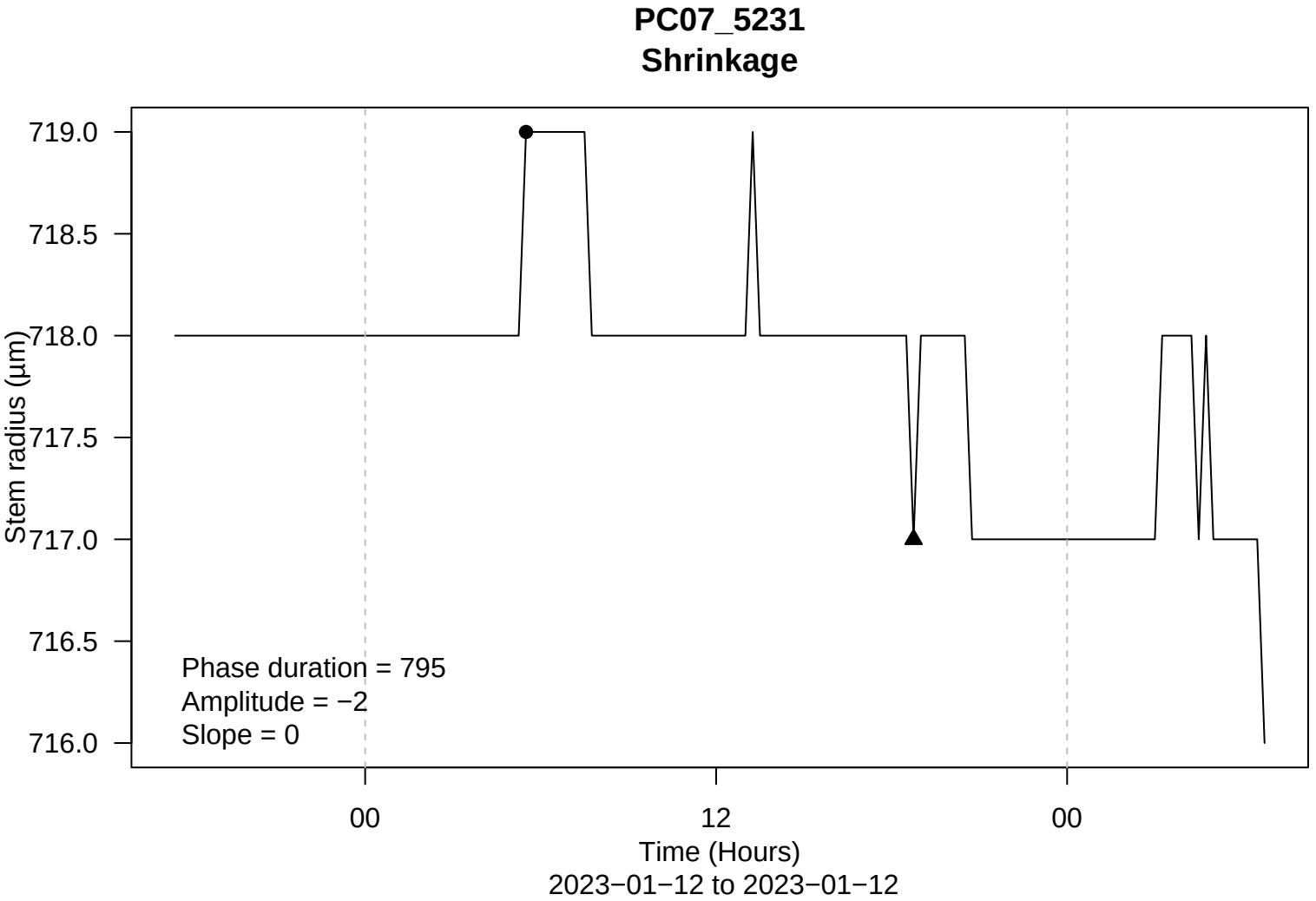
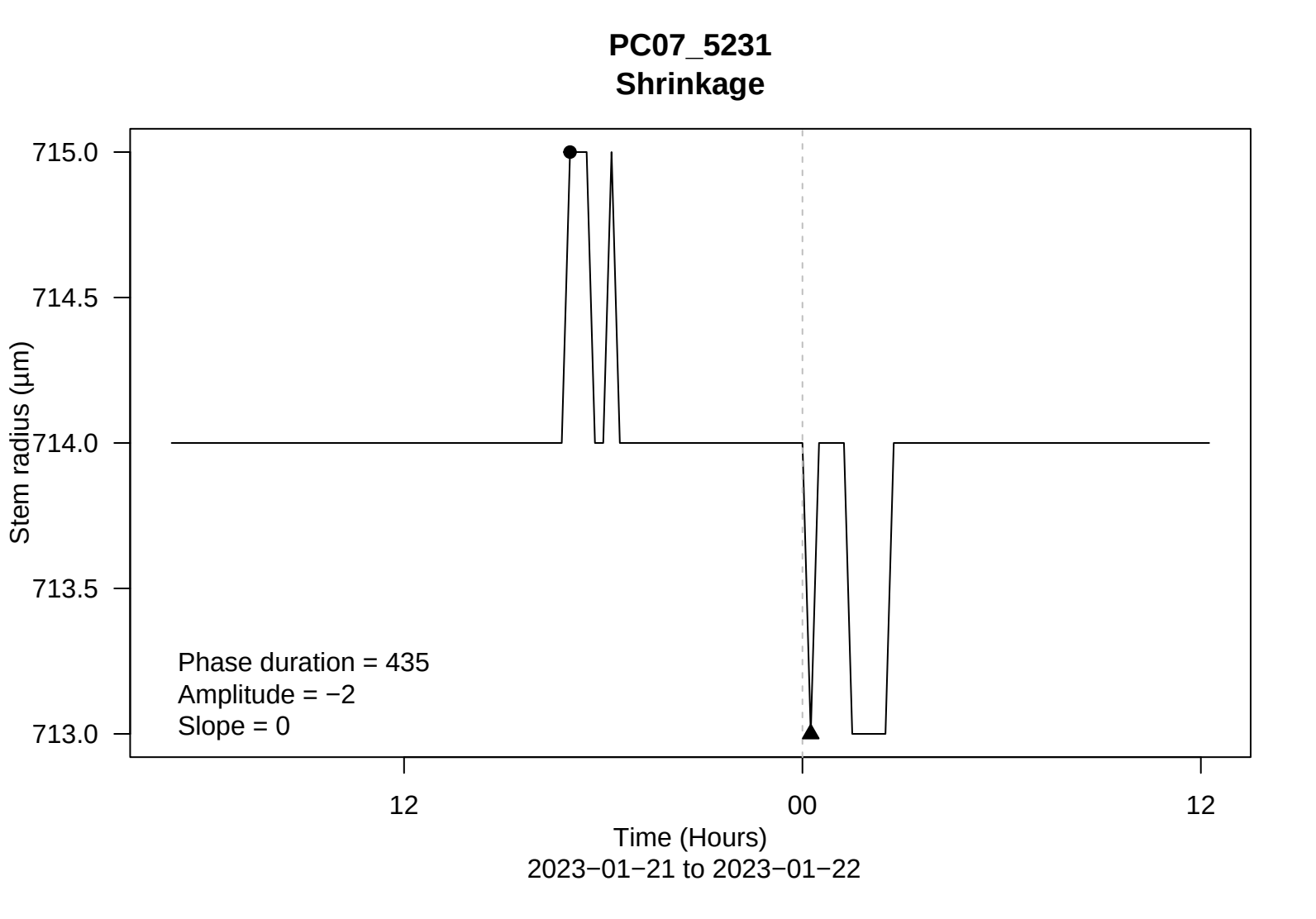
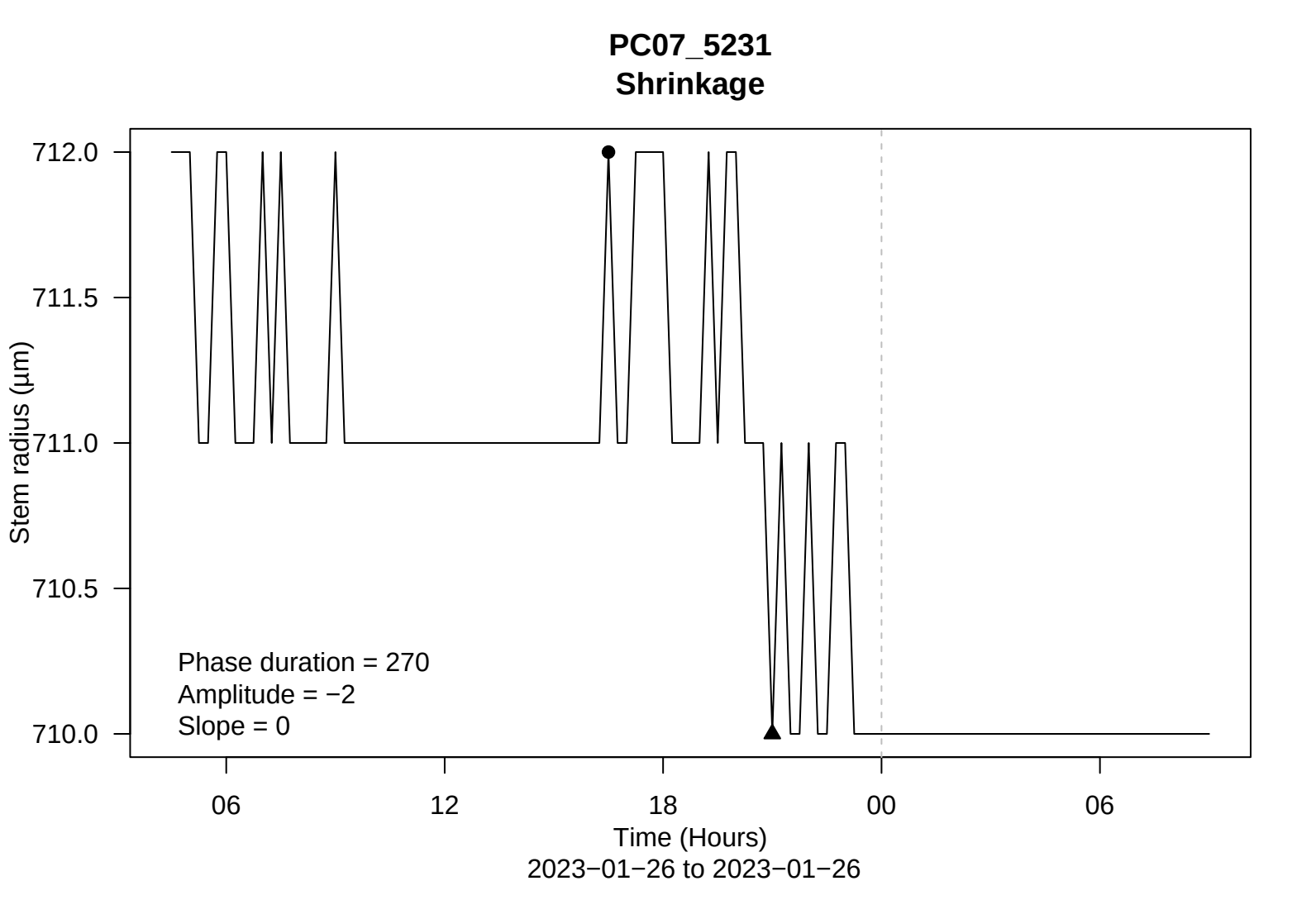
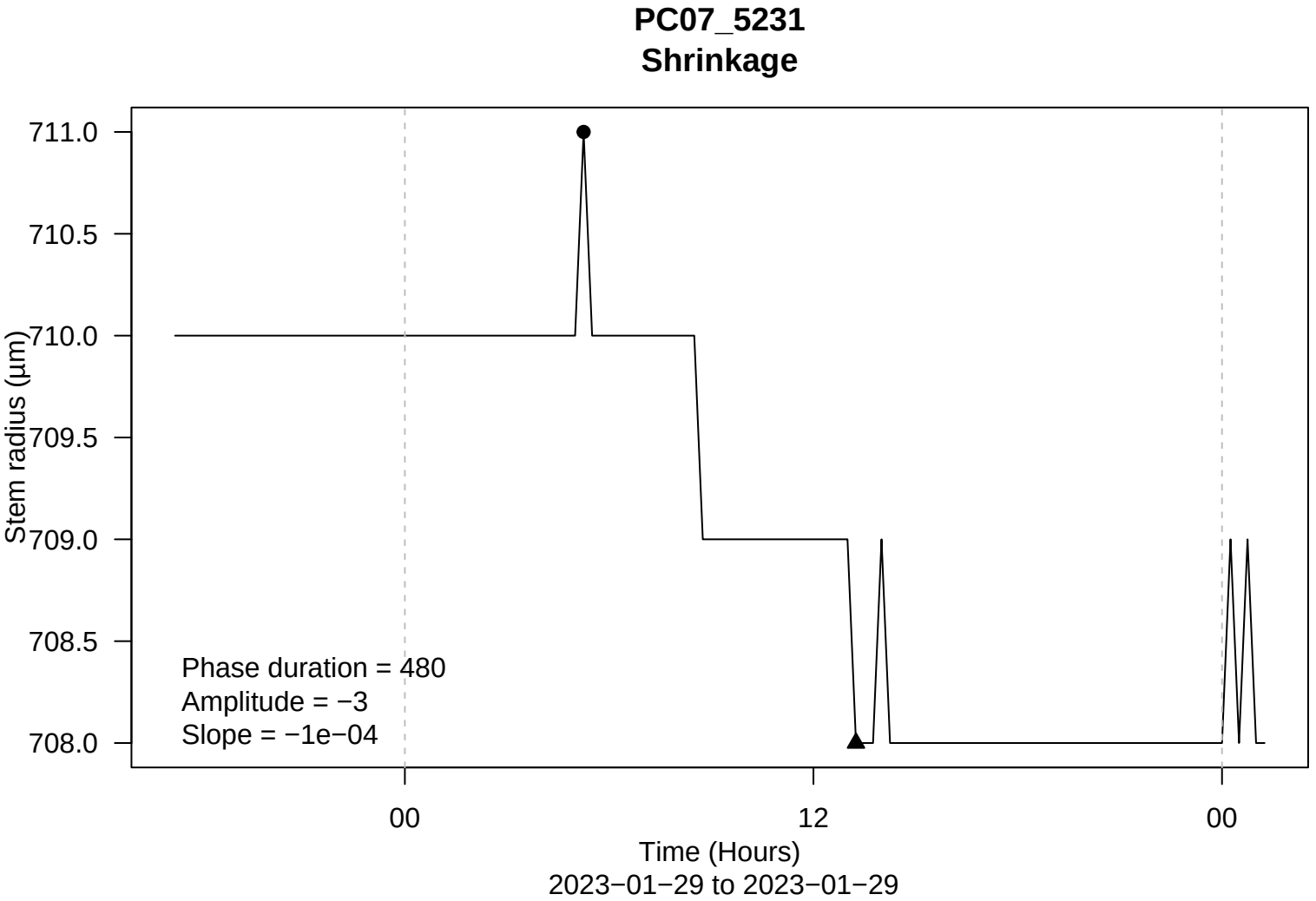
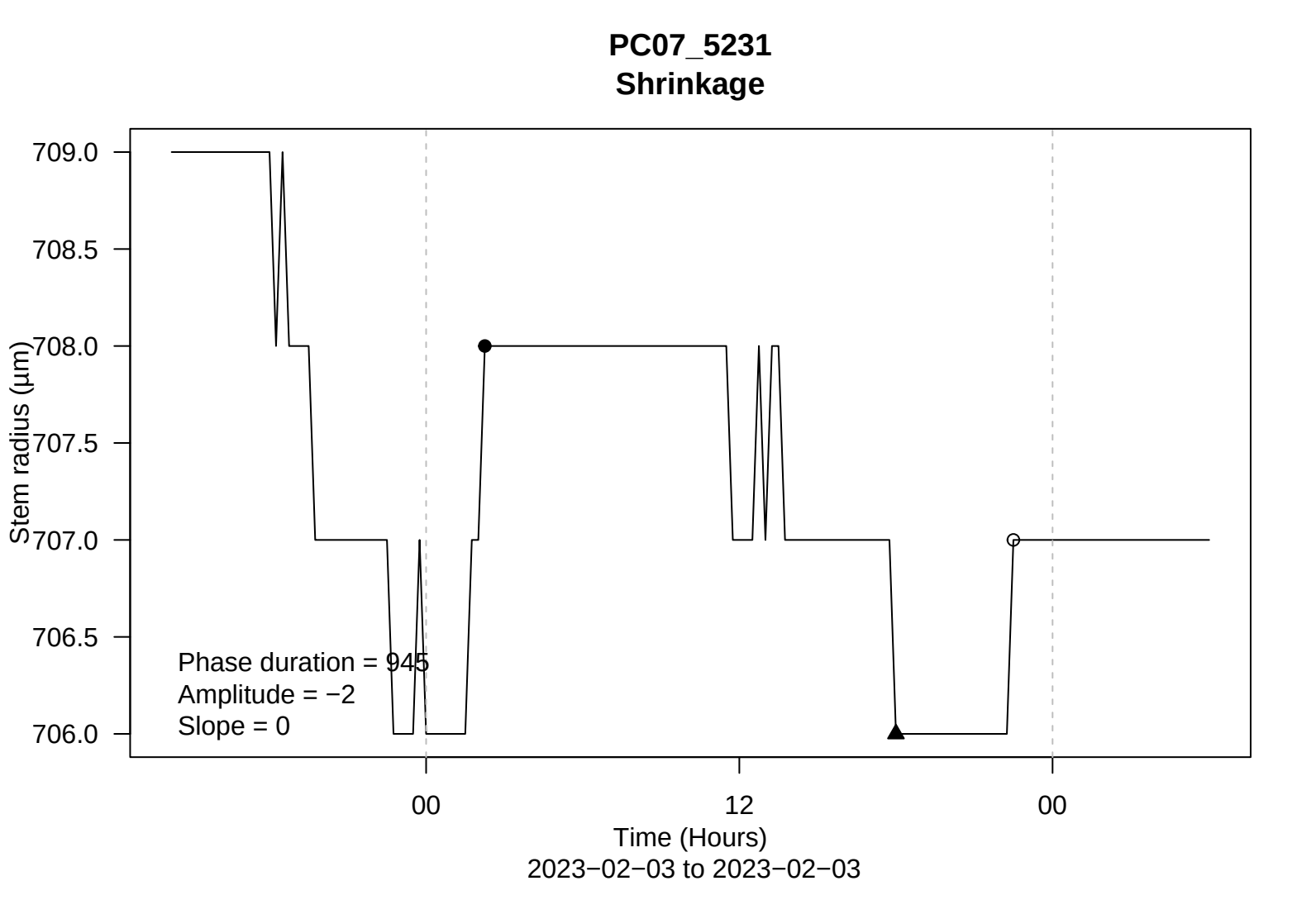
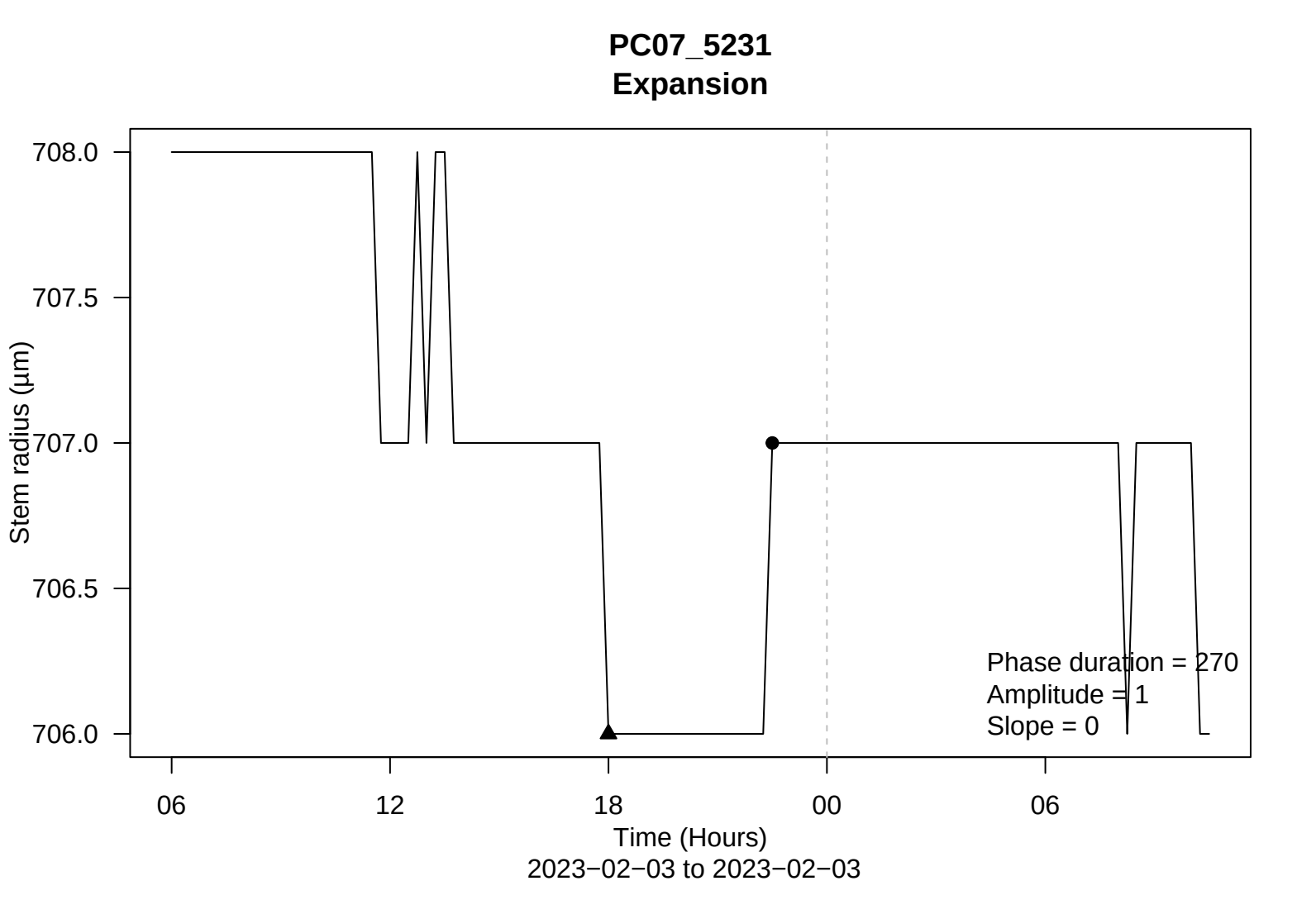

PC07_5231
Shrinkage
719.0
718.5
718.0
717.5
717.0
716.5
716.0
Stem radius (µm)
Phase duration = 795
Amplitude = −2
Slope = 0
00
12
00
Time (Hours)
2023−01−12 to 2023−01−12

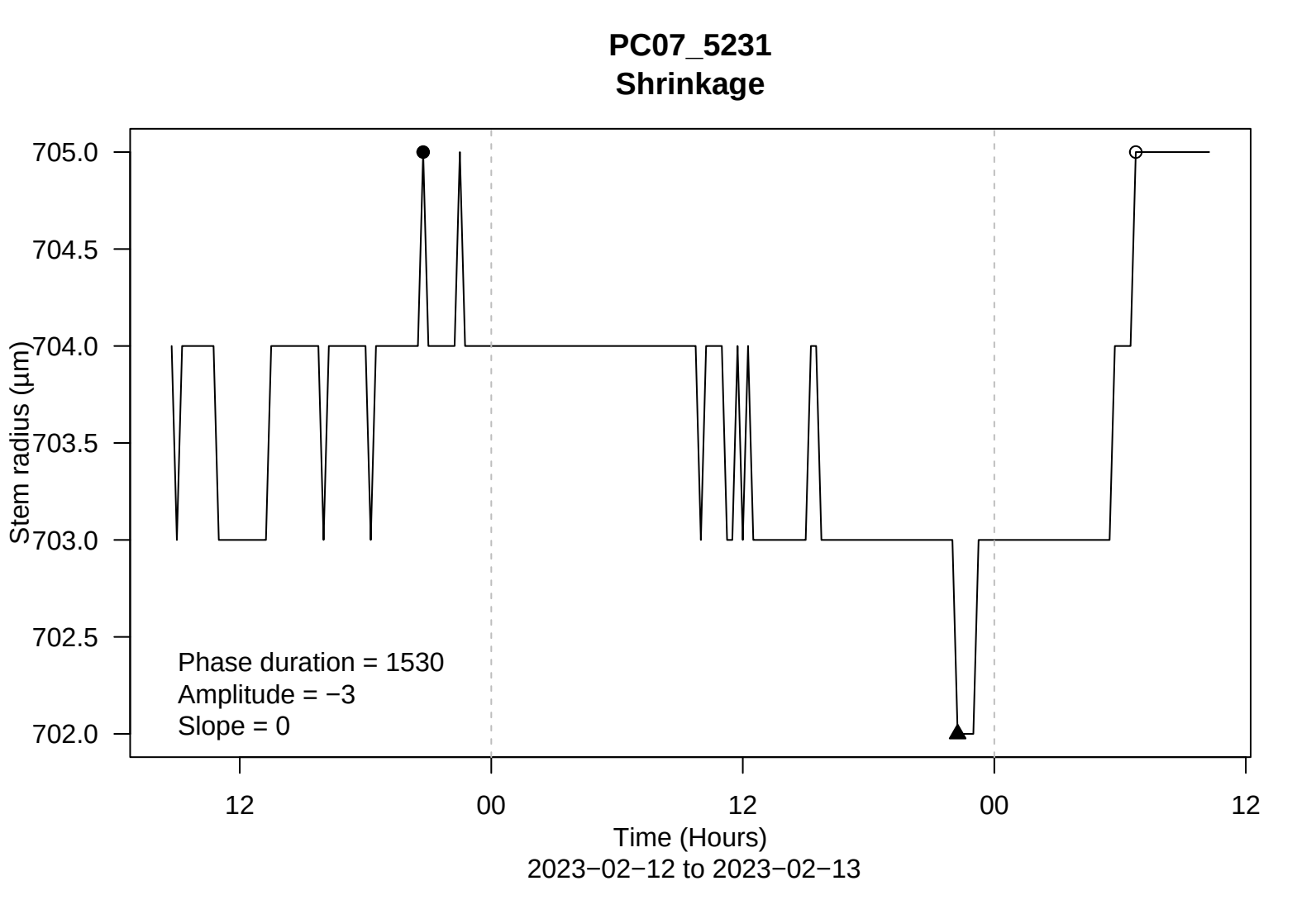

PC07_5231
Shrinkage
715.0
714.5
714.0
713.5
713.0
Stem radius (µm)
Phase duration = 435
Amplitude = −2
Slope = 0
12
00
12
Time (Hours)
2023−01−21 to 2023−01−22

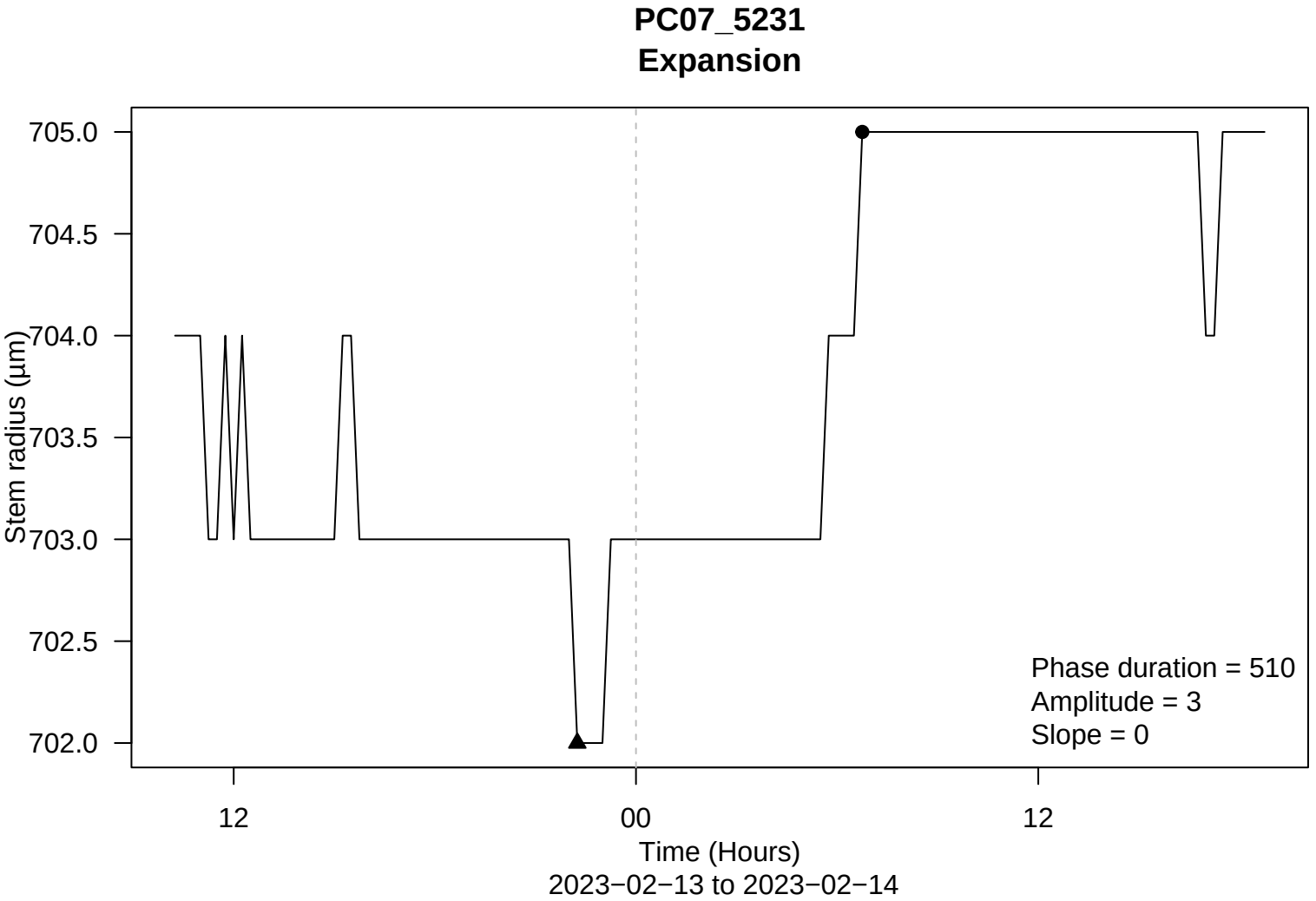

PC07_5231
Shrinkage
712.0
711.5
711.0
710.5
710.0
Stem radius (µm)
Phase duration = 270
Amplitude = −2
Slope = 0
06
12
18
00
06
Time (Hours)
2023−01−26 to 2023−01−26

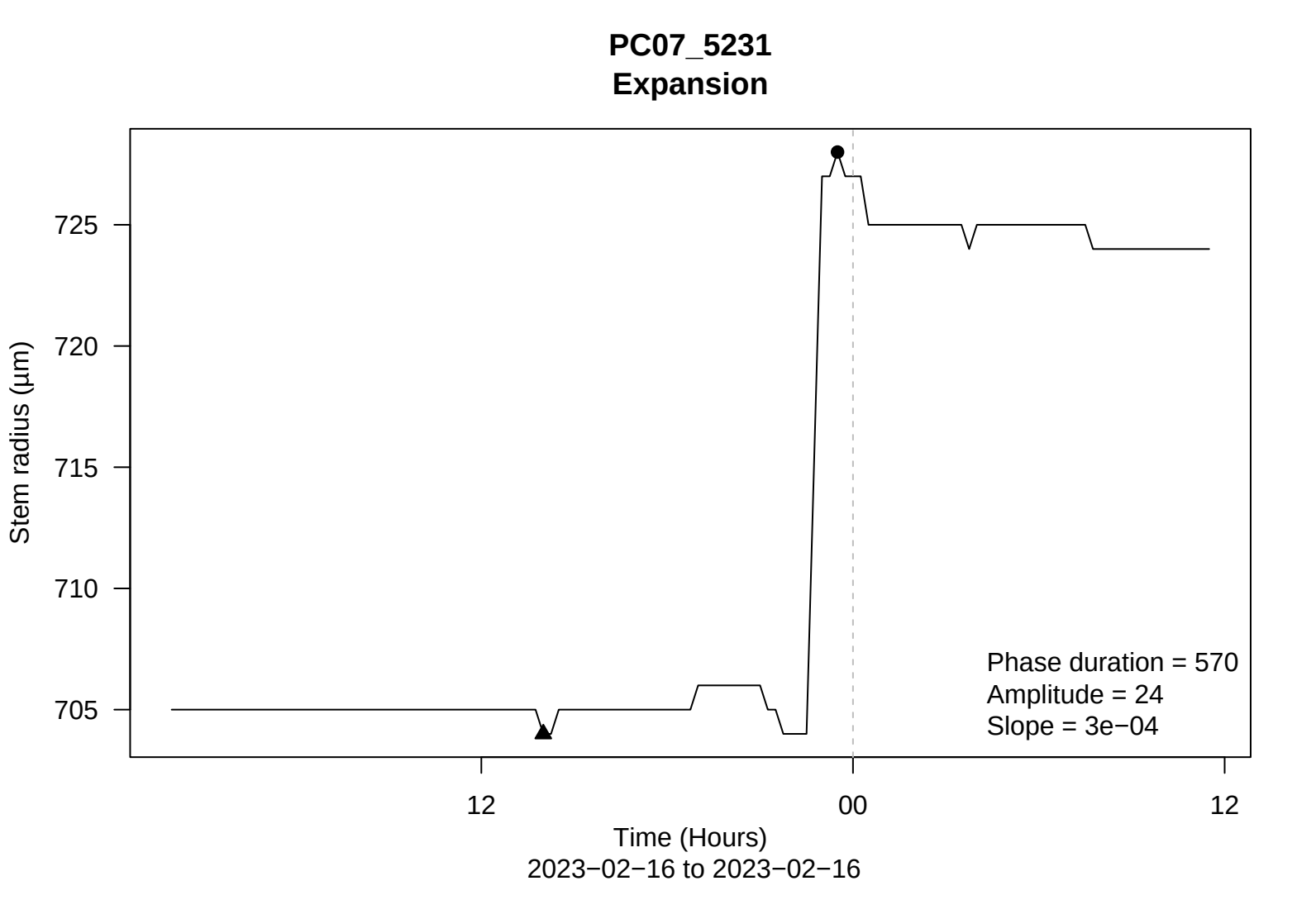

PC07_5231
Shrinkage
711.0
710.5
710.0
709.5
709.0
708.5
708.0
Stem radius (µm)
Phase duration = 480
Amplitude = −3
Slope = −1e−04
00
12
00
Time (Hours)
2023−01−29 to 2023−01−29

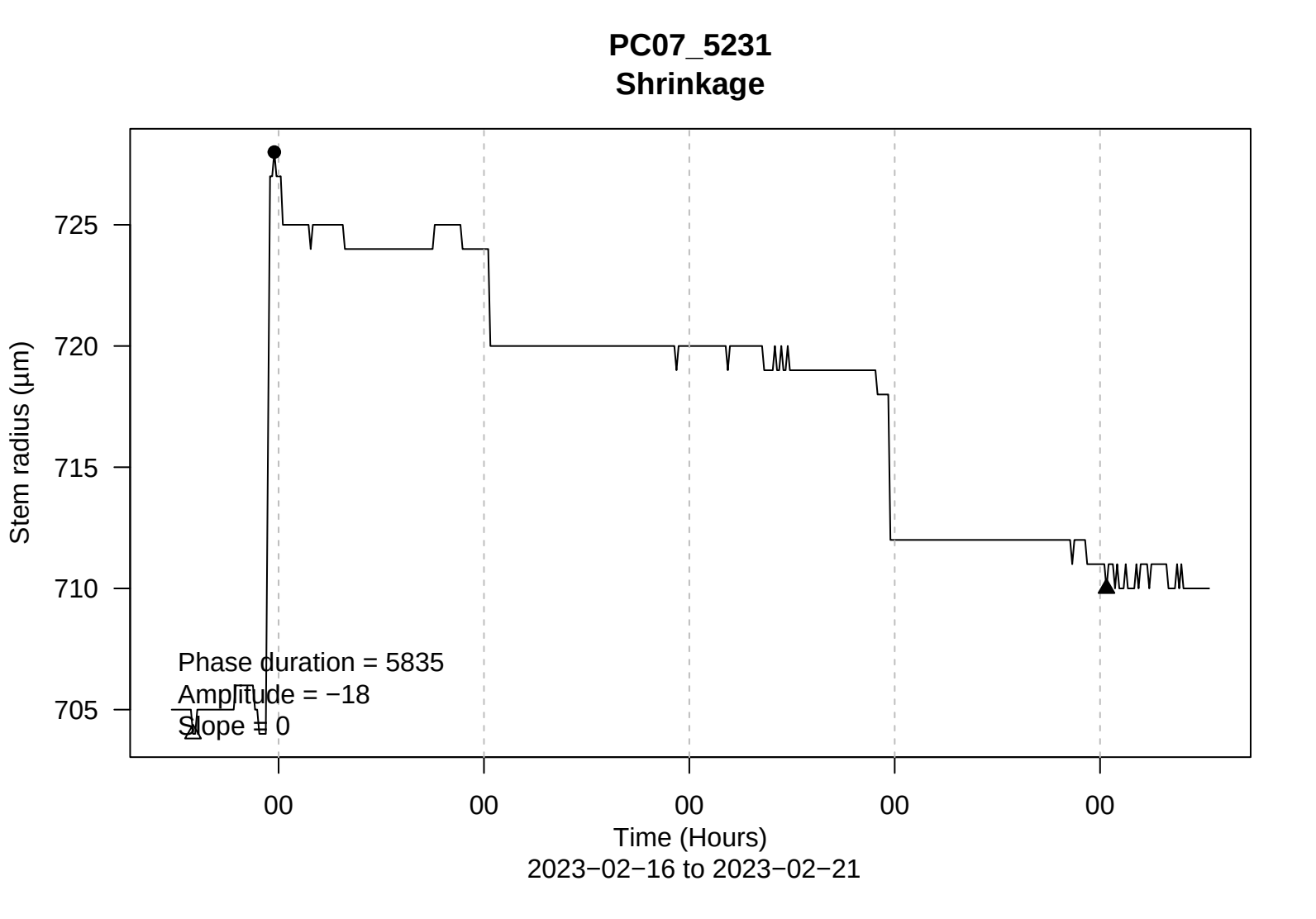

PC07_5231
Shrinkage
709.0
708.5
708.0
707.5
707.0
706.5
706.0
Stem radius (µm)
Phase duration = 945
Amplitude = −2
Slope = 0
00
12
00
Time (Hours)
2023−02−03 to 2023−02−03

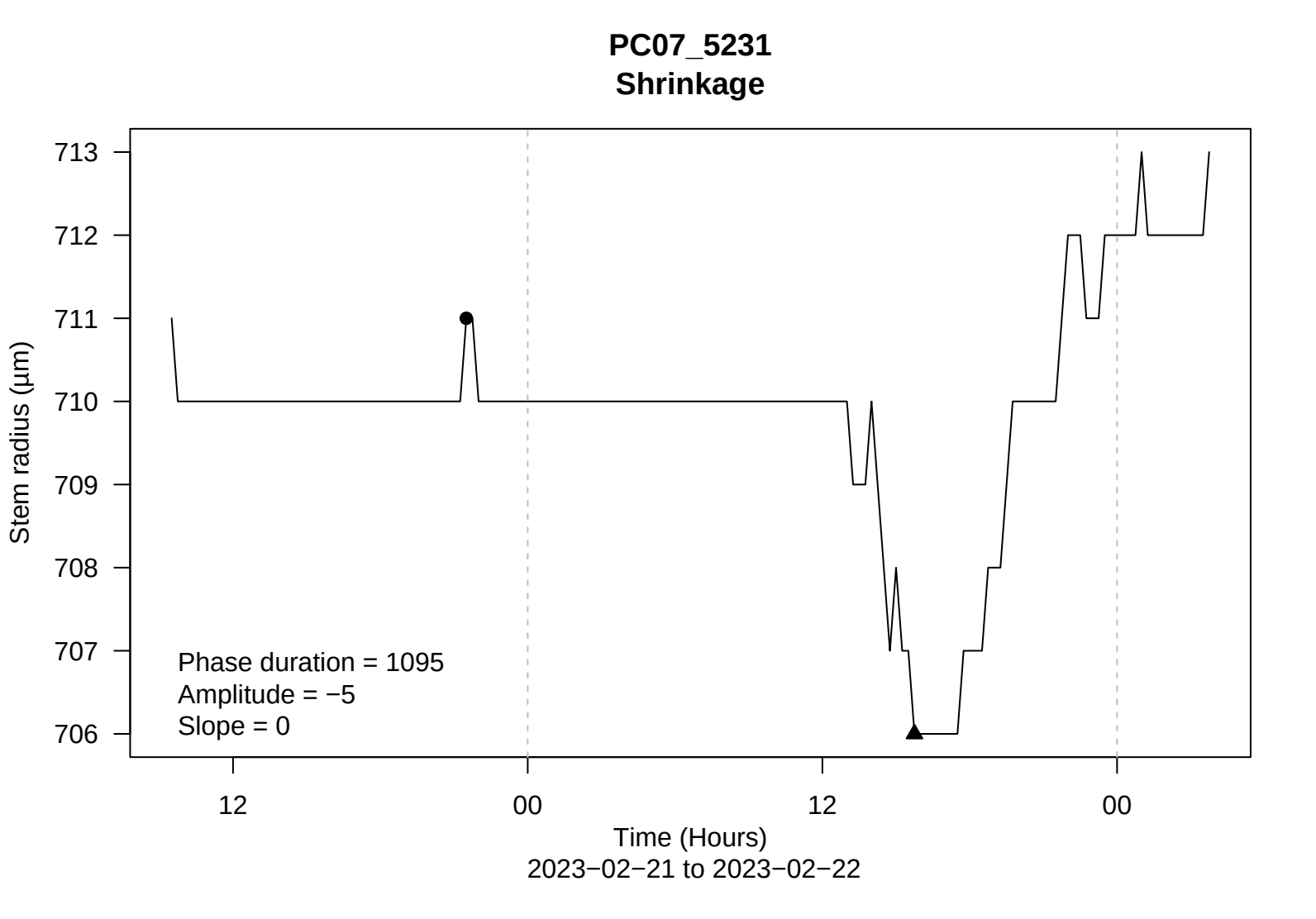

PC07_5231
Expansion
708.0
707.5
707.0
706.5
706.0
Stem radius (µm)
Phase duration = 270
Amplitude = 1
Slope = 0
06
12
18
00
06
Time (Hours)
2023−02−03 to 2023−02−03

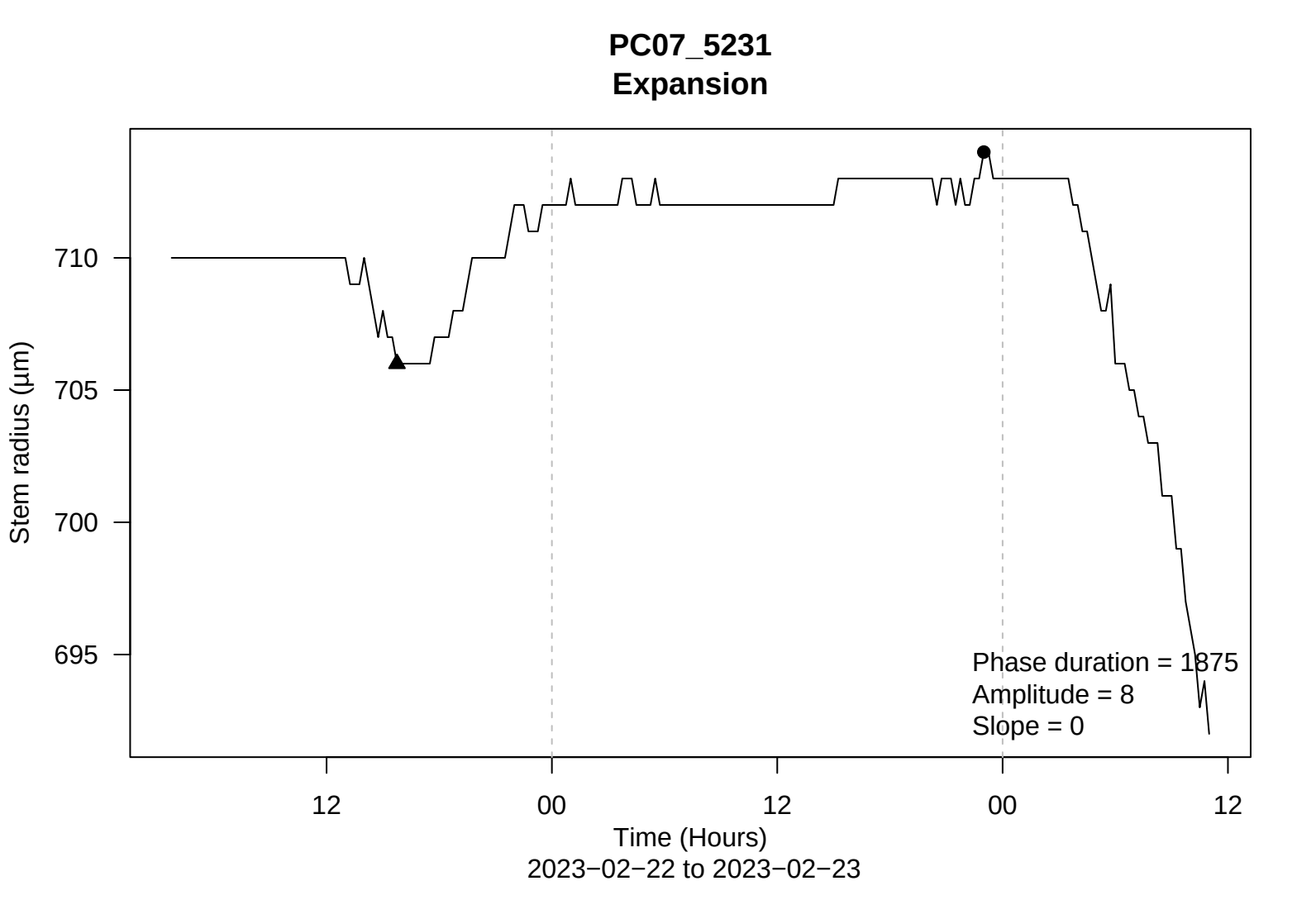

PC07_5231
Shrinkage
705.0
704.5
704.0
703.5
703.0
702.5
702.0
Stem radius (µm)
Phase duration = 1530
Amplitude = −3
Slope = 0
12
00
12
00
12
Time (Hours)
2023−02−12 to 2023−02−13

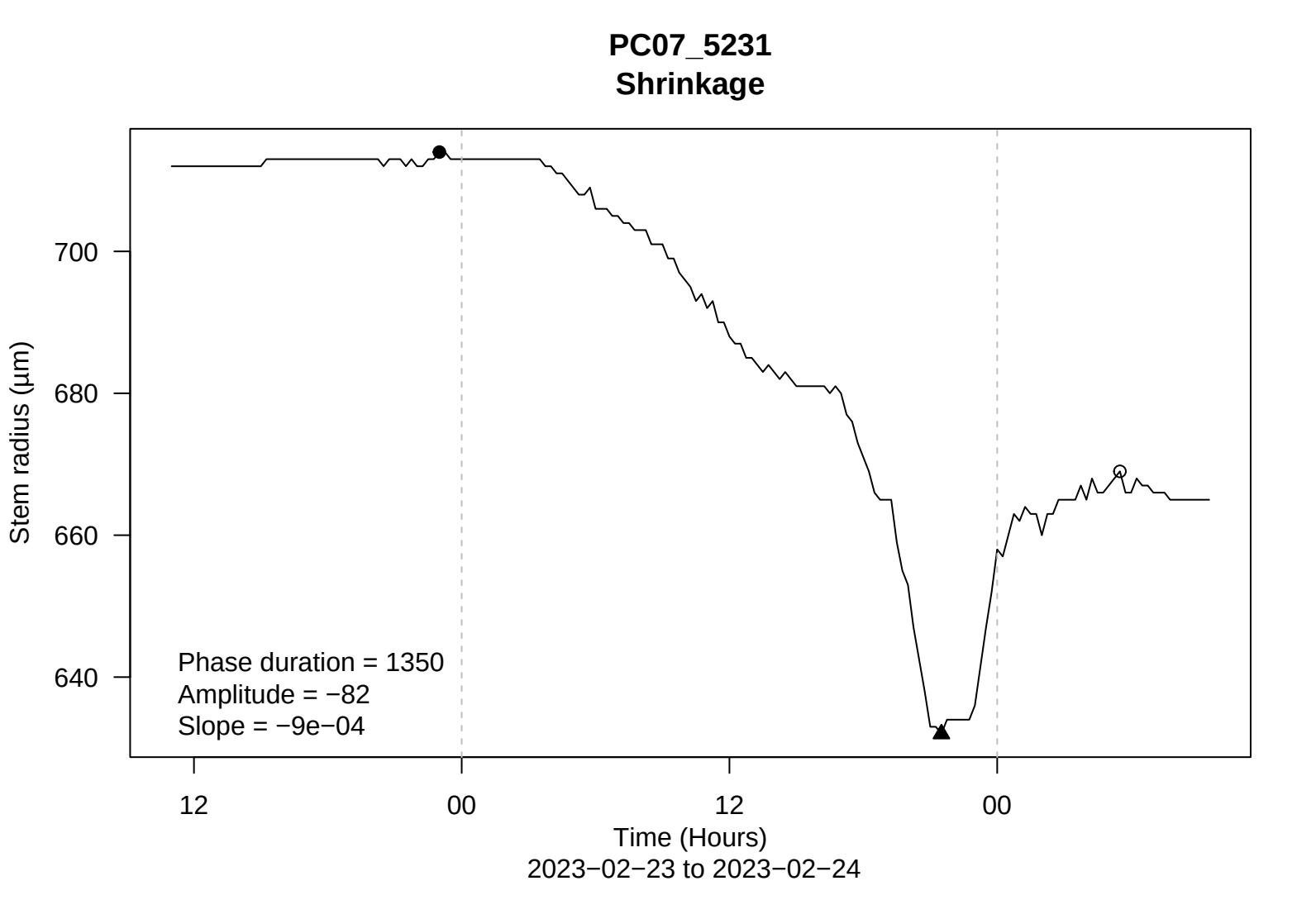

PC07_5231
Expansion
705.0
704.5
704.0
703.5
703.0
702.5
702.0
Stem radius (µm)
12
00
12
Time (Hours)
2023−02−13 to 2023−02−14
Phase duration = 510
Amplitude = 3
Slope = 0

