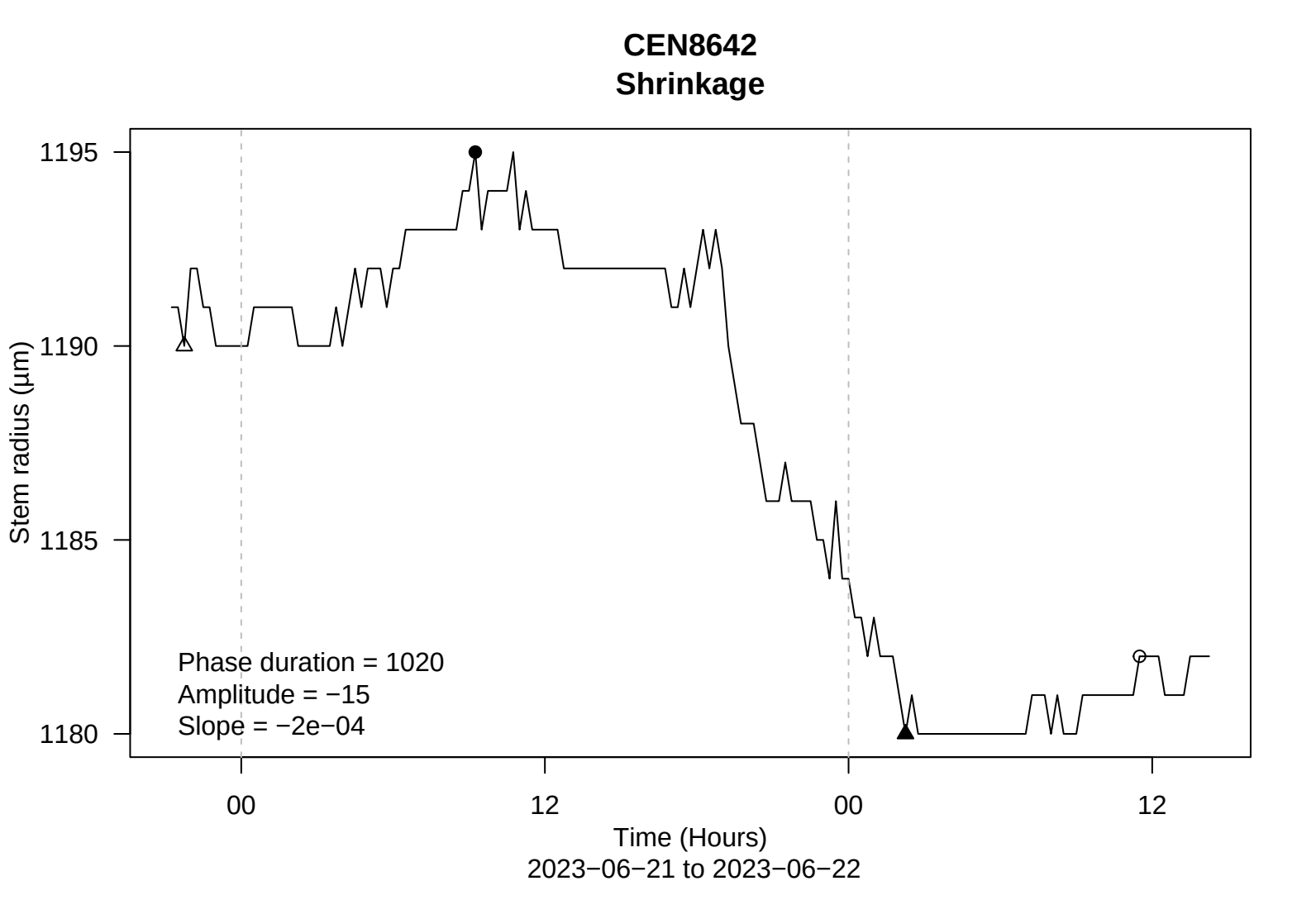

CEN8642
Expansion
1010
1000
990
980
970
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−06−16 to 2023−06−17
Phase duration = 1095
Amplitude = 48
Slope = 7e−04

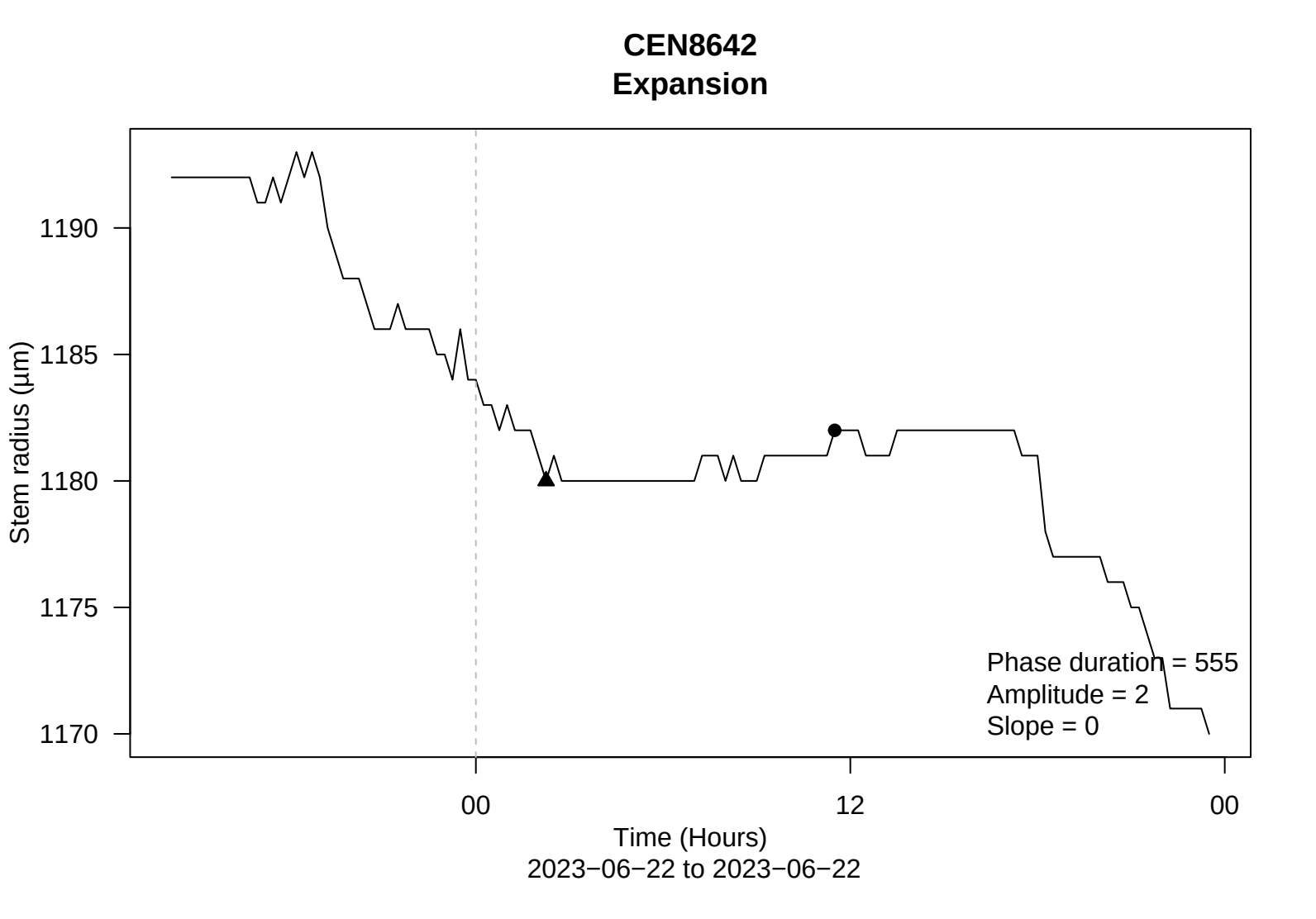

CEN8642
Shrinkage
1020
1010
1000
990
980
970
Stem radius (µm)
Phase duration = 270
Amplitude = −2
Slope = 0
06
12
18
00
06
Time (Hours)
2023−06−17 to 2023−06−17

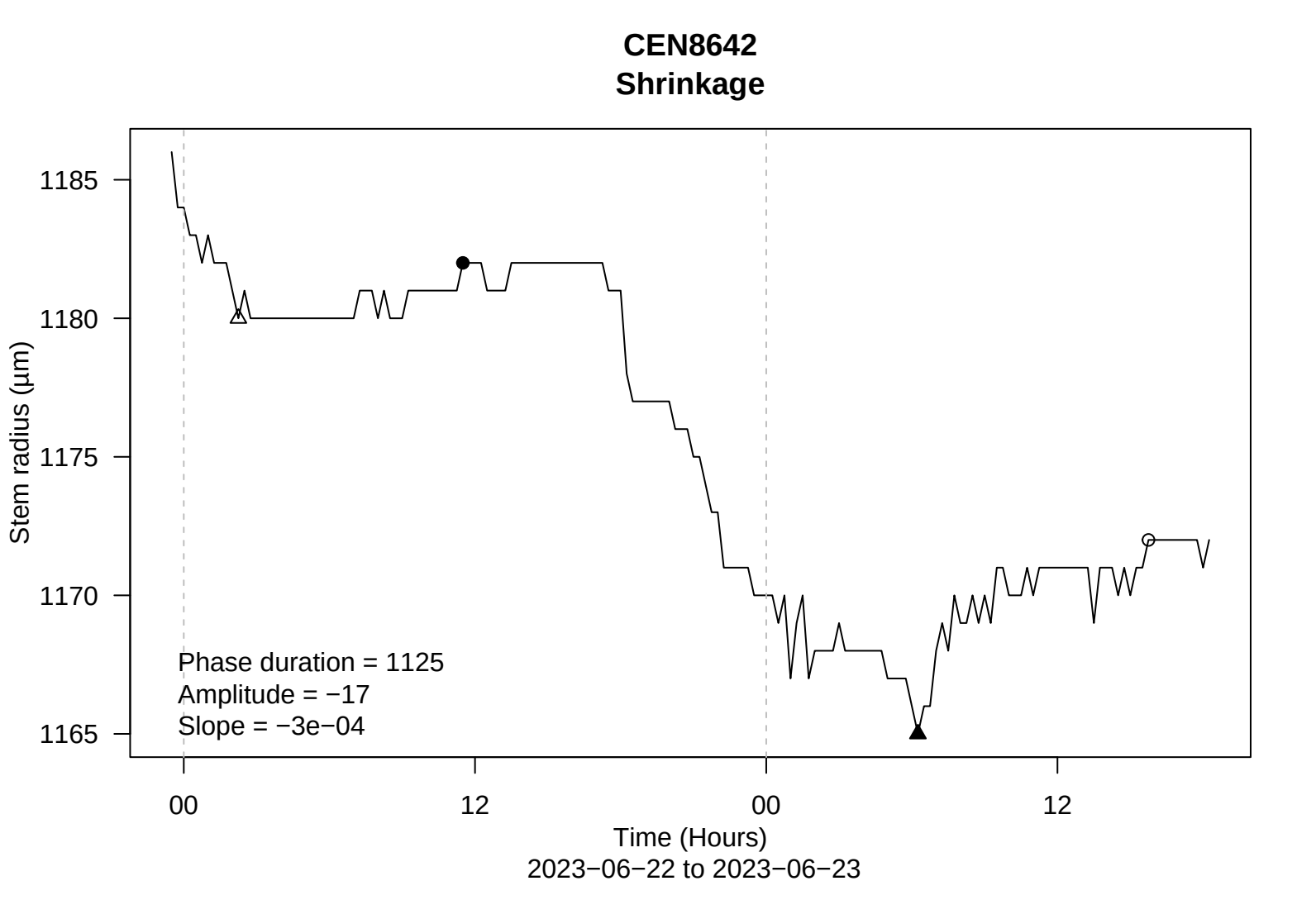

CEN8642
Expansion
1200
1150
1100
1050
1000
Stem radius (µm)
00
00
00
00
Time (Hours)
2023−06−17 to 2023−06−20
Phase duration = 4110
Amplitude = 183
Slope = 9e−04

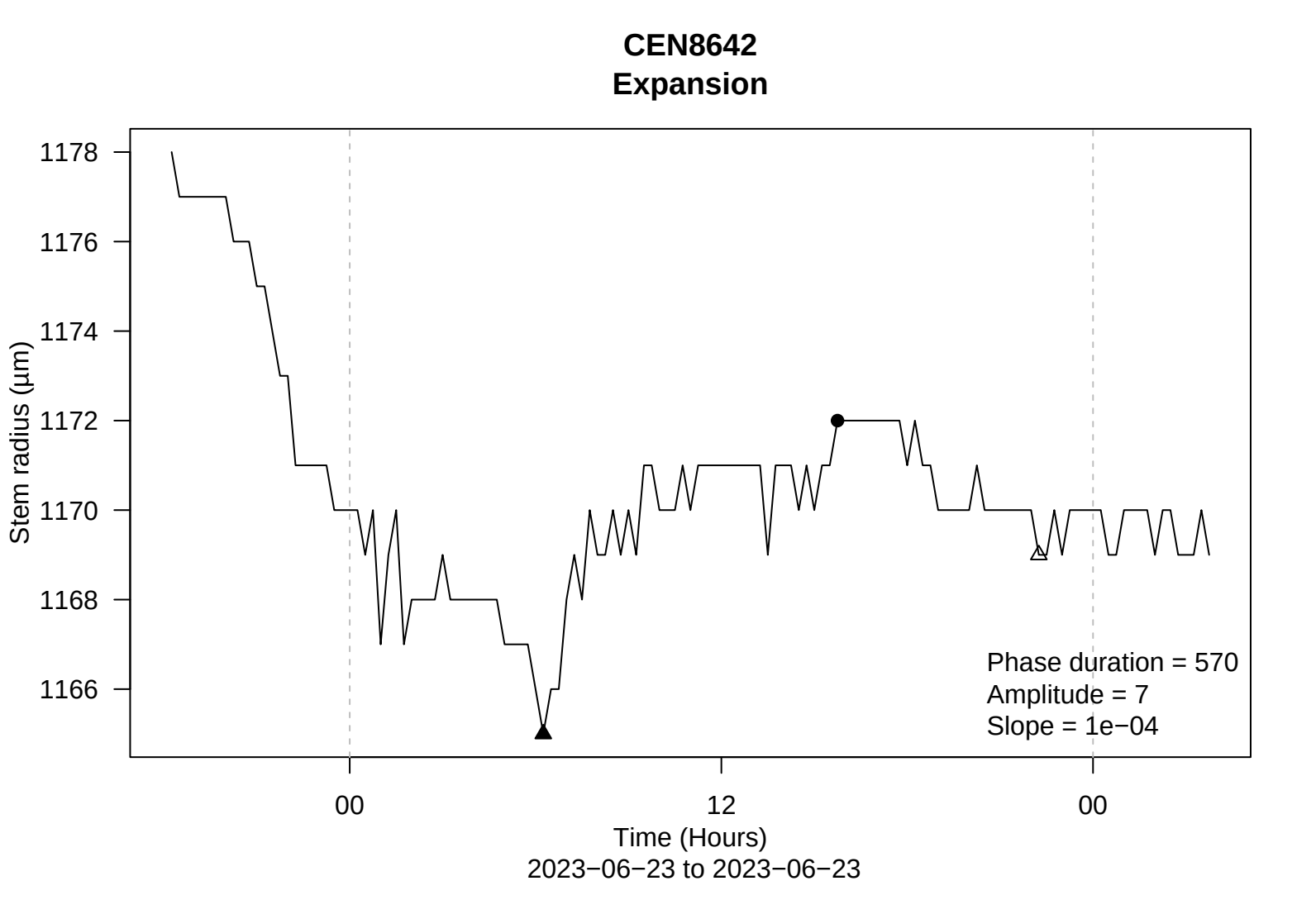

CEN8642
Shrinkage
1195
1190
1185
1180
1175
1170
Stem radius (µm)
Phase duration = 300
Amplitude = −3
Slope = −1e−04
06
12
18
00
06
Time (Hours)
2023−06−20 to 2023−06−20

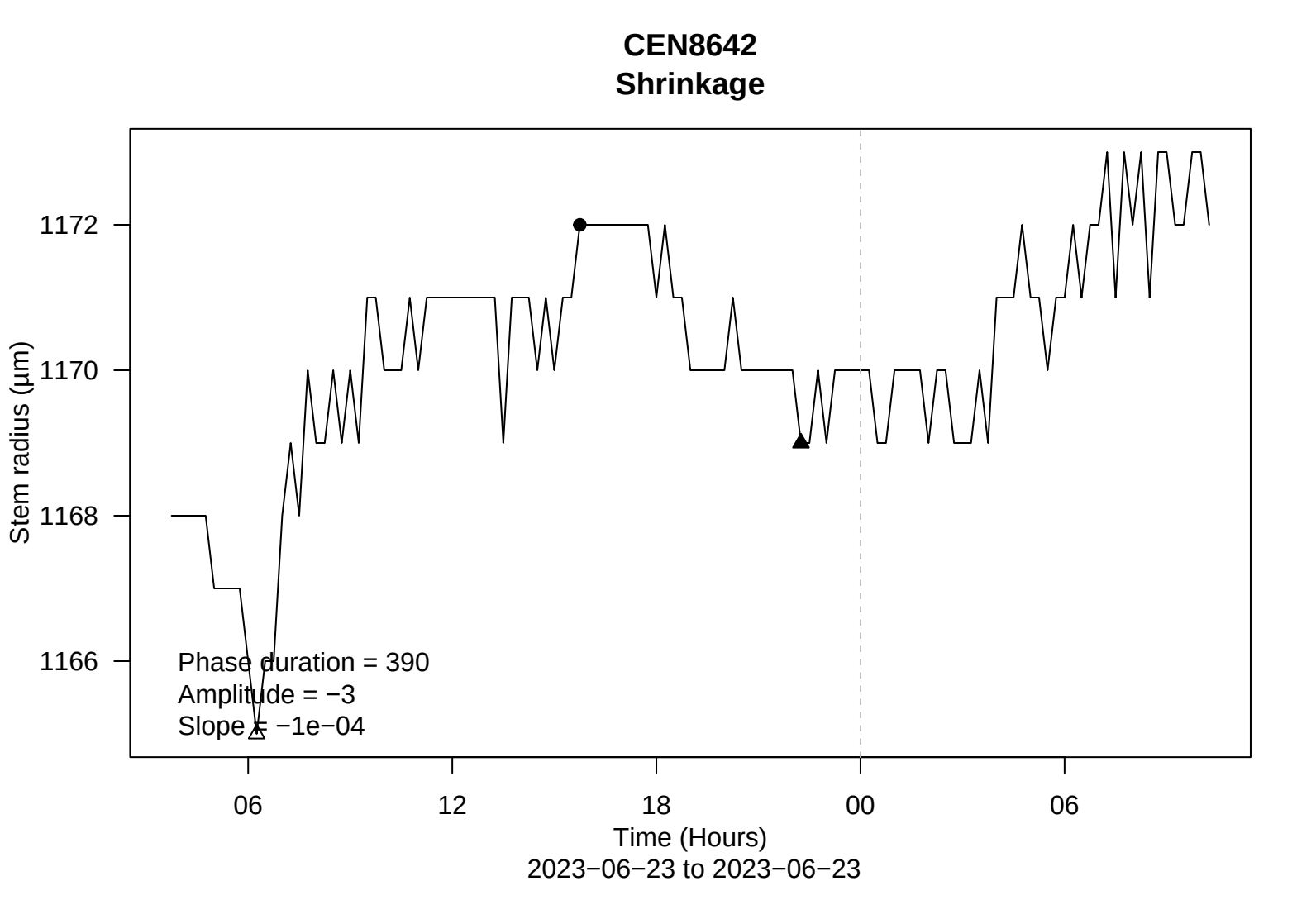

CEN8642
Expansion
1195
1190
1185
1180
Stem radius (µm)
Phase duration = 690
Amplitude = 5
Slope = 1e−04
12
00
12
Time (Hours)
2023−06−20 to 2023−06−21

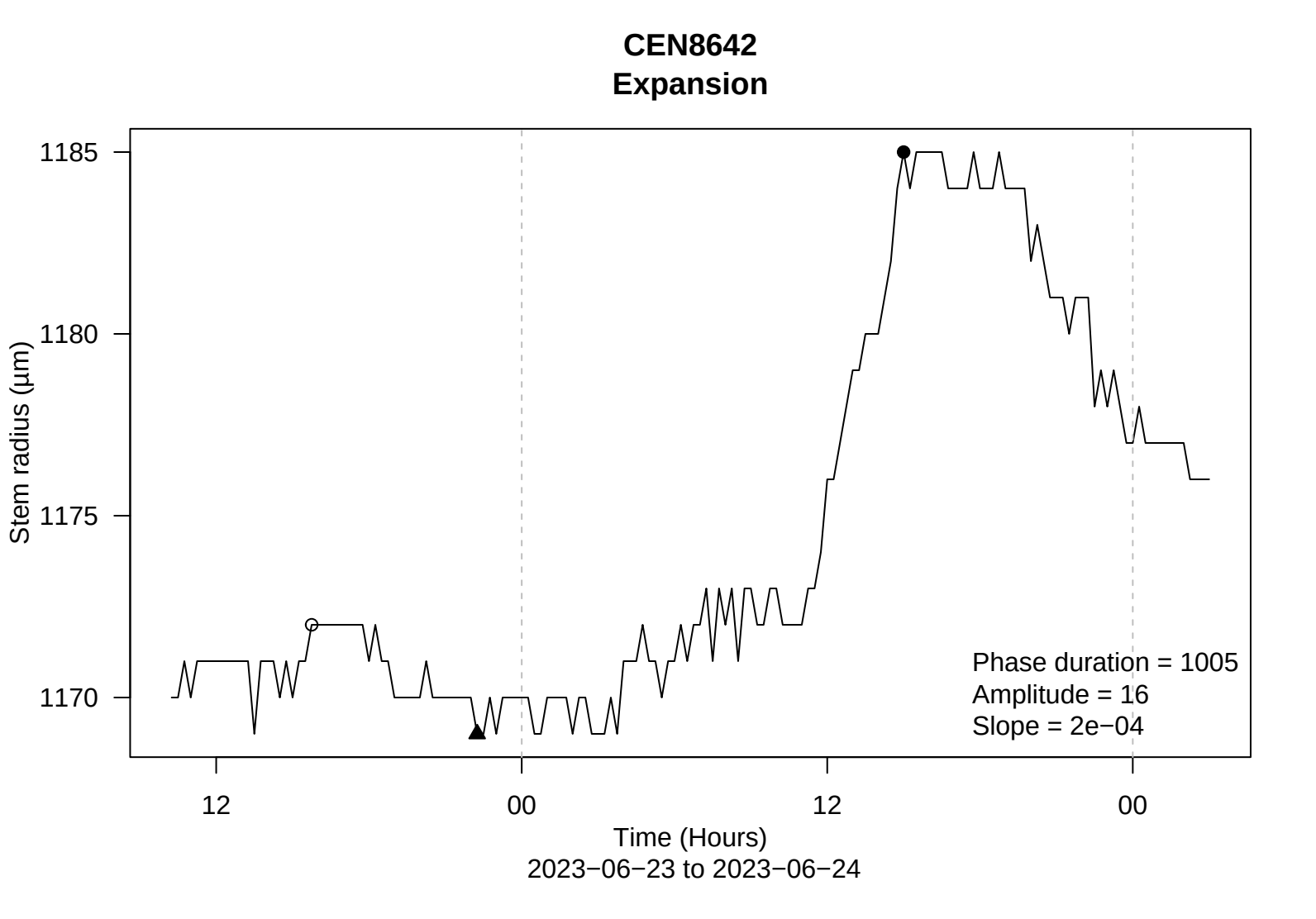

CEN8642
Shrinkage
1195
1190
1185
1180
Stem radius (µm)
Phase duration = 1020
Amplitude = −15
Slope = −2e−04
00
12
00
12
Time (Hours)
2023−06−21 to 2023−06−22

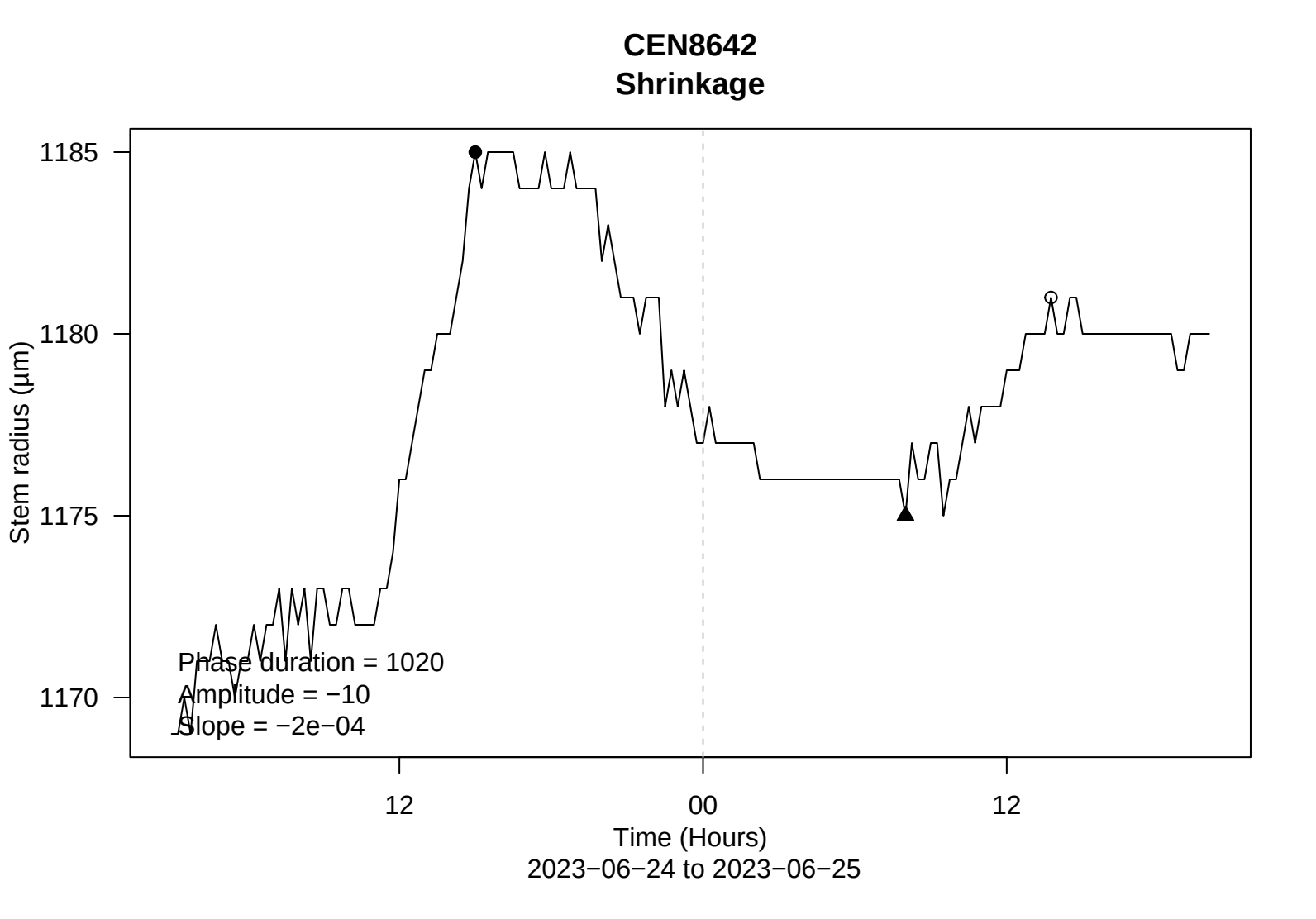

CEN8642
Expansion
1190
1185
1180
1175
1170
Stem radius (µm)
Phase duration = 555
Amplitude = 2
Slope = 0
00
12
00
Time (Hours)
2023−06−22 to 2023−06−22

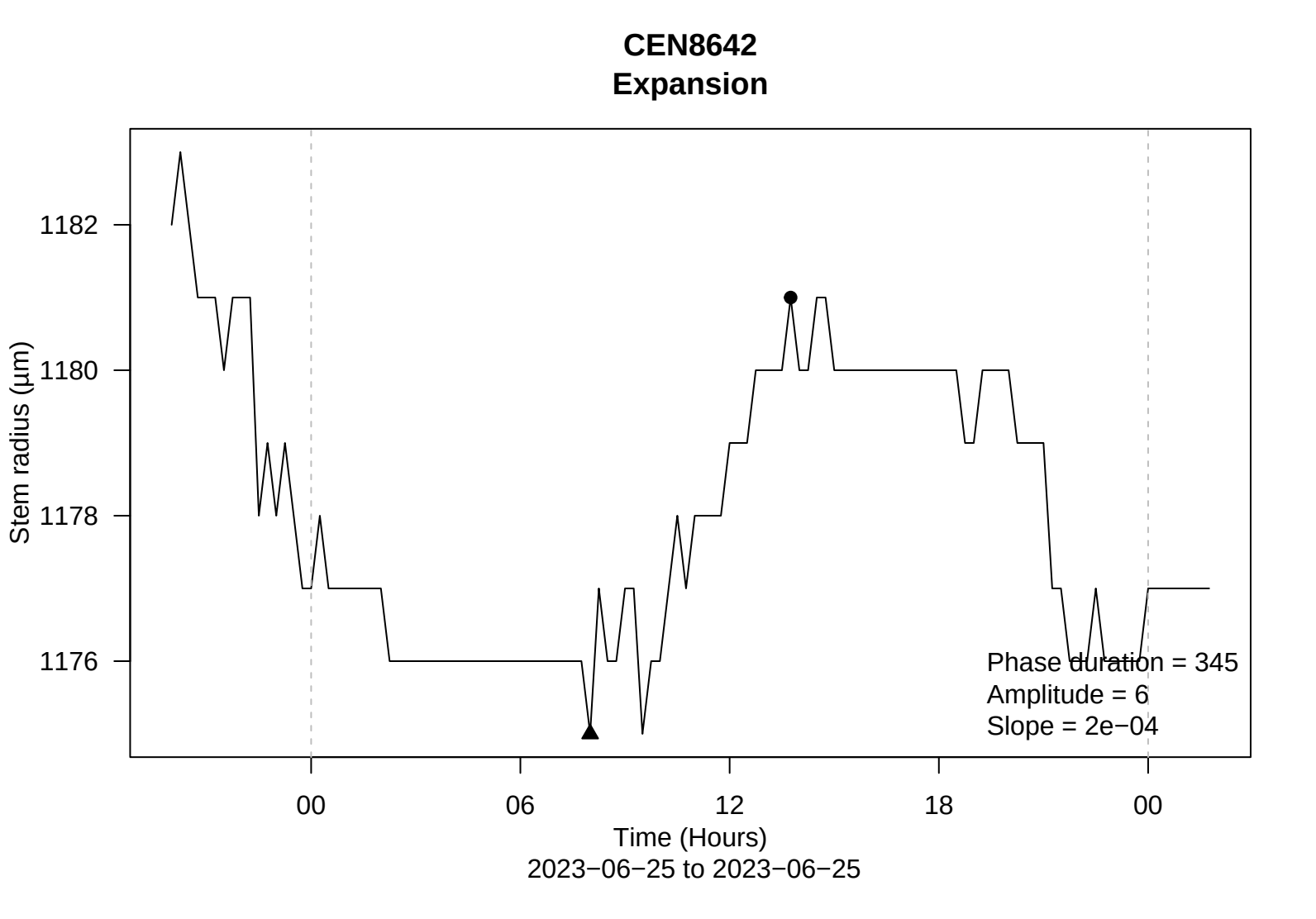

CEN8642
Shrinkage
1185
1180
1175
1170
1165
Stem radius (µm)
Phase duration = 1125
Amplitude = −17
Slope = −3e−04
00
12
00
12
Time (Hours)
2023−06−22 to 2023−06−23

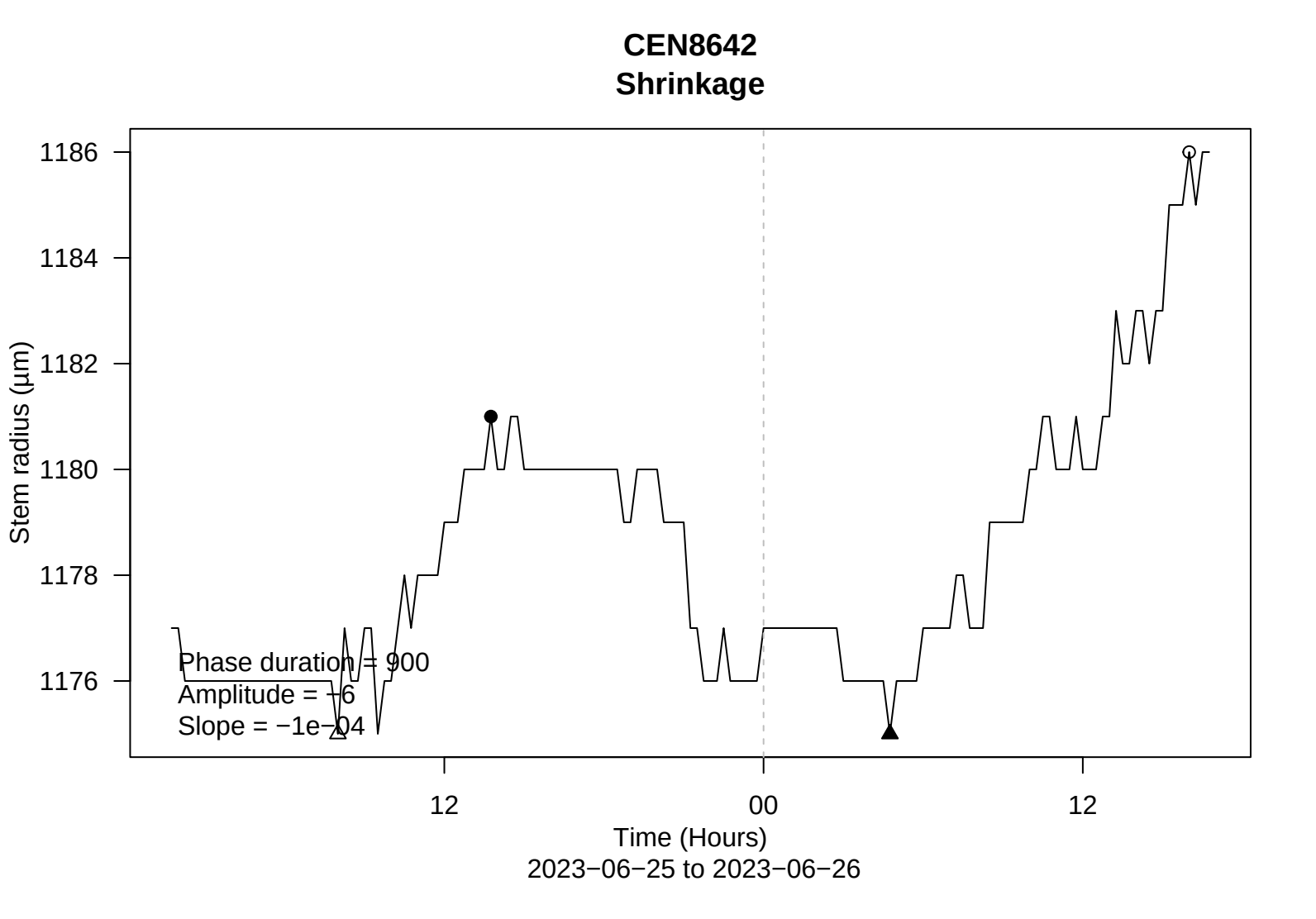

CEN8642
Expansion
1178
1176
1174
1172
1170
1168
1166
Stem radius (µm)
00
12
00
Time (Hours)
2023−06−23 to 2023−06−23
Phase duration = 570
Amplitude = 7
Slope = 1e−04

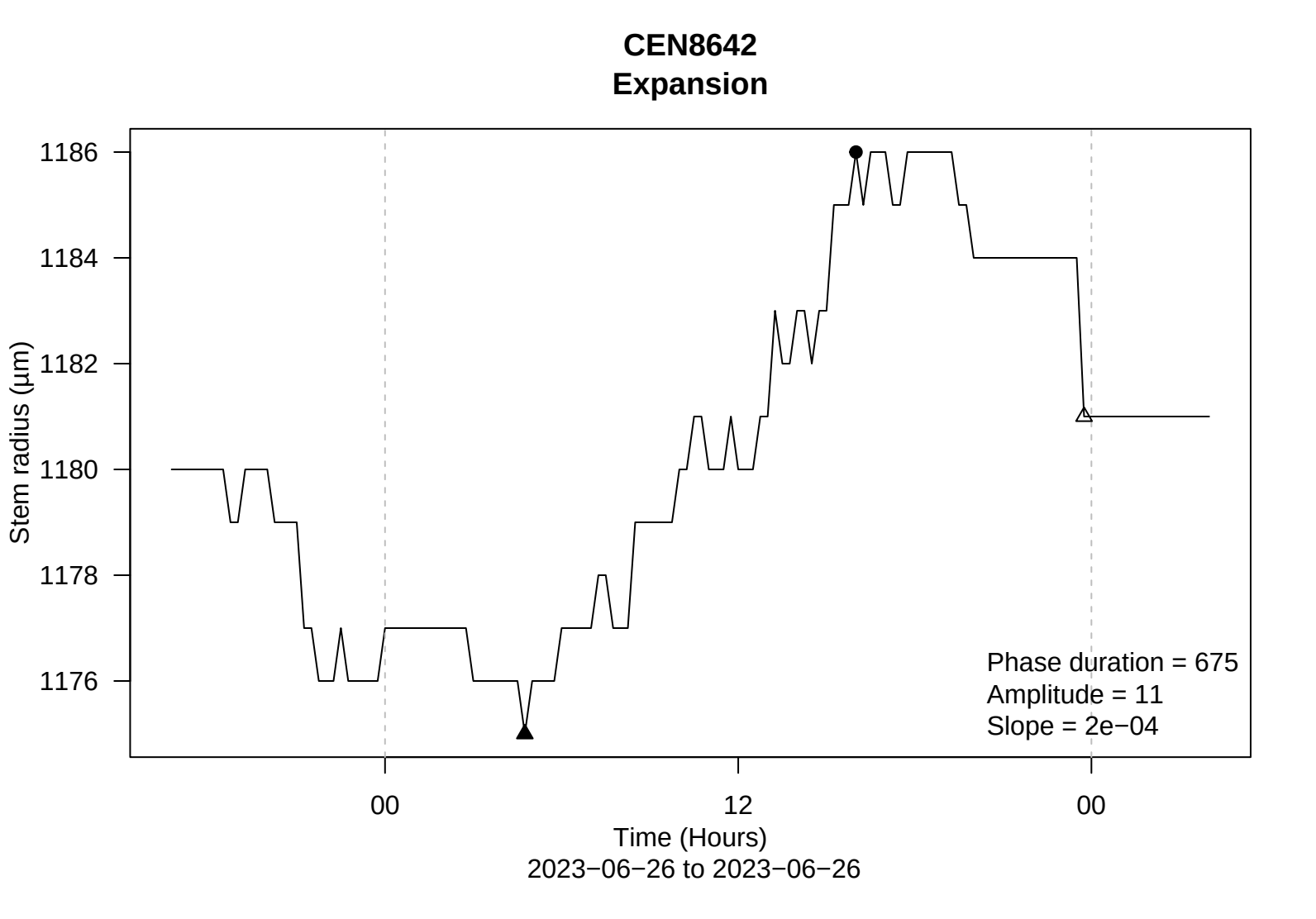

CEN8642
Shrinkage
1172
1170
1168
1166
Stem radius (µm)
Phase duration = 390
Amplitude = −3
Slope = −1e−04
06
12
18
00
06
Time (Hours)
2023−06−23 to 2023−06−23

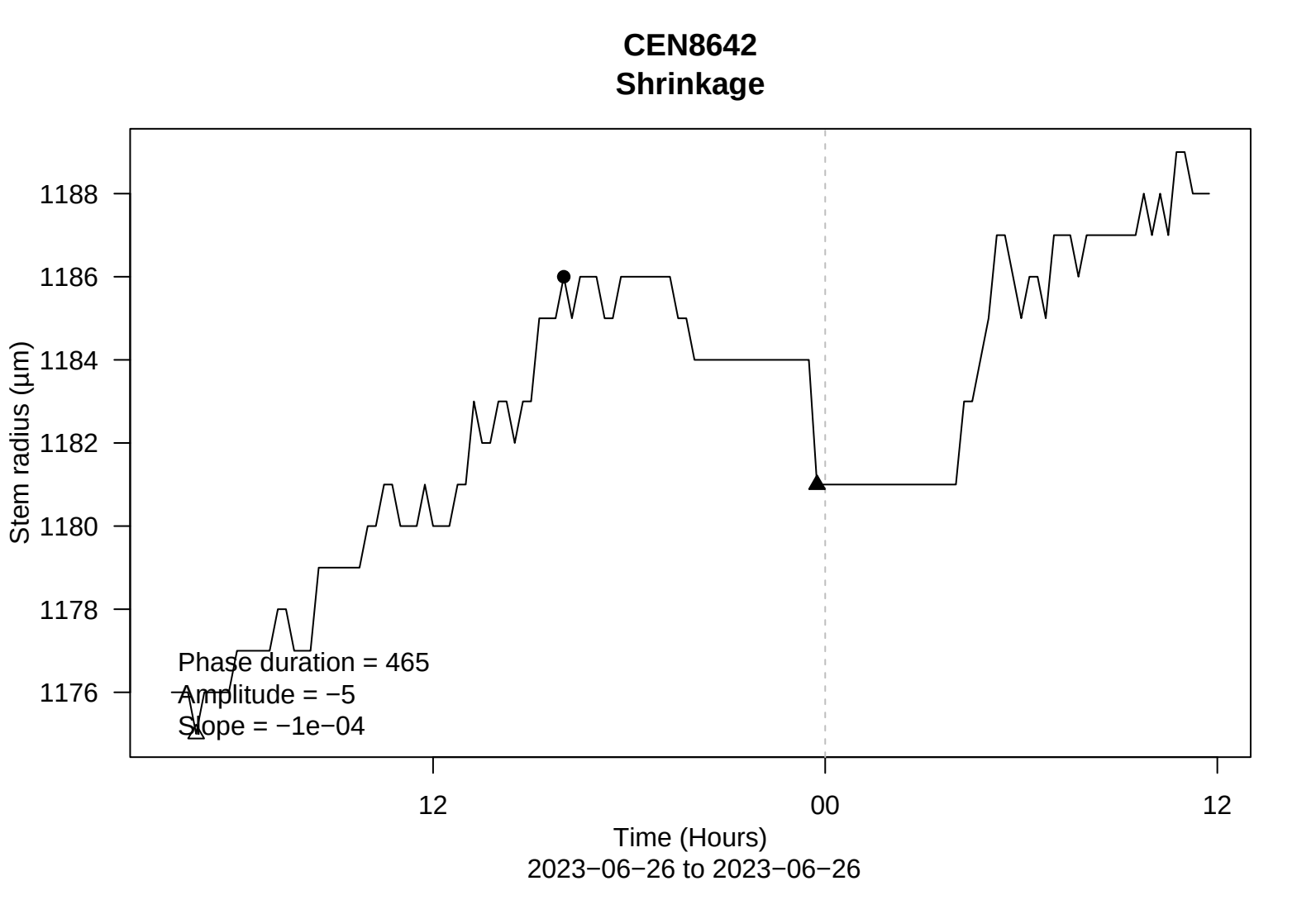

CEN8642
Expansion
1185
1180
1175
1170
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−06−23 to 2023−06−24
Phase duration = 1005
Amplitude = 16
Slope = 2e−04

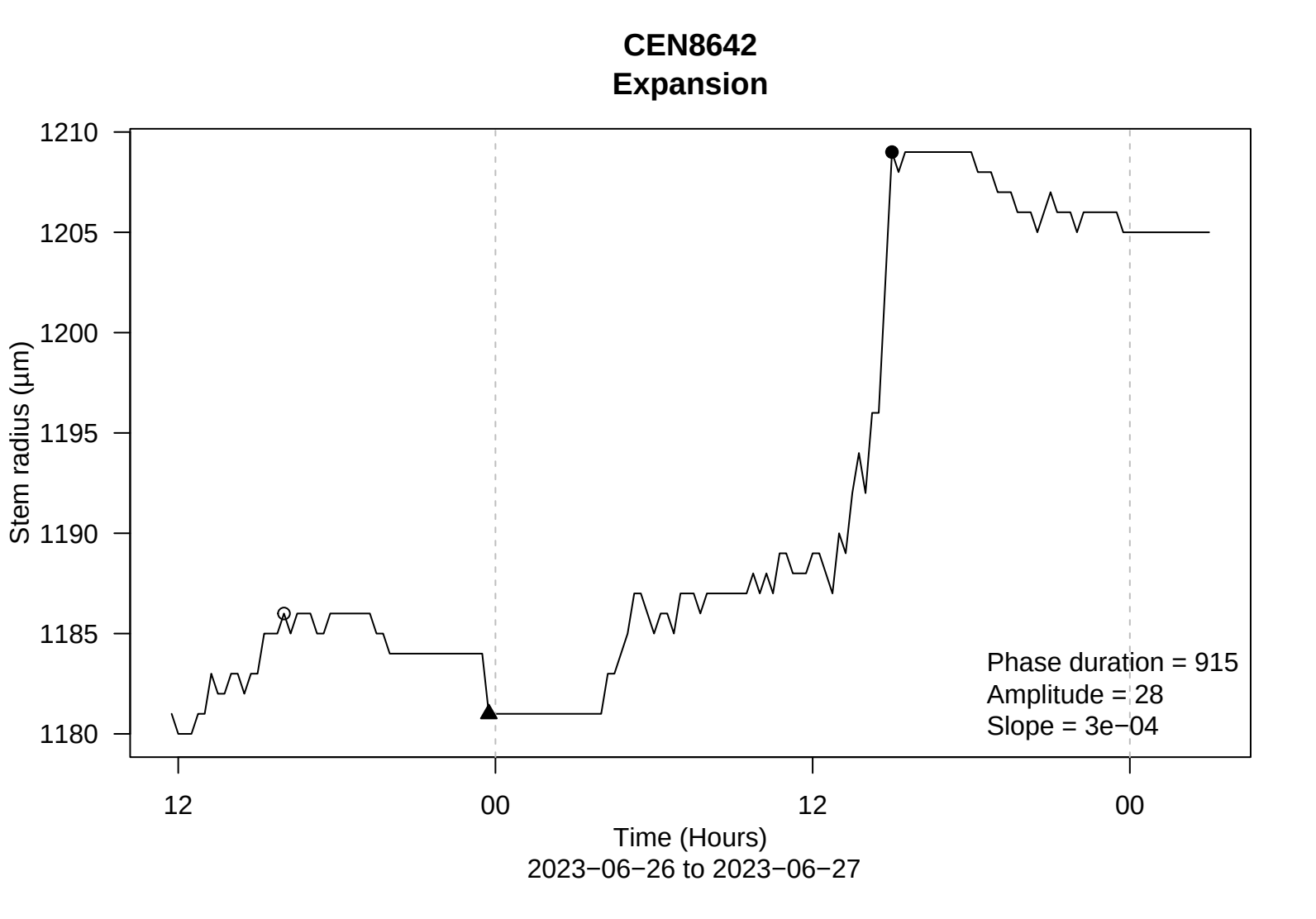

CEN8642
Shrinkage
1185
1180
1175
1170
Stem radius (µm)
Phase duration = 1020
Amplitude = −10
Slope = −2e−04
12
00
12
Time (Hours)
2023−06−24 to 2023−06−25

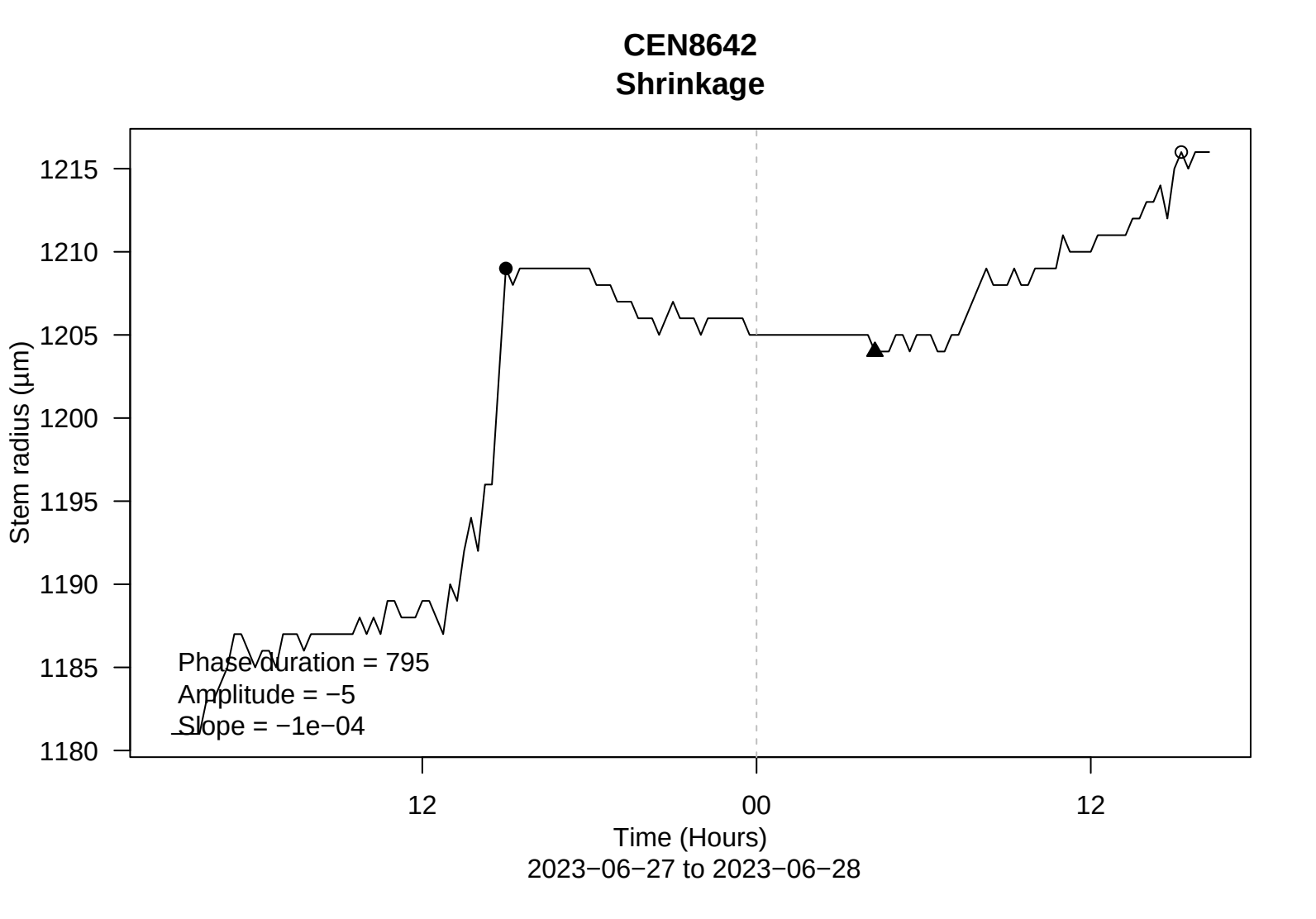

CEN8642
Expansion
1182
1180
1178
1176
Stem radius (µm)
00
06
12
18
00
Time (Hours)
2023−06−25 to 2023−06−25
Phase duration = 345
Amplitude = 6
Slope = 2e−04

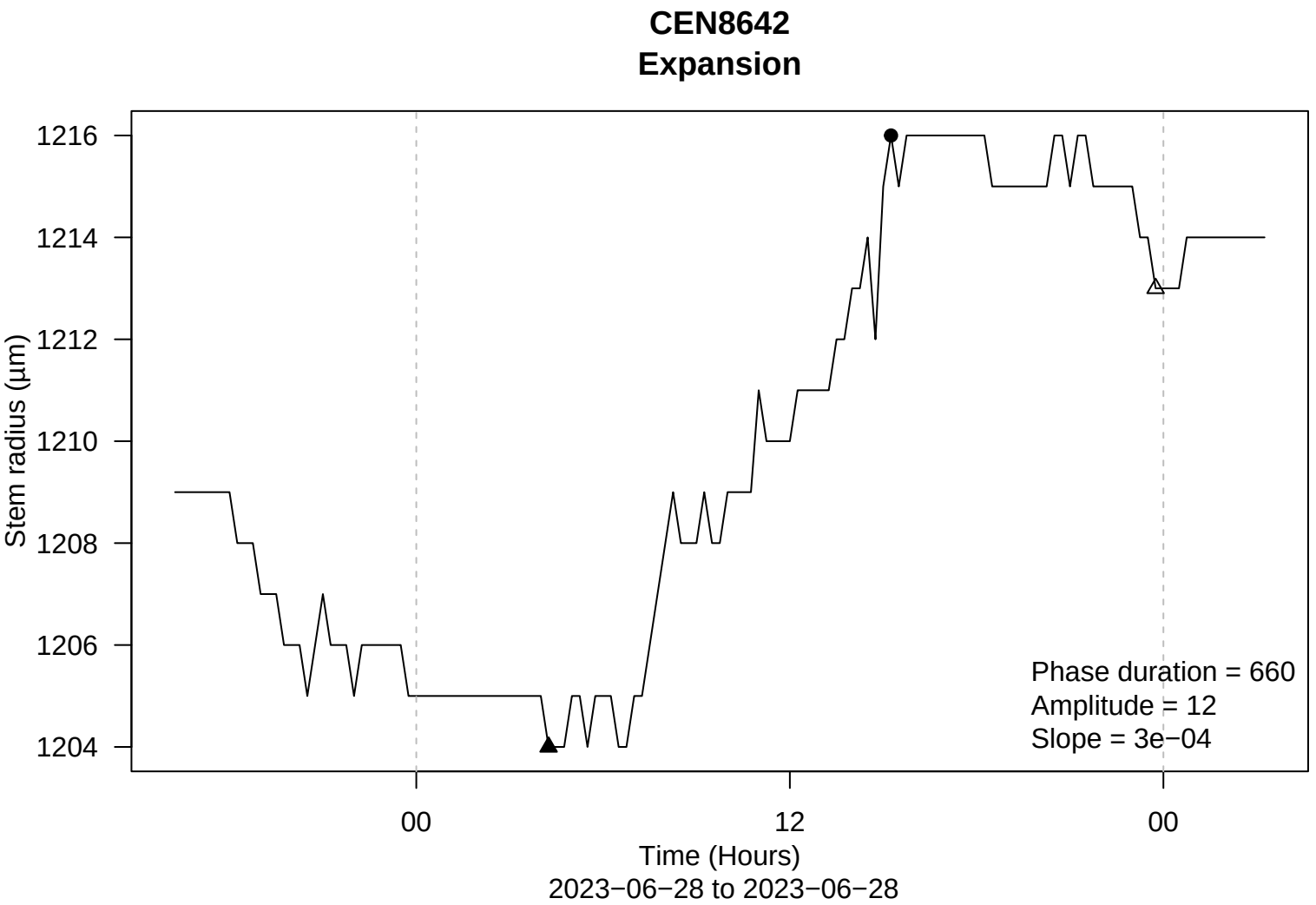

CEN8642
Shrinkage
1186
1184
1182
1180
1178
1176
Stem radius (µm)
Phase duration = 900
Amplitude = −6
Slope = −1e−04
12
00
12
Time (Hours)
2023−06−25 to 2023−06−26

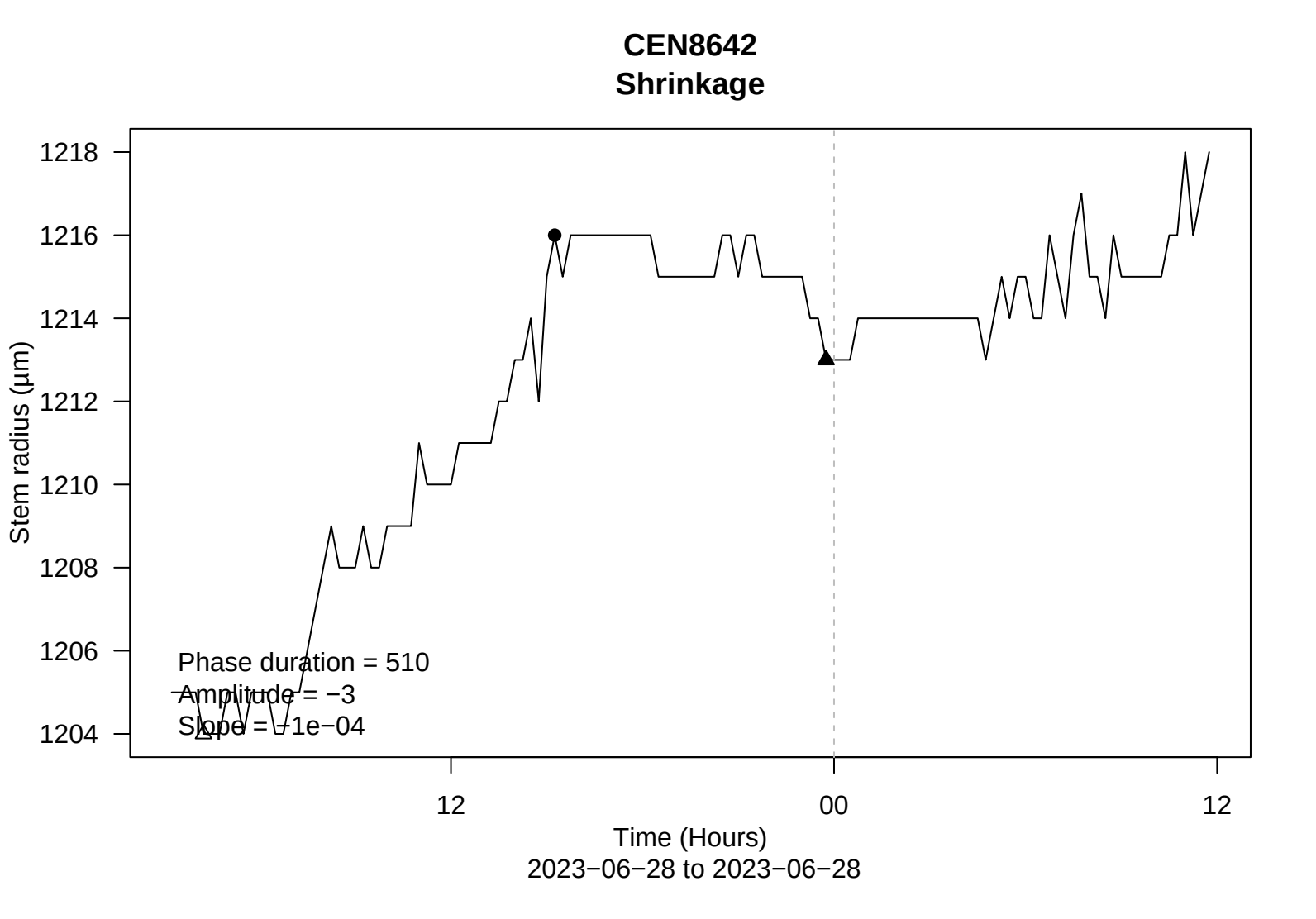

CEN8642
Expansion
1186
1184
1182
1180
1178
1176
Stem radius (µm)
Phase duration = 675
Amplitude = 11
Slope = 2e−04
00
12
00
Time (Hours)
2023−06−26 to 2023−06−26