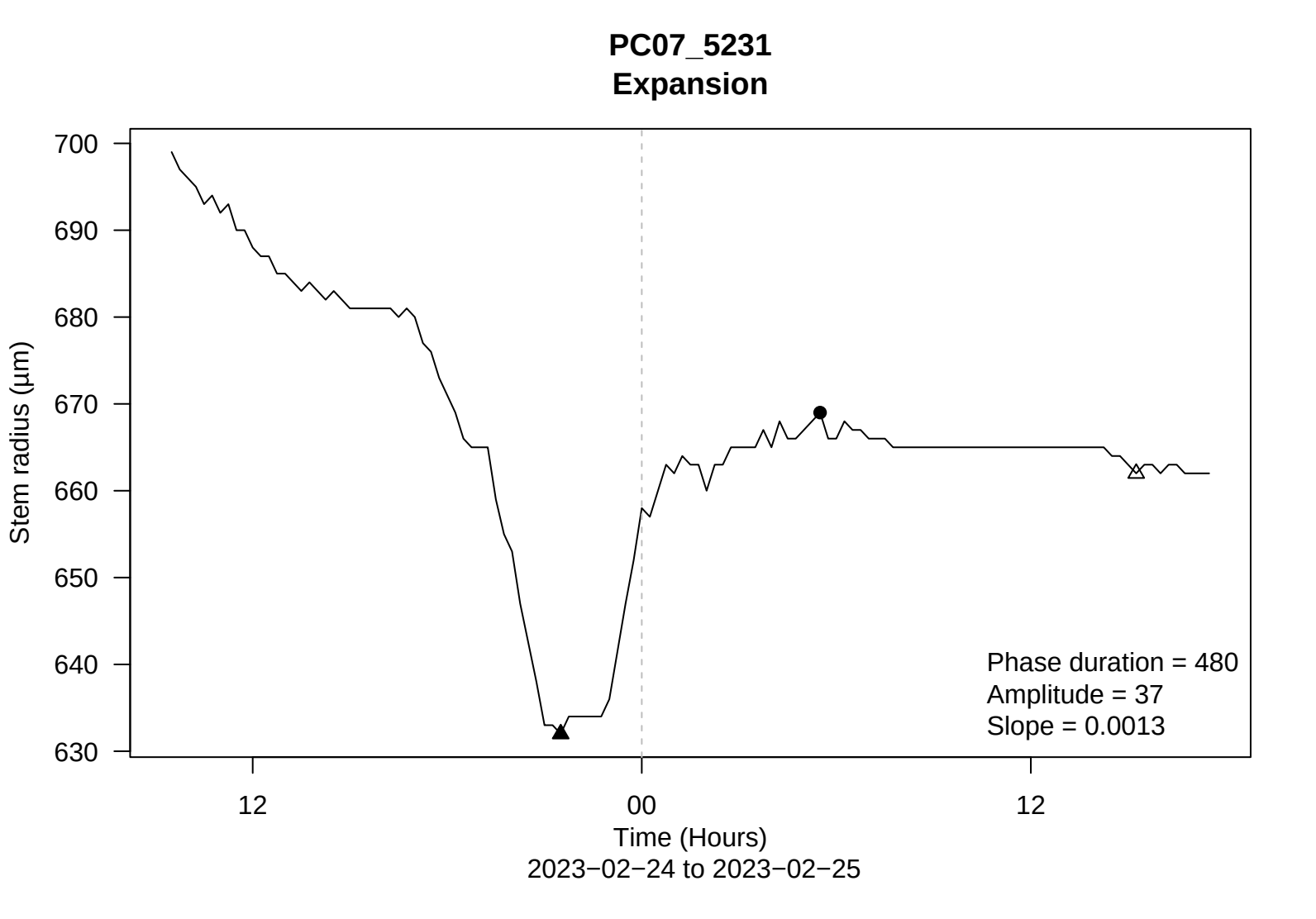

PC07_5231
Expansion
Stem radius (µm)
725
720
715
710
705
12
00
12
Time (Hours)
2023−02−16 to 2023−02−16
Phase duration = 570
Amplitude = 24
Slope = 3e−04

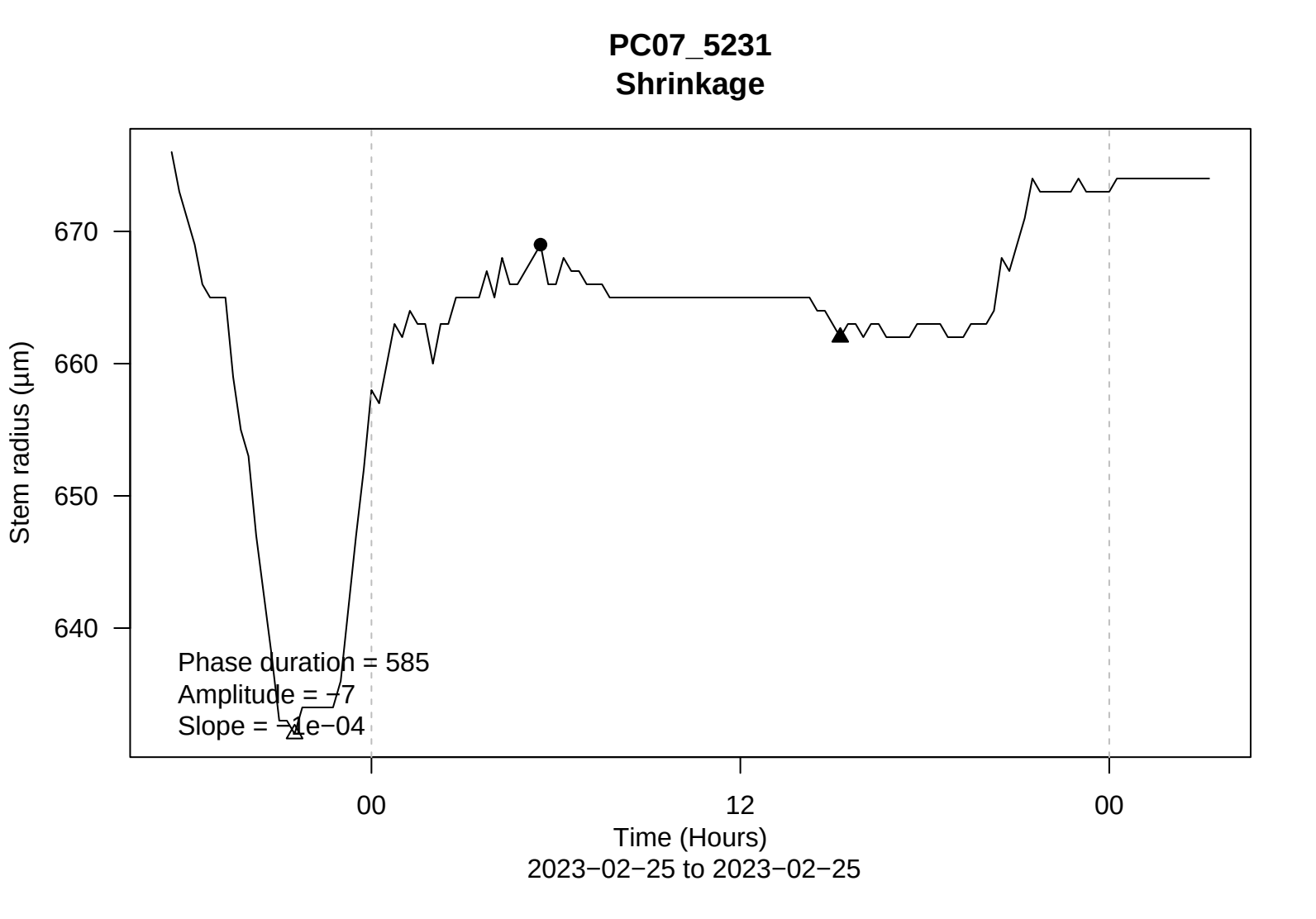

PC07_5231
Shrinkage
Stem radius (µm)
725
720
715
710
705
Phase duration = 5835
Amplitude = −18
Slope = 0
00
00
00
00
00
Time (Hours)
2023−02−16 to 2023−02−21

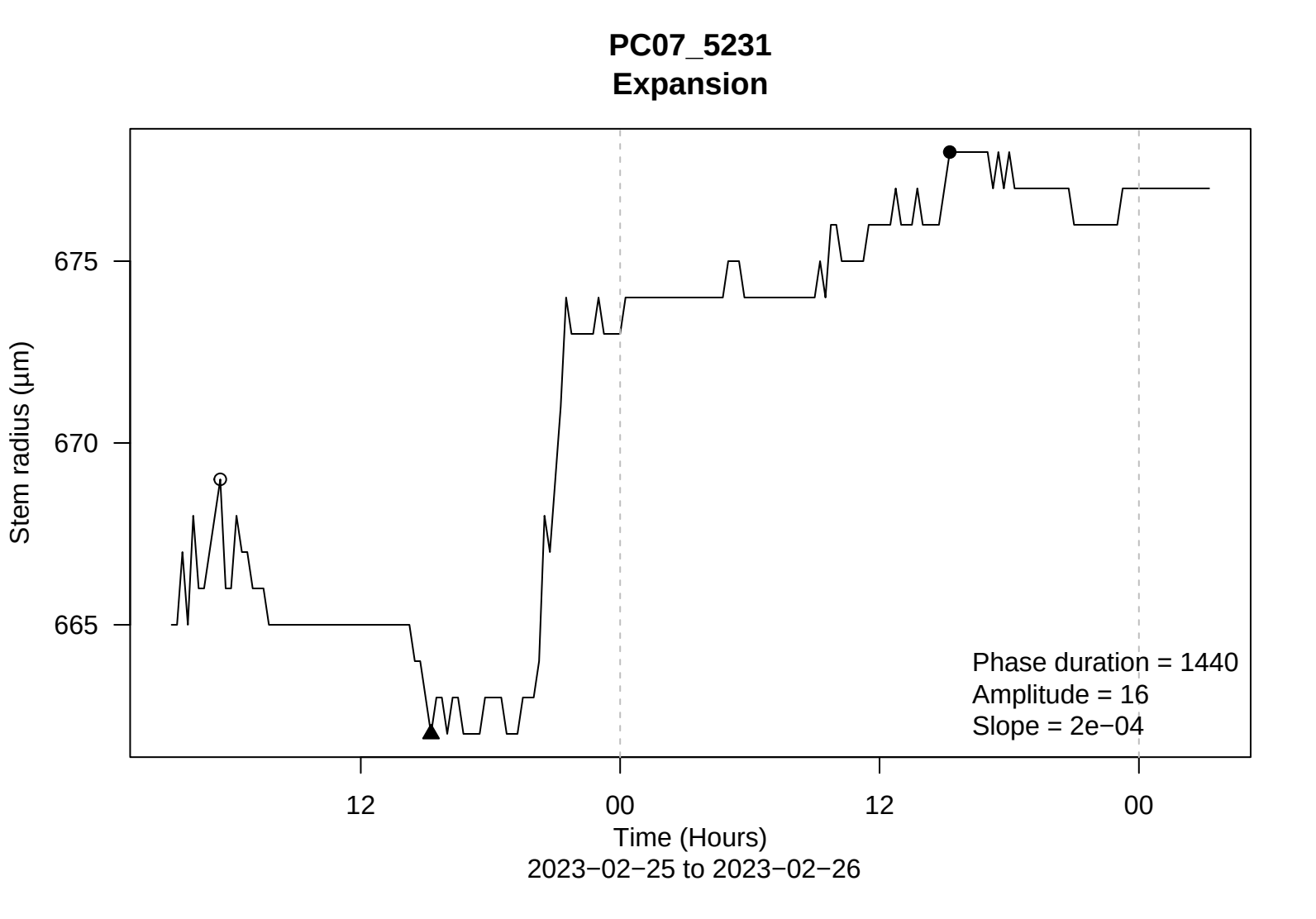

PC07_5231
Shrinkage
713
712
711
710
709
708
707
706
Stem radius (µm)
Phase duration = 1095
Amplitude = −5
Slope = 0
12
00
12
00
Time (Hours)
2023−02−21 to 2023−02−22

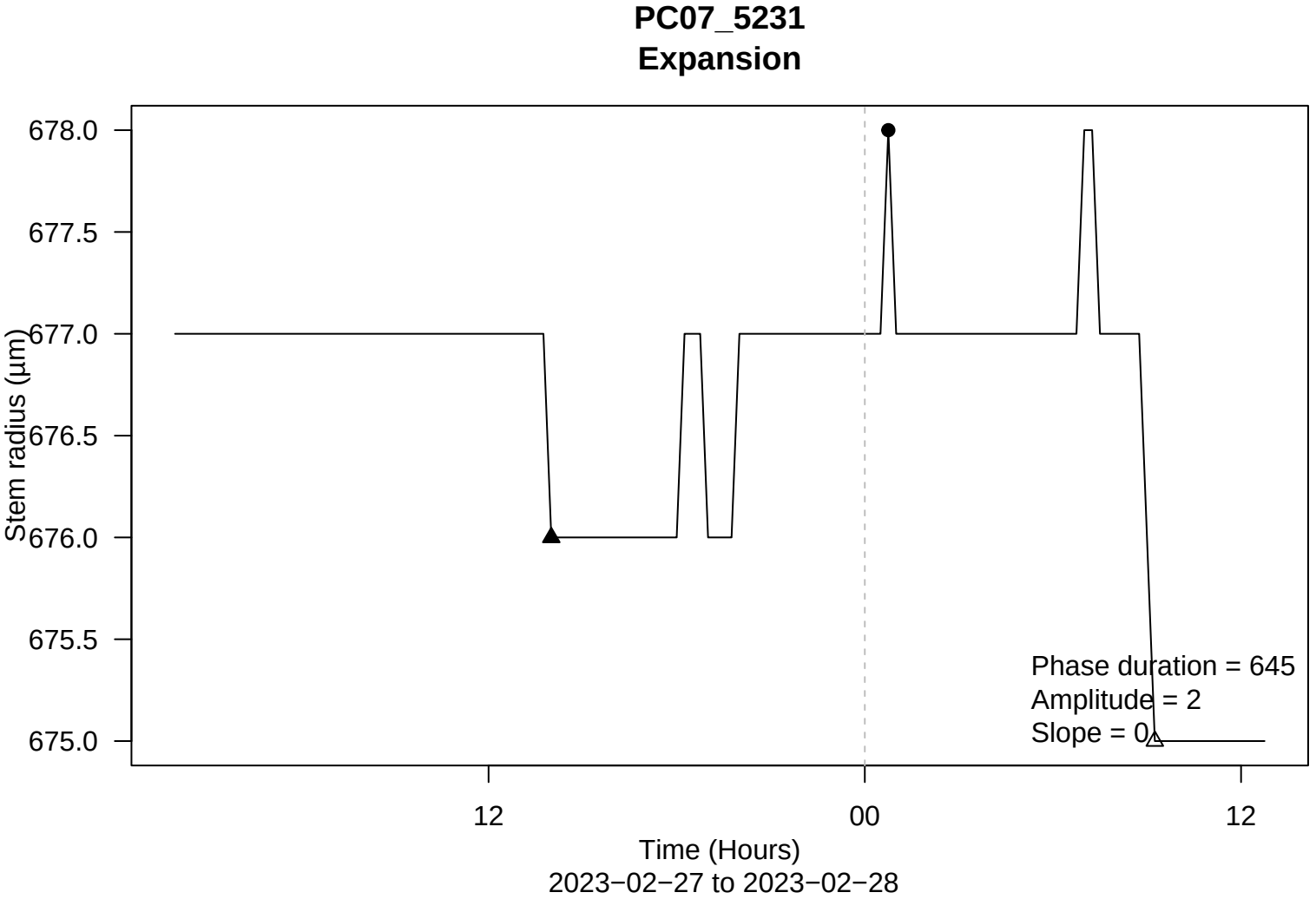

PC07_5231
Expansion
710
705
700
695
Stem radius (µm)
12
00
12
00
12
Time (Hours)
2023−02−22 to 2023−02−23
Phase duration = 1875
Amplitude = 8
Slope = 0

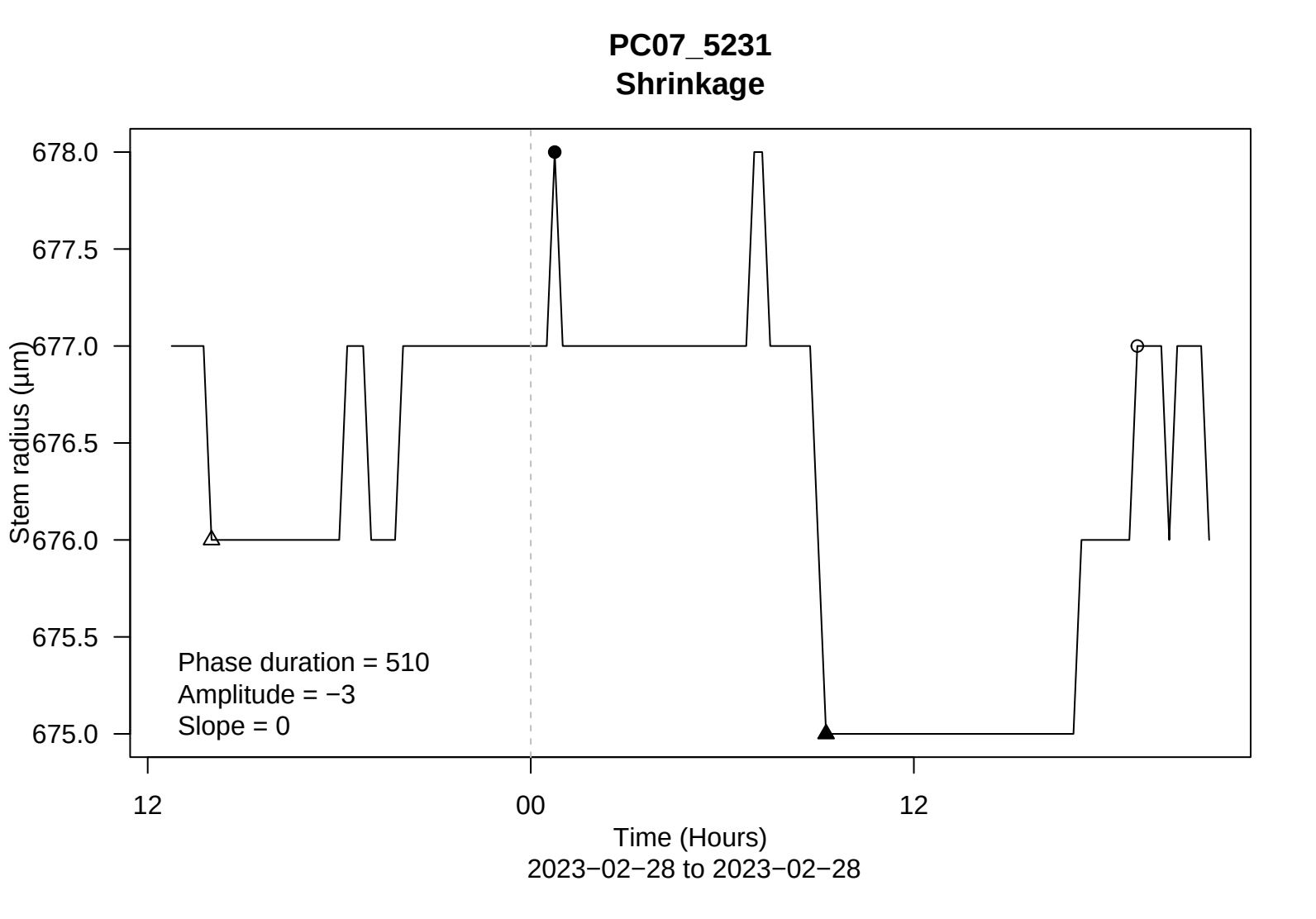

PC07_5231
Shrinkage
700
680
660
640
Stem radius (µm)
Phase duration = 1350
Amplitude = −82
Slope = −9e−04
12
00
12
00
Time (Hours)
2023−02−23 to 2023−02−24

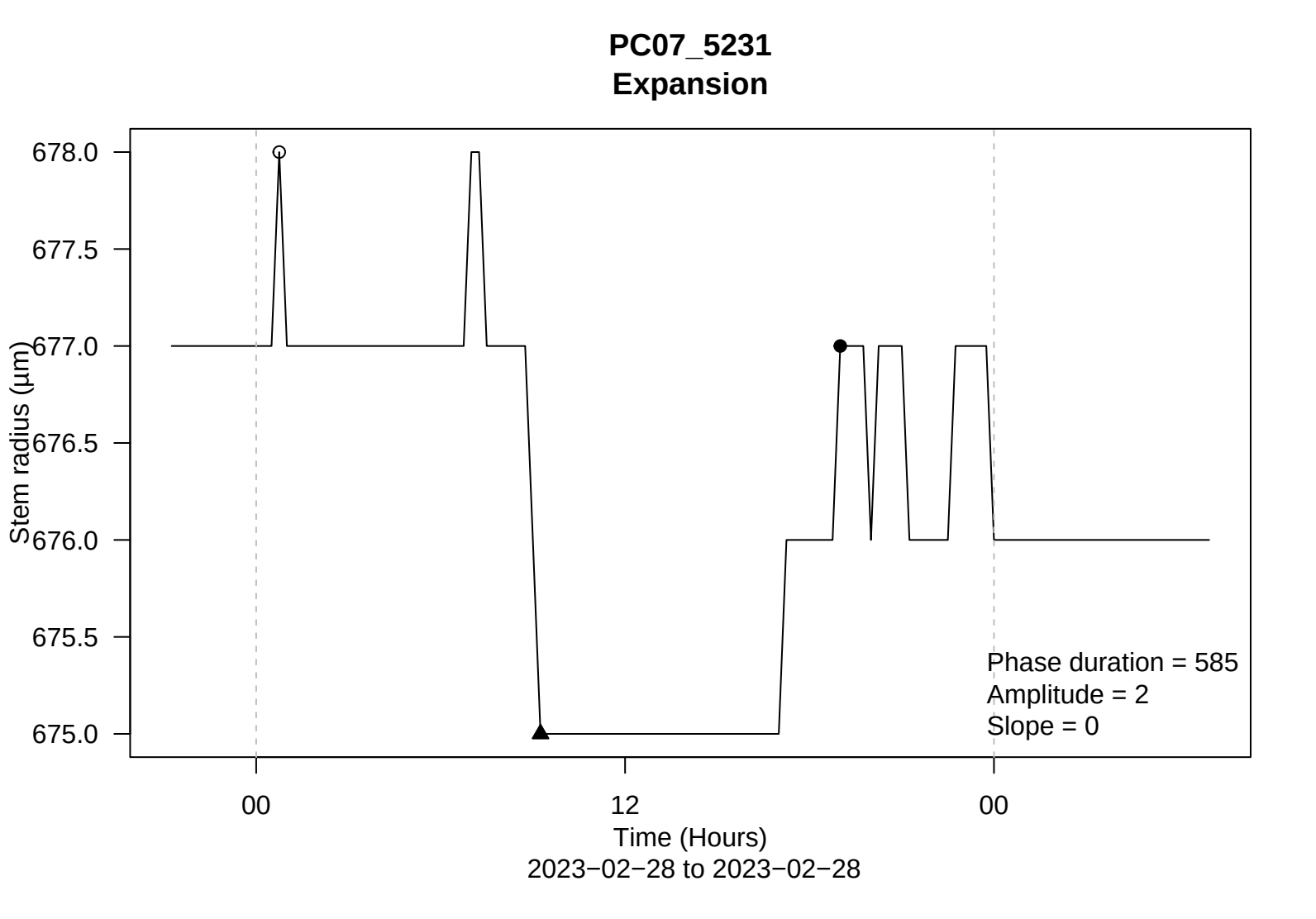

PC07_5231
Expansion
700
690
680
670
660
650
640
630
Stem radius (µm)
12
00
12
Time (Hours)
2023−02−24 to 2023−02−25
Phase duration = 480
Amplitude = 37
Slope = 0.0013

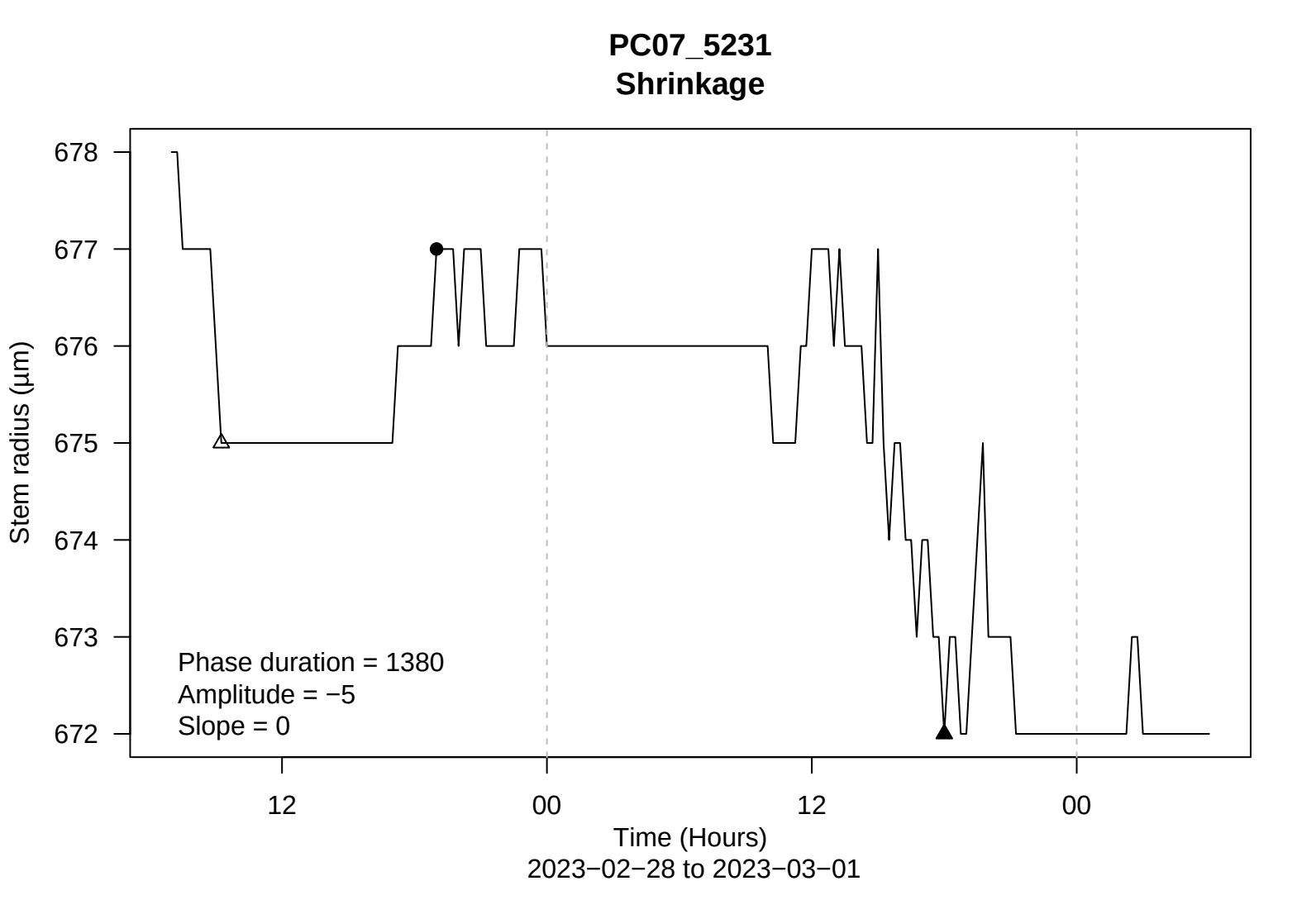

PC07_5231
Shrinkage
670
660
650
640
Stem radius (µm)
Phase duration = 585
Amplitude = -7
Slope = -1e-04
00
12
00
Time (Hours)
2023−02−25 to 2023−02−25

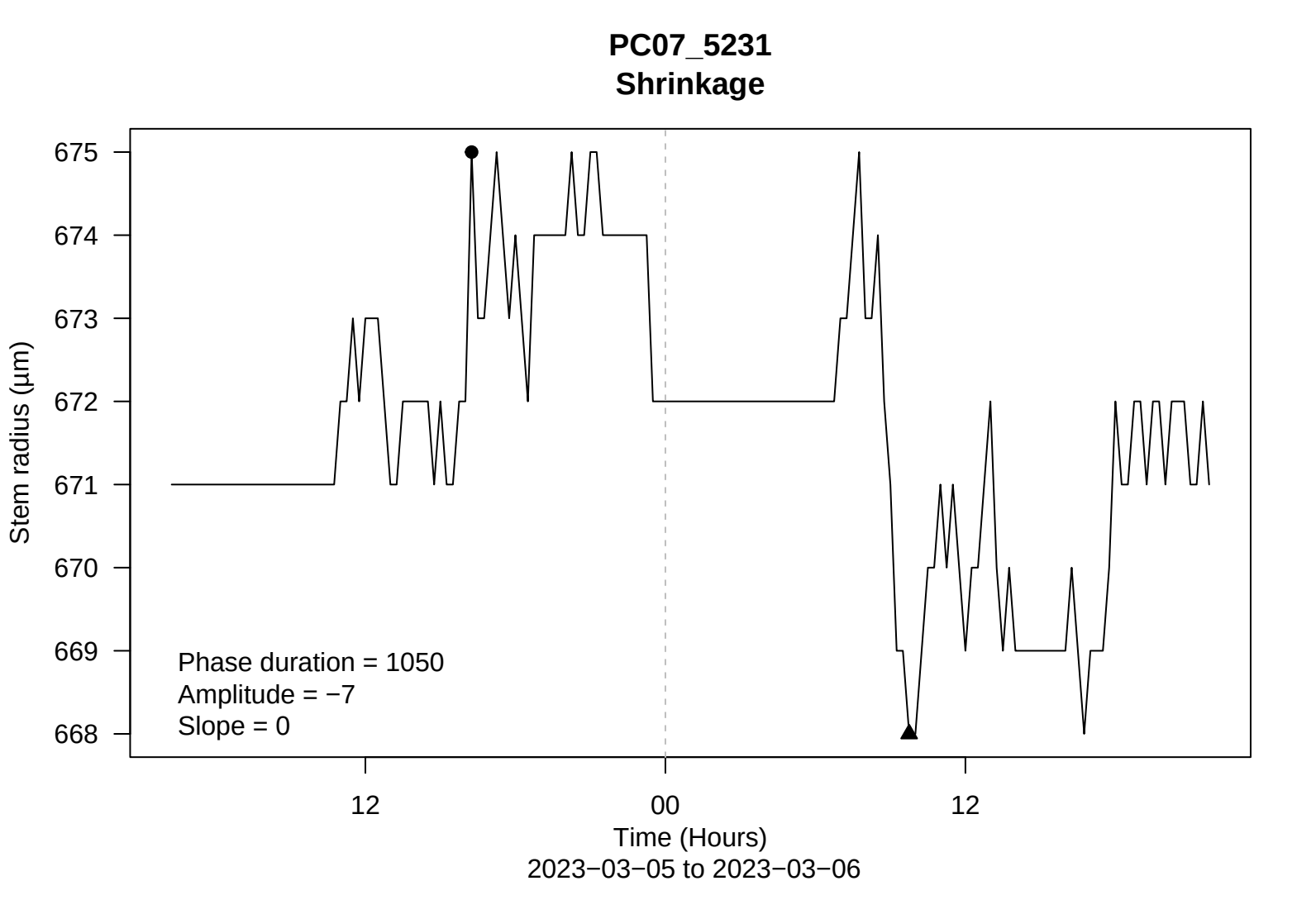

PC07_5231
Expansion
675
670
665
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−02−25 to 2023−02−26
Phase duration = 1440
Amplitude = 16
Slope = 2e−04

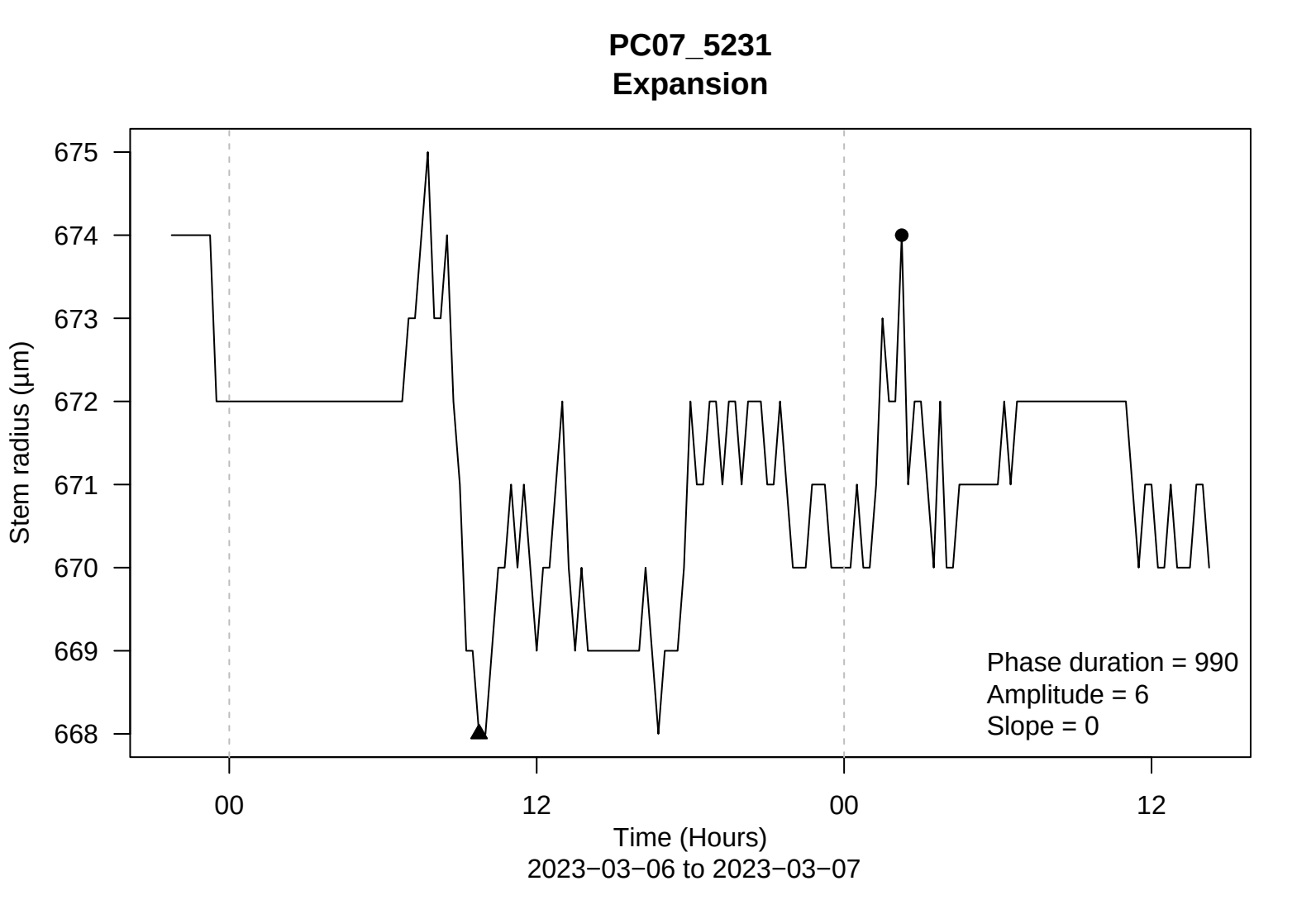

PC07_5231
Expansion
678.0
677.5
677.0
676.5
676.0
675.5
675.0
Stem radius (µm)
12
00
12
Time (Hours)
2023−02−27 to 2023−02−28
Phase duration = 645
Amplitude = 2
Slope = 0

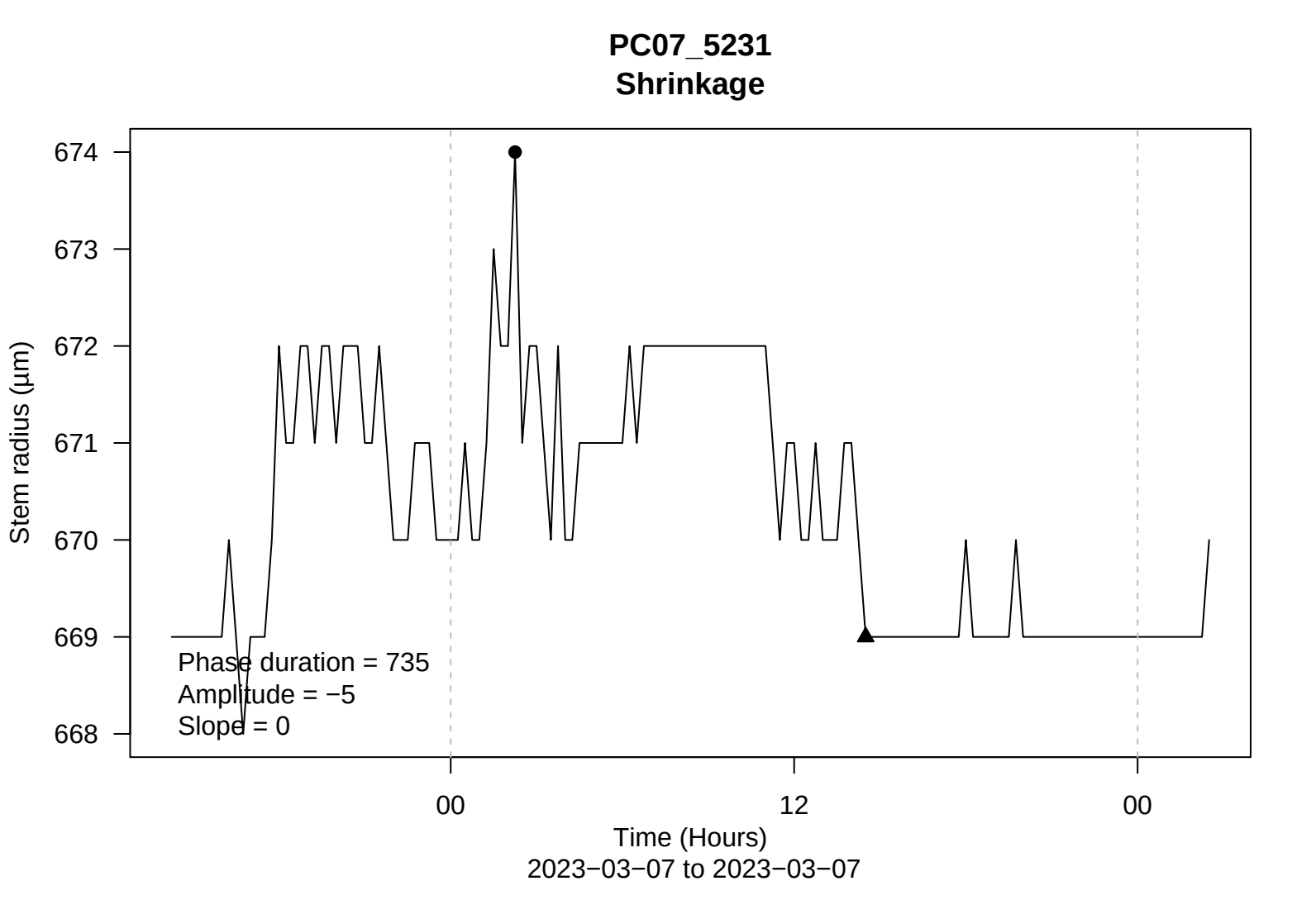

PC07_5231
Shrinkage
678.0
677.5
677.0
676.5
676.0
675.5
675.0
Stem radius (µm)
Phase duration = 510
Amplitude = −3
Slope = 0
12
00
12
Time (Hours)
2023−02−28 to 2023−02−28

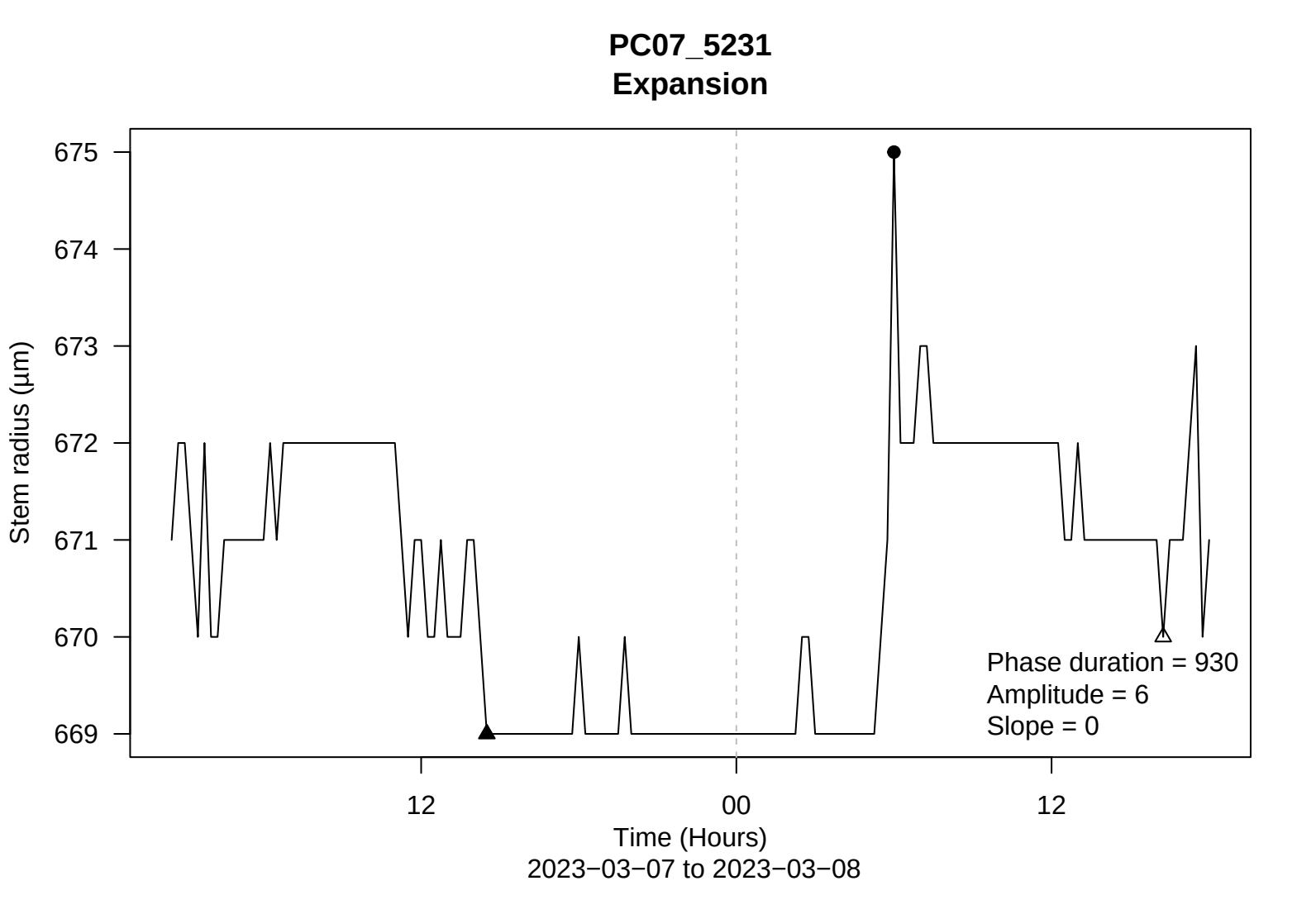

PC07_5231
Expansion
678.0
677.5
677.0
676.5
676.0
675.5
675.0
Stem radius (µm)
Phase duration = 585
Amplitude = 2
Slope = 0
00
12
00
Time (Hours)
2023−02−28 to 2023−02−28

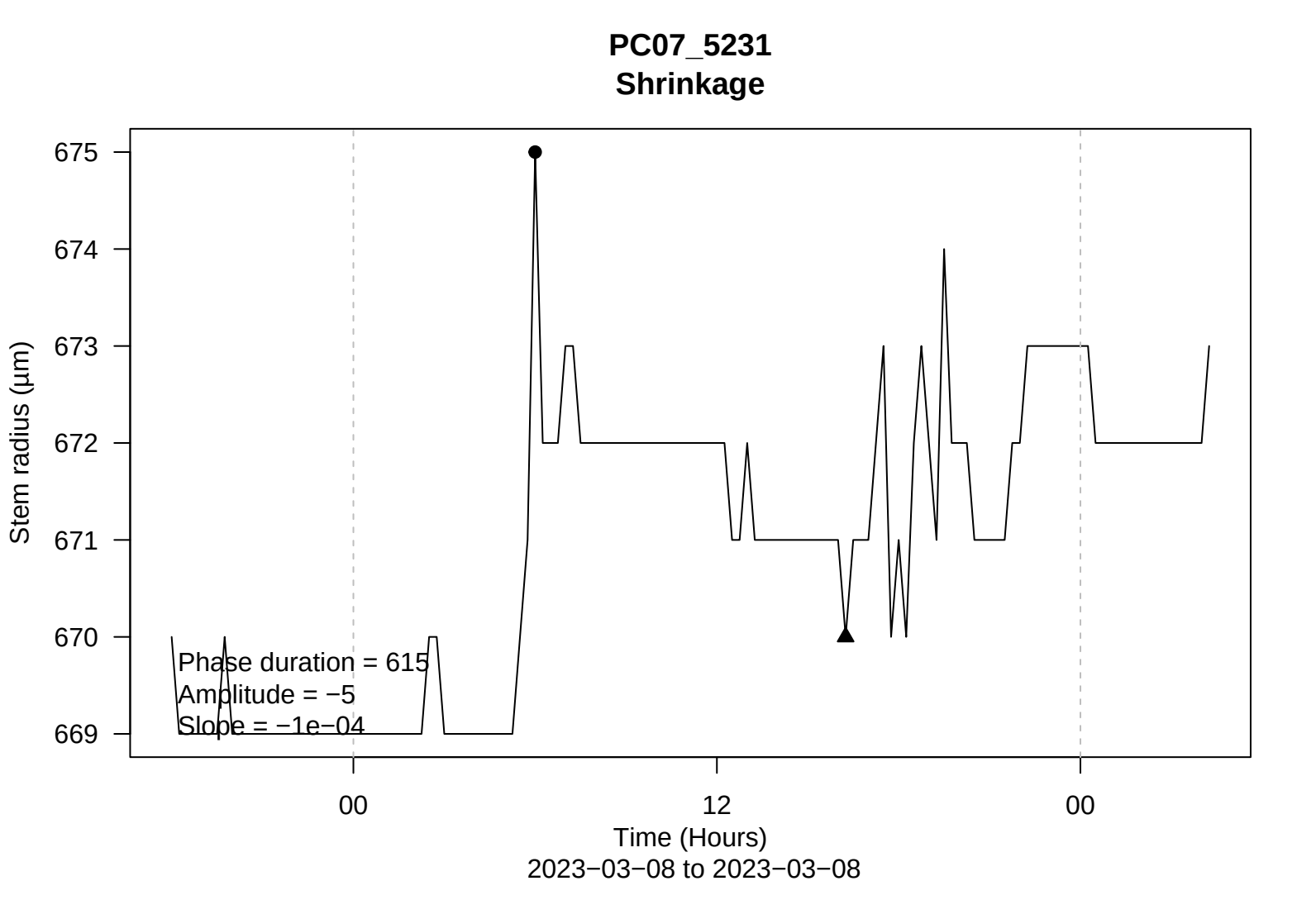

PC07_5231
Shrinkage
678
677
676
675
674
673
672
Stem radius (µm)
Phase duration = 1380
Amplitude = −5
Slope = 0
12
00
12
00
Time (Hours)
2023−02−28 to 2023−03−01

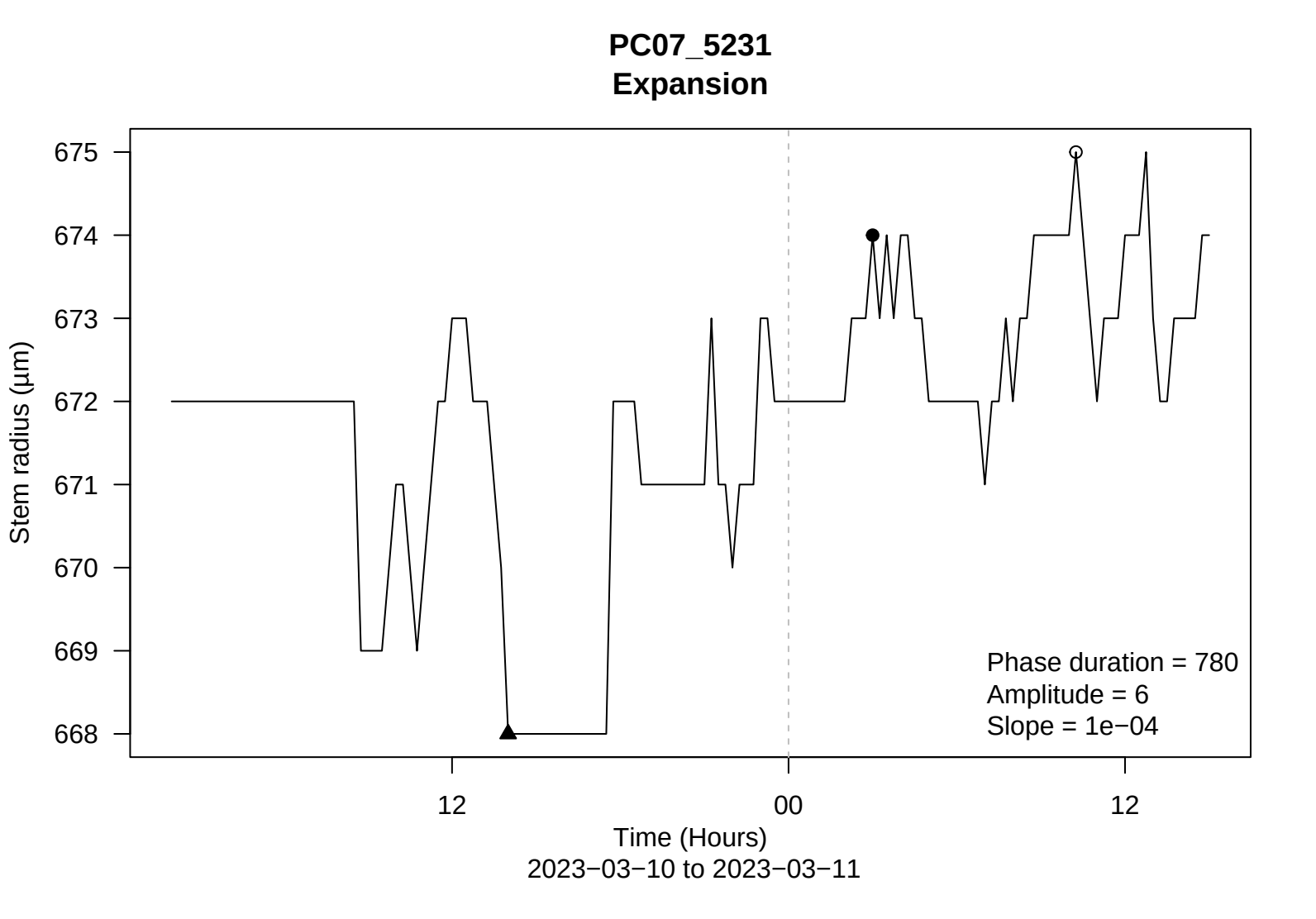

PC07_5231
Shrinkage
675
674
673
672
671
670
669
668
Stem radius (µm)
Phase duration = 1050
Amplitude = −7
Slope = 0
12
00
12
Time (Hours)
2023−03−05 to 2023−03−06