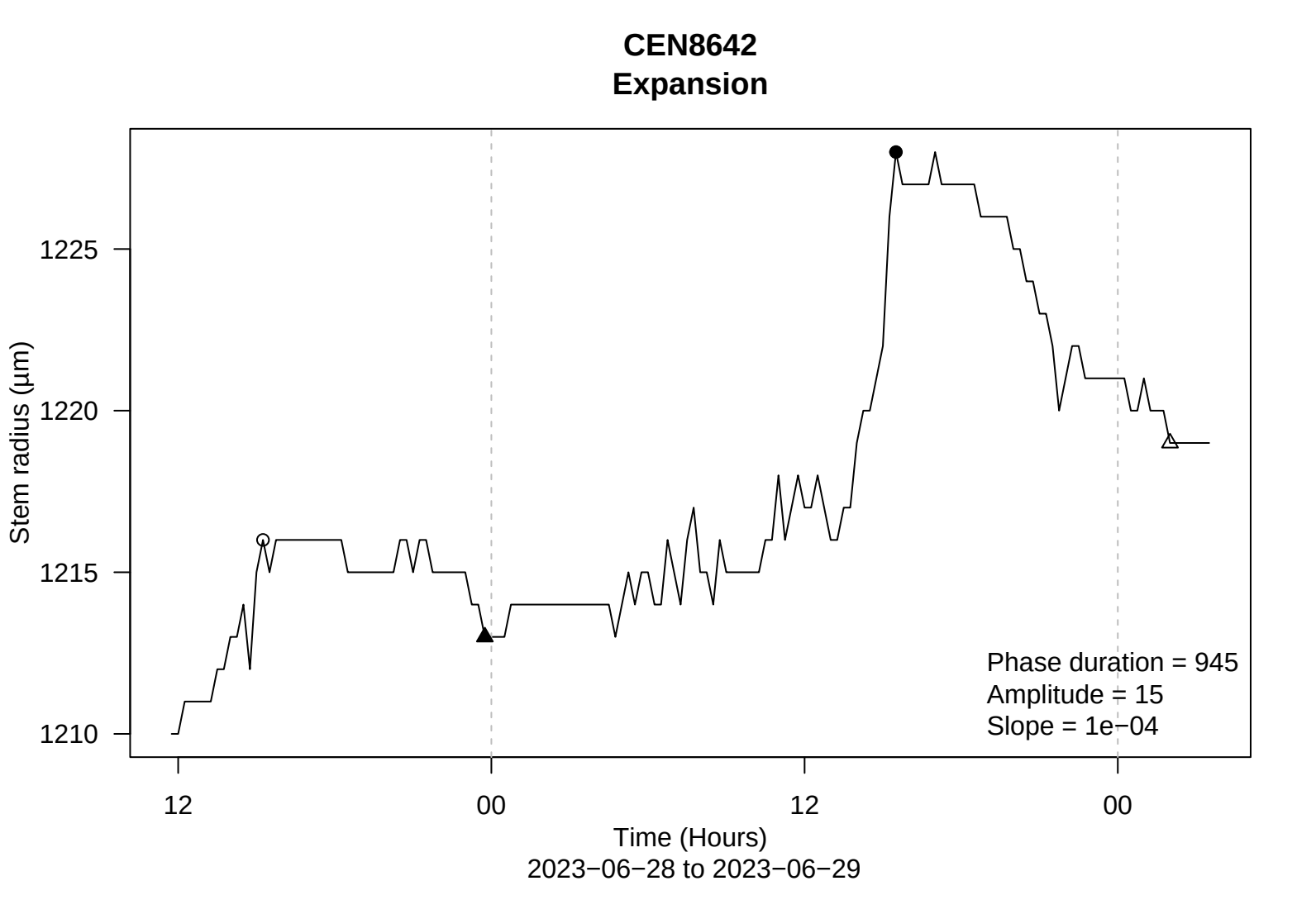

CEN8642
Shrinkage
Stem radius (µm)
1188
1186
1184
1182
1180
1178
1176
Phase duration = 465
Amplitude = −5
Slope = −1e−04
12
00
12
Time (Hours)
2023−06−26 to 2023−06−26

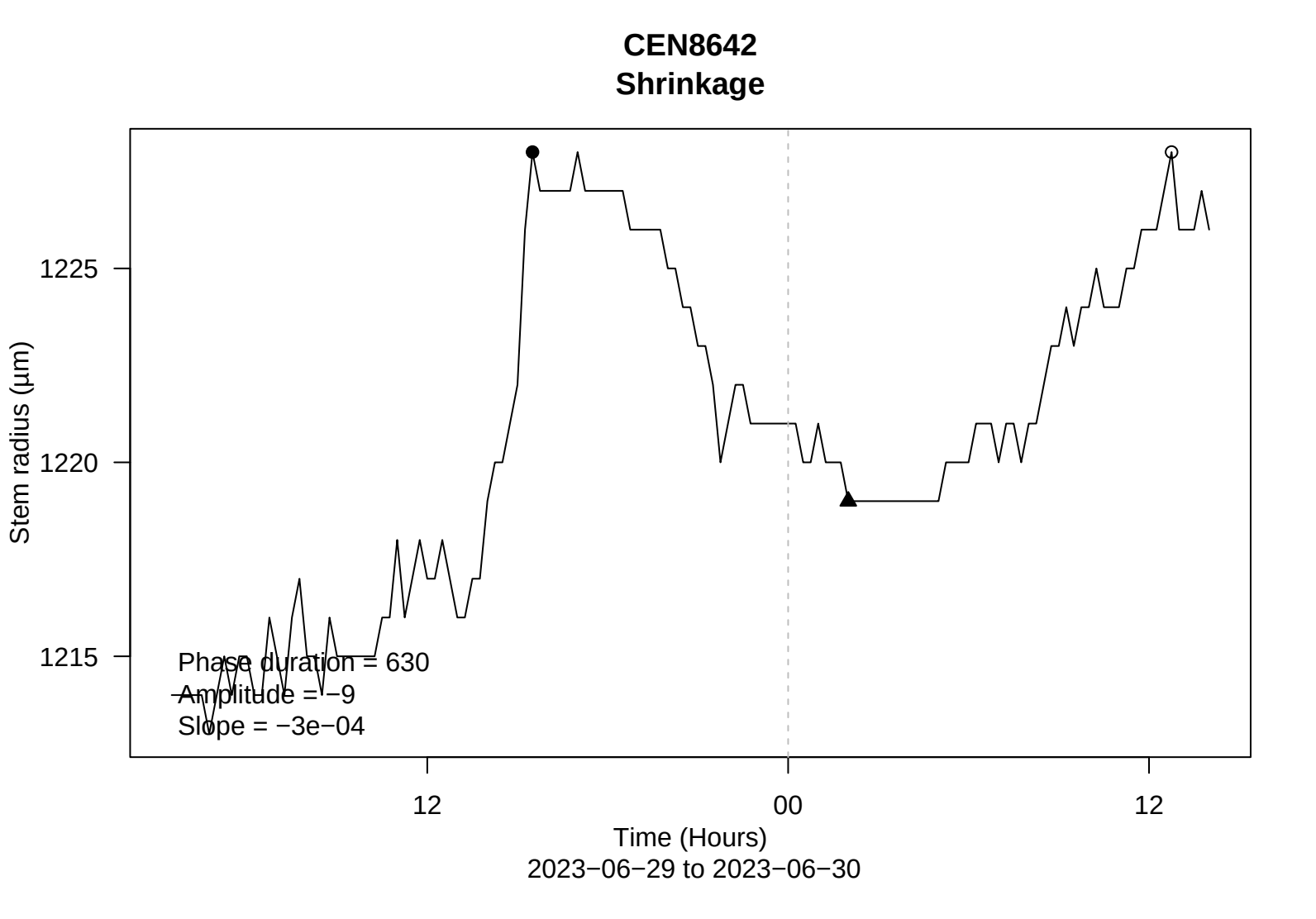

CEN8642
Expansion
1210
1205
1200
1195
1190
1185
1180
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−06−26 to 2023−06−27
Phase duration = 915
Amplitude = 28
Slope = 3e−04

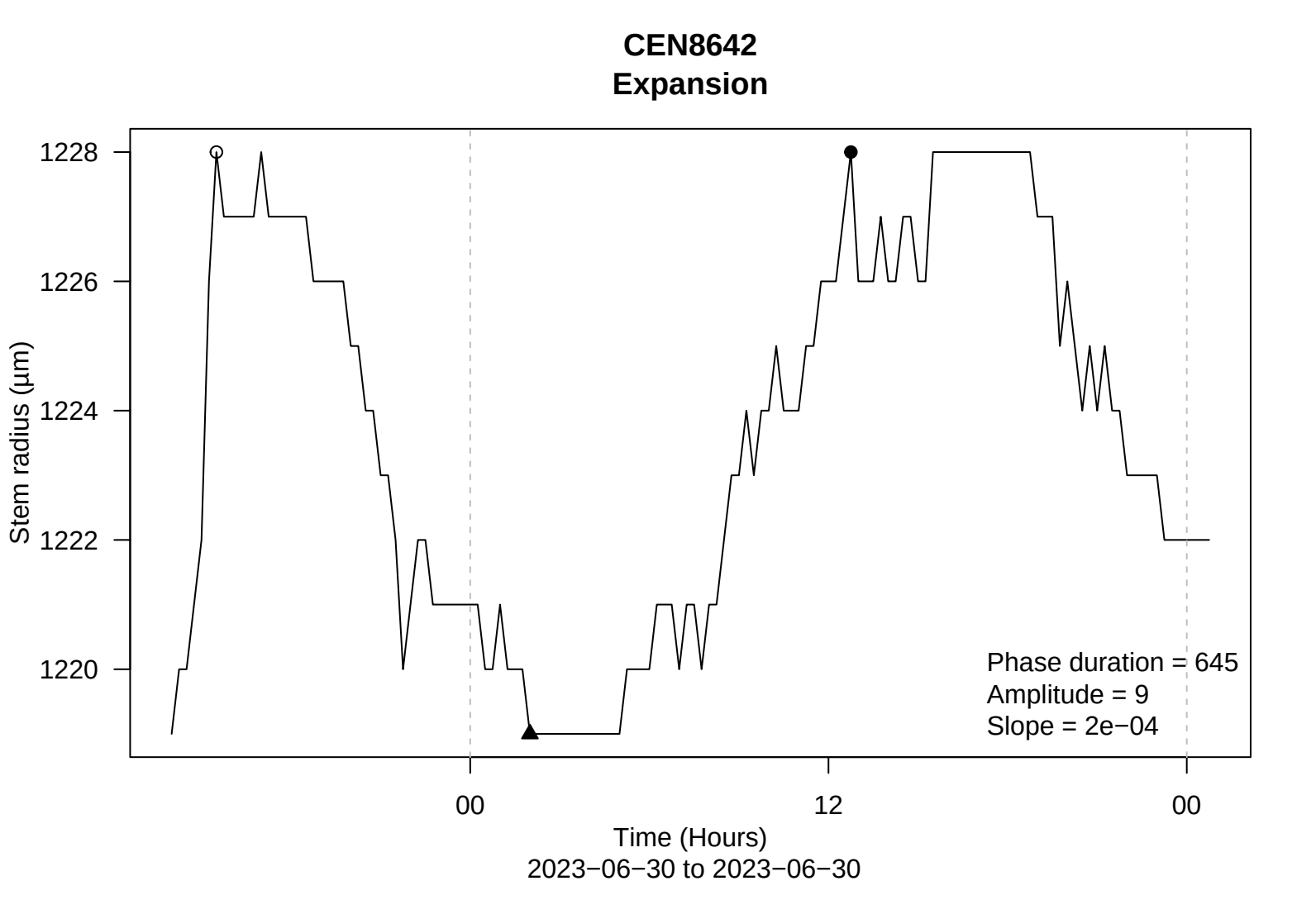

CEN8642
Shrinkage
Stem radius (µm)
1215
1210
1205
1200
1195
1190
1185
1180
Phase duration = 795
Amplitude = −5
Slope = −1e−04
12
00
12
Time (Hours)
2023−06−27 to 2023−06−28

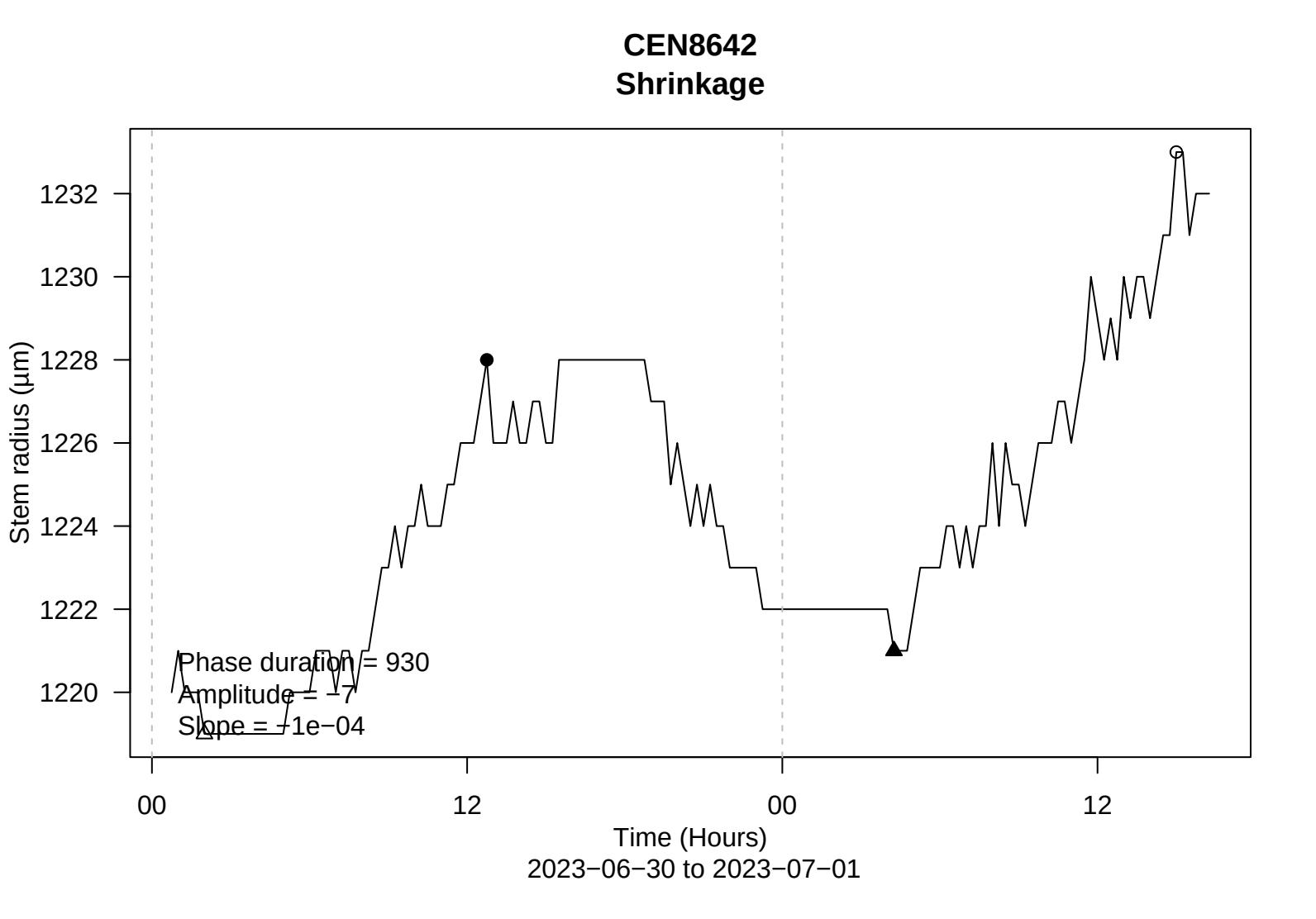

CEN8642
Expansion
1216
1214
1212
1210
1208
1206
1204
Stem radius (µm)
00
12
00
Time (Hours)
2023−06−28 to 2023−06−28
Phase duration = 660
Amplitude = 12
Slope = 3e−04

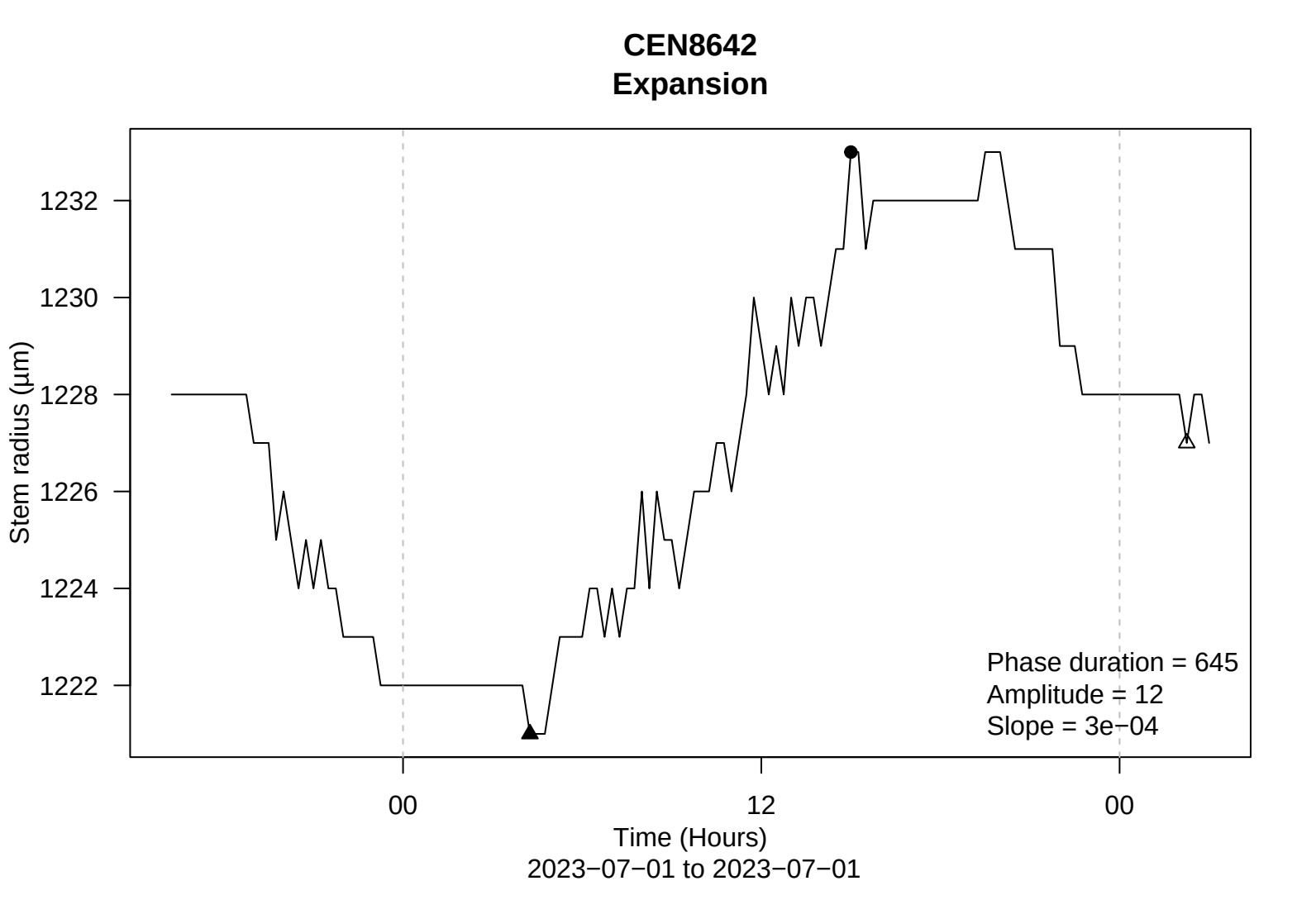

CEN8642
Shrinkage
Stem radius (µm)
1218
1216
1214
1212
1210
1208
1206
1204
Phase duration = 510
Amplitude = −3
Slope = −1e−04
12
00
12
Time (Hours)
2023−06−28 to 2023−06−28

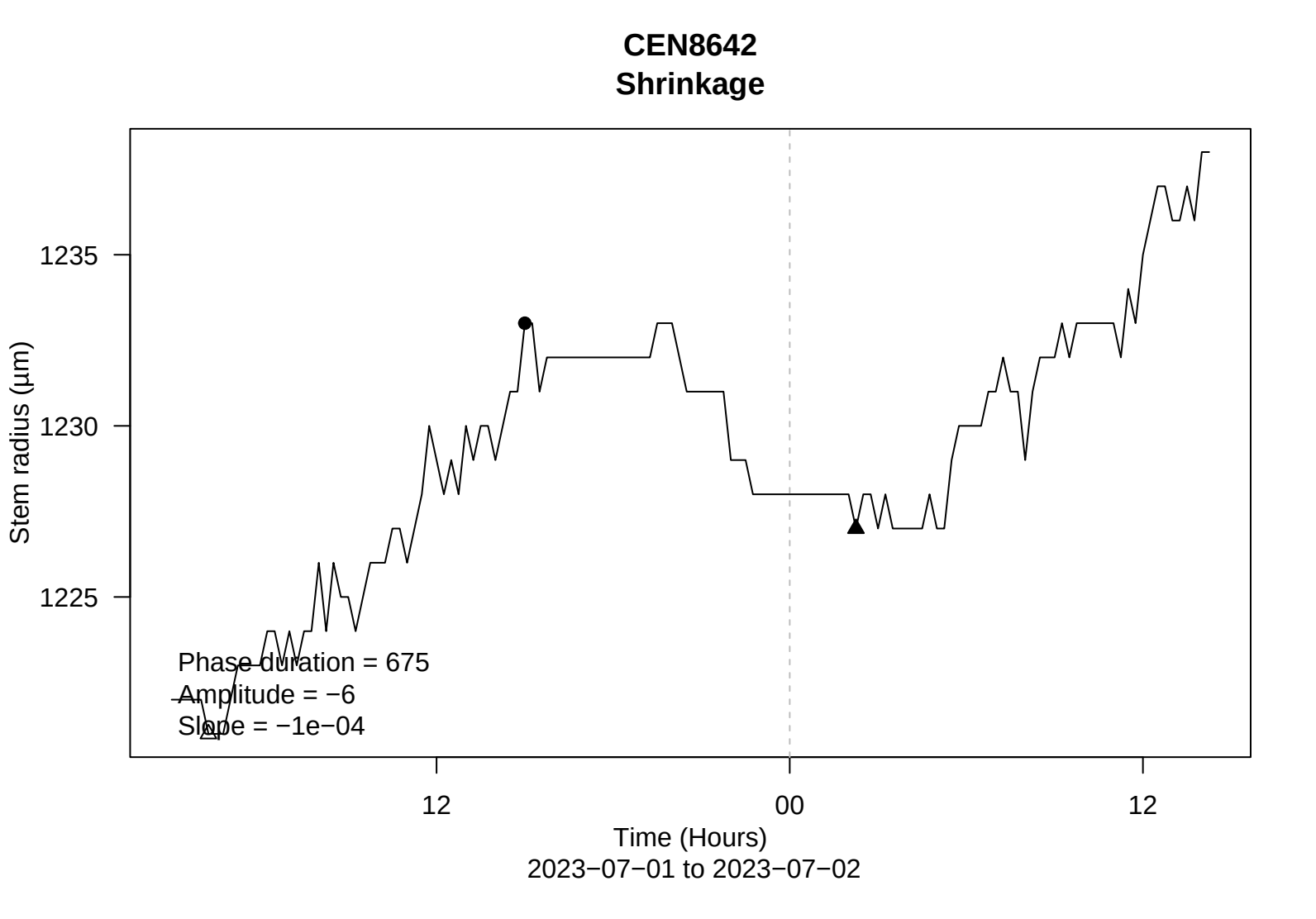

CEN8642
Expansion
Stem radius (µm)
1225
1220
1215
1210
12
00
12
00
Time (Hours)
2023−06−28 to 2023−06−29
Phase duration = 945
Amplitude = 15
Slope = 1e−04

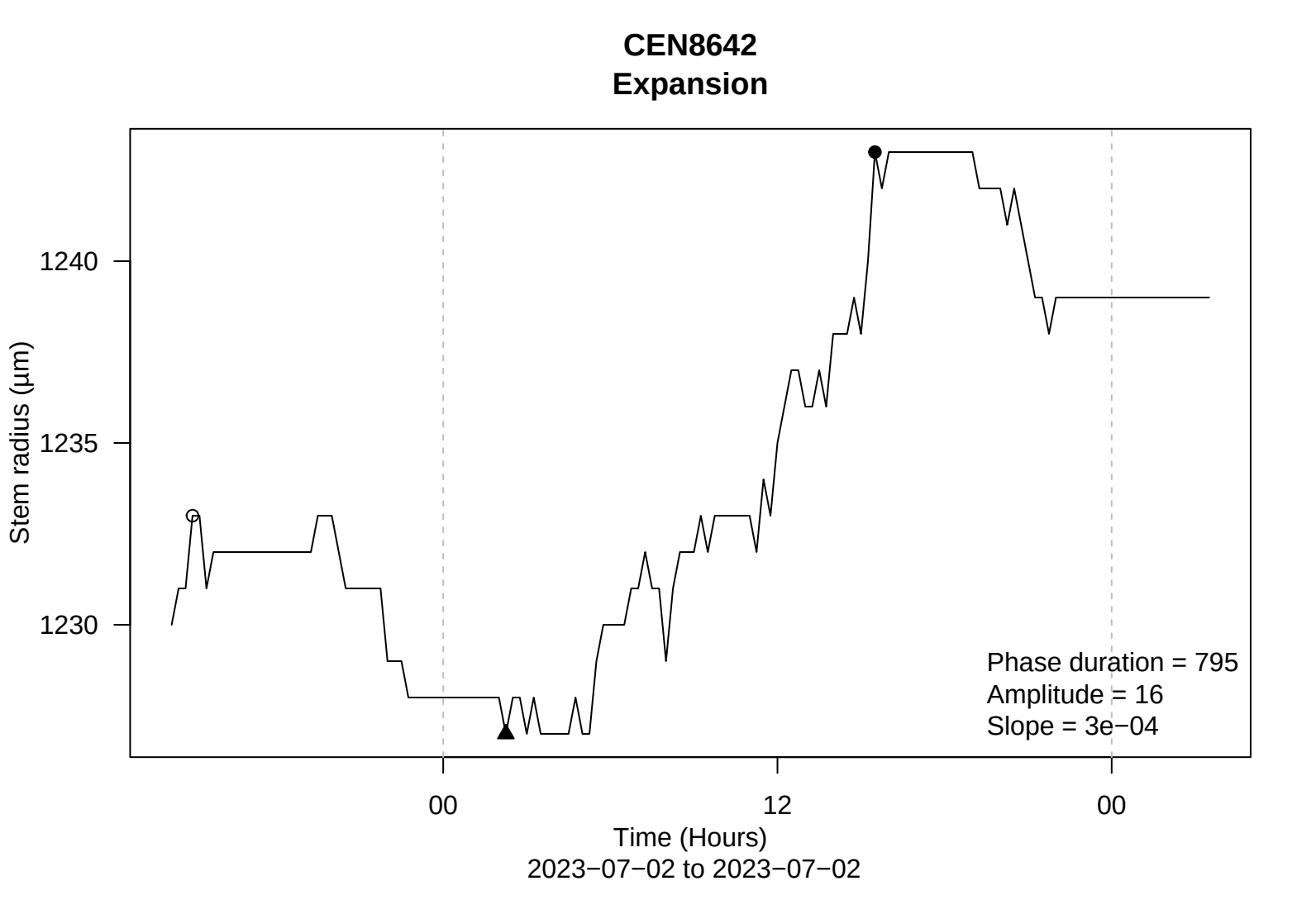

CEN8642
Shrinkage
Stem radius (µm)
1225
1220
1215
Phase duration = 630
Amplitude = −9
Slope = −3e−04
12
00
12
Time (Hours)
2023−06−29 to 2023−06−30

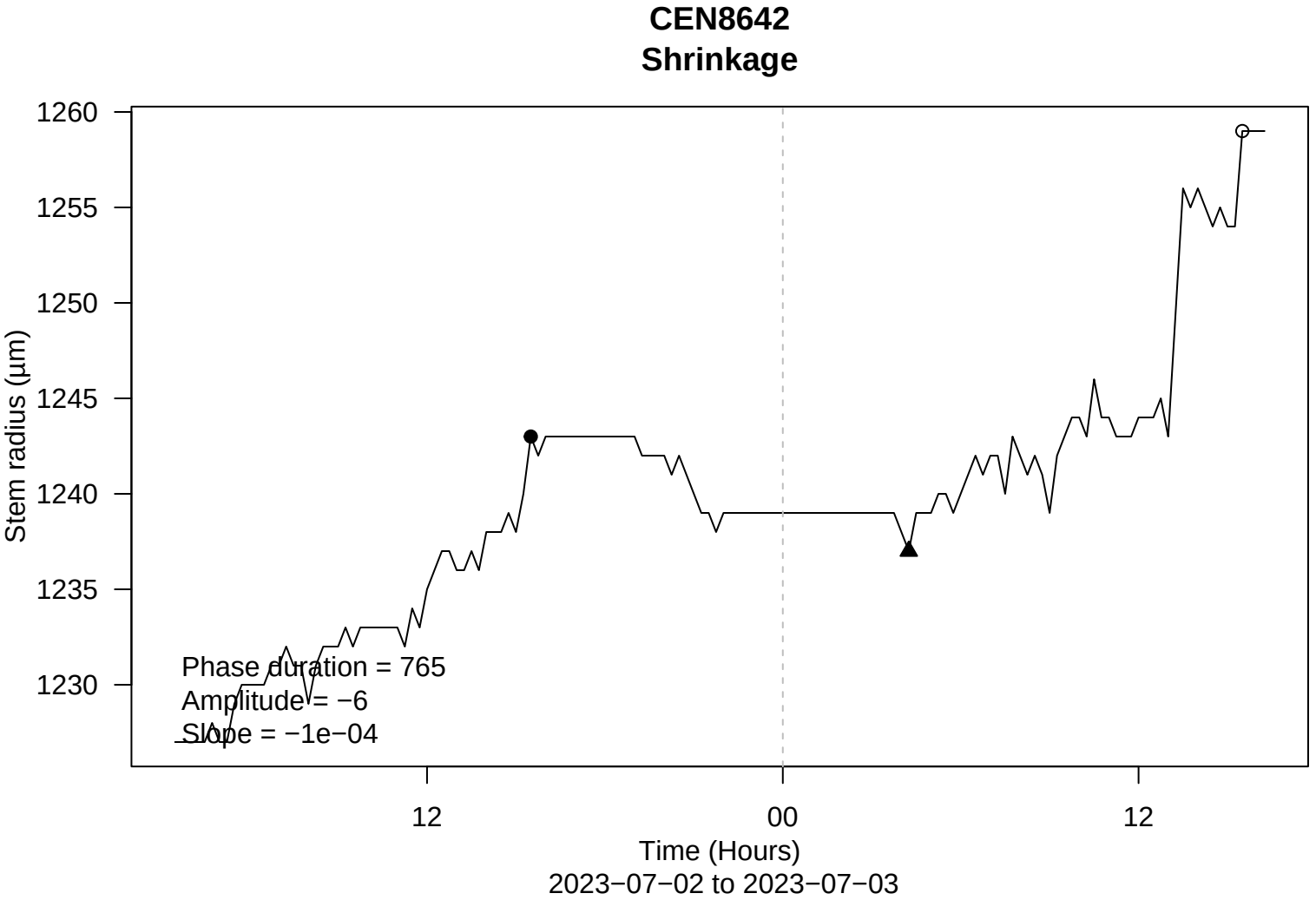

CEN8642
Expansion
1228
1226
1224
1222
1220
Stem radius (µm)
Phase duration = 645
Amplitude = 9
Slope = 2e−04
00
12
00
Time (Hours)
2023−06−30 to 2023−06−30

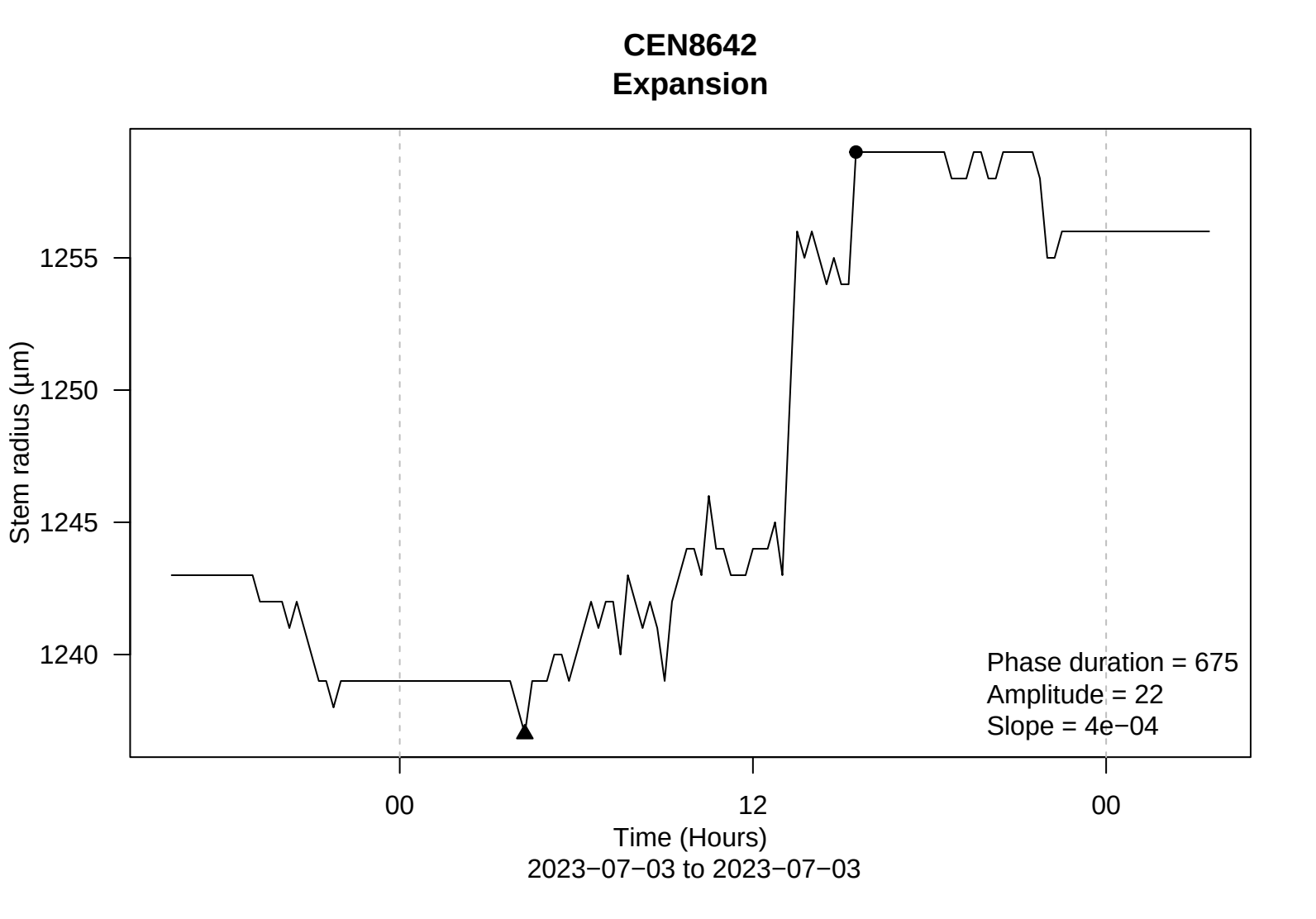

CEN8642
Shrinkage
Stem radius (µm)
1232
1230
1228
1226
1224
1222
1220
Phase duration = 930
Amplitude = −7
Slope = −1e−04
00
12
00
12
Time (Hours)
2023−06−30 to 2023−07−01

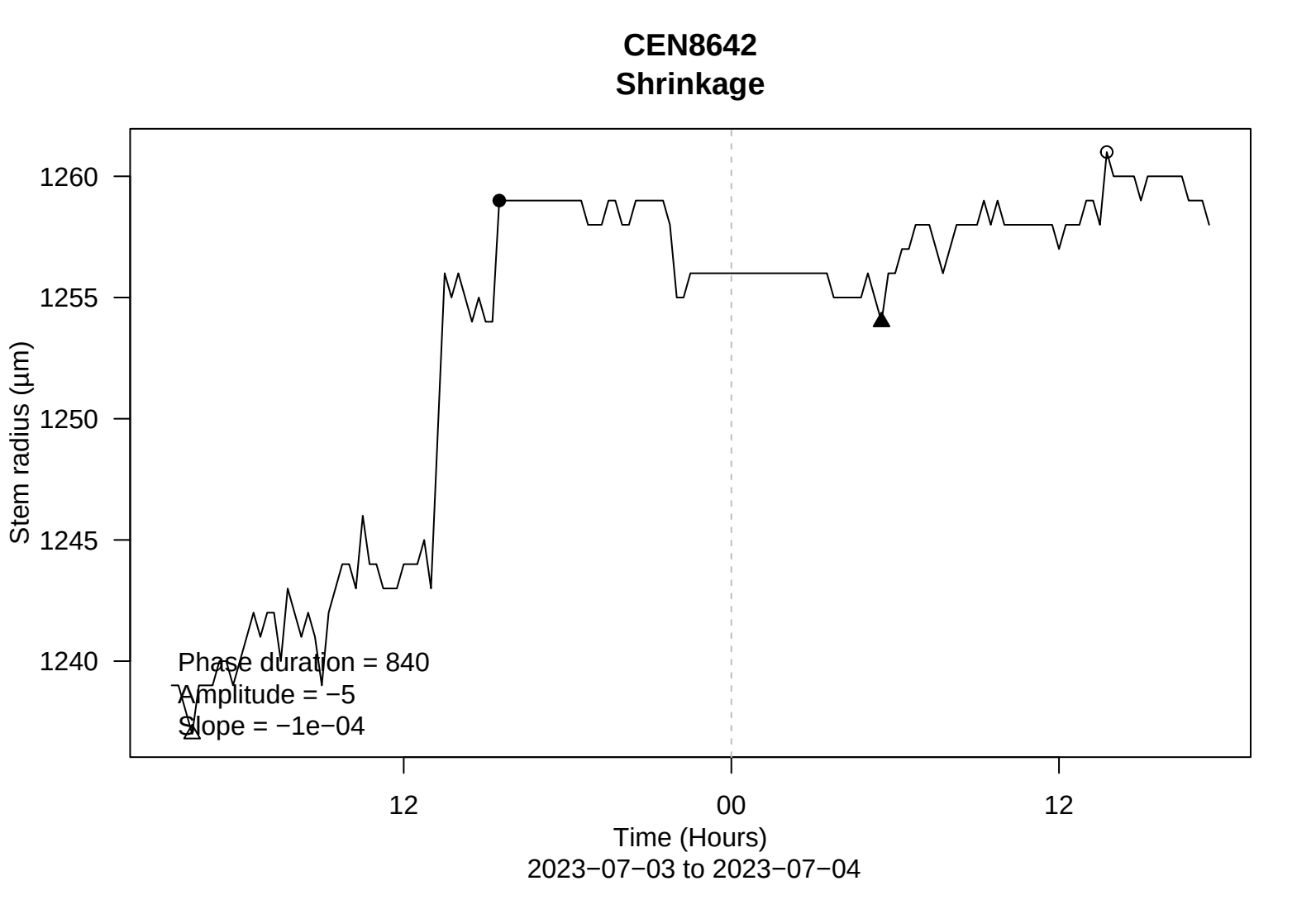

CEN8642
Expansion
1232
1230
1228
1226
1224
1222
Stem radius (µm)
00
12
00
Time (Hours)
2023−07−01 to 2023−07−01
Phase duration = 645
Amplitude = 12
Slope = 3e−04

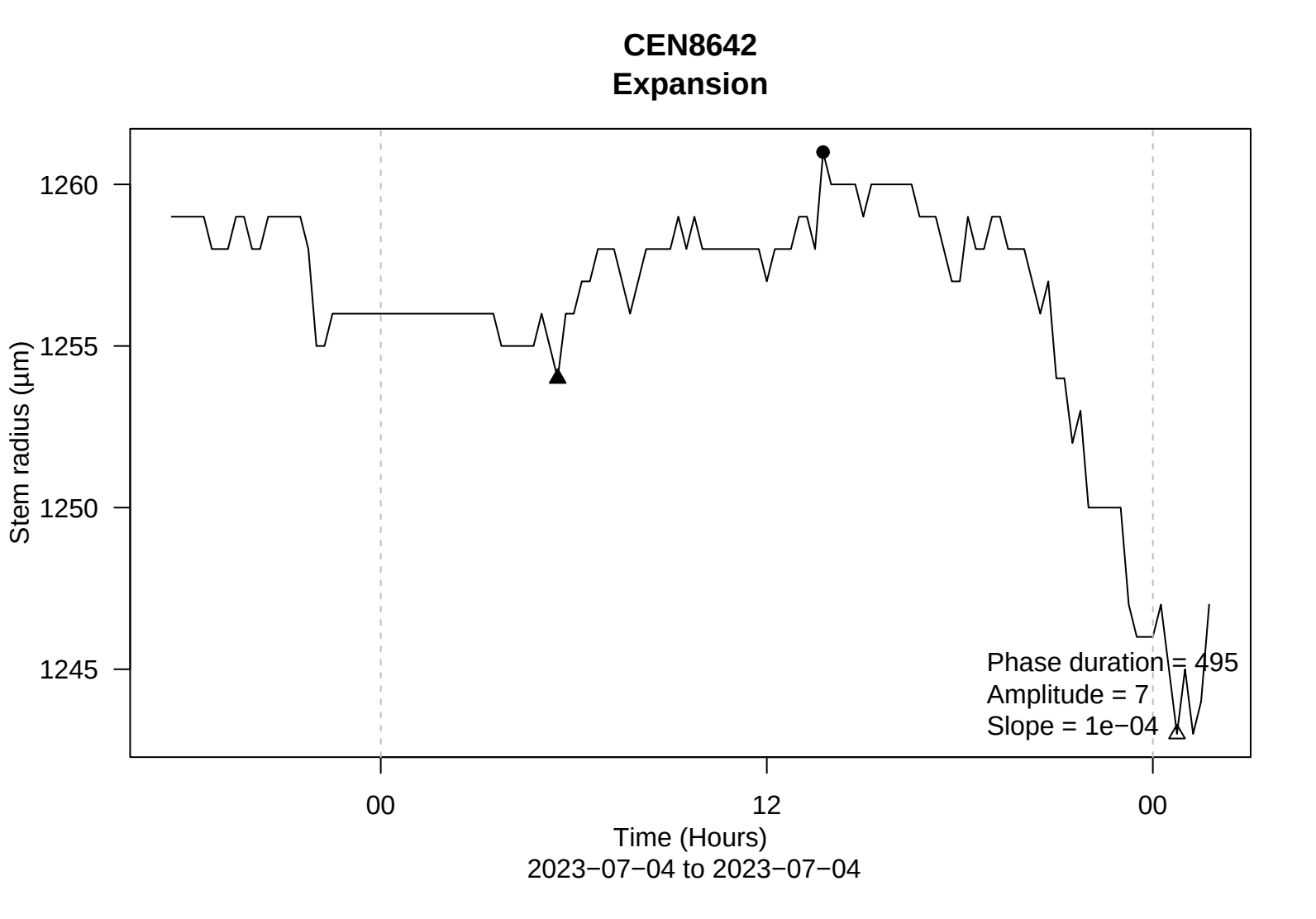

CEN8642
Shrinkage
Stem radius (µm)
1235
1230
1225
Phase duration = 675
Amplitude = −6
Slope = −1e−04
12
00
12
Time (Hours)
2023−07−01 to 2023−07−02

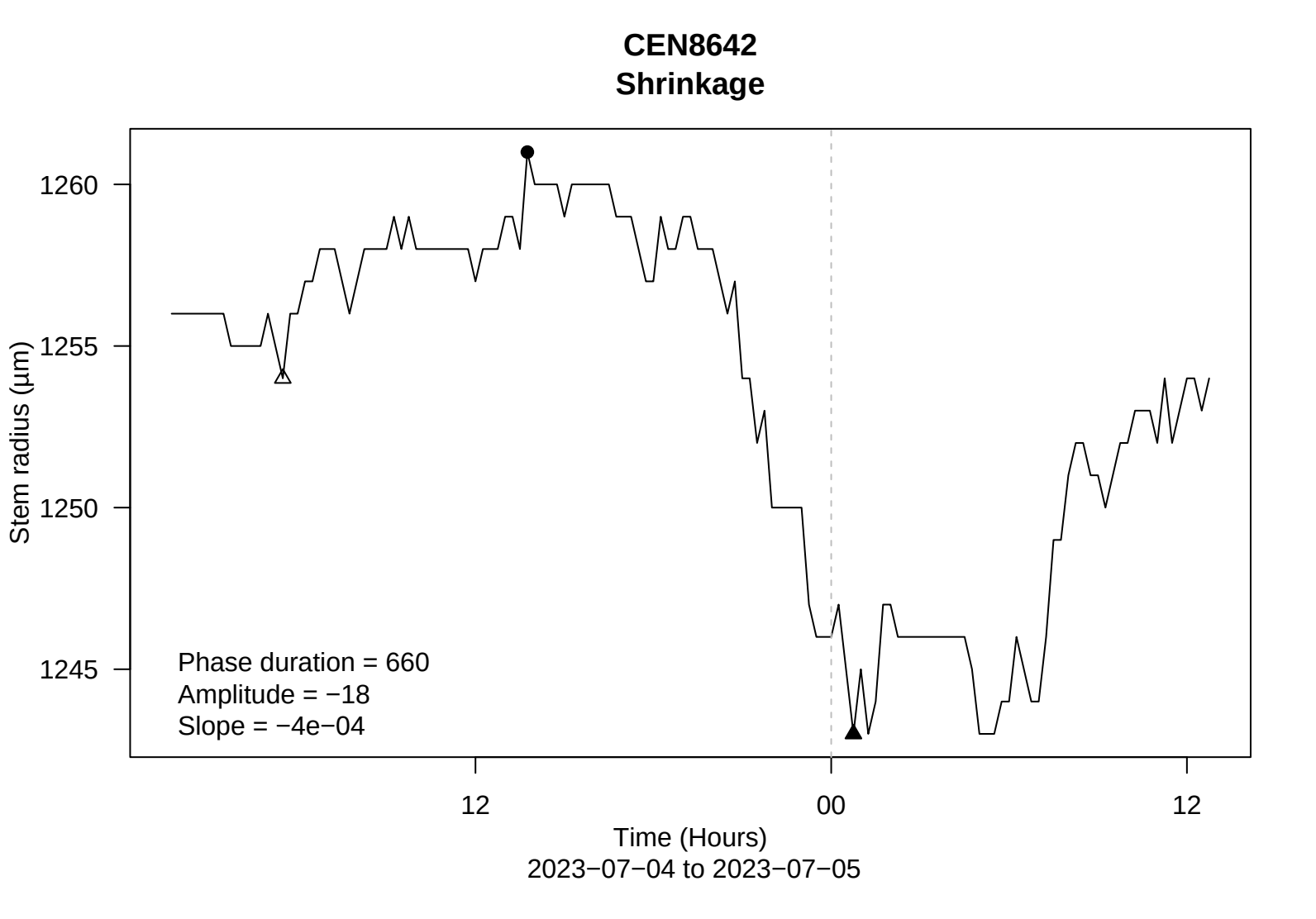

CEN8642
Expansion
Stem radius (µm)
1240
1235
1230
00
12
00
Time (Hours)
2023−07−02 to 2023−07−02
Phase duration = 795
Amplitude = 16
Slope = 3e−04

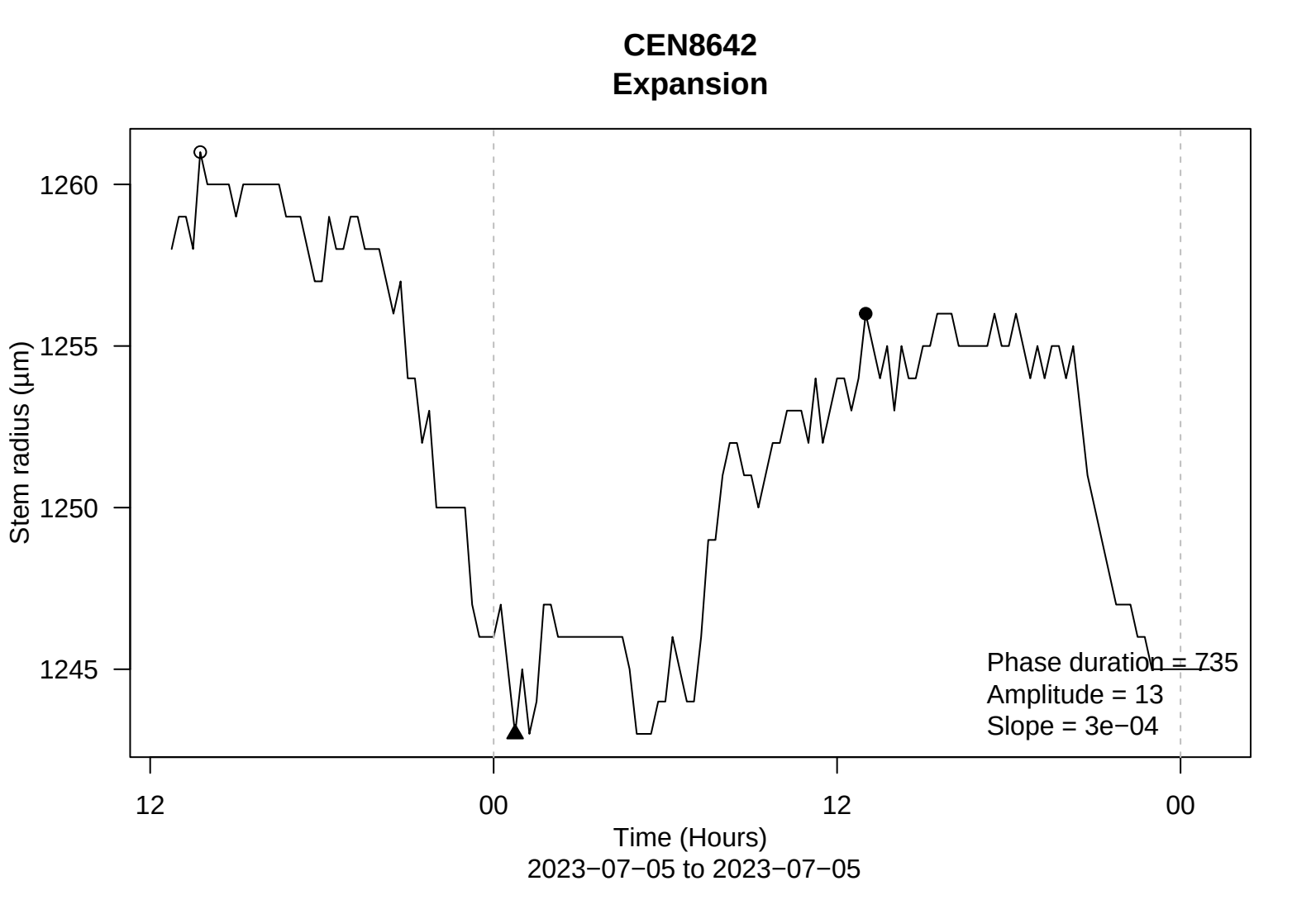

CEN8642
Shrinkage
1260
1255
1250
1245
1240
1235
1230
Stem radius (µm)
Phase duration = 765
Amplitude = −6
Slope = −1e−04
12
00
12
Time (Hours)
2023−07−02 to 2023−07−03

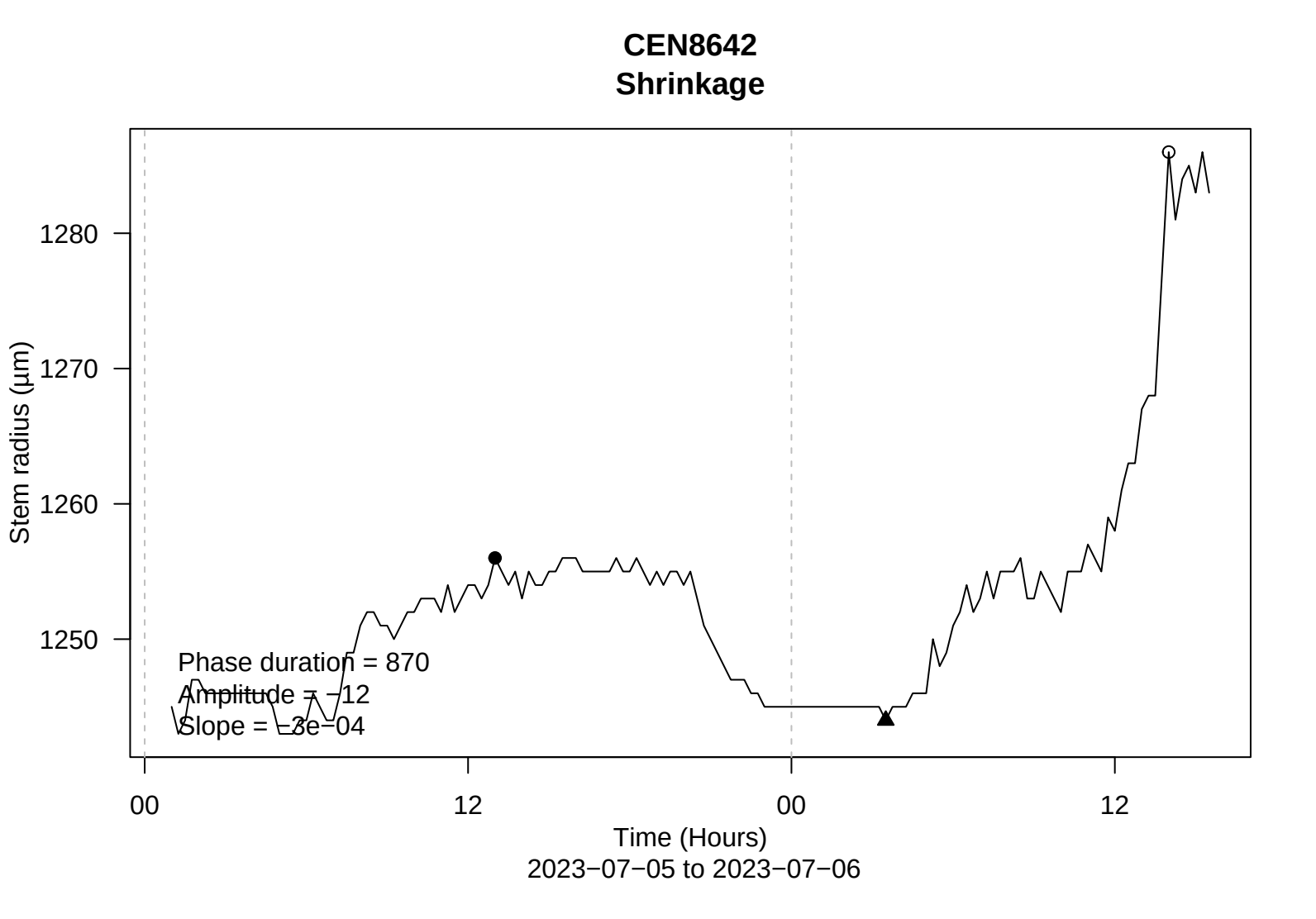

CEN8642
Expansion
Stem radius (µm)
1255
1250
1245
1240
00
12
00
Time (Hours)
2023−07−03 to 2023−07−03
Phase duration = 675
Amplitude = 22
Slope = 4e−04

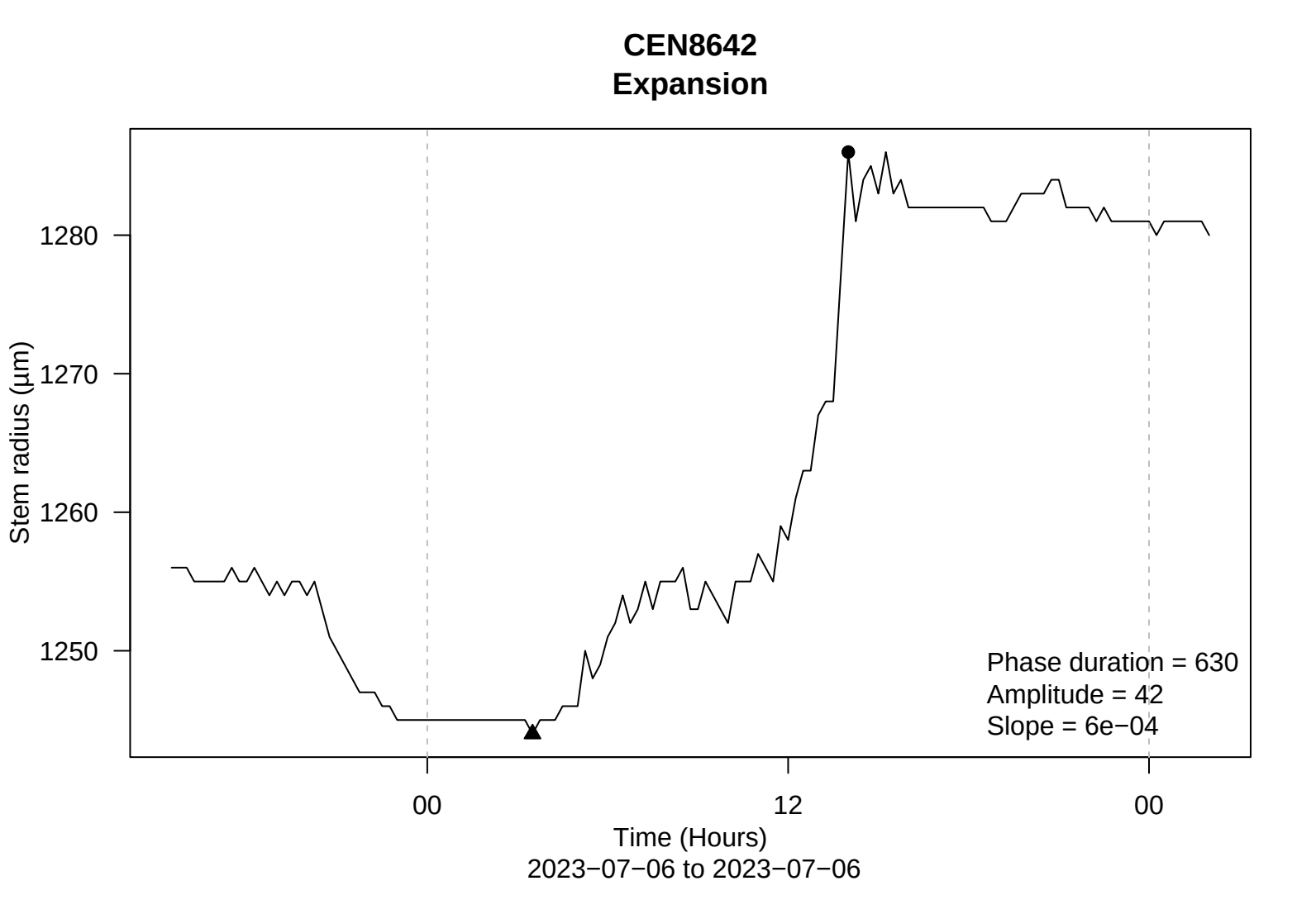

CEN8642
Shrinkage
1260
1255
1250
1245
1240
Stem radius (µm)
Phase duration = 840
Amplitude = −5
Slope = −1e−04
12
00
12
Time (Hours)
2023−07−03 to 2023−07−04

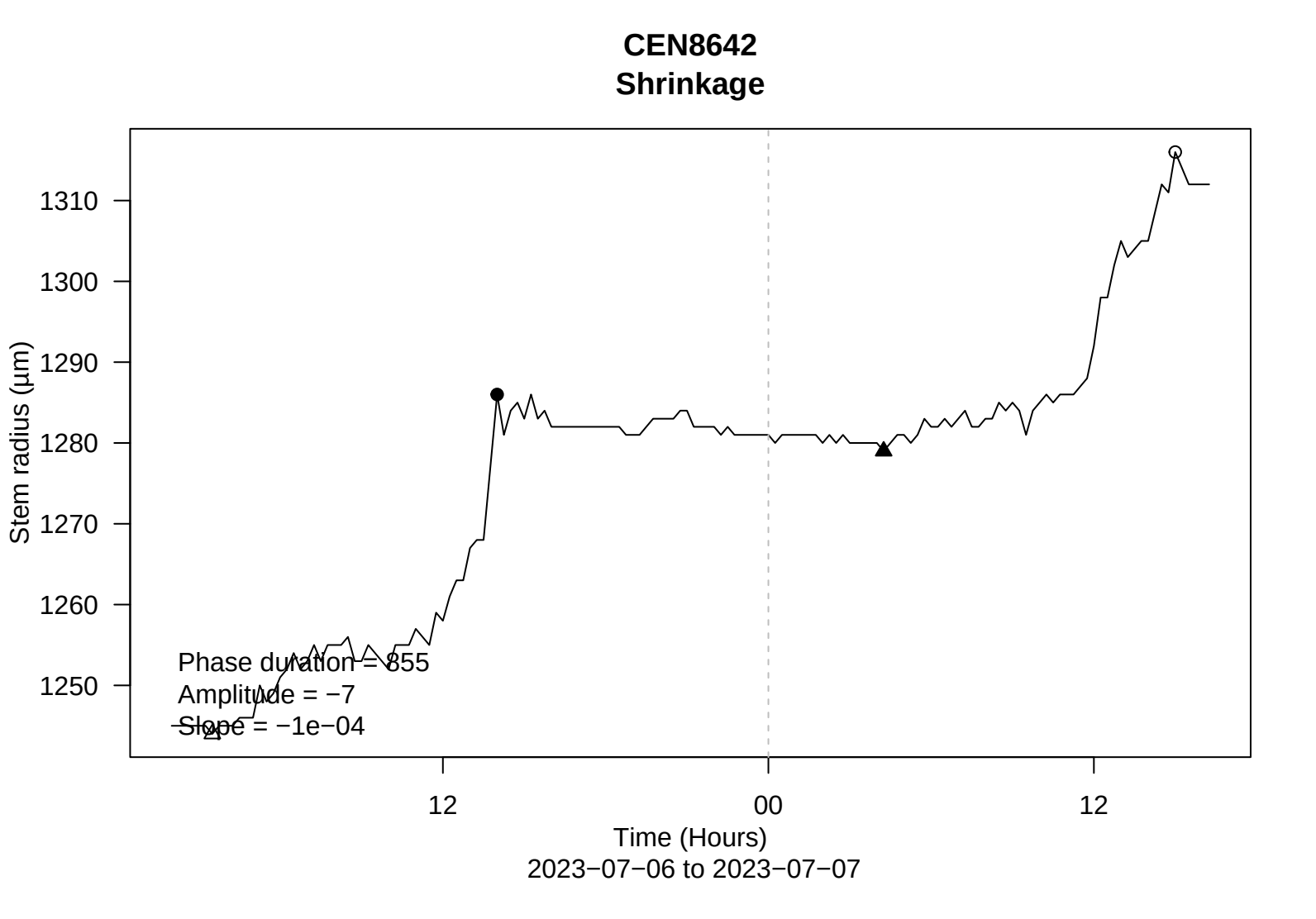

CEN8642
Expansion
1260
1255
1250
1245
Stem radius (µm)
Phase duration = 495
Amplitude = 7
Slope = 1e−04
00
12
00
Time (Hours)
2023−07−04 to 2023−07−04

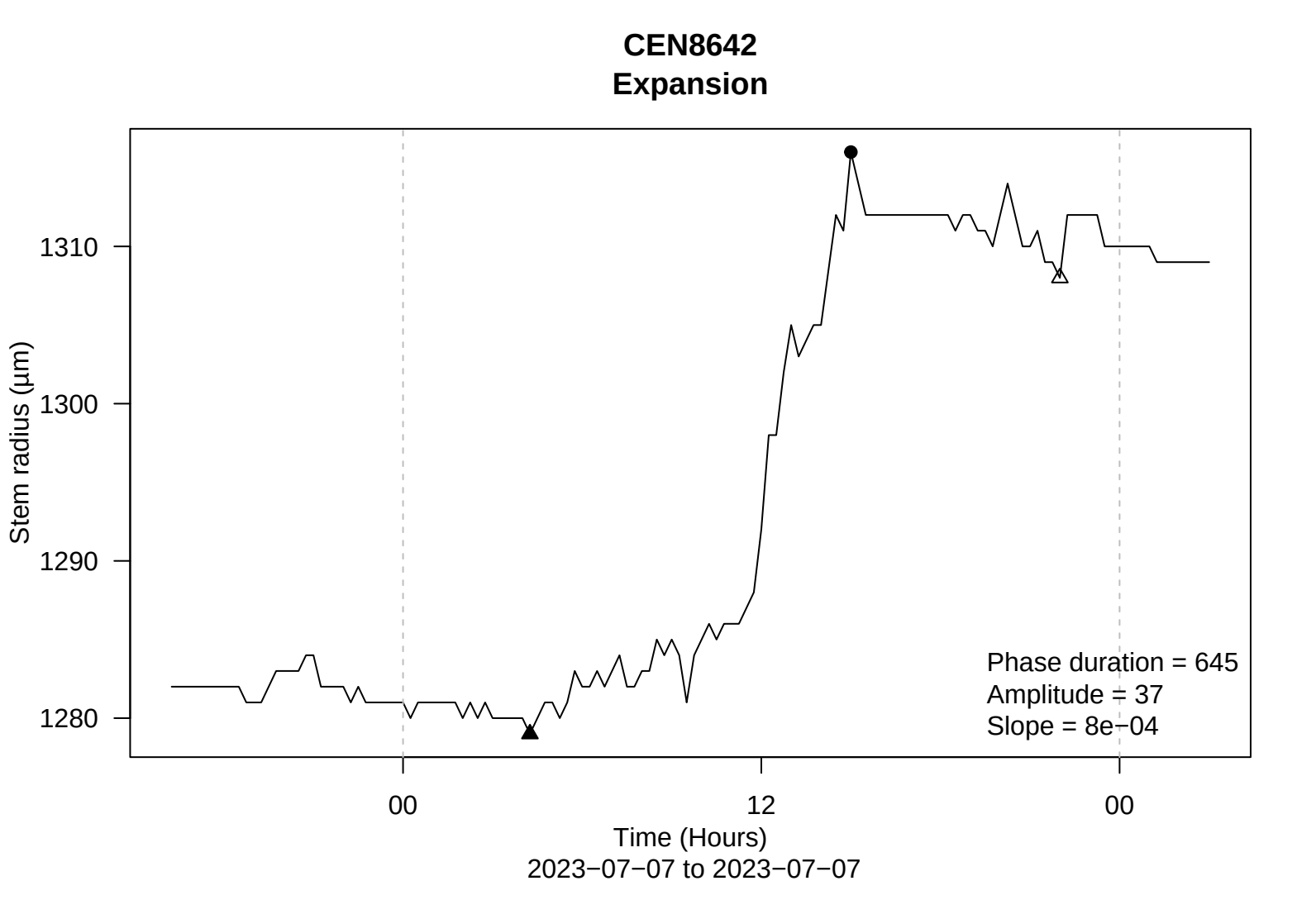

CEN8642
Shrinkage
1260
1255
1250
1245
Stem radius (µm)
Phase duration = 660
Amplitude = −18
Slope = −4e−04
12
00
12
Time (Hours)
2023−07−04 to 2023−07−05

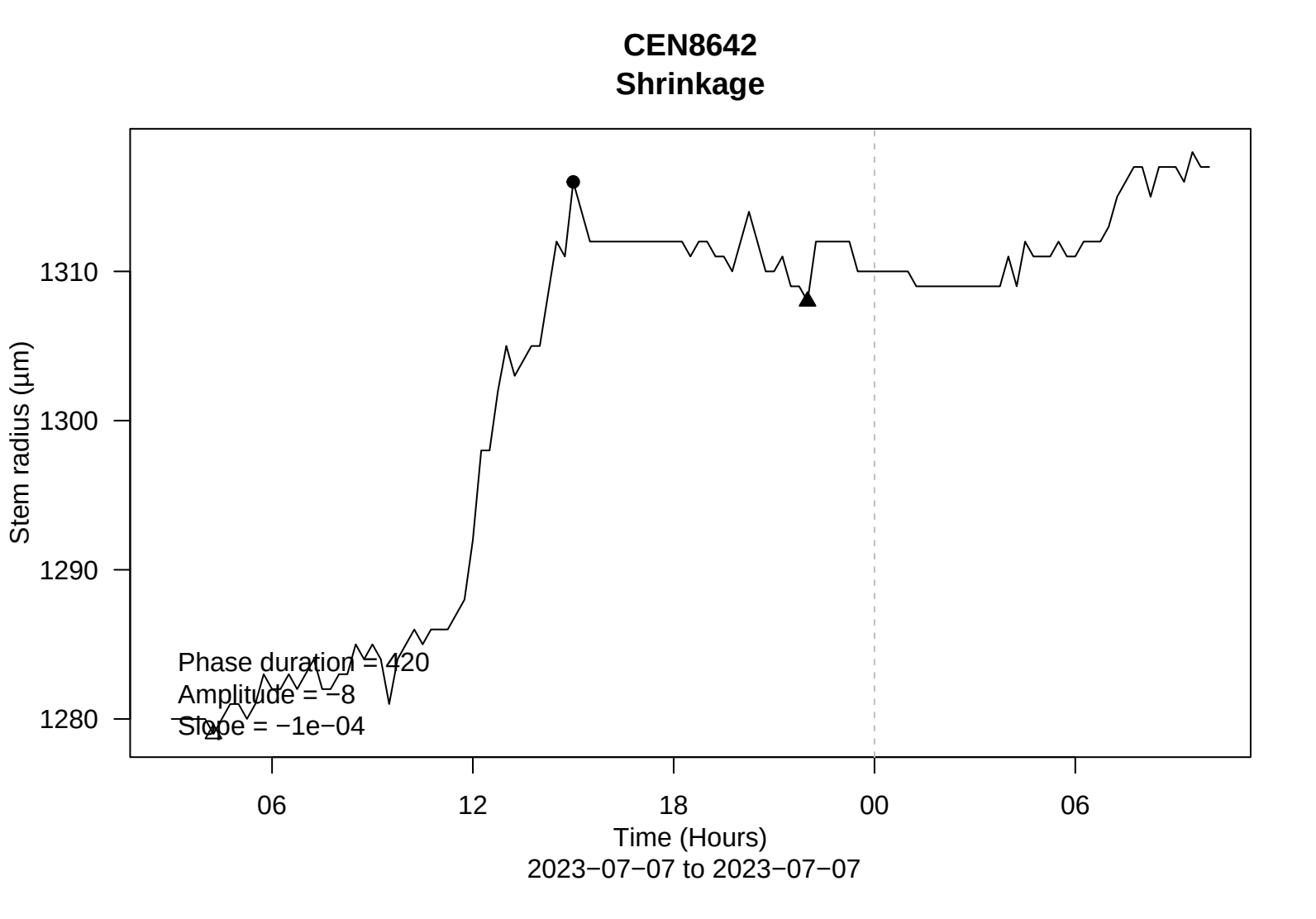

CEN8642
Expansion
1260
1255
1250
1245
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−07−05 to 2023−07−05
Phase duration = 735
Amplitude = 13
Slope = 3e−04

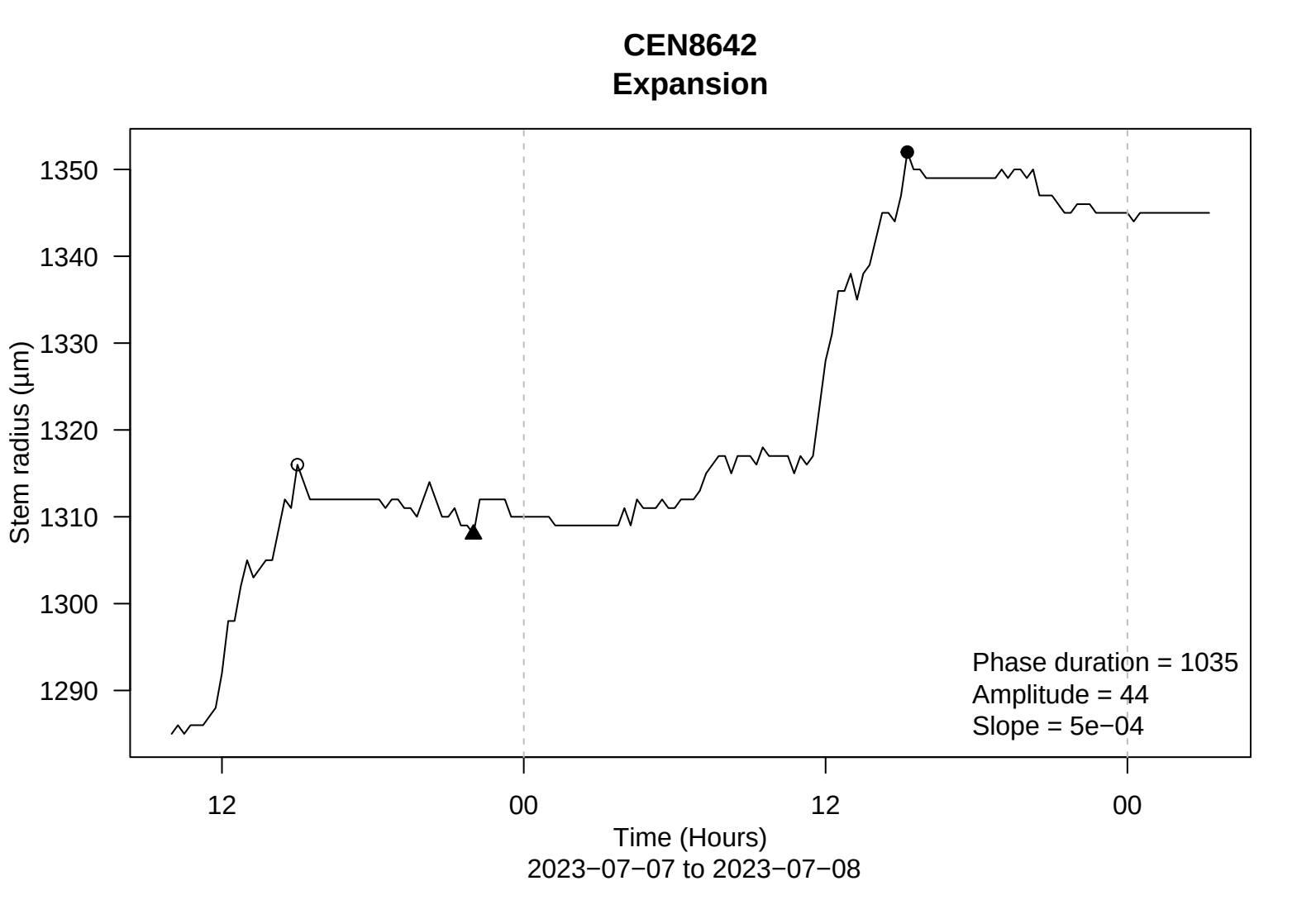

CEN8642
Shrinkage
Stem radius (µm)
1280
1270
1260
1250
Phase duration = 870
Amplitude = −12
Slope = −3e−04
00
12
00
12
Time (Hours)
2023−07−05 to 2023−07−06

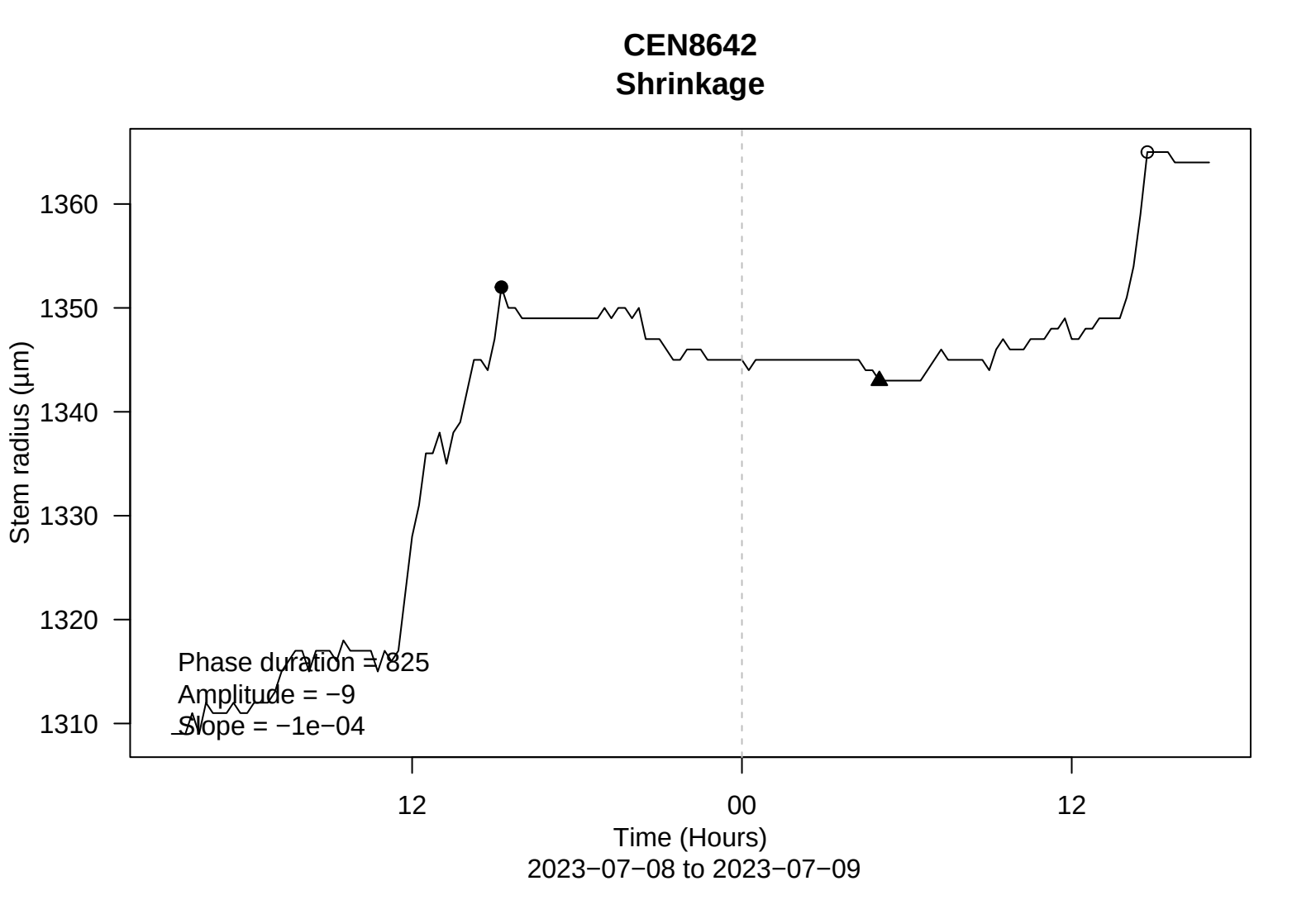

CEN8642
Expansion
1280
1270
1260
1250
Stem radius (µm)
Phase duration = 630
Amplitude = 42
Slope = 6e−04
00
12
00
Time (Hours)
2023−07−06 to 2023−07−06

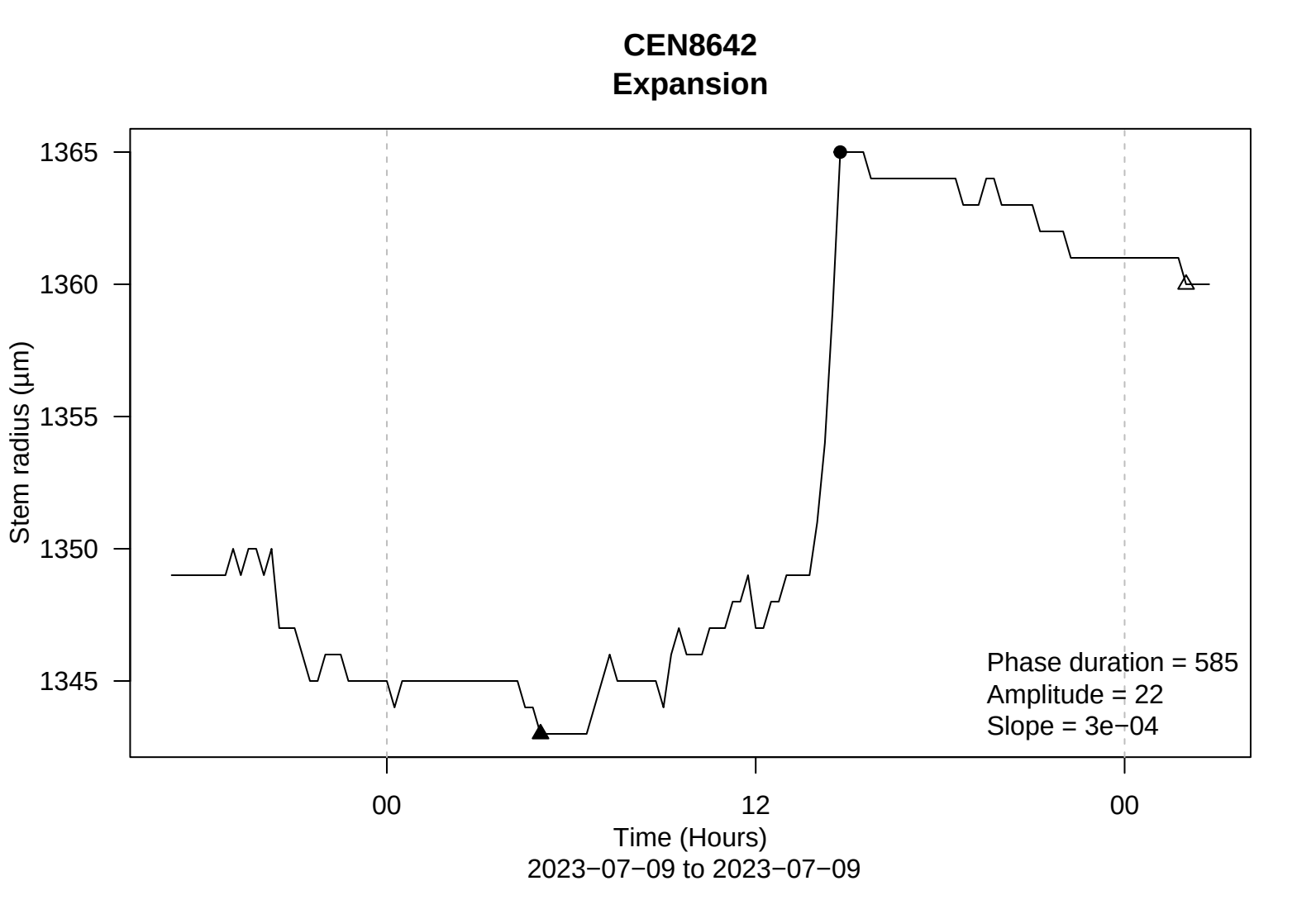

CEN8642
Shrinkage
Stem radius (µm)
1310
1300
1290
1280
1270
1260
1250
Phase duration = 855
Amplitude = −7
Slope = −1e−04
12
00
12
Time (Hours)
2023−07−06 to 2023−07−07

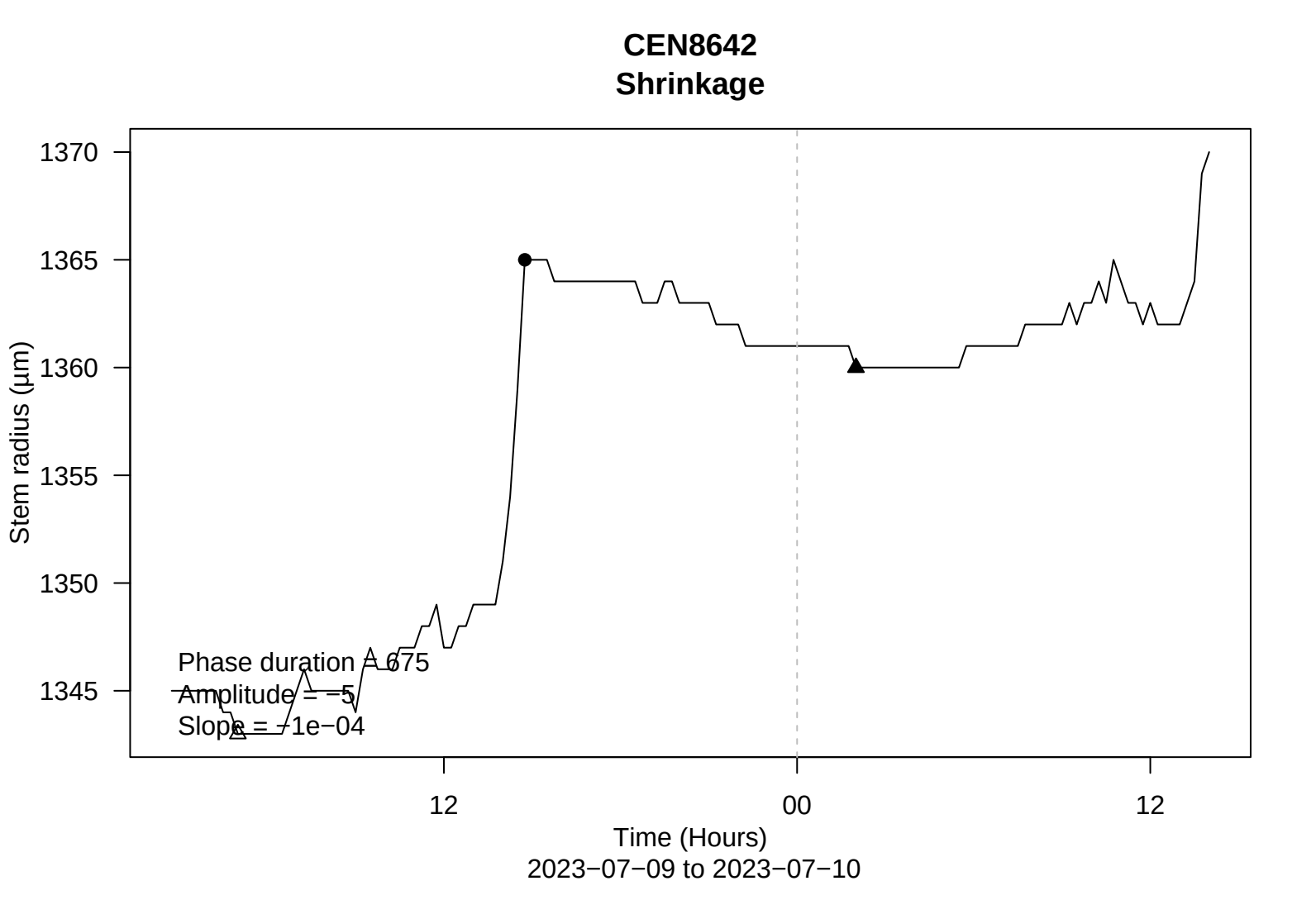

CEN8642
Expansion
Stem radius (µm)
1310
1300
1290
1280
00
12
00
Time (Hours)
2023−07−07 to 2023−07−07
Phase duration = 645
Amplitude = 37
Slope = 8e−04

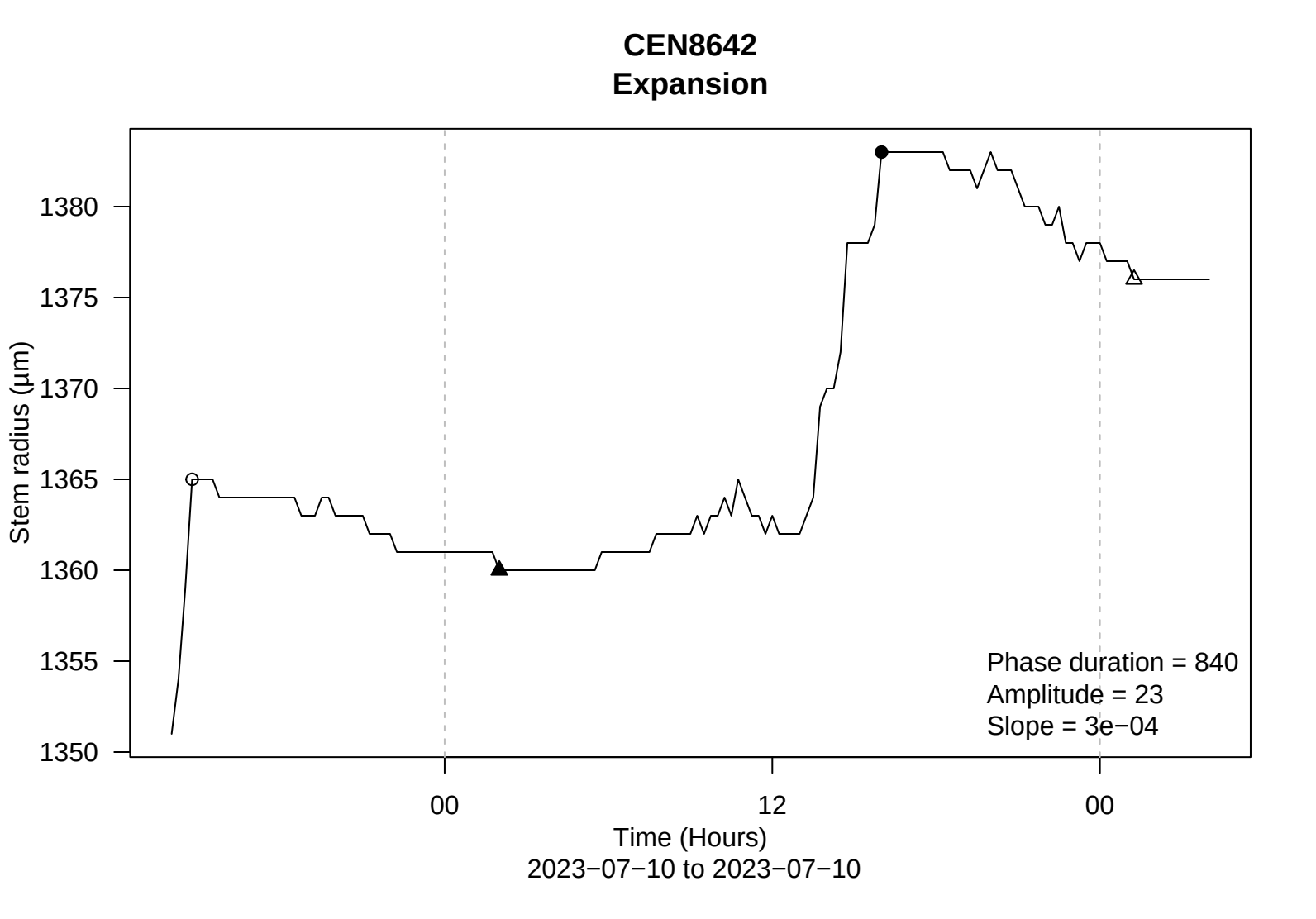

CEN8642
Shrinkage
Stem radius (µm)
1310
1300
1290
1280
Phase duration = 420
Amplitude = −8
Slope = −1e−04
06
12
18
00
06
Time (Hours)
2023−07−07 to 2023−07−07

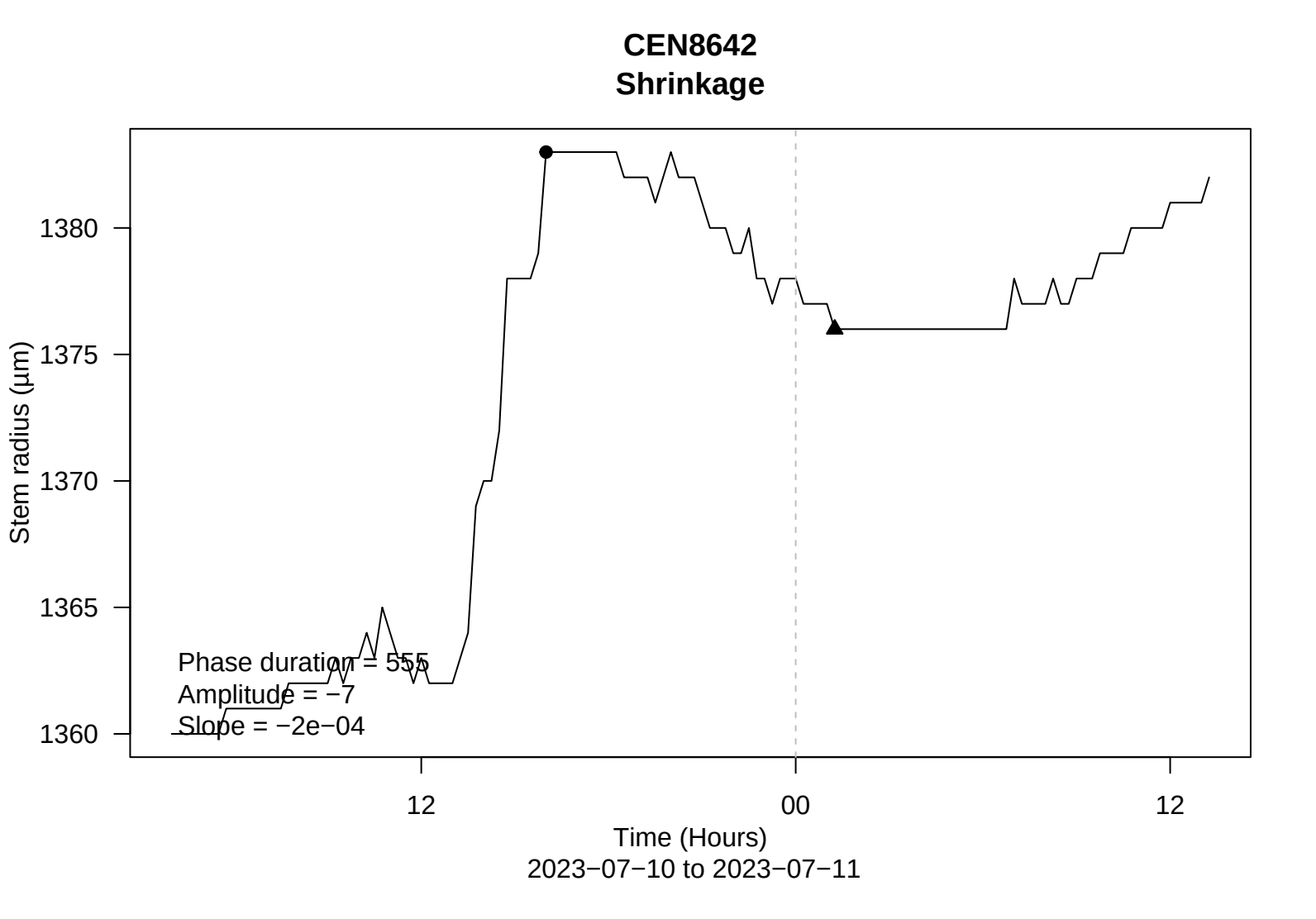

CEN8642
Expansion
1350
1340
1330
1320
1310
1300
1290
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−07−07 to 2023−07−08
Phase duration = 1035
Amplitude = 44
Slope = 5e−04

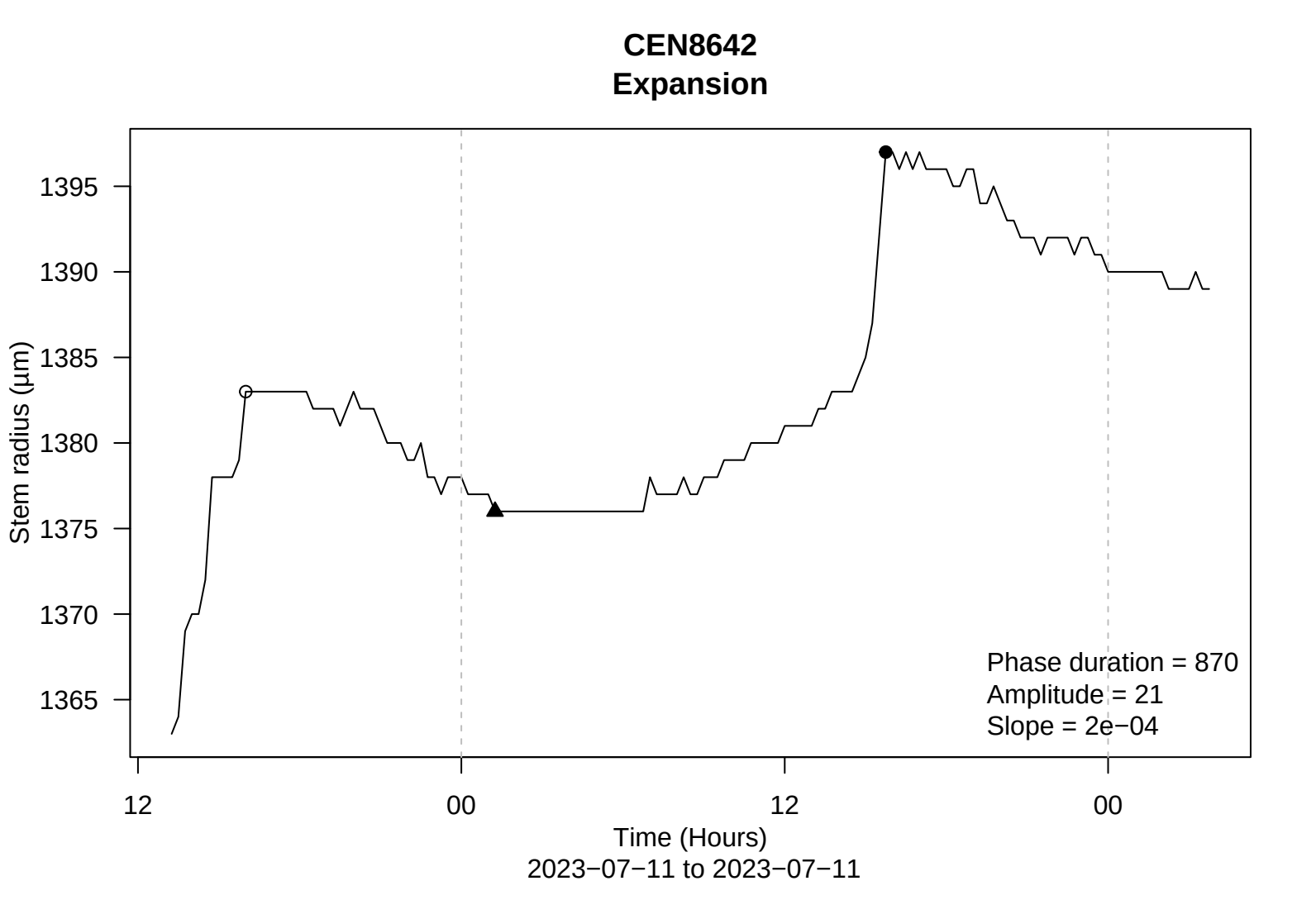

CEN8642
Shrinkage
Stem radius (µm)
1360
1350
1340
1330
1320
1310
Phase duration = 825
Amplitude = −9
Slope = −1e−04
12
00
12
Time (Hours)
2023−07−08 to 2023−07−09

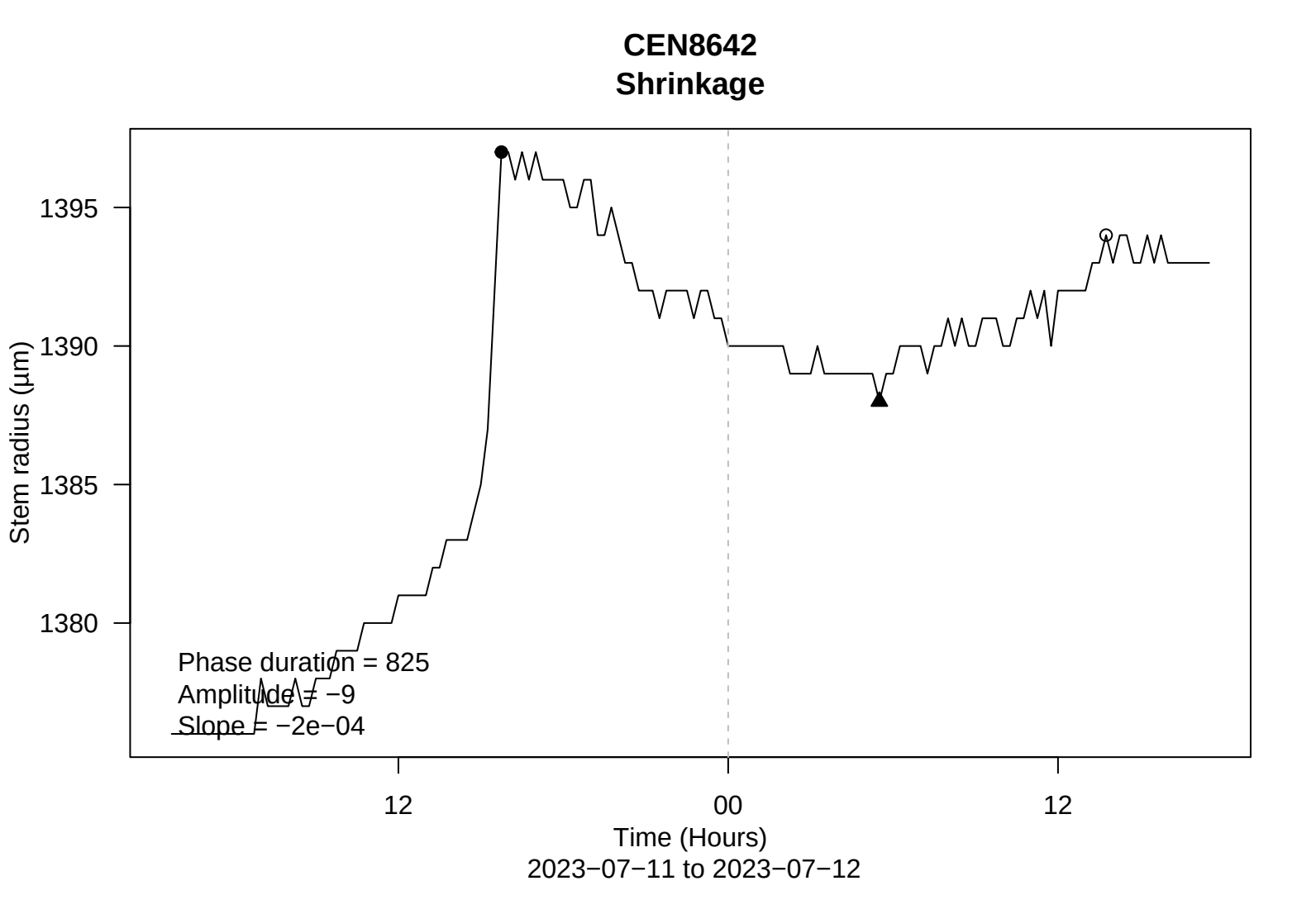

CEN8642
Expansion
1365
1360
1355
1350
1345
Stem radius (µm)
00
12
00
Time (Hours)
2023−07−09 to 2023−07−09
Phase duration = 585
Amplitude = 22
Slope = 3e−04

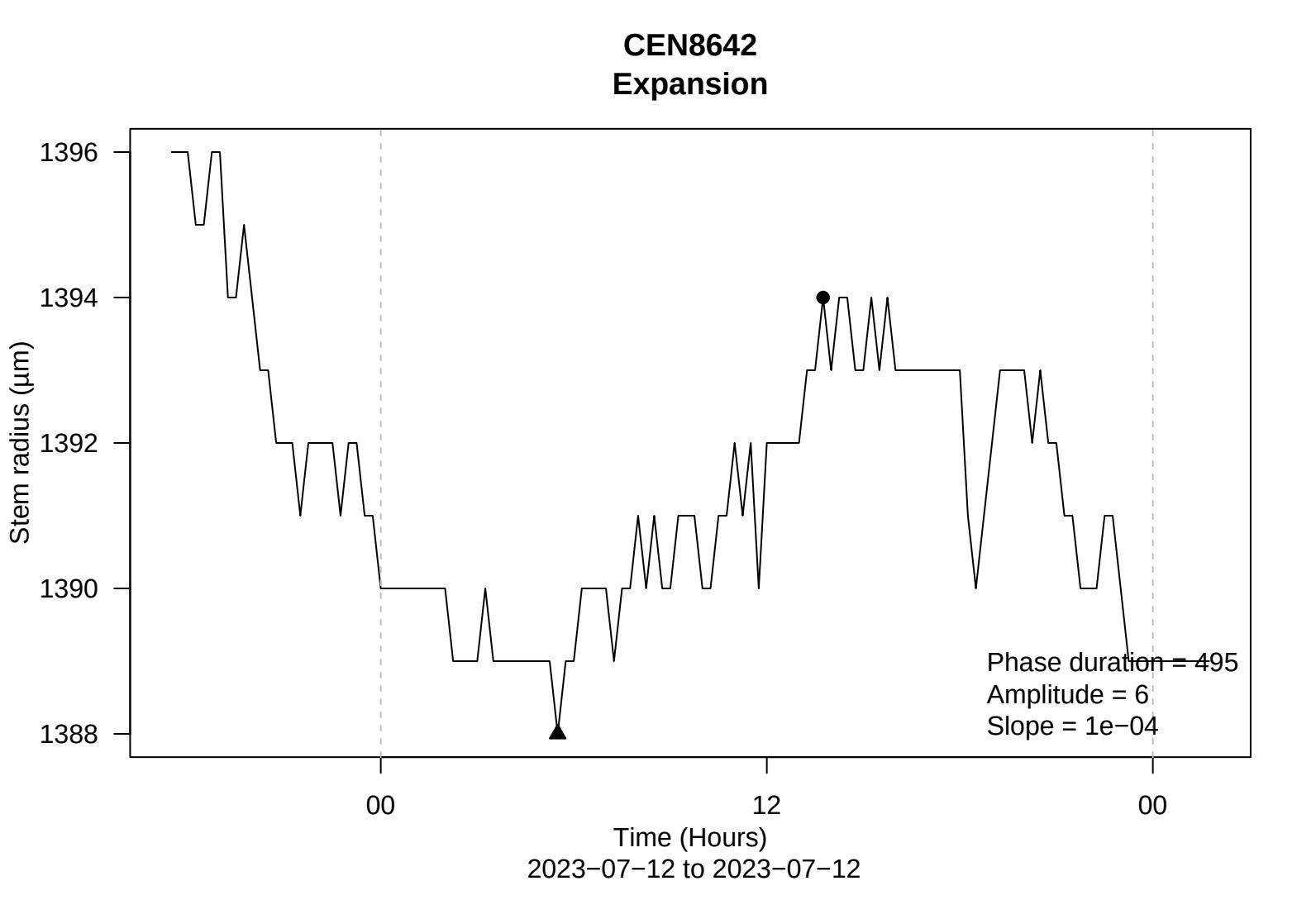

CEN8642
Shrinkage
1370
1365
1360
1355
1350
1345
Stem radius (µm)
Phase duration = 675
Amplitude = −5
Slope = −1e−04
12
00
12
Time (Hours)
2023−07−09 to 2023−07−10

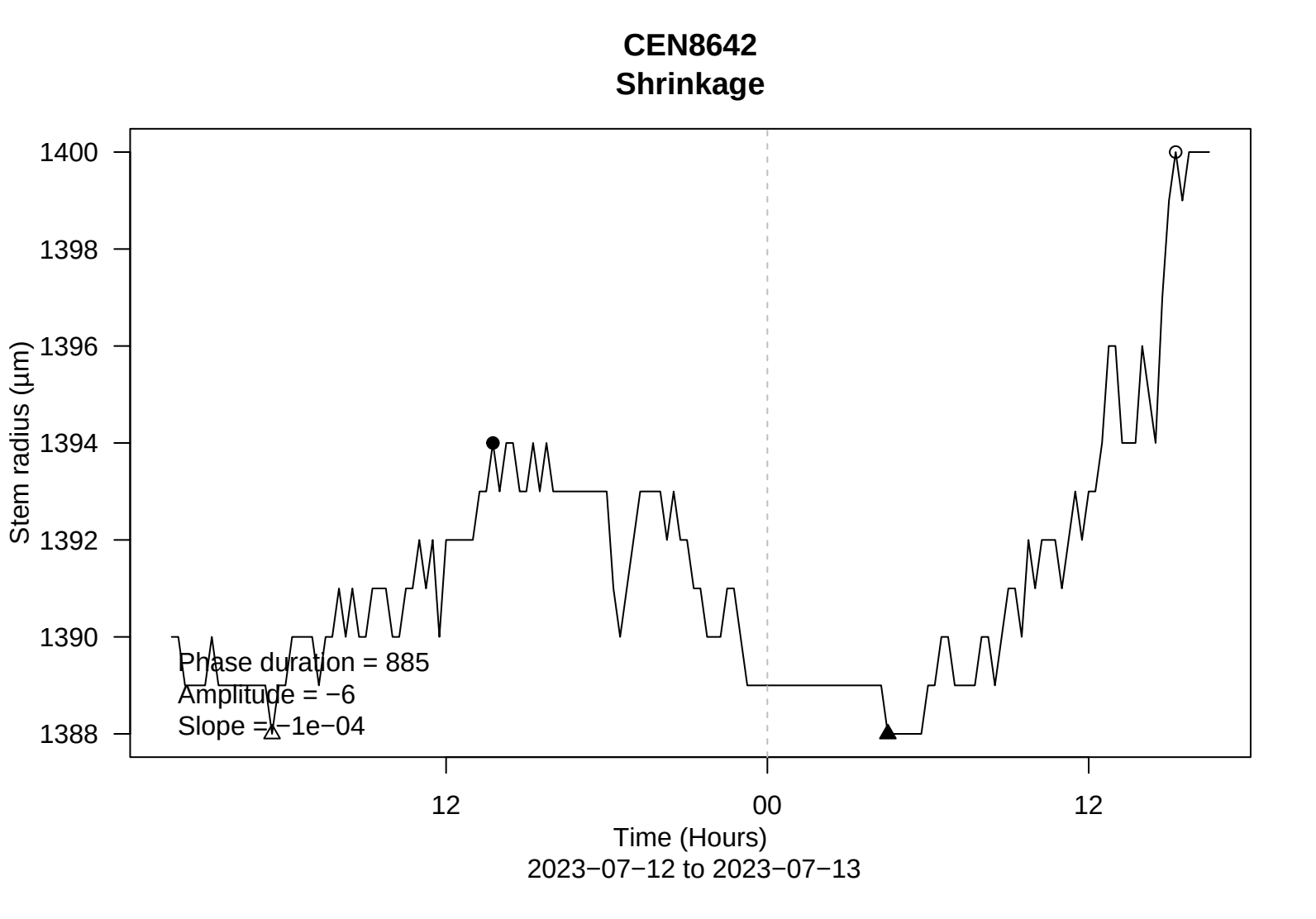

CEN8642
Expansion
Stem radius (µm)
1380
1375
1370
1365
1360
1355
1350
00
12
00
Time (Hours)
2023−07−10 to 2023−07−10
Phase duration = 840
Amplitude = 23
Slope = 3e−04

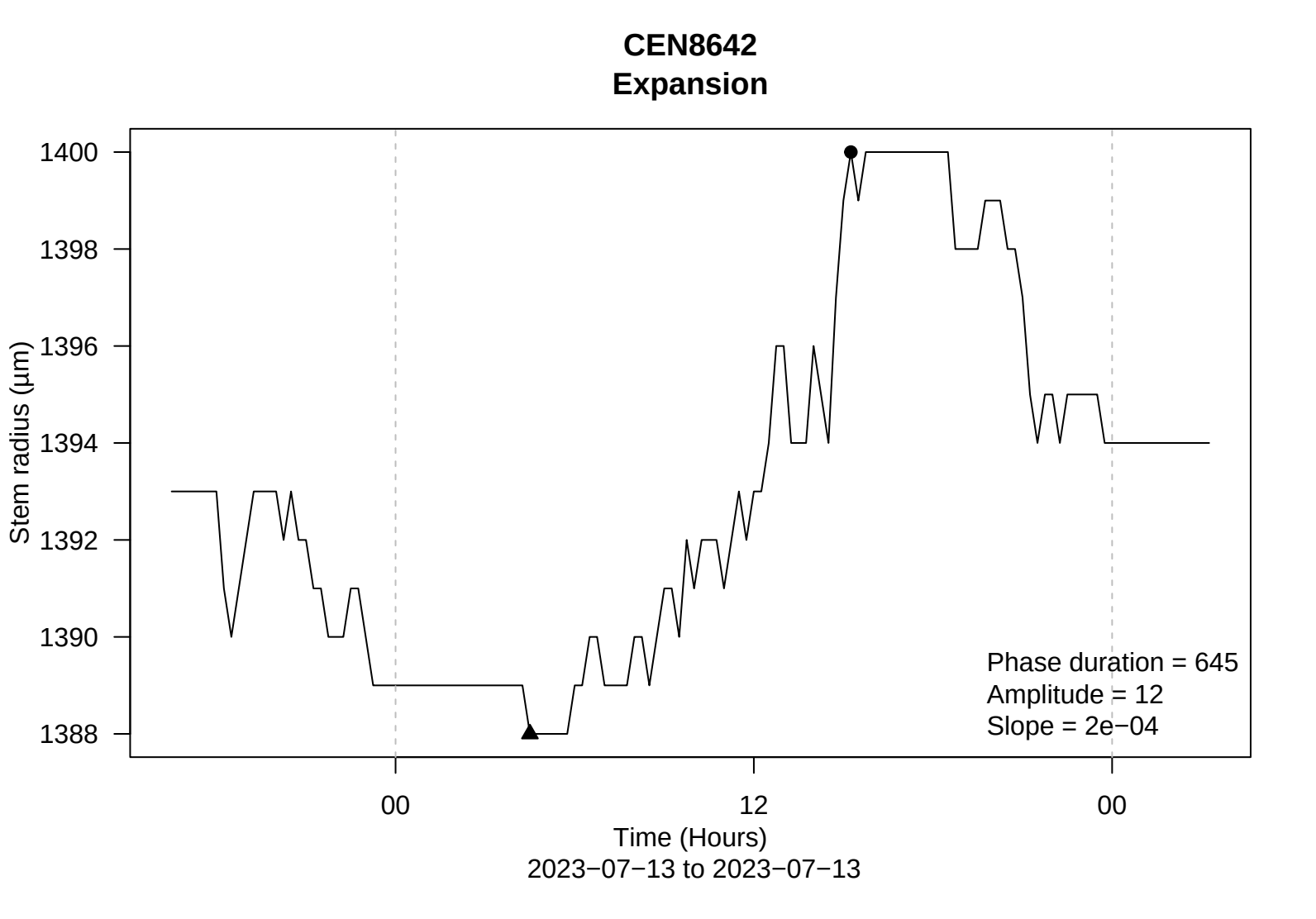

CEN8642
Shrinkage
Stem radius (µm)
1380
1375
1370
1365
1360
Phase duration = 555
Amplitude = −7
Slope = −2e−04
12
00
12
Time (Hours)
2023−07−10 to 2023−07−11

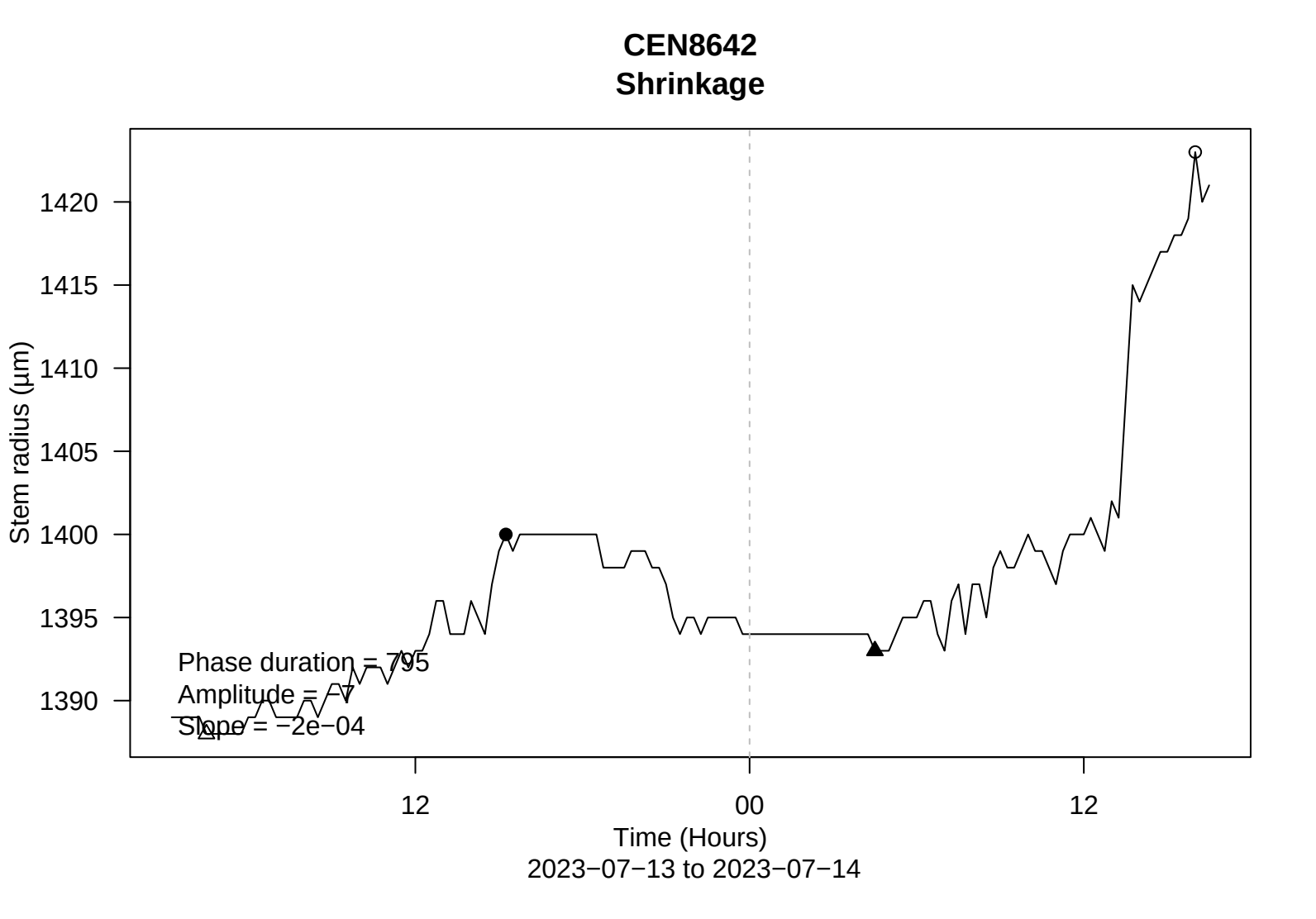

CEN8642
Expansion
Stem radius (µm)
1395
1390
1385
1380
1375
1370
1365
12
00
12
00
Time (Hours)
2023−07−11 to 2023−07−11
Phase duration = 870
Amplitude = 21
Slope = 2e−04

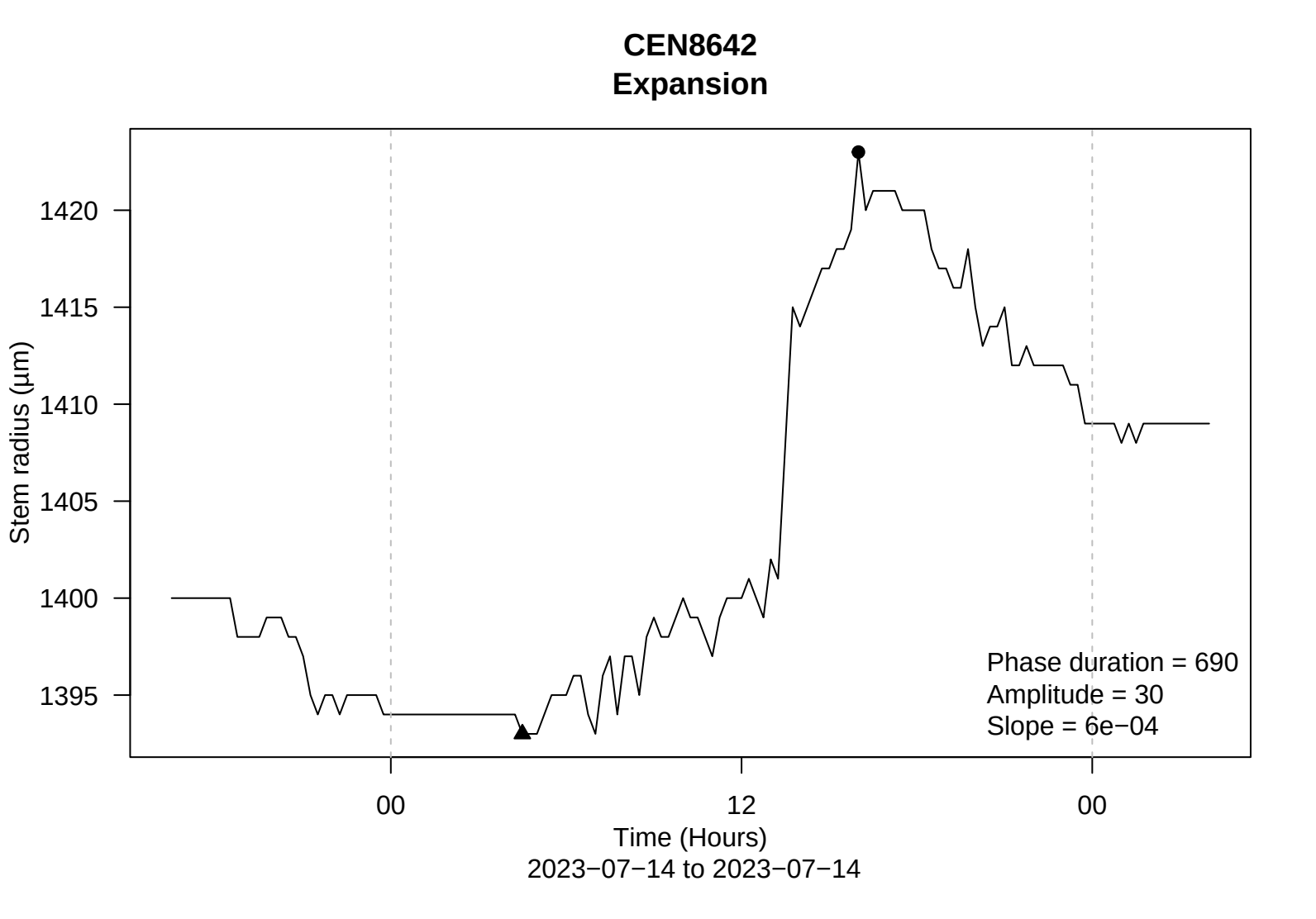

CEN8642
Shrinkage
1395
1390
1385
1380
Stem radius (µm)
Phase duration = 825
Amplitude = −9
Slope = −2e−04
12
00
12
Time (Hours)
2023−07−11 to 2023−07−12