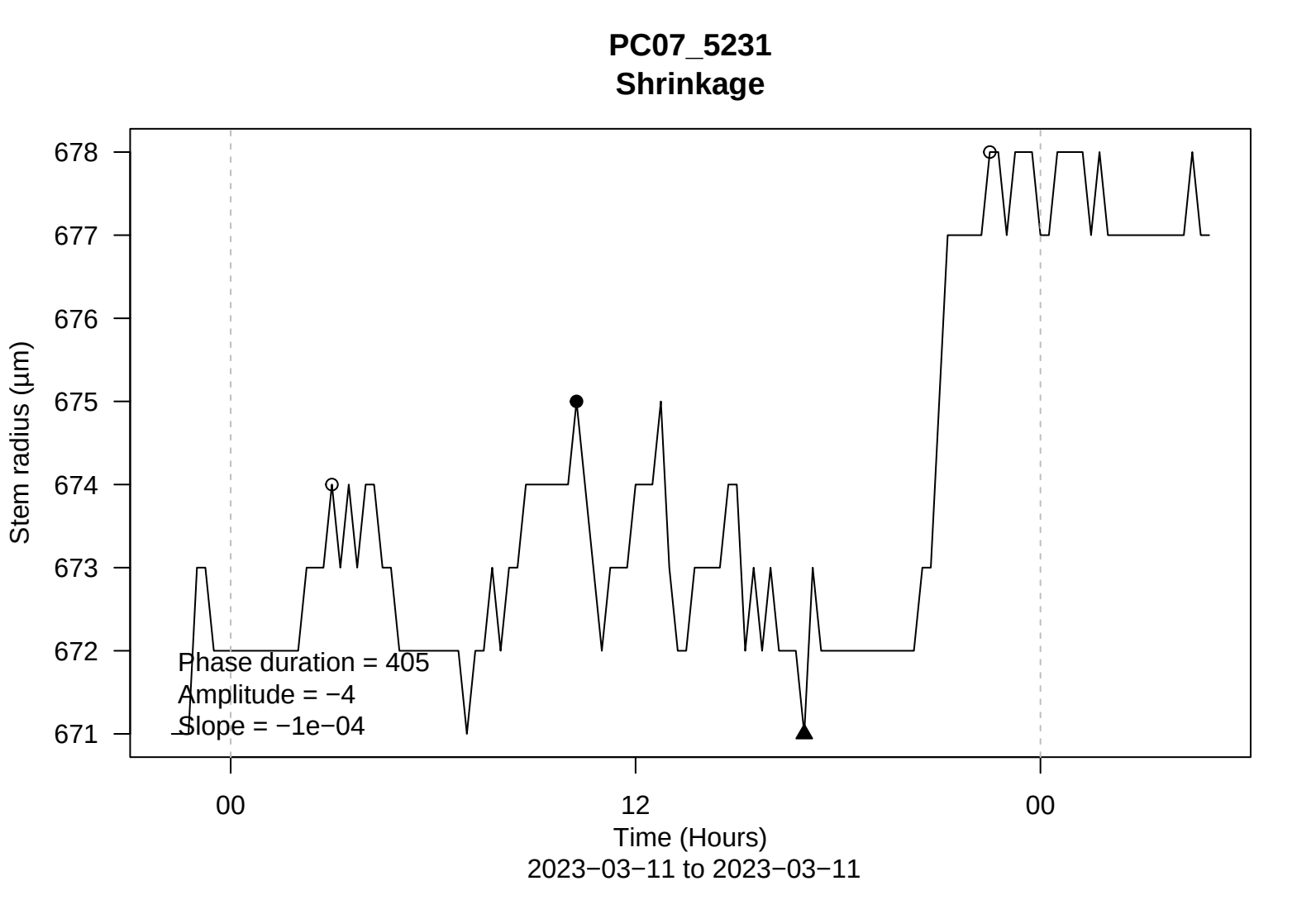

PC07_5231
Expansion
675
674
673
672
671
670
669
668
Stem radius (µm)
00
12
00
12
Time (Hours)
2023−03−06 to 2023−03−07
Phase duration = 990
Amplitude = 6
Slope = 0

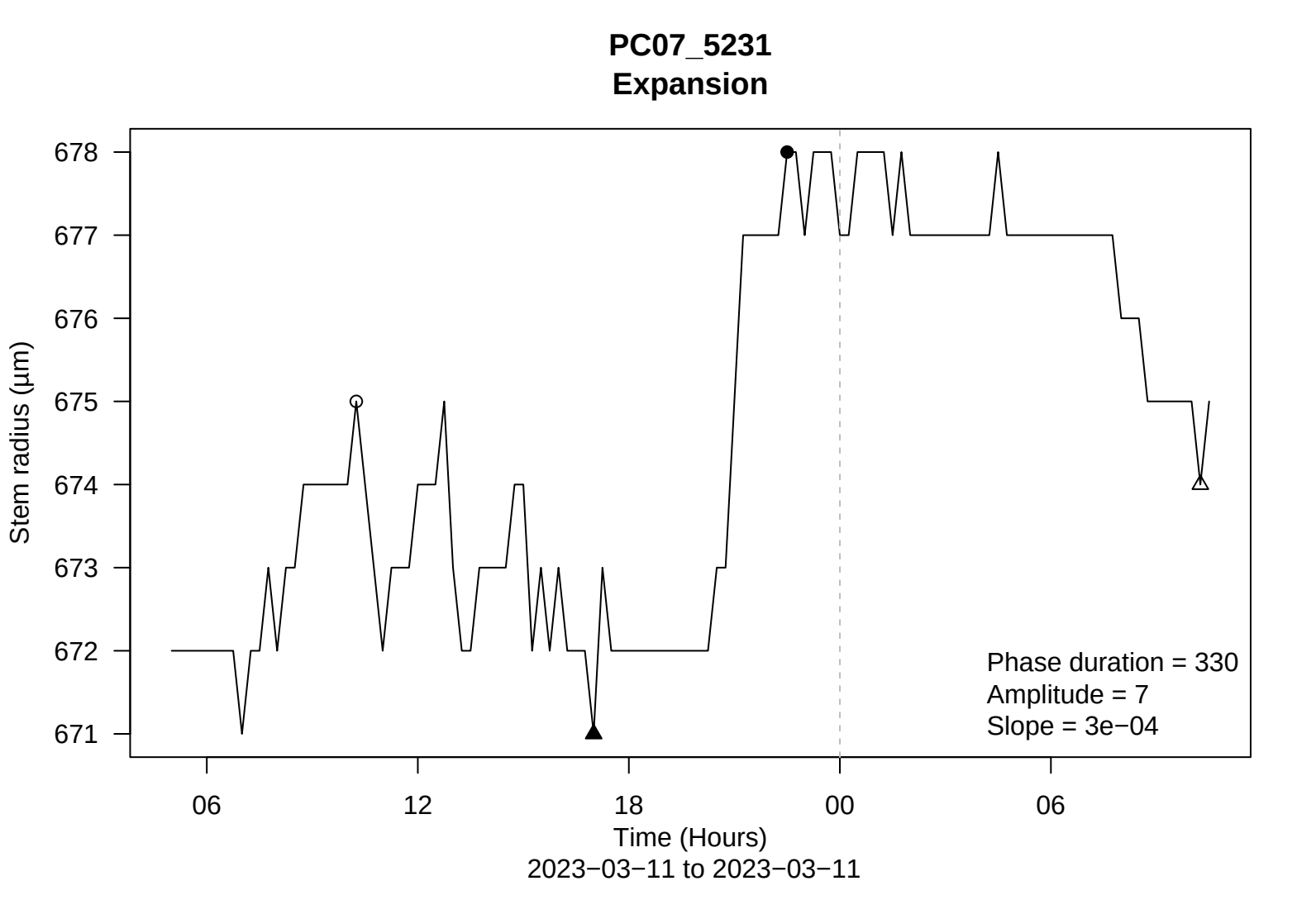

PC07_5231
Shrinkage
674
673
672
671
670
669
668
Stem radius (µm)
Phase duration = 735
Amplitude = −5
Slope = 0
00
12
00
Time (Hours)
2023−03−07 to 2023−03−07

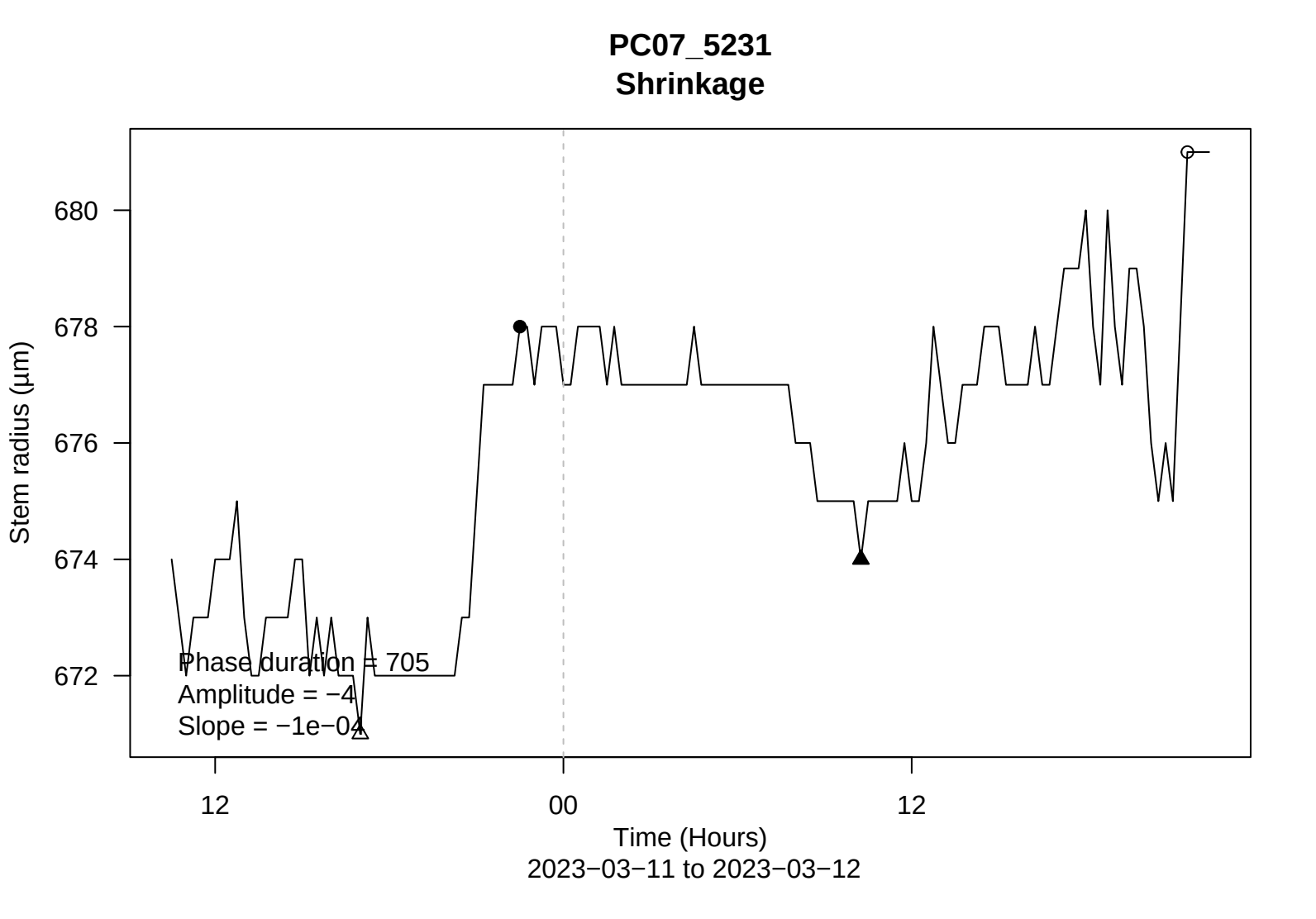

PC07_5231
Expansion
675
674
673
672
671
670
669
Stem radius (µm)
12
00
12
Time (Hours)
2023−03−07 to 2023−03−08
Phase duration = 930
Amplitude = 6
Slope = 0

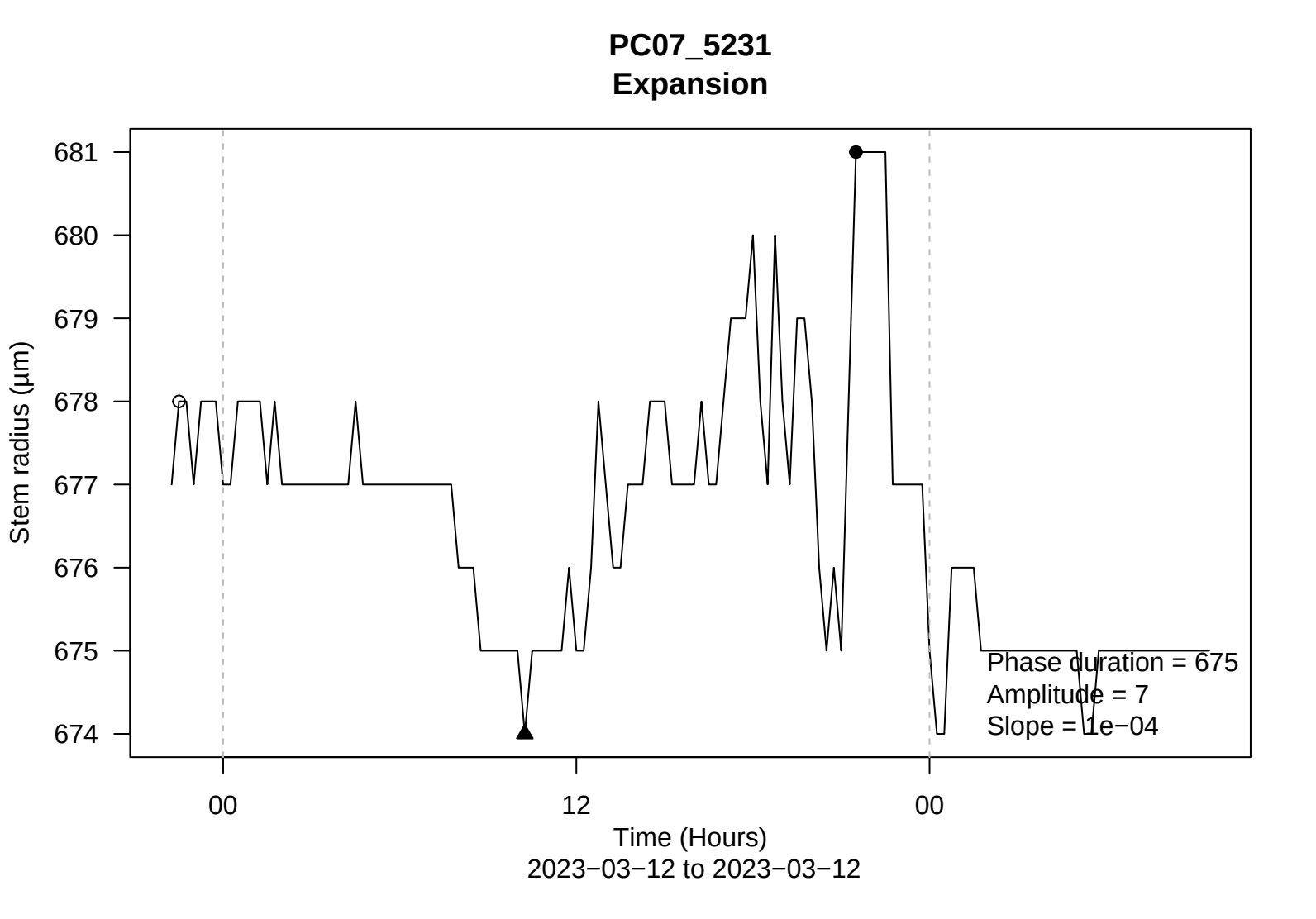

PC07_5231
Shrinkage
675
674
673
672
671
670
669
Stem radius (µm)
Phase duration = 615
Amplitude = −5
Slope = −1e−04
00
12
00
Time (Hours)
2023−03−08 to 2023−03−08

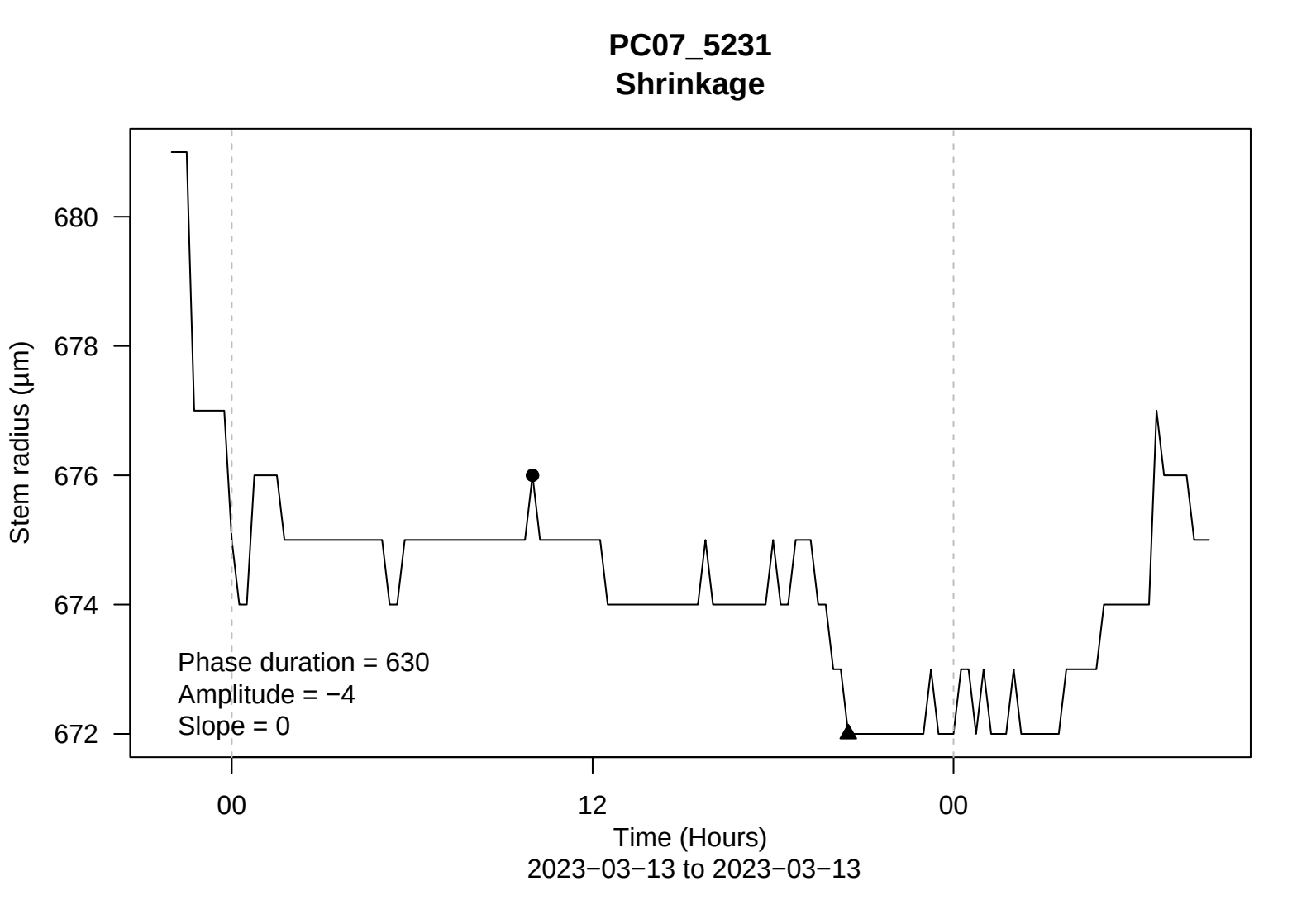

PC07_5231
Expansion
675
674
673
672
671
670
669
668
Stem radius (µm)
12
00
12
Time (Hours)
2023−03−10 to 2023−03−11
Phase duration = 780
Amplitude = 6
Slope = 1e−04

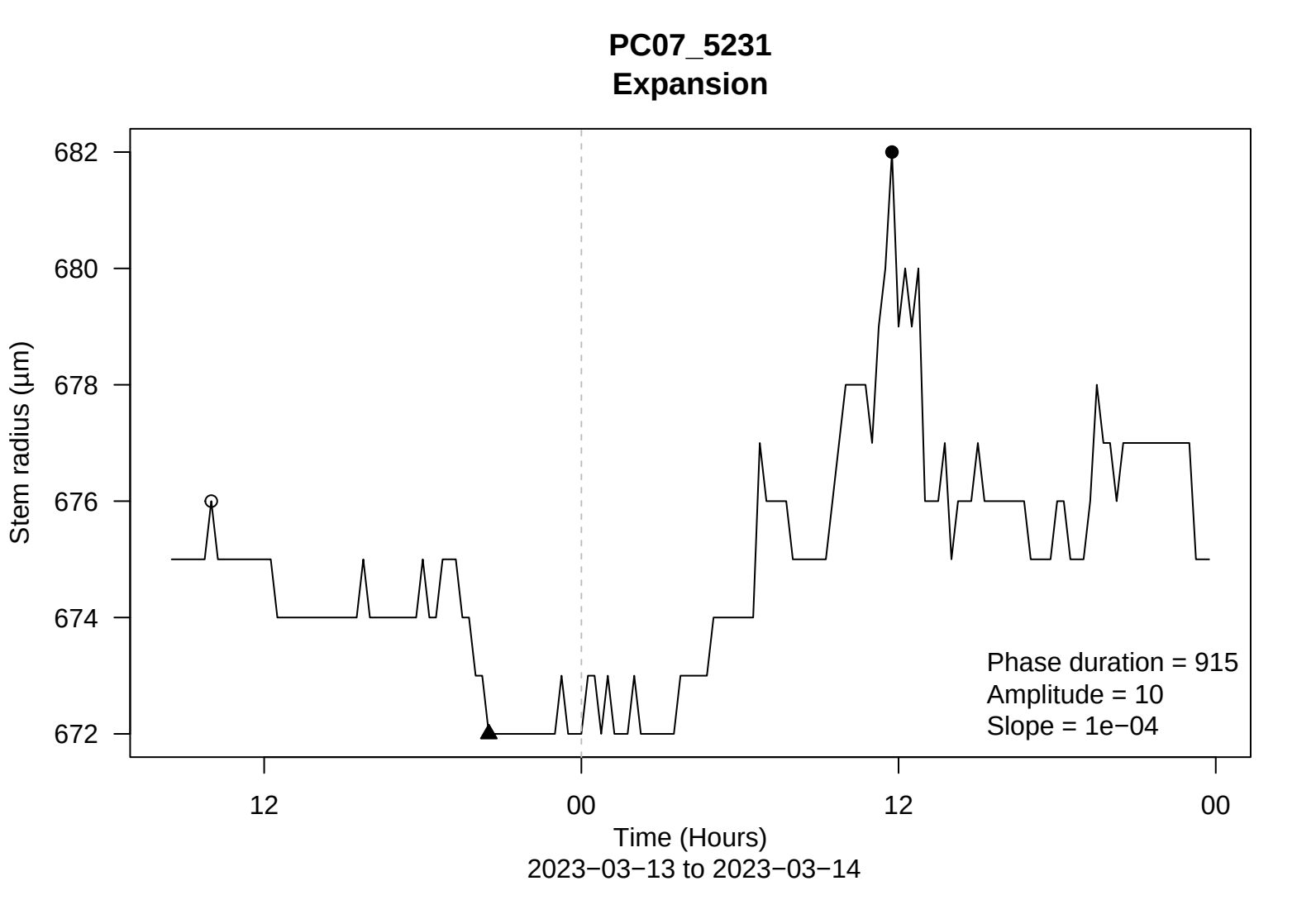

PC07_5231
Shrinkage
678
677
676
675
674
673
672
671
Stem radius (µm)
Phase duration = 405
Amplitude = −4
Slope = −1e−04
00
12
00
Time (Hours)
2023−03−11 to 2023−03−11

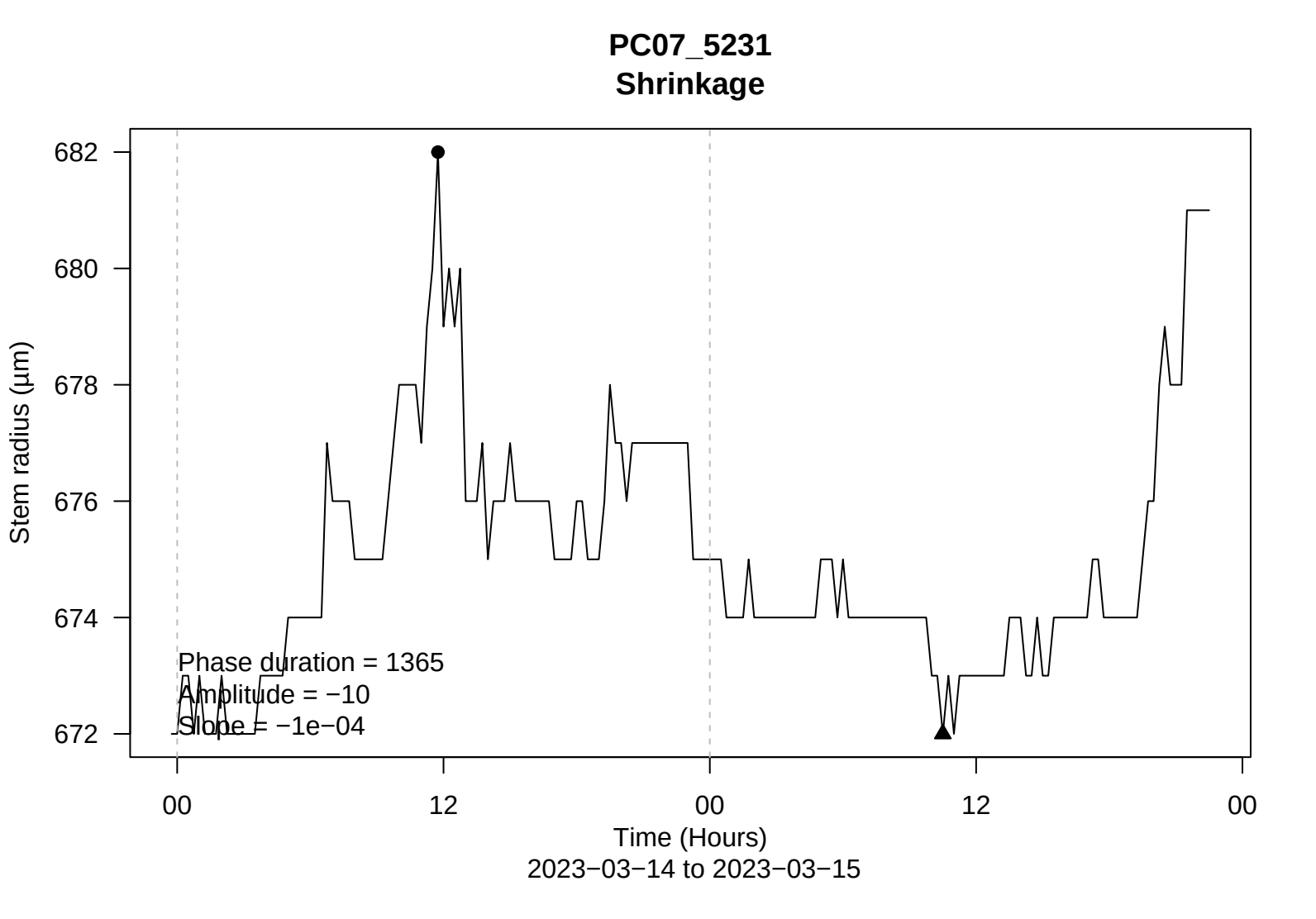

PC07_5231
Expansion
678
677
676
675
674
673
672
671
Stem radius (µm)
06
12
18
00
06
Time (Hours)
2023−03−11 to 2023−03−11
Phase duration = 330
Amplitude = 7
Slope = 3e−04

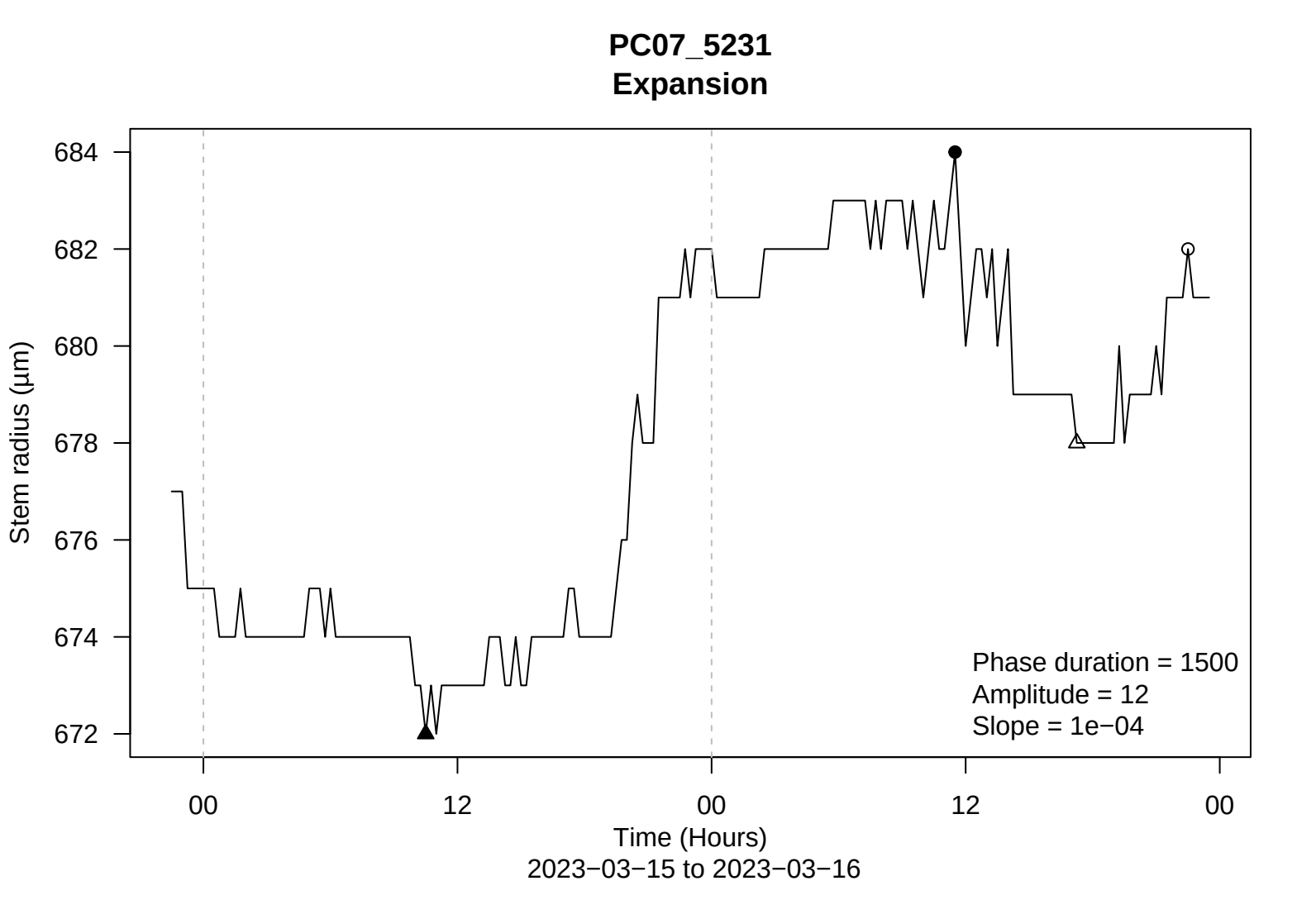

PC07_5231
Shrinkage
680
678
676
674
672
Stem radius (µm)
Phase duration = 705
Amplitude = −4
Slope = −1e−04
12
00
12
Time (Hours)
2023−03−11 to 2023−03−12

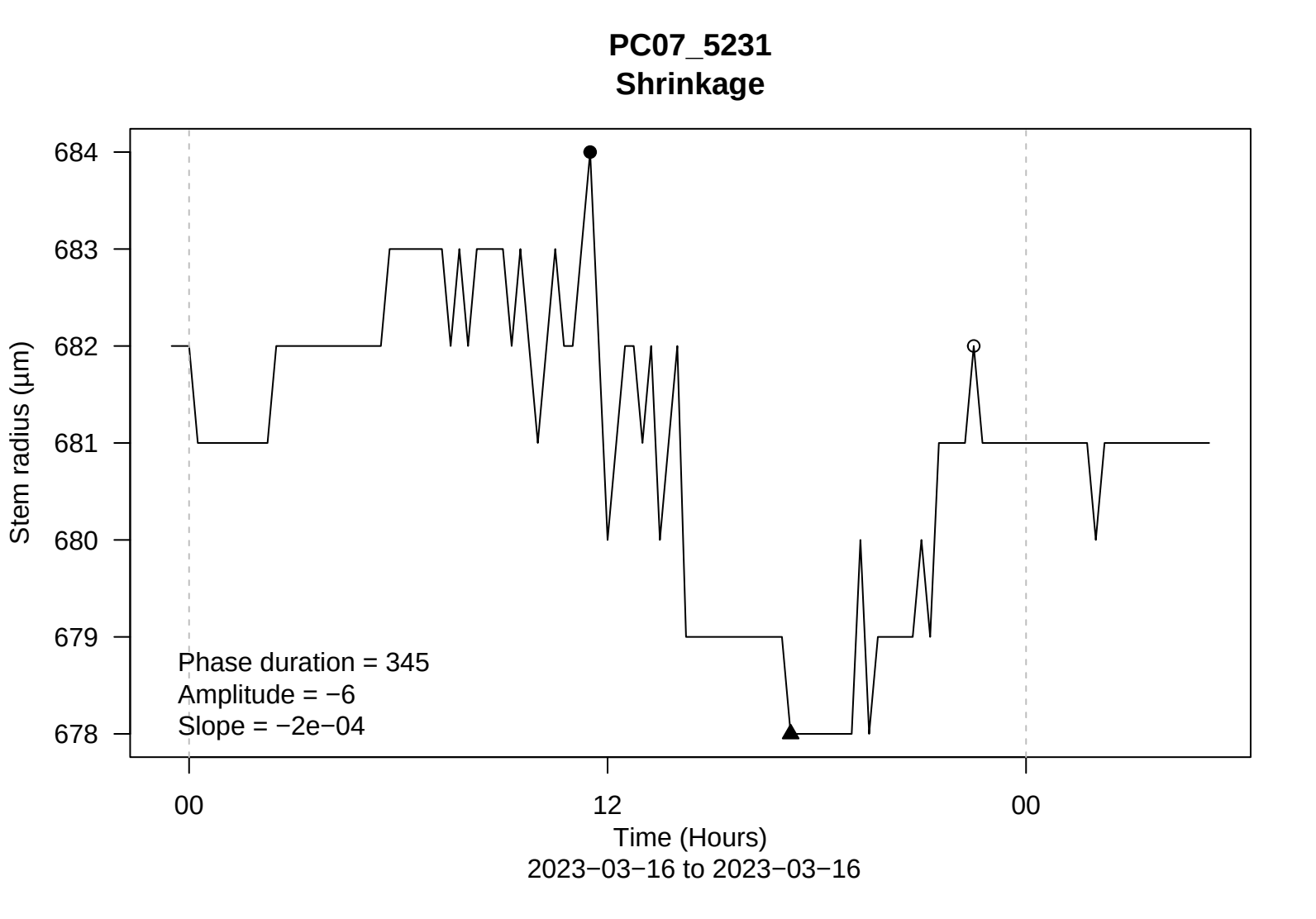

PC07_5231
Expansion
Stem radius (µm)
681
680
679
678
677
676
675
674
00
12
00
Time (Hours)
2023−03−12 to 2023−03−12
Phase duration = 675
Amplitude = 7
Slope = 1e−04

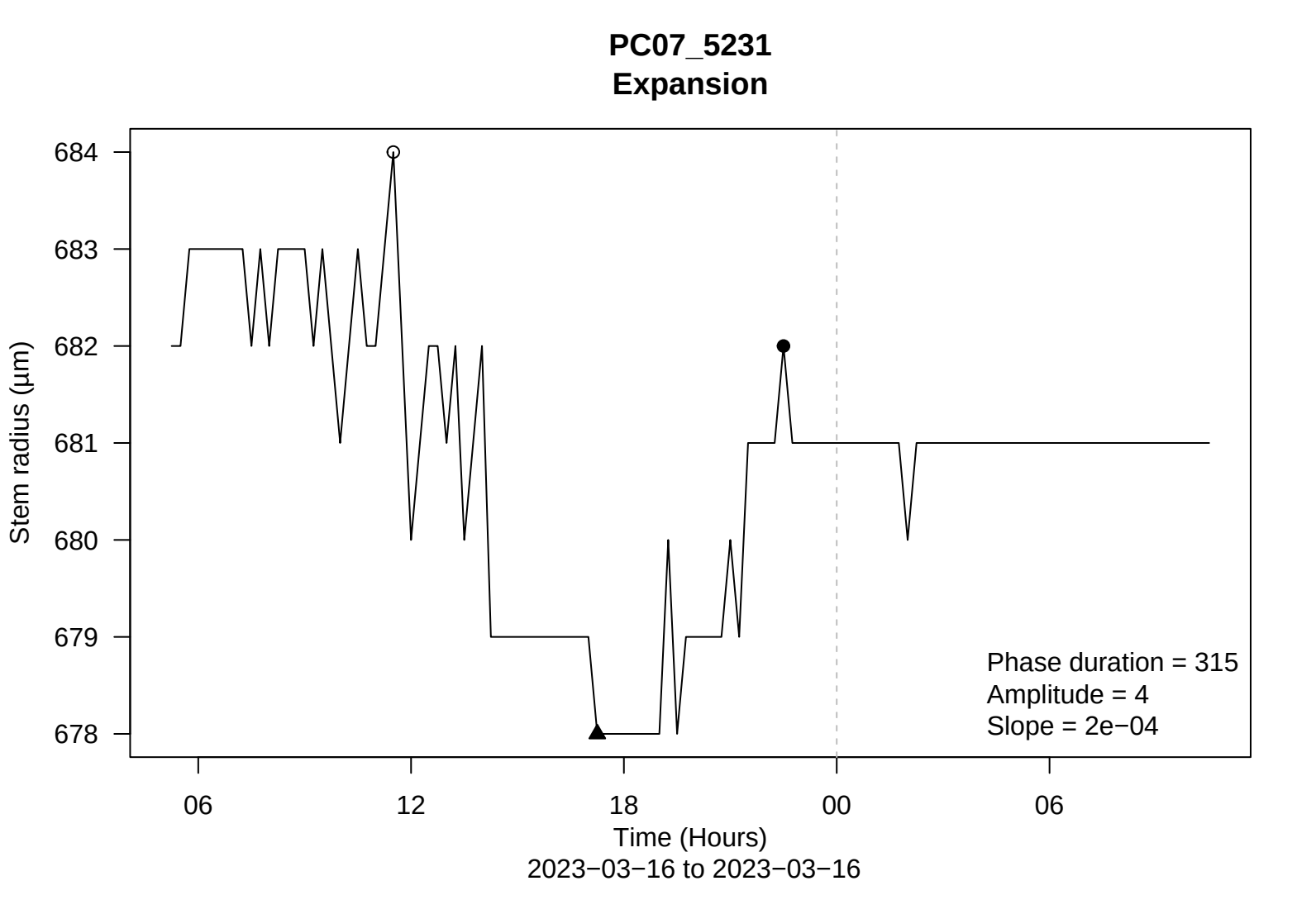

PC07_5231
Shrinkage
680
678
676
674
672
Stem radius (µm)
Phase duration = 630
Amplitude = −4
Slope = 0
00
12
00
Time (Hours)
2023−03−13 to 2023−03−13

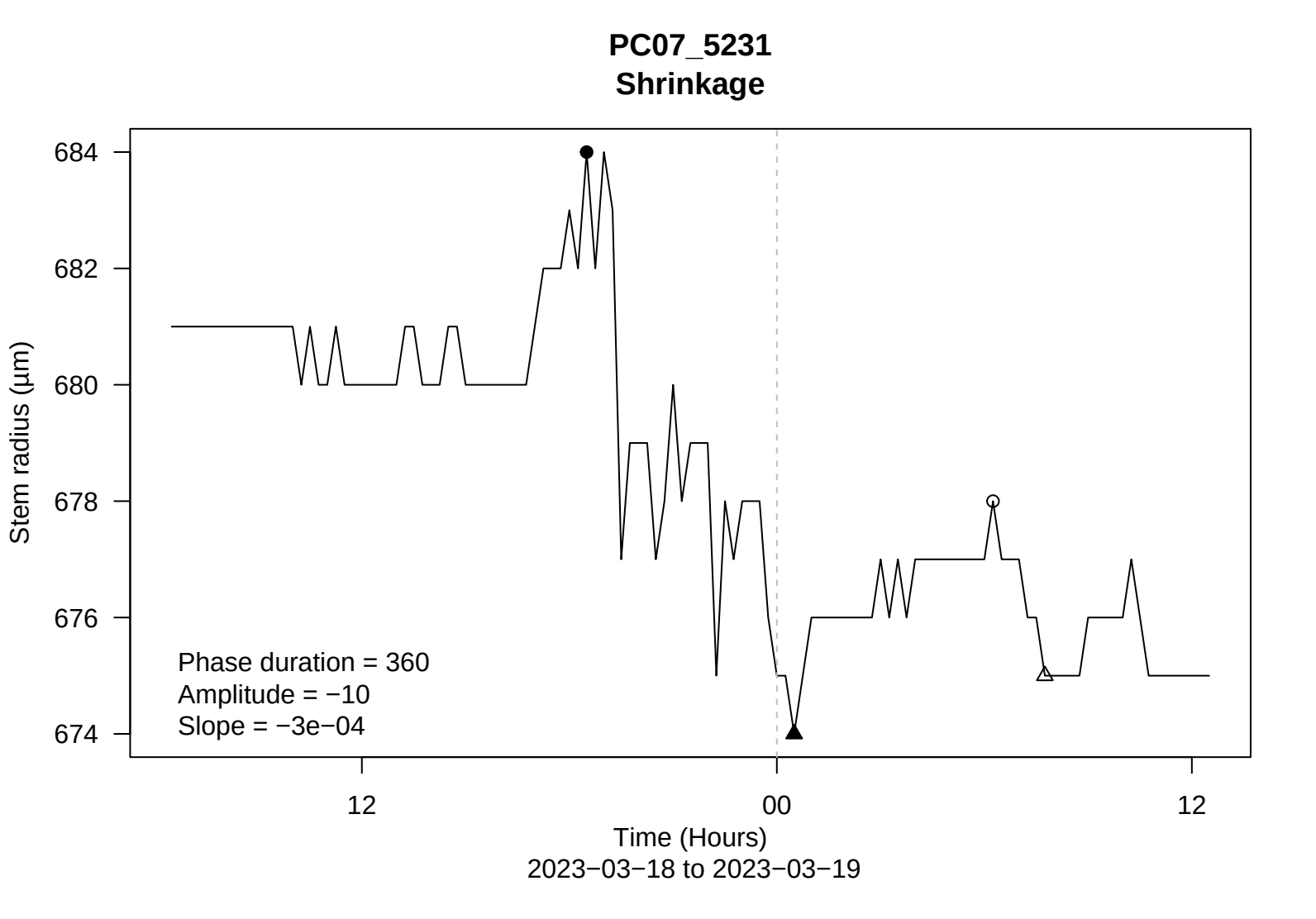

PC07_5231
Expansion
682
680
678
676
674
672
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−03−13 to 2023−03−14
Phase duration = 915
Amplitude = 10
Slope = 1e−04

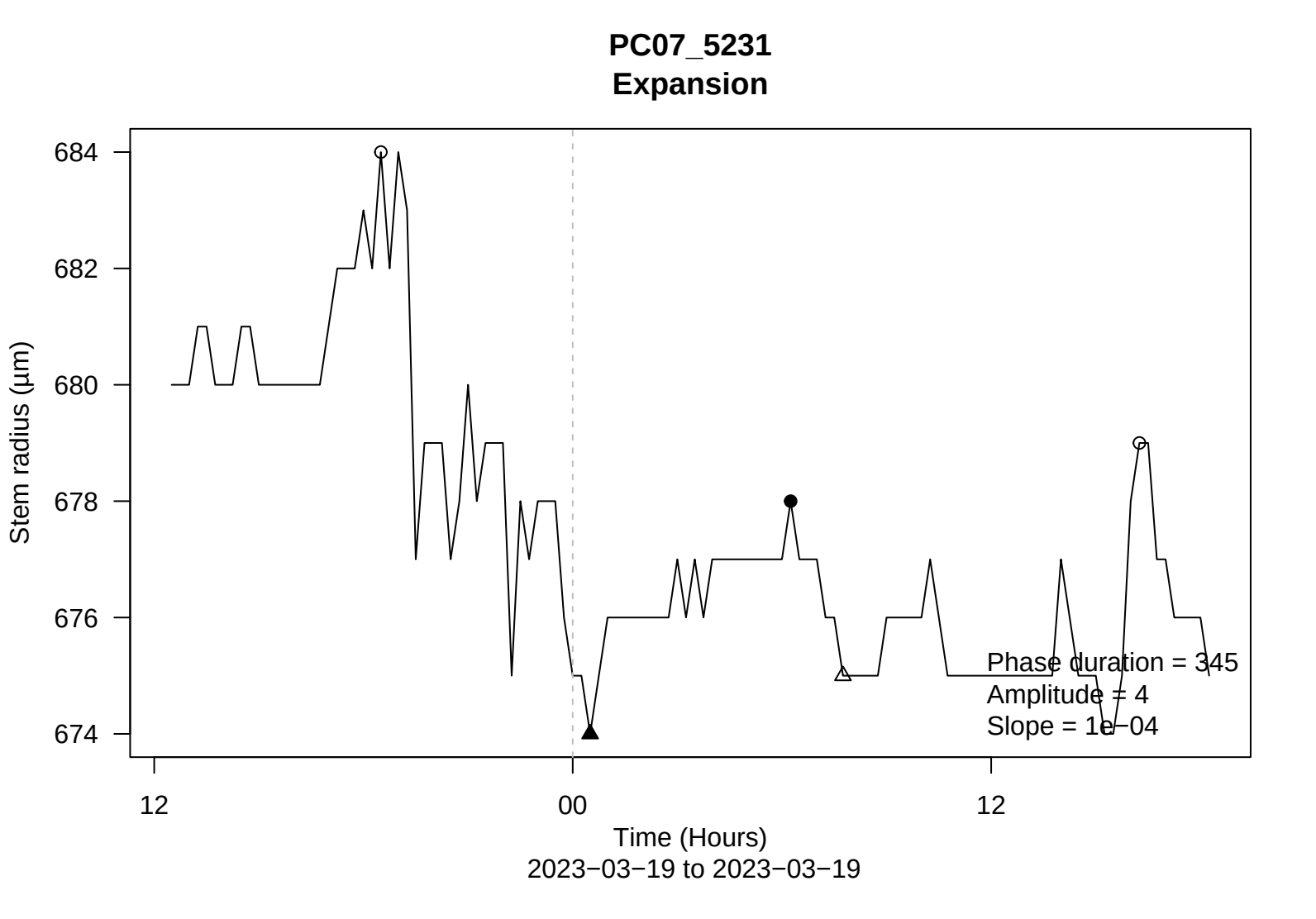

PC07_5231
Shrinkage
682
680
678
676
674
672
Stem radius (µm)
Phase duration = 1365
Amplitude = −10
Slope = −1e−04
00
12
00
12
00
Time (Hours)
2023−03−14 to 2023−03−15

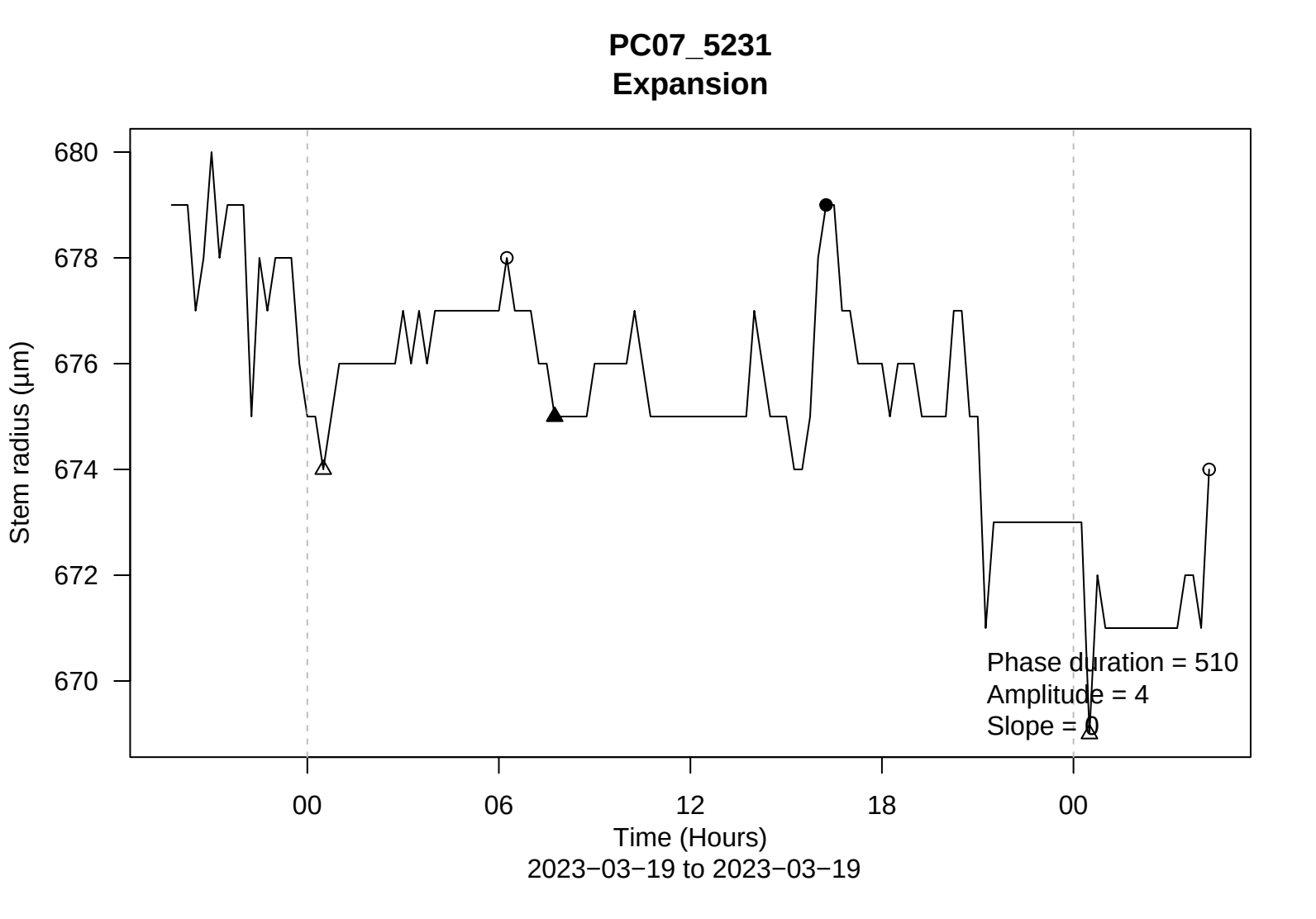

PC07_5231
Expansion
684
682
680
678
676
674
672
Stem radius (µm)
00
12
00
12
00
Time (Hours)
2023−03−15 to 2023−03−16
Phase duration = 1500
Amplitude = 12
Slope = 1e−04