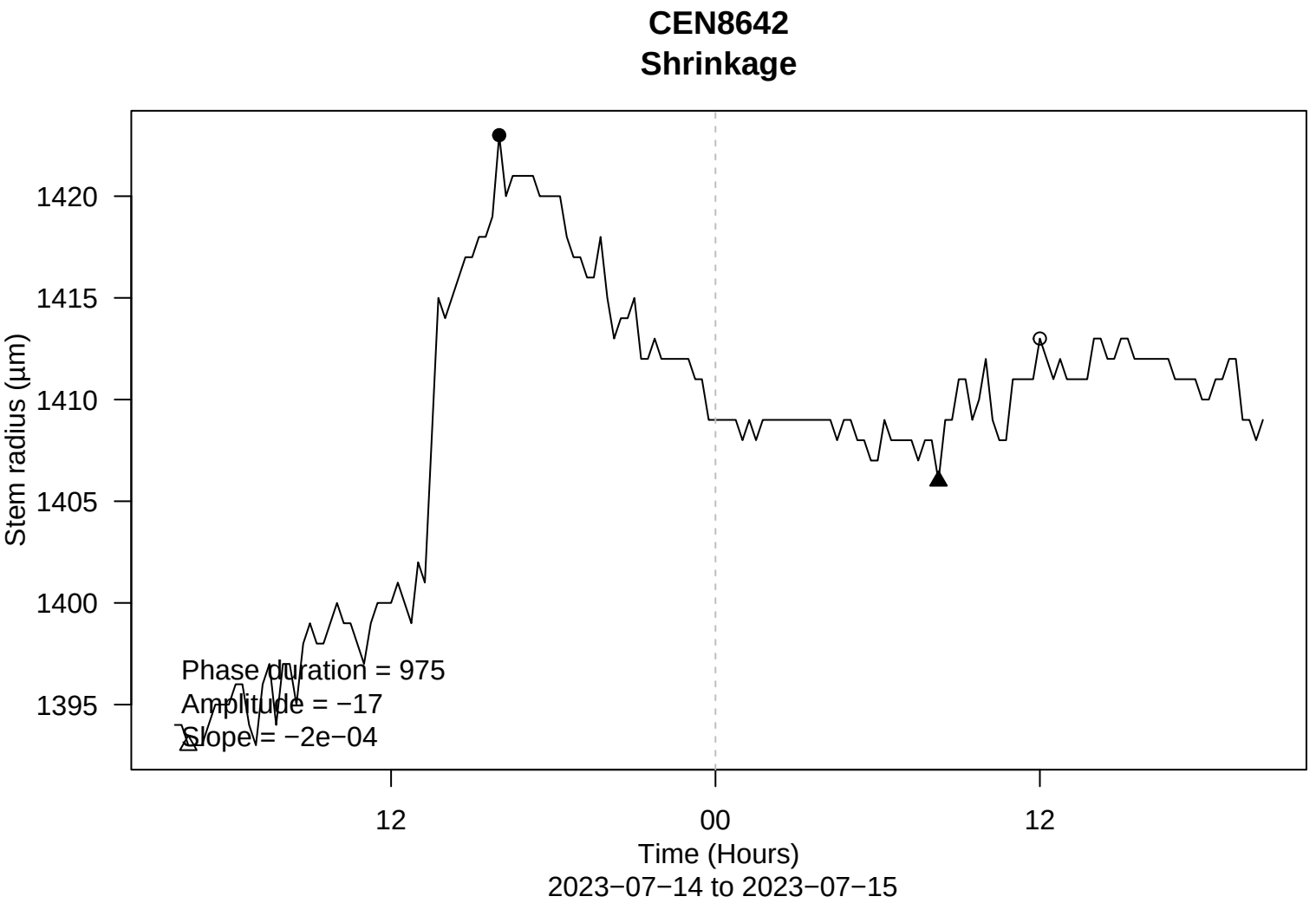

CEN8642
Expansion
1396
1394
1392
1390
1388
Stem radius (µm)
00
12
00
Time (Hours)
2023−07−12 to 2023−07−12
Phase duration = 495
Amplitude = 6
Slope = 1e−04

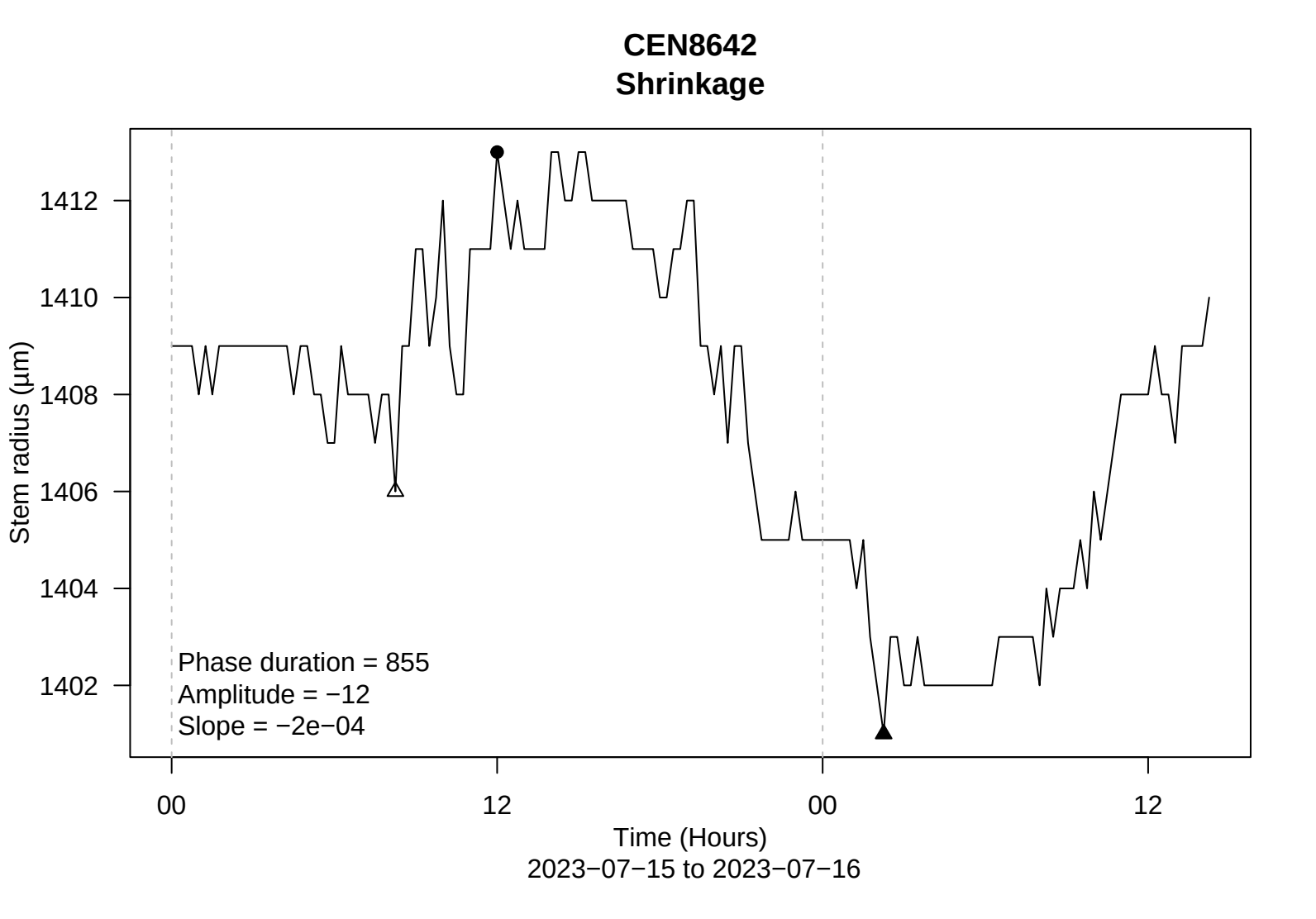

CEN8642
Shrinkage
1400
1398
1396
1394
1392
1390
1388
Stem radius (µm)
Phase duration = 885
Amplitude = −6
Slope = −1e−04
12
00
12
Time (Hours)
2023−07−12 to 2023−07−13

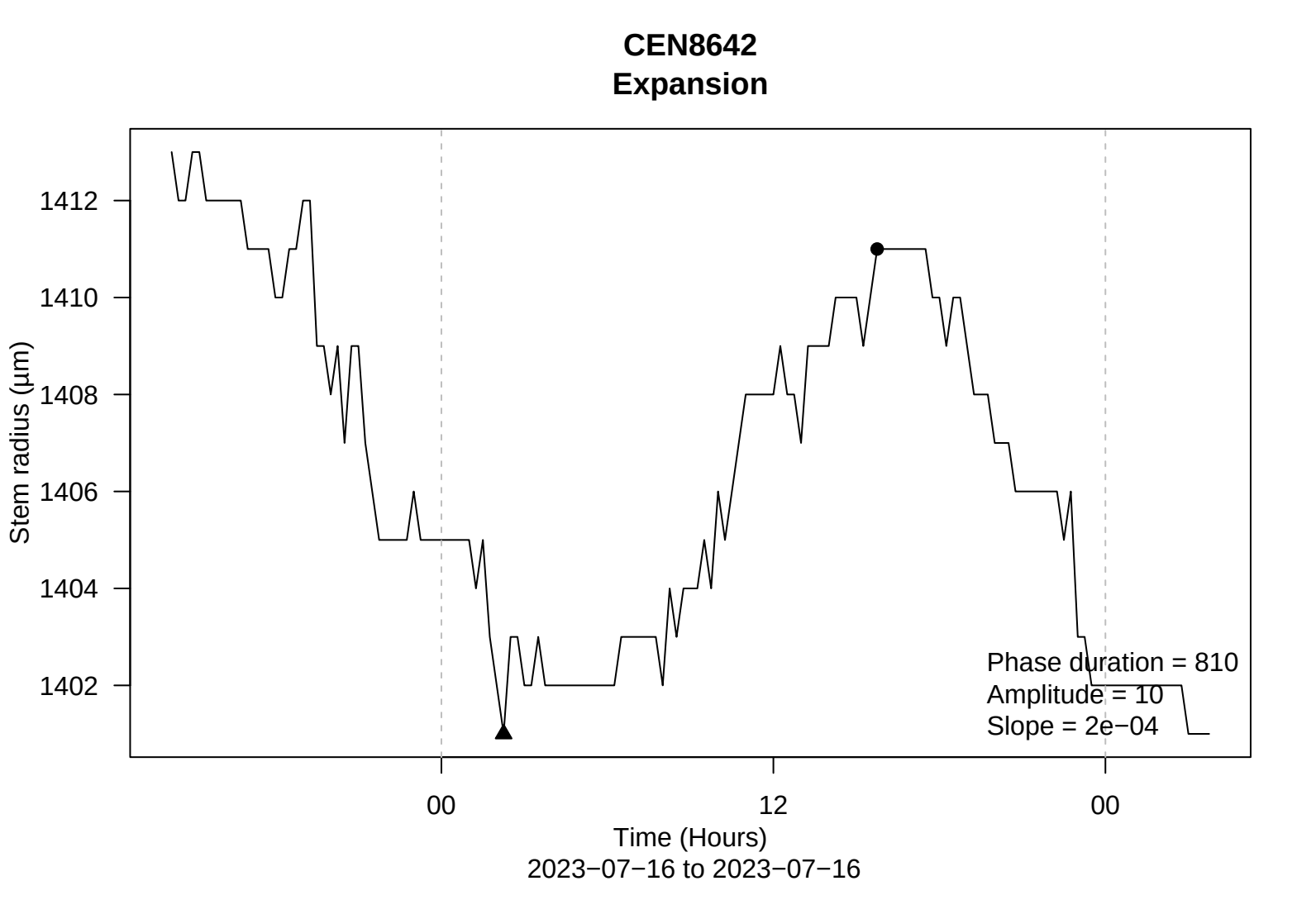

CEN8642
Expansion
1400
1398
1396
1394
1392
1390
1388
Stem radius (µm)
00
12
00
Time (Hours)
2023−07−13 to 2023−07−13
Phase duration = 645
Amplitude = 12
Slope = 2e−04

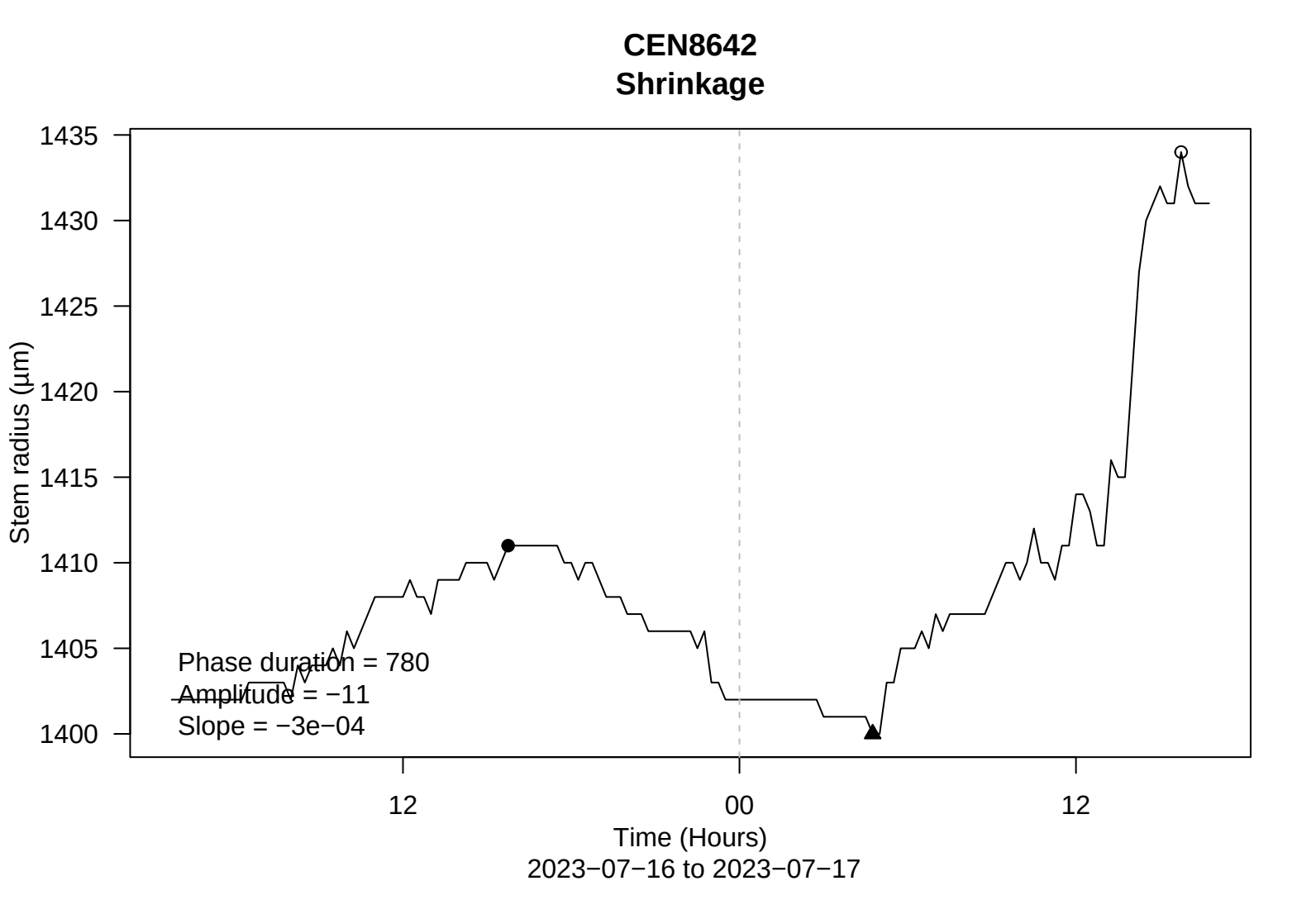

CEN8642
Shrinkage
Stem radius (µm)
1420
1415
1410
1405
1400
1395
1390
Phase duration = 795
Amplitude = −7
Slope = −2e−04
12
00
12
Time (Hours)
2023−07−13 to 2023−07−14

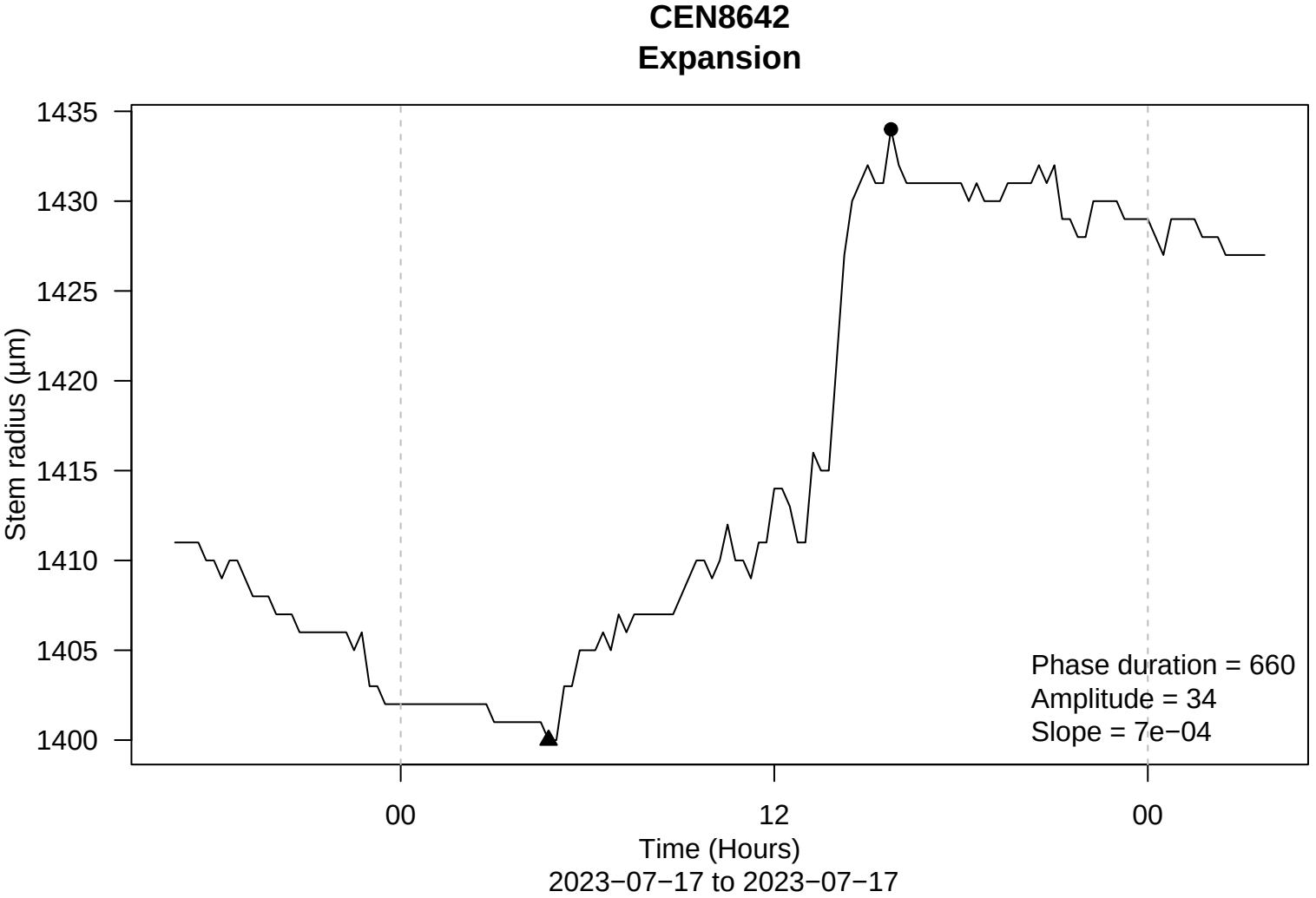

CEN8642
Expansion
1420
1415
1410
1405
1400
1395
Stem radius (µm)
Phase duration = 690
Amplitude = 30
Slope = 6e−04
00
12
00
Time (Hours)
2023−07−14 to 2023−07−14

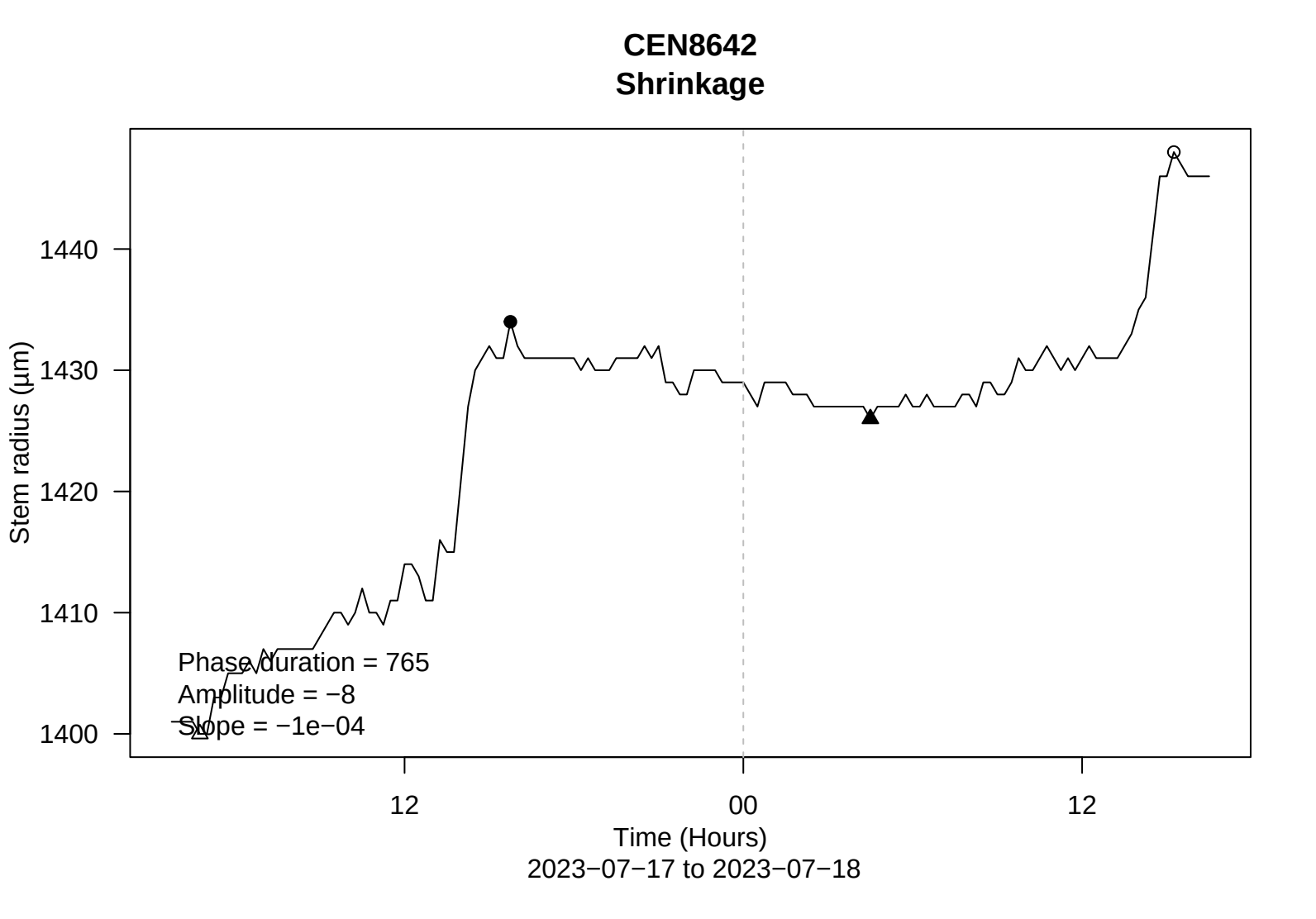

CEN8642
Shrinkage
Stem radius (µm)
1420
1415
1410
1405
1400
1395
Phase duration = 975
Amplitude = −17
Slope = −2e−04
12
00
12
Time (Hours)
2023−07−14 to 2023−07−15

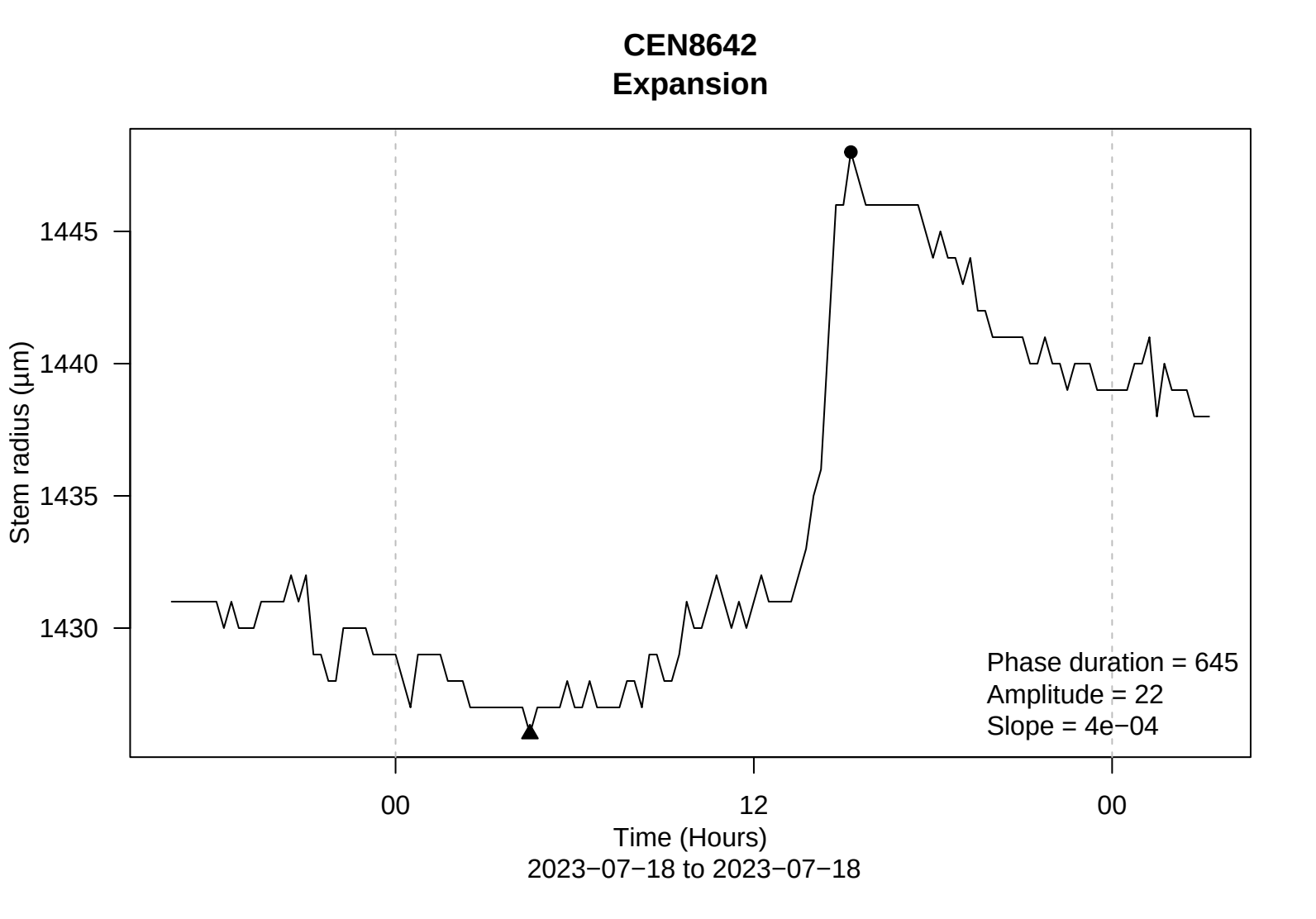

CEN8642
Shrinkage
1412
1410
1408
1406
1404
1402
Stem radius (µm)
Phase duration = 855
Amplitude = −12
Slope = −2e−04
00
12
00
12
Time (Hours)
2023−07−15 to 2023−07−16

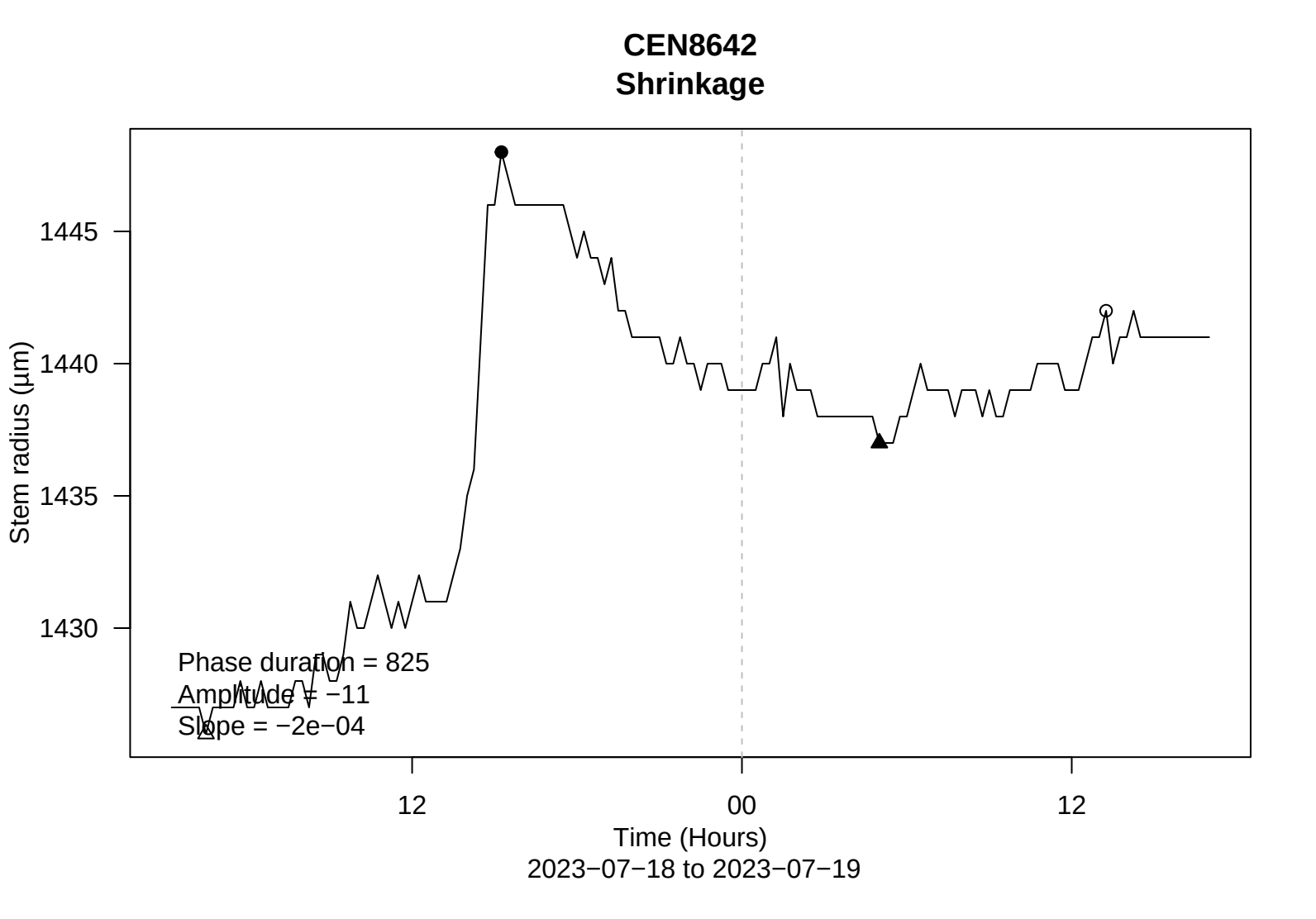

CEN8642
Expansion
1412
1410
1408
1406
1404
1402
Stem radius (µm)
Phase duration = 810
Amplitude = 10
Slope = 2e−04
00
12
00
Time (Hours)
2023−07−16 to 2023−07−16

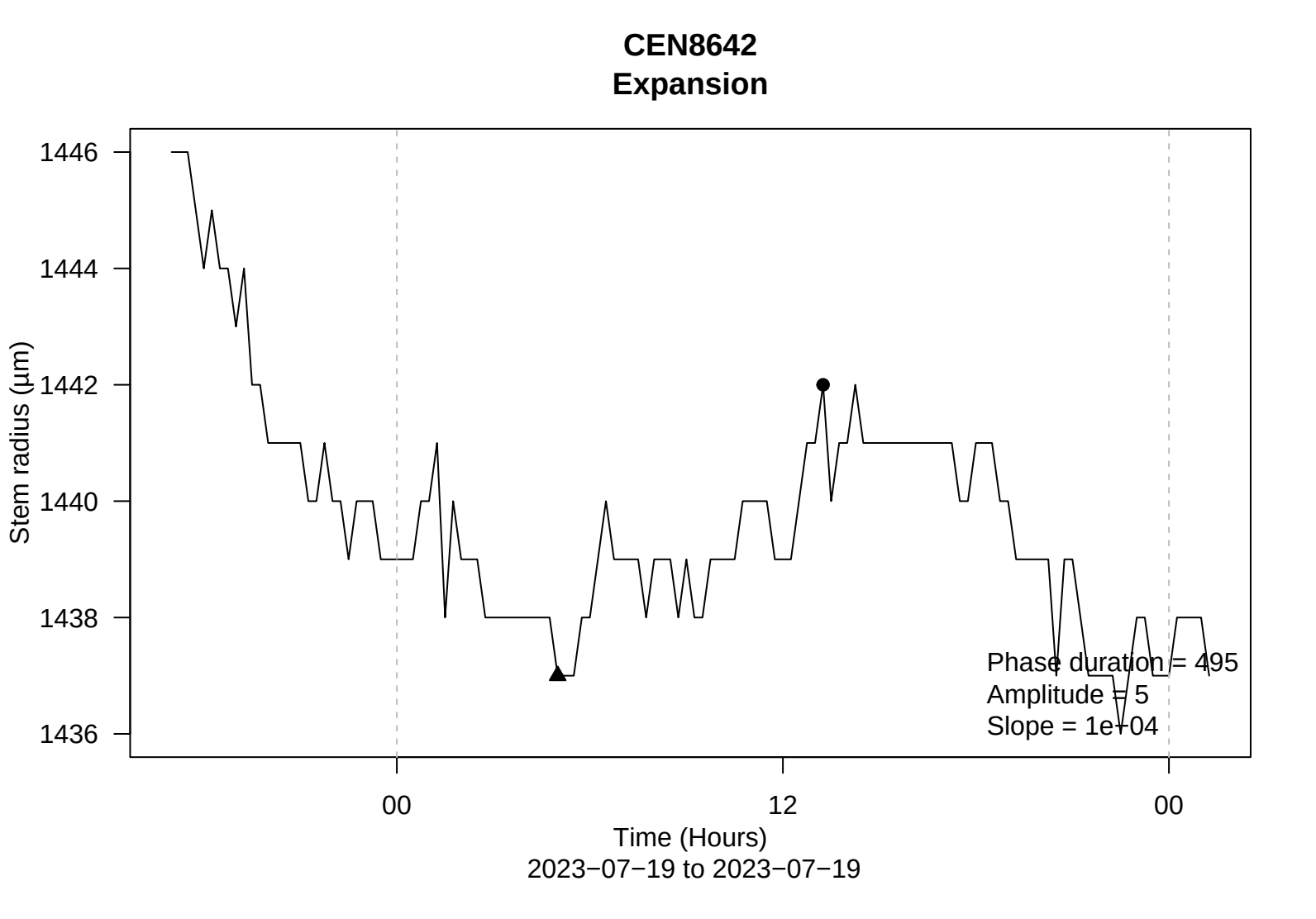

CEN8642
Shrinkage
1435
1430
1425
1420
1415
1410
1405
1400
Stem radius (µm)
Phase duration = 780
Amplitude = −11
Slope = −3e−04
12
00
12
Time (Hours)
2023−07−16 to 2023−07−17

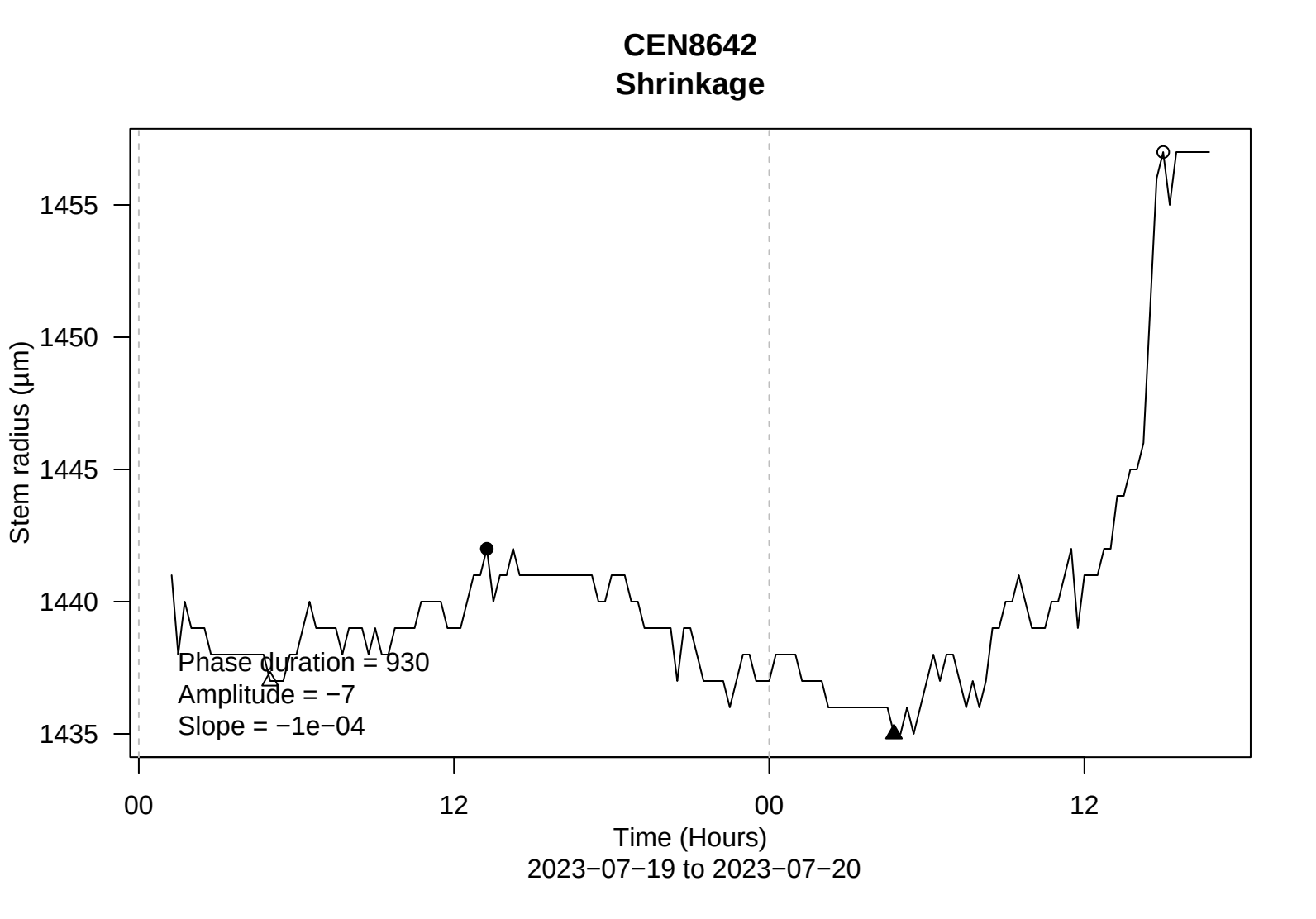

CEN8642
Expansion
1435
1430
1425
1420
1415
1410
1405
1400
Stem radius (µm)
00
12
00
Time (Hours)
2023−07−17 to 2023−07−17
Phase duration = 660
Amplitude = 34
Slope = 7e−04

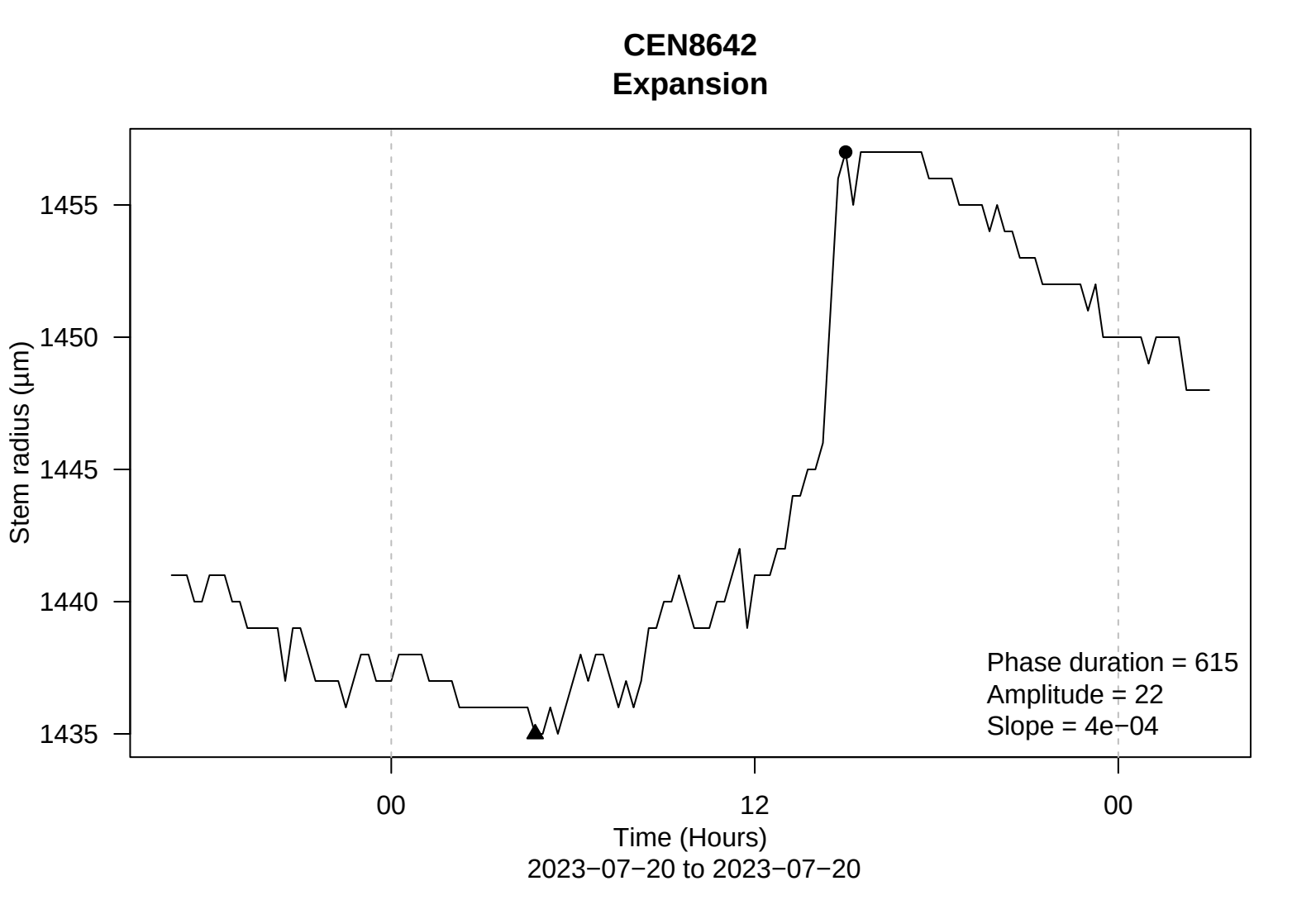

CEN8642
Shrinkage
Stem radius (µm)
1440
1430
1420
1410
1400
Phase duration = 765
Amplitude = −8
Slope = −1e−04
12
00
12
Time (Hours)
2023−07−17 to 2023−07−18

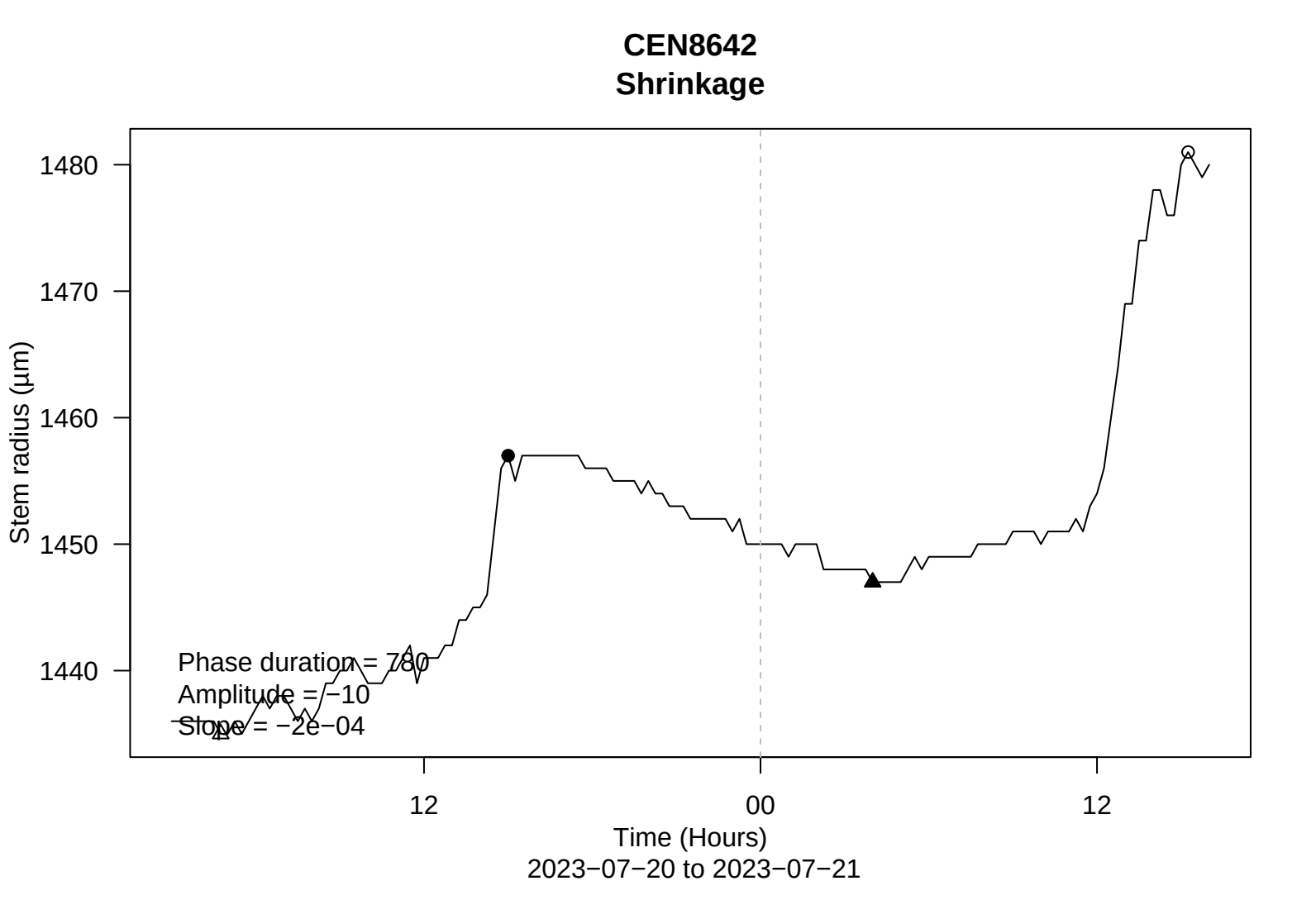

CEN8642
Expansion
1445
1440
1435
1430
Stem radius (µm)
Phase duration = 645
Amplitude = 22
Slope = 4e−04
00
12
00
Time (Hours)
2023−07−18 to 2023−07−18

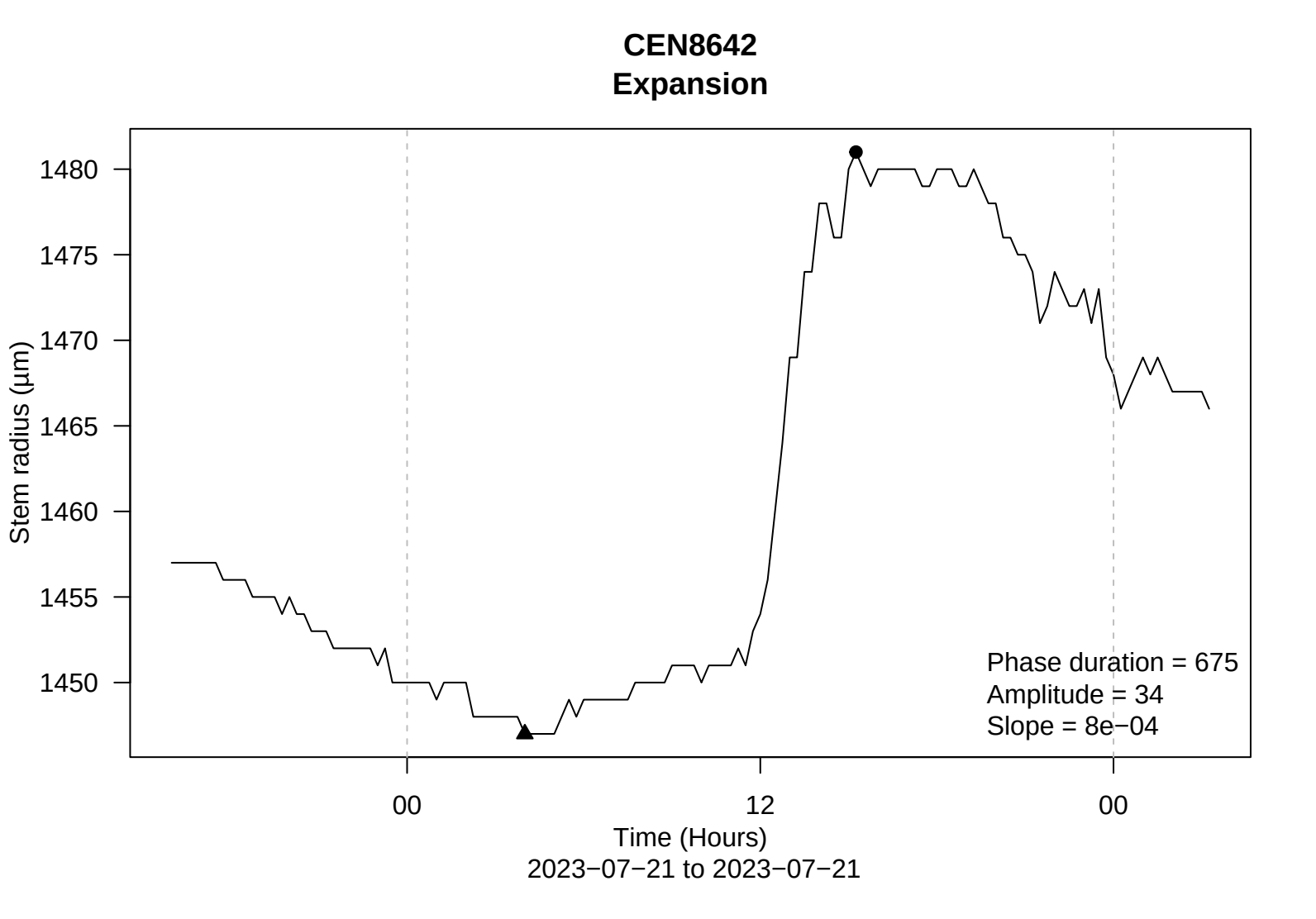

CEN8642
Shrinkage
Stem radius (µm)
1445
1440
1435
1430
Phase duration = 825
Amplitude = −11
Slope = −2e−04
12
00
12
Time (Hours)
2023−07−18 to 2023−07−19

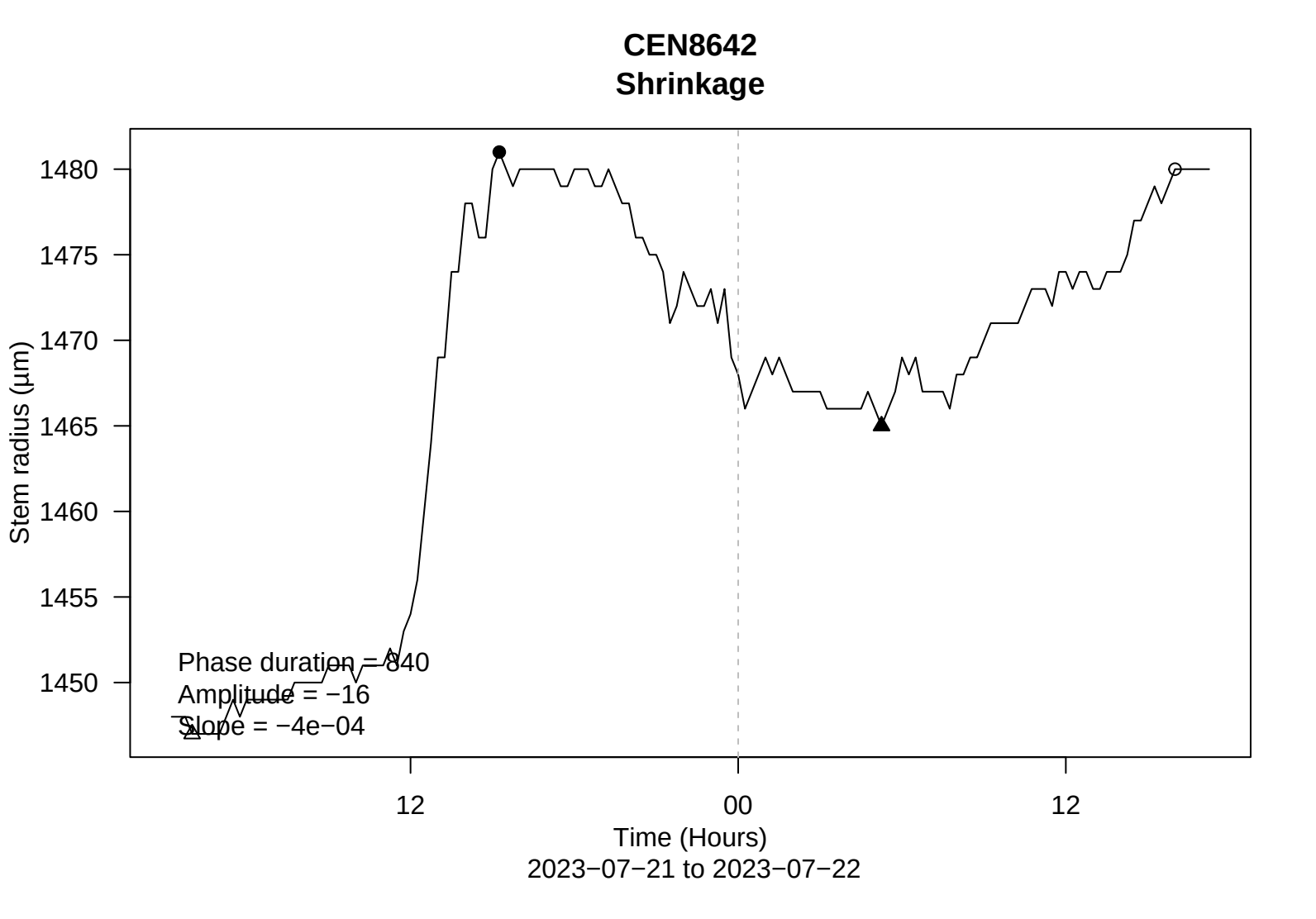

CEN8642
Expansion
1446
1444
1442
1440
1438
1436
Stem radius (µm)
00
12
00
Time (Hours)
2023−07−19 to 2023−07−19
Phase duration = 495
Amplitude = 5
Slope = 1e+04

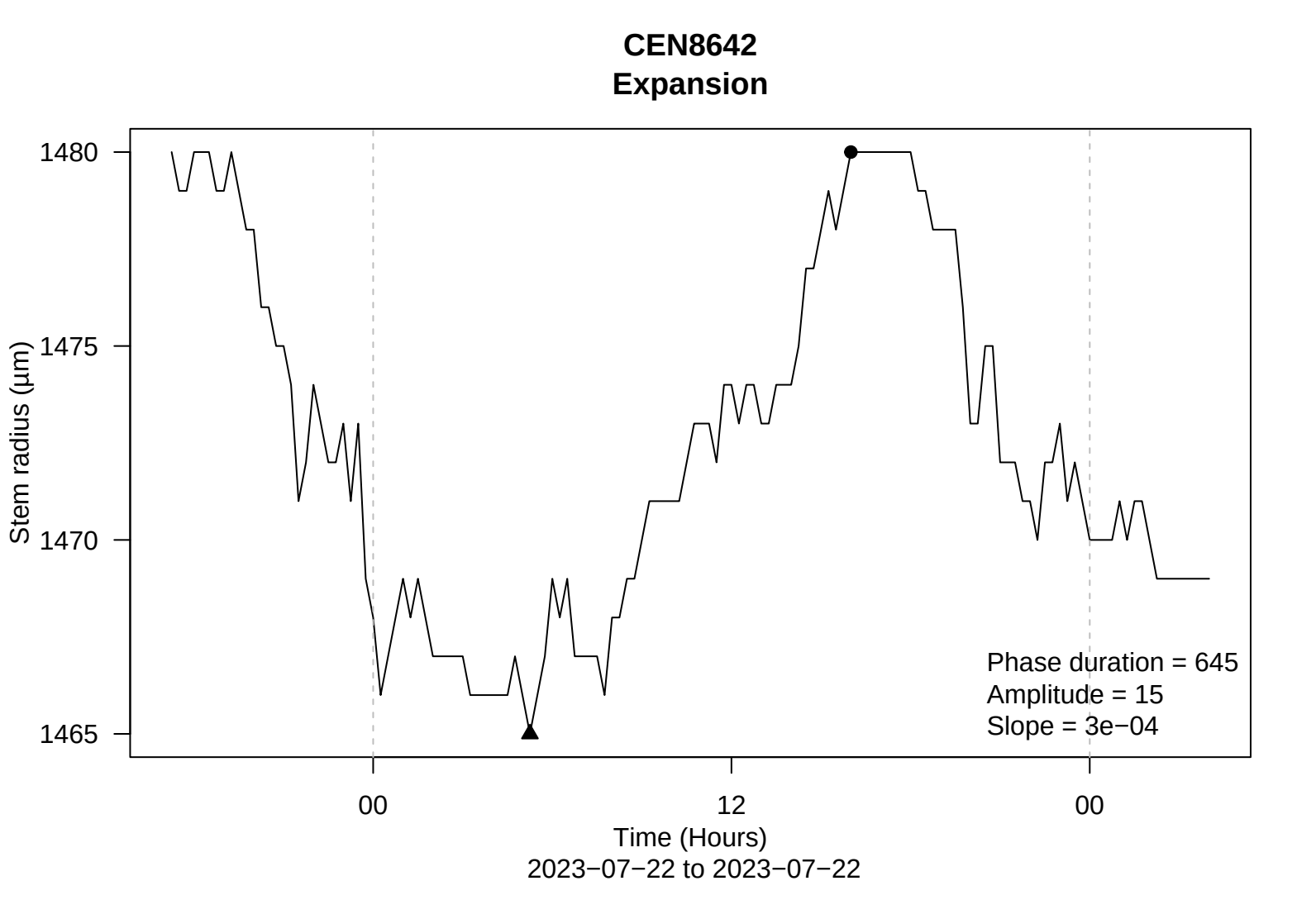

CEN8642
Shrinkage
Stem radius (µm)
1455
1450
1445
1440
1435
Phase duration = 930
Amplitude = −7
Slope = −1e−04
00
12
00
12
Time (Hours)
2023−07−19 to 2023−07−20

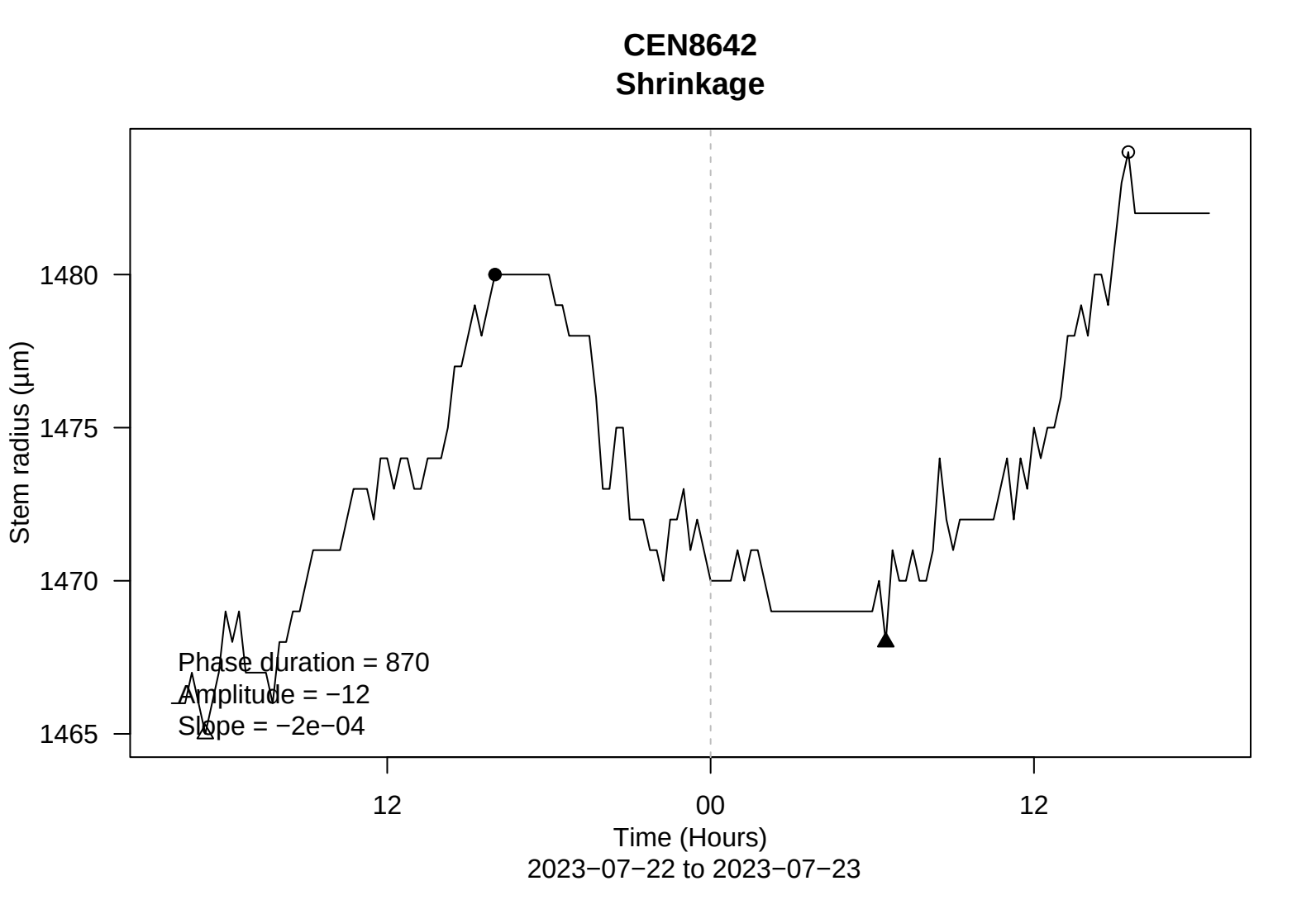

CEN8642
Expansion
1455
1450
1445
1440
1435
Stem radius (µm)
00
12
00
Time (Hours)
2023−07−20 to 2023−07−20
Phase duration = 615
Amplitude = 22
Slope = 4e−04