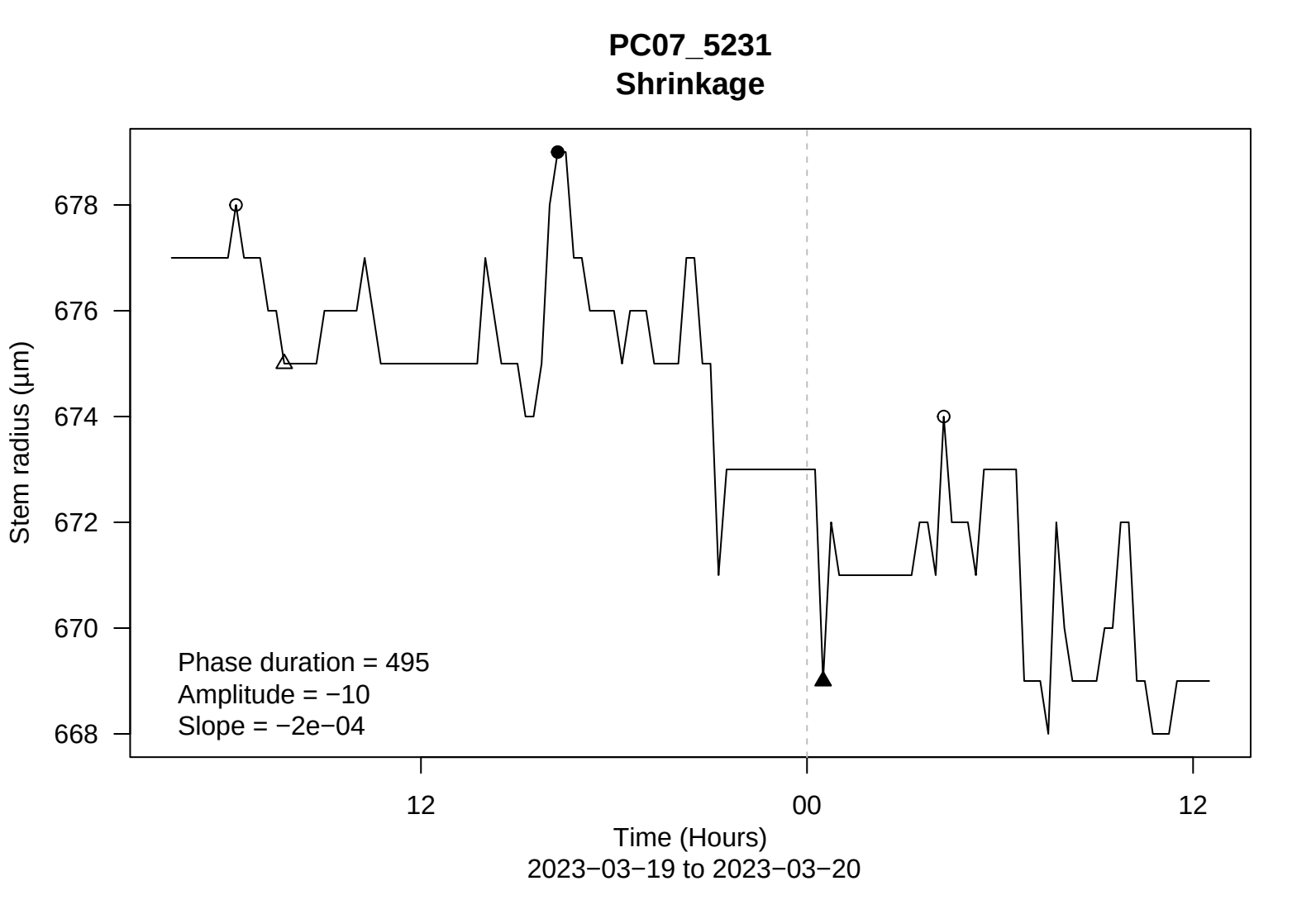

PC07_5231
Shrinkage
Stem radius (µm)
684
683
682
681
680
679
678
Phase duration = 345
Amplitude = −6
Slope = −2e−04
00
12
00
Time (Hours)
2023−03−16 to 2023−03−16

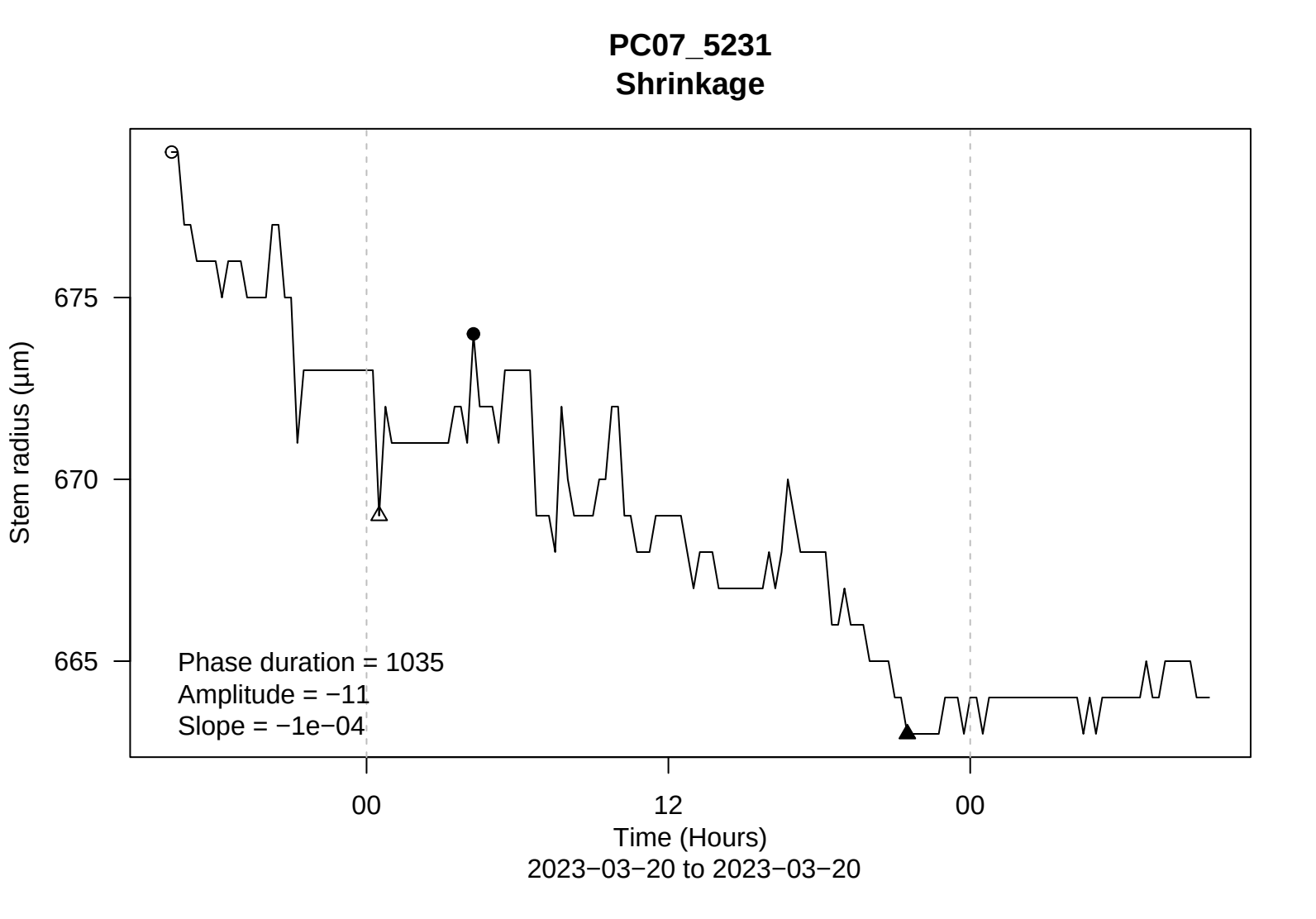

PC07_5231
Expansion
684
683
682
681
680
679
678
Stem radius (µm)
06
12
18
00
06
Time (Hours)
2023−03−16 to 2023−03−16
Phase duration = 315
Amplitude = 4
Slope = 2e−04

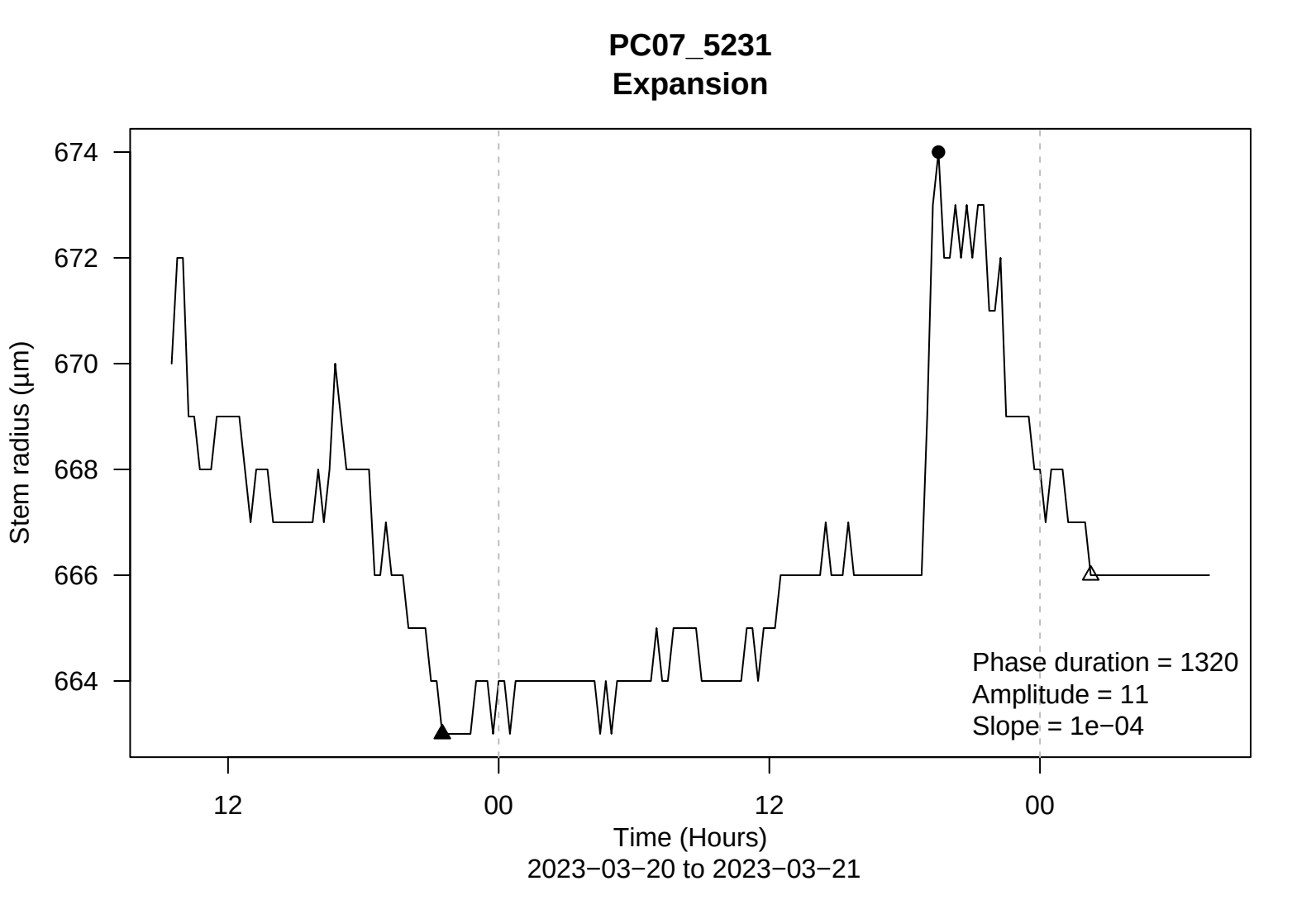

PC07_5231
Shrinkage
684
682
680
678
676
674
Stem radius (µm)
Phase duration = 360
Amplitude = −10
Slope = −3e−04
12
00
12
Time (Hours)
2023−03−18 to 2023−03−19

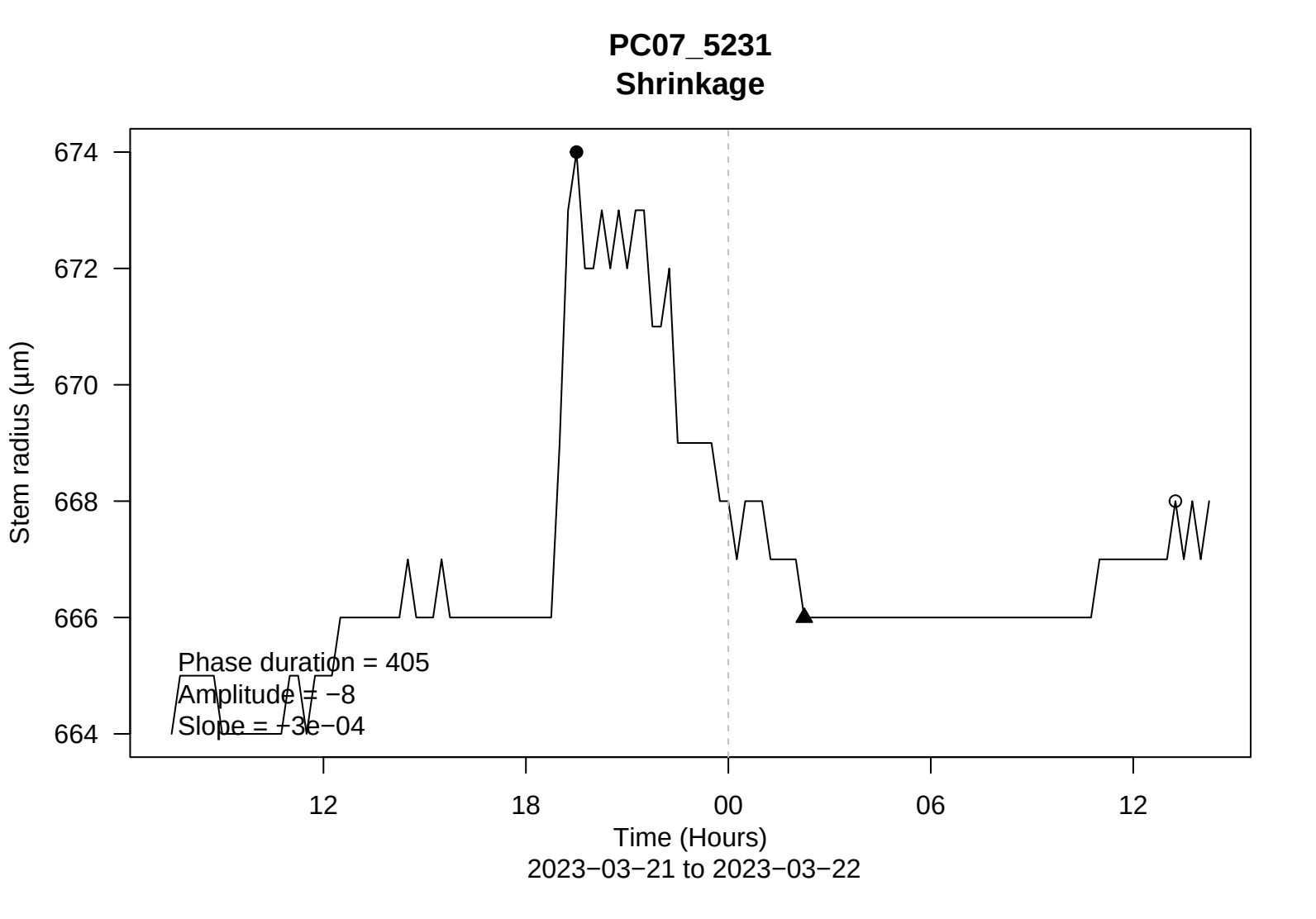

PC07_5231
Expansion
684
682
680
678
676
674
Stem radius (µm)
12
00
12
Time (Hours)
2023−03−19 to 2023−03−19
Phase duration = 345
Amplitude = 4
Slope = 1e−04

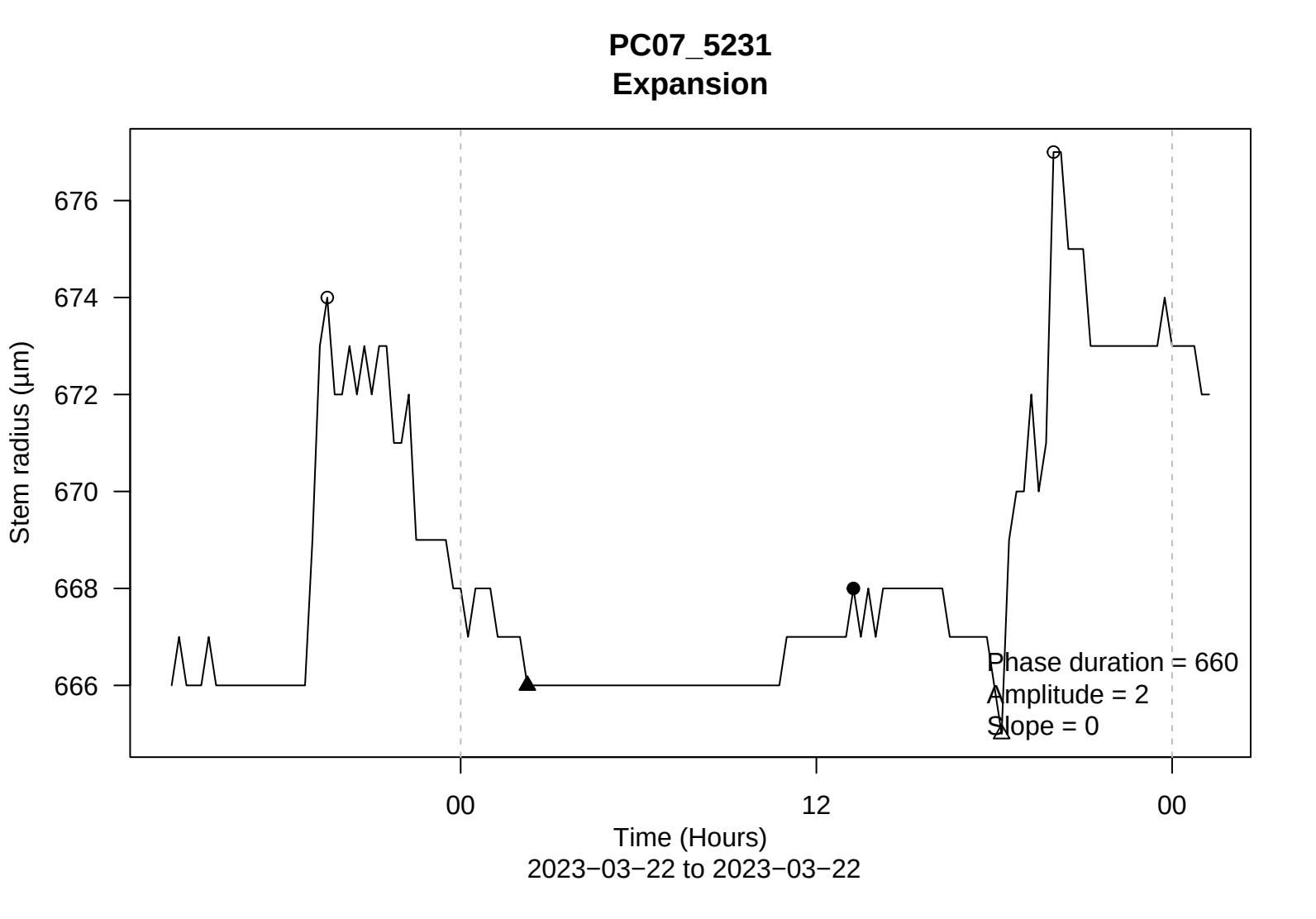

PC07_5231
Expansion
680
678
676
674
672
670
Stem radius (µm)
00
06
12
18
00
Time (Hours)
2023−03−19 to 2023−03−19
Phase duration = 510
Amplitude = 4
Slope = 0

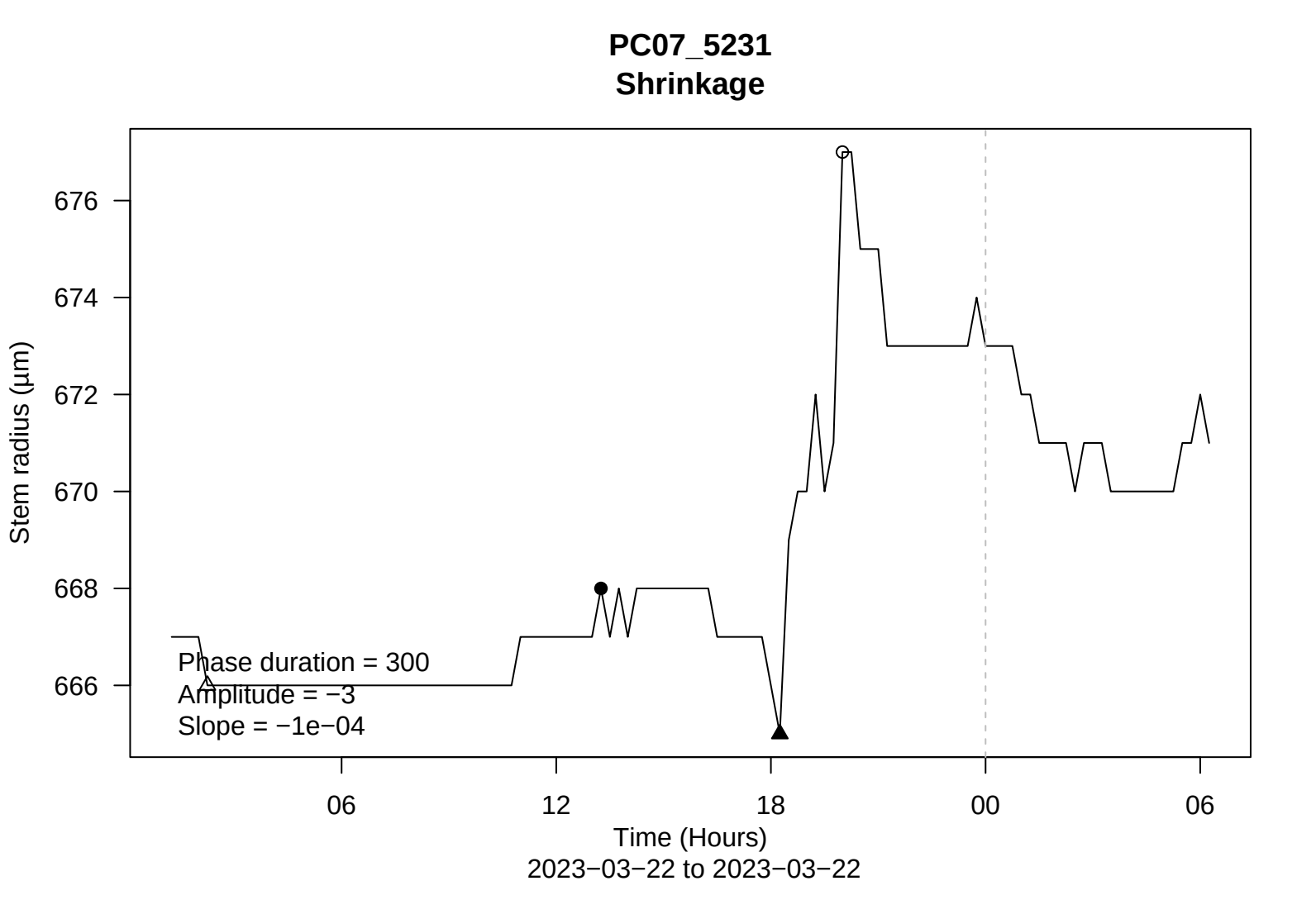

PC07_5231
Shrinkage
678
676
674
672
670
668
Stem radius (µm)
Phase duration = 495
Amplitude = −10
Slope = −2e−04
12
00
12
Time (Hours)
2023−03−19 to 2023−03−20

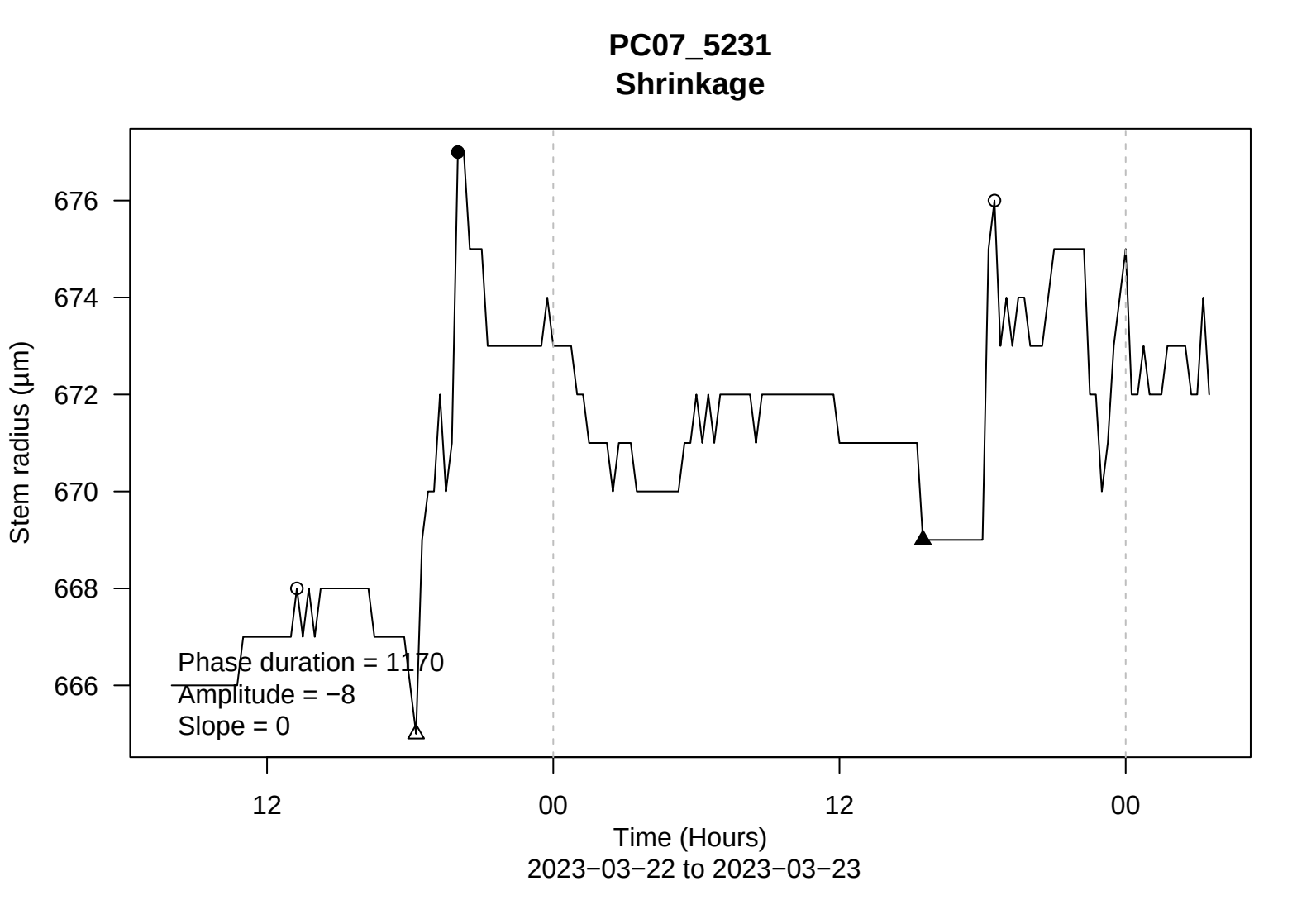

PC07_5231
Shrinkage
675
670
665
Stem radius (µm)
Phase duration = 1035
Amplitude = −11
Slope = −1e−04
00
12
00
Time (Hours)
2023−03−20 to 2023−03−20

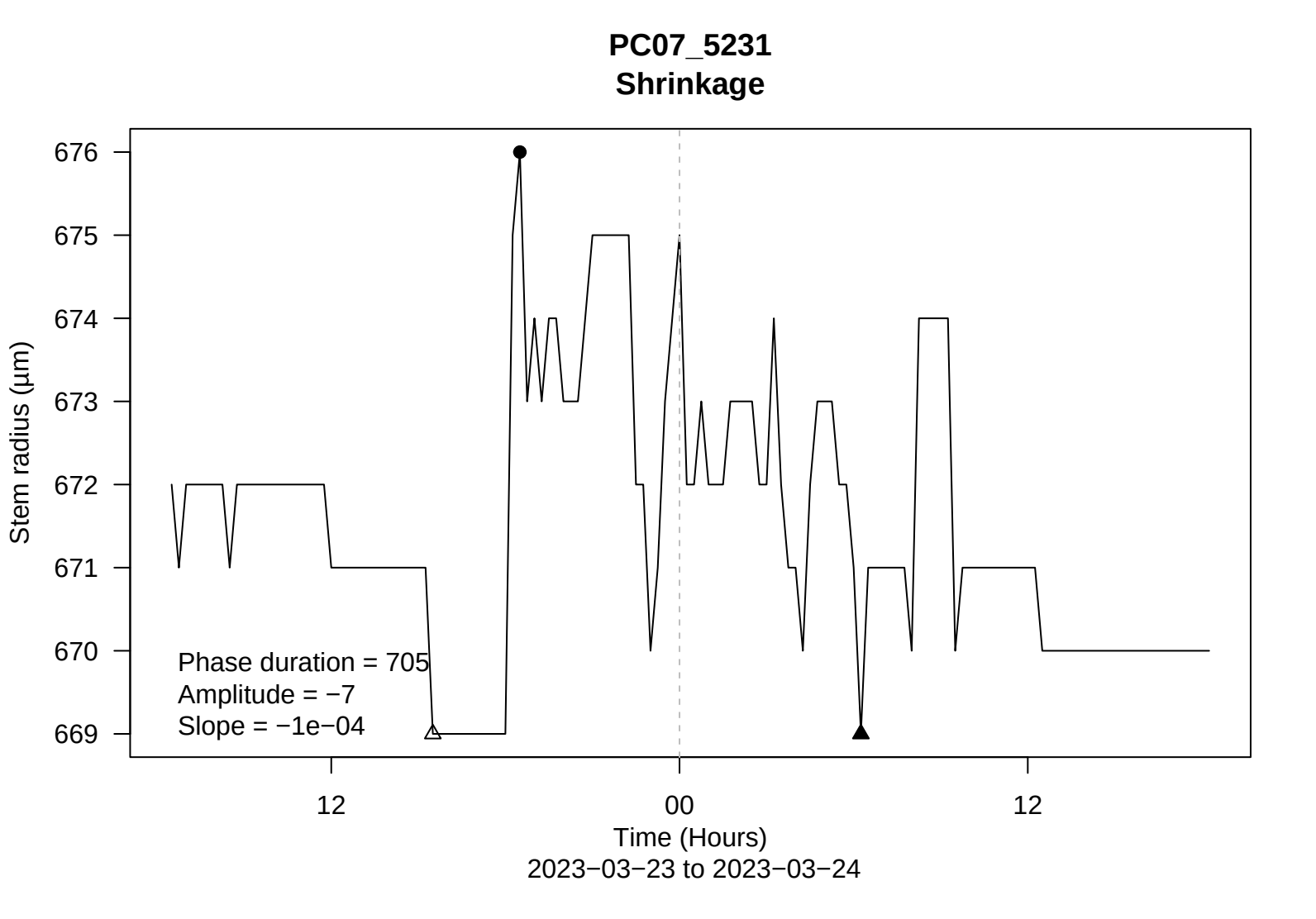

PC07_5231
Expansion
674
672
670
668
666
664
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−03−20 to 2023−03−21
Phase duration = 1320
Amplitude = 11
Slope = 1e−04

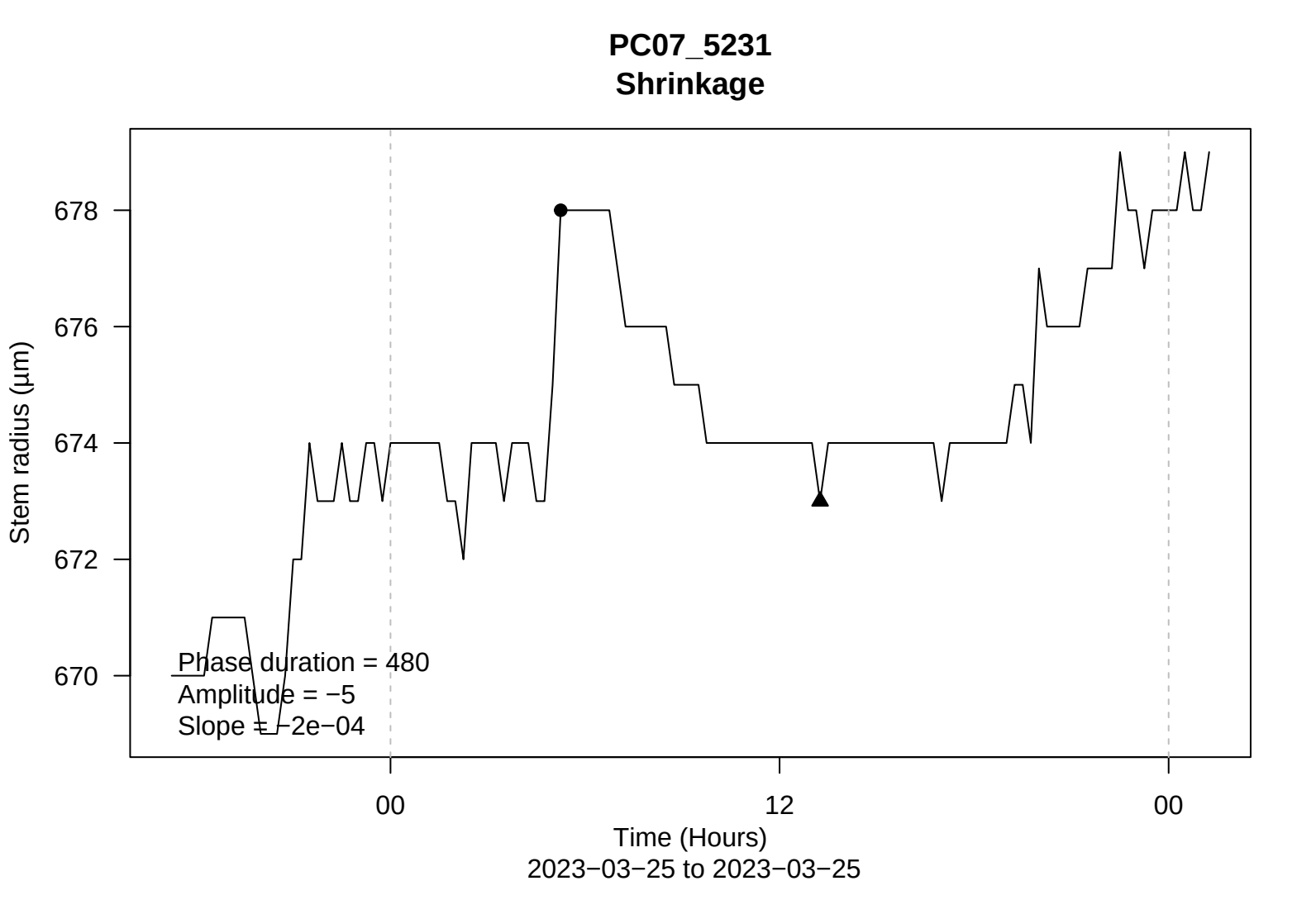

PC07_5231
Shrinkage
674
672
670
668
666
664
Stem radius (µm)
Phase duration = 405
Amplitude = −8
Slope = −3e−04
12
18
00
06
12
Time (Hours)
2023−03−21 to 2023−03−22

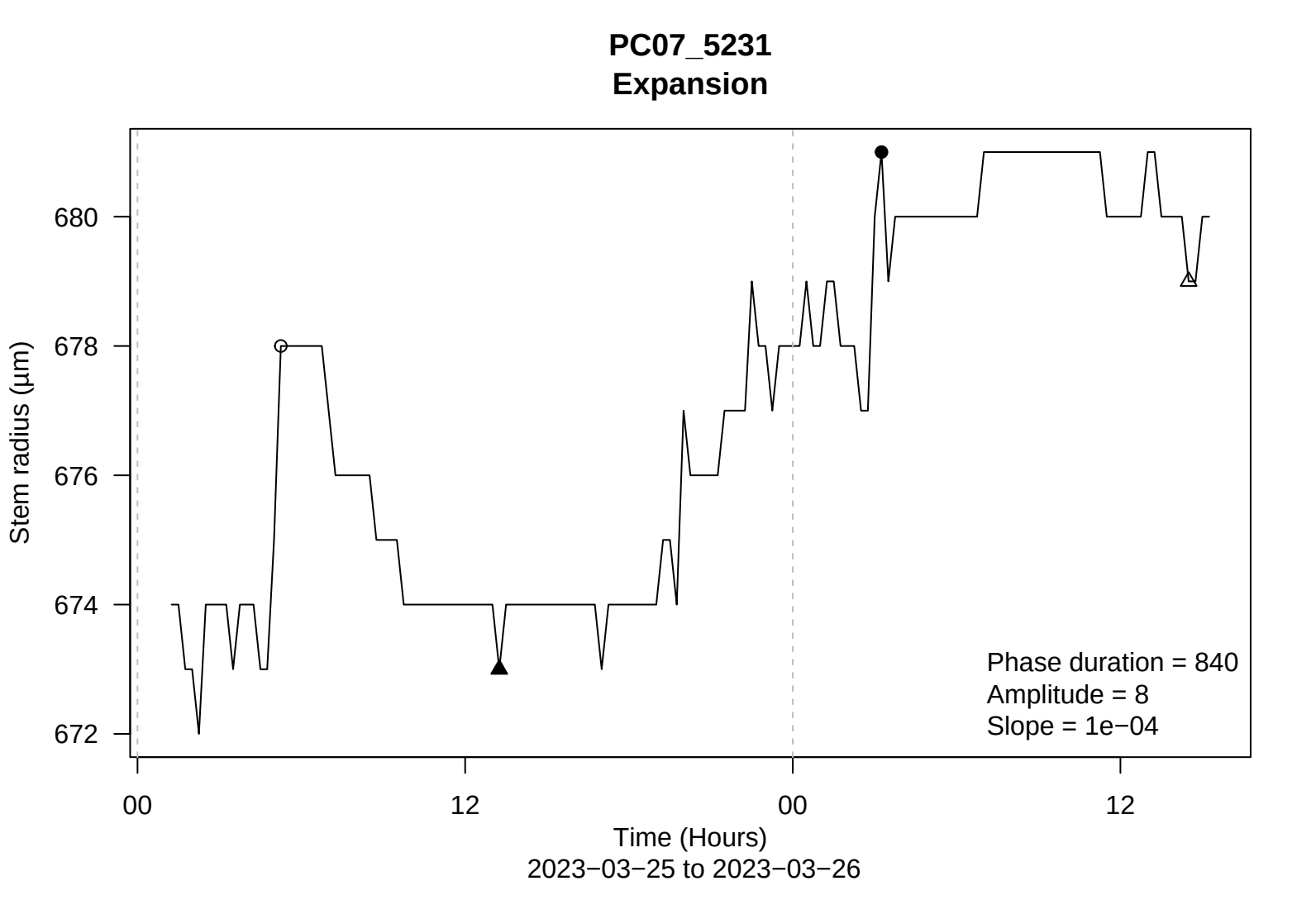

PC07_5231
Expansion
Stem radius (µm)
676
674
672
670
668
666
00
12
00
Time (Hours)
2023−03−22 to 2023−03−22
Phase duration = 660
Amplitude = 2
Slope = 0

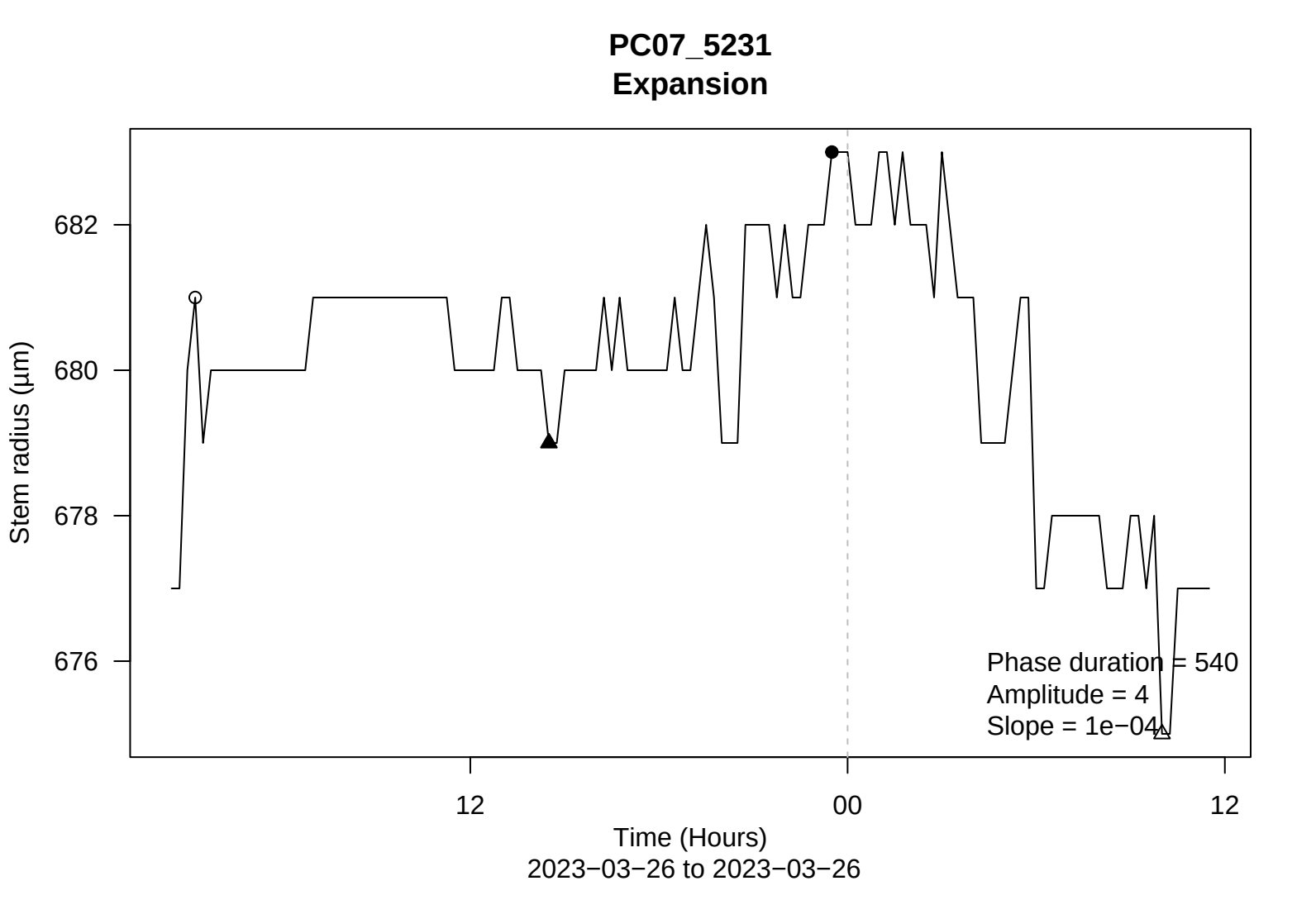

PC07_5231
Shrinkage
Stem radius (µm)
676
674
672
670
668
666
Phase duration = 300
Amplitude = −3
Slope = −1e−04
06
12
18
00
06
Time (Hours)
2023−03−22 to 2023−03−22

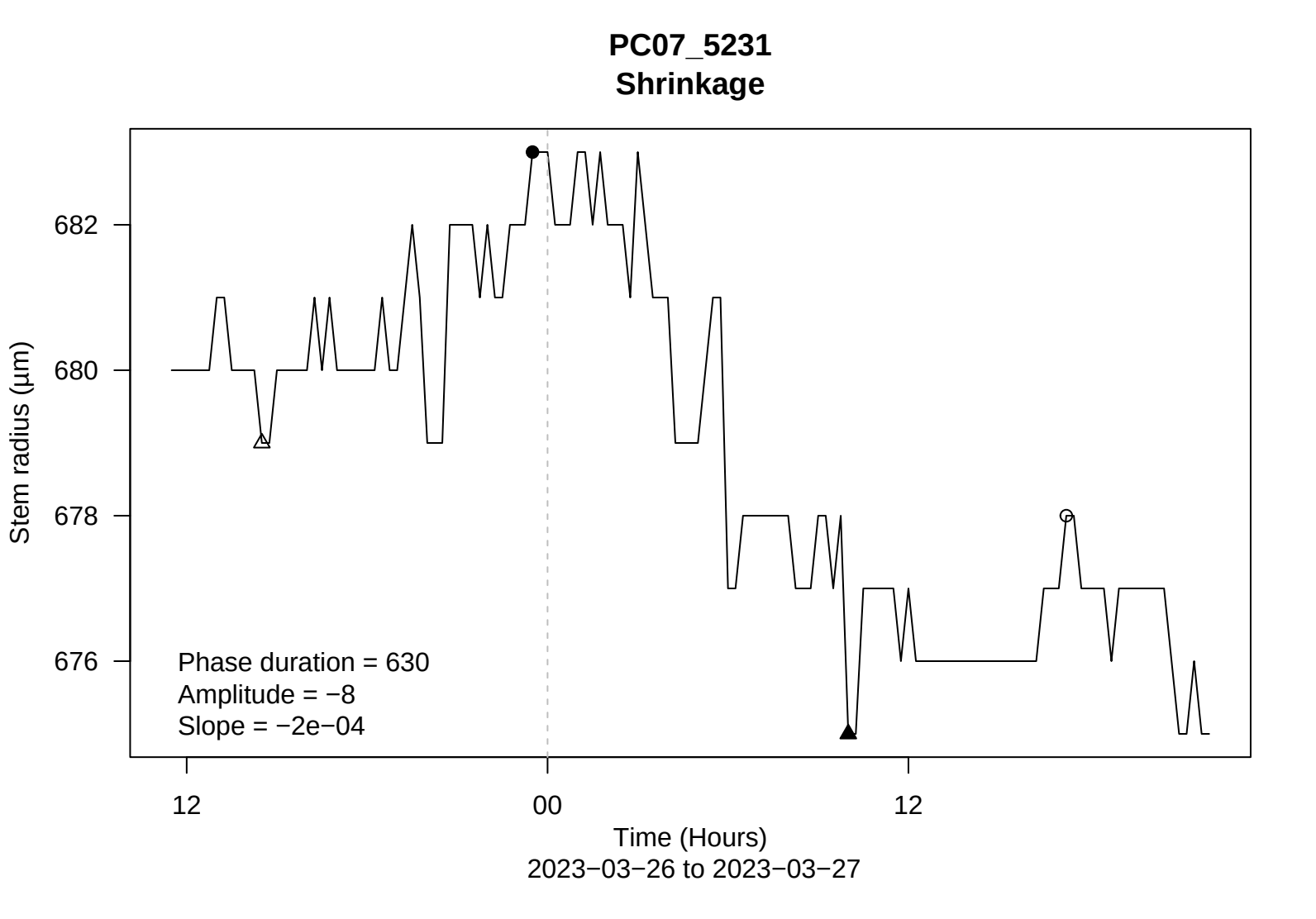

PC07_5231
Shrinkage
Stem radius (µm)
676
674
672
670
668
666
Phase duration = 1170
Amplitude = −8
Slope = 0
12
00
12
00
Time (Hours)
2023−03−22 to 2023−03−23

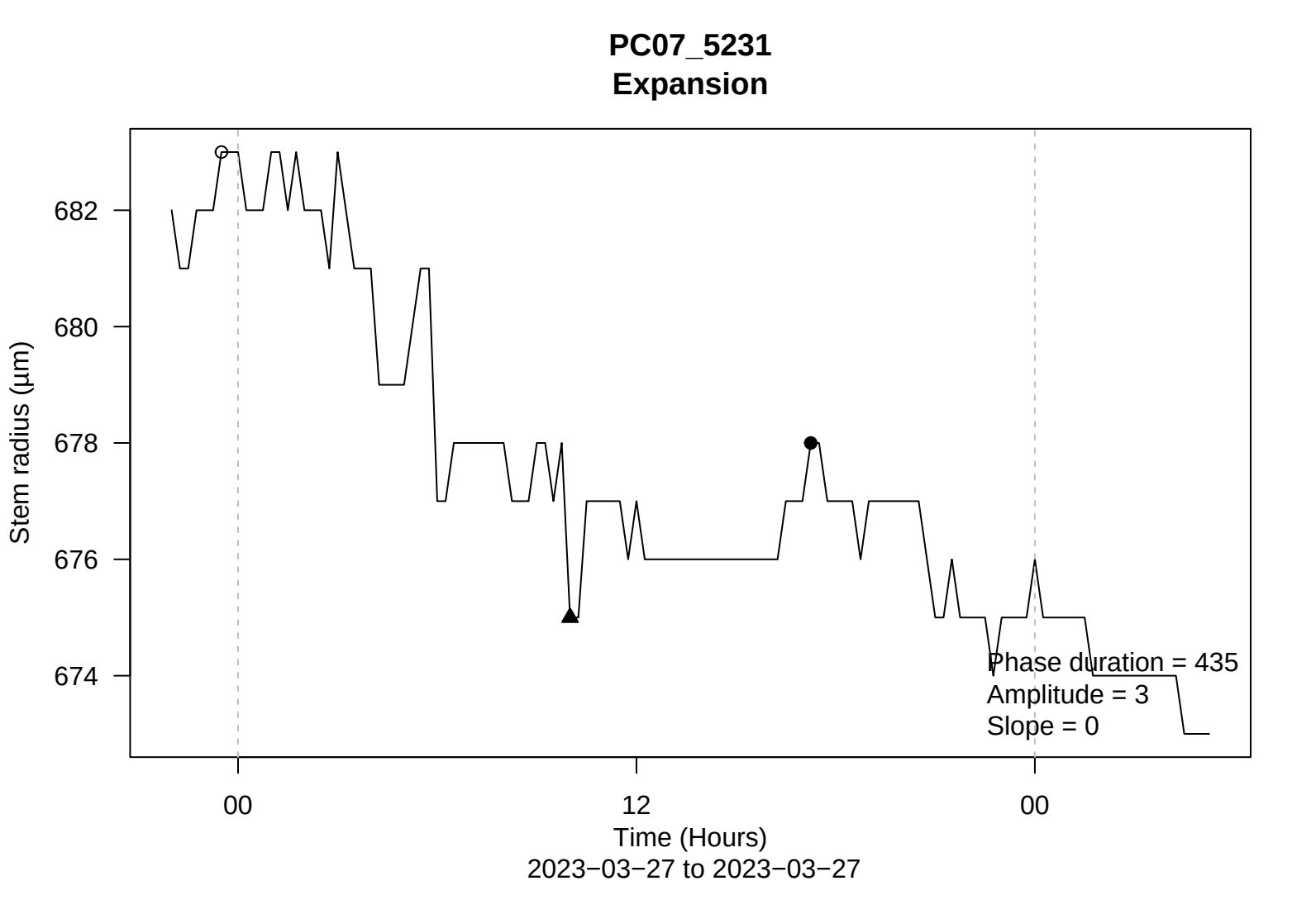

PC07_5231
Shrinkage
Stem radius (µm)
676
675
674
673
672
671
670
669
Phase duration = 705
Amplitude = −7
Slope = −1e−04
12
00
12
Time (Hours)
2023−03−23 to 2023−03−24

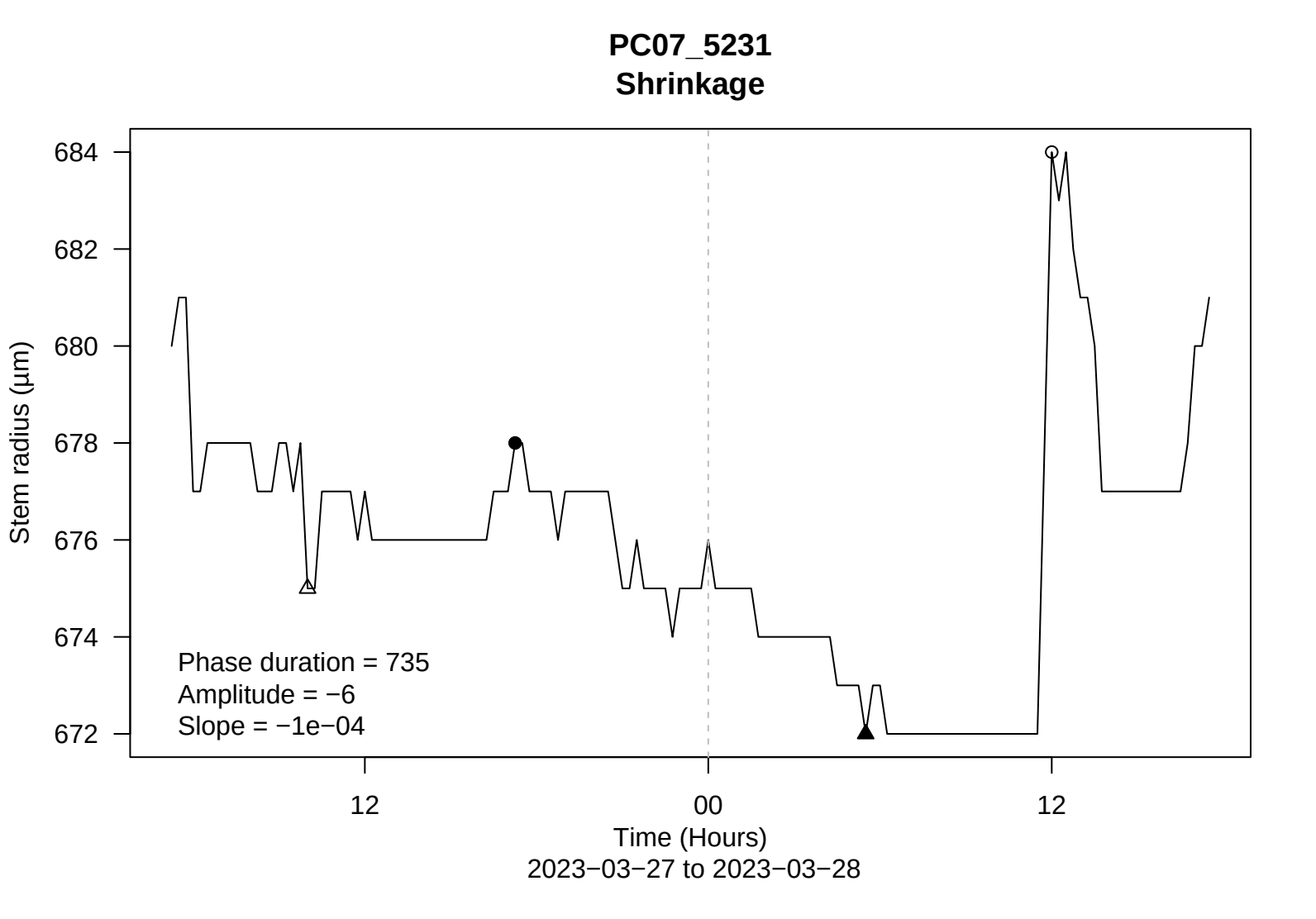

PC07_5231
Shrinkage
Stem radius (µm)
678
676
674
672
670
Phase duration = 480
Amplitude = −5
Slope = −2e−04
00
12
00
Time (Hours)
2023−03−25 to 2023−03−25

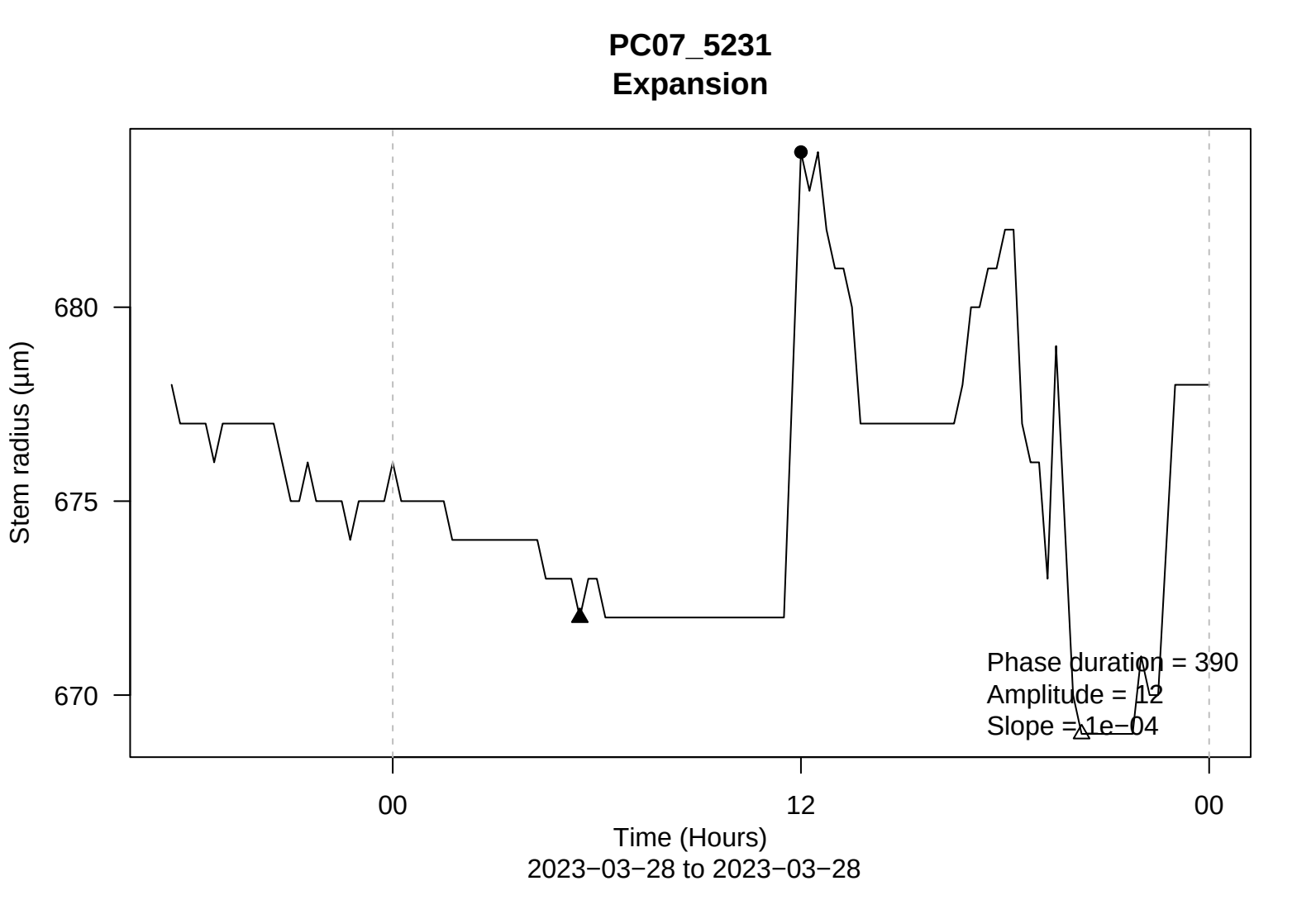

PC07_5231
Expansion
680
678
676
674
672
Stem radius (µm)
00
12
00
12
Time (Hours)
2023−03−25 to 2023−03−26
Phase duration = 840
Amplitude = 8
Slope = 1e−04

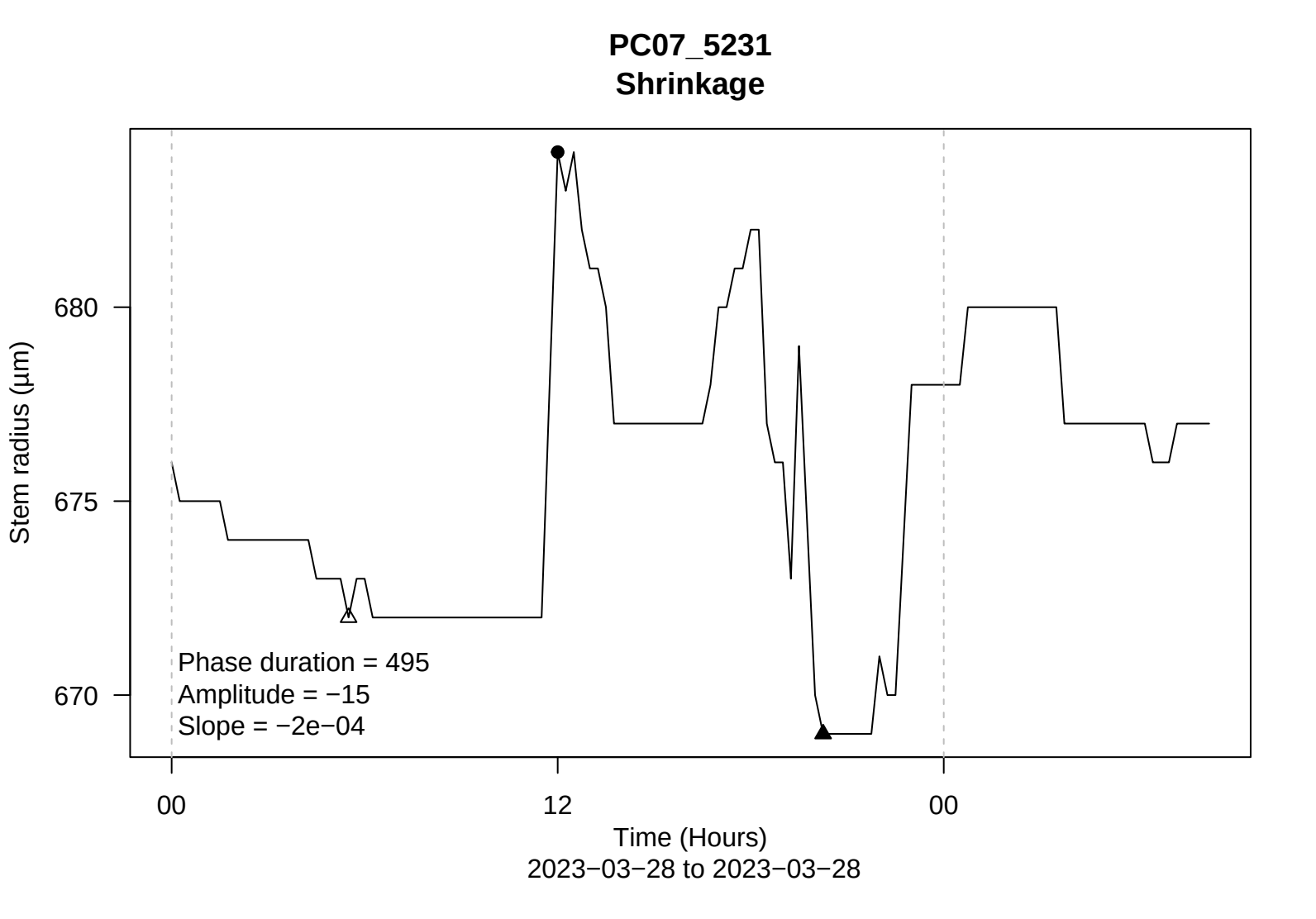

PC07_5231
Expansion
682
680
678
676
Stem radius (µm)
Phase duration = 540
Amplitude = 4
Slope = 1e−04
12
00
12
Time (Hours)
2023−03−26 to 2023−03−26

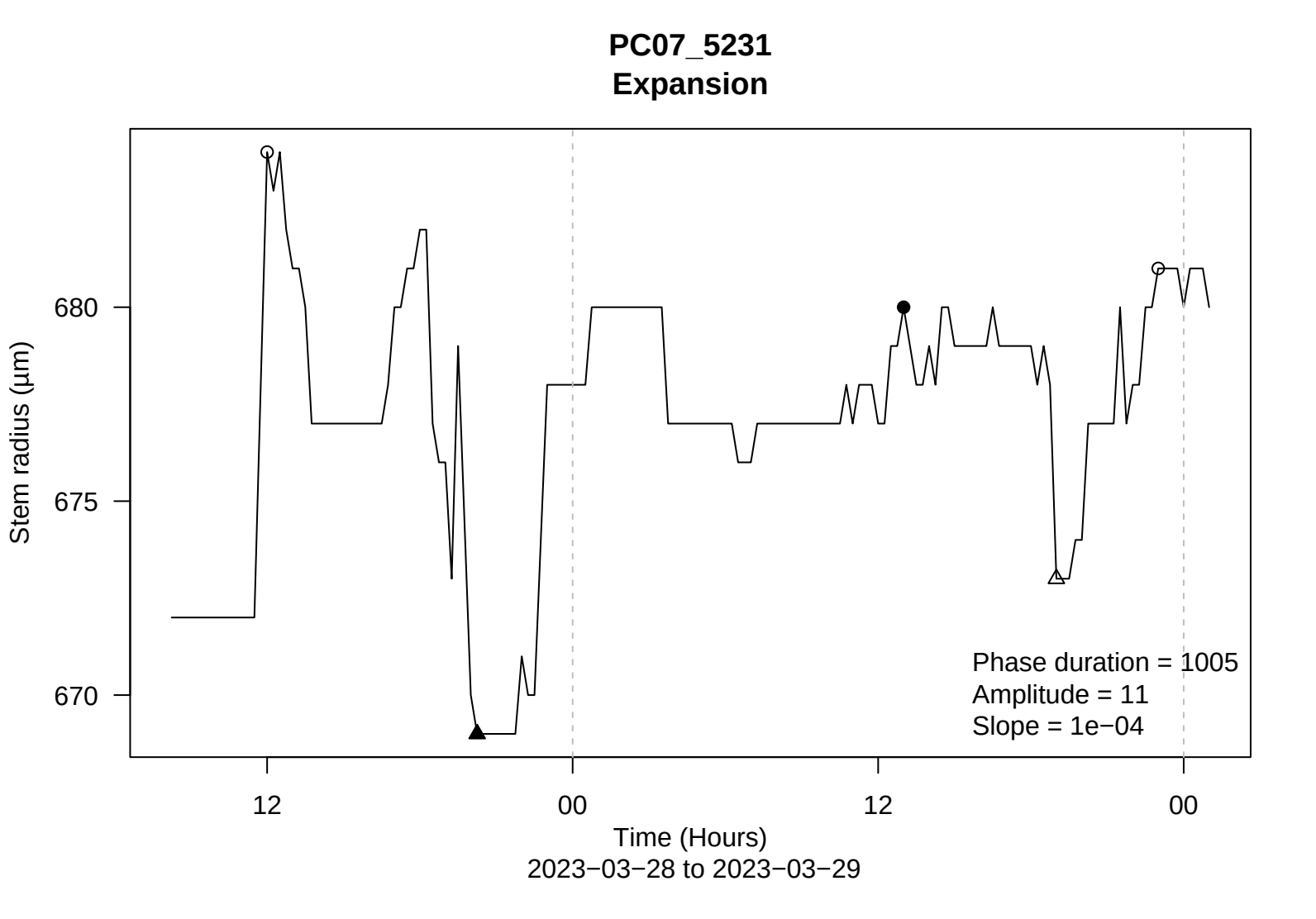

PC07_5231
Shrinkage
682
680
678
676
Stem radius (µm)
Phase duration = 630
Amplitude = −8
Slope = −2e−04
12
00
12
Time (Hours)
2023−03−26 to 2023−03−27

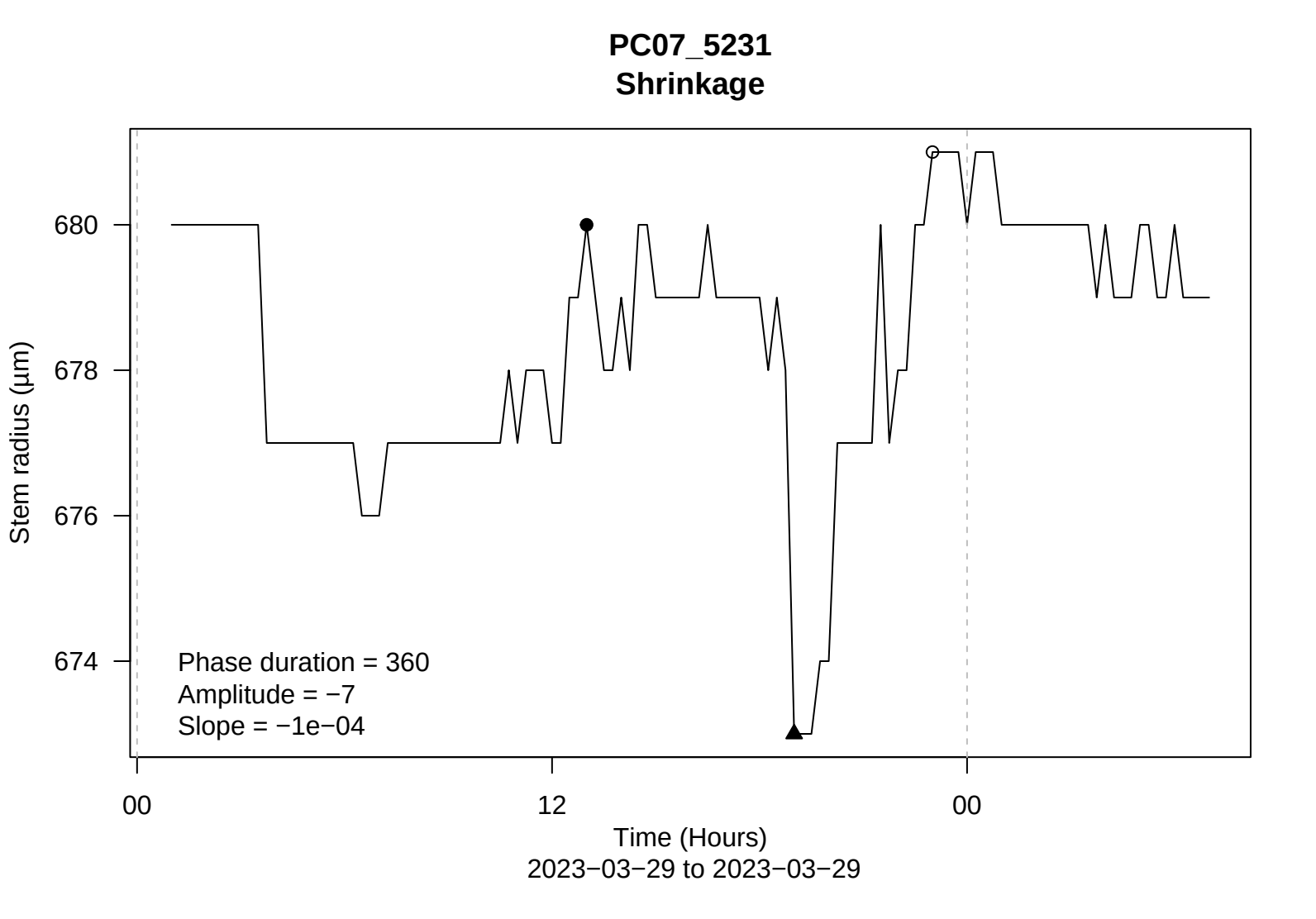

PC07_5231
Expansion
682
680
678
676
674
Stem radius (µm)
Phase duration = 435
Amplitude = 3
Slope = 0
00
12
00
Time (Hours)
2023−03−27 to 2023−03−27

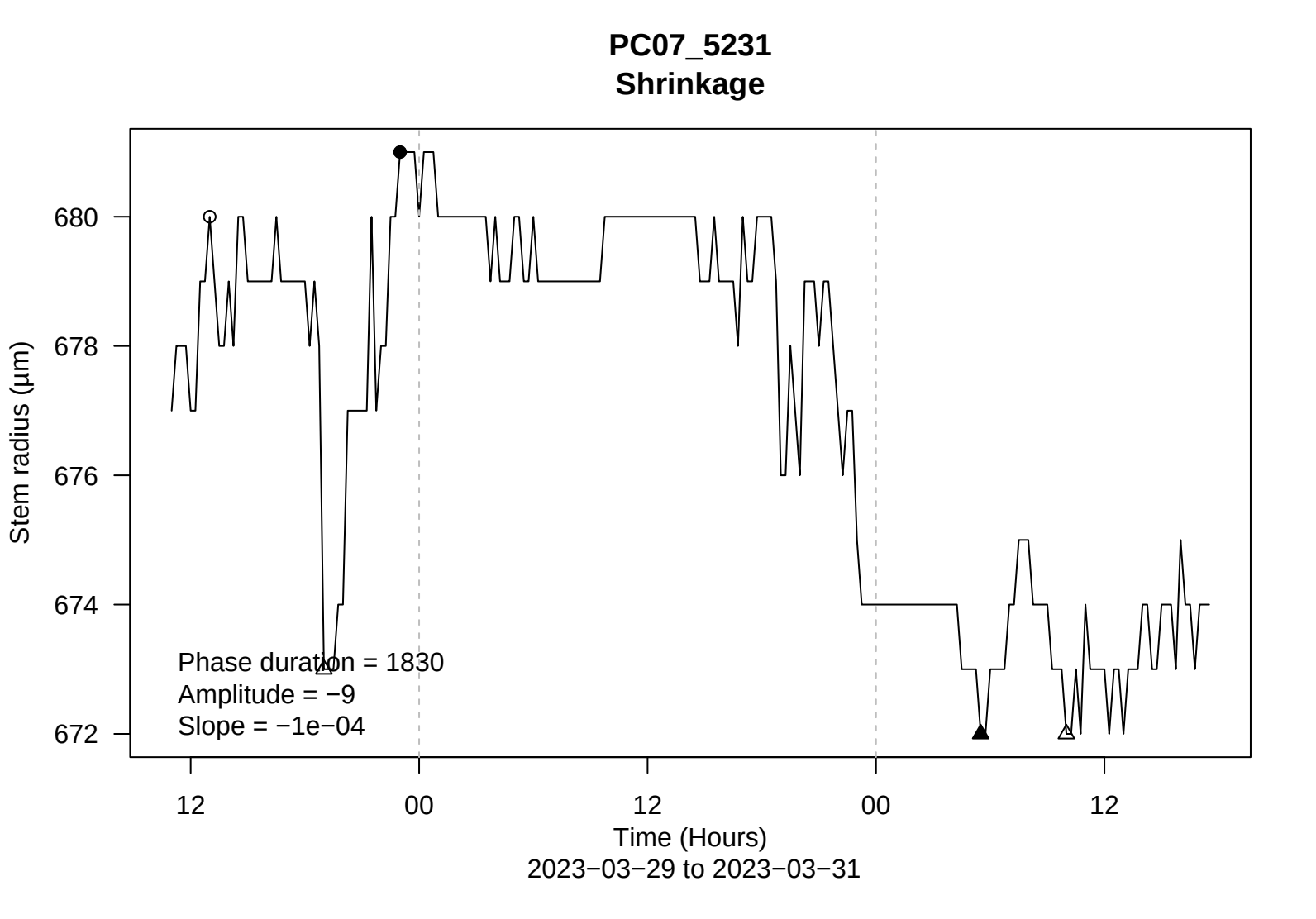

PC07_5231
Shrinkage
Stem radius (µm)
684
682
680
678
676
674
672
Phase duration = 735
Amplitude = −6
Slope = −1e−04
12
00
12
Time (Hours)
2023−03−27 to 2023−03−28

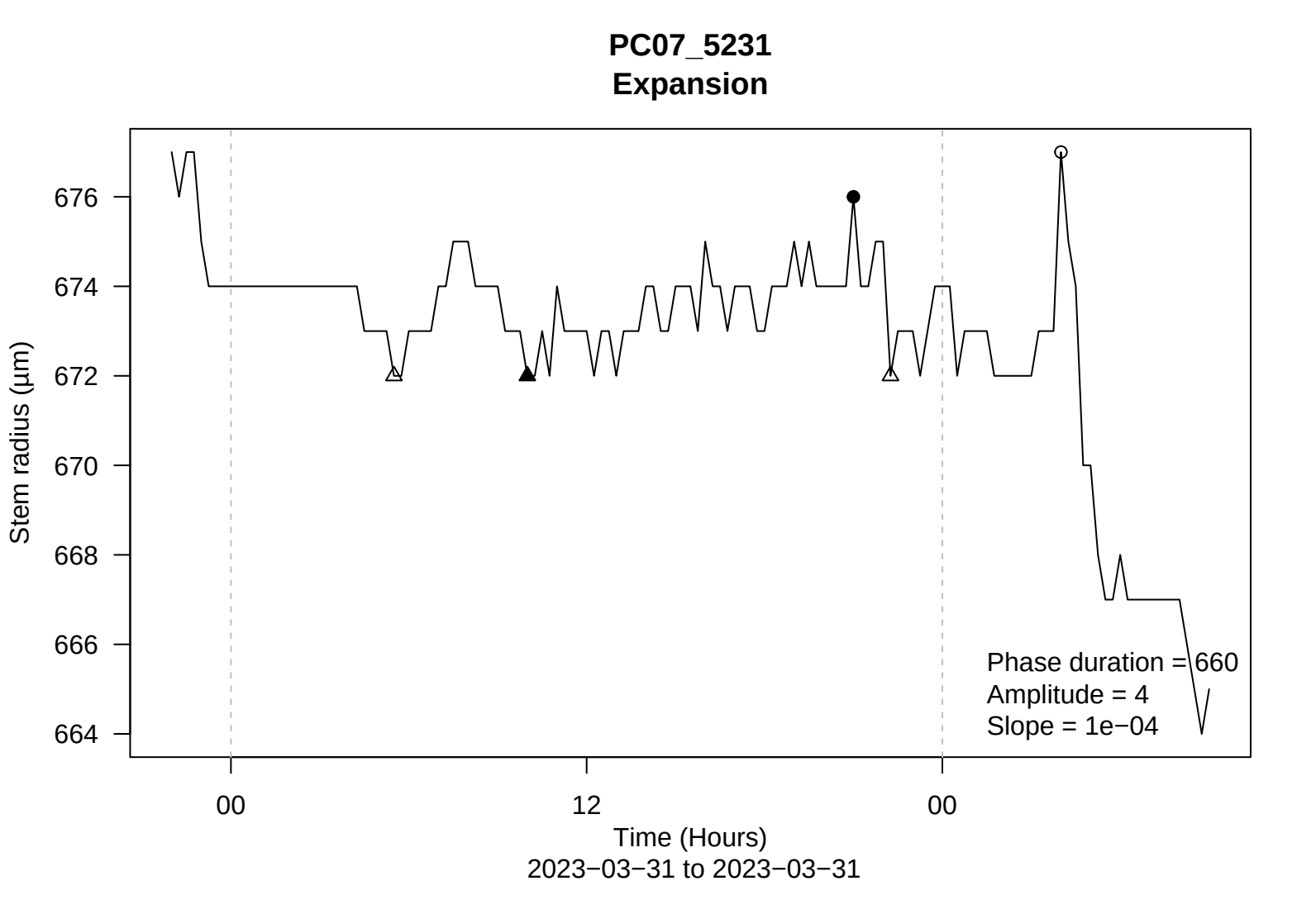

PC07_5231
Expansion
680
675
670
Stem radius (µm)
00
12
00
Time (Hours)
2023−03−28 to 2023−03−28
Phase duration = 390
Amplitude = 12
Slope = 1e−04

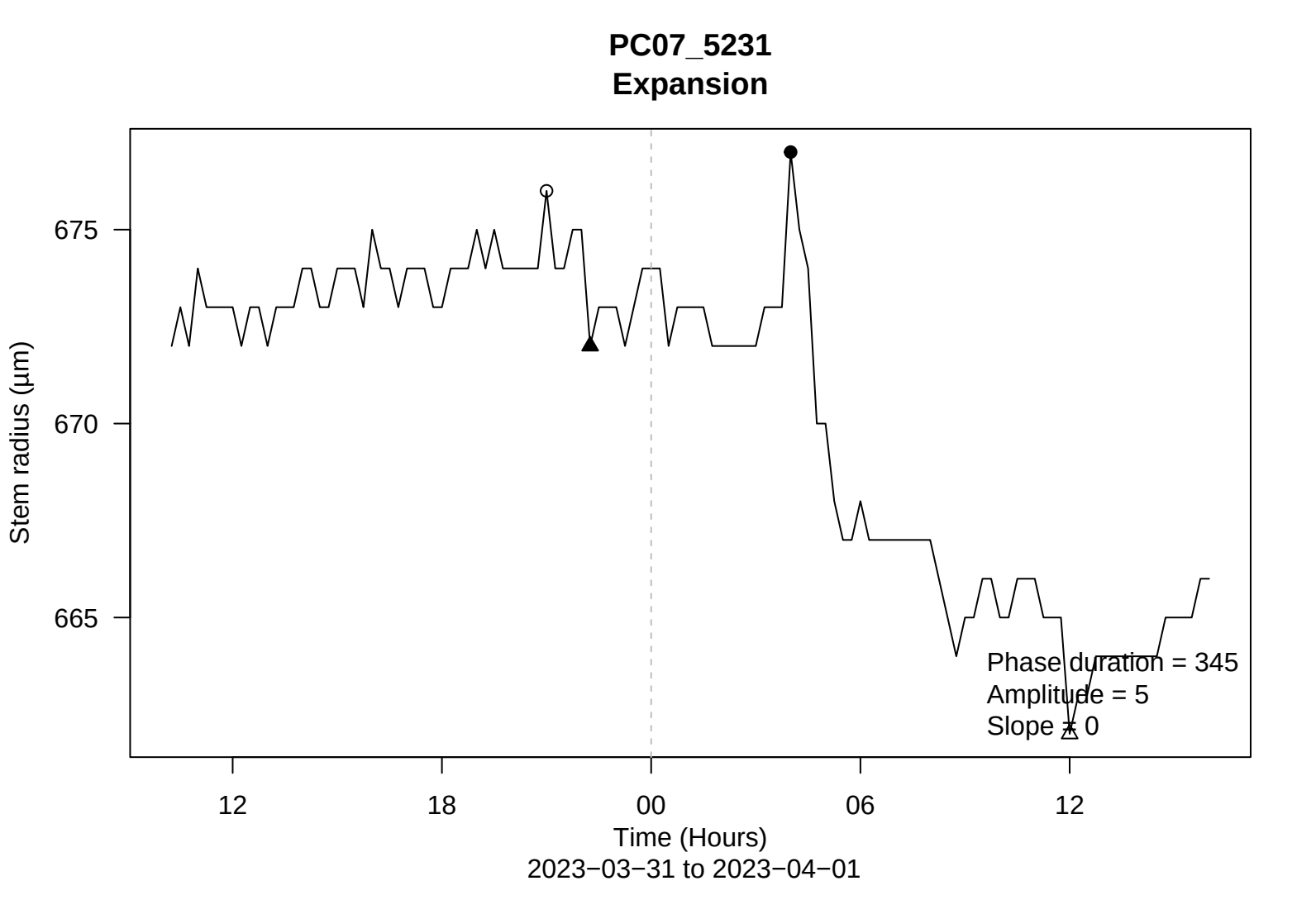

PC07_5231
Shrinkage
Stem radius (µm)
680
675
670
Phase duration = 495
Amplitude = −15
Slope = −2e−04
00
12
00
Time (Hours)
2023−03−28 to 2023−03−28

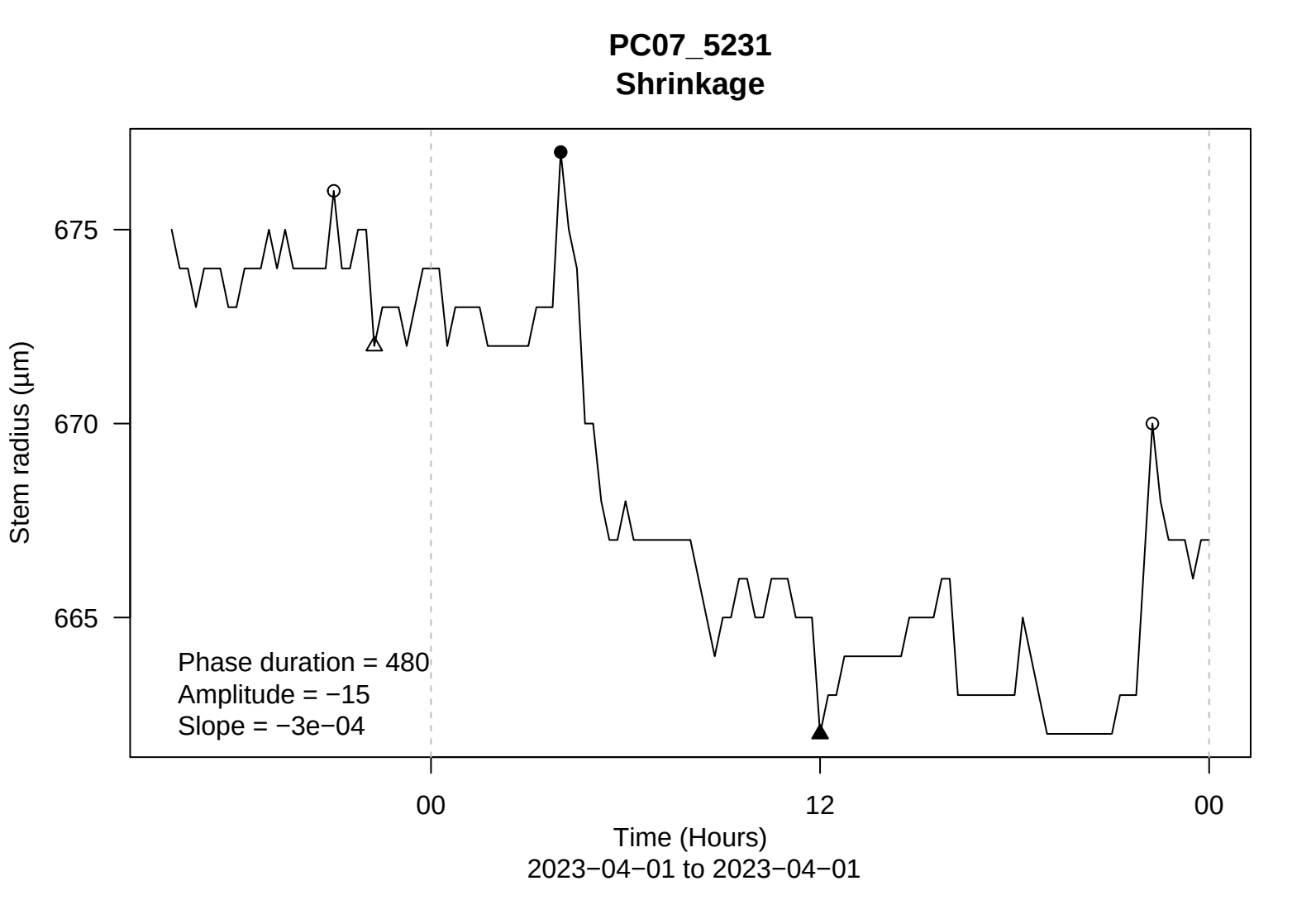

PC07_5231
Expansion
Stem radius (µm)
680
675
670
12
00
12
00
Time (Hours)
2023−03−28 to 2023−03−29
Phase duration = 1005
Amplitude = 11
Slope = 1e−04

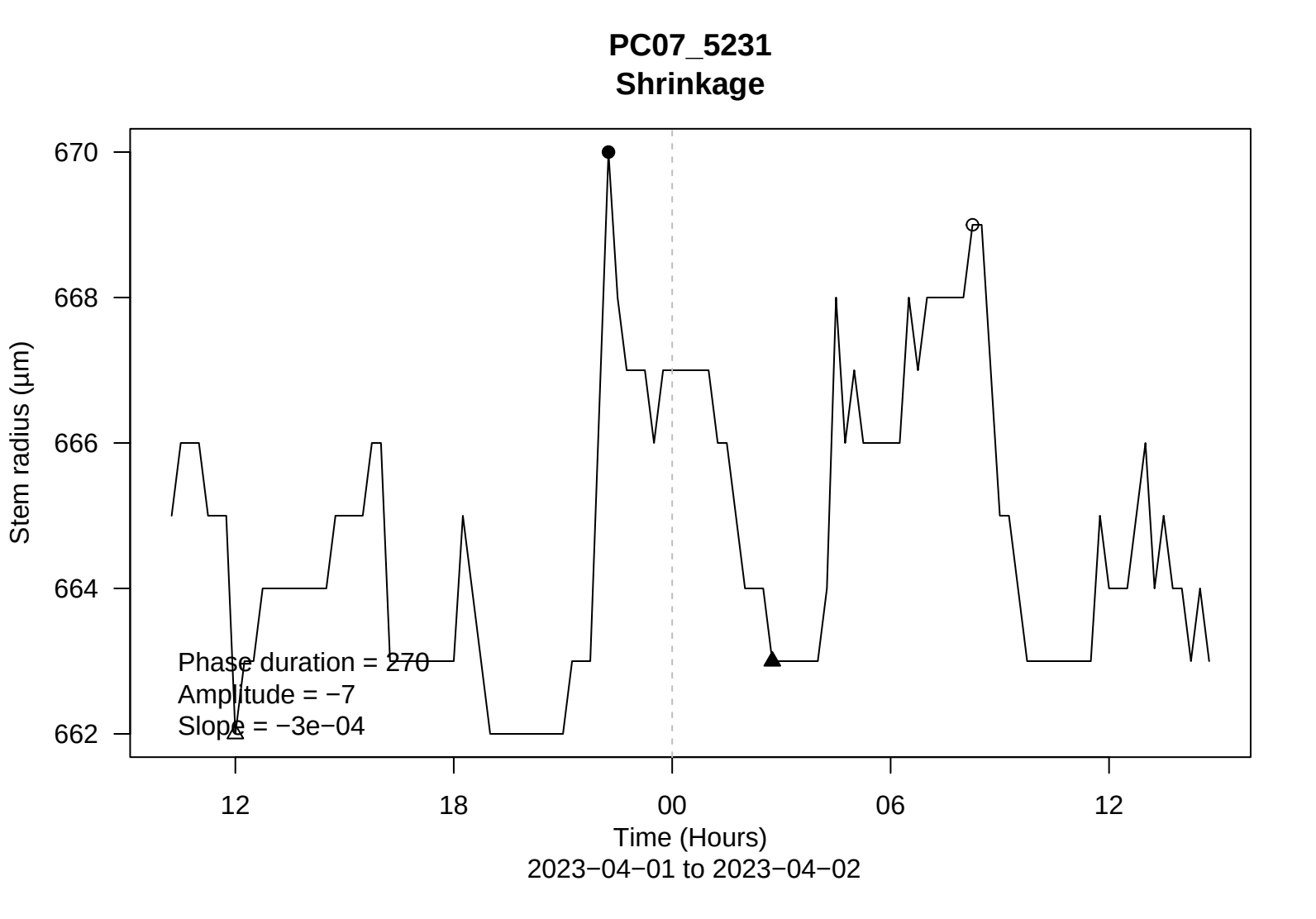

PC07_5231
Shrinkage
680
678
676
674
Stem radius (µm)
Phase duration = 360
Amplitude = −7
Slope = −1e−04
00
12
00
Time (Hours)
2023−03−29 to 2023−03−29

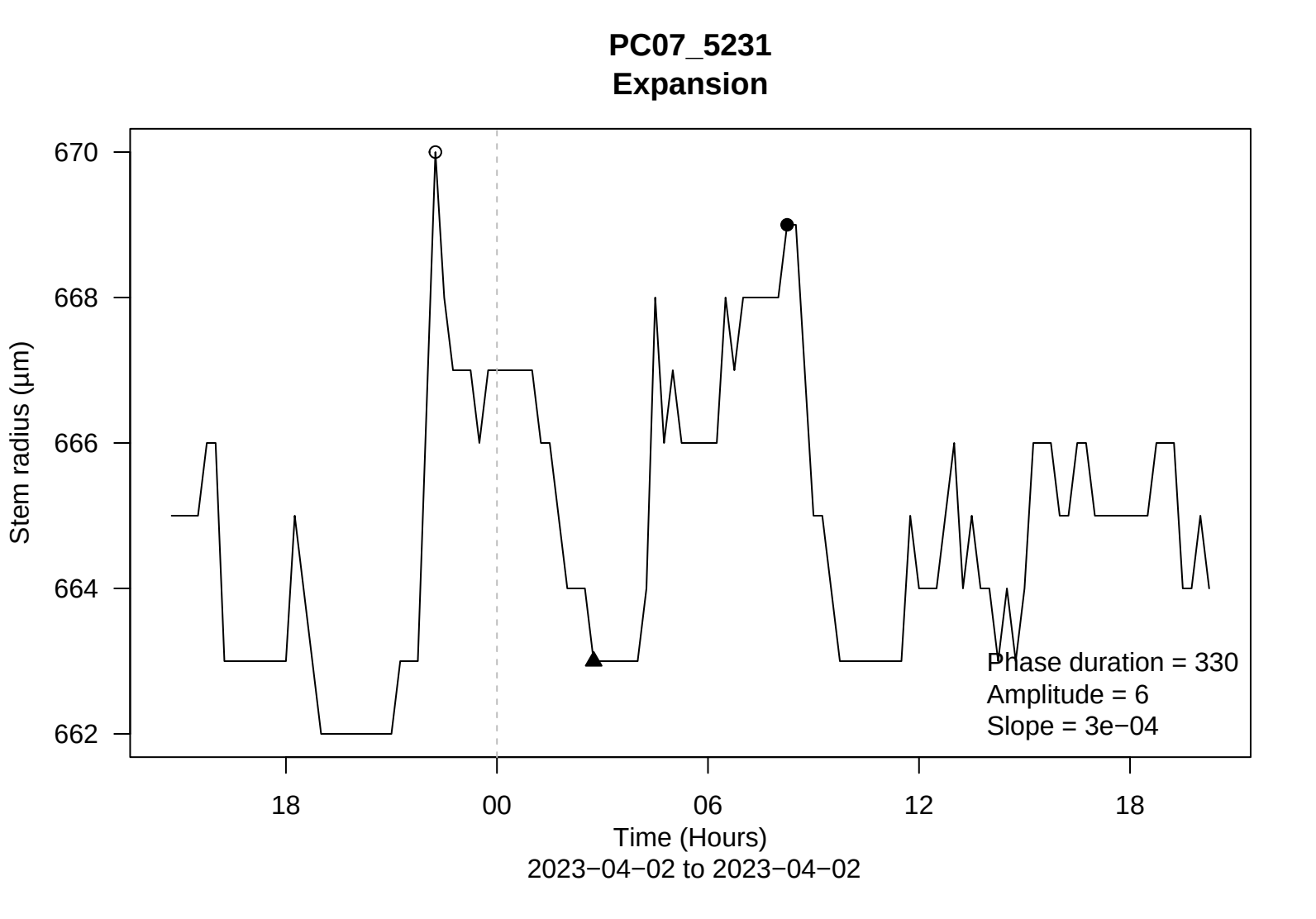

PC07_5231
Shrinkage
680
678
676
674
672
Stem radius (µm)
Phase duration = 1830
Amplitude = −9
Slope = −1e−04
12
00
12
00
12
Time (Hours)
2023−03−29 to 2023−03−31

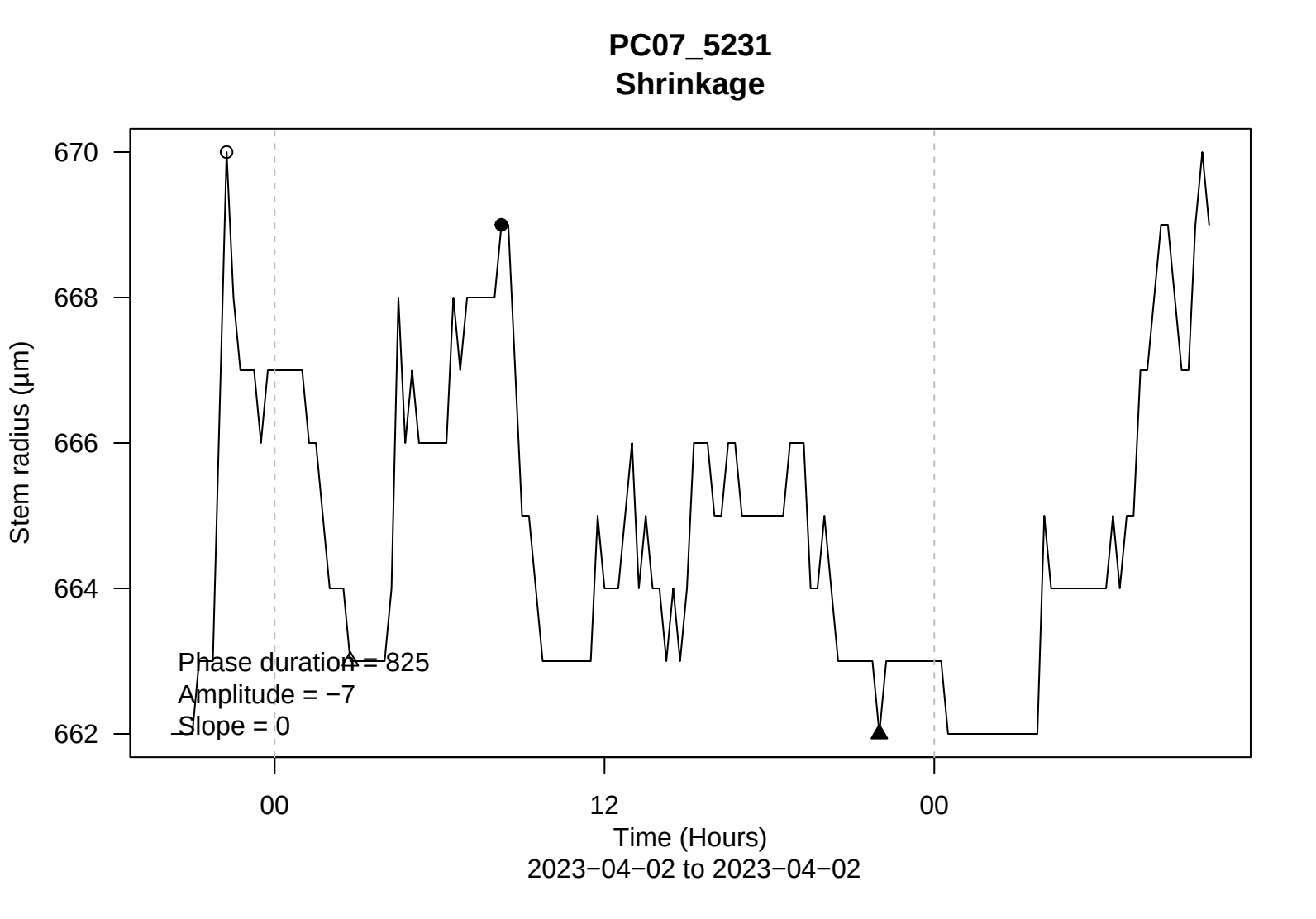

PC07_5231
Expansion
Stem radius (µm)
676
674
672
670
668
666
664
00
12
00
Time (Hours)
2023−03−31 to 2023−03−31
Phase duration = 660
Amplitude = 4
Slope = 1e−04

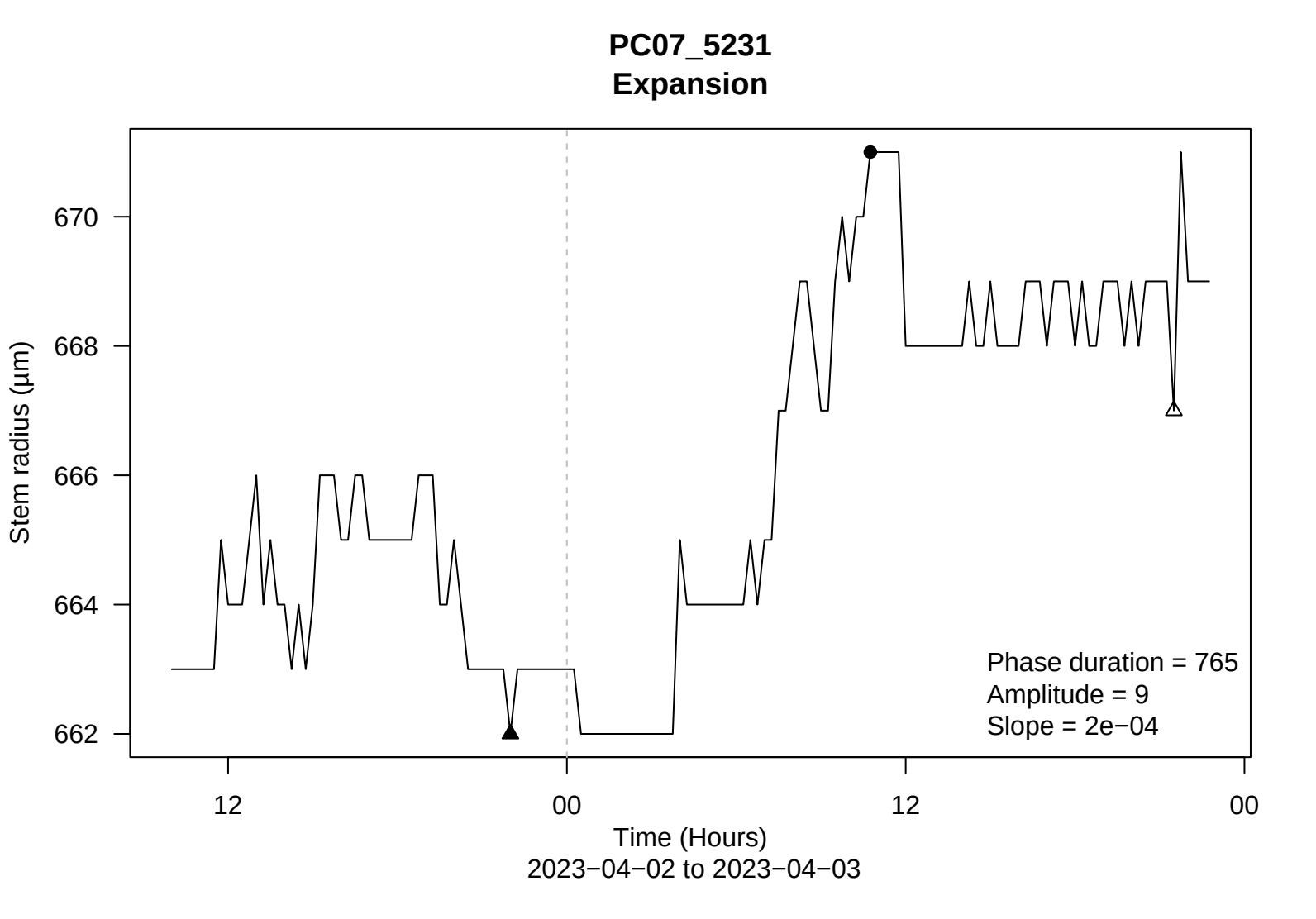

PC07_5231
Expansion
675
670
665
Stem radius (µm)
12
18
00
06
12
Time (Hours)
2023−03−31 to 2023−04−01
Phase duration = 345
Amplitude = 5
Slope ≠ 0

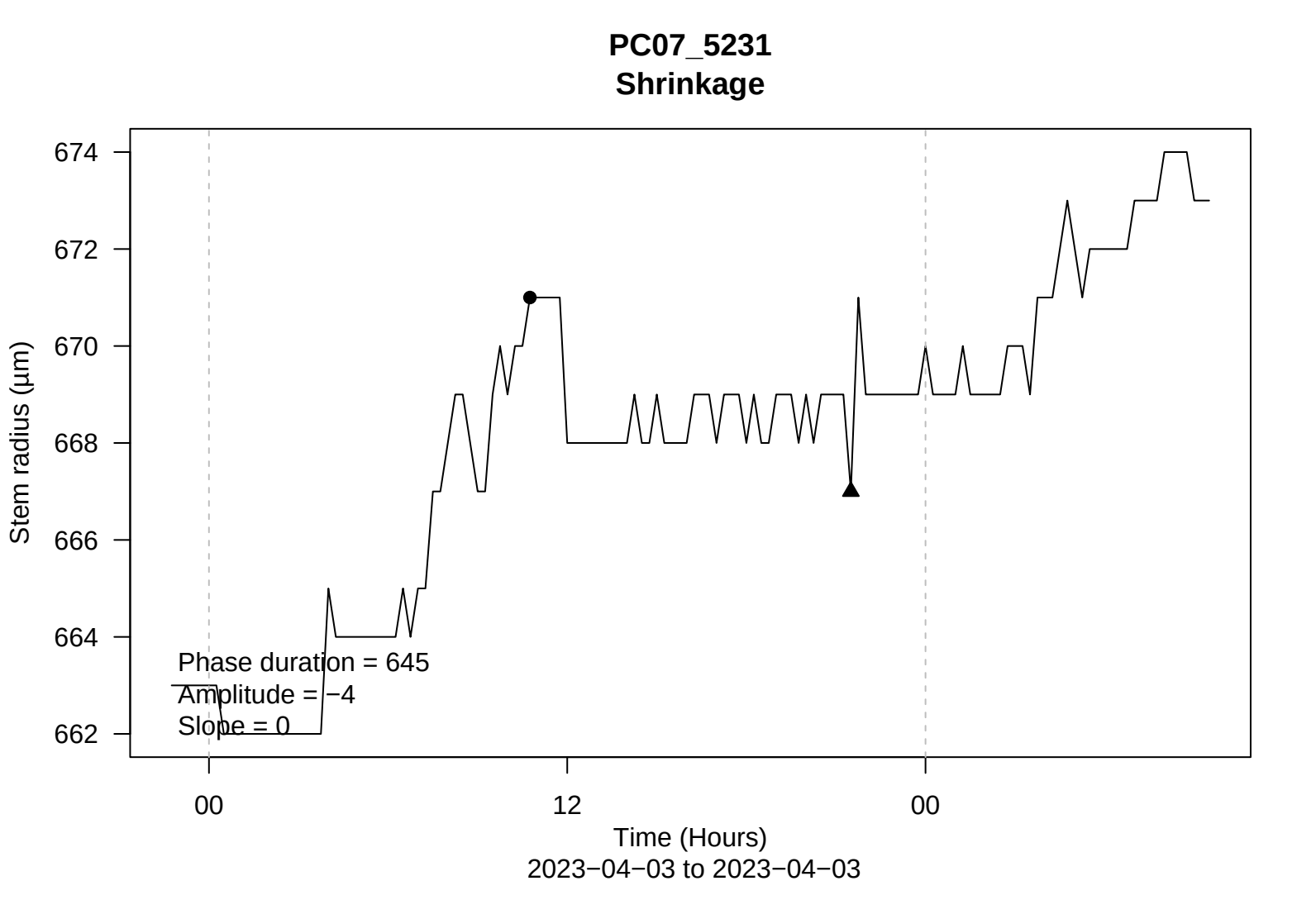

PC07_5231
Shrinkage
675
670
665
Stem radius (µm)
Phase duration = 480
Amplitude = −15
Slope = −3e−04
00
12
00
Time (Hours)
2023−04−01 to 2023−04−01