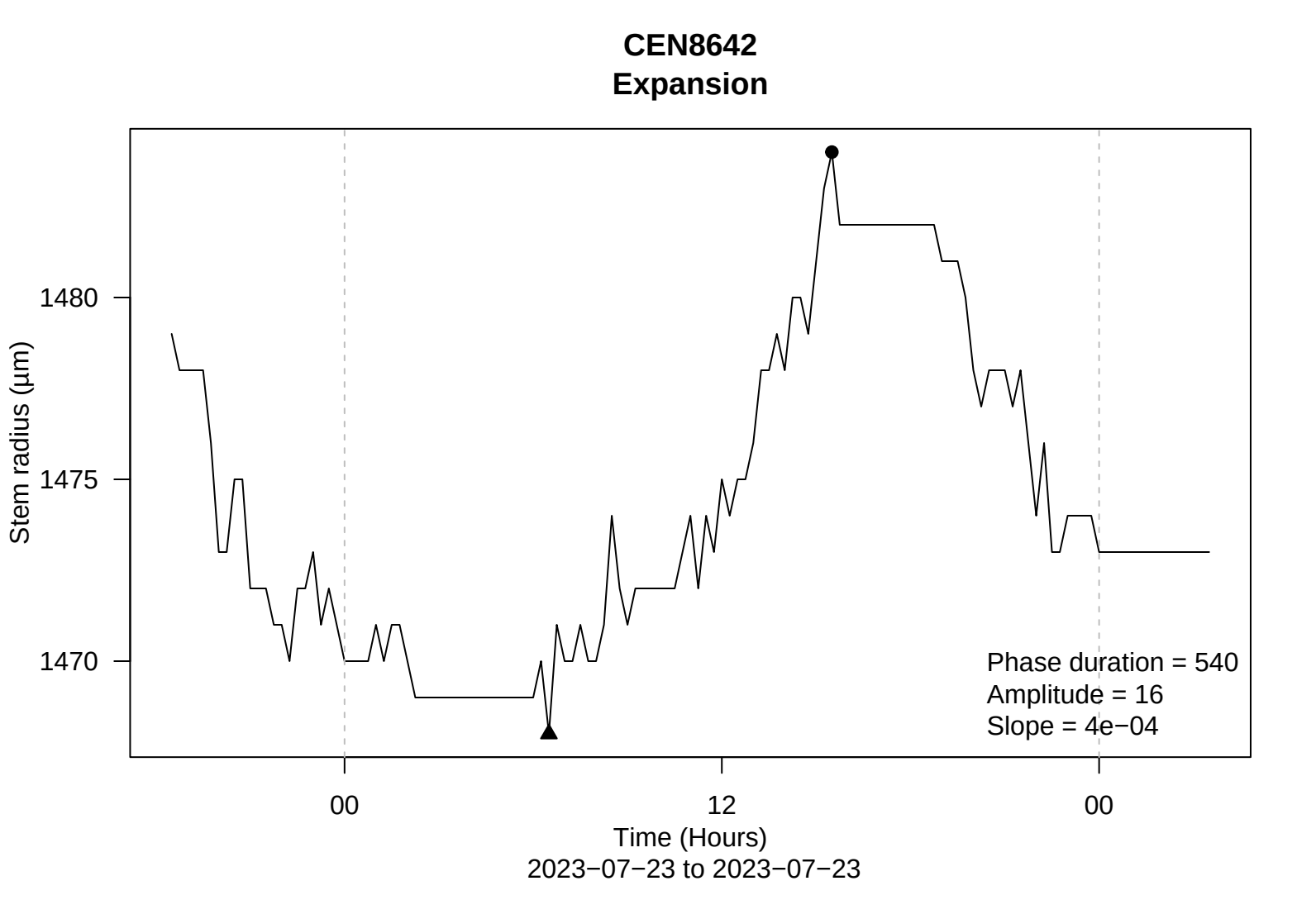

CEN8642
Shrinkage
1480
1470
1460
1450
1440
Stem radius (µm)
Phase duration = 780
Amplitude = −10
Slope = −2e−04
12
00
12
Time (Hours)
2023−07−20 to 2023−07−21

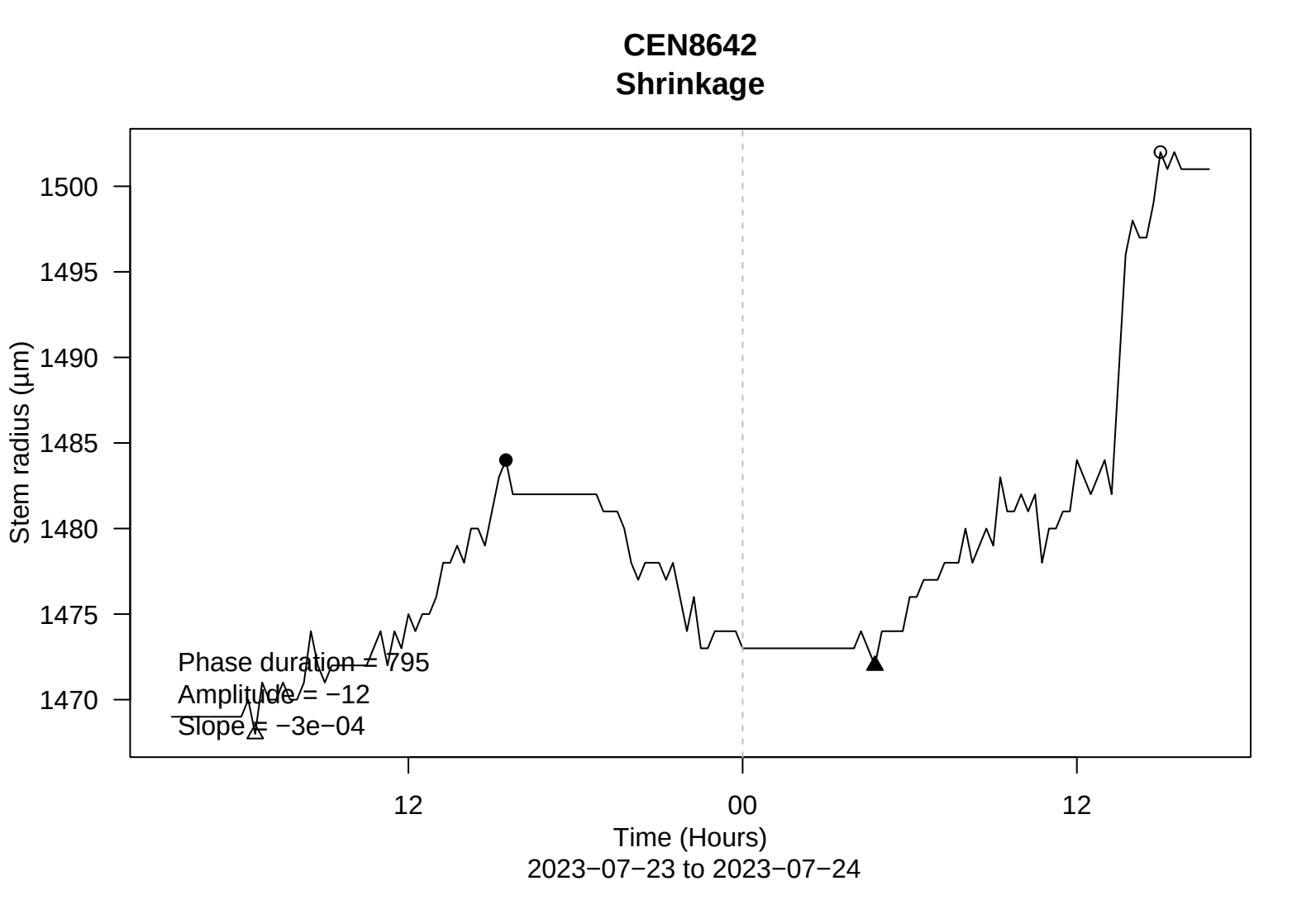

CEN8642
Expansion
1480
1475
1470
1465
1460
1455
1450
Stem radius (µm)
Phase duration = 675
Amplitude = 34
Slope = 8e−04
00
12
00
Time (Hours)
2023−07−21 to 2023−07−21

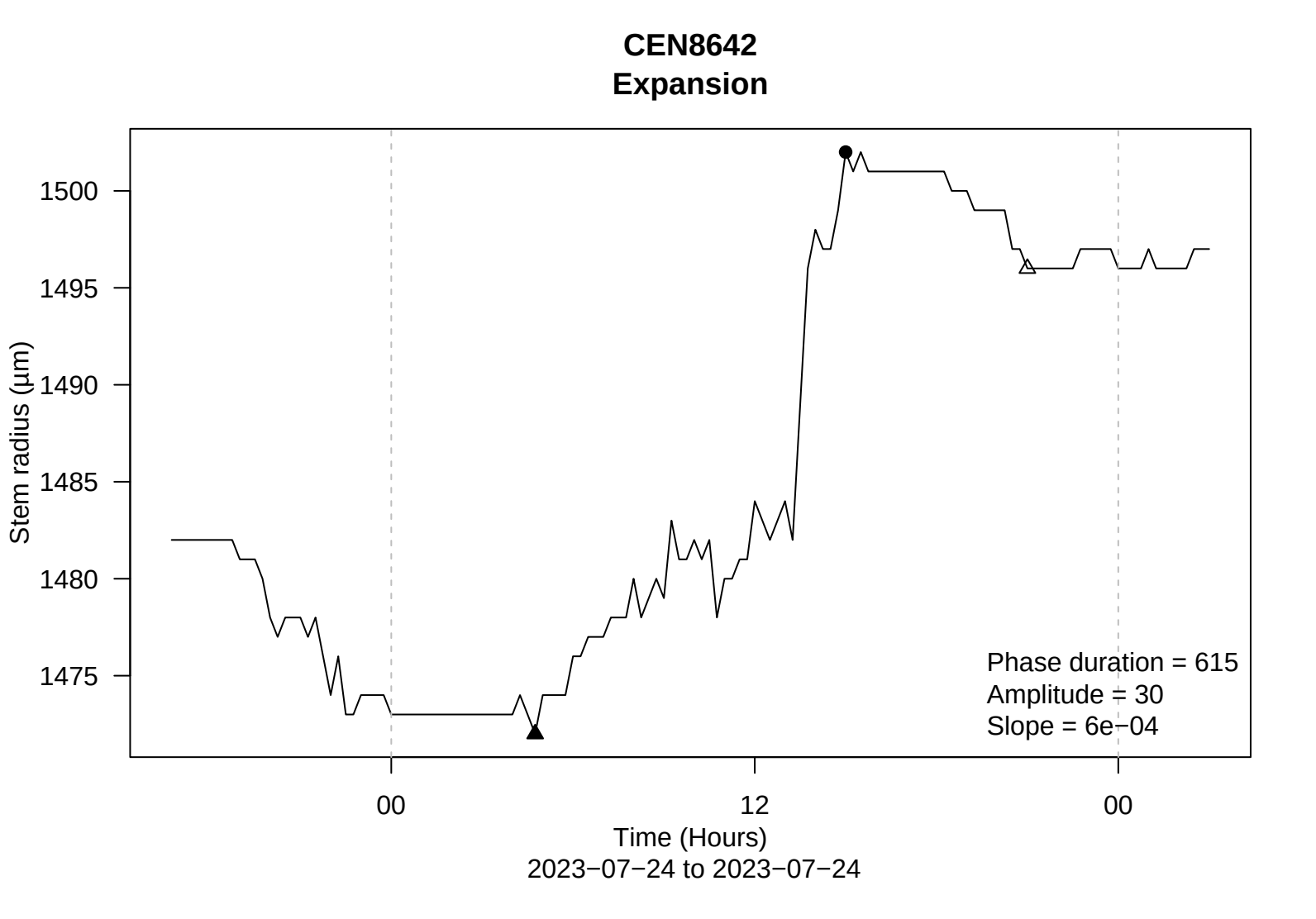

CEN8642
Shrinkage
Stem radius (µm)
1480
1475
1470
1465
1460
1455
1450
Phase duration = 840
Amplitude = −16
Slope = −4e−04
12
00
12
Time (Hours)
2023−07−21 to 2023−07−22

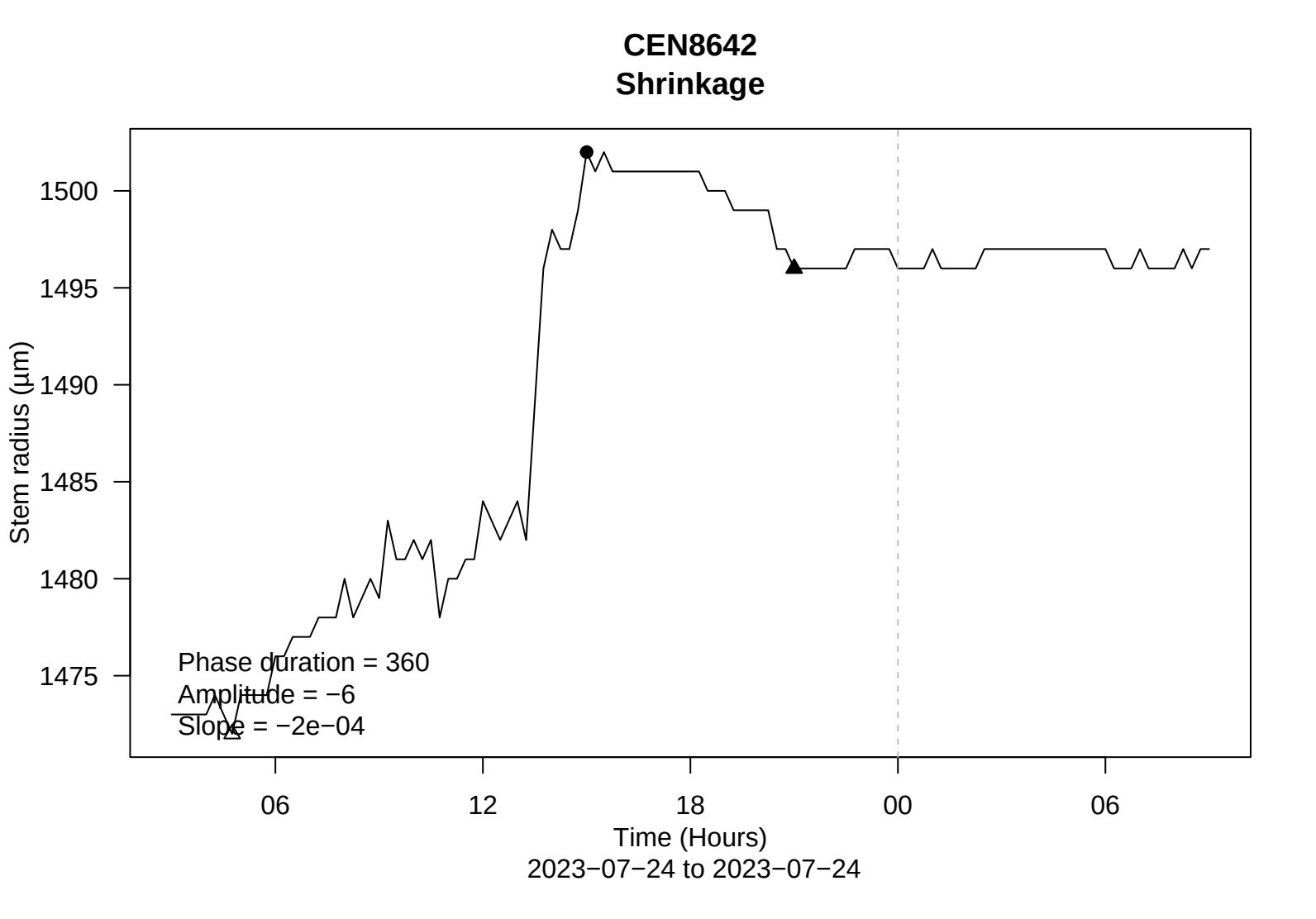

CEN8642
Expansion
1480
1475
1470
1465
Stem radius (µm)
00
12
00
Time (Hours)
2023−07−22 to 2023−07−22
Phase duration = 645
Amplitude = 15
Slope = 3e−04

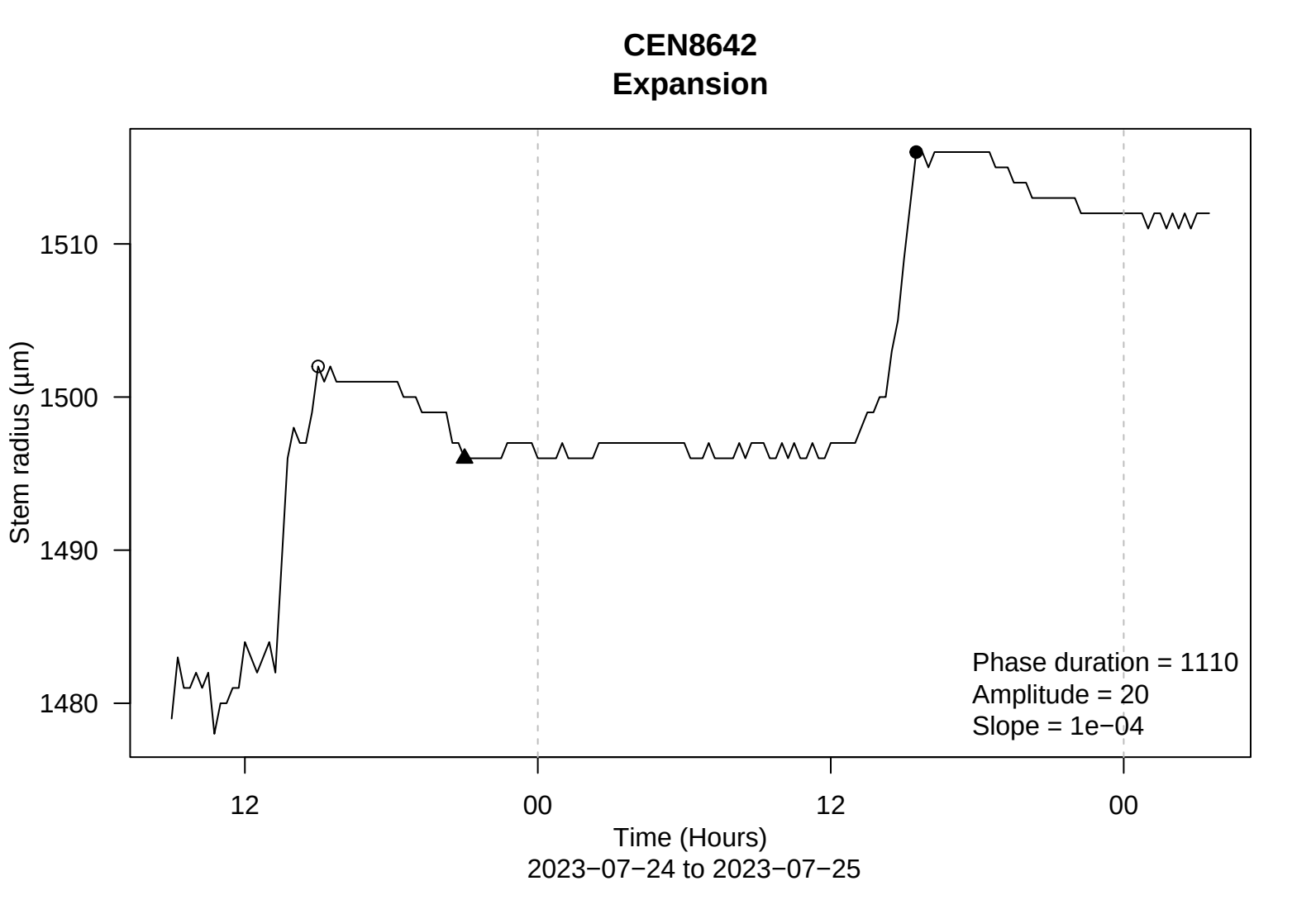

CEN8642
Shrinkage
Stem radius (µm)
1480
1475
1470
1465
Phase duration = 870
Amplitude = −12
Slope = −2e−04
12
00
12
Time (Hours)
2023−07−22 to 2023−07−23

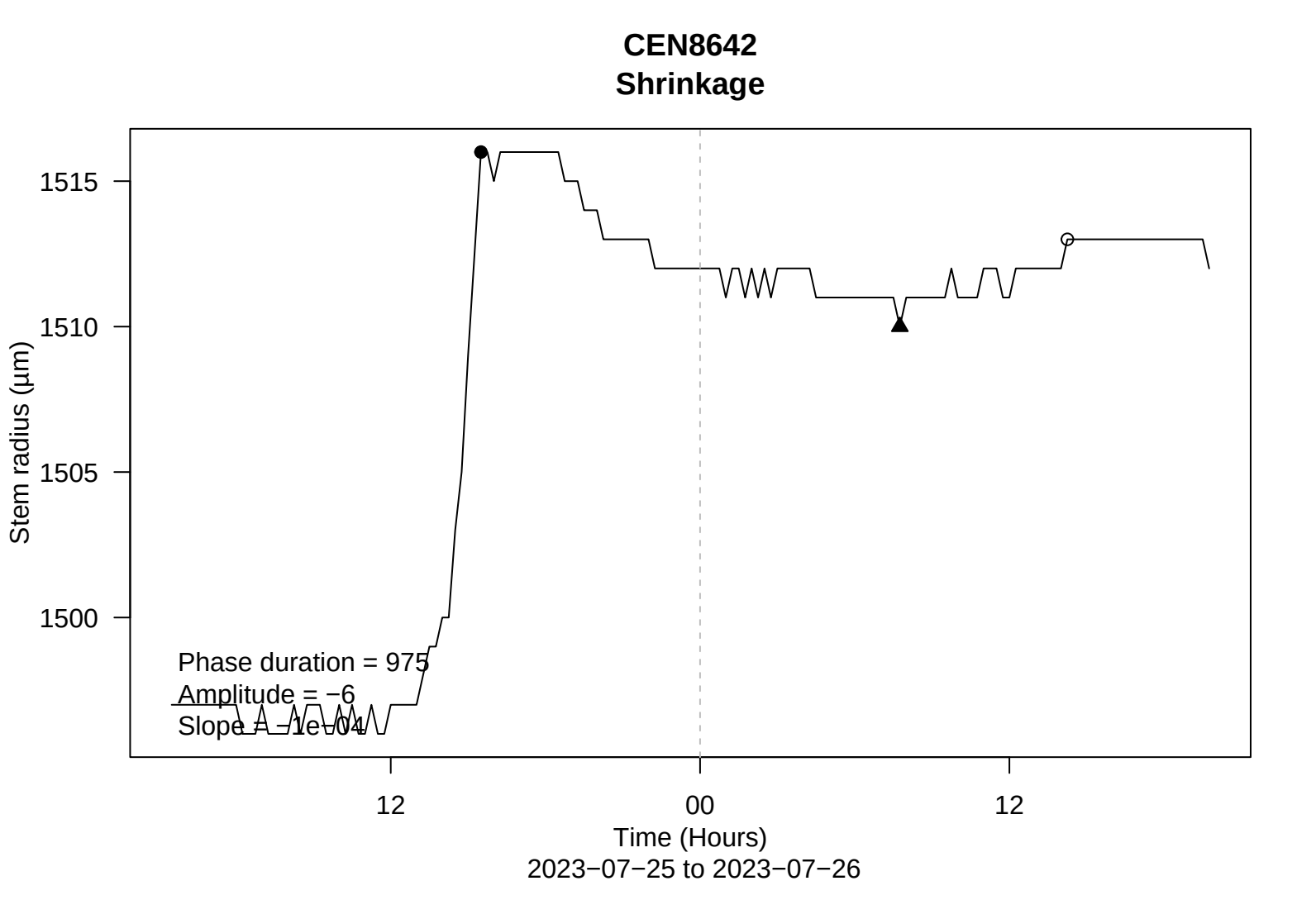

CEN8642
Expansion
1480
1475
1470
Stem radius (µm)
Phase duration = 540
Amplitude = 16
Slope = 4e−04
00
12
00
Time (Hours)
2023−07−23 to 2023−07−23

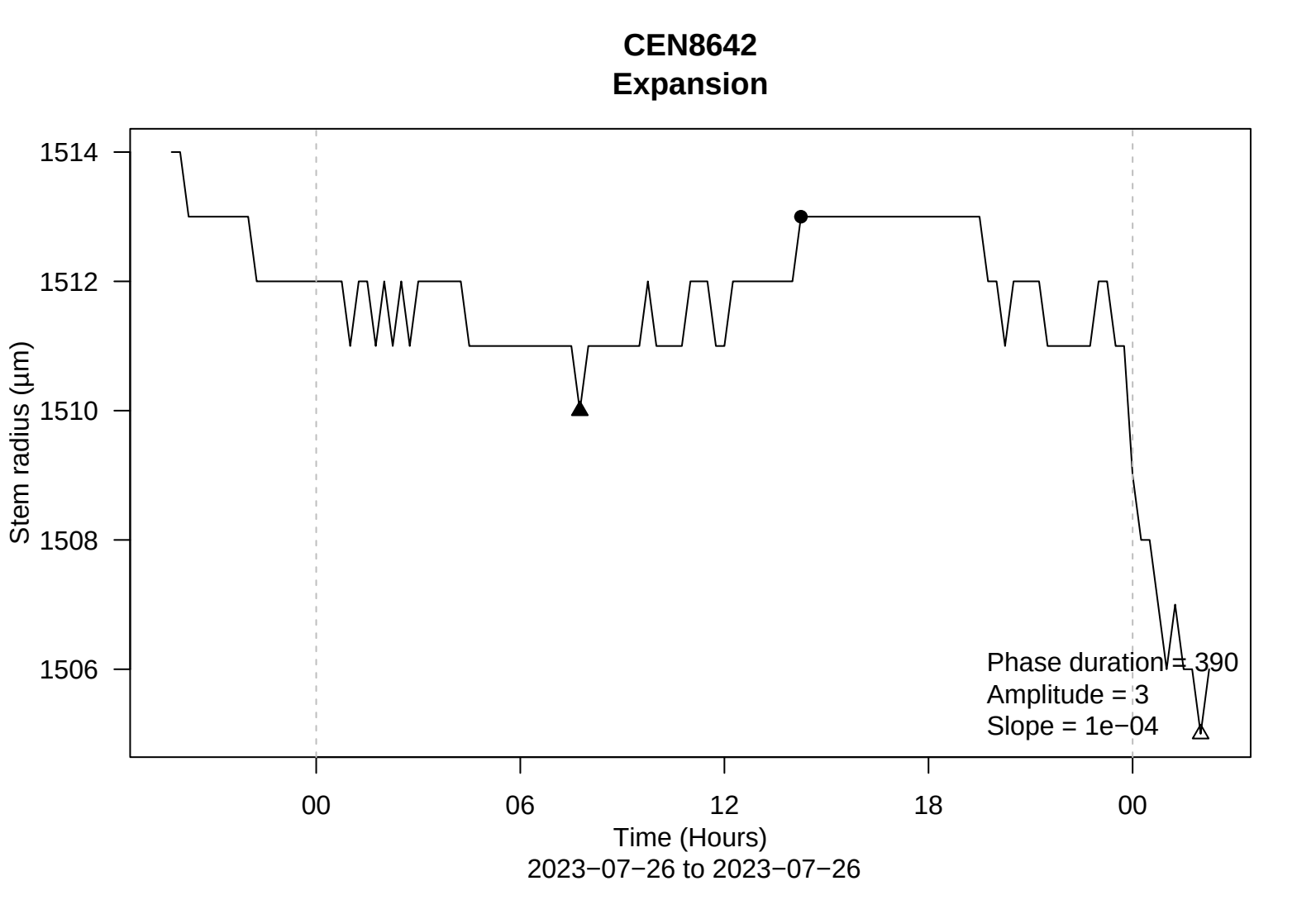

CEN8642
Shrinkage
Stem radius (µm)
1500
1495
1490
1485
1480
1475
1470
Phase duration = 795
Amplitude = −12
Slope = −3e−04
12
00
12
Time (Hours)
2023−07−23 to 2023−07−24

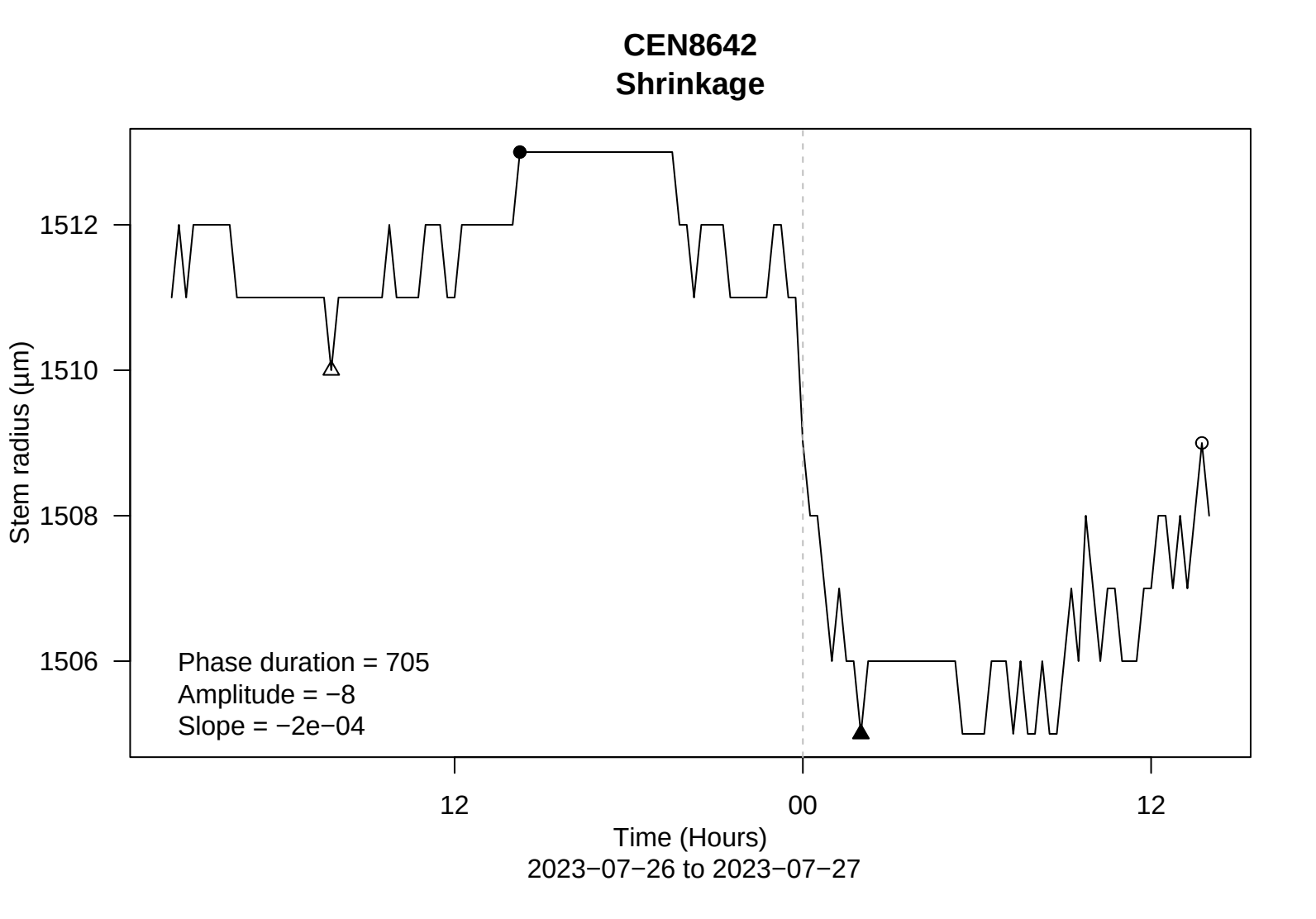

CEN8642
Expansion
1500
1495
1490
1485
1480
1475
Stem radius (µm)
Phase duration = 615
Amplitude = 30
Slope = 6e−04
00
12
00
Time (Hours)
2023−07−24 to 2023−07−24

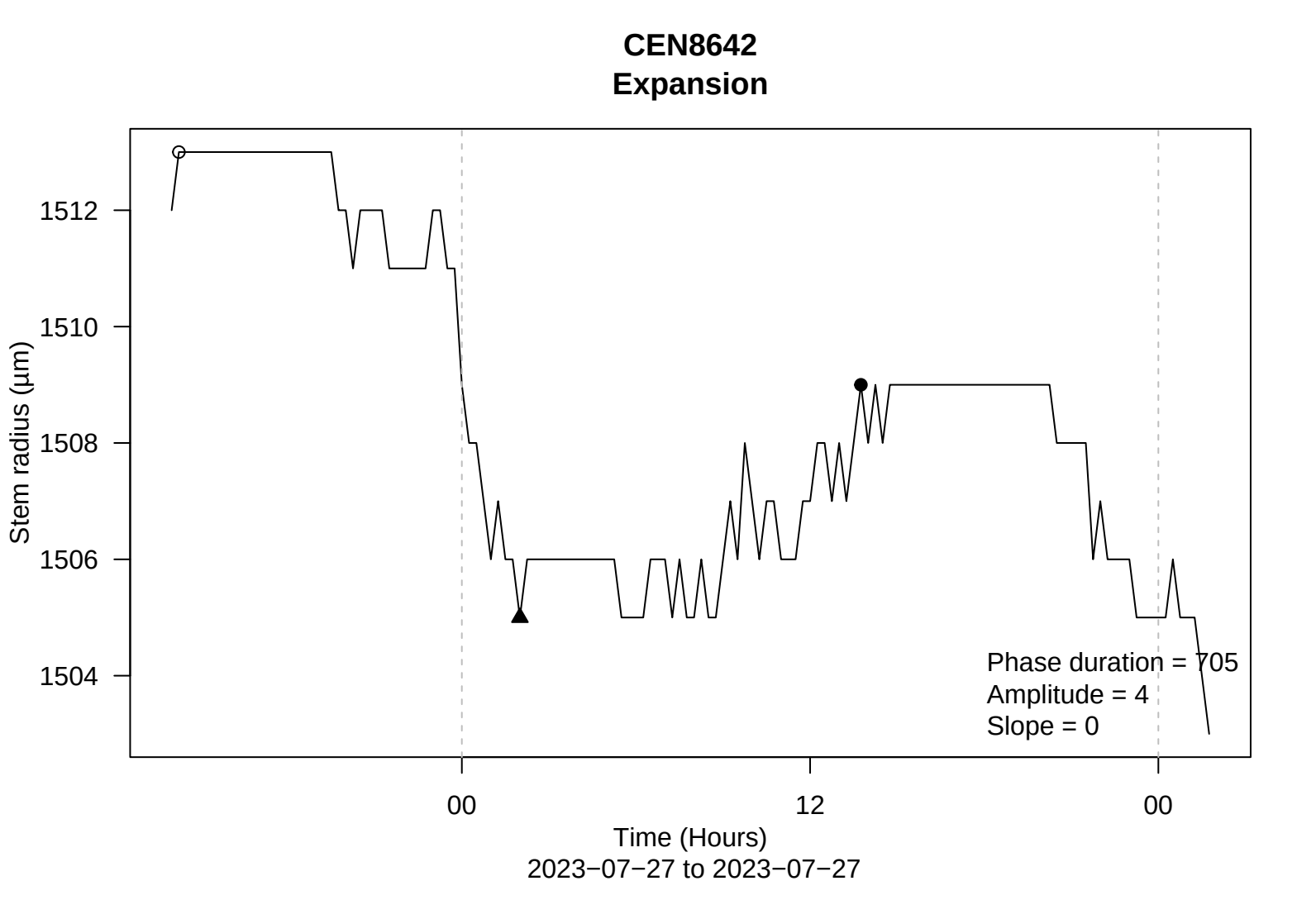

CEN8642
Shrinkage
1500
1495
1490
1485
1480
1475
Stem radius (µm)
Phase duration = 360
Amplitude = −6
Slope = −2e−04
06
12
18
00
06
Time (Hours)
2023−07−24 to 2023−07−24

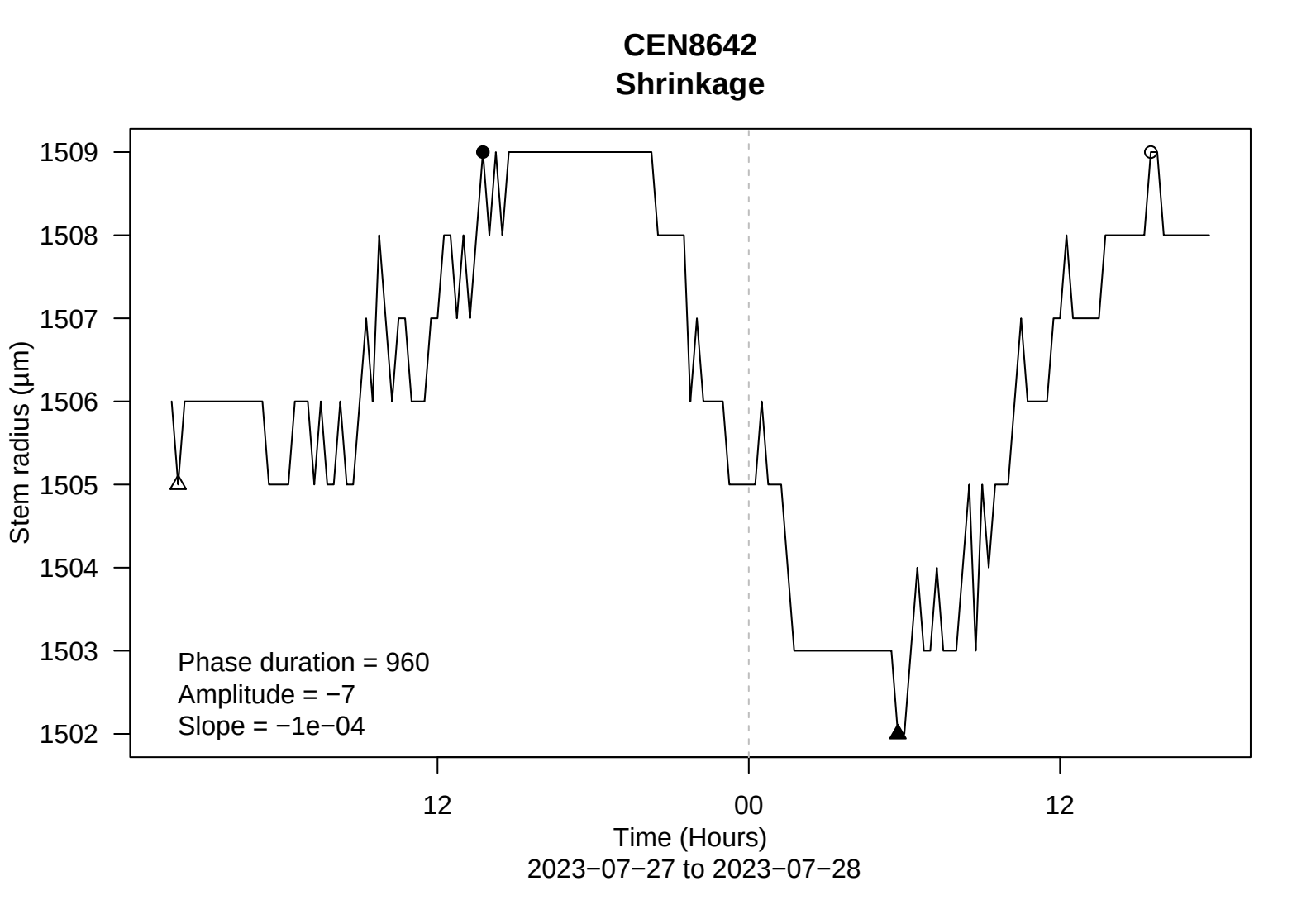

CEN8642
Expansion
1510
1500
1490
1480
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−07−24 to 2023−07−25
Phase duration = 1110
Amplitude = 20
Slope = 1e−04

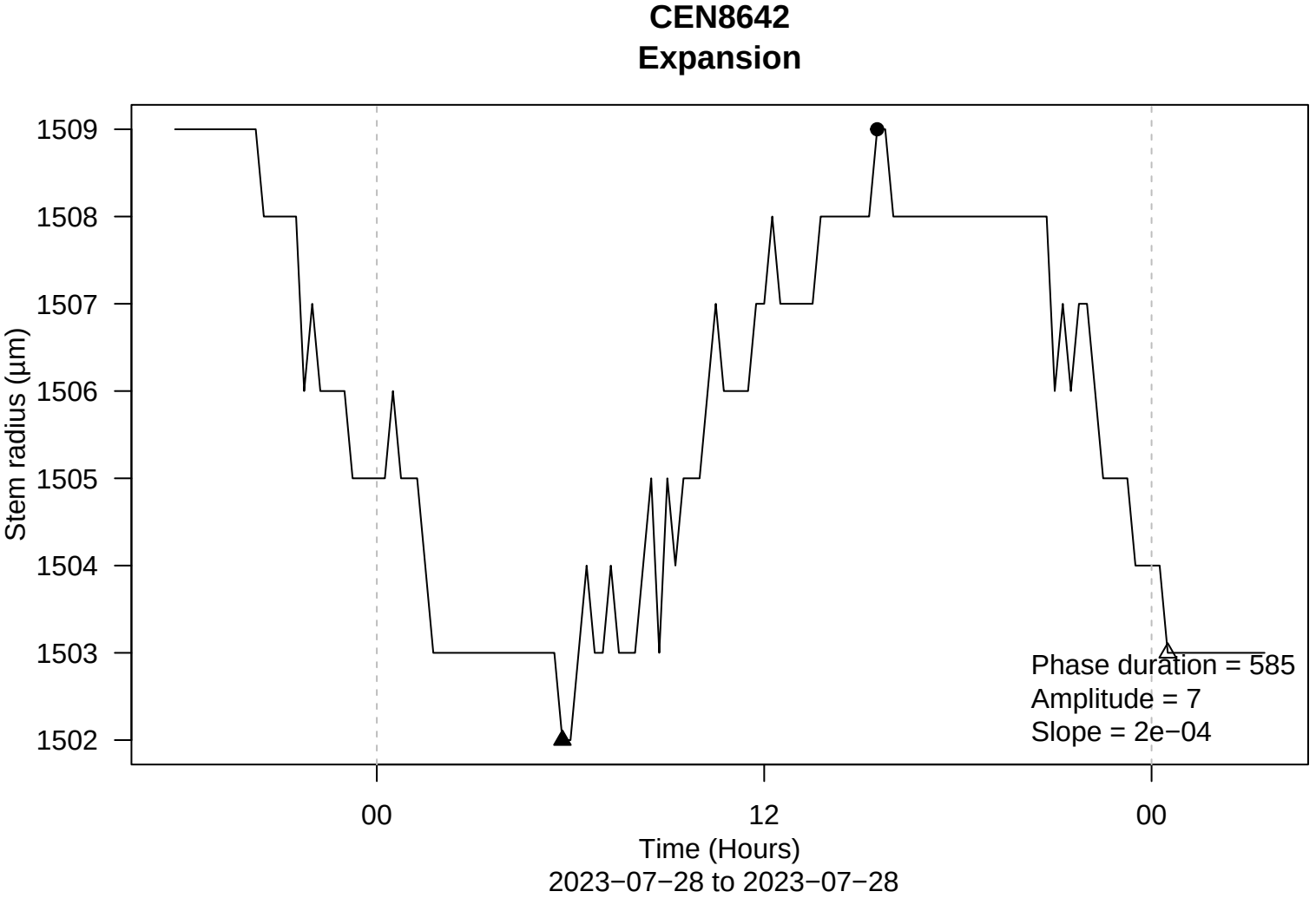

CEN8642
Shrinkage
1515
1510
1505
1500
Stem radius (µm)
Phase duration = 975
Amplitude = −6
Slope = −1e−04
12
00
12
Time (Hours)
2023−07−25 to 2023−07−26

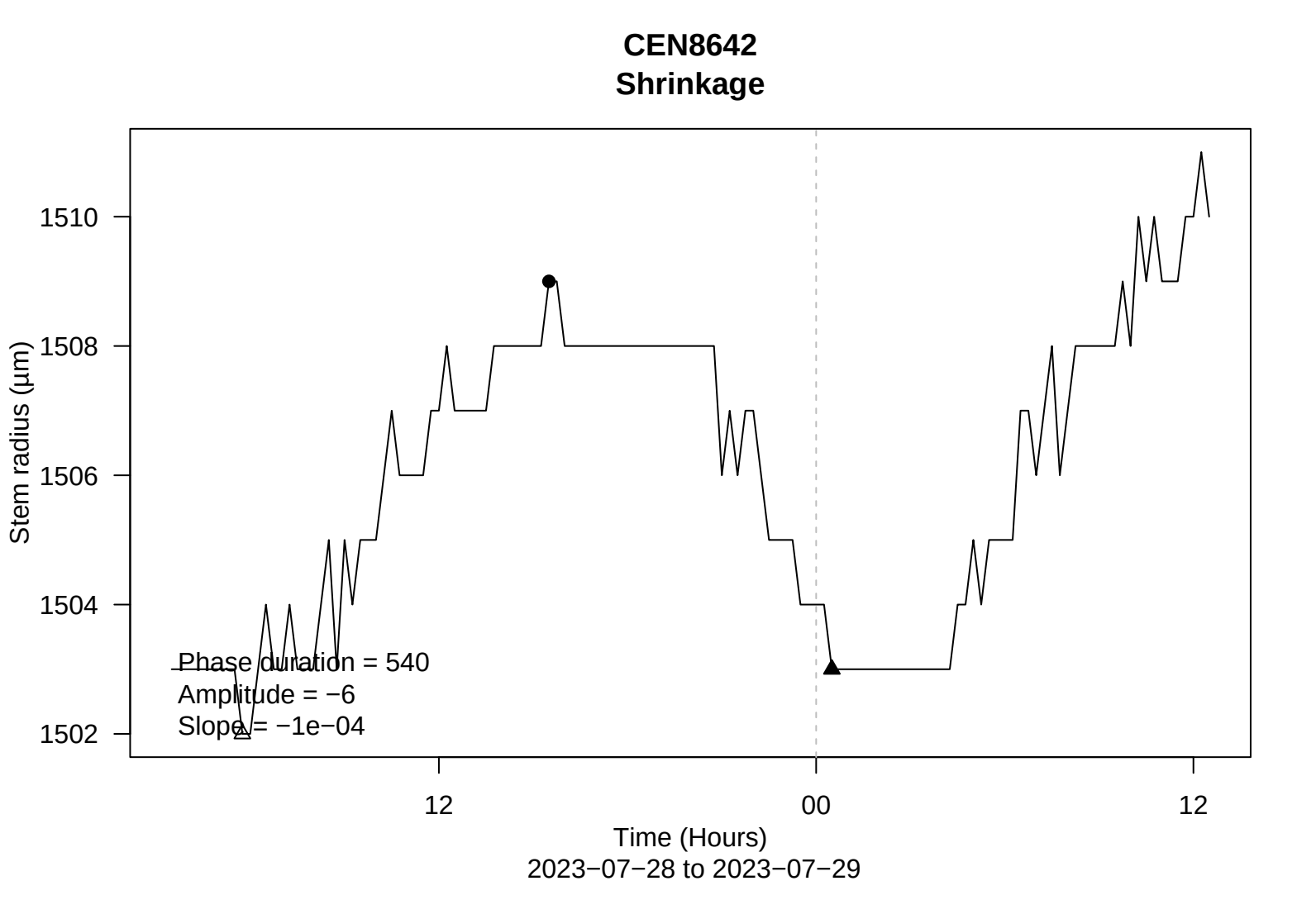

CEN8642
Expansion
1514
1512
1510
1508
1506
Stem radius (µm)
Phase duration = 390
Amplitude = 3
Slope = 1e−04
00
06
12
18
00
Time (Hours)
2023−07−26 to 2023−07−26

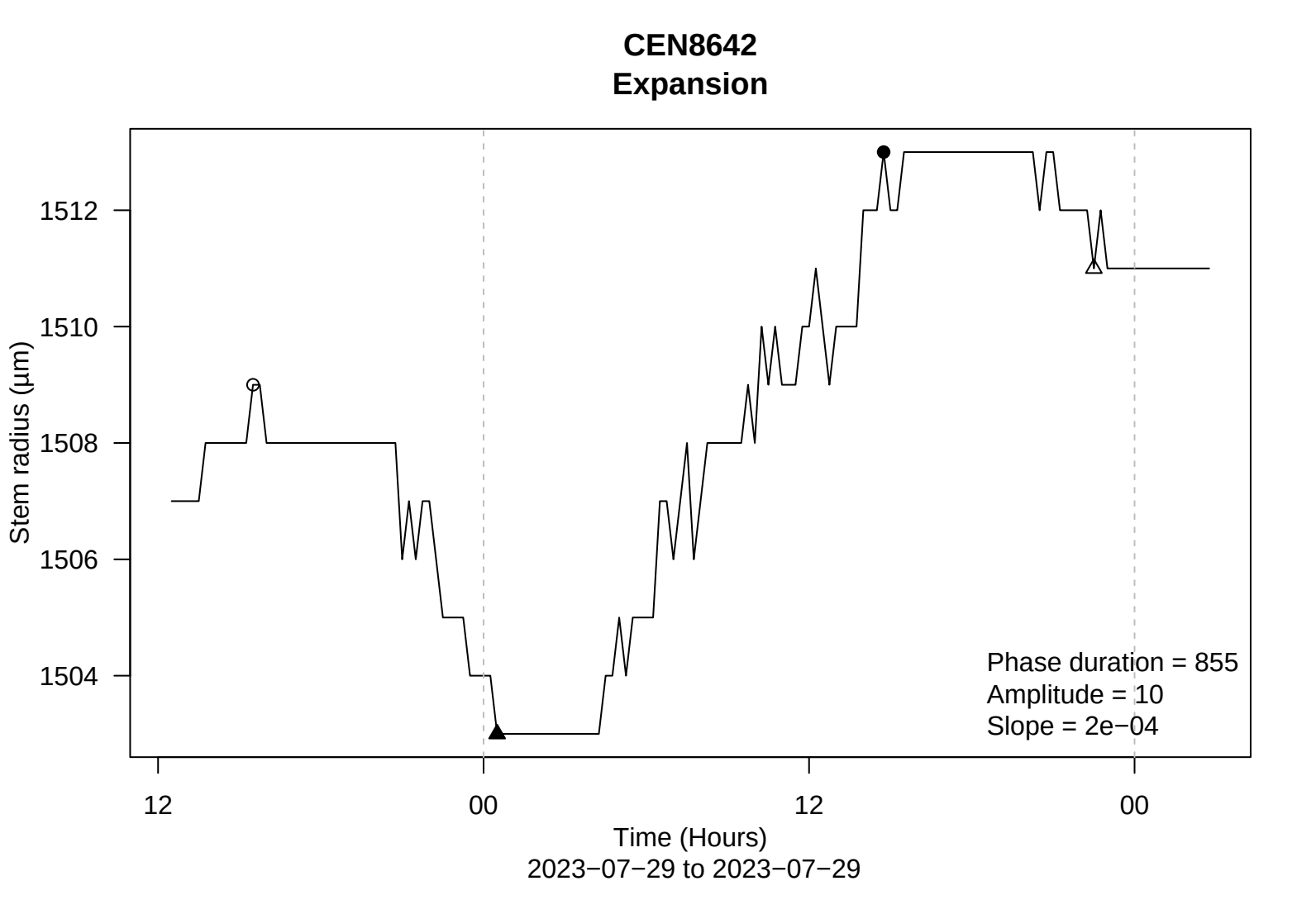

CEN8642
Shrinkage
1512
1510
1508
1506
Stem radius (µm)
Phase duration = 705
Amplitude = −8
Slope = −2e−04
12
00
12
Time (Hours)
2023−07−26 to 2023−07−27

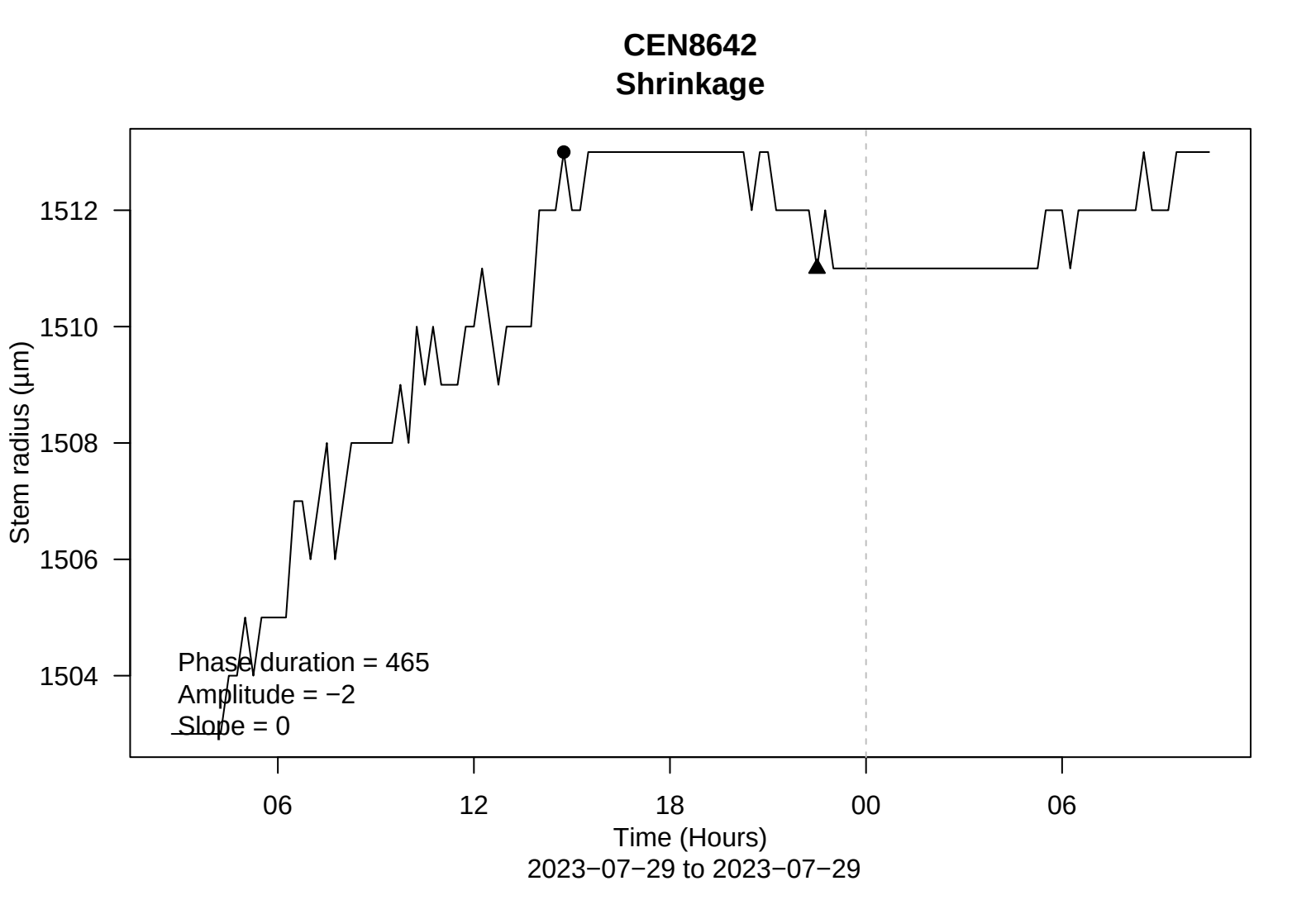

CEN8642
Expansion
1512
1510
1508
1506
1504
Stem radius (µm)
Phase duration = 705
Amplitude = 4
Slope = 0
00
12
00
Time (Hours)
2023−07−27 to 2023−07−27

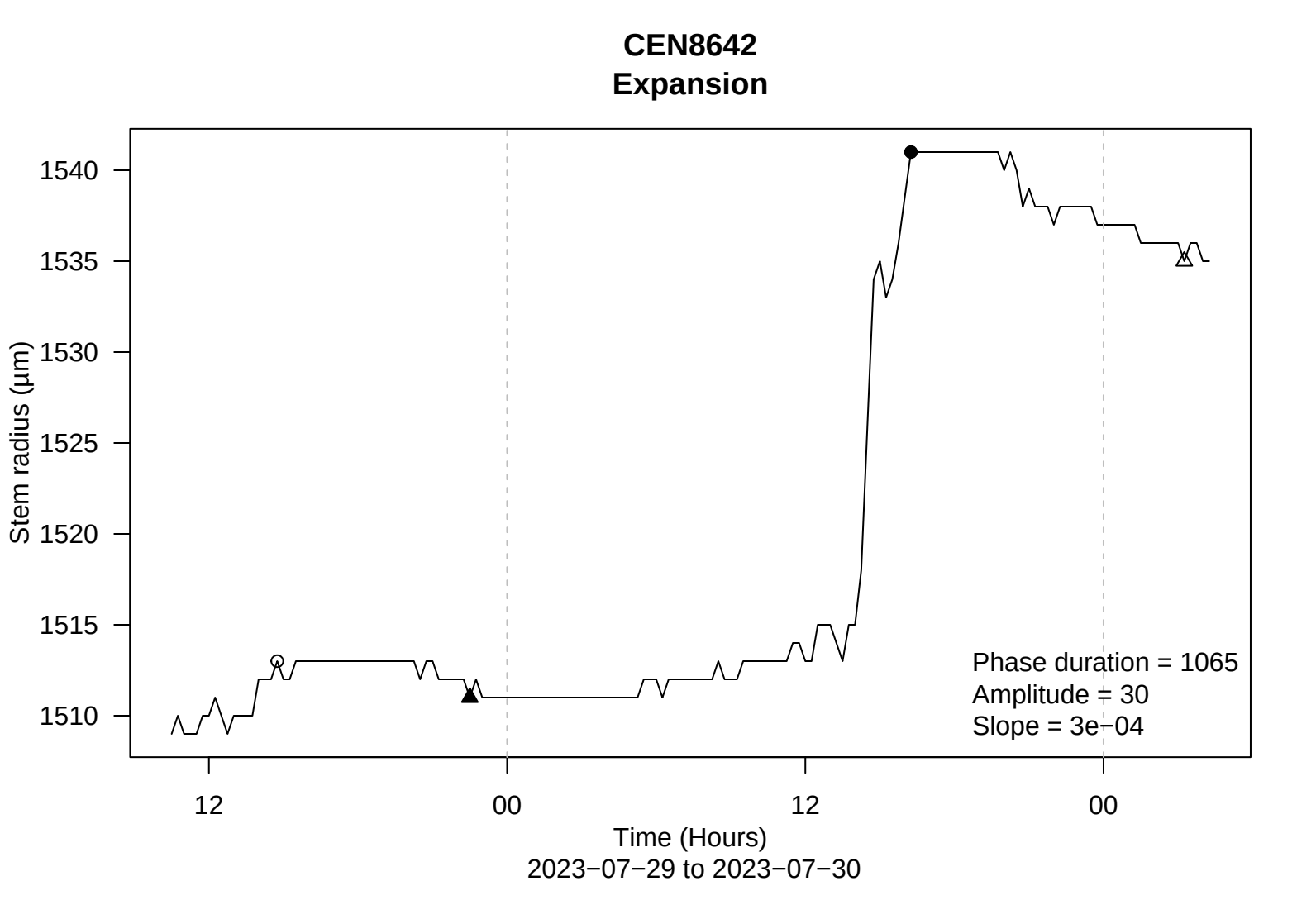

CEN8642
Shrinkage
1509
1508
1507
1506
1505
1504
1503
1502
Stem radius (µm)
Phase duration = 960
Amplitude = −7
Slope = −1e−04
12
00
12
Time (Hours)
2023−07−27 to 2023−07−28