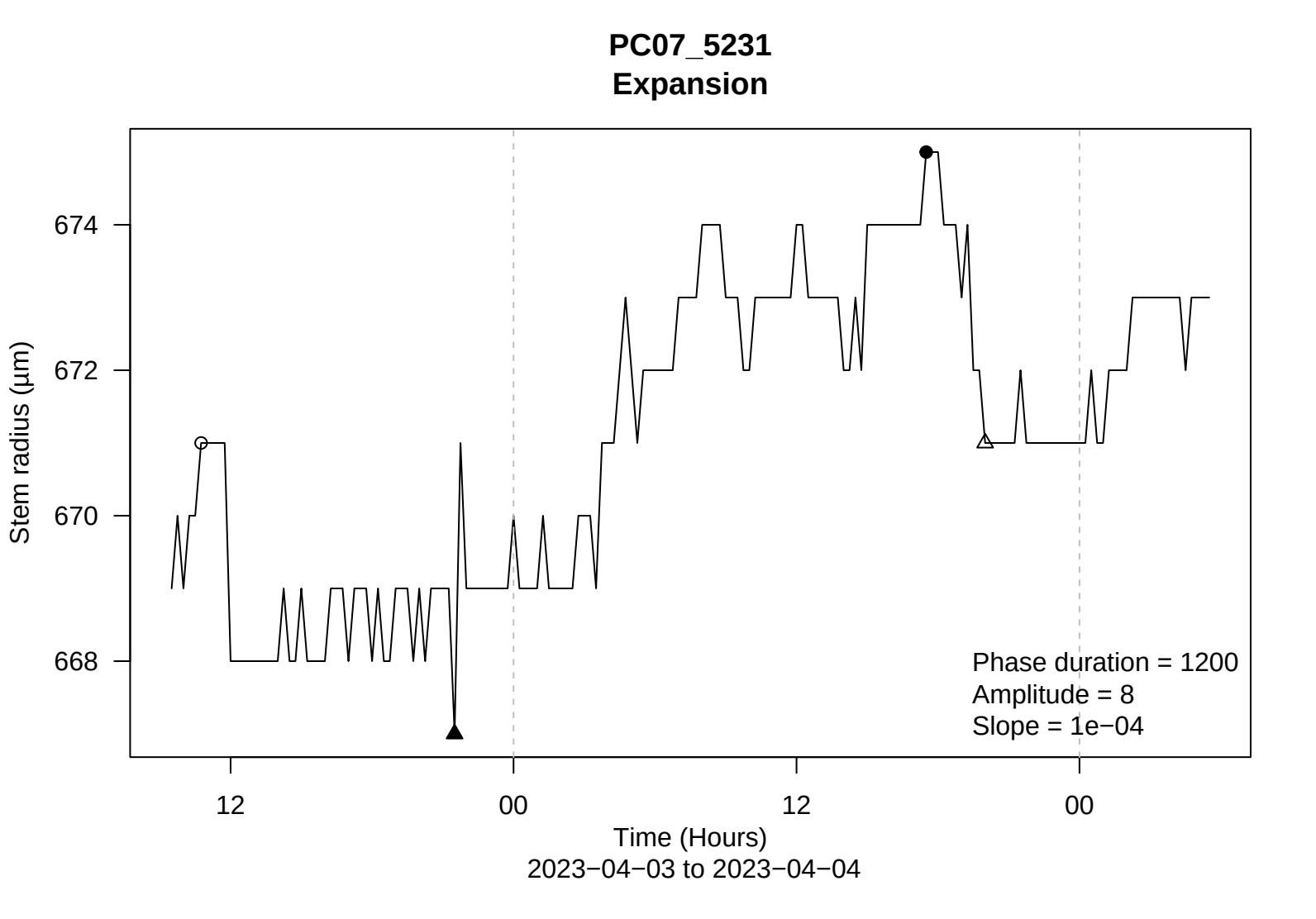

PC07_5231
Shrinkage
670
668
666
664
662
Stem radius (µm)
Phase duration = 270
Amplitude = −7
Slope = −3e−04
12
18
00
06
12
Time (Hours)
2023−04−01 to 2023−04−02

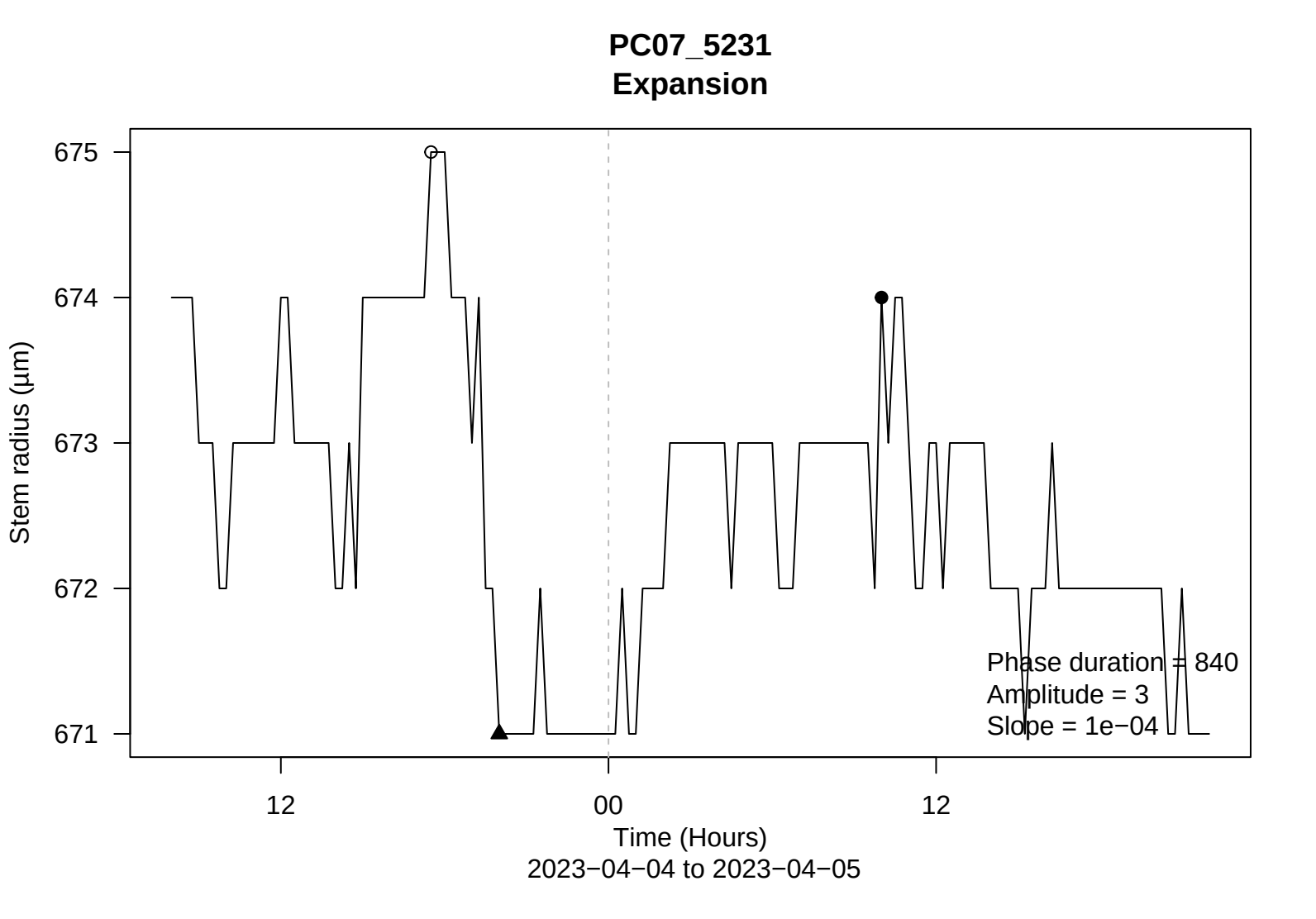

PC07_5231
Expansion
670
668
666
664
662
Stem radius (µm)
18
00
06
12
18
Time (Hours)
2023−04−02 to 2023−04−02
Phase duration = 330
Amplitude = 6
Slope = 3e−04

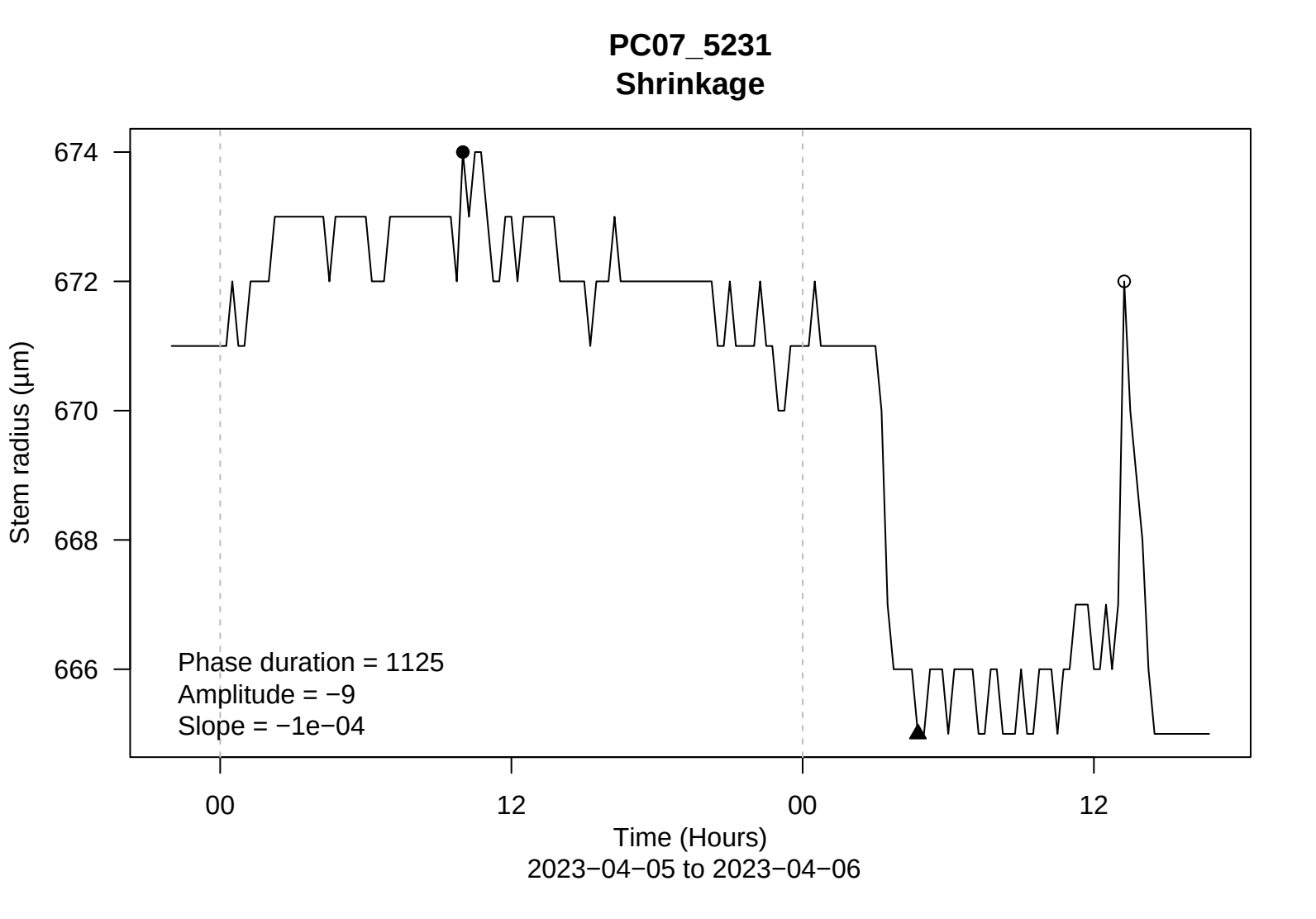

PC07_5231
Shrinkage
670
668
666
664
662
Stem radius (µm)
Phase duration = 825
Amplitude = −7
Slope = 0
00
12
00
Time (Hours)
2023−04−02 to 2023−04−02

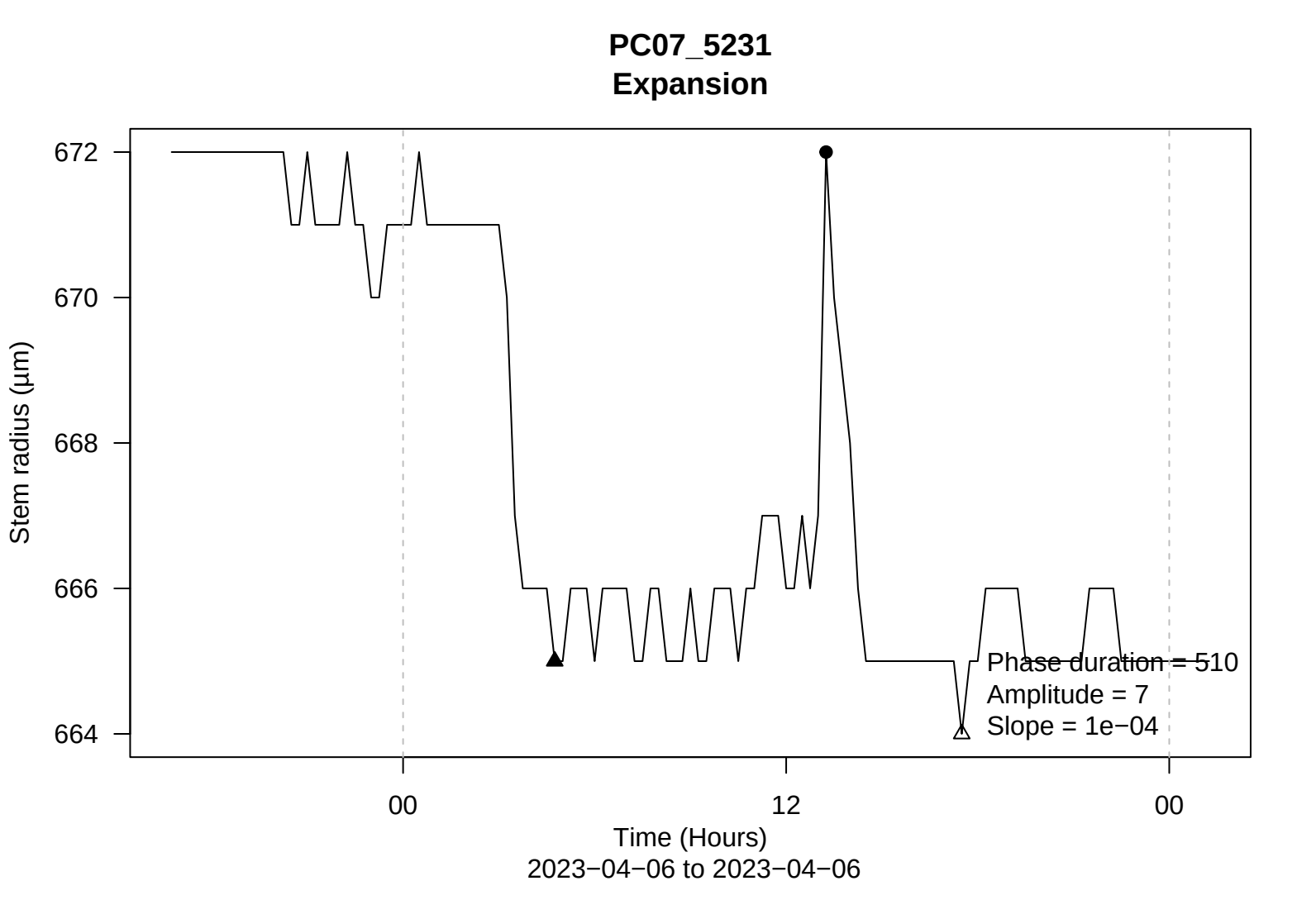

PC07_5231
Expansion
670
668
666
664
662
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−04−02 to 2023−04−03
Phase duration = 765
Amplitude = 9
Slope = 2e−04

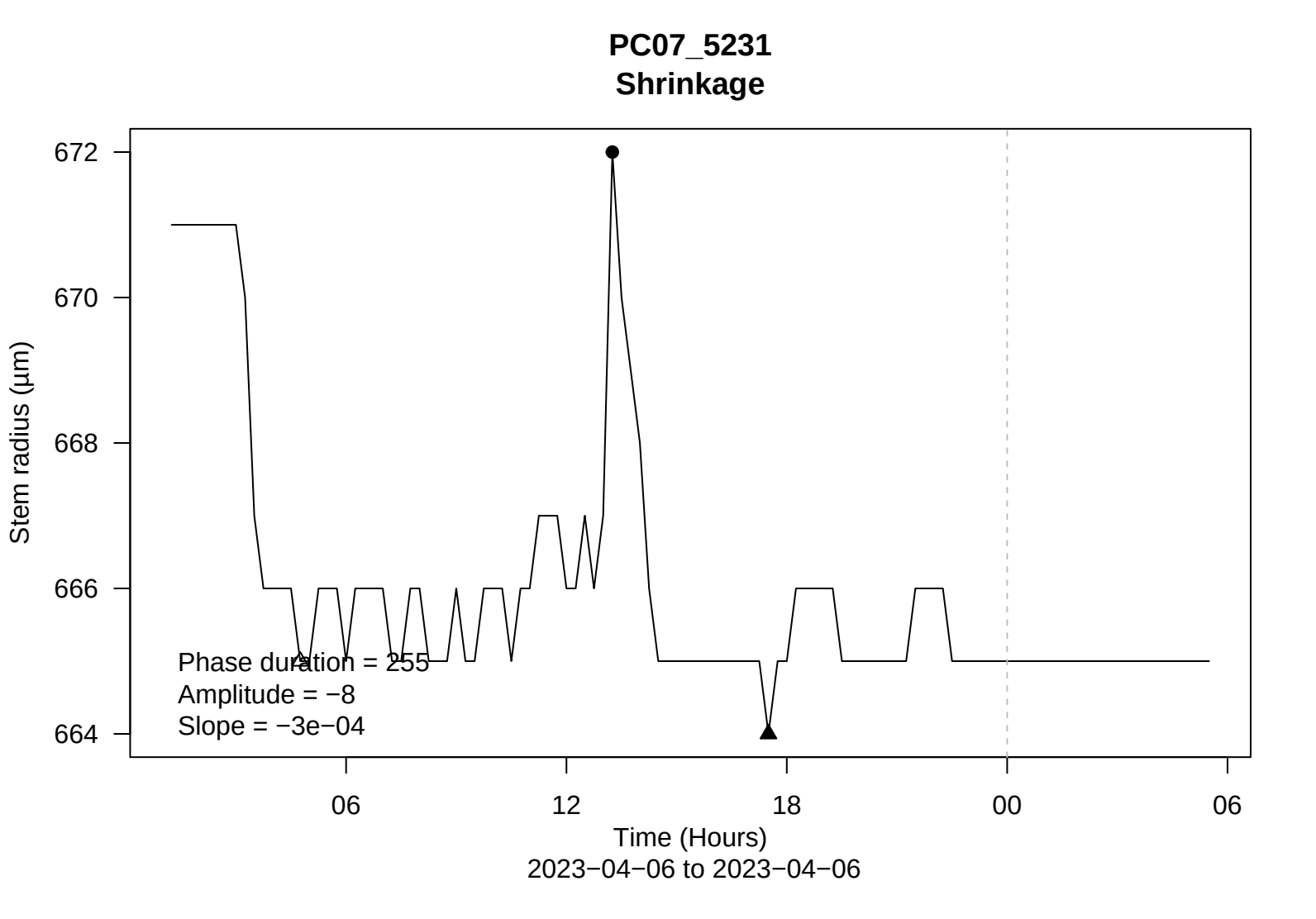

PC07_5231
Shrinkage
674
672
670
668
666
664
662
Stem radius (µm)
Phase duration = 645
Amplitude = −4
Slope = 0
00
12
00
Time (Hours)
2023−04−03 to 2023−04−03

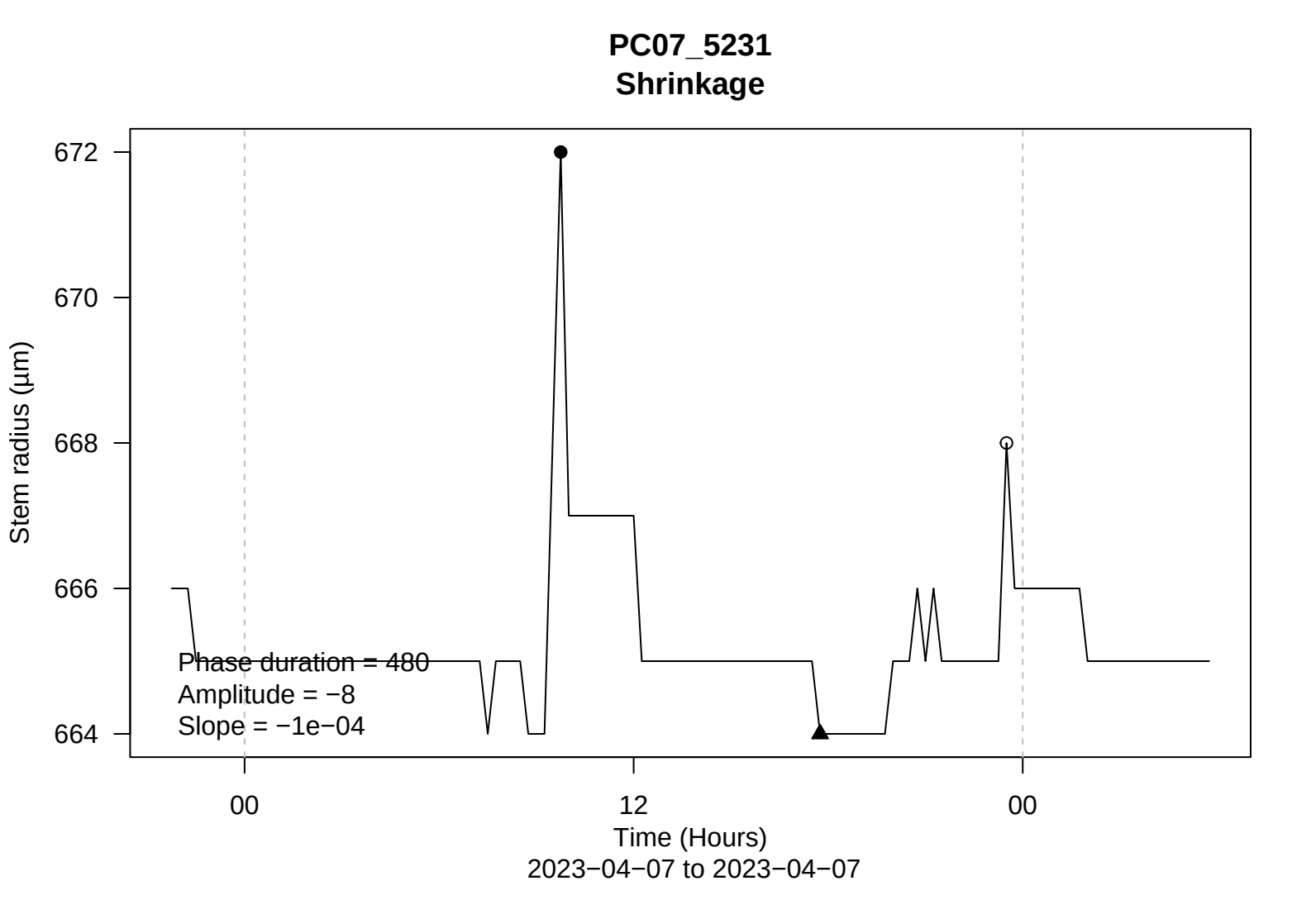

PC07_5231
Expansion
674
672
670
668
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−04−03 to 2023−04−04
Phase duration = 1200
Amplitude = 8
Slope = 1e−04

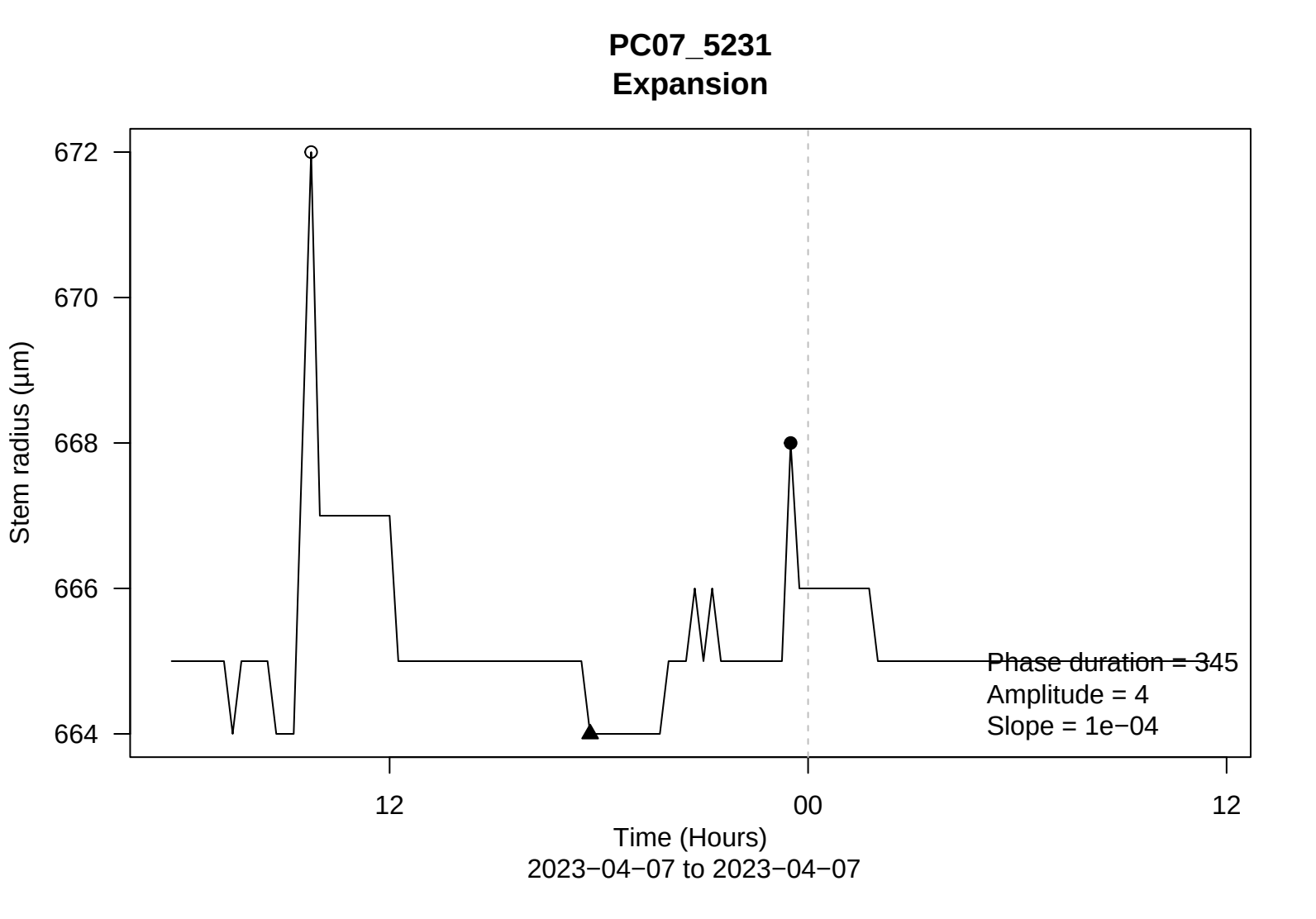

PC07_5231
Expansion
675
674
673
672
671
Stem radius (µm)
12
00
12
Time (Hours)
2023−04−04 to 2023−04−05
Phase duration = 840
Amplitude = 3
Slope = 1e−04

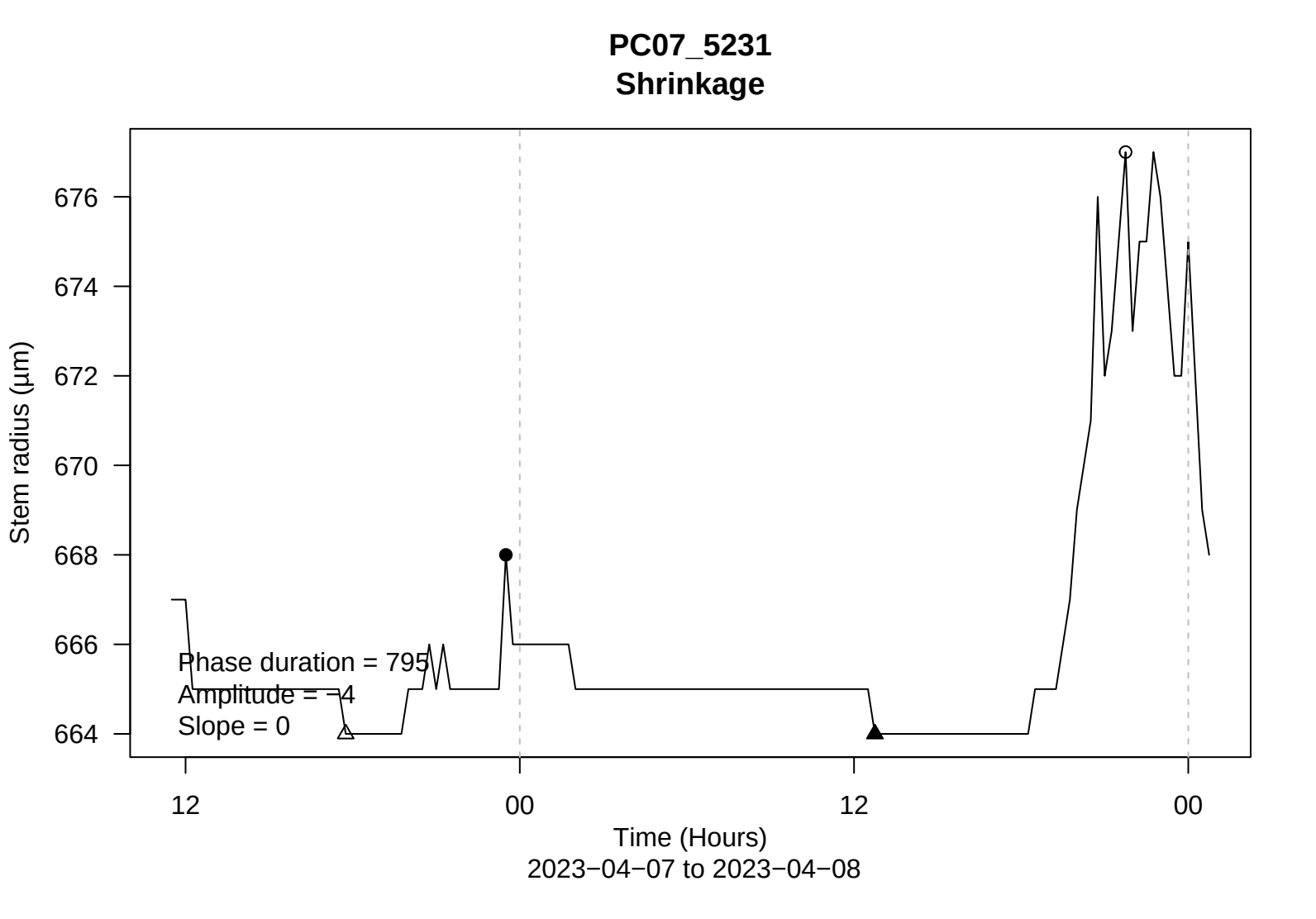

PC07_5231
Shrinkage
674
672
670
668
666
Stem radius (µm)
Phase duration = 1125
Amplitude = −9
Slope = −1e−04
00
12
00
12
Time (Hours)
2023−04−05 to 2023−04−06

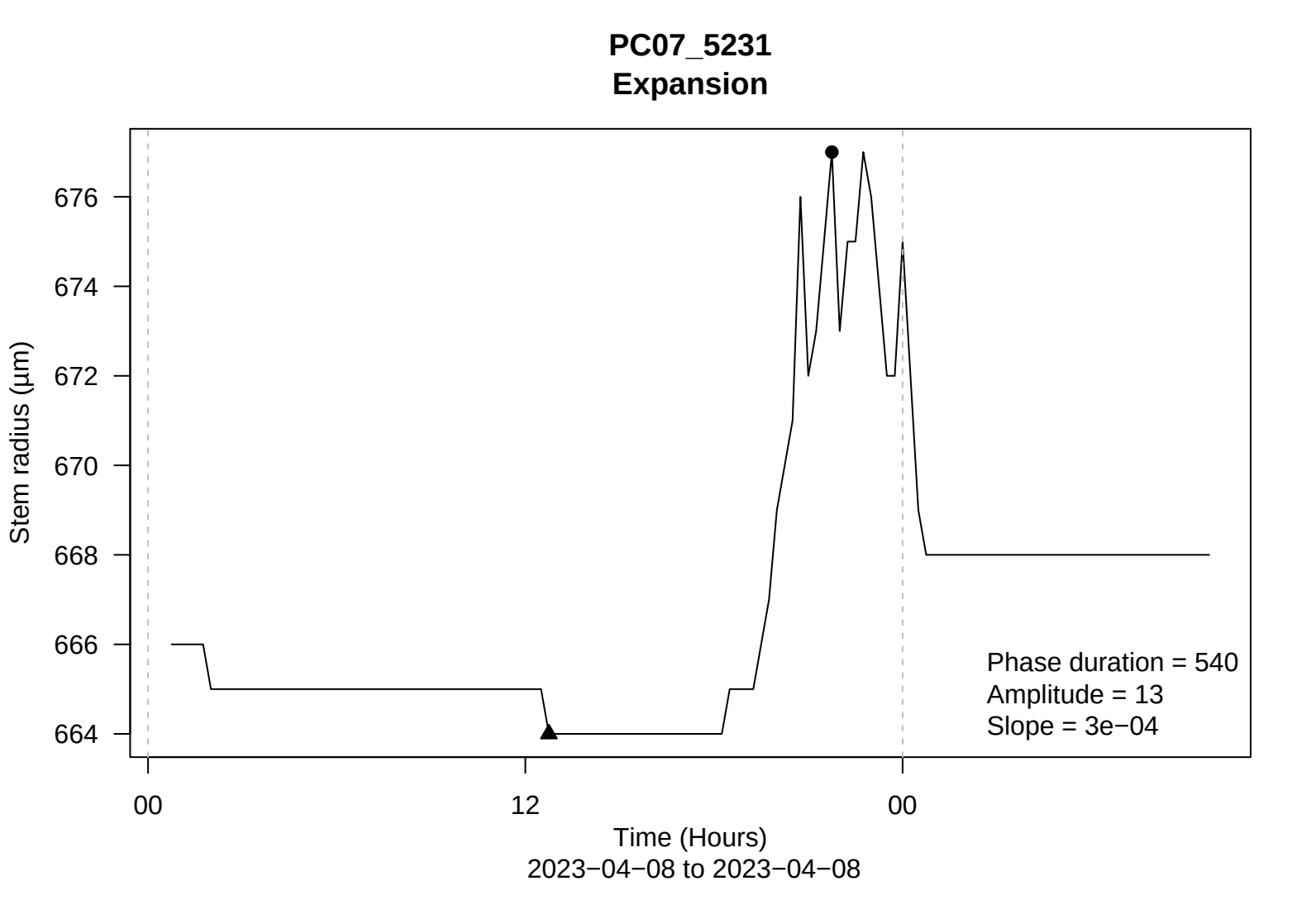

PC07_5231
Expansion
672
670
668
666
664
Stem radius (µm)
00
12
00
Time (Hours)
2023−04−06 to 2023−04−06
Phase duration = 510
Amplitude = 7
Slope = 1e−04

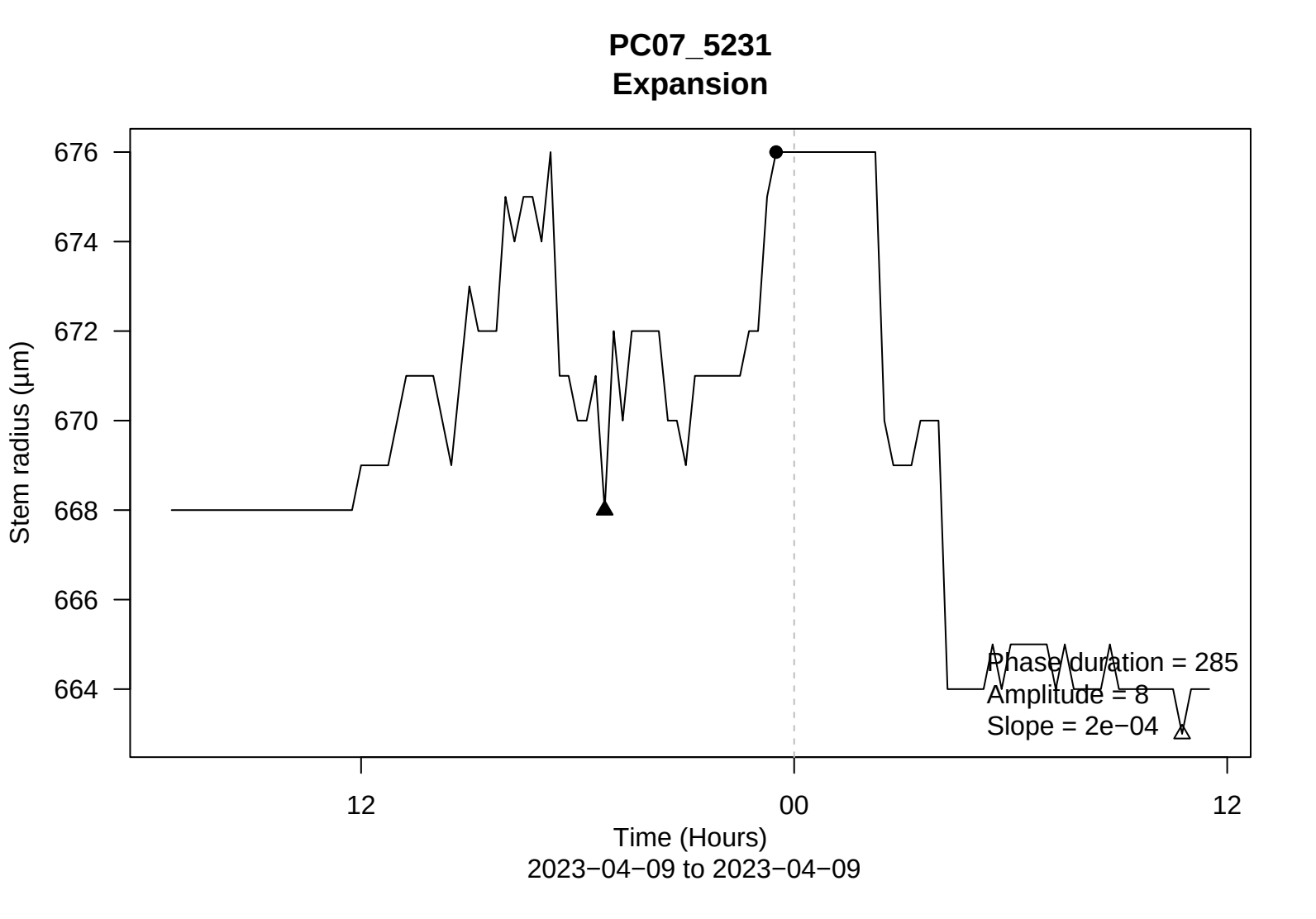

PC07_5231
Shrinkage
672
670
668
666
664
Stem radius (µm)
Phase duration = 255
Amplitude = −8
Slope = −3e−04
06
12
18
00
06
Time (Hours)
2023−04−06 to 2023−04−06

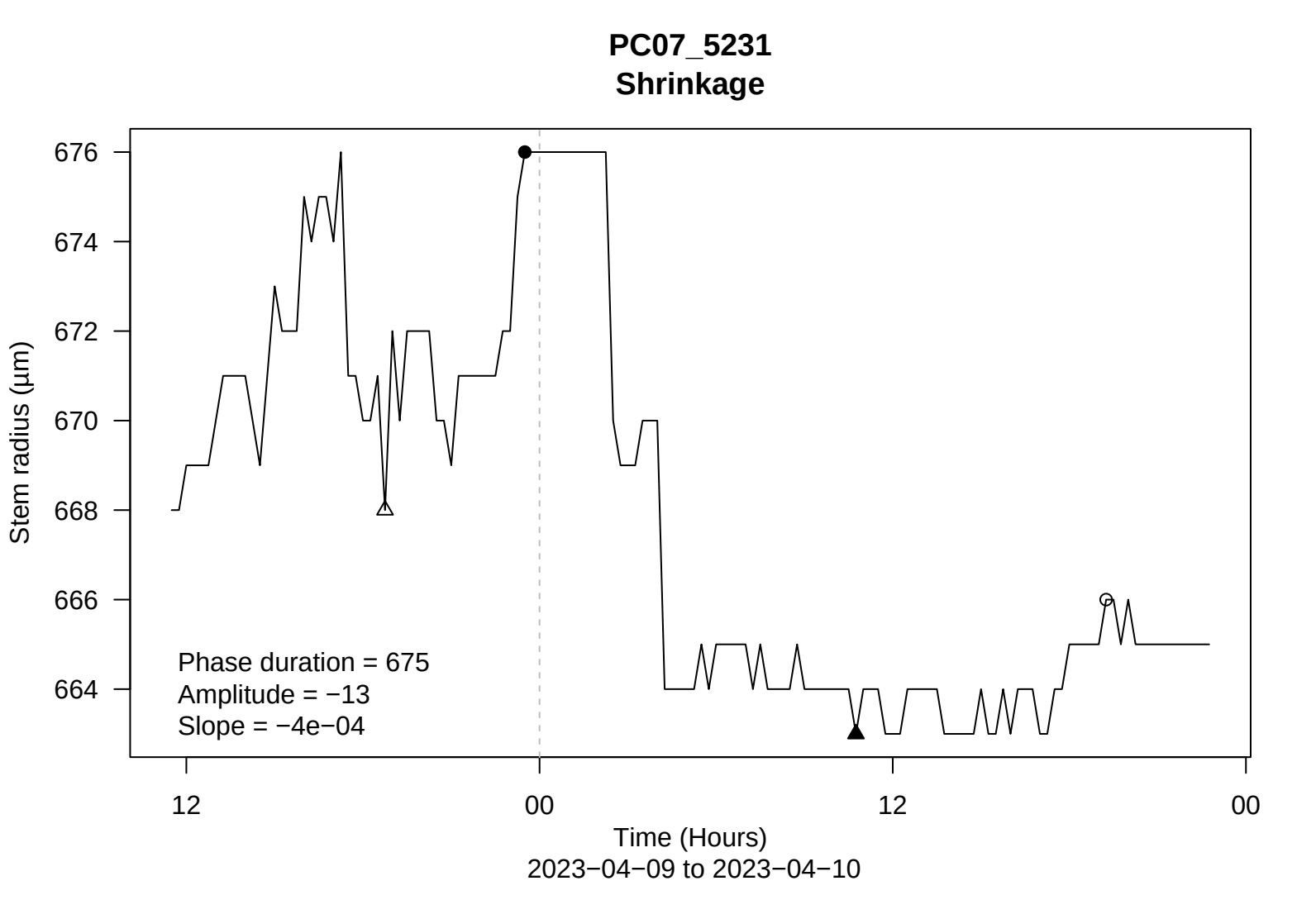

PC07_5231
Shrinkage
672
670
668
666
664
Stem radius (µm)
Phase duration = 480
Amplitude = −8
Slope = −1e−04
00
12
00
Time (Hours)
2023−04−07 to 2023−04−07

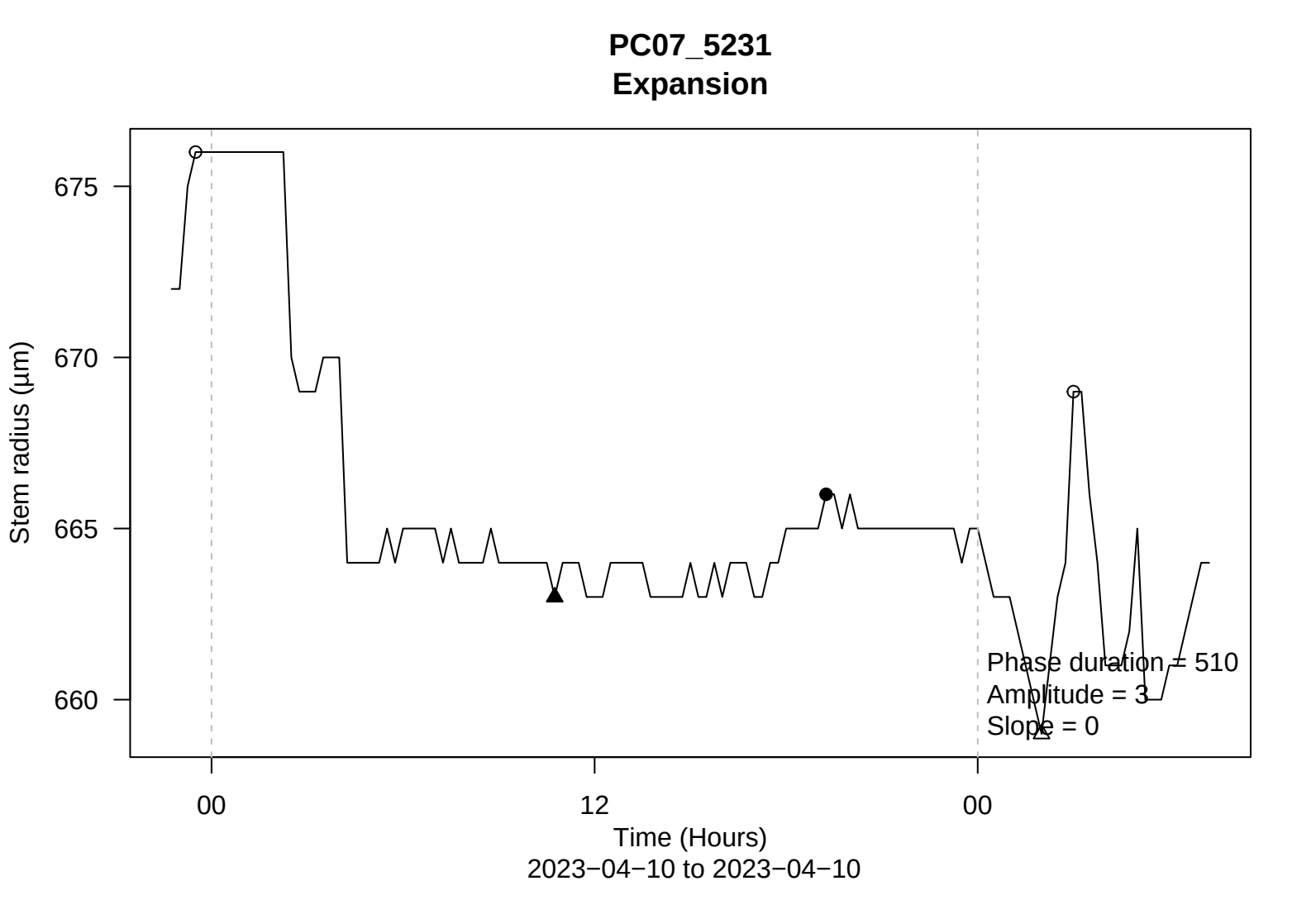

PC07_5231
Expansion
672
670
668
666
664
Stem radius (µm)
12
00
12
Time (Hours)
2023−04−07 to 2023−04−07
Phase duration = 345
Amplitude = 4
Slope = 1e−04

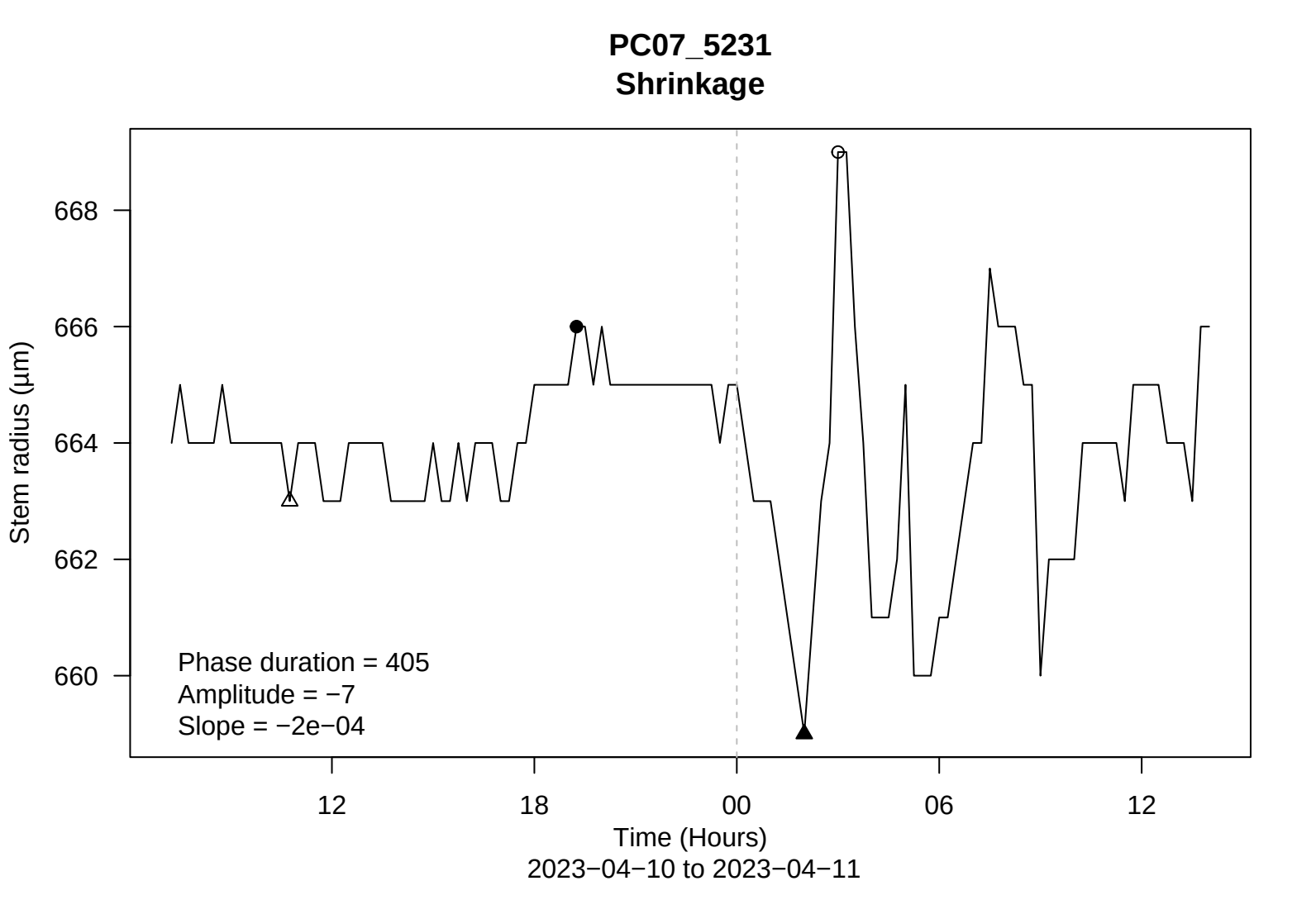

PC07_5231
Shrinkage
Stem radius (µm)
676
674
672
670
668
666
664
Phase duration = 795
Amplitude = −4
Slope = 0
12
00
12
00
Time (Hours)
2023−04−07 to 2023−04−08

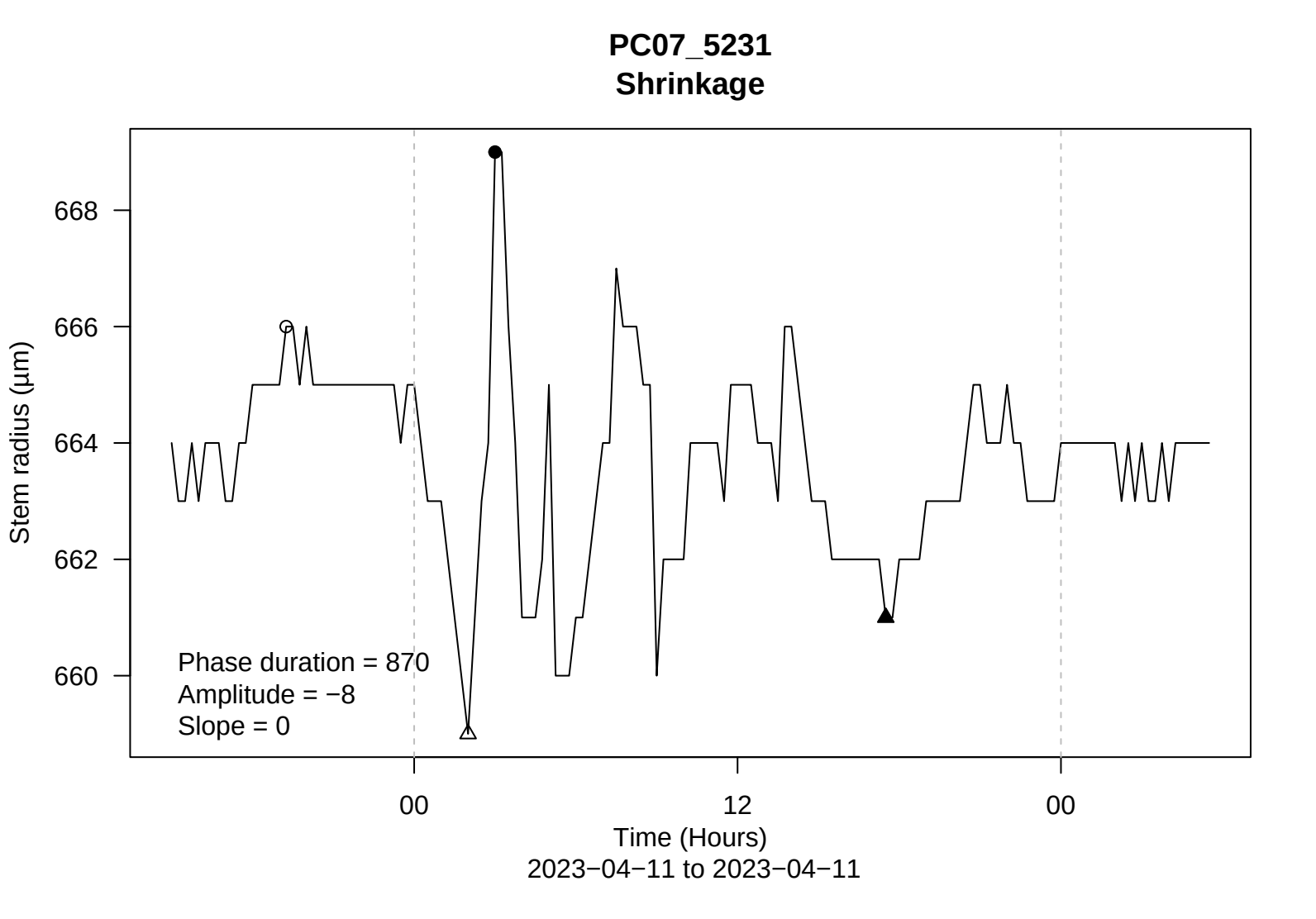

PC07_5231
Expansion
Stem radius (µm)
676
674
672
670
668
666
664
00
12
00
Time (Hours)
2023−04−08 to 2023−04−08
Phase duration = 540
Amplitude = 13
Slope = 3e−04

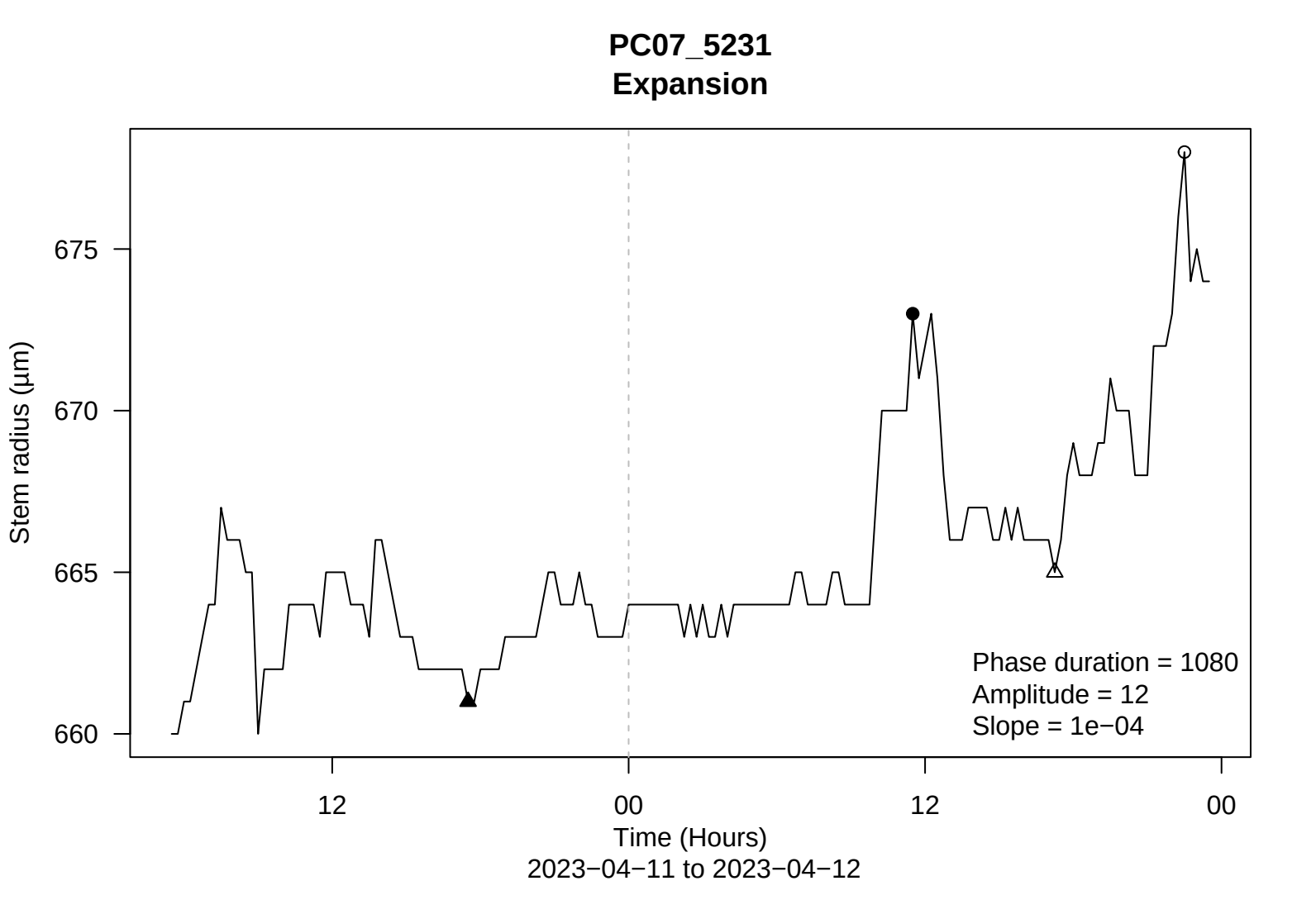

PC07_5231
Expansion
Stem radius (µm)
676
674
672
670
668
666
664
12
00
12
Time (Hours)
2023−04−09 to 2023−04−09
Phase duration = 285
Amplitude = 8
Slope = 2e−04

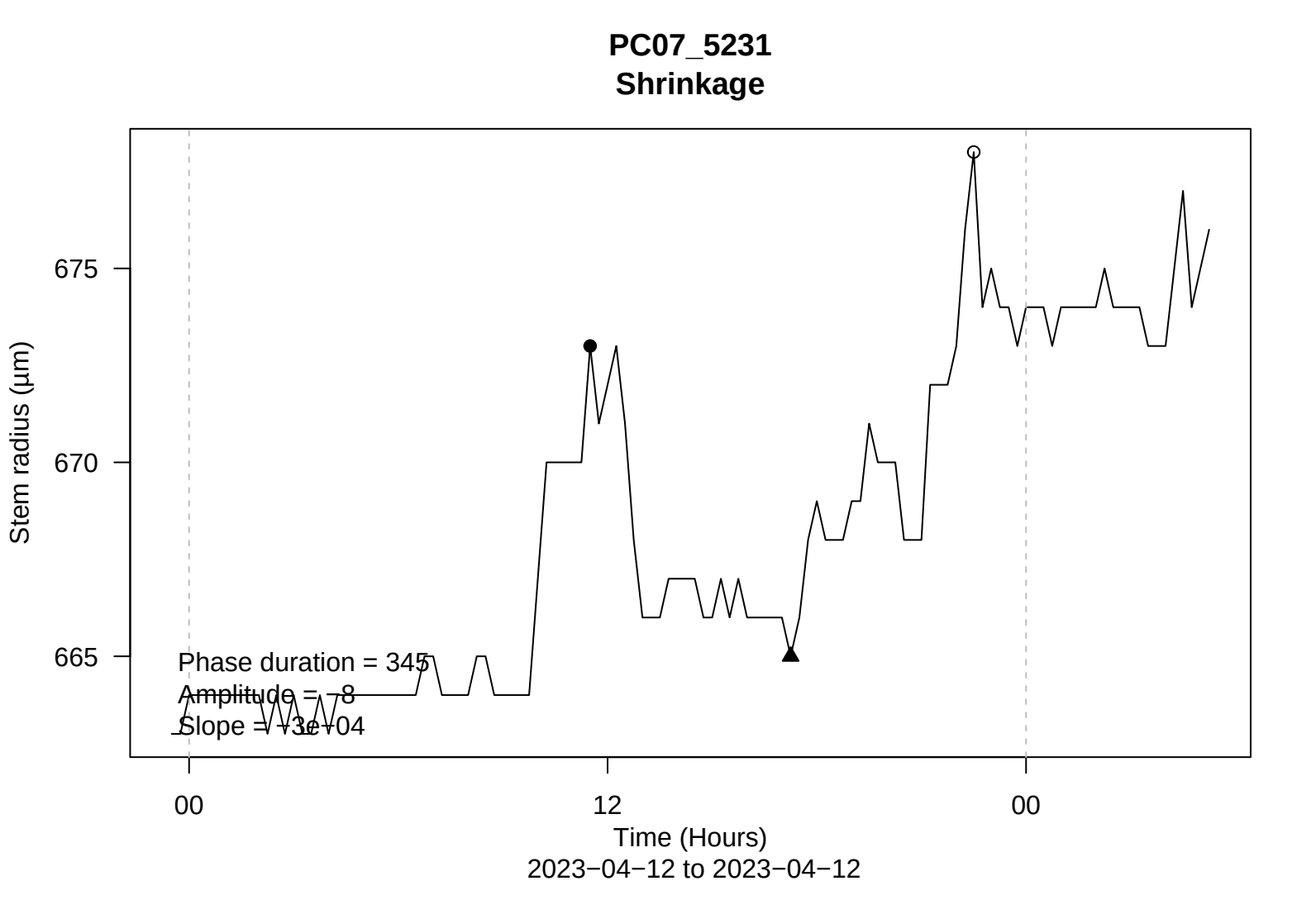

PC07_5231
Shrinkage
676
674
672
670
668
666
664
Stem radius (µm)
Phase duration = 675
Amplitude = −13
Slope = −4e−04
12
00
12
00
Time (Hours)
2023−04−09 to 2023−04−10

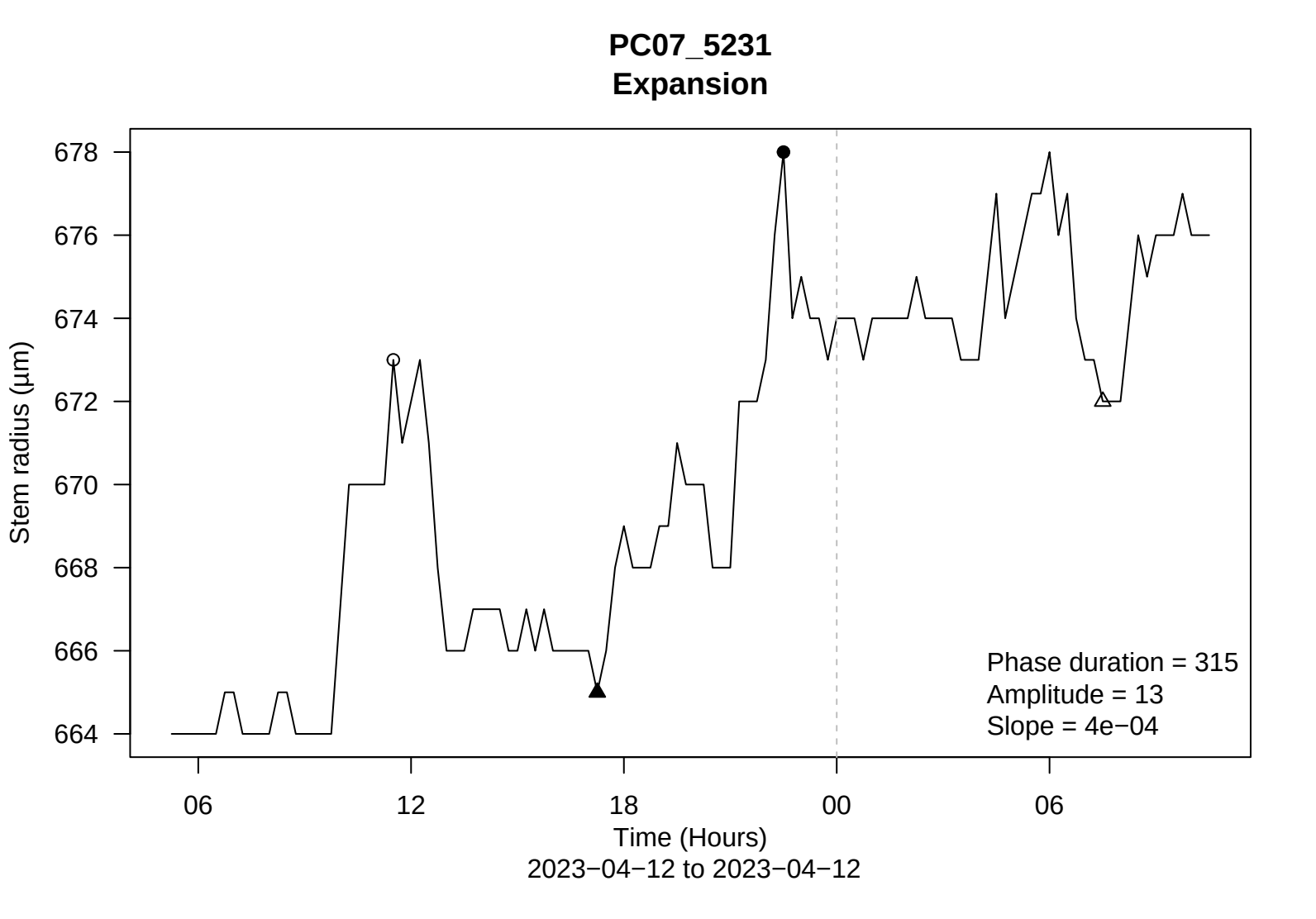

PC07_5231
Expansion
675
670
665
660
Stem radius (µm)
Phase duration = 510
Amplitude = 3
Slope = 0
00
12
00
Time (Hours)
2023−04−10 to 2023−04−10

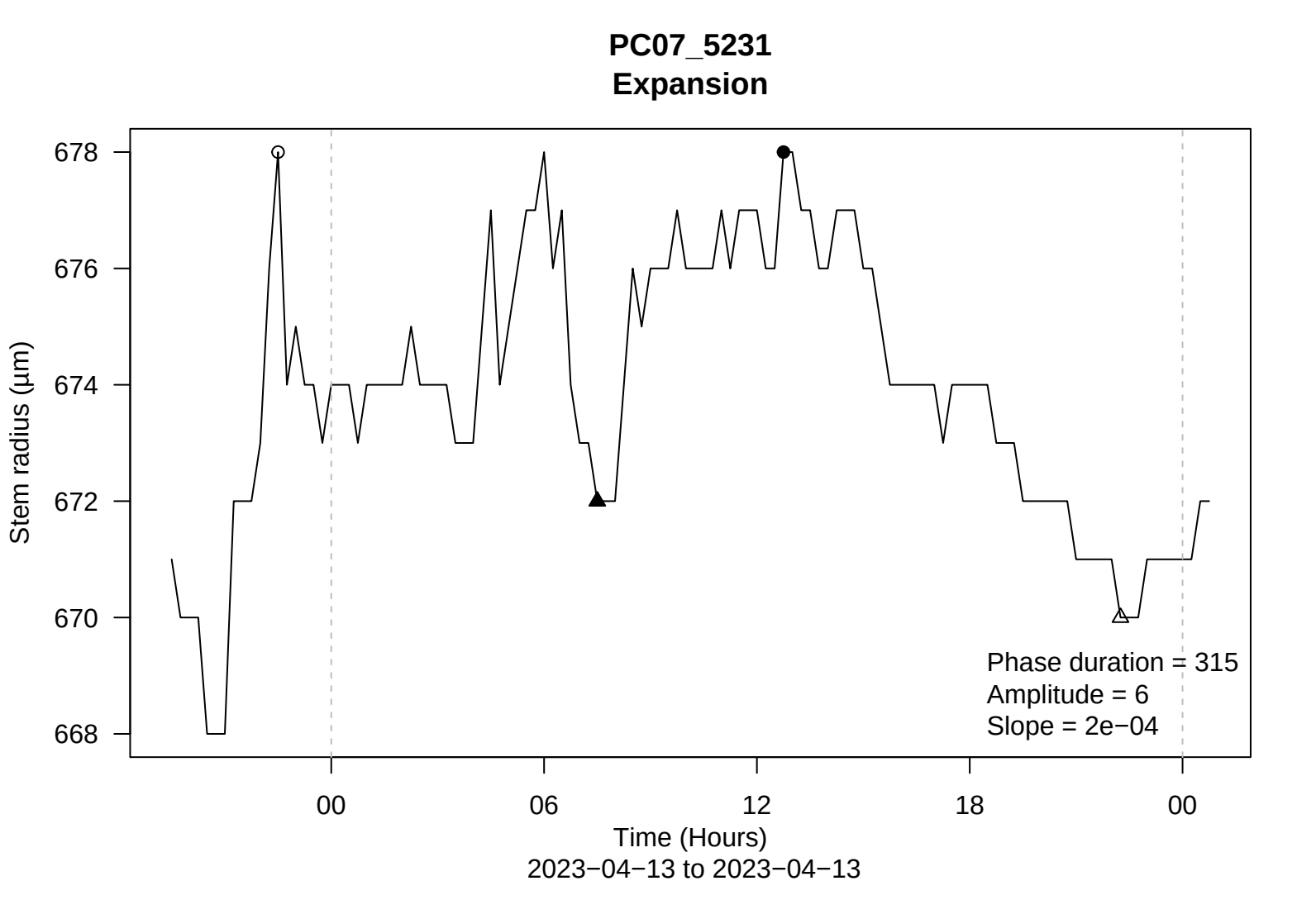

PC07_5231
Shrinkage
Stem radius (µm)
668
666
664
662
660
Phase duration = 405
Amplitude = −7
Slope = −2e−04
12
18
00
06
12
Time (Hours)
2023−04−10 to 2023−04−11

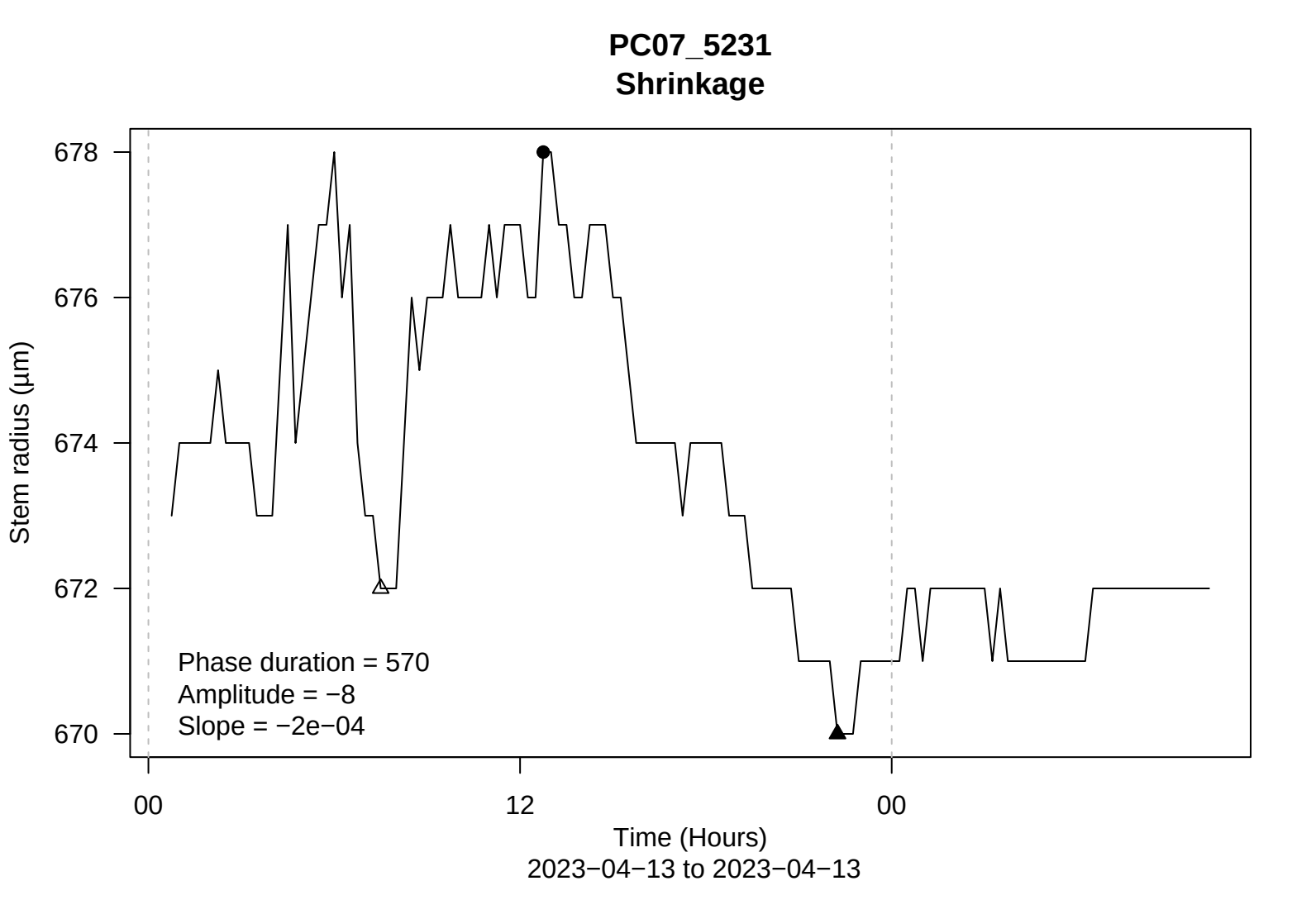

PC07_5231
Shrinkage
Stem radius (µm)
668
666
664
662
660
Phase duration = 870
Amplitude = −8
Slope = 0
00
12
00
Time (Hours)
2023−04−11 to 2023−04−11

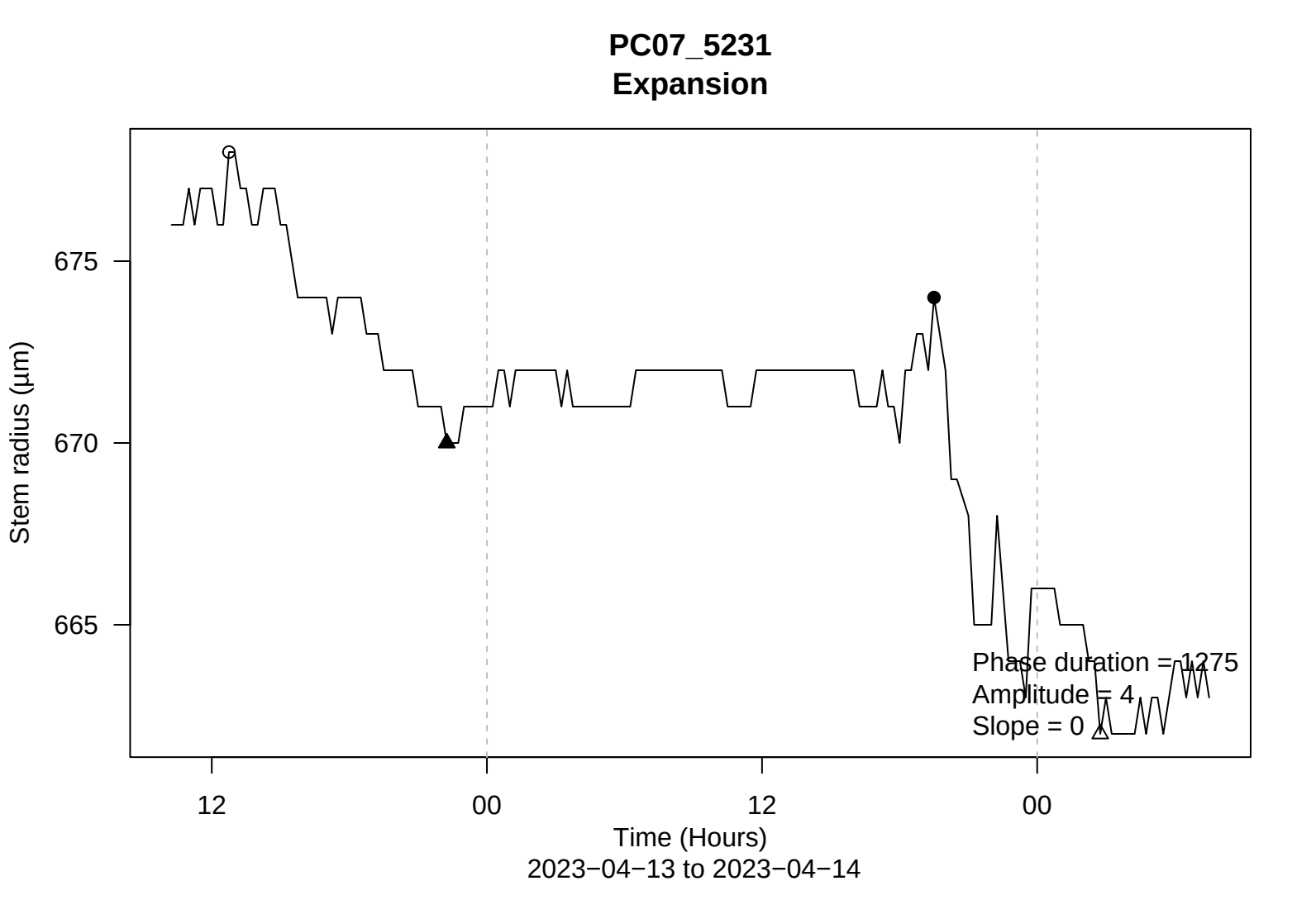

PC07_5231
Expansion
675
670
665
660
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−04−11 to 2023−04−12
Phase duration = 1080
Amplitude = 12
Slope = 1e−04

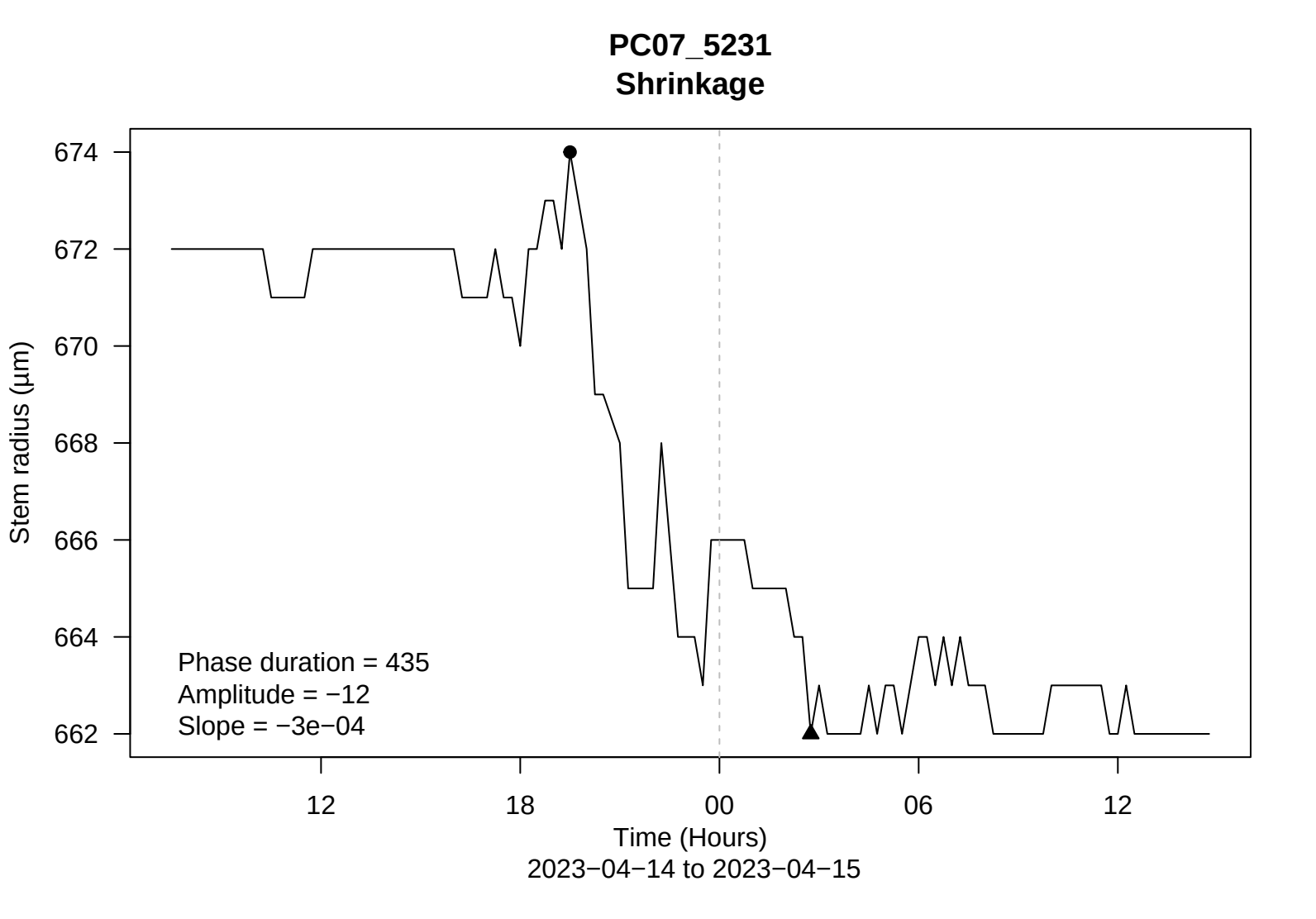

PC07_5231
Shrinkage
675
670
665
Stem radius (µm)
Phase duration = 345
Amplitude = −8
Slope = −3e−04
00
12
00
Time (Hours)
2023−04−12 to 2023−04−12

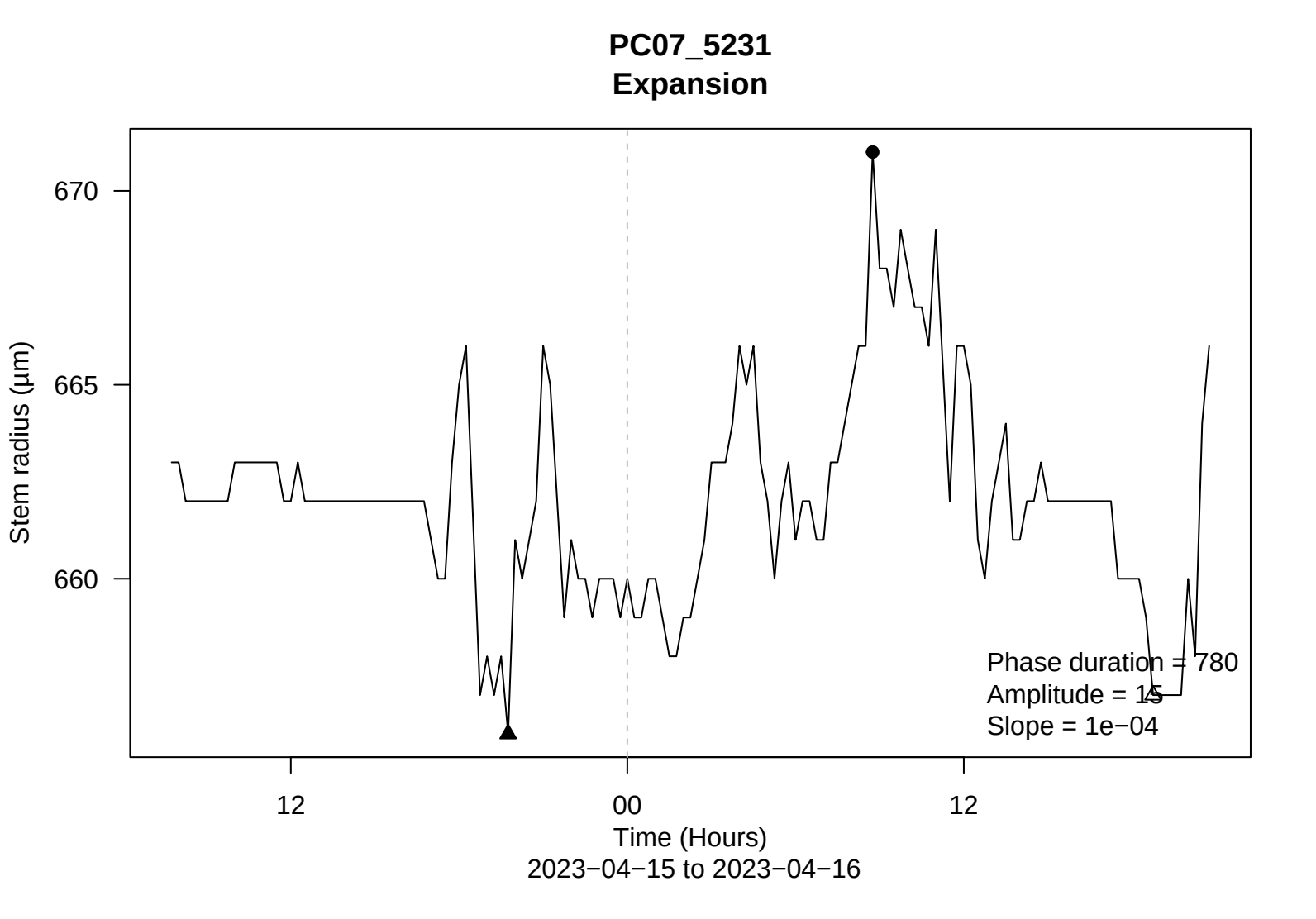

PC07_5231
Expansion
678
676
674
672
670
668
666
664
Stem radius (µm)
06
12
18
00
06
Time (Hours)
2023−04−12 to 2023−04−12
Phase duration = 315
Amplitude = 13
Slope = 4e−04

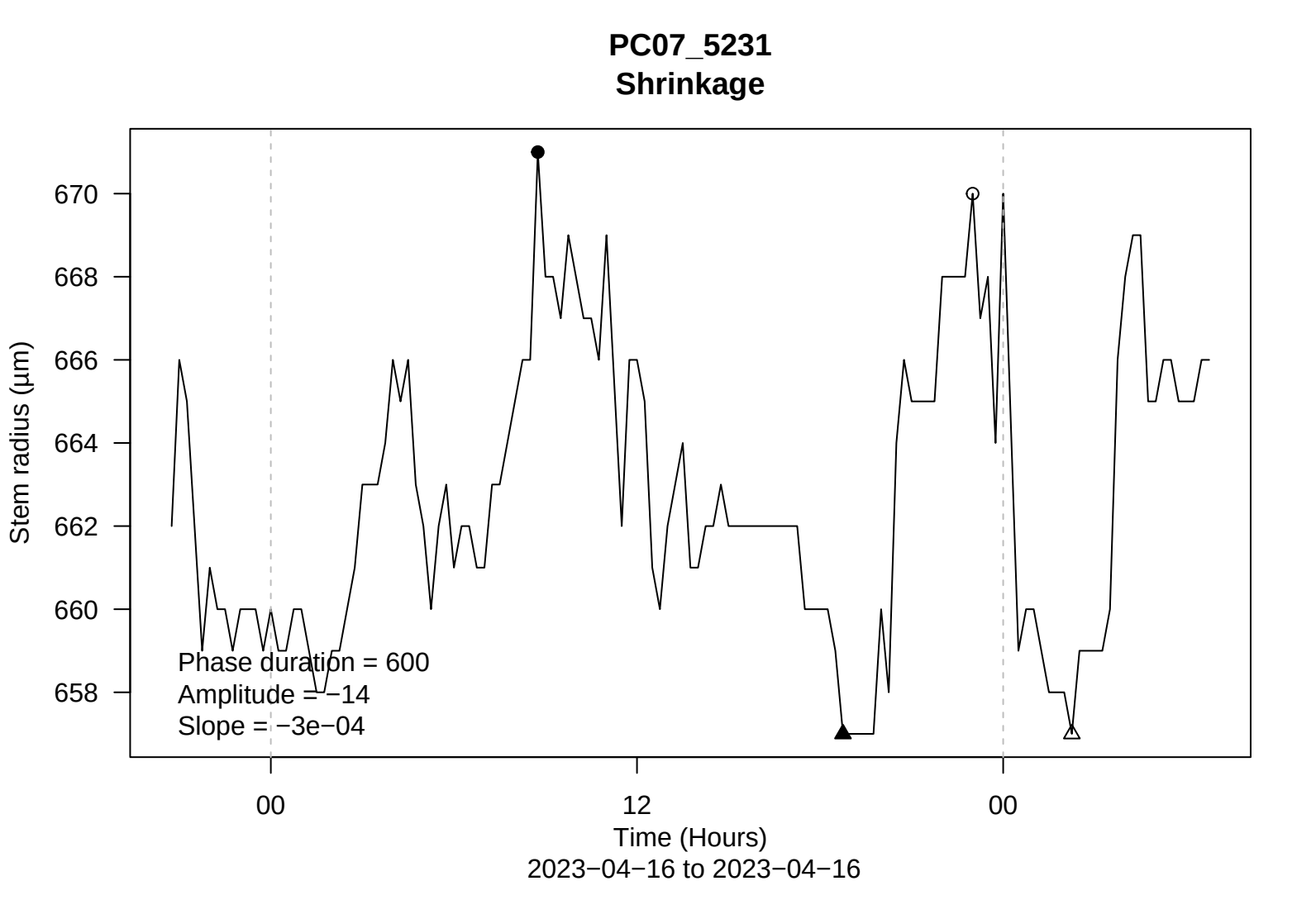

PC07_5231
Expansion
678
676
674
672
670
668
Stem radius (µm)
00
06
12
18
00
Time (Hours)
2023−04−13 to 2023−04−13
Phase duration = 315
Amplitude = 6
Slope = 2e−04

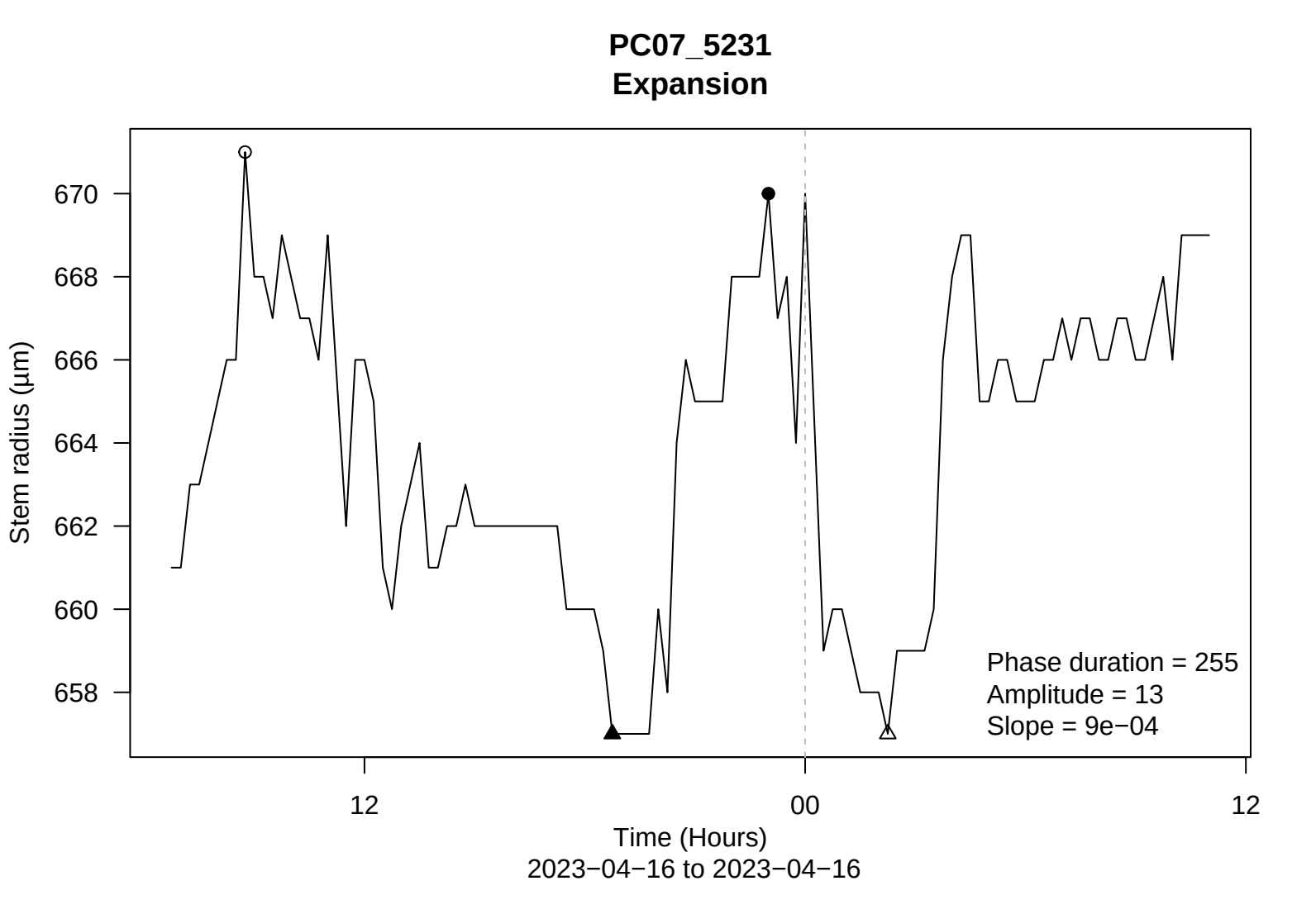

PC07_5231
Shrinkage
678
676
674
672
670
Stem radius (µm)
Phase duration = 570
Amplitude = −8
Slope = −2e−04
00
12
00
Time (Hours)
2023−04−13 to 2023−04−13

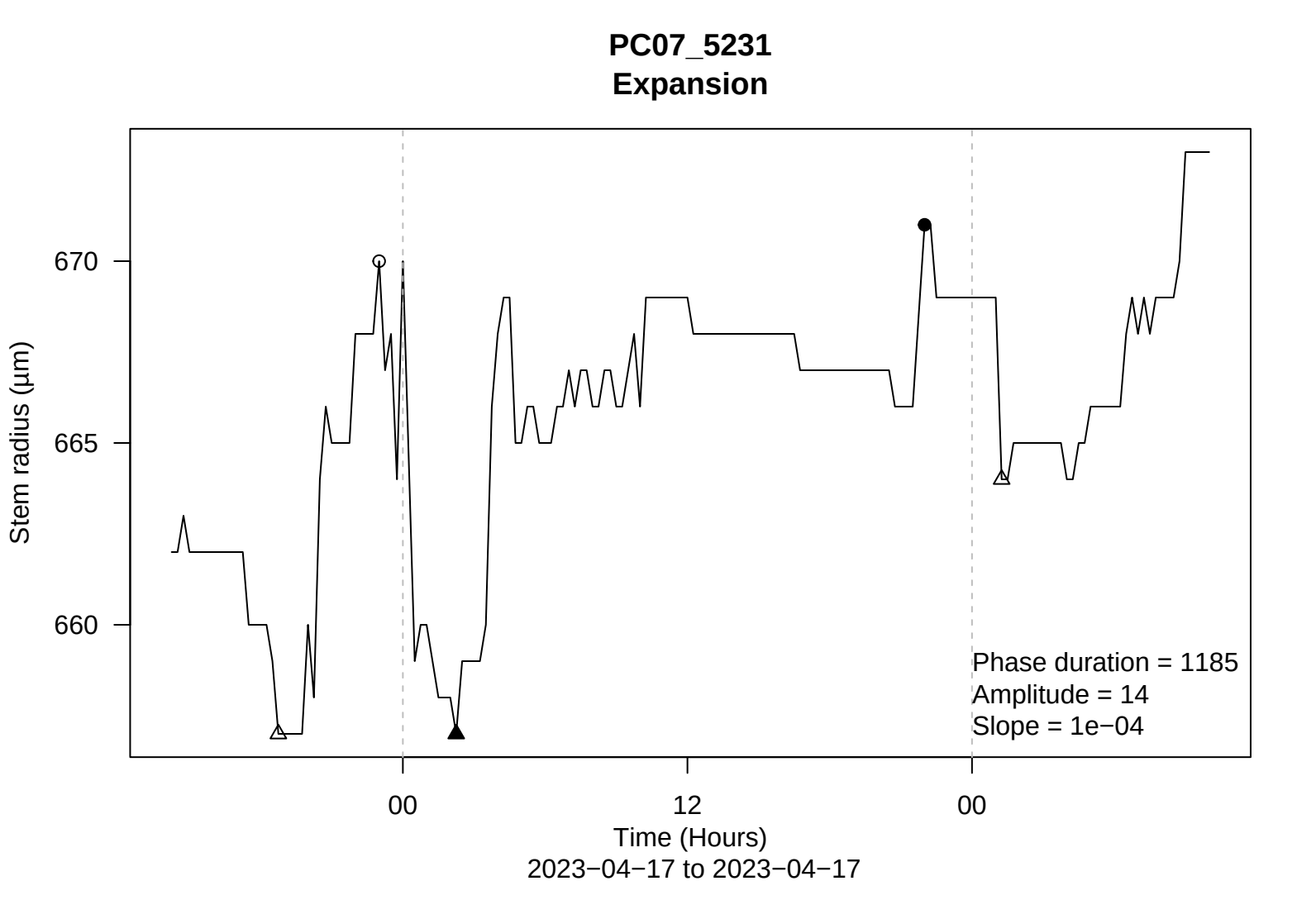

PC07_5231
Expansion
675
670
665
Stem radius (µm)
Phase duration = 1275
Amplitude = 4
Slope = 0
12
00
12
00
Time (Hours)
2023−04−13 to 2023−04−14

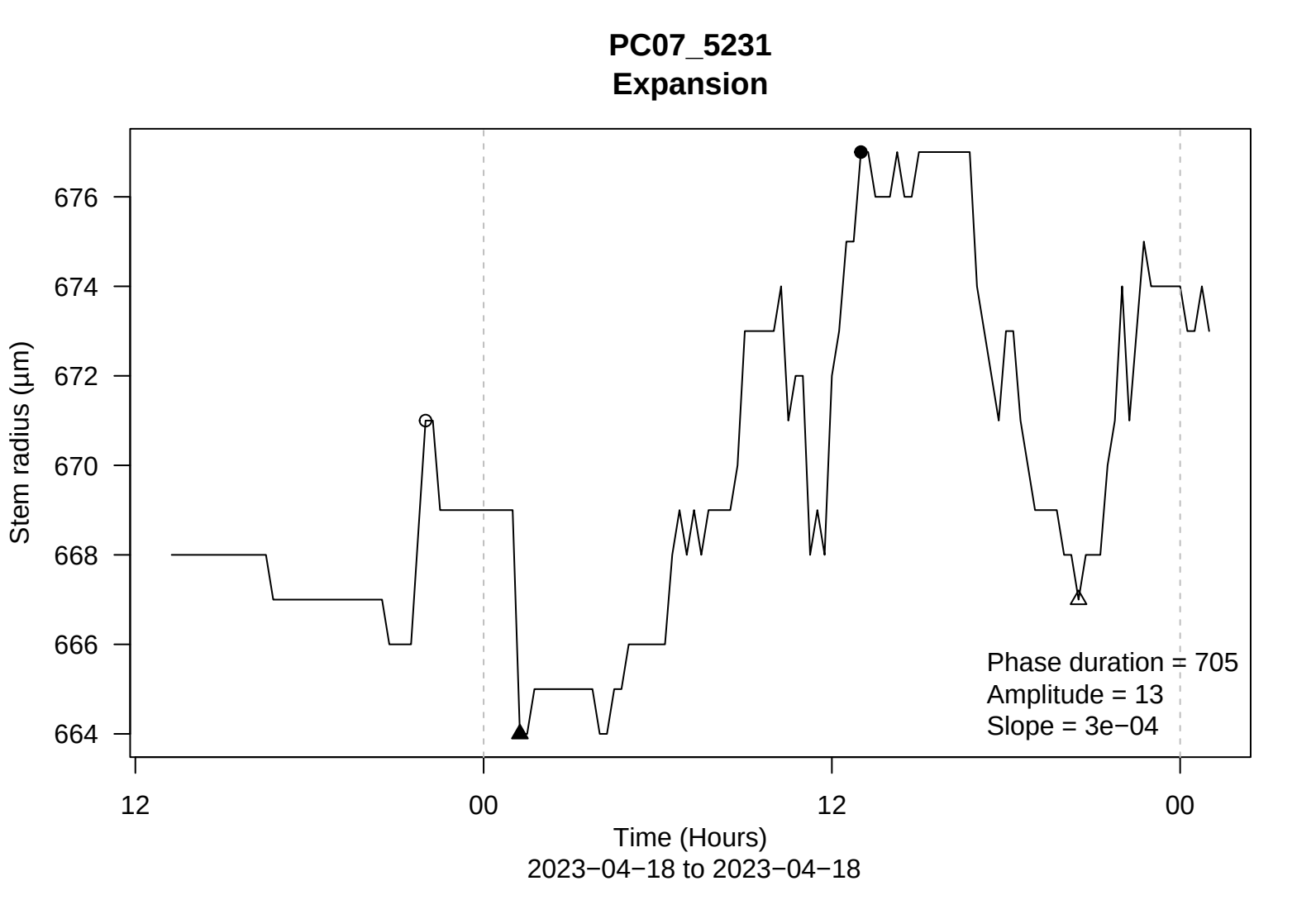

PC07_5231
Shrinkage
674
672
670
668
666
664
662
Stem radius (µm)
Phase duration = 435
Amplitude = −12
Slope = −3e−04
12
18
00
06
12
Time (Hours)
2023−04−14 to 2023−04−15