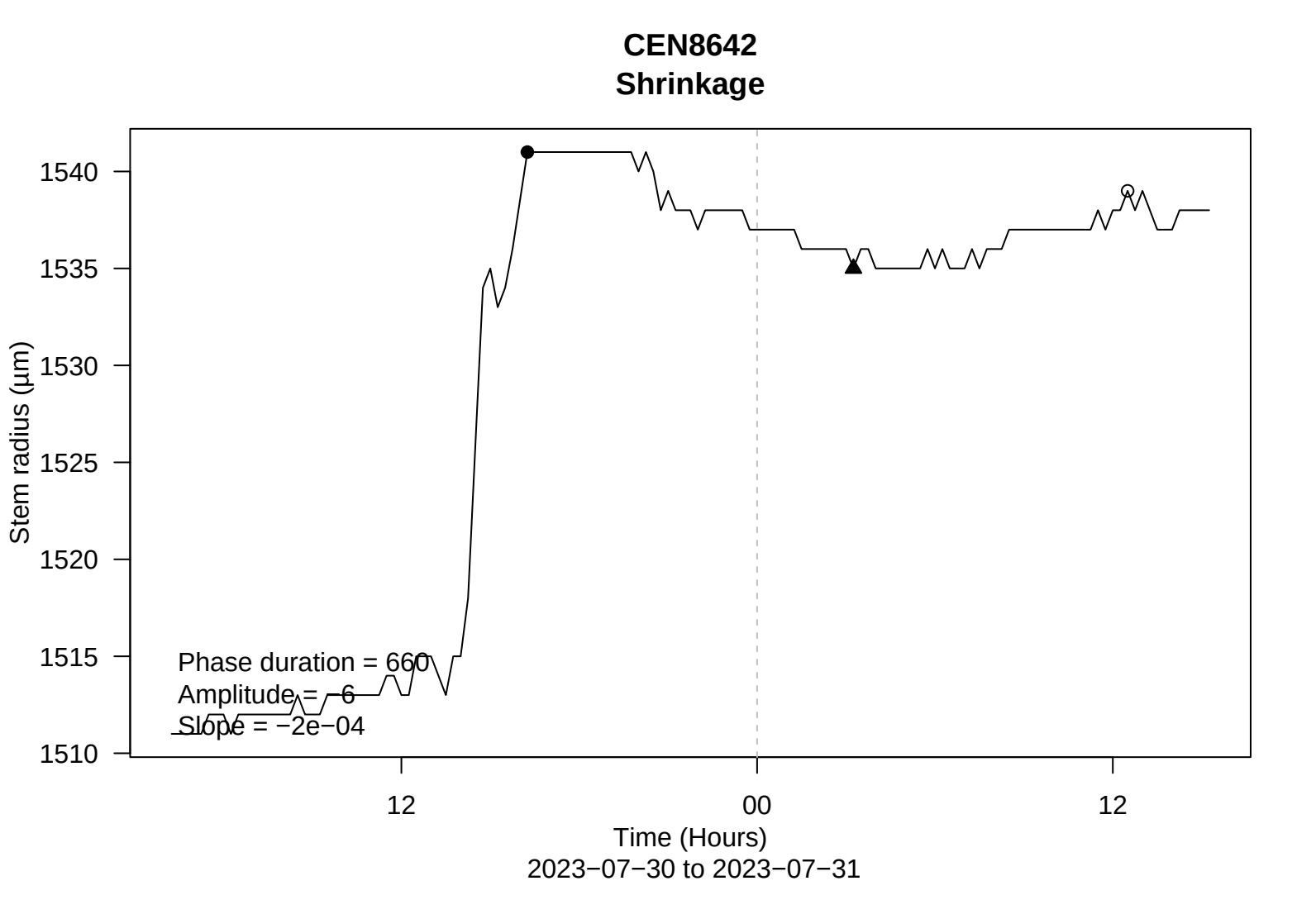

CEN8642
Expansion
1509
1508
1507
1506
1505
1504
1503
1502
Stem radius (µm)
00
12
00
Time (Hours)
2023−07−28 to 2023−07−28
Phase duration = 585
Amplitude = 7
Slope = 2e−04

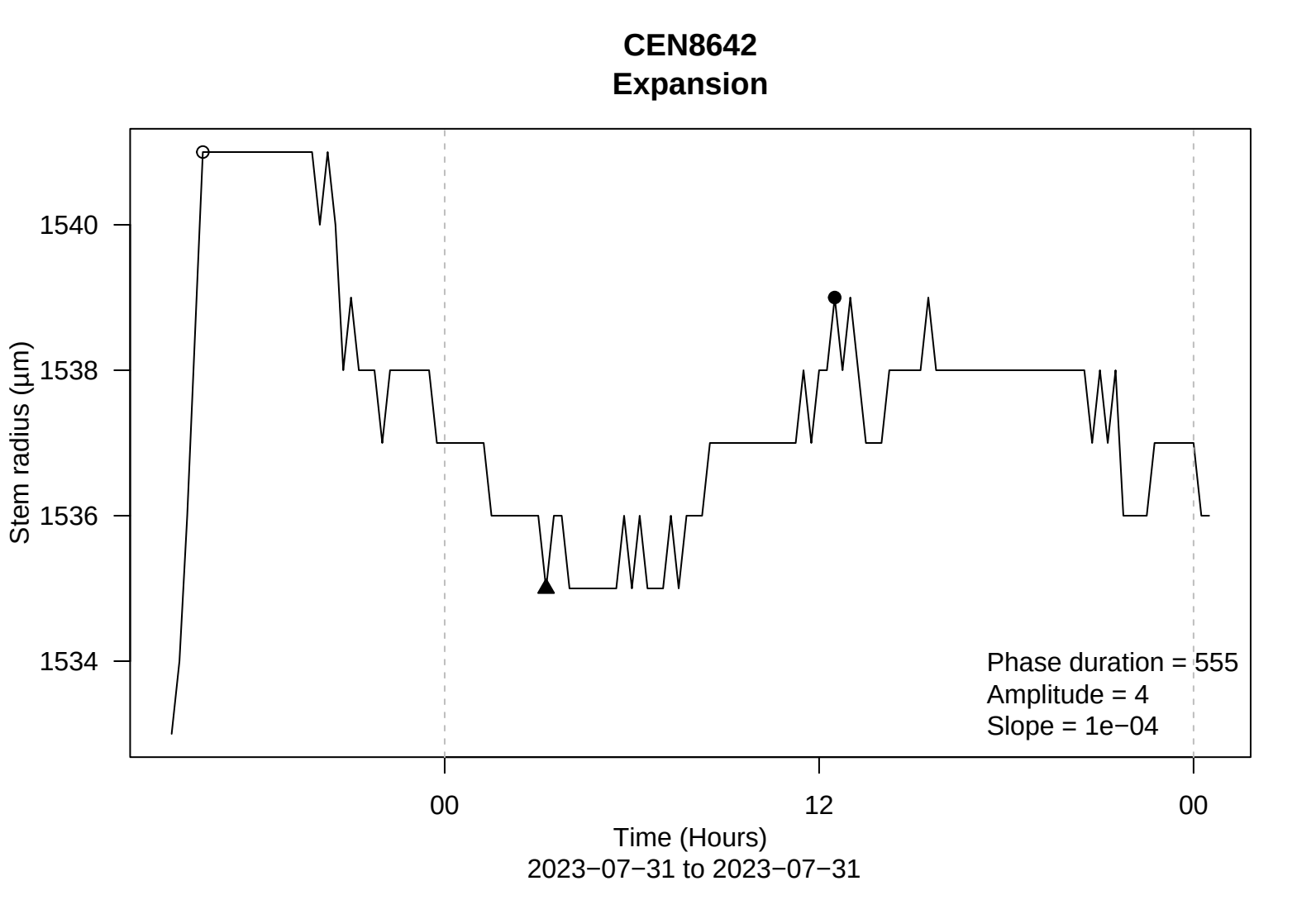

CEN8642
Shrinkage
Stem radius (µm)
1510
1508
1506
1504
1502
Phase duration = 540
Amplitude = −6
Slope = −1e−04
12
00
12
Time (Hours)
2023−07−28 to 2023−07−29

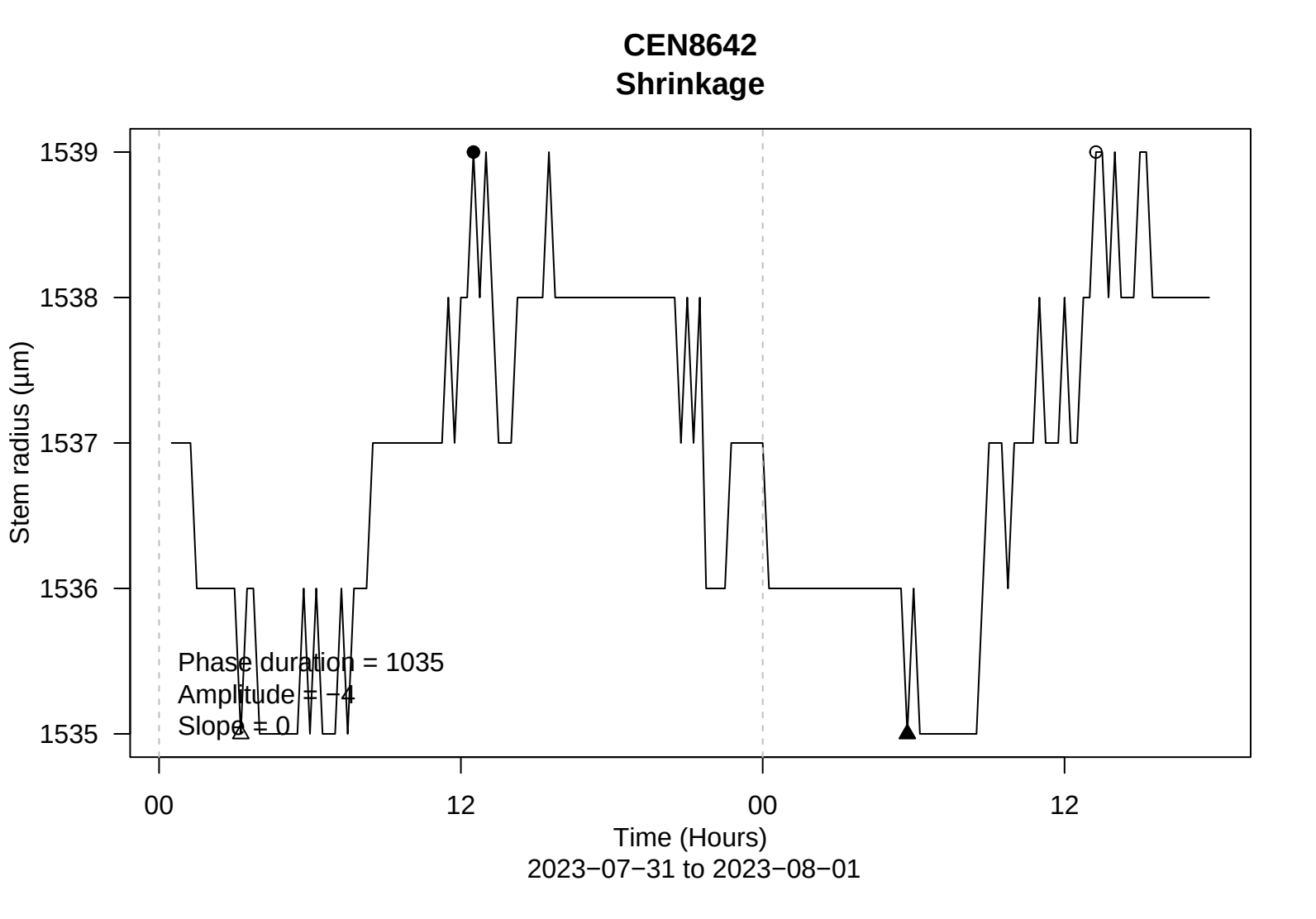

CEN8642
Expansion
1512
1510
1508
1506
1504
Stem radius (µm)
Phase duration = 855
Amplitude = 10
Slope = 2e−04
12
00
12
00
Time (Hours)
2023−07−29 to 2023−07−29

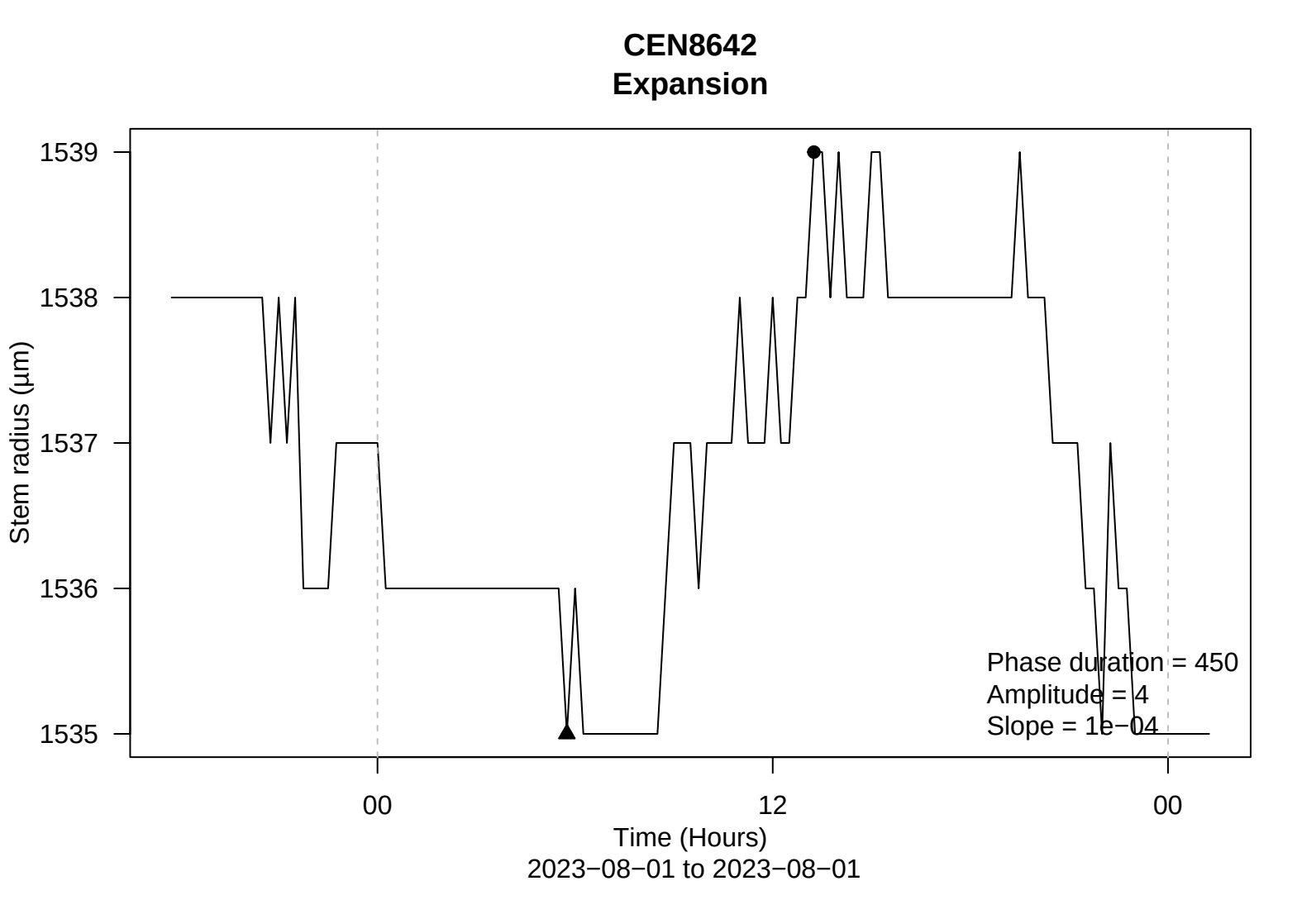

CEN8642
Shrinkage
1512
1510
1508
1506
1504
Stem radius (µm)
Phase duration = 465
Amplitude = −2
Slope = 0
06
12
18
00
06
Time (Hours)
2023−07−29 to 2023−07−29

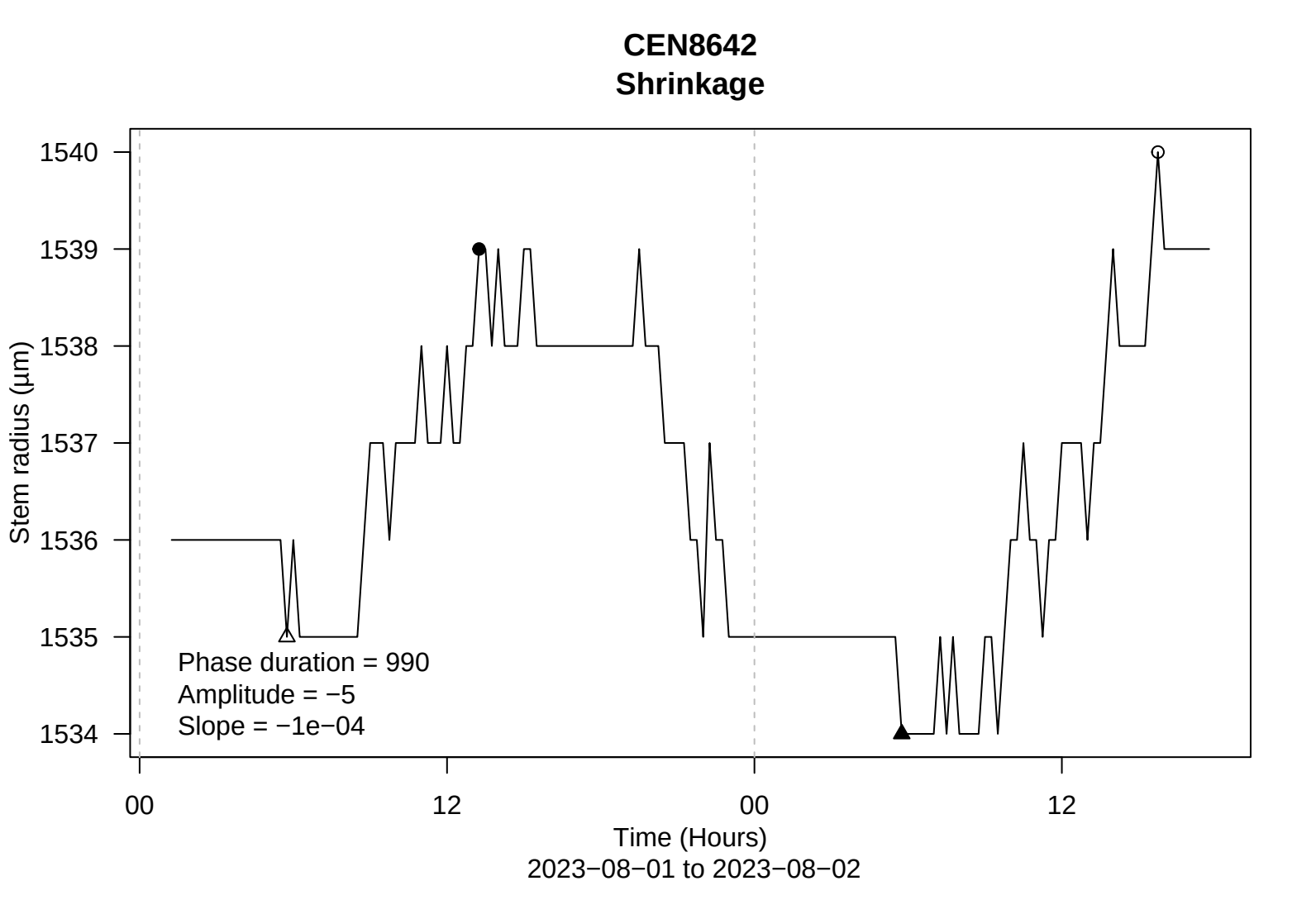

CEN8642
Expansion
1540
1535
1530
1525
1520
1515
1510
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−07−29 to 2023−07−30
Phase duration = 1065
Amplitude = 30
Slope = 3e−04

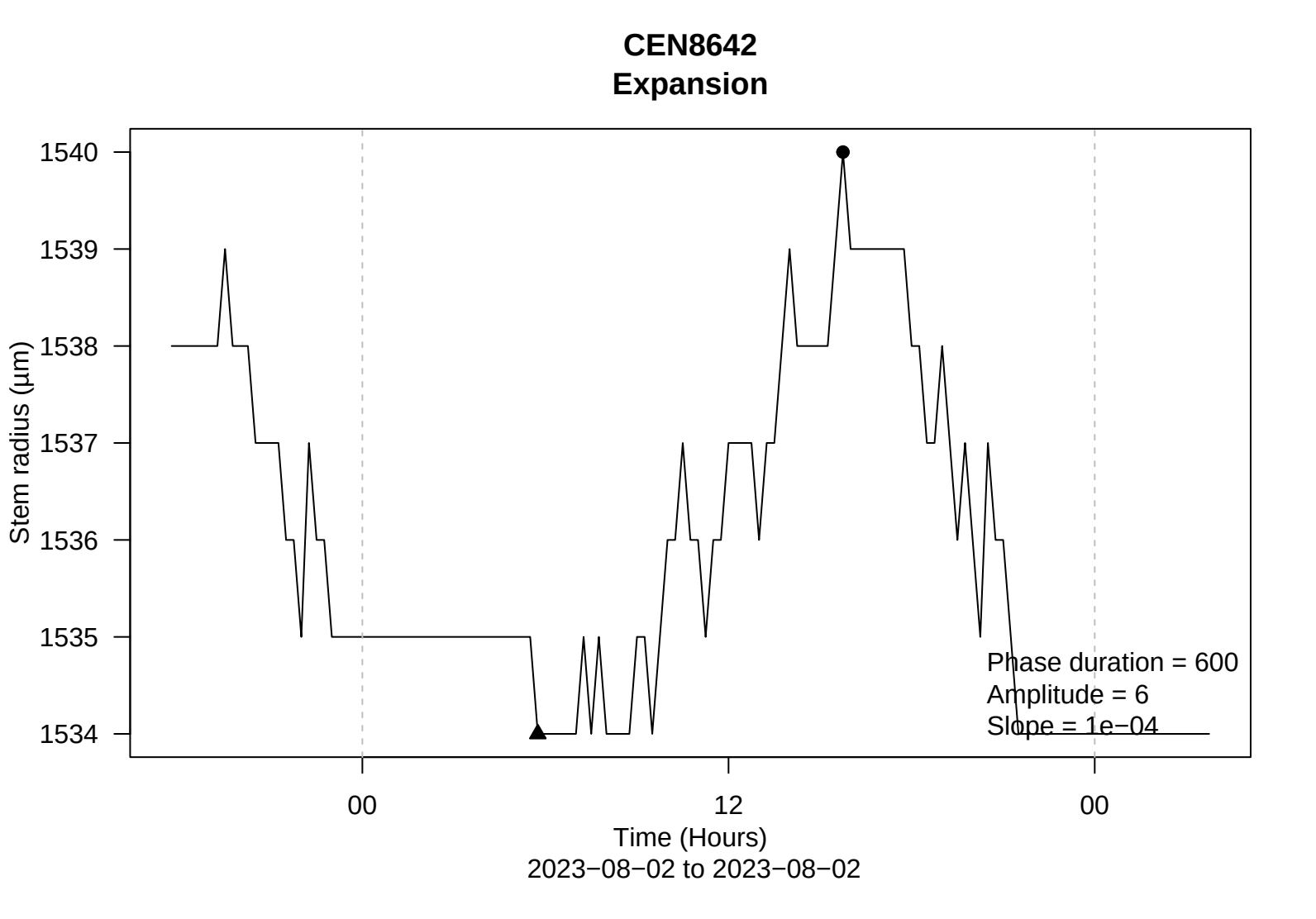

CEN8642
Shrinkage
Stem radius (µm)
1540
1535
1530
1525
1520
1515
1510
Phase duration = 660
Amplitude = −6
Slope = −2e−04
12
00
12
Time (Hours)
2023−07−30 to 2023−07−31

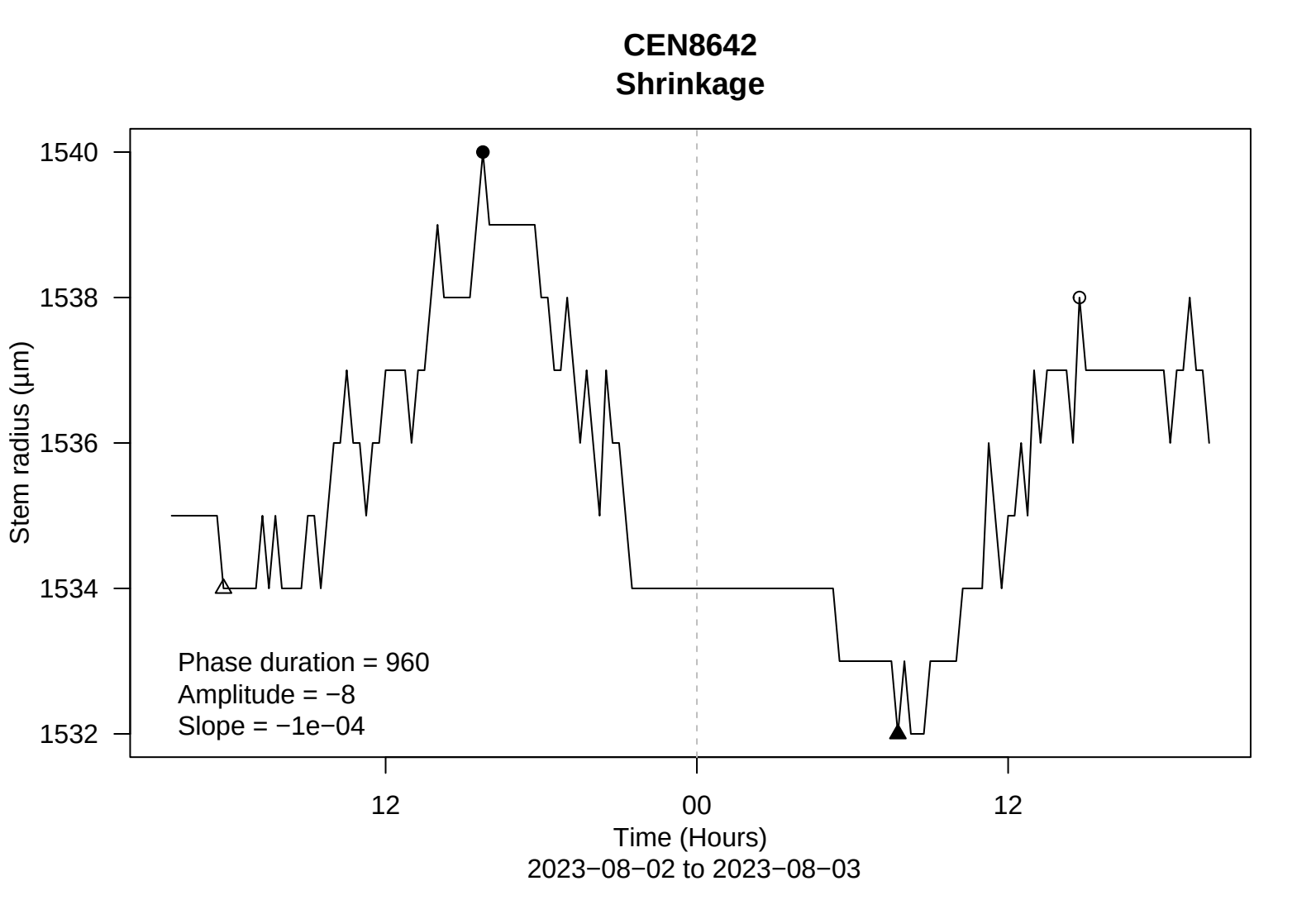

CEN8642
Expansion
1540
1538
1536
1534
Stem radius (µm)
Phase duration = 555
Amplitude = 4
Slope = 1e−04
00
12
00
Time (Hours)
2023−07−31 to 2023−07−31

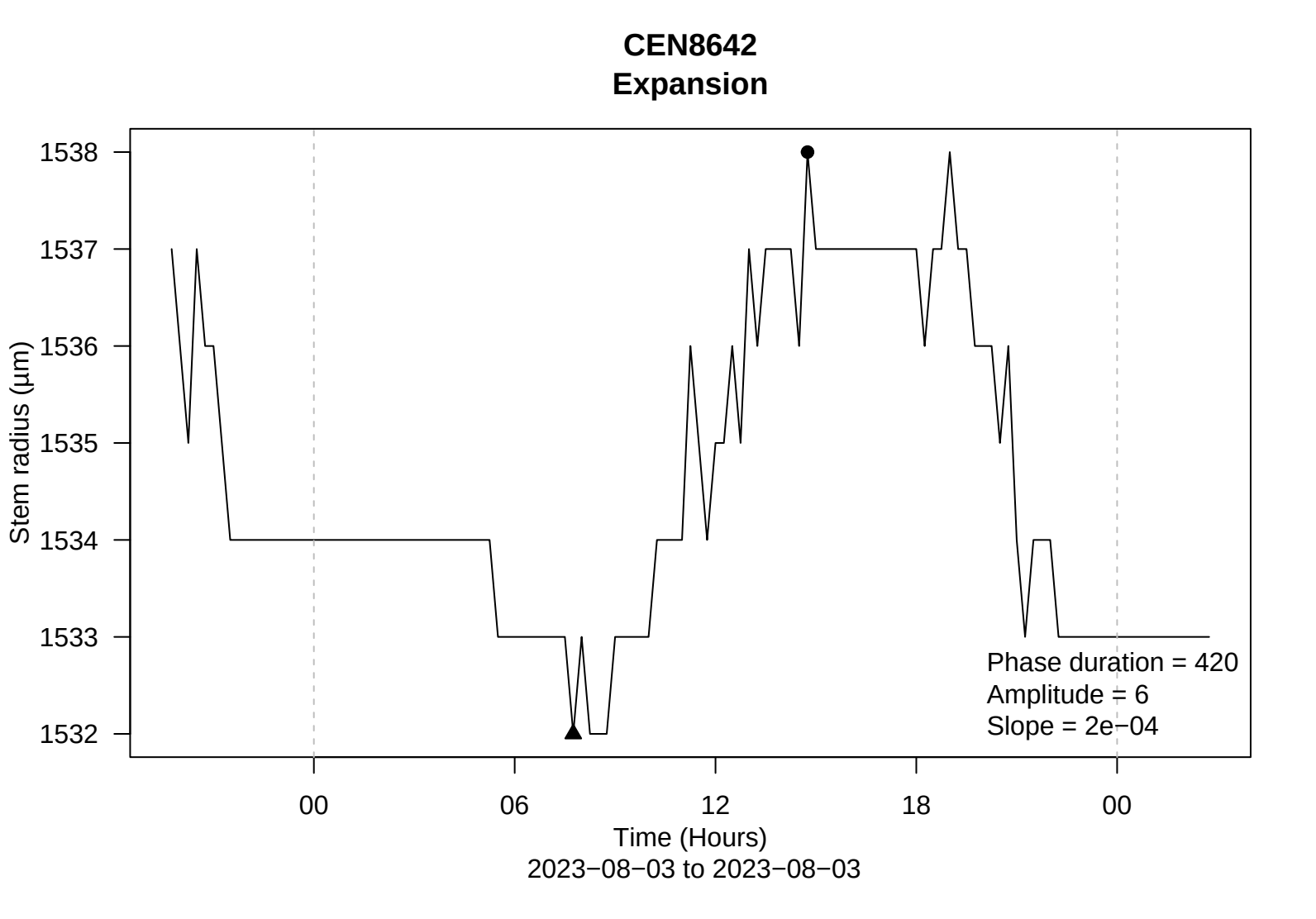

CEN8642
Shrinkage
1539
1538
1537
1536
1535
Stem radius (µm)
Phase duration = 1035
Amplitude = −4
Slope = 0
00
12
00
12
Time (Hours)
2023−07−31 to 2023−08−01

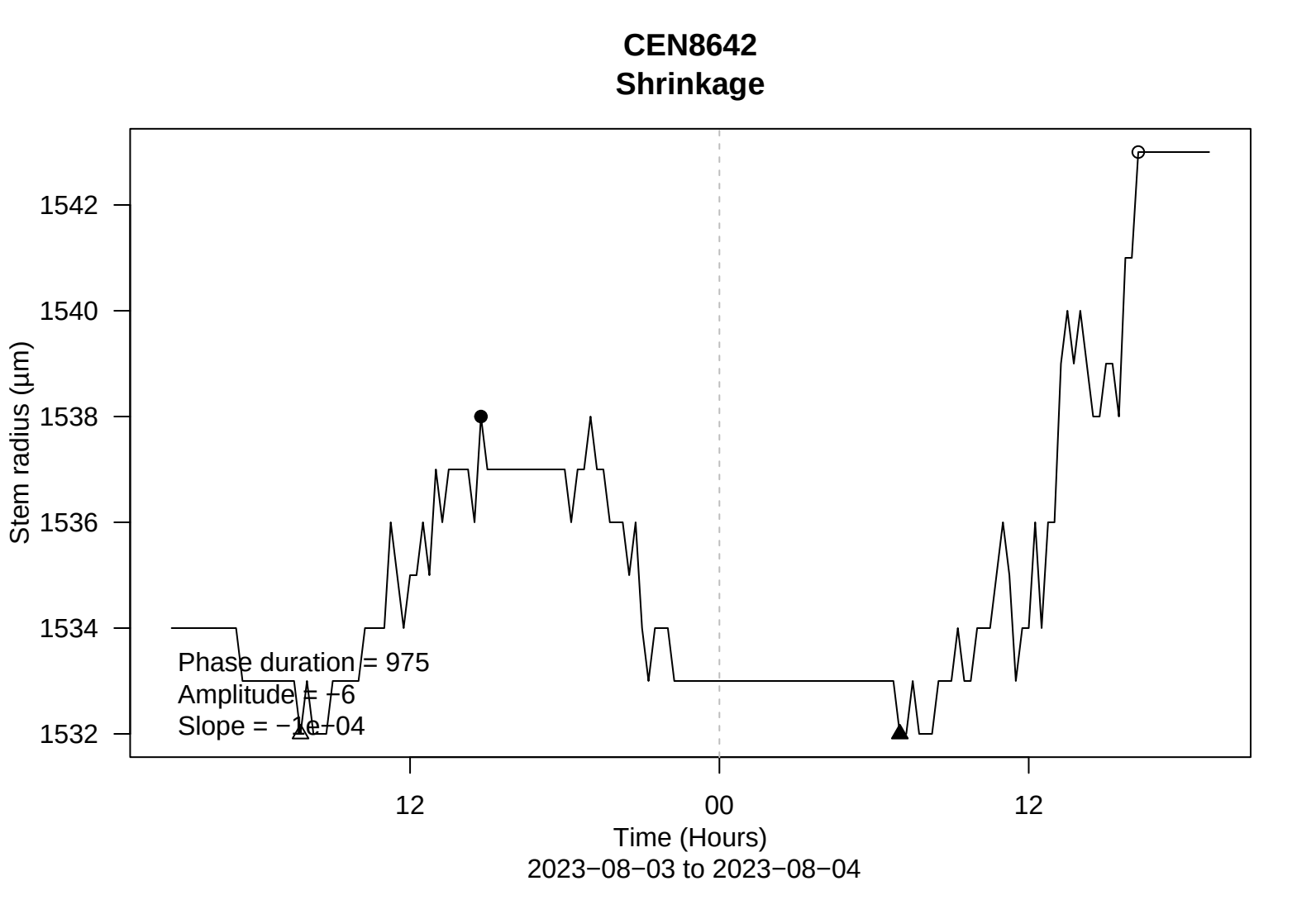

CEN8642
Expansion
1539
1538
1537
1536
1535
Stem radius (µm)
00
12
00
Time (Hours)
2023−08−01 to 2023−08−01
Phase duration = 450
Amplitude = 4
Slope = 1e−04

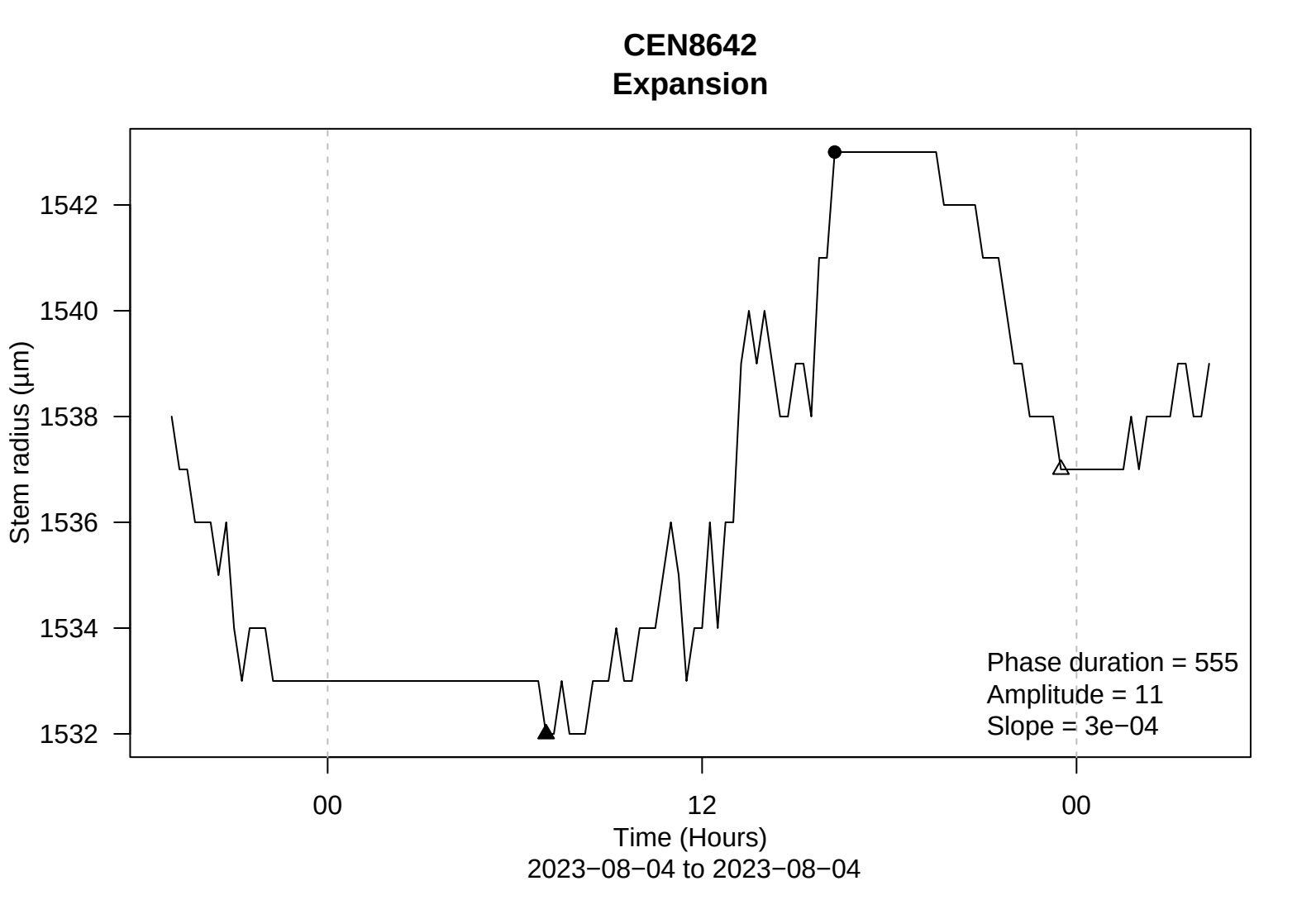

CEN8642
Shrinkage
1540
1539
1538
1537
1536
1535
1534
Stem radius (µm)
Phase duration = 990
Amplitude = −5
Slope = −1e−04
00
12
00
12
Time (Hours)
2023−08−01 to 2023−08−02

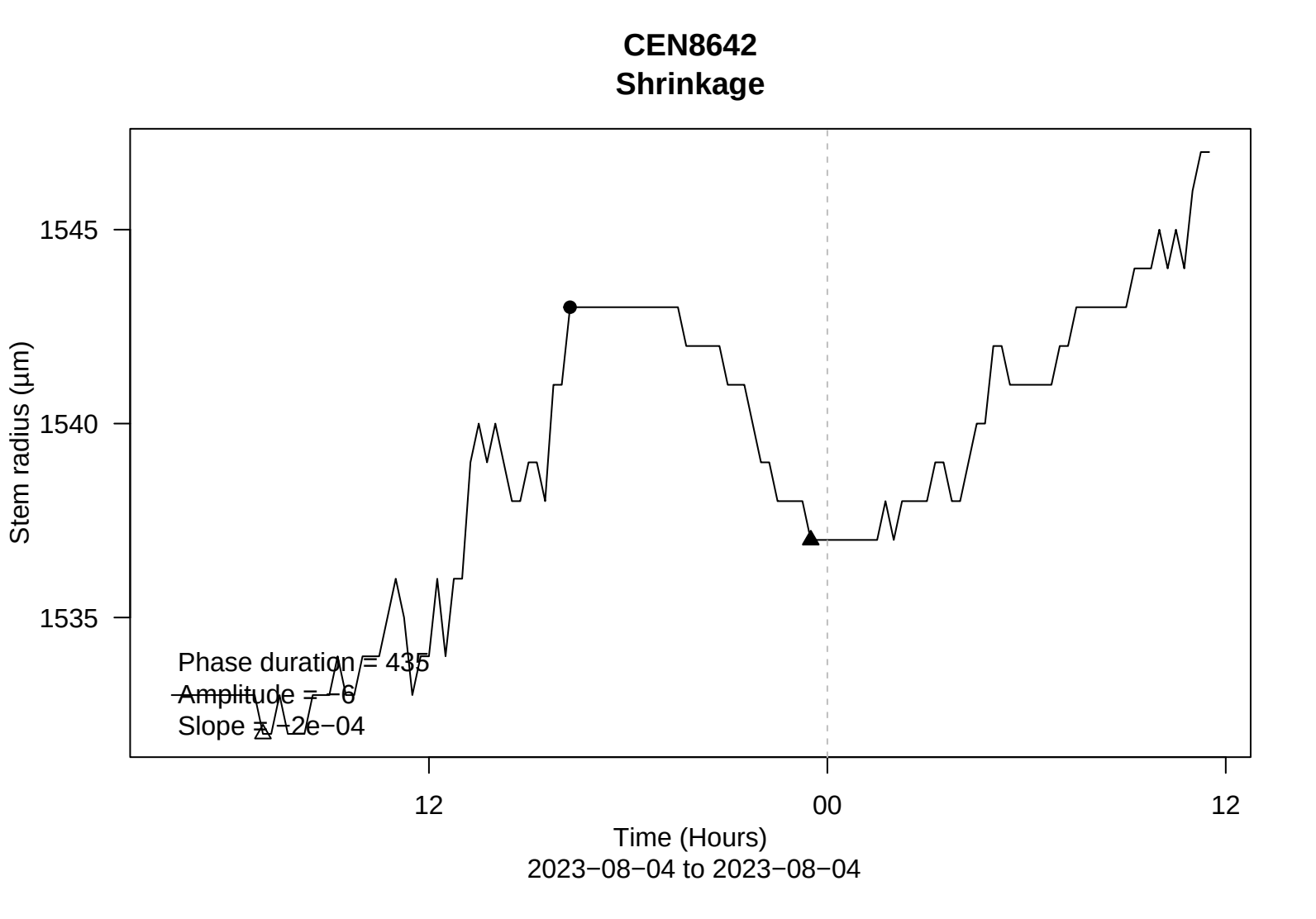

CEN8642
Expansion
1540
1539
1538
1537
1536
1535
1534
Stem radius (µm)
Phase duration = 600
Amplitude = 6
Slope = 1e−04
00
12
00
Time (Hours)
2023−08−02 to 2023−08−02

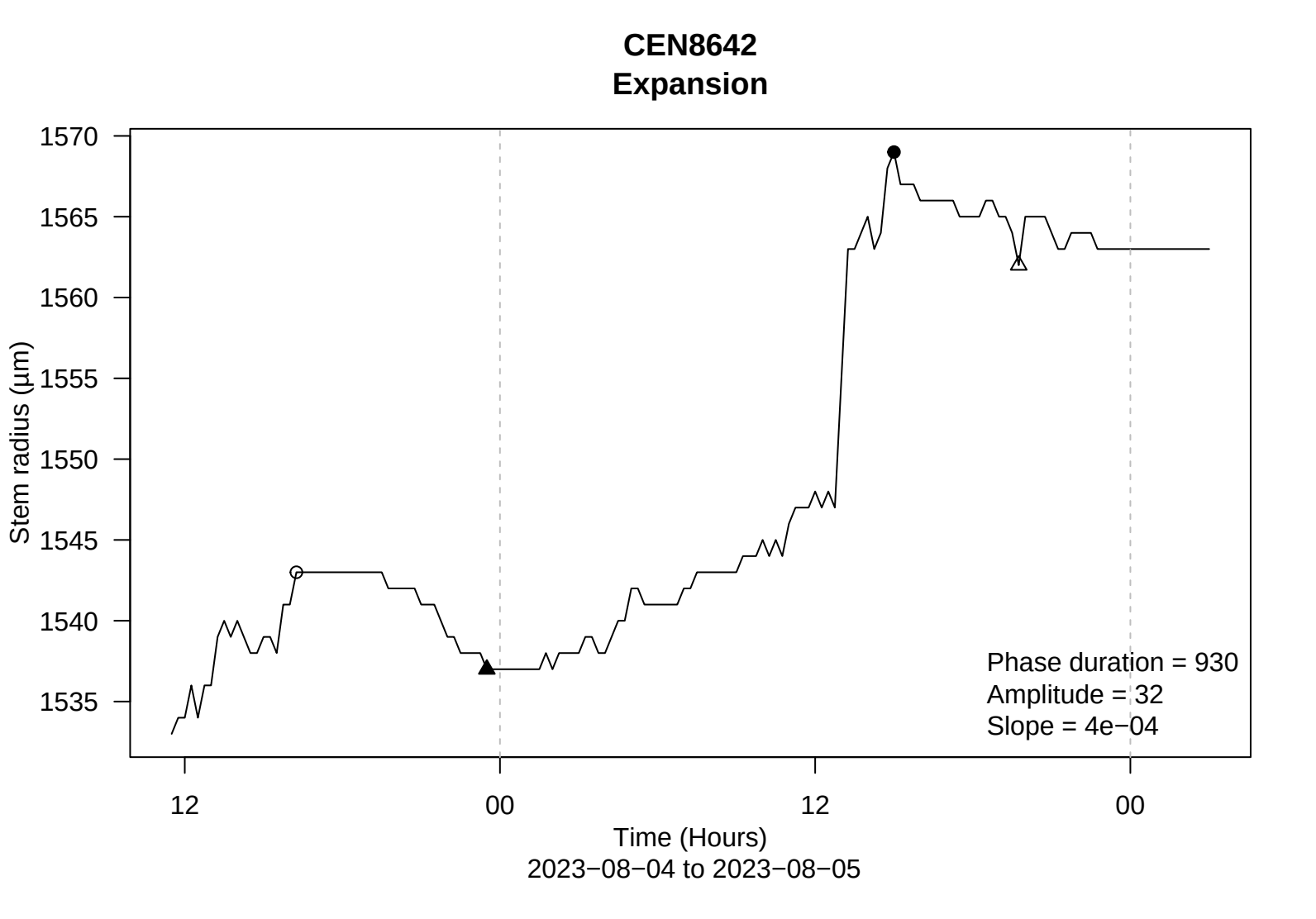

CEN8642
Shrinkage
1540
1538
1536
1534
1532
Stem radius (µm)
Phase duration = 960
Amplitude = −8
Slope = −1e−04
12
00
12
Time (Hours)
2023−08−02 to 2023−08−03

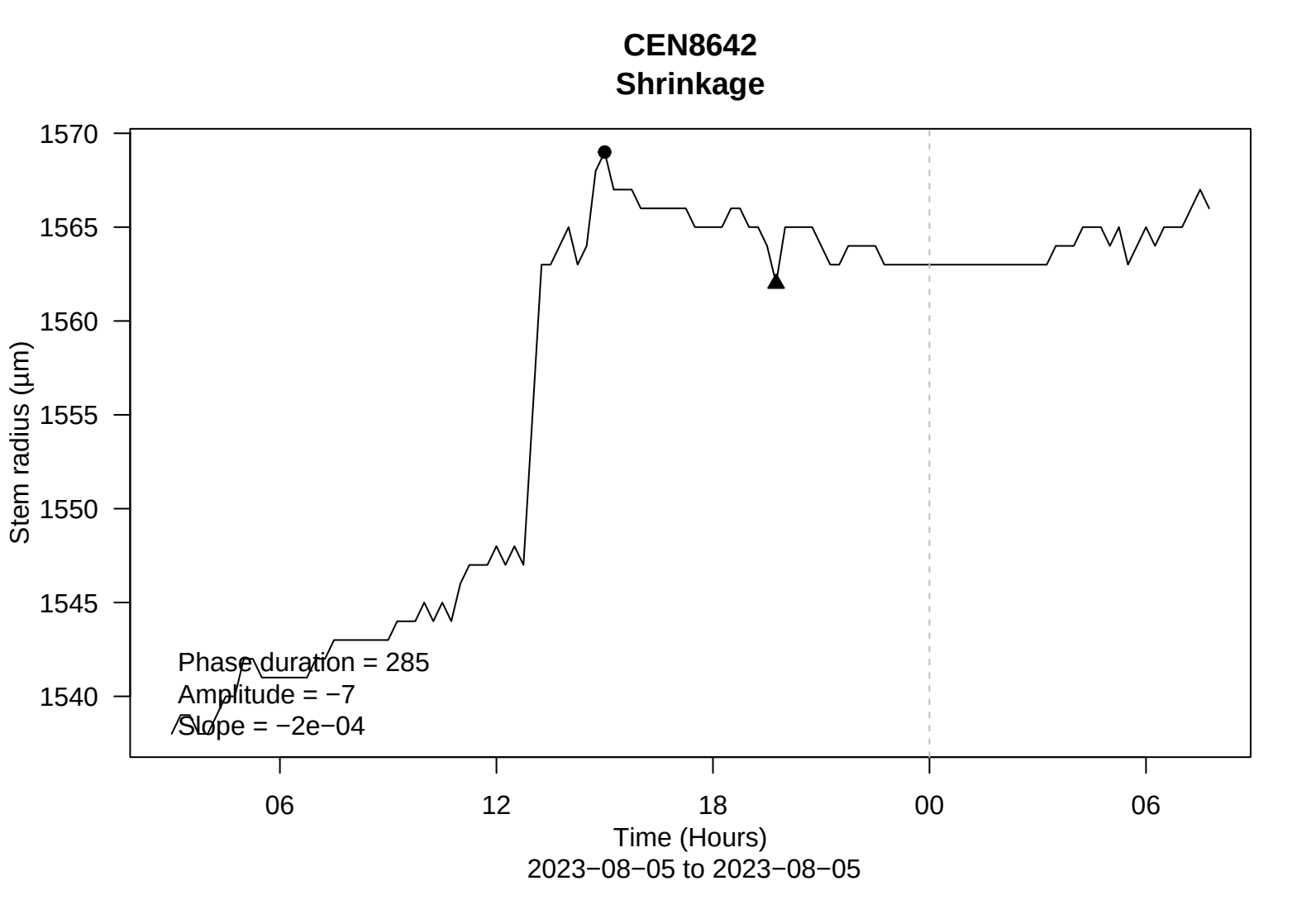

CEN8642
Expansion
1538
1537
1536
1535
1534
1533
1532
Stem radius (µm)
00
06
12
18
00
Time (Hours)
2023−08−03 to 2023−08−03
Phase duration = 420
Amplitude = 6
Slope = 2e−04

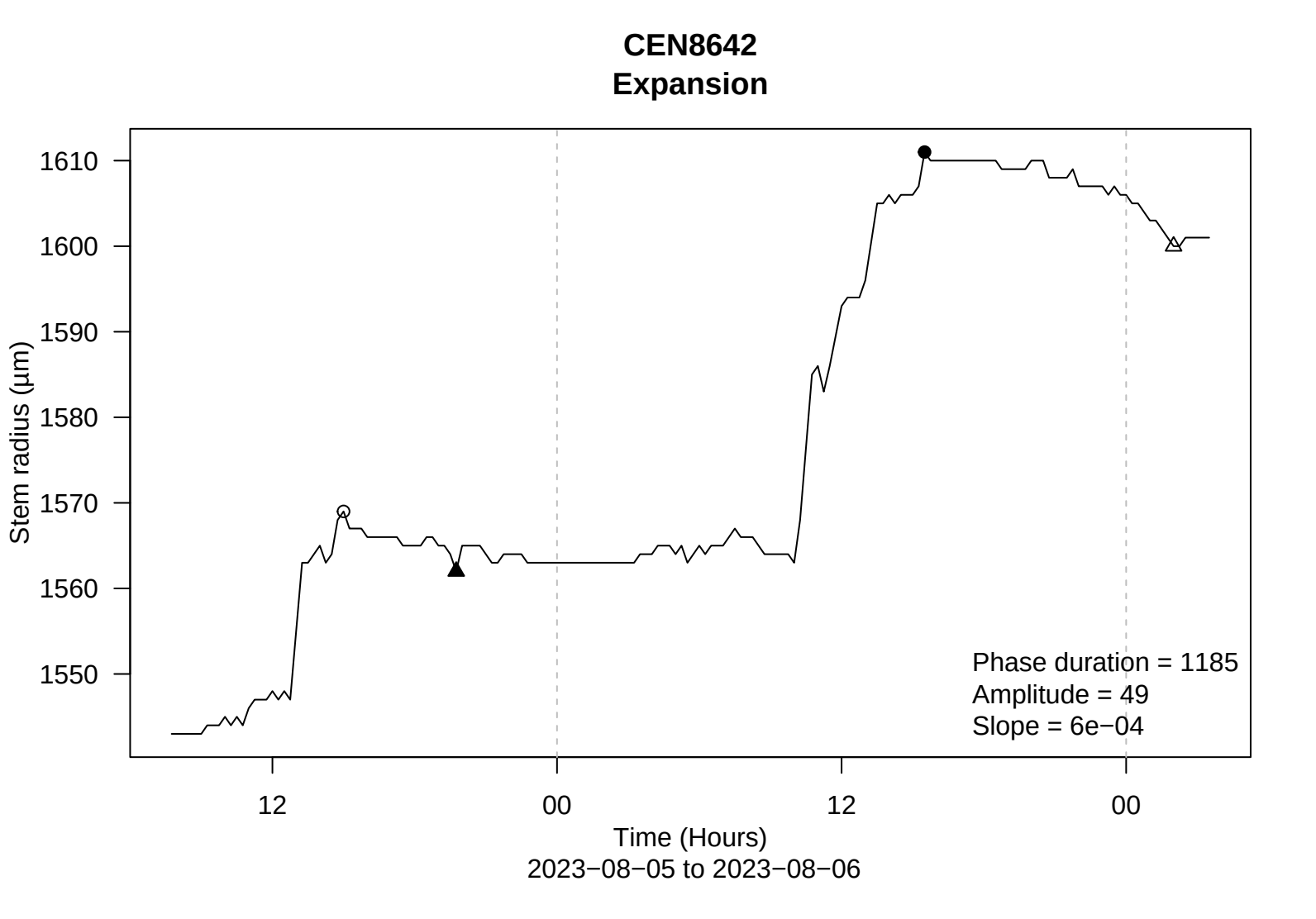

CEN8642
Shrinkage
Stem radius (µm)
1542
1540
1538
1536
1534
1532
Phase duration = 975
Amplitude = −6
Slope = −1e−04
12
00
12
Time (Hours)
2023−08−03 to 2023−08−04

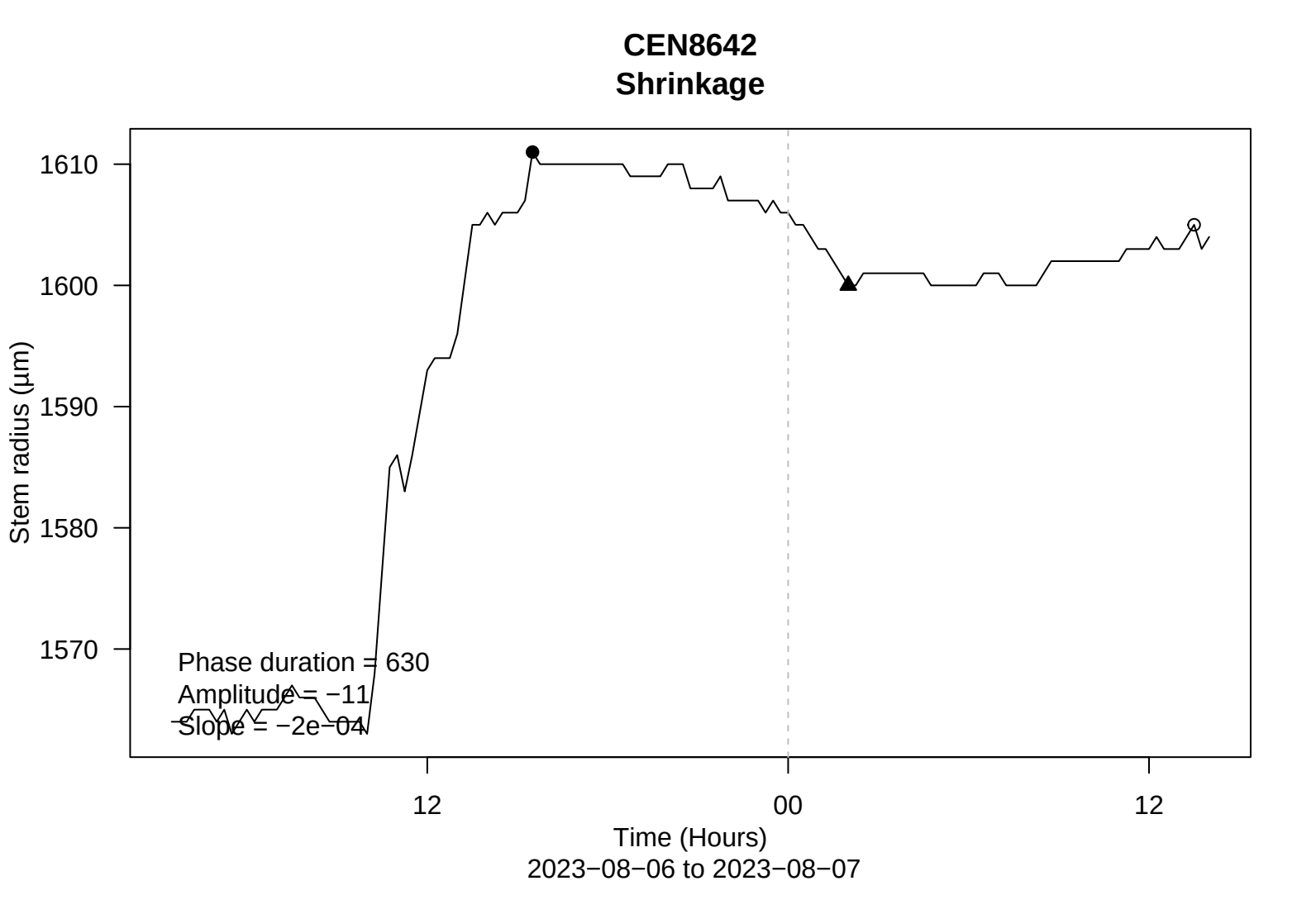

CEN8642
Expansion
1542
1540
1538
1536
1534
1532
Stem radius (µm)
00
12
00
Time (Hours)
2023−08−04 to 2023−08−04
Phase duration = 555
Amplitude = 11
Slope = 3e−04

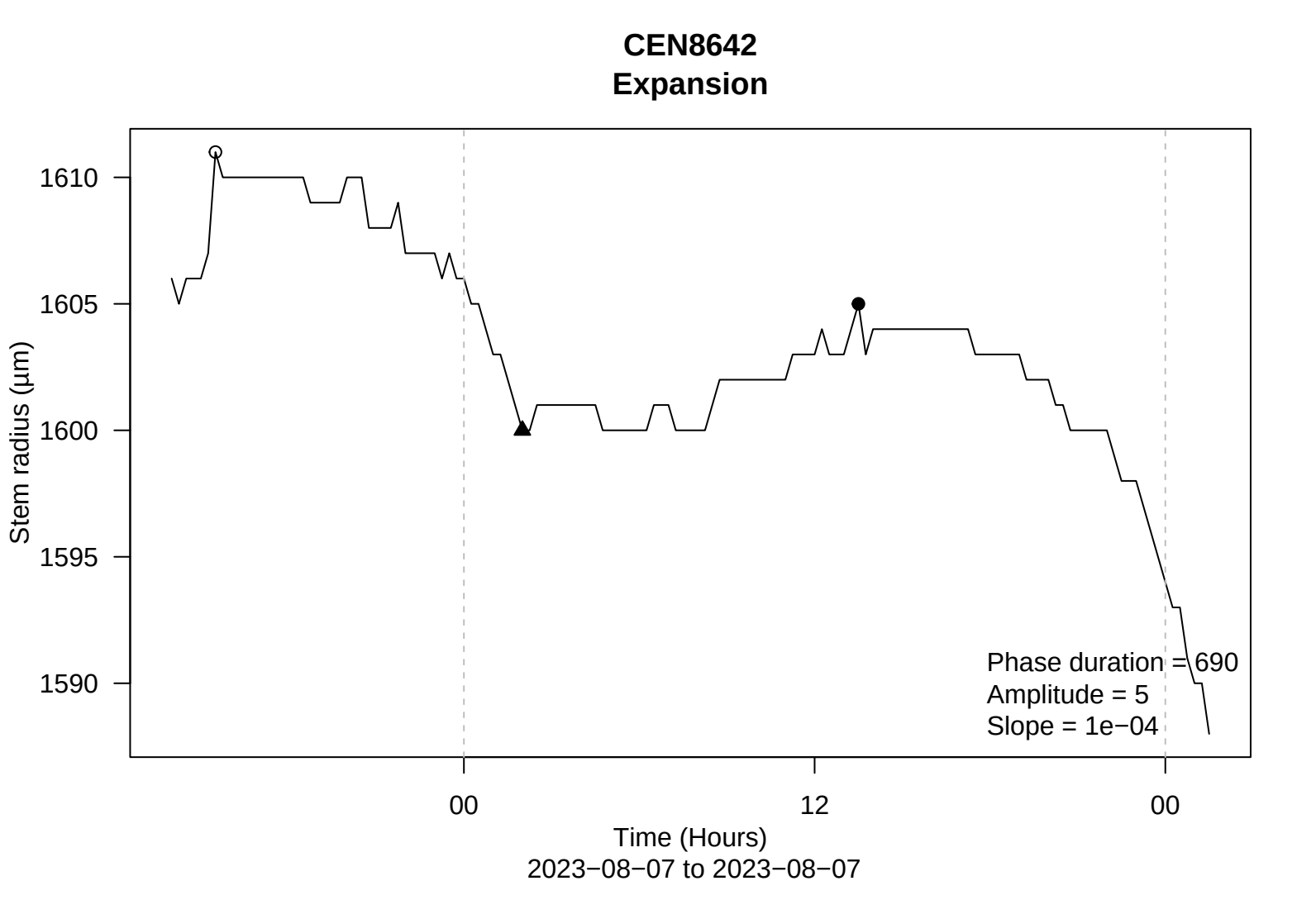

CEN8642
Shrinkage
1545
1540
1535
Stem radius (µm)
Phase duration = 435
Amplitude = −6
Slope = −2e−04
12
00
12
Time (Hours)
2023−08−04 to 2023−08−04

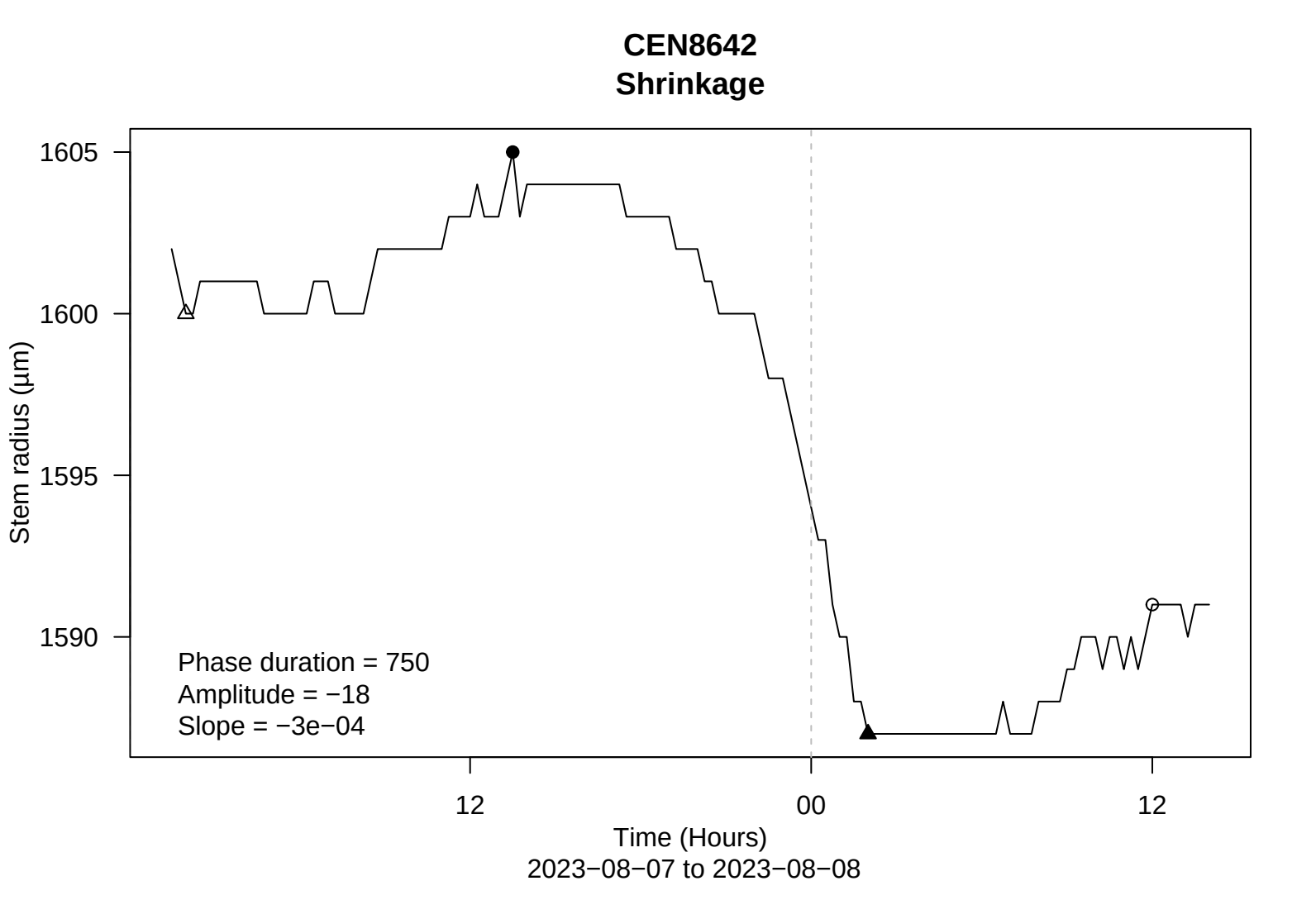

CEN8642
Expansion
1570
1565
1560
1555
1550
1545
1540
1535
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−08−04 to 2023−08−05
Phase duration = 930
Amplitude = 32
Slope = 4e−04

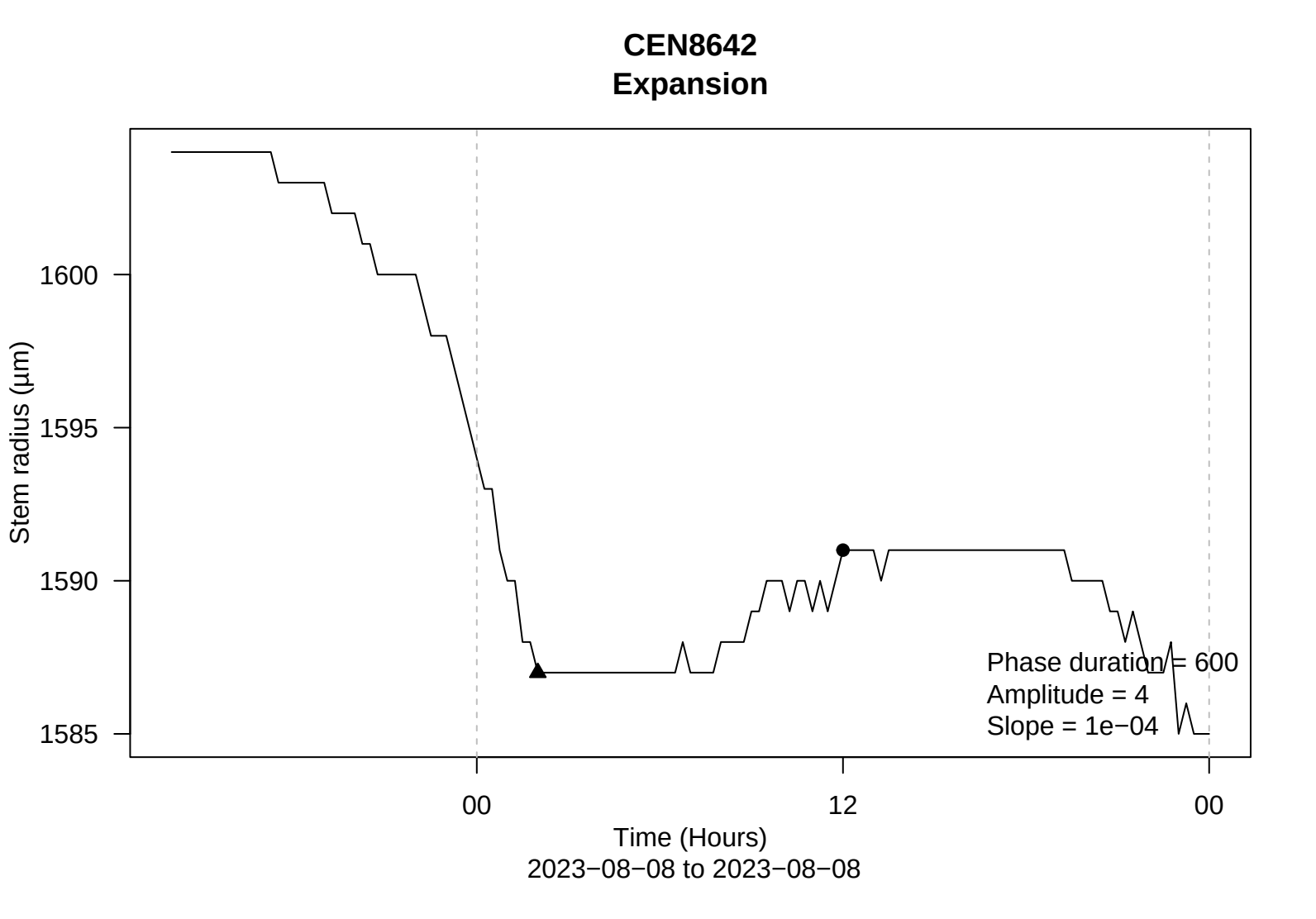

CEN8642
Shrinkage
1570
1565
1560
1555
1550
1545
1540
Stem radius (µm)
Phase duration = 285
Amplitude = −7
Slope = −2e−04
06
12
18
00
06
Time (Hours)
2023−08−05 to 2023−08−05

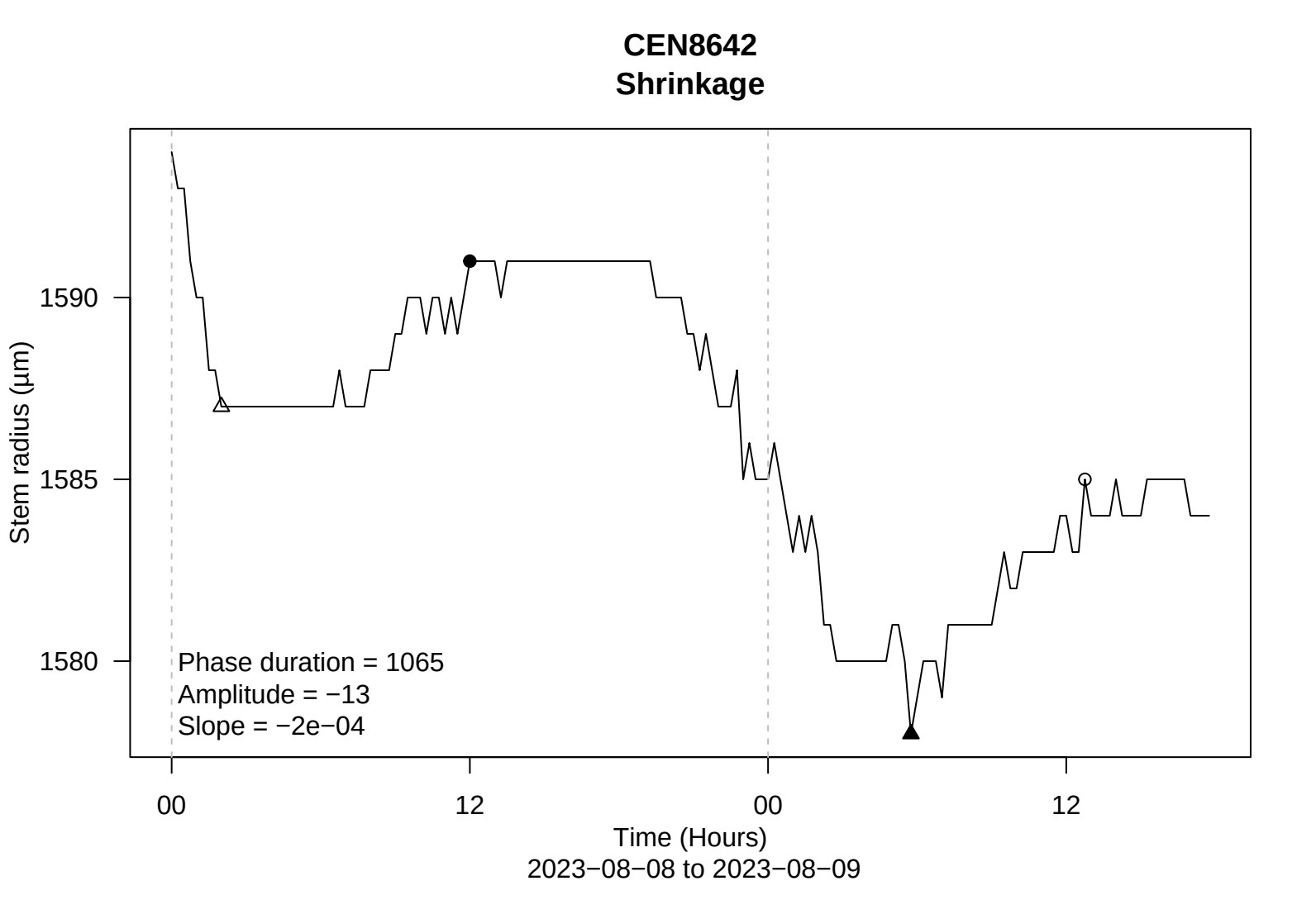

CEN8642
Expansion
1610
1600
1590
1580
1570
1560
1550
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−08−05 to 2023−08−06
Phase duration = 1185
Amplitude = 49
Slope = 6e−04

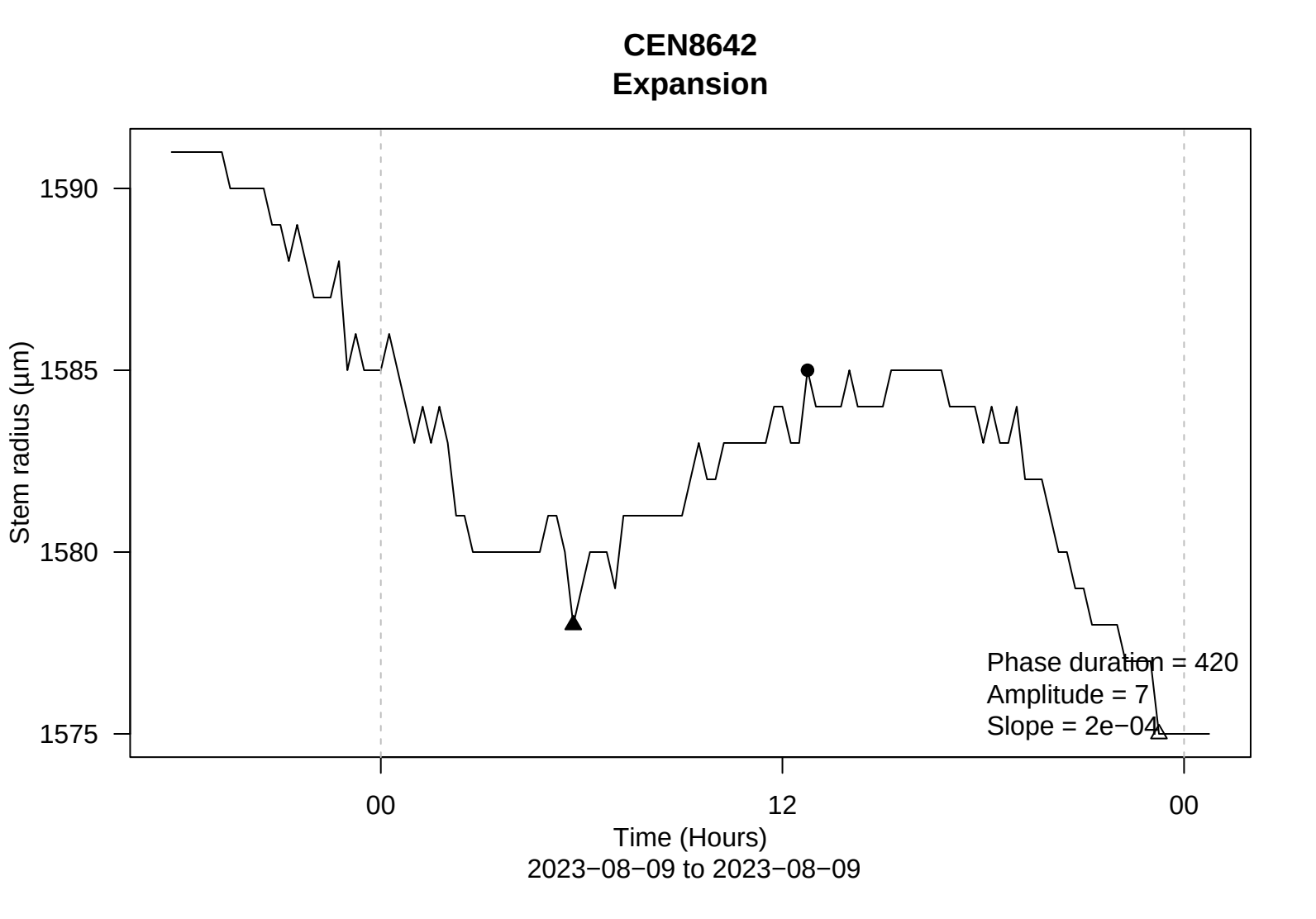

CEN8642
Shrinkage
1610
1600
1590
1580
1570
Stem radius (µm)
Phase duration = 630
Amplitude = −11
Slope = −2e−04
12
00
12
Time (Hours)
2023−08−06 to 2023−08−07

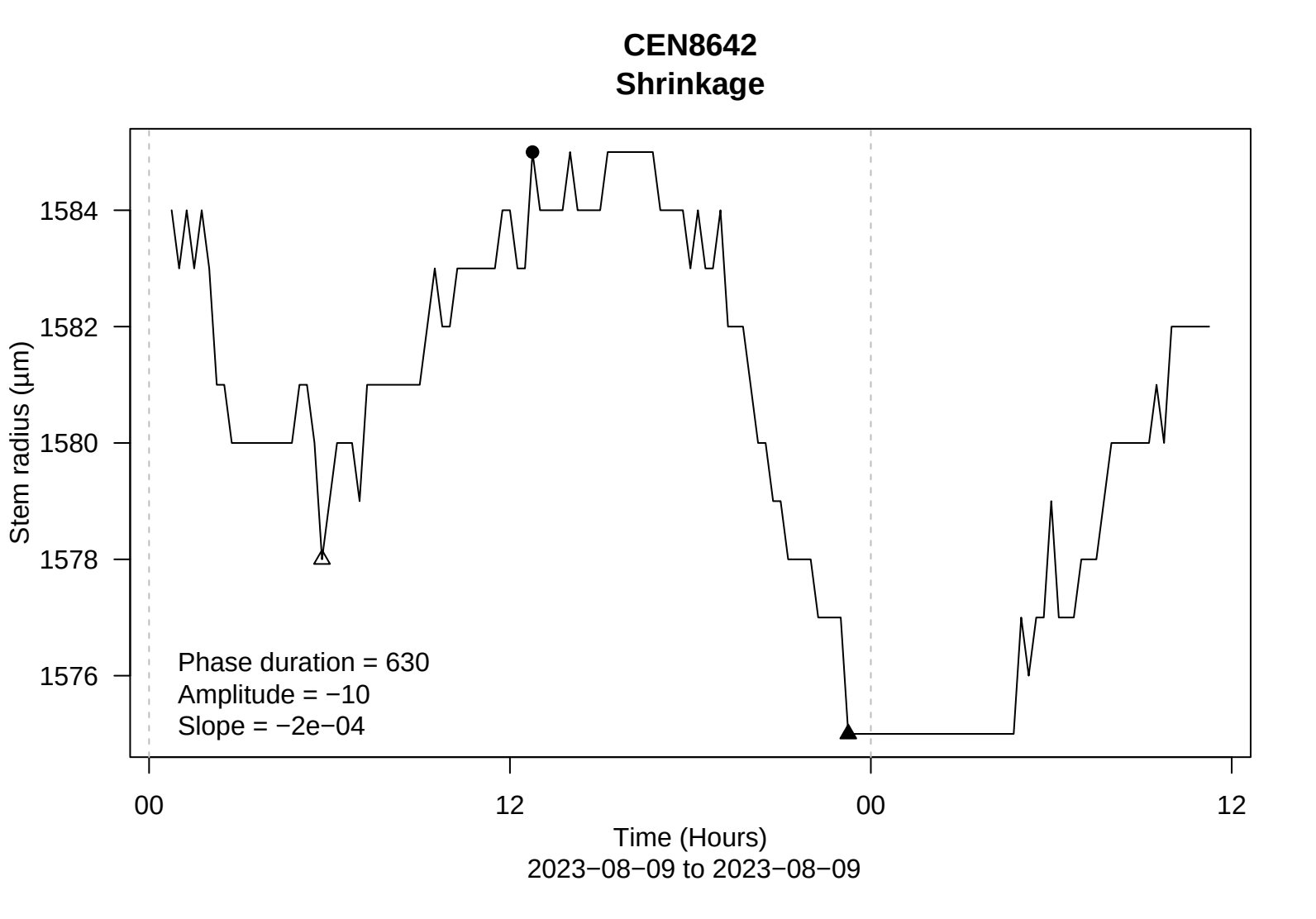

CEN8642
Expansion
1610
1605
1600
1595
1590
Stem radius (µm)
Phase duration = 690
Amplitude = 5
Slope = 1e−04
00
12
00
Time (Hours)
2023−08−07 to 2023−08−07

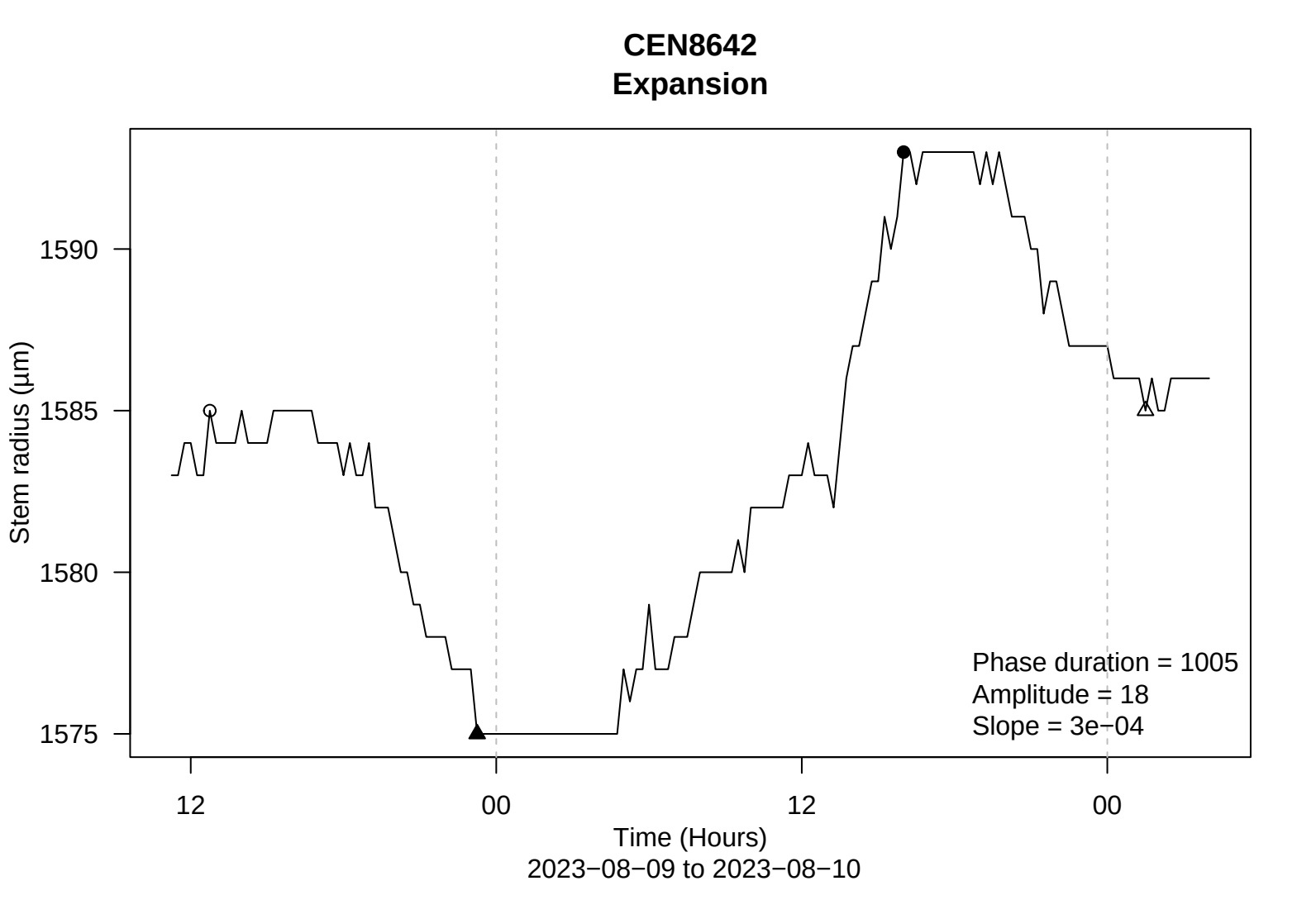

CEN8642
Shrinkage
1605
1600
1595
1590
Stem radius (µm)
Phase duration = 750
Amplitude = −18
Slope = −3e−04
12
00
12
Time (Hours)
2023−08−07 to 2023−08−08

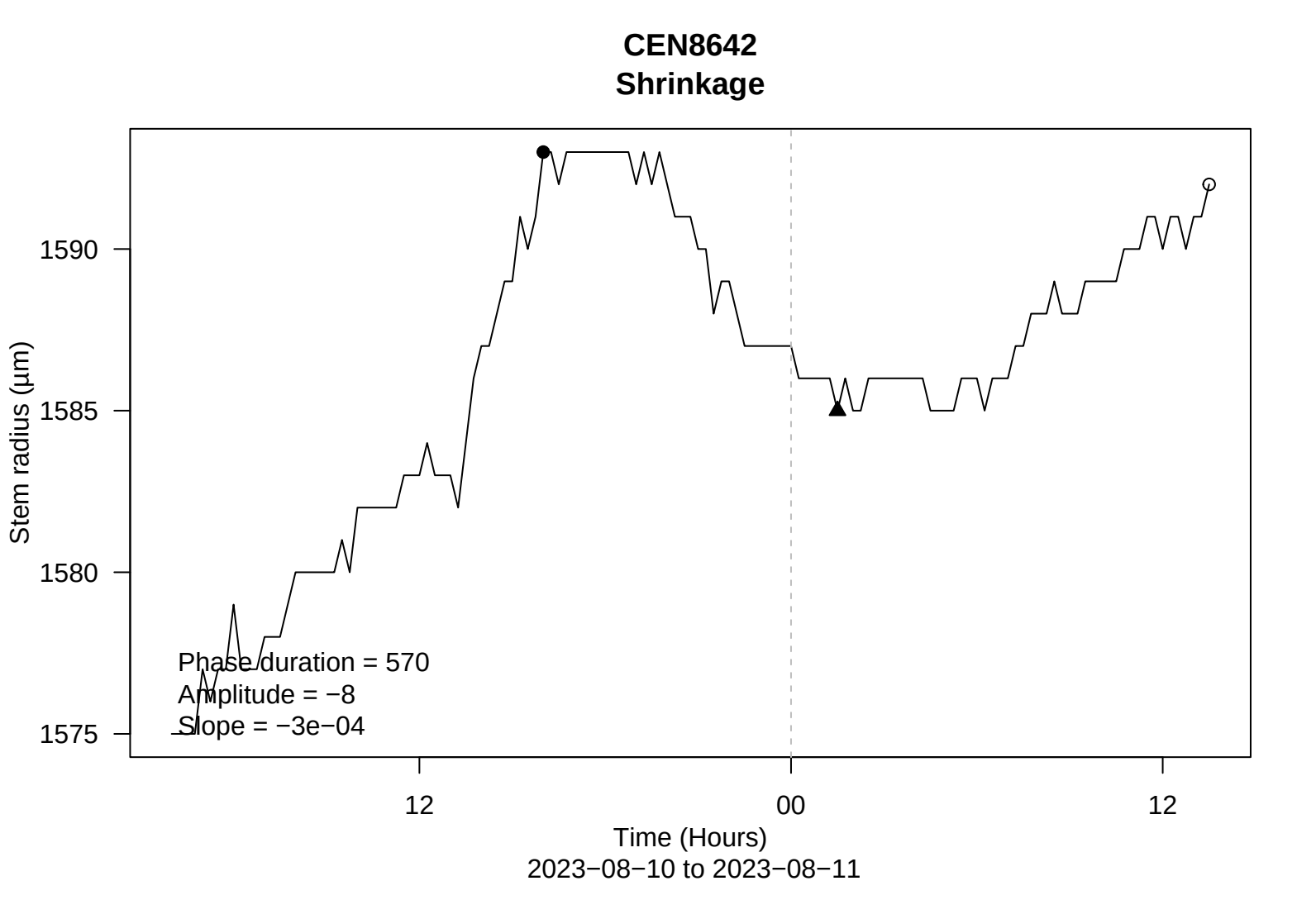

CEN8642
Expansion
1600
1595
1590
1585
Stem radius (µm)
00
12
00
Time (Hours)
2023−08−08 to 2023−08−08
Phase duration = 600
Amplitude = 4
Slope = 1e−04

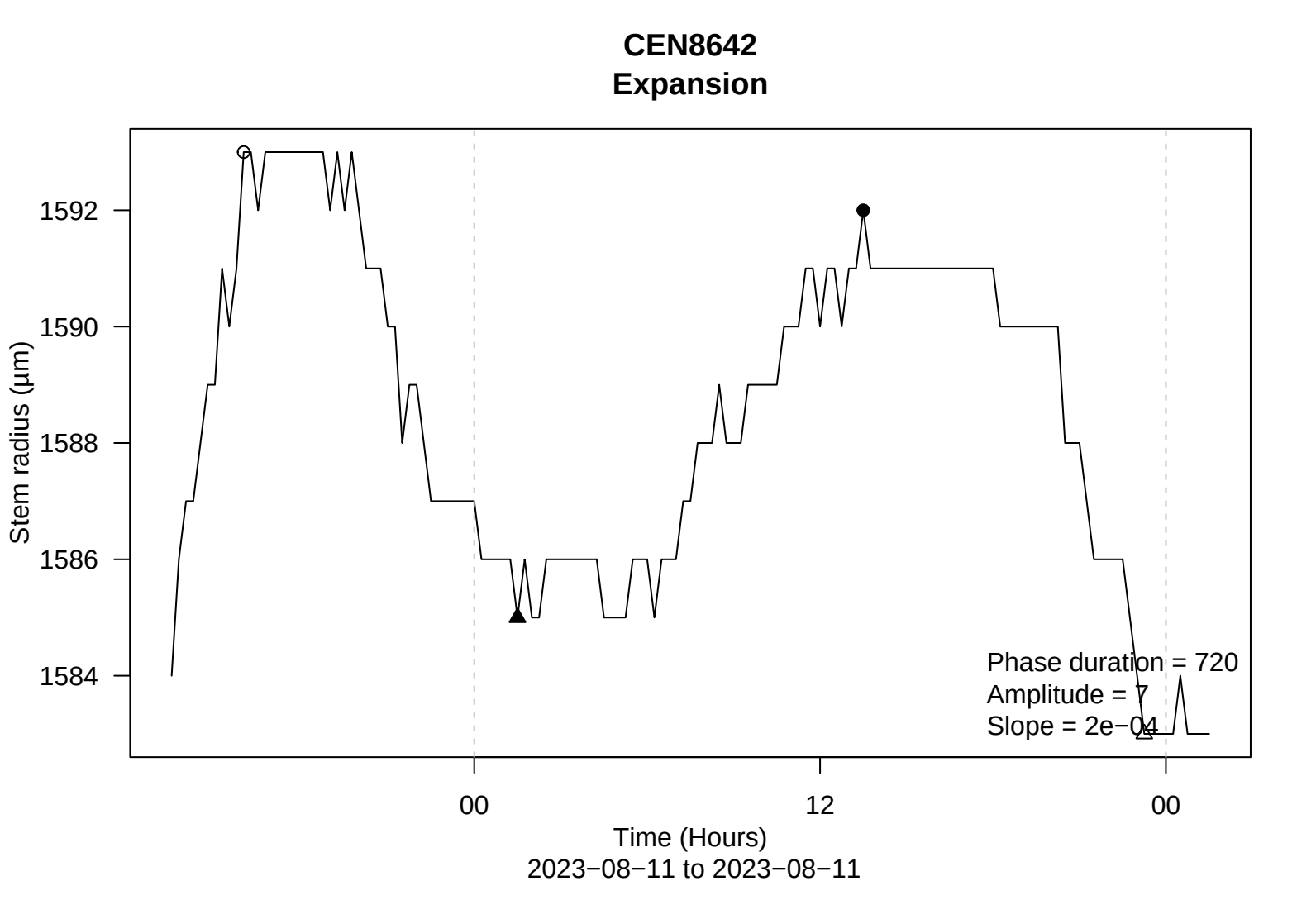

CEN8642
Shrinkage
Stem radius (µm)
1590
1585
1580
Phase duration = 1065
Amplitude = −13
Slope = −2e−04
00
12
00
12
Time (Hours)
2023−08−08 to 2023−08−09

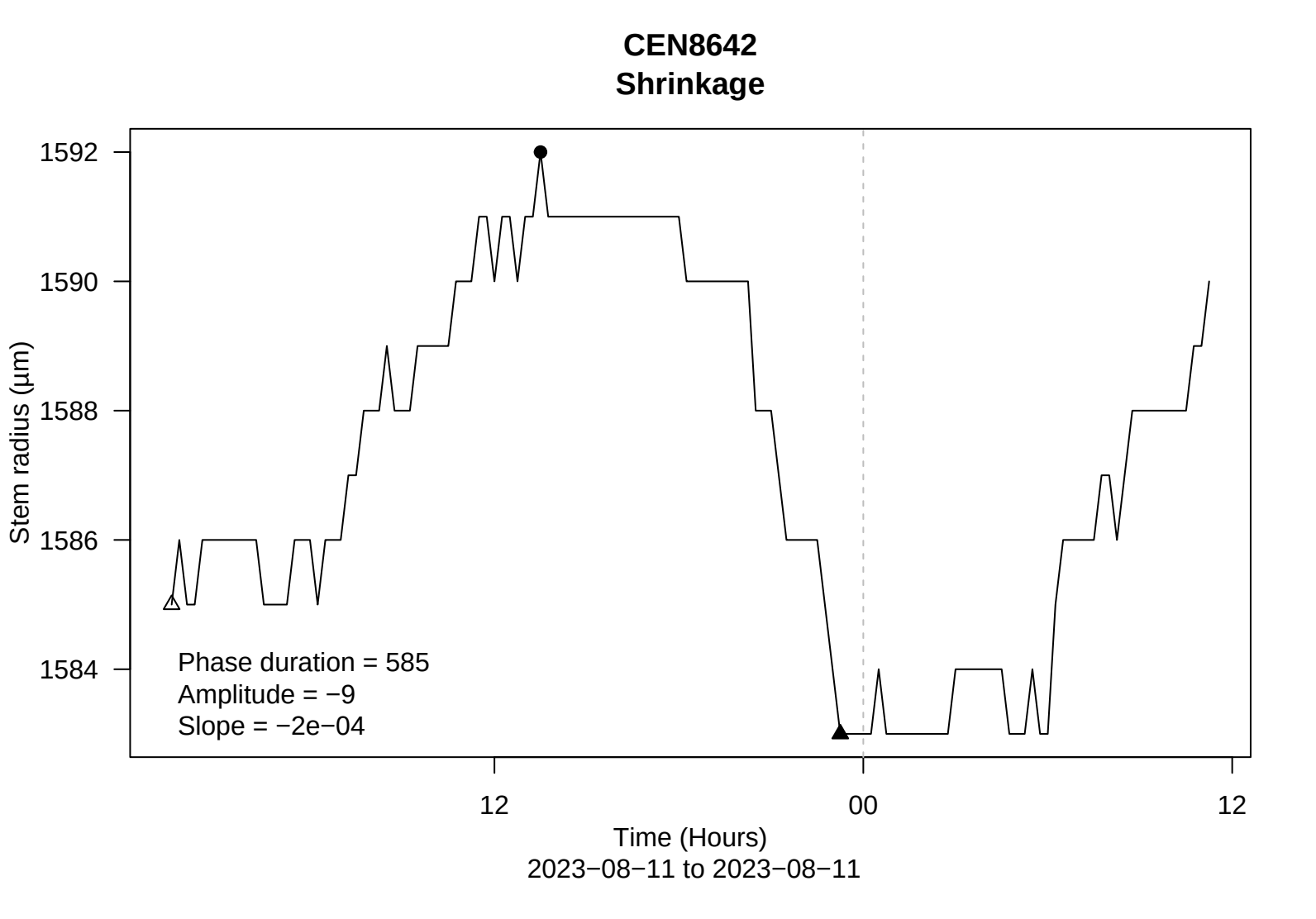

CEN8642
Expansion
1590
1585
1580
1575
Stem radius (µm)
Phase duration = 420
Amplitude = 7
Slope = 2e−04
00
12
00
Time (Hours)
2023−08−09 to 2023−08−09

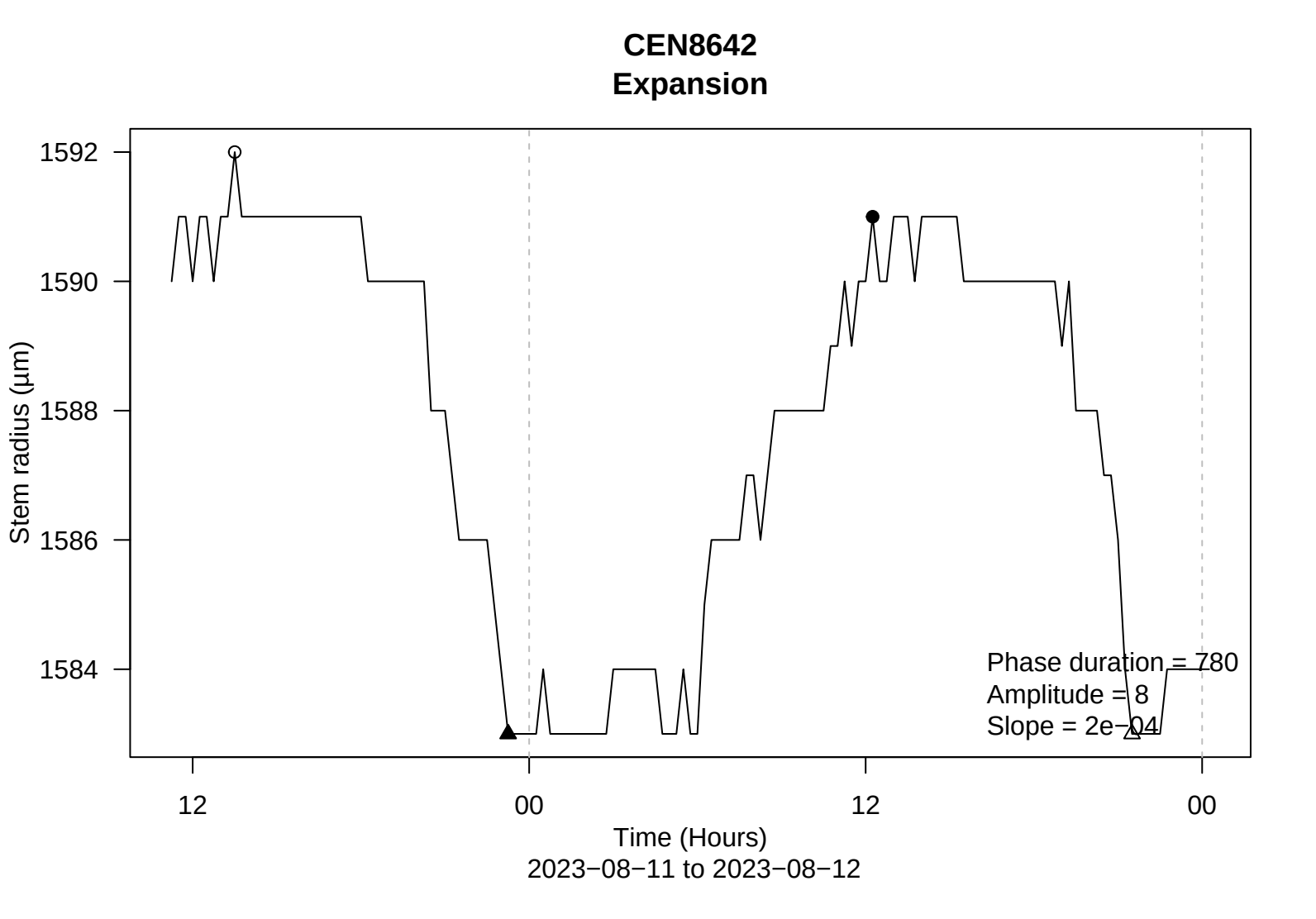

CEN8642
Shrinkage
1584
1582
1580
1578
1576
Stem radius (µm)
Phase duration = 630
Amplitude = −10
Slope = −2e−04
00
12
00
12
Time (Hours)
2023−08−09 to 2023−08−09

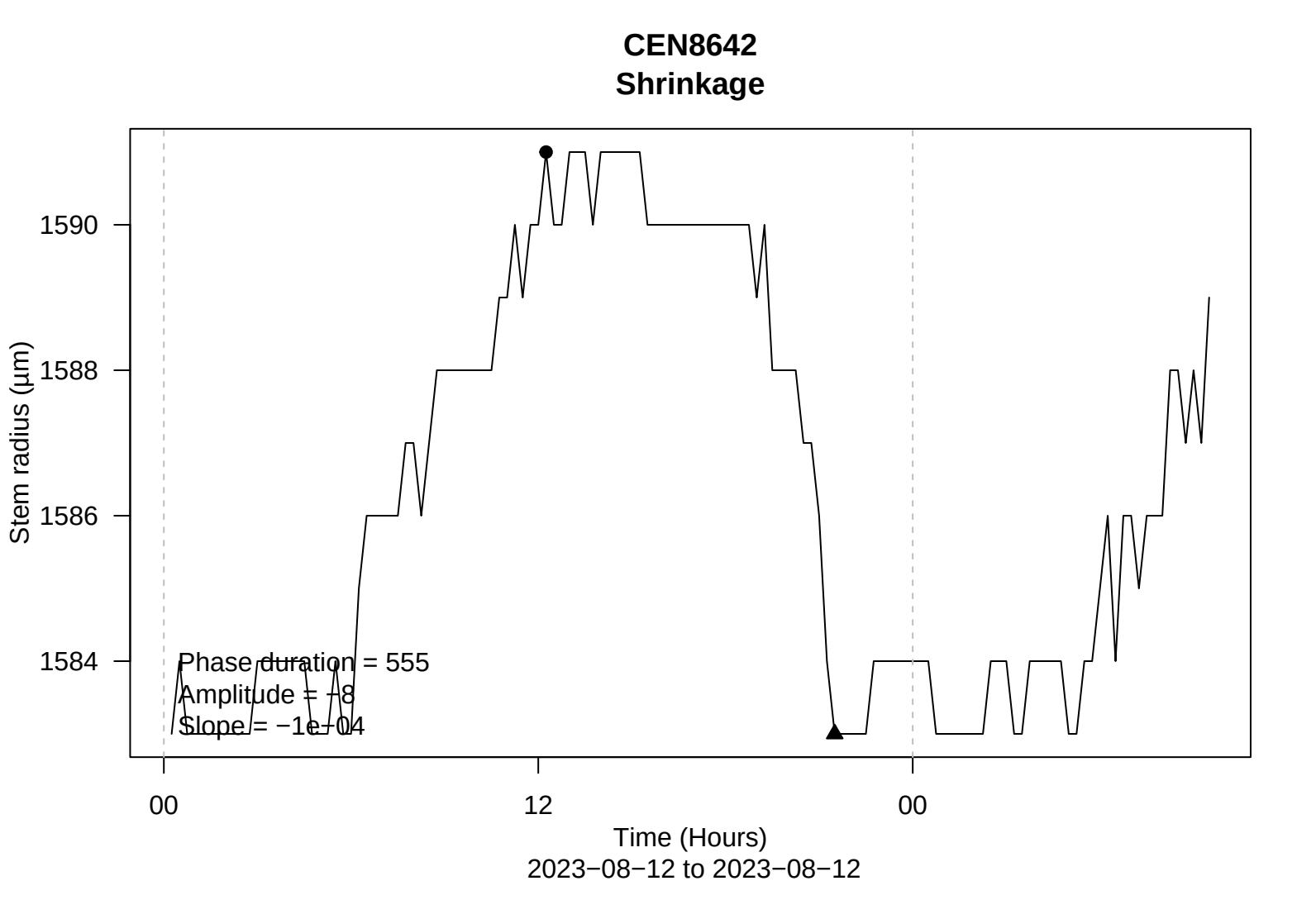

CEN8642
Expansion
1590
1585
1580
1575
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−08−09 to 2023−08−10
Phase duration = 1005
Amplitude = 18
Slope = 3e−04

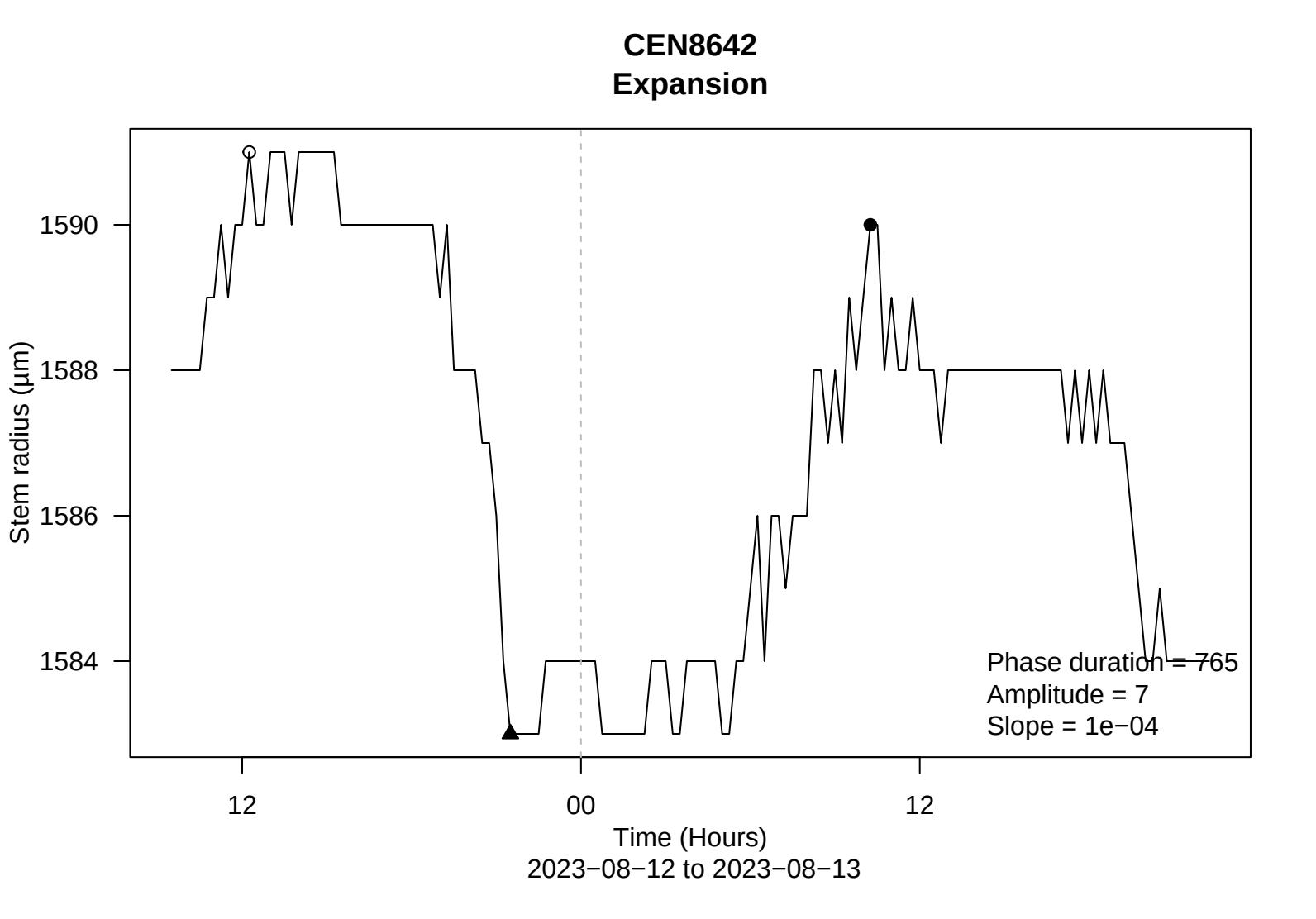

CEN8642
Shrinkage
Stem radius (µm)
1590
1585
1580
1575
Phase duration = 570
Amplitude = −8
Slope = −3e−04
12
00
12
Time (Hours)
2023−08−10 to 2023−08−11

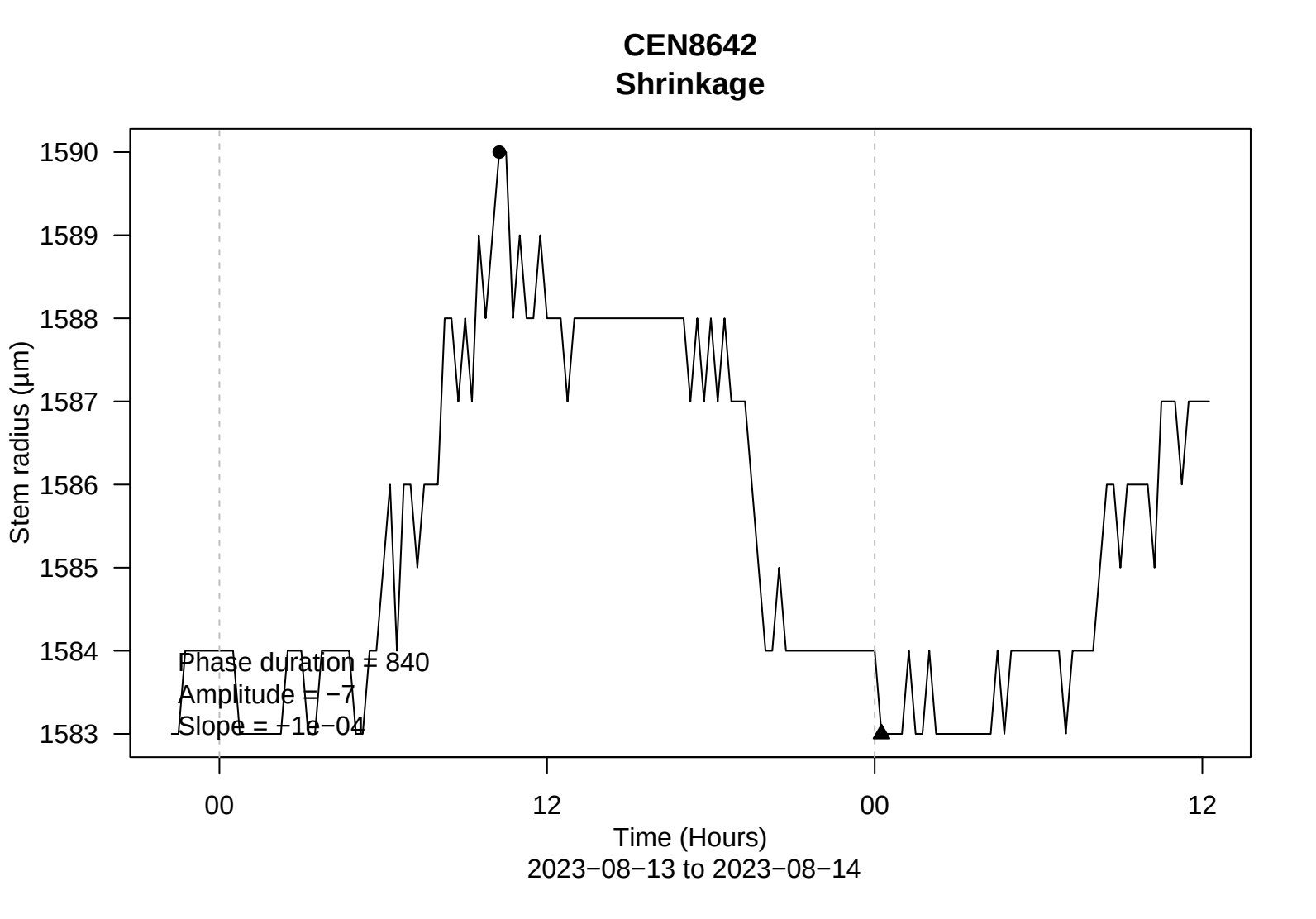

CEN8642
Expansion
1592
1590
1588
1586
1584
Stem radius (µm)
Phase duration = 720
Amplitude = 7
Slope = 2e−04
00
12
00
Time (Hours)
2023−08−11 to 2023−08−11

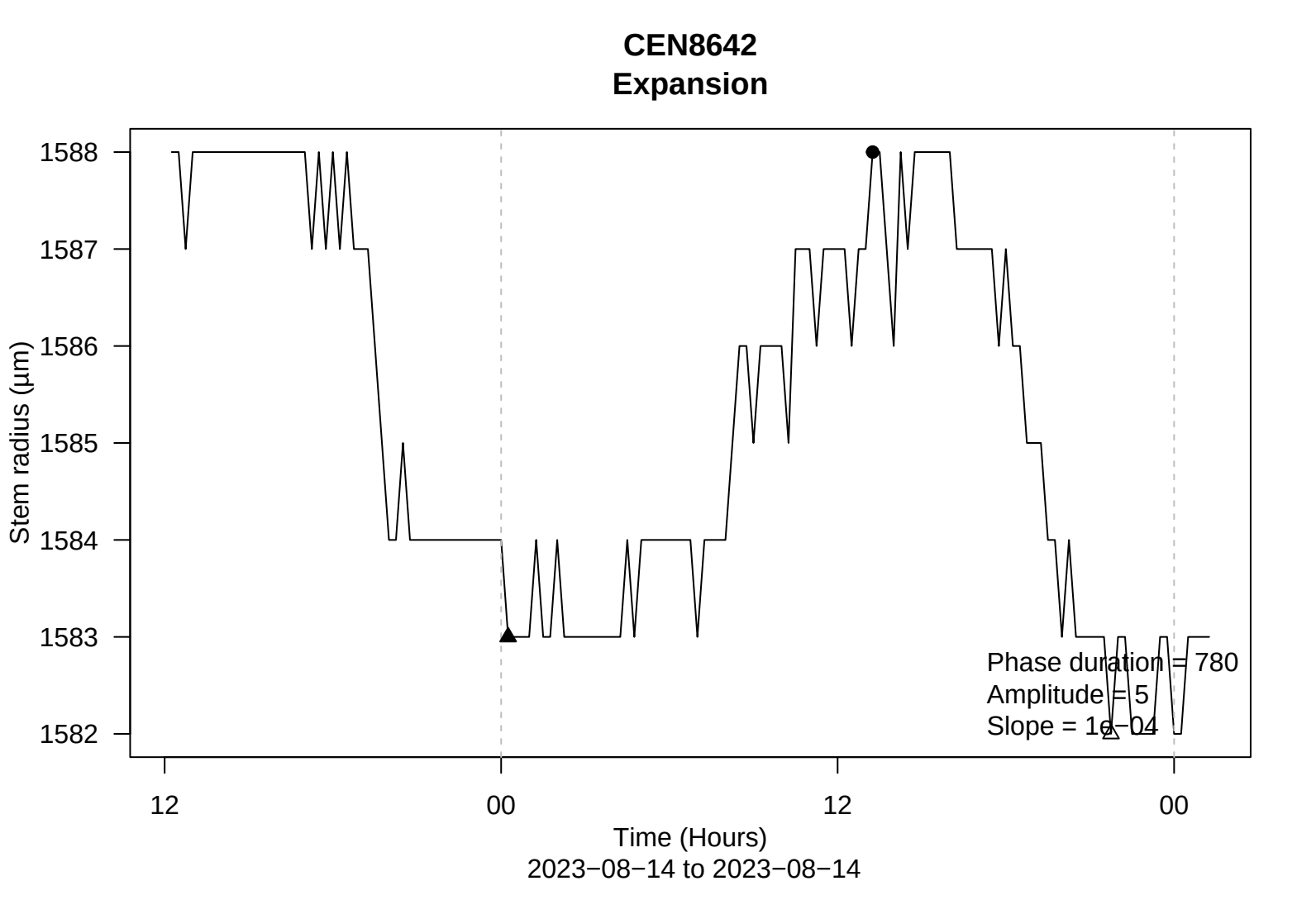

CEN8642
Shrinkage
1592
1590
1588
1586
1584
Stem radius (µm)
Phase duration = 585
Amplitude = −9
Slope = −2e−04
12
00
12
Time (Hours)
2023−08−11 to 2023−08−11

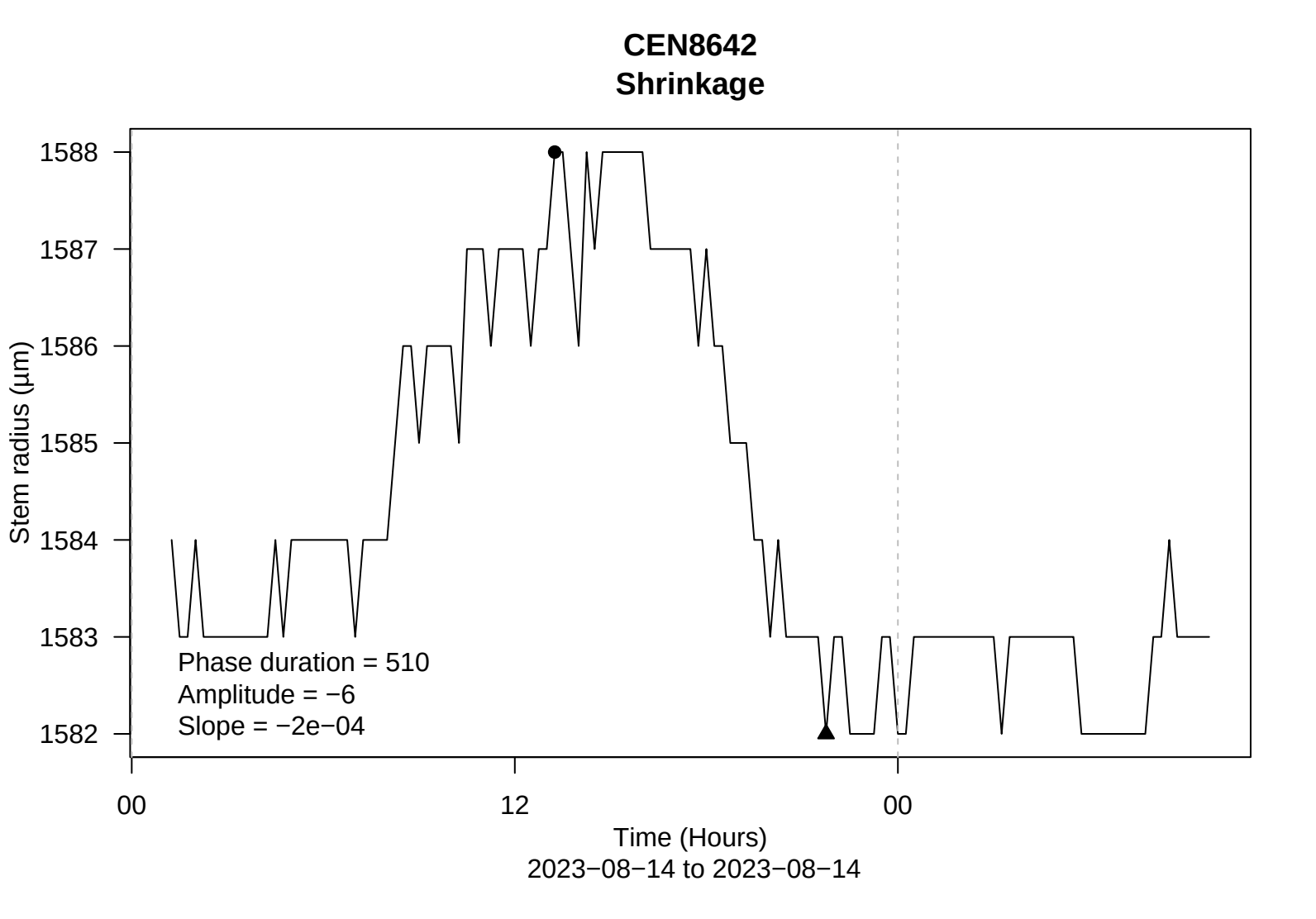

CEN8642
Expansion
1592
1590
1588
1586
1584
Stem radius (µm)
Phase duration = 780
Amplitude = 8
Slope = 2e−04
12
00
12
00
Time (Hours)
2023−08−11 to 2023−08−12

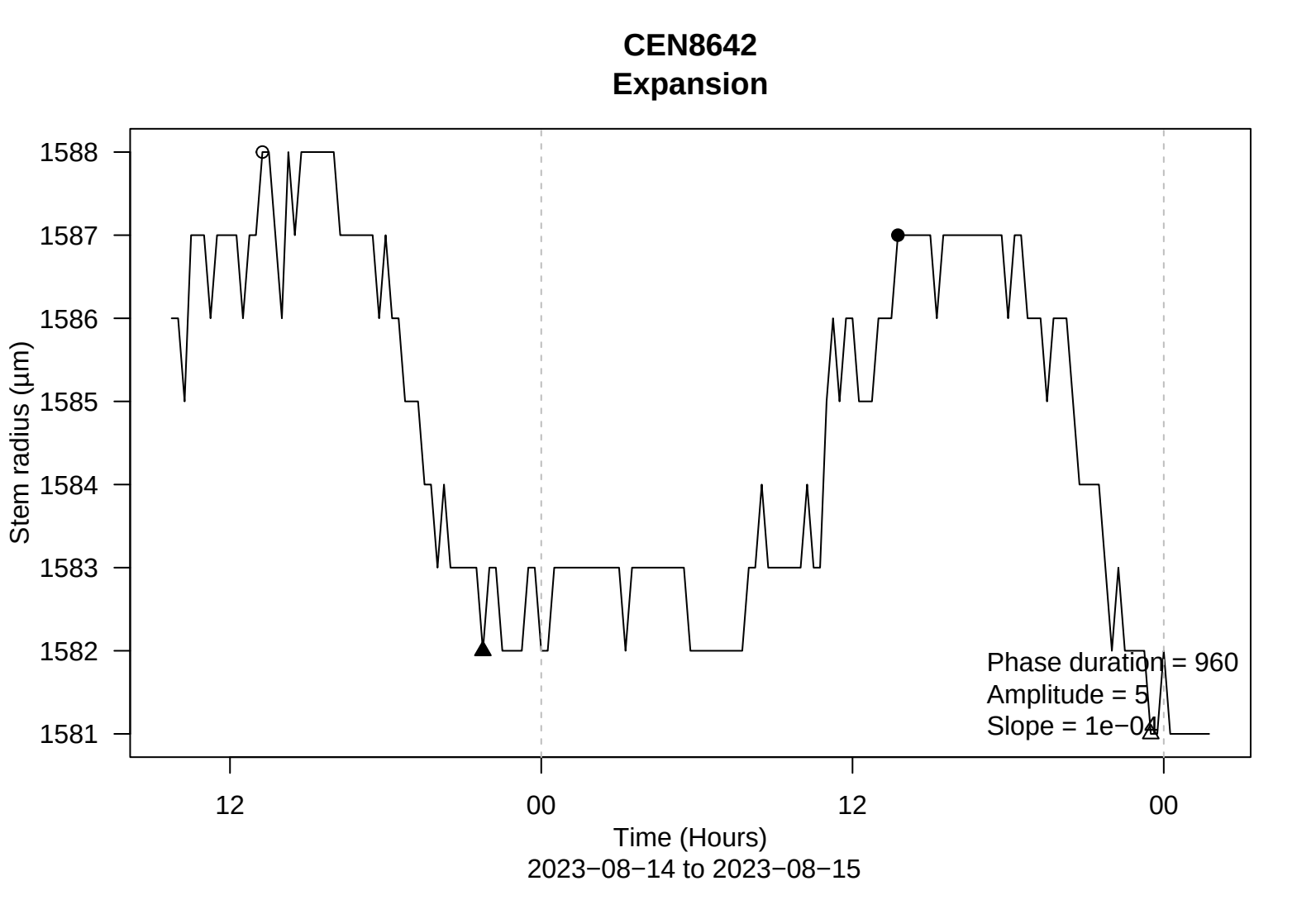

CEN8642
Shrinkage
1590
1588
1586
1584
Stem radius (µm)
Phase duration = 555
Amplitude = −8
Slope = −1e−04
00
12
00
Time (Hours)
2023−08−12 to 2023−08−12

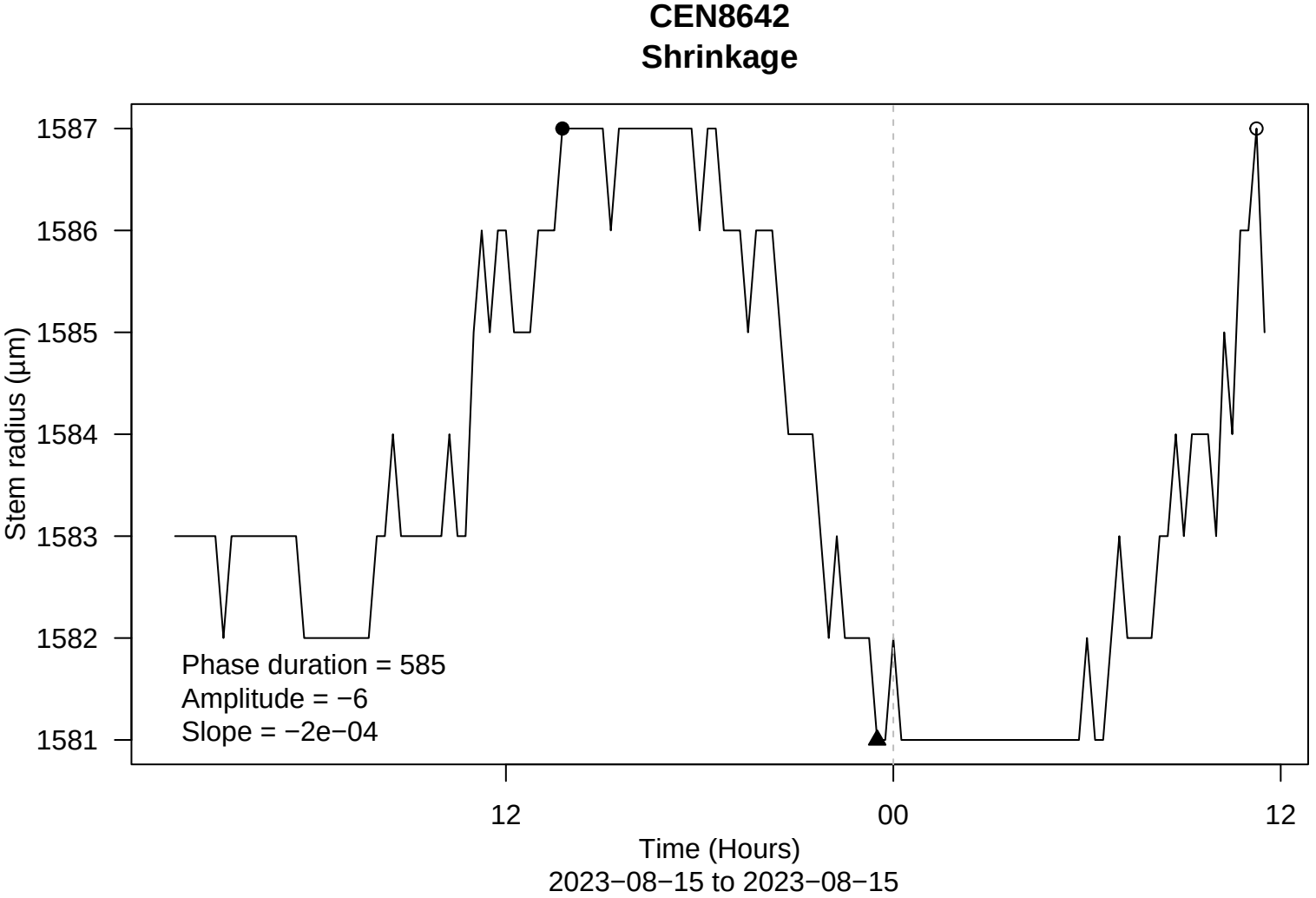

CEN8642
Expansion
1590
1588
1586
1584
Stem radius (µm)
12
00
12
Time (Hours)
2023−08−12 to 2023−08−13
Phase duration = 765
Amplitude = 7
Slope = 1e−04

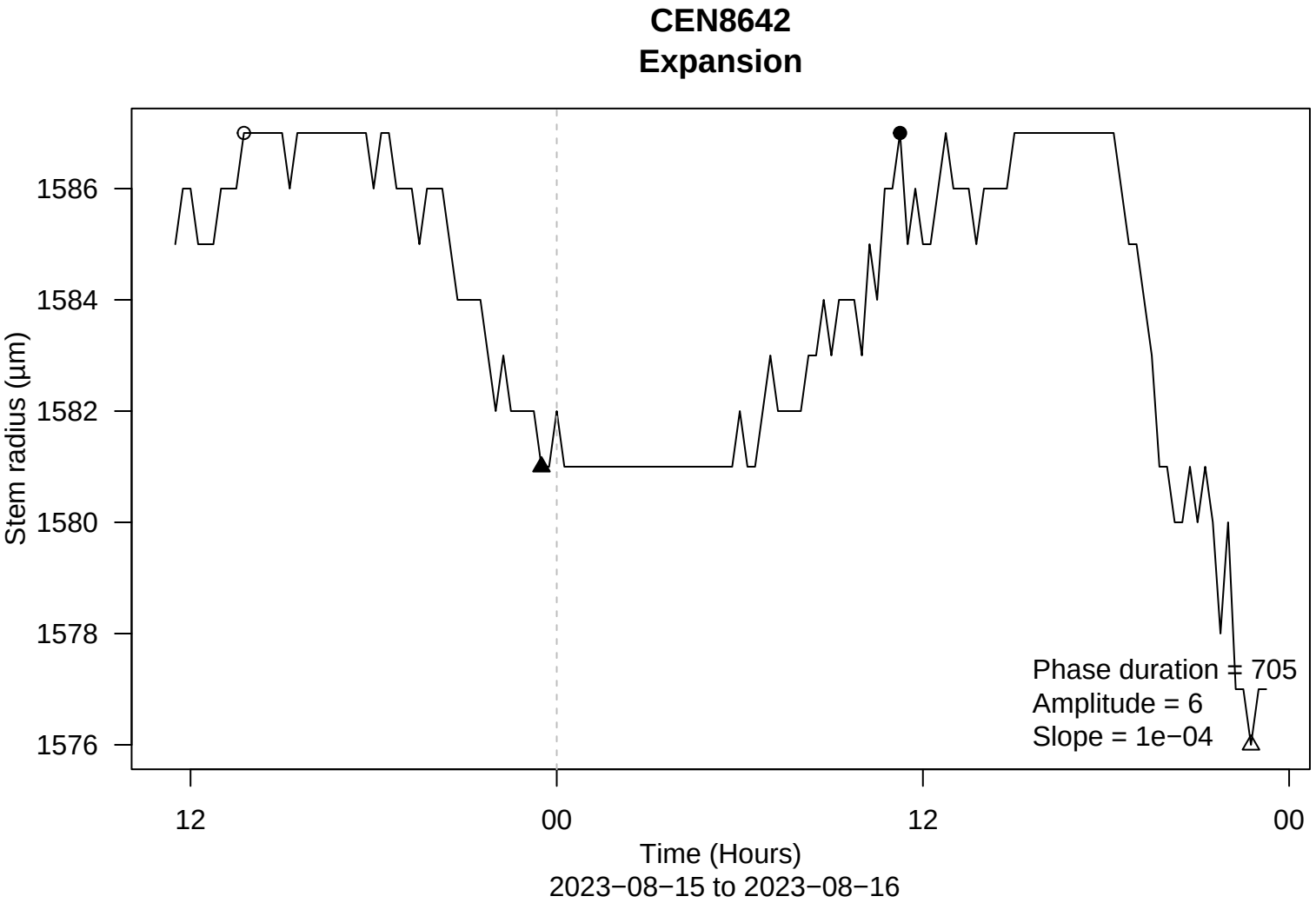

CEN8642
Shrinkage
1590
1589
1588
1587
1586
1585
1584
1583
Stem radius (µm)
Phase duration = 840
Amplitude = −7
Slope = −1e−04
00
12
00
12
Time (Hours)
2023−08−13 to 2023−08−14

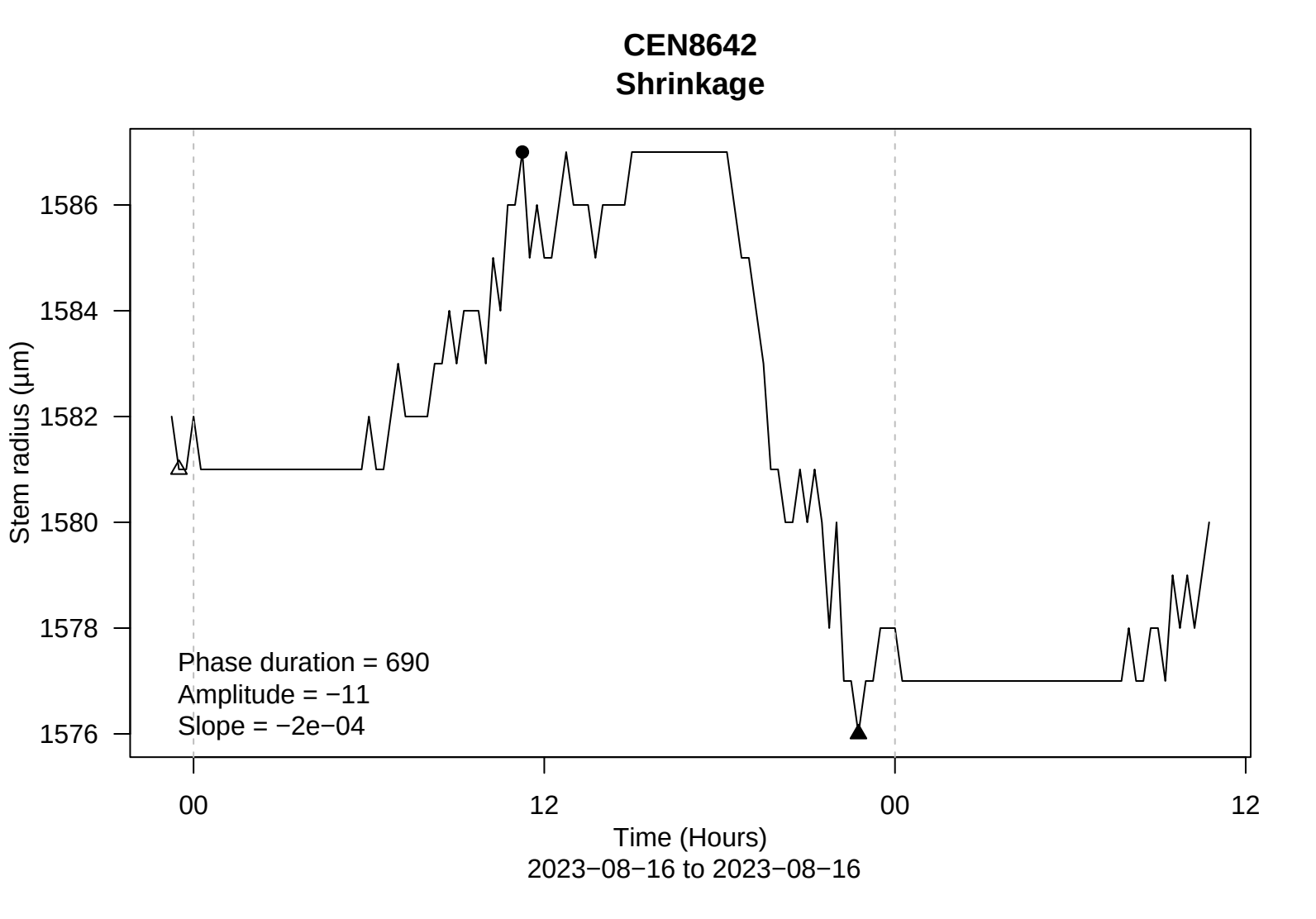

CEN8642
Expansion
1588
1587
1586
1585
1584
1583
1582
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−08−14 to 2023−08−14
Phase duration = 780
Amplitude = 5
Slope = 1e−04

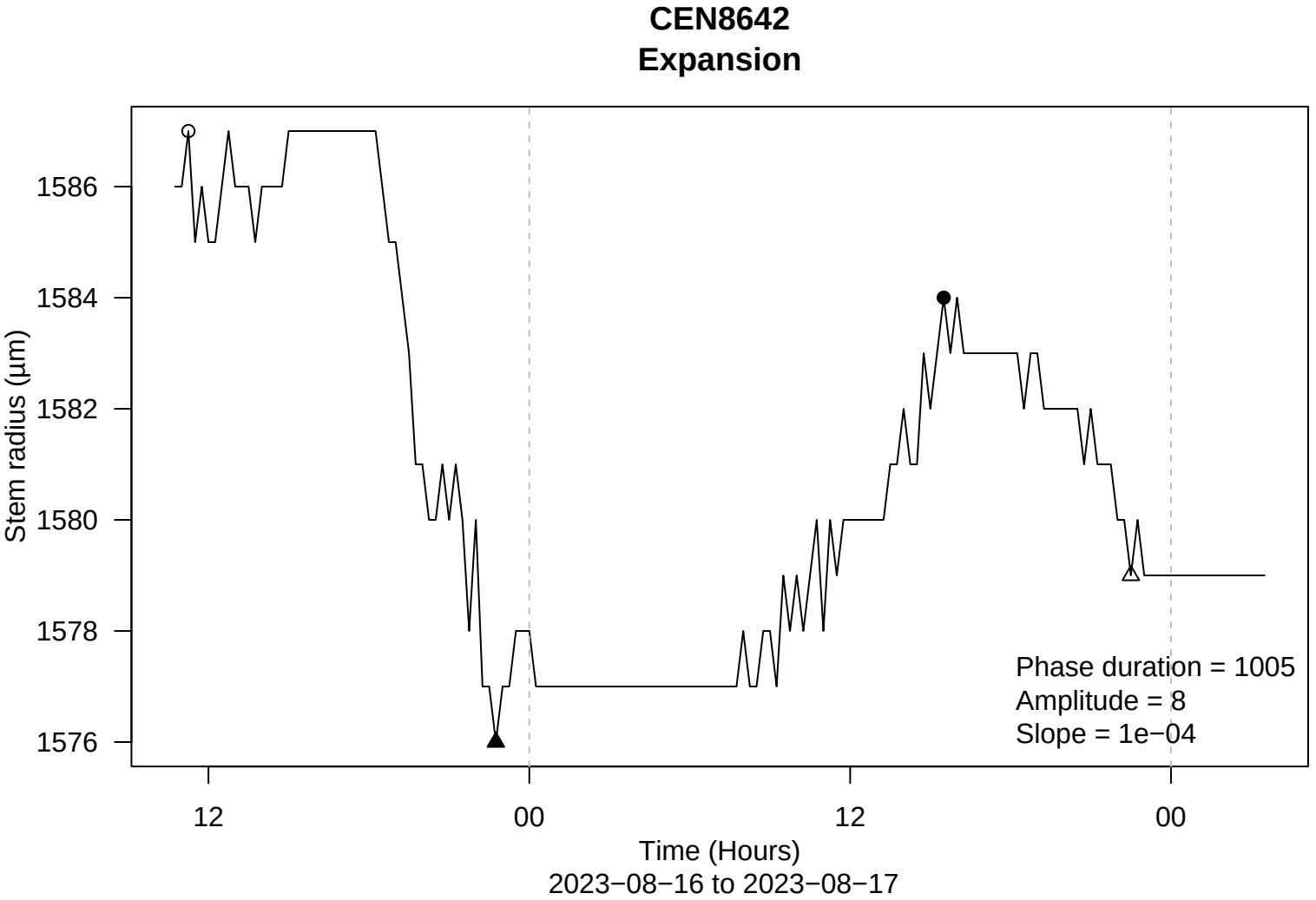

CEN8642
Shrinkage
Stem radius (µm)
1588
1587
1586
1585
1584
1583
1582
Phase duration = 510
Amplitude = −6
Slope = −2e−04
00
12
00
Time (Hours)
2023−08−14 to 2023−08−14

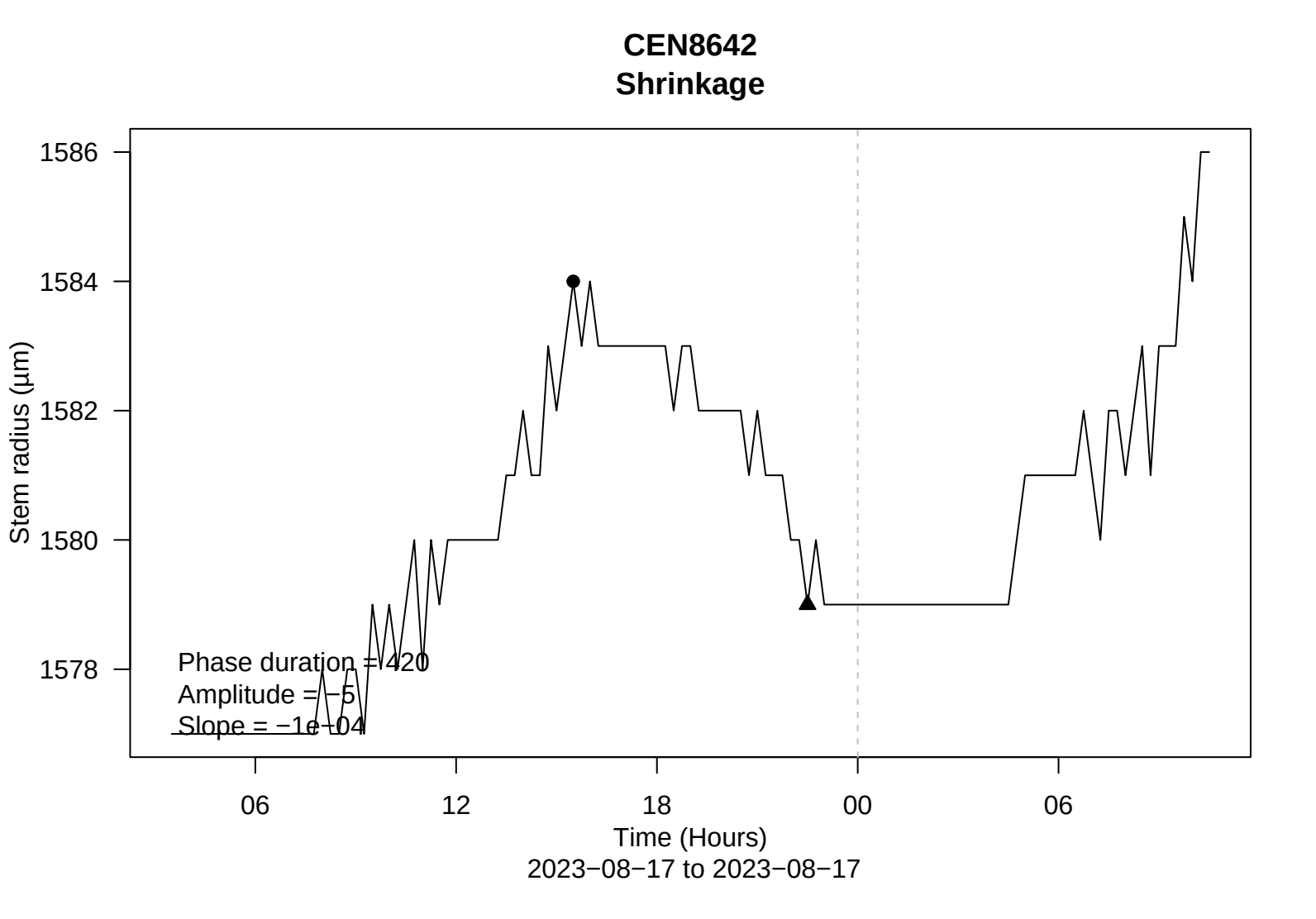

CEN8642
Expansion
1588
1587
1586
1585
1584
1583
1582
1581
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−08−14 to 2023−08−15
Phase duration = 960
Amplitude = 5
Slope = 1e−04

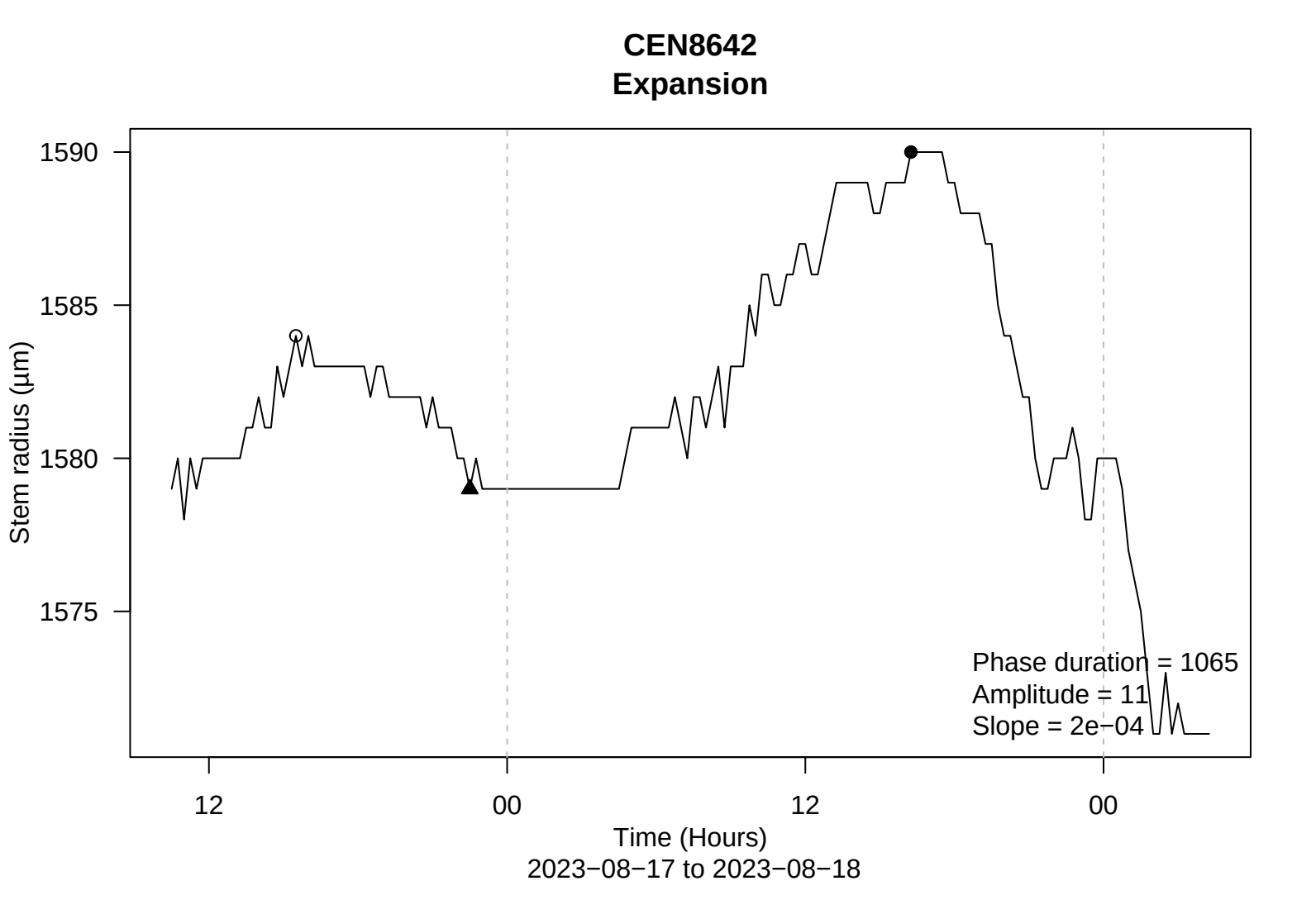

CEN8642
Shrinkage
1587
1586
1585
1584
1583
1582
1581
Stem radius (µm)
Phase duration = 585
Amplitude = −6
Slope = −2e−04
12
00
12
Time (Hours)
2023−08−15 to 2023−08−15

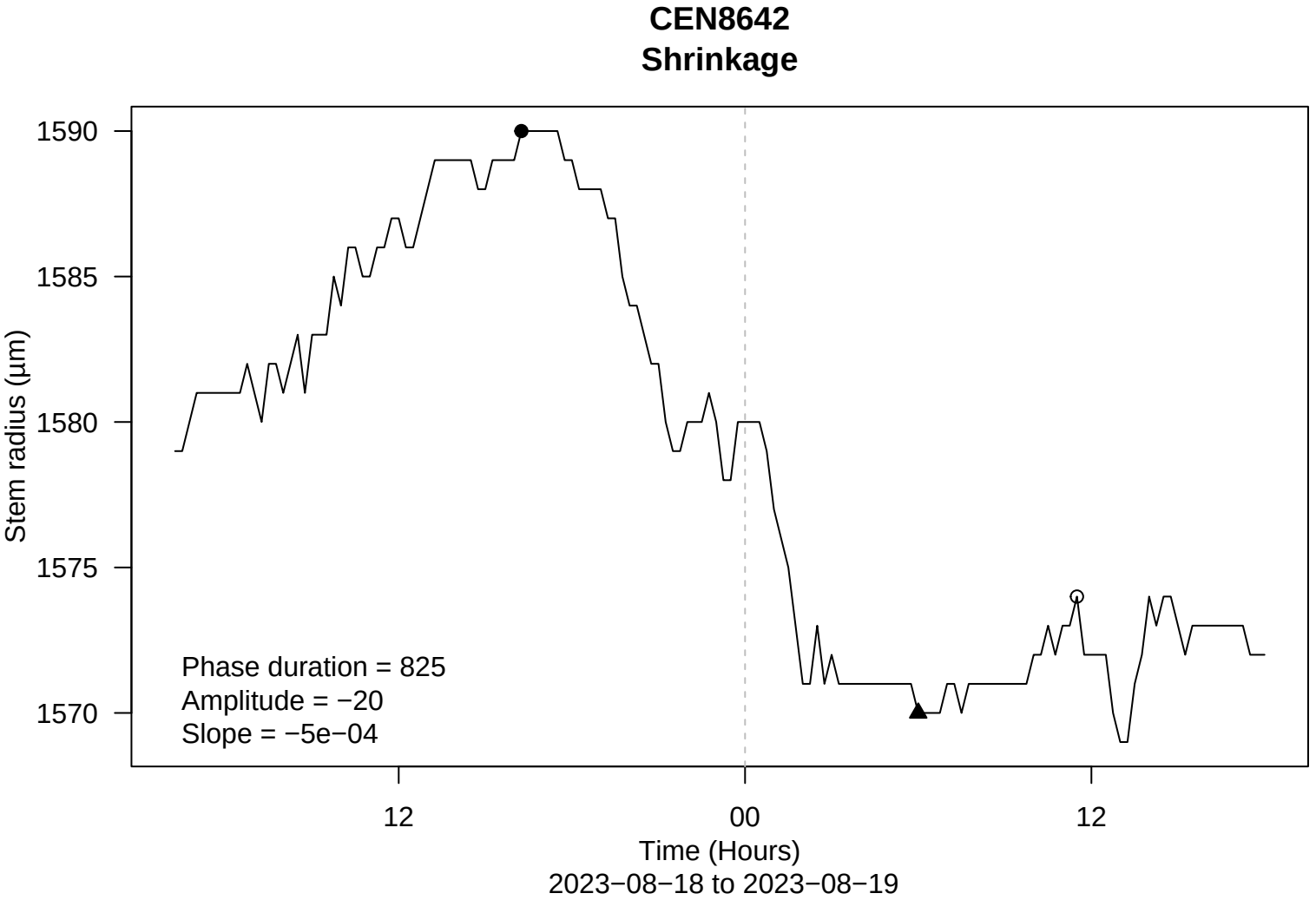

CEN8642
Expansion
1586
1584
1582
1580
1578
1576
Stem radius (µm)
Phase duration = 705
Amplitude = 6
Slope = 1e−04
12
00
12
00
Time (Hours)
2023−08−15 to 2023−08−16

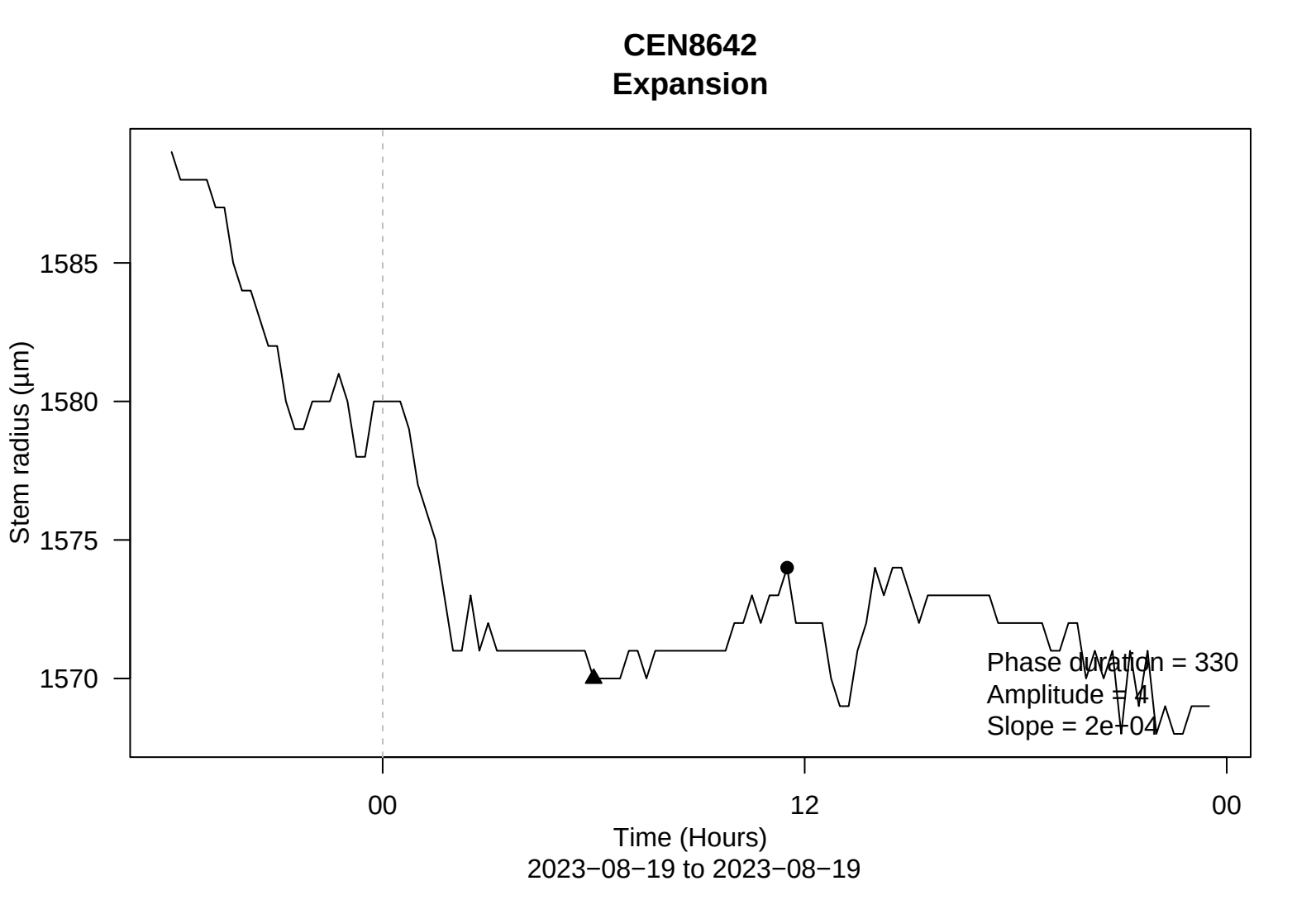

CEN8642
Shrinkage
Stem radius (µm)
1586
1584
1582
1580
1578
1576
Phase duration = 690
Amplitude = −11
Slope = −2e−04
00
12
00
12
Time (Hours)
2023−08−16 to 2023−08−16

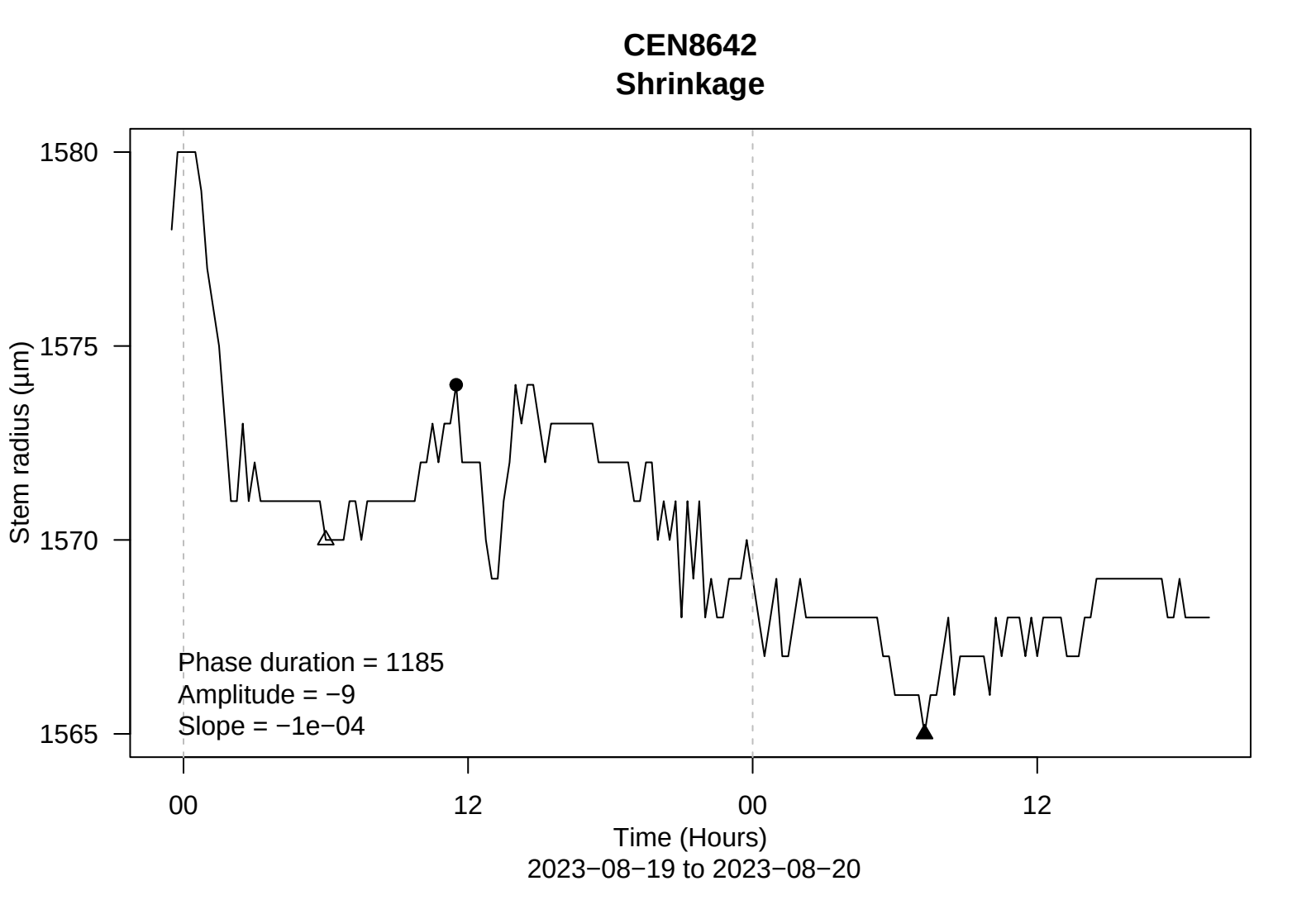

CEN8642
Expansion
1586
1584
1582
1580
1578
1576
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−08−16 to 2023−08−17
Phase duration = 1005
Amplitude = 8
Slope = 1e−04

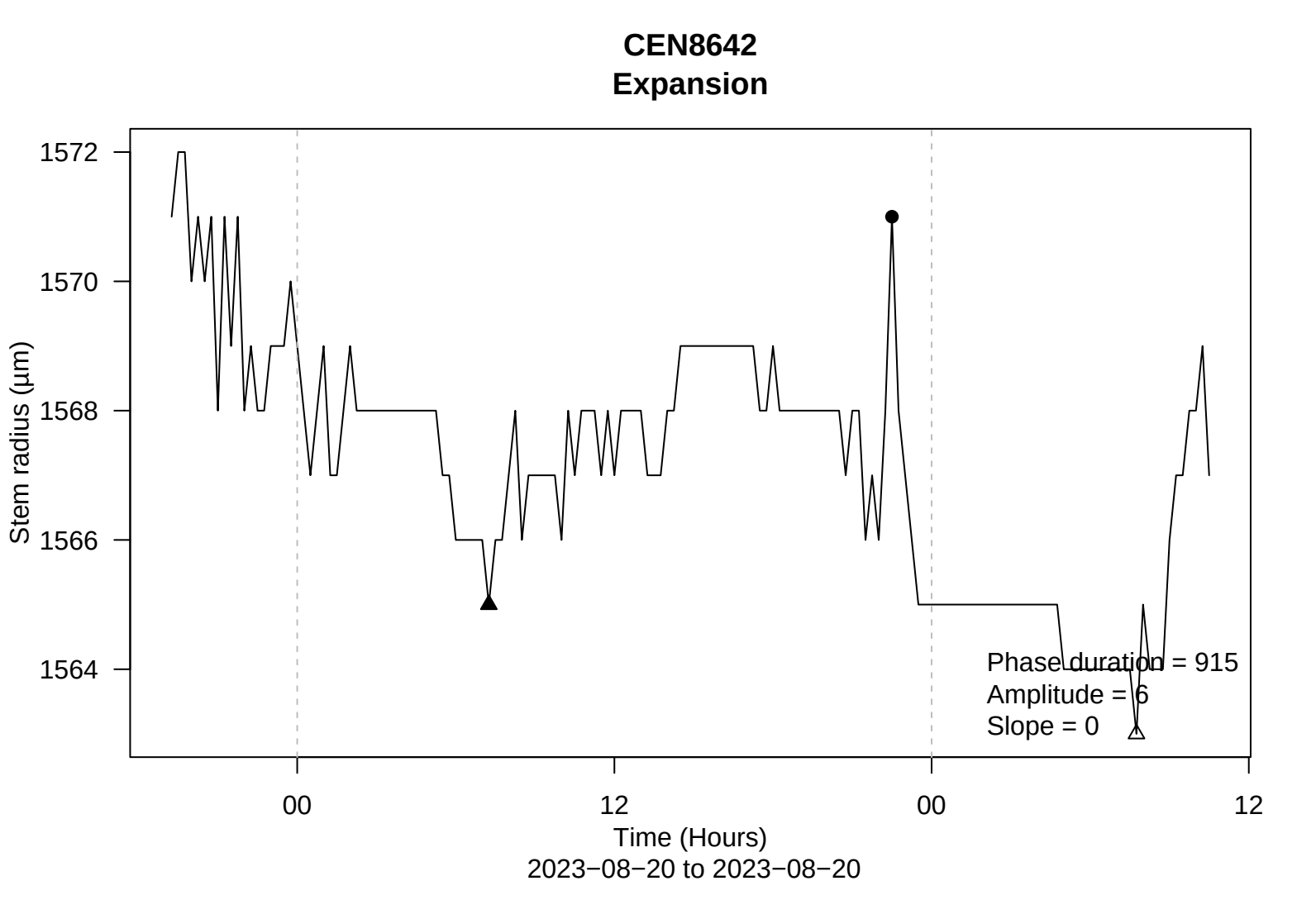

CEN8642
Shrinkage
1586
1584
1582
1580
1578
Stem radius (µm)
Phase duration = 420
Amplitude = −5
Slope = −1e−04
06
12
18
00
06
Time (Hours)
2023−08−17 to 2023−08−17

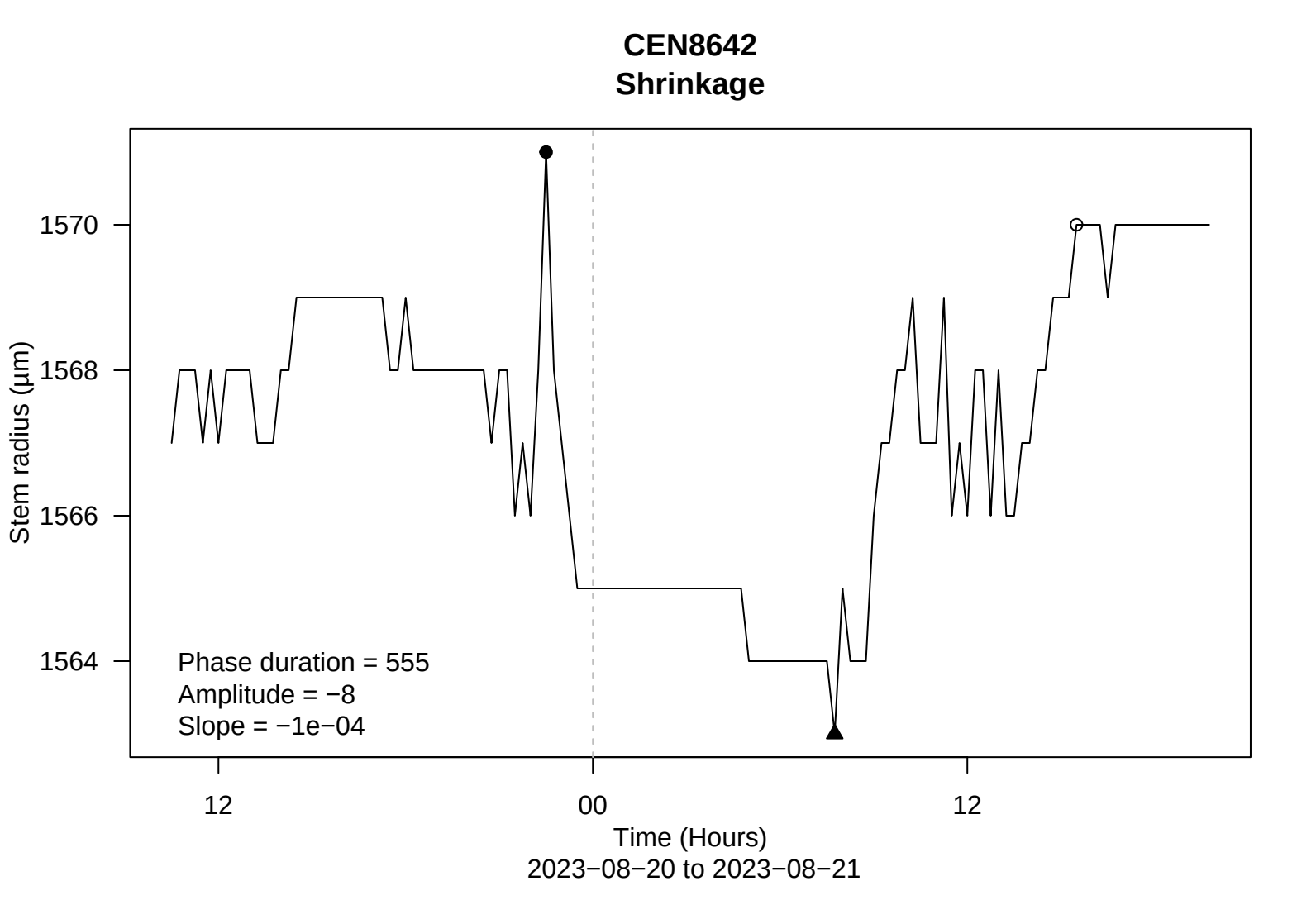

CEN8642
Expansion
1590
1585
1580
1575
Stem radius (µm)
Phase duration = 1065
Amplitude = 11
Slope = 2e−04
12
00
12
00
Time (Hours)
2023−08−17 to 2023−08−18

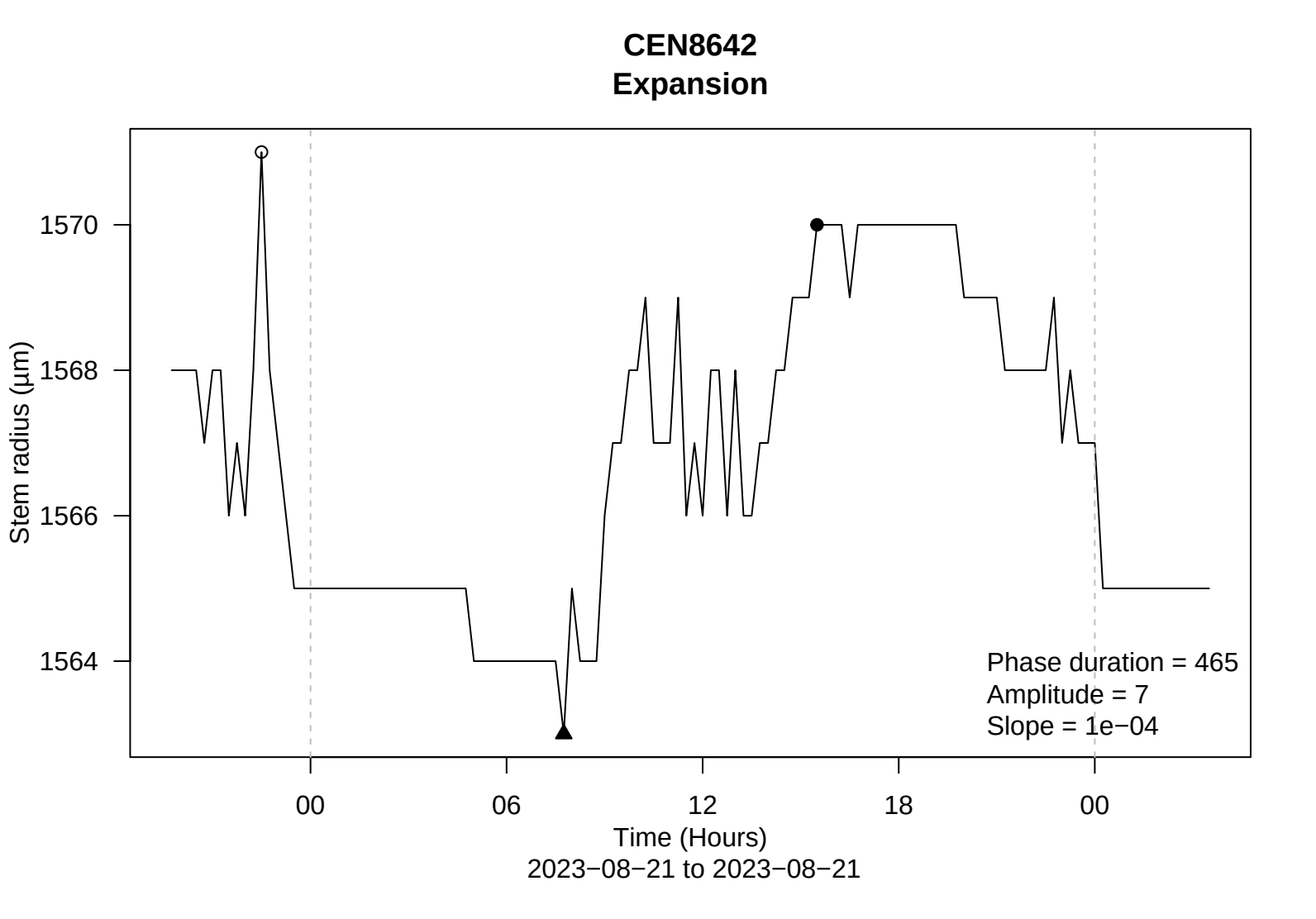

CEN8642
Shrinkage
1590
1585
1580
1575
1570
Stem radius (µm)
Phase duration = 825
Amplitude = −20
Slope = −5e−04
12
00
12
Time (Hours)
2023−08−18 to 2023−08−19

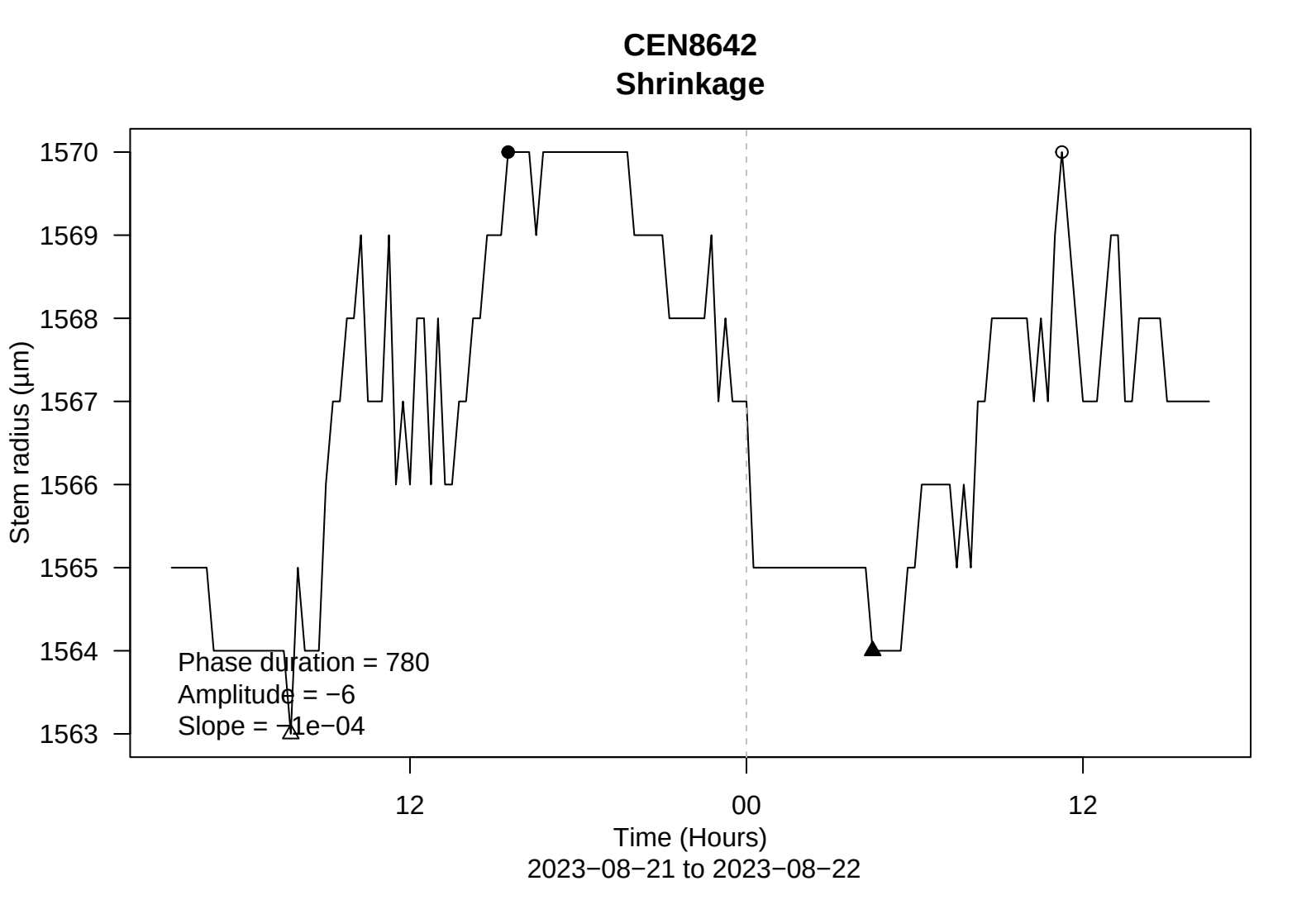

CEN8642
Expansion
1585
1580
1575
1570
Stem radius (µm)
00
12
00
Time (Hours)
2023−08−19 to 2023−08−19
Phase duration = 330
Amplitude = 4
Slope = 2e+04

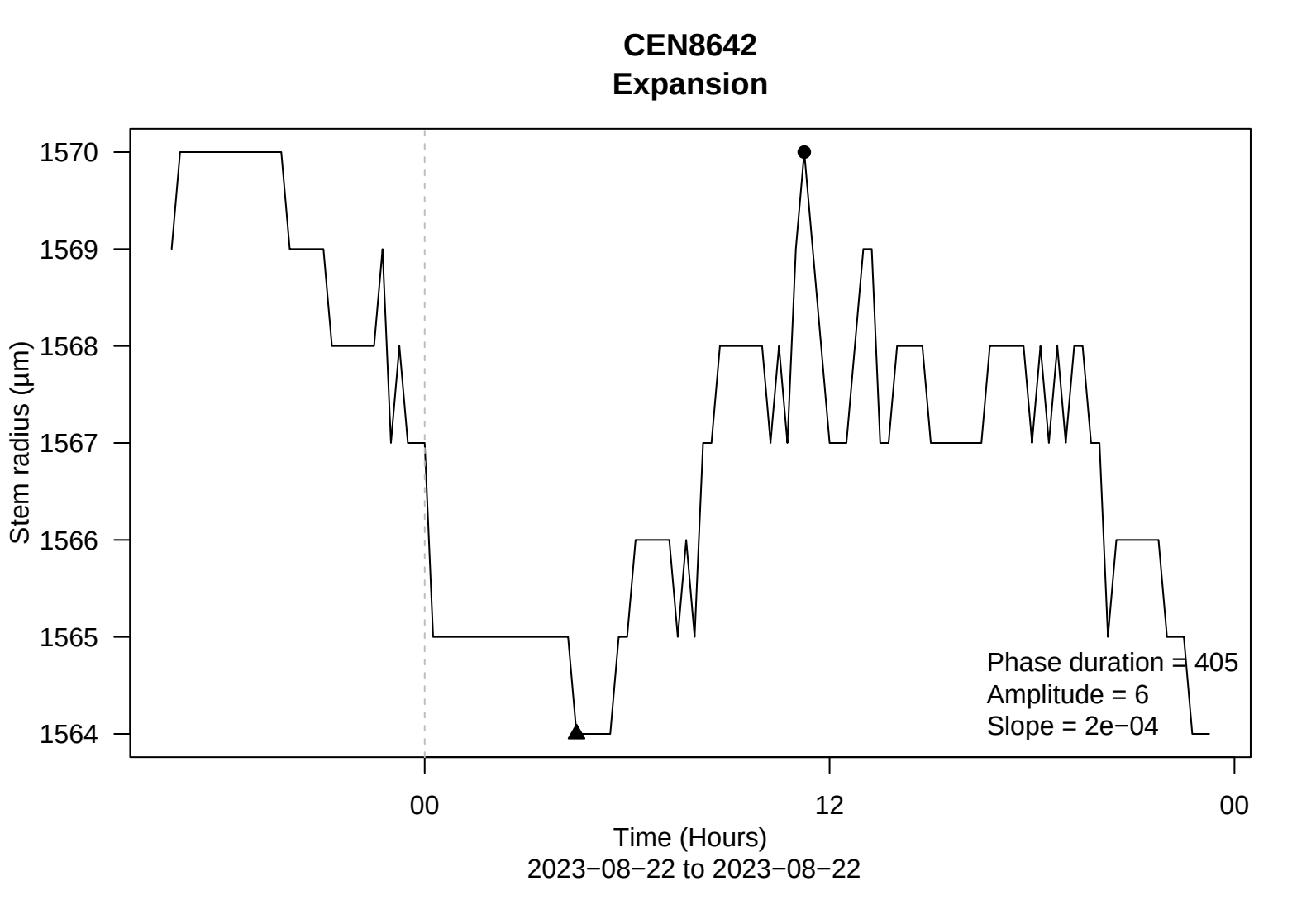

CEN8642
Shrinkage
1580
1575
1570
1565
Stem radius (µm)
Phase duration = 1185
Amplitude = −9
Slope = −1e−04
00
12
00
12
Time (Hours)
2023−08−19 to 2023−08−20


CEN8642
Expansion
1572
1570
1568
1566
1564
Stem radius (µm)
Phase duration = 915
Amplitude = 6
Slope = 0
00
12
00
12
Time (Hours)
2023−08−20 to 2023−08−20


CEN8642
Shrinkage
1570
1568
1566
1564
Stem radius (µm)
Phase duration = 555
Amplitude = −8
Slope = −1e−04
12
00
12
Time (Hours)
2023−08−20 to 2023−08−21


CEN8642
Expansion
1570
1568
1566
1564
Stem radius (µm)
Phase duration = 465
Amplitude = 7
Slope = 1e−04
00
06
12
18
00
Time (Hours)
2023−08−21 to 2023−08−21


CEN8642
Shrinkage
1570
1569
1568
1567
1566
1565
1564
1563
Stem radius (µm)
Phase duration = 780
Amplitude = −6
Slope = −1e−04
12
00
12
Time (Hours)
2023−08−21 to 2023−08−22


CEN8642
Expansion
1570
1569
1568
1567
1566
1565
1564
Stem radius (µm)
Phase duration = 405
Amplitude = 6
Slope = 2e−04
00
12
00
Time (Hours)
2023−08−22 to 2023−08−22