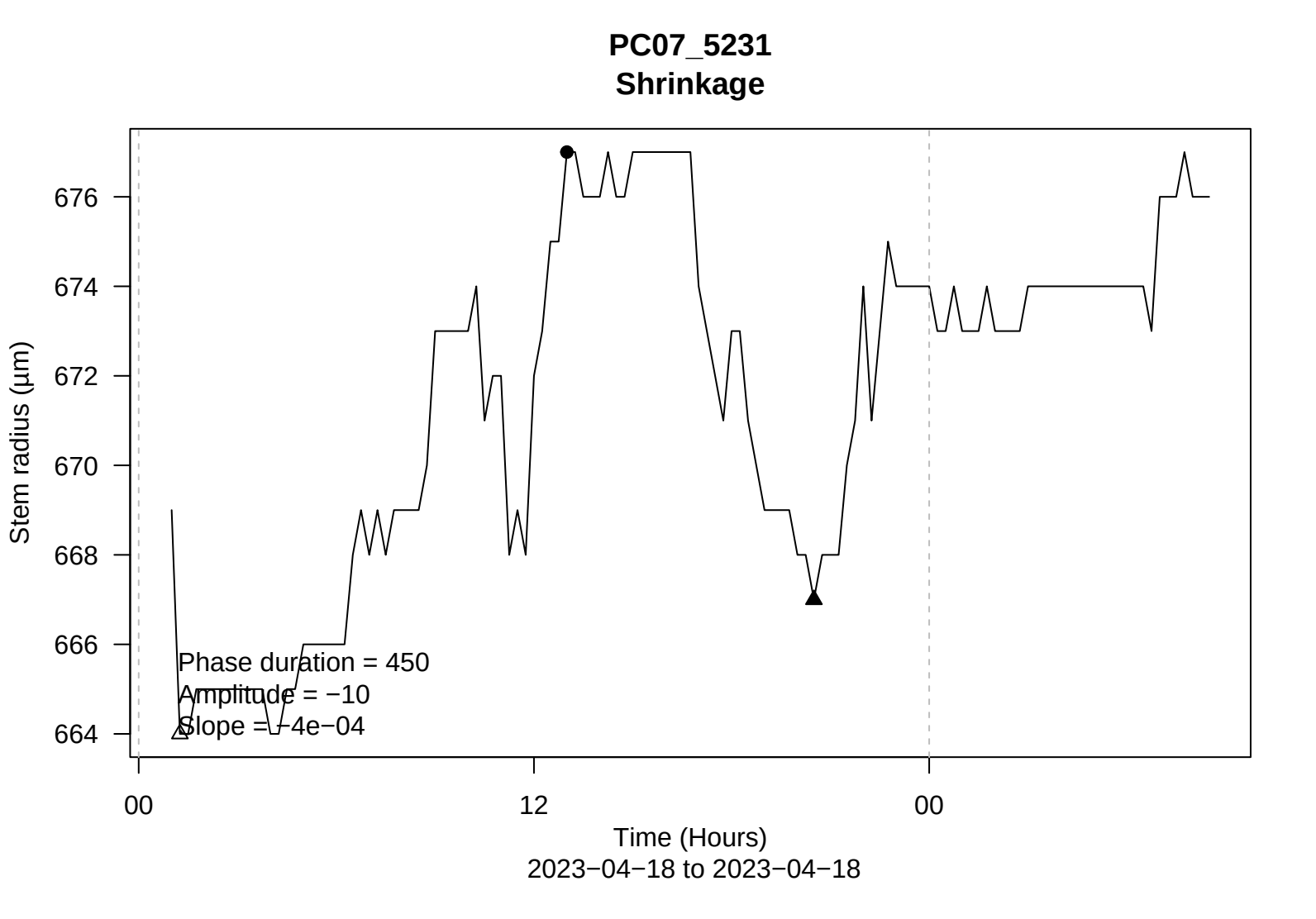

PC07_5231
Expansion
670
665
660
Stem radius (µm)
Phase duration = 780
Amplitude = 15
Slope = 1e−04
12
00
12
Time (Hours)
2023−04−15 to 2023−04−16

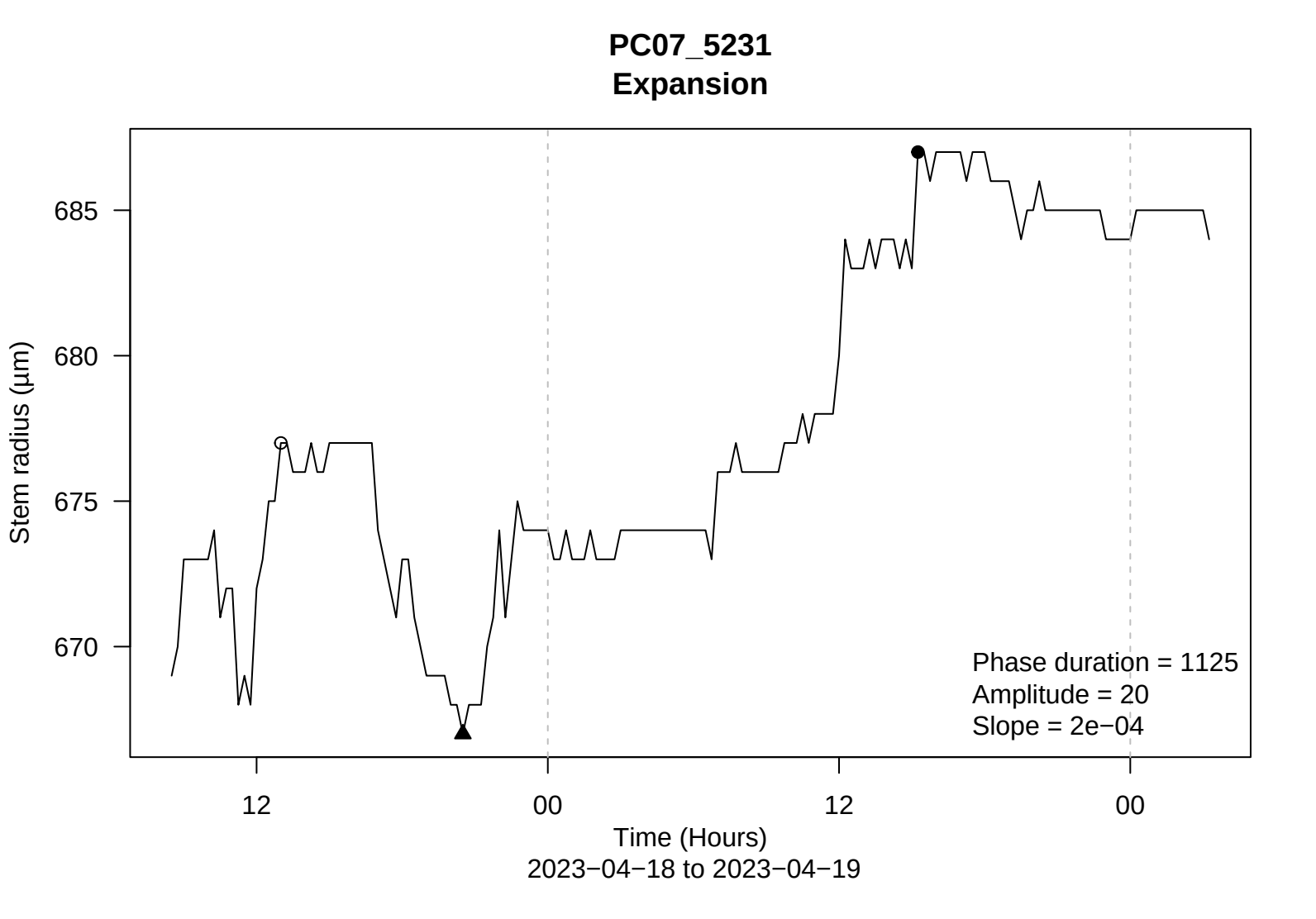

PC07_5231
Shrinkage
Stem radius (µm)
670
668
666
664
662
660
658
Phase duration = 600
Amplitude = −14
Slope = −3e−04
00
12
00
Time (Hours)
2023−04−16 to 2023−04−16

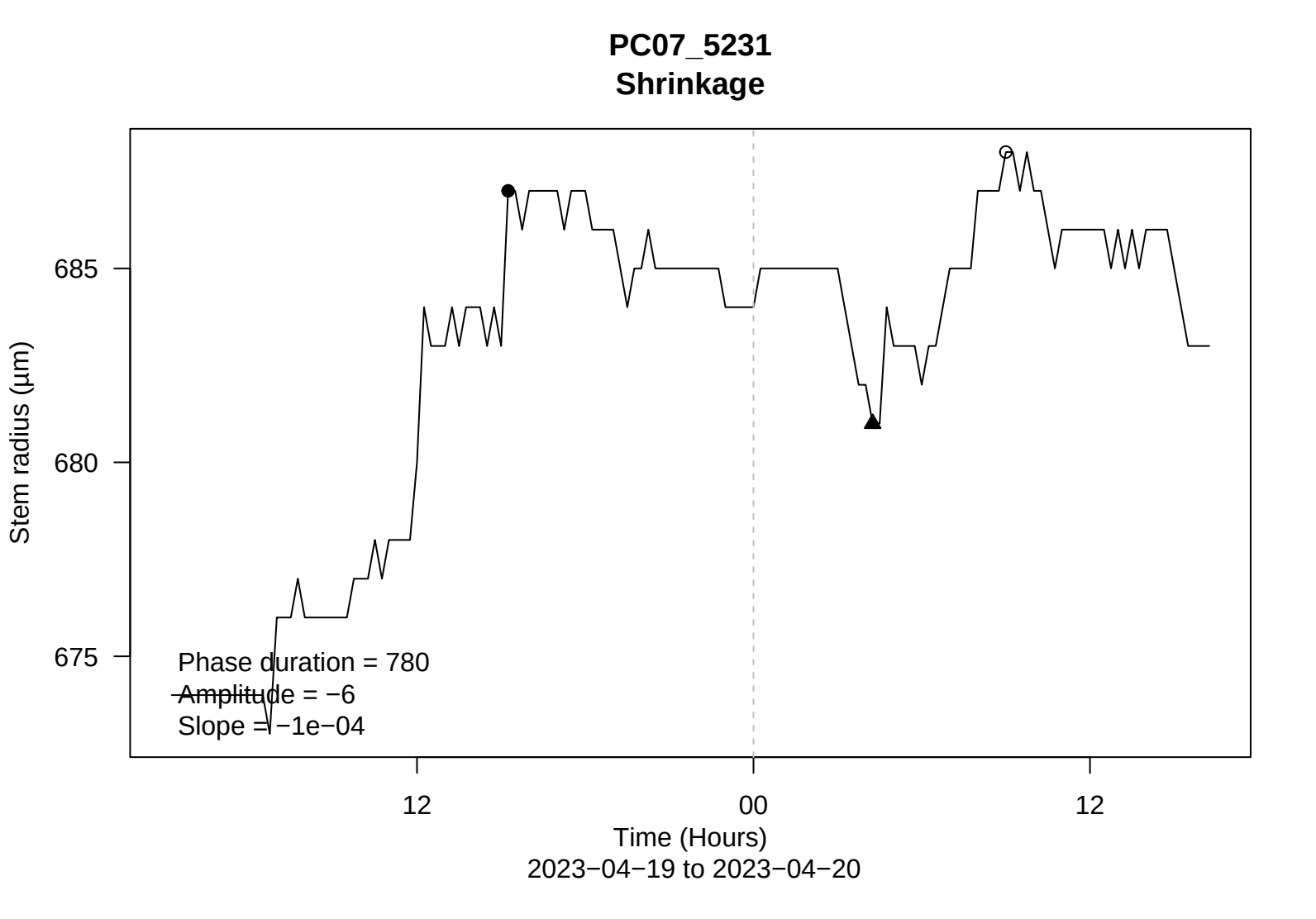

PC07_5231
Expansion
Stem radius (µm)
670
668
666
664
662
660
658
12
00
12
Time (Hours)
2023−04−16 to 2023−04−16
Phase duration = 255
Amplitude = 13
Slope = 9e−04

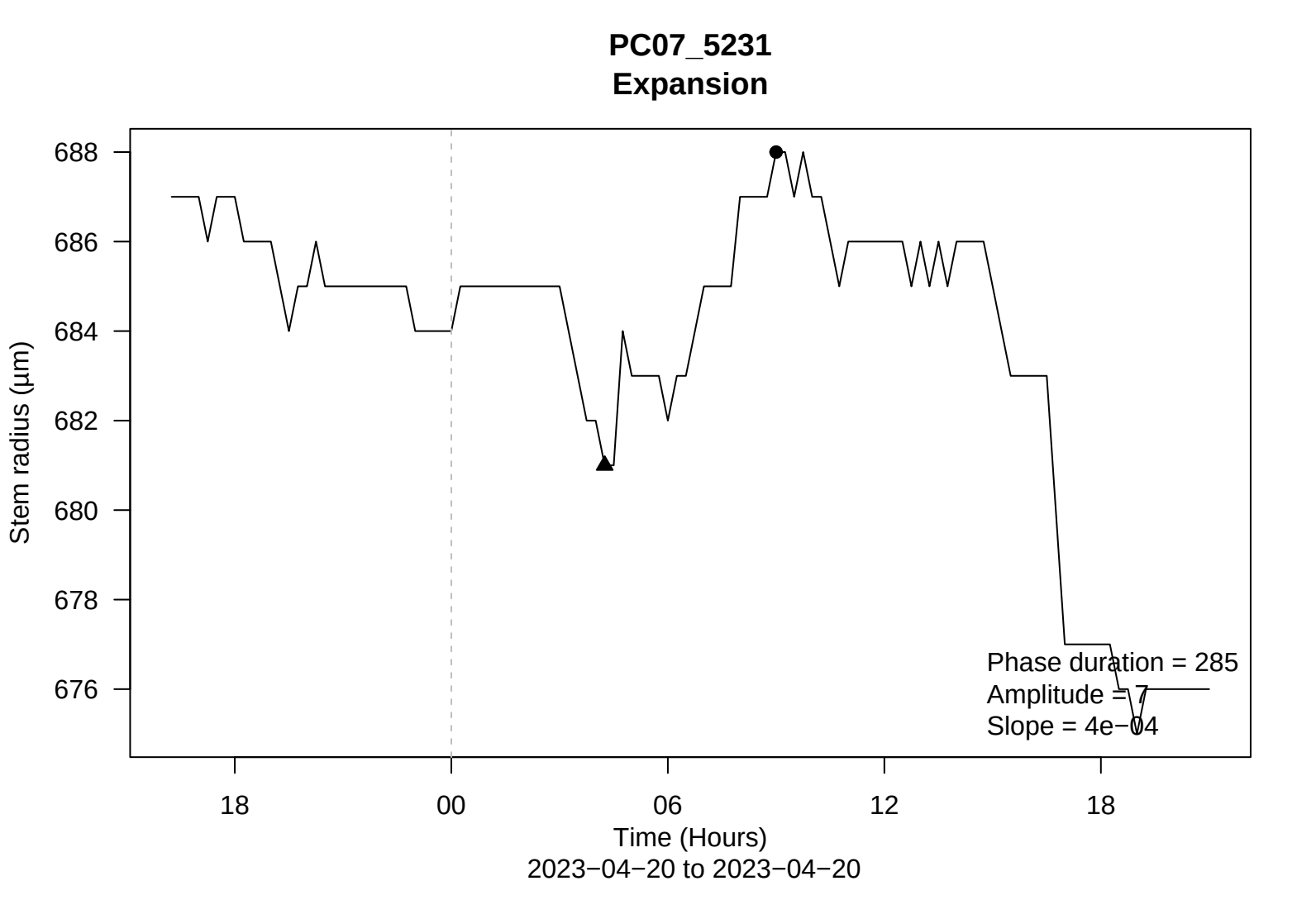

PC07_5231
Expansion
Stem radius (µm)
670
665
660
Phase duration = 1185
Amplitude = 14
Slope = 1e−04
00
12
00
Time (Hours)
2023−04−17 to 2023−04−17

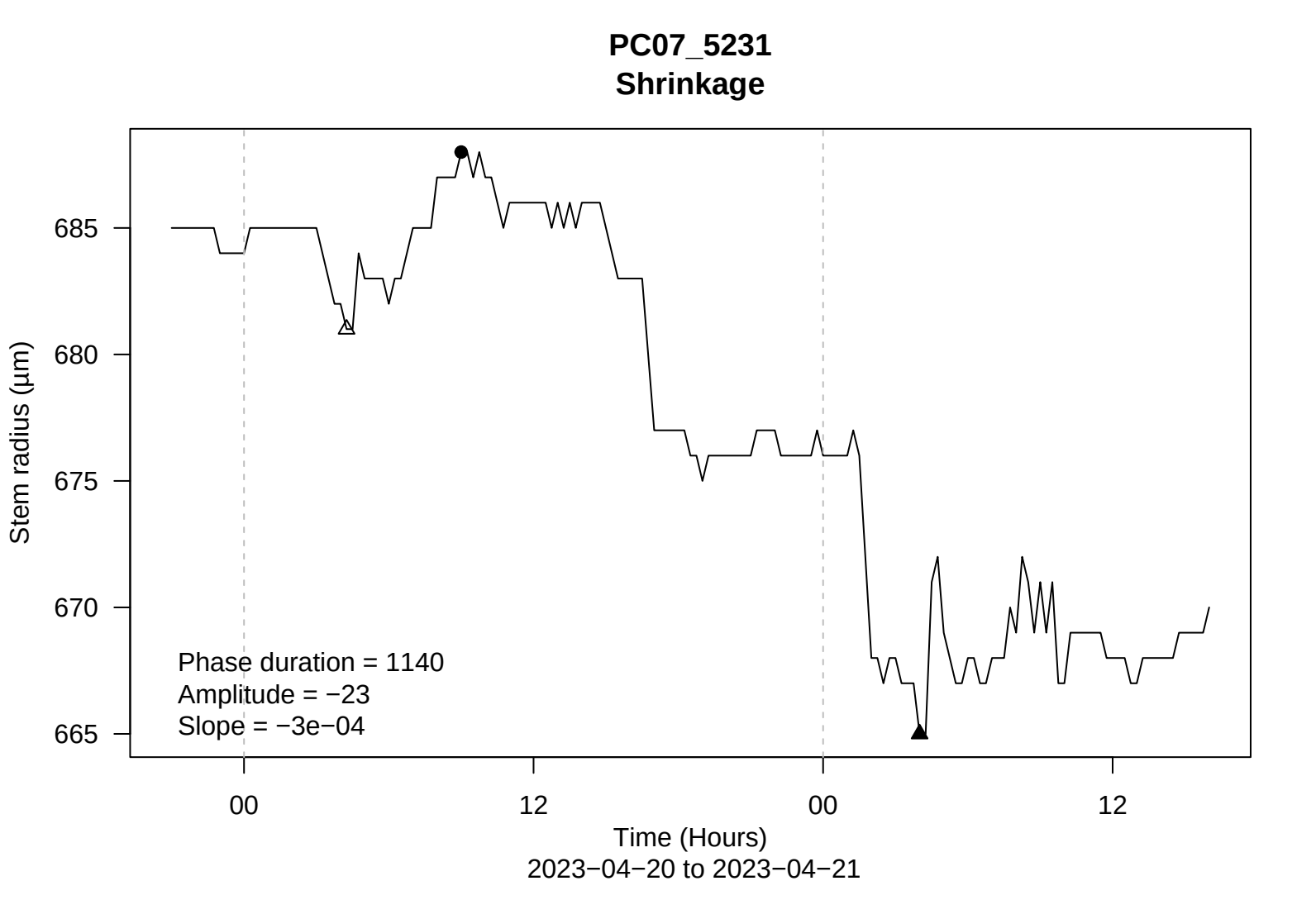

PC07_5231
Expansion
Stem radius (µm)
676
674
672
670
668
666
664
12
00
12
00
Time (Hours)
2023−04−18 to 2023−04−18
Phase duration = 705
Amplitude = 13
Slope = 3e−04

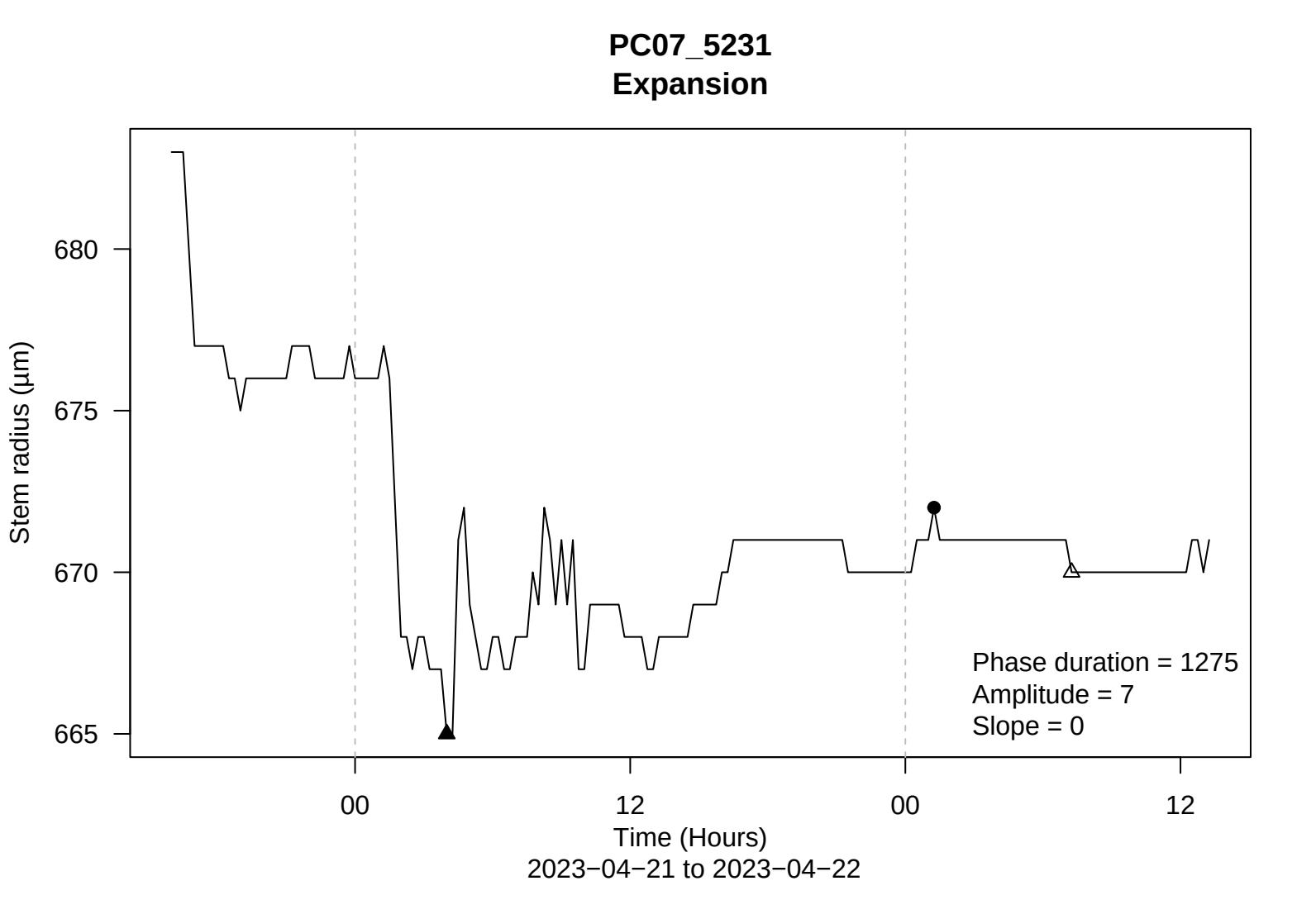

PC07_5231
Shrinkage
Stem radius (µm)
676
674
672
670
668
666
664
Phase duration = 450
Amplitude = −10
Slope = −4e−04
00
12
00
Time (Hours)
2023−04−18 to 2023−04−18

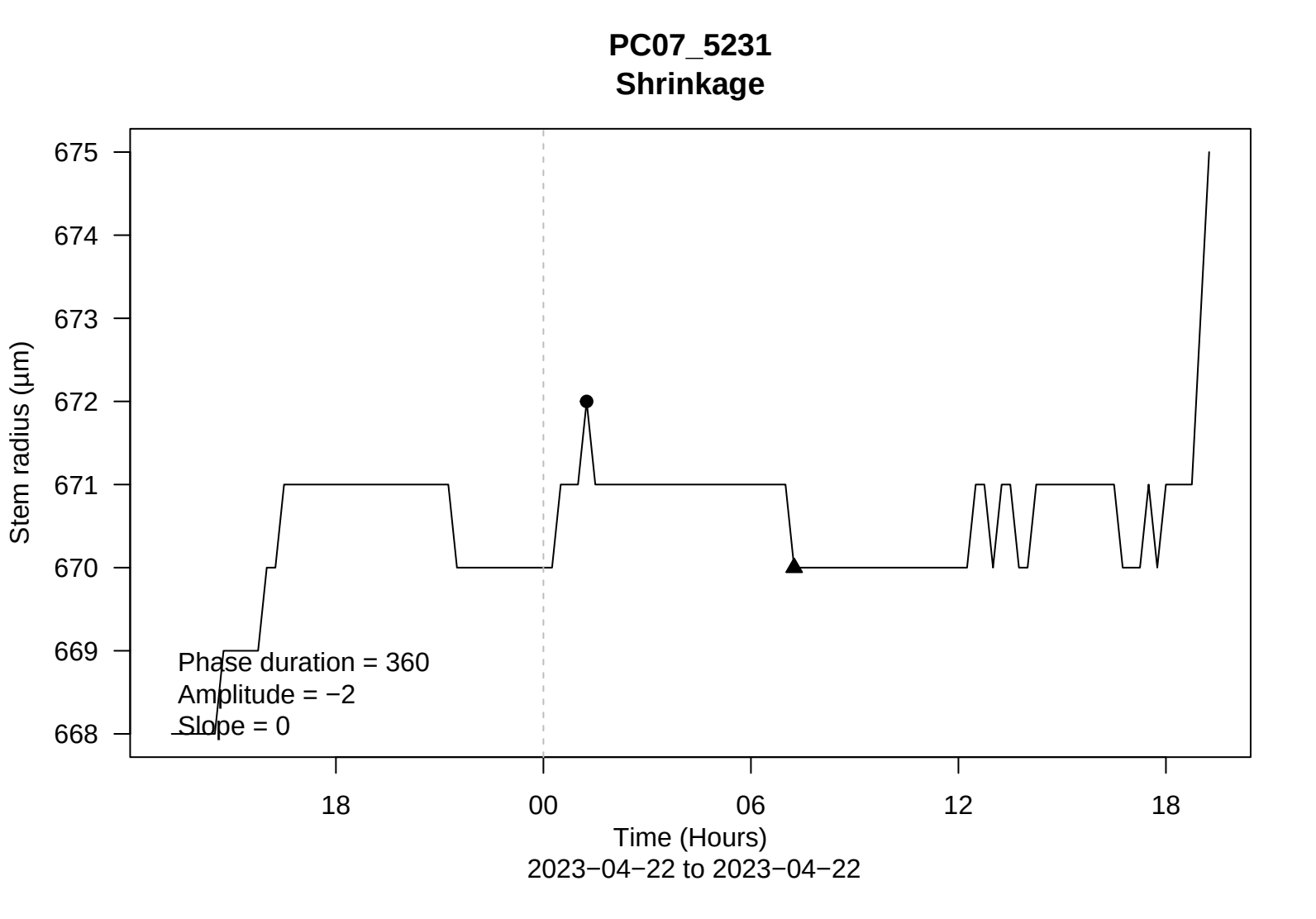

PC07_5231
Expansion
685
680
675
670
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−04−18 to 2023−04−19
Phase duration = 1125
Amplitude = 20
Slope = 2e−04

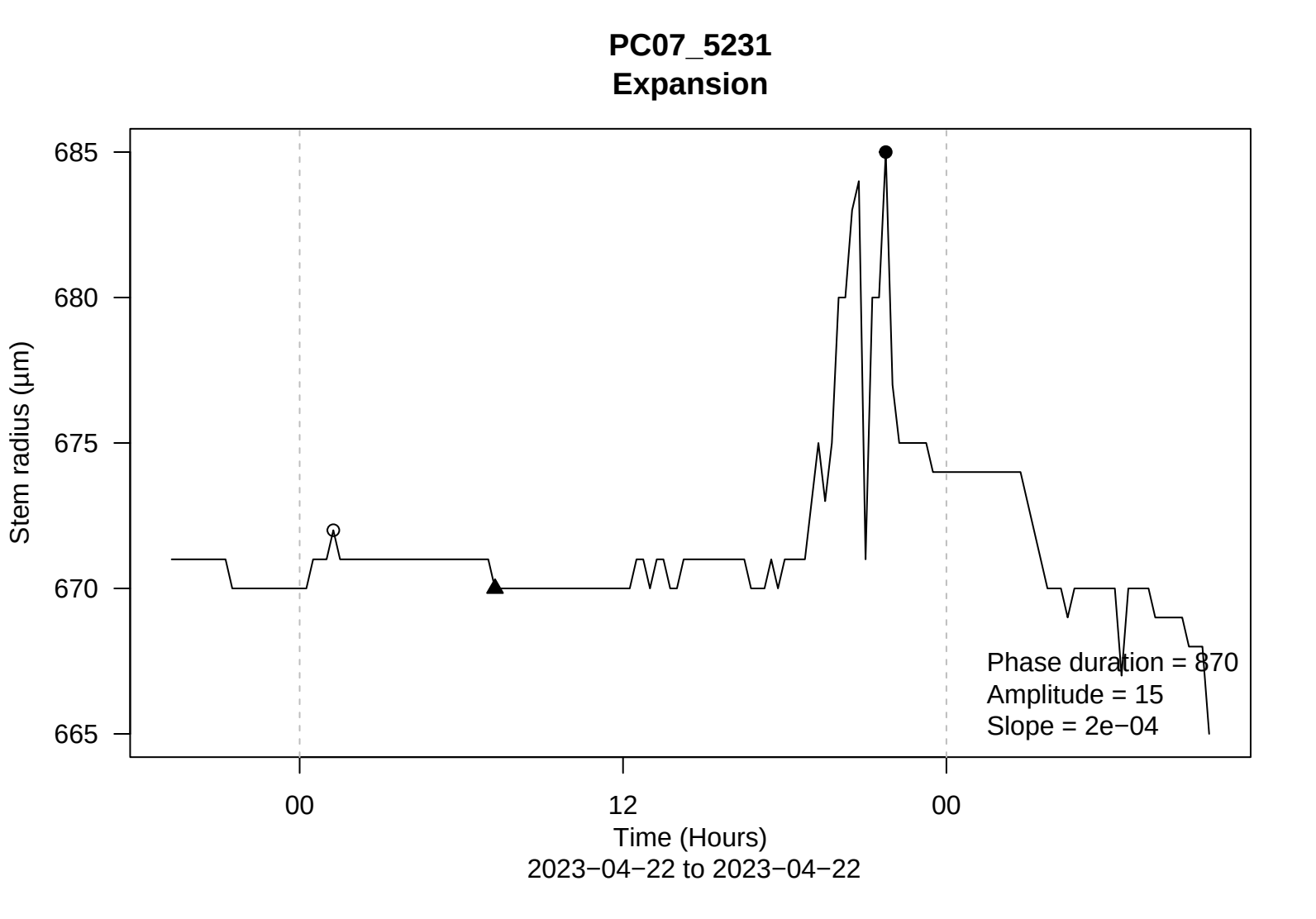

PC07_5231
Shrinkage
685
680
675
Stem radius (µm)
Phase duration = 780
Amplitude = −6
Slope = −1e−04
12
00
12
Time (Hours)
2023−04−19 to 2023−04−20

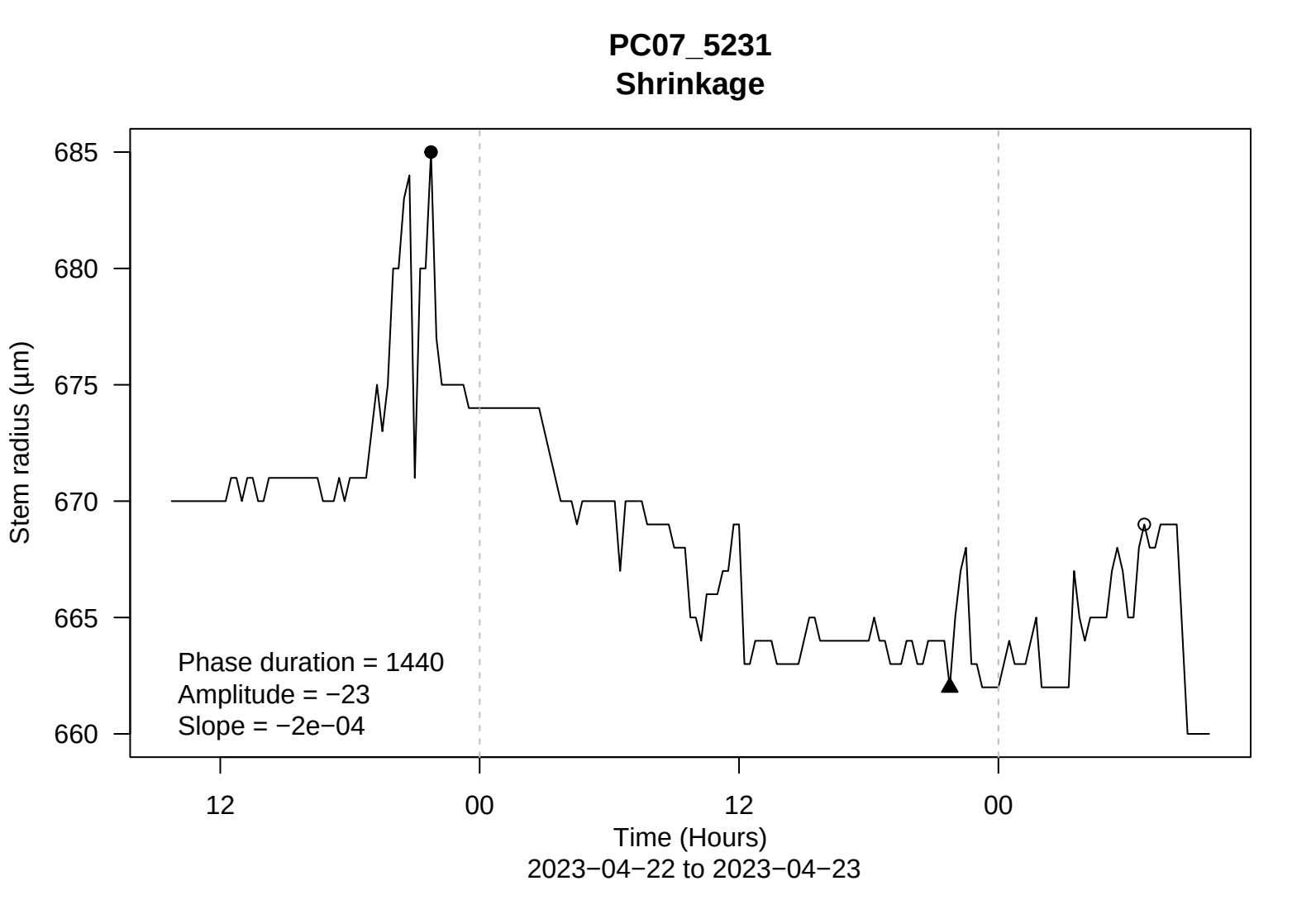

PC07_5231
Expansion
688
686
684
682
680
678
676
Stem radius (µm)
Phase duration = 285
Amplitude = 7
Slope = 4e−04
18
00
06
12
18
Time (Hours)
2023−04−20 to 2023−04−20

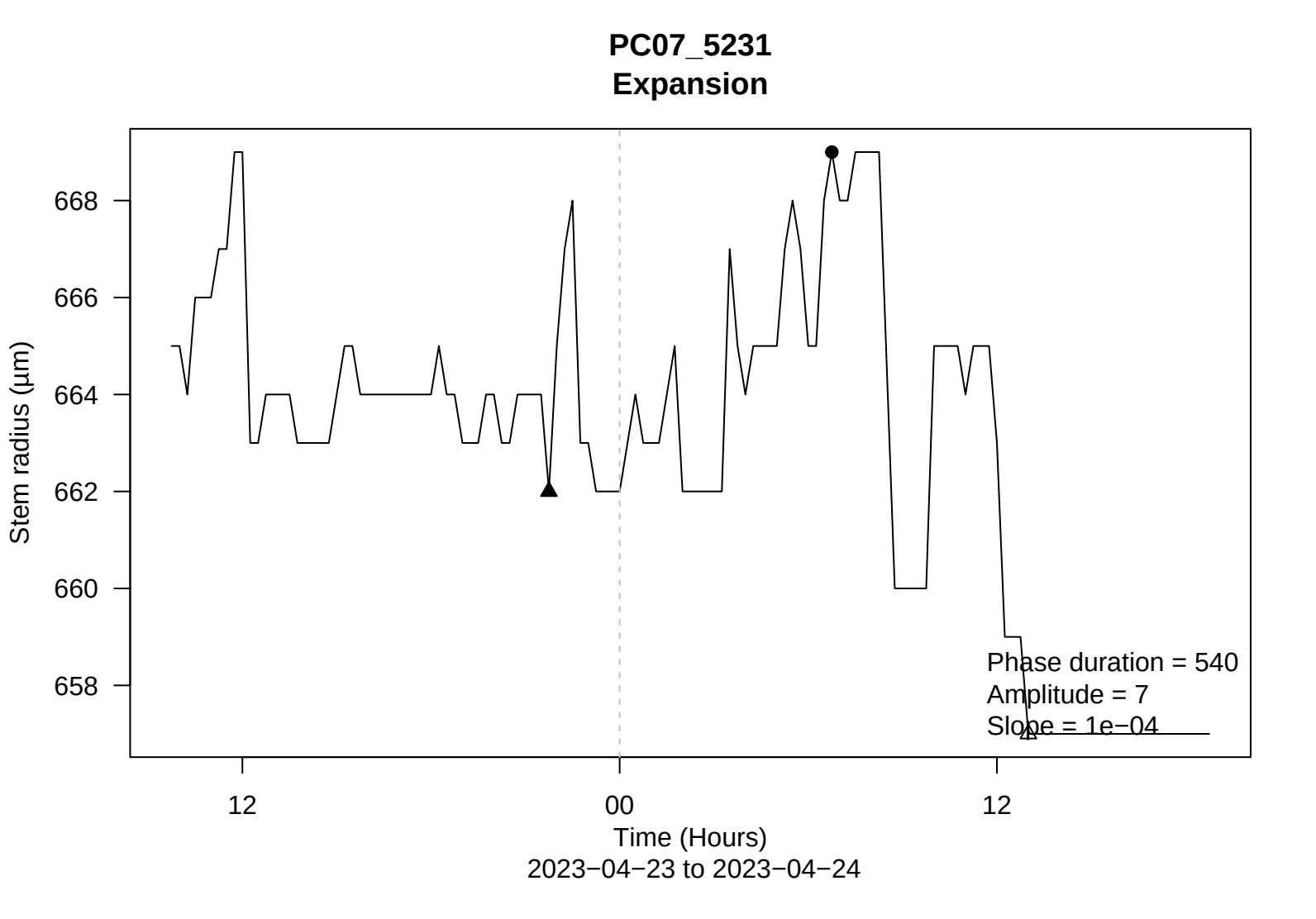

PC07_5231
Shrinkage
685
680
675
670
665
Stem radius (µm)
Phase duration = 1140
Amplitude = −23
Slope = −3e−04
00
12
00
12
Time (Hours)
2023−04−20 to 2023−04−21

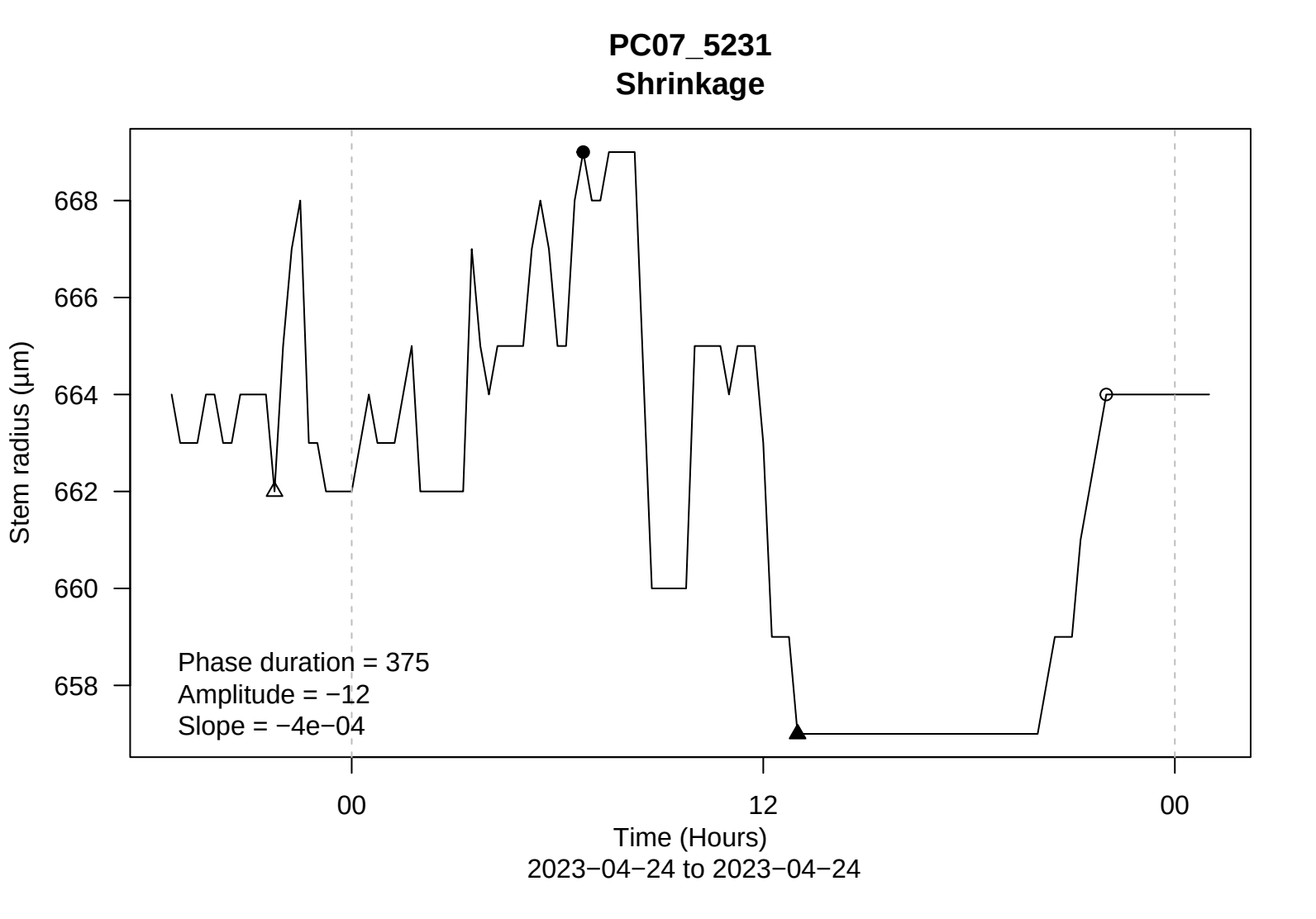

PC07_5231
Expansion
680
675
670
665
Stem radius (µm)
00
12
00
12
Time (Hours)
2023−04−21 to 2023−04−22
Phase duration = 1275
Amplitude = 7
Slope = 0

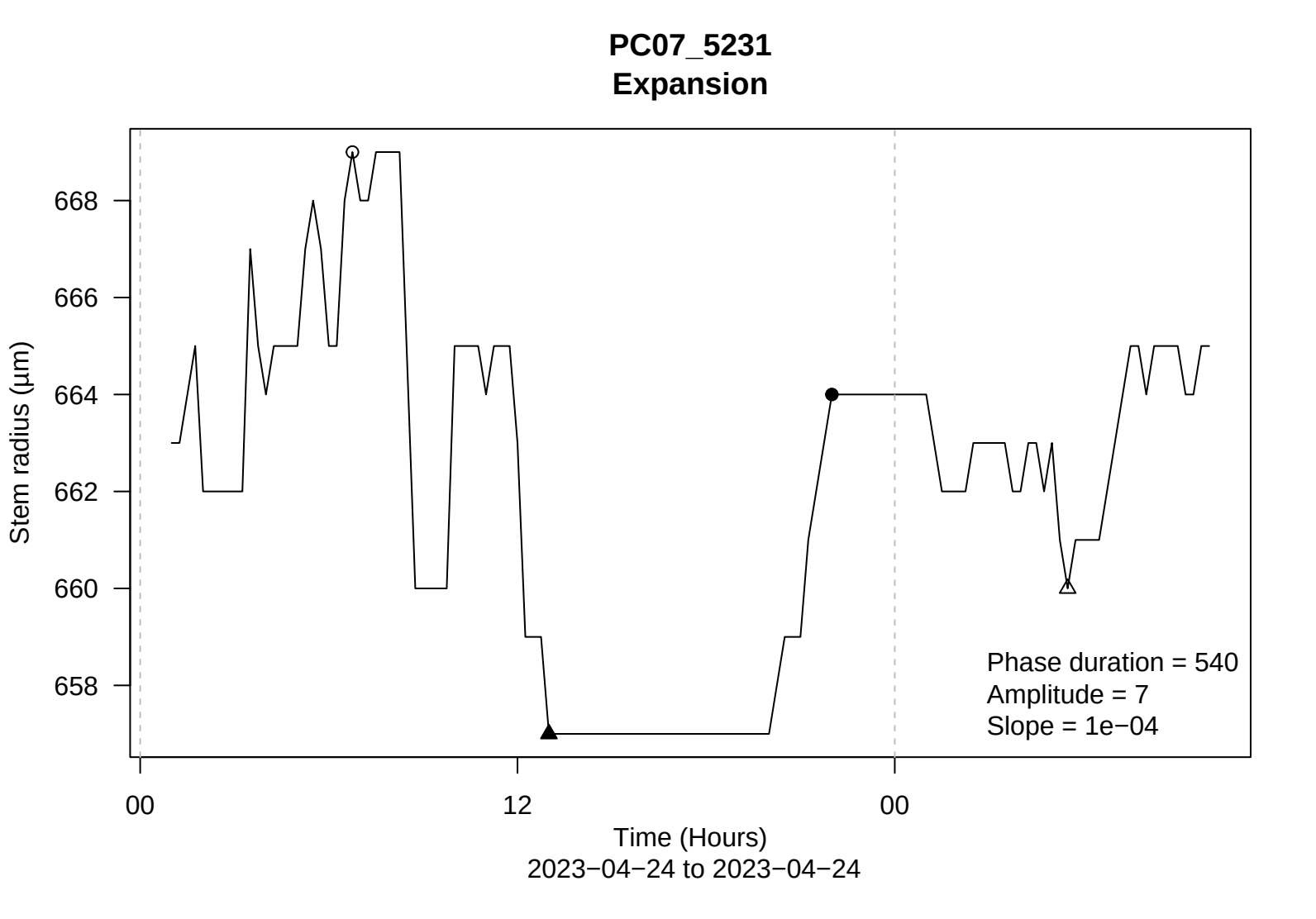

PC07_5231
Shrinkage
675
674
673
672
671
670
669
668
Stem radius (µm)
Phase duration = 360
Amplitude = −2
Slope = 0
18
00
06
12
18
Time (Hours)
2023−04−22 to 2023−04−22

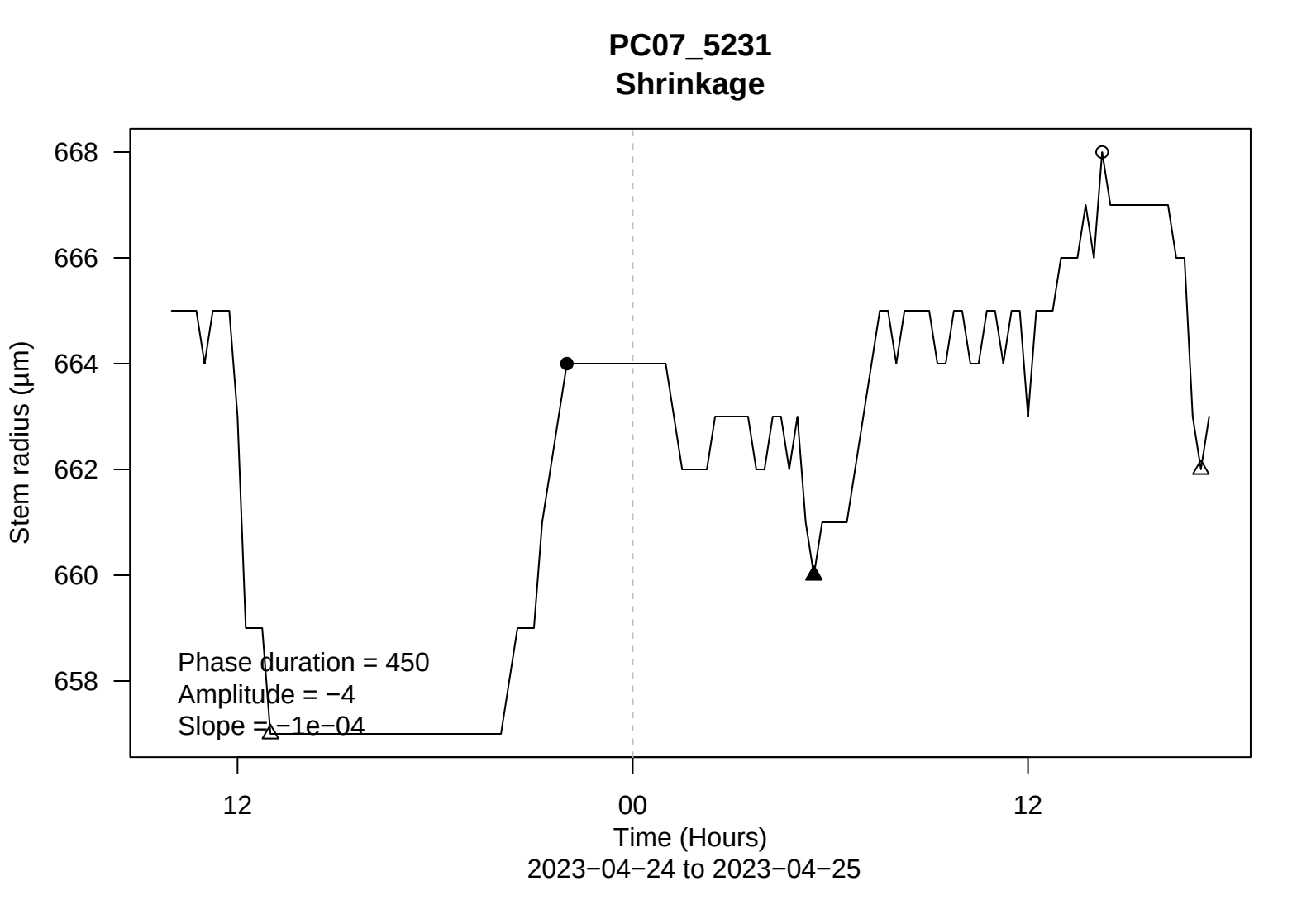

PC07_5231
Expansion
685
680
675
670
665
Stem radius (µm)
00
12
00
Time (Hours)
2023−04−22 to 2023−04−22
Phase duration = 870
Amplitude = 15
Slope = 2e−04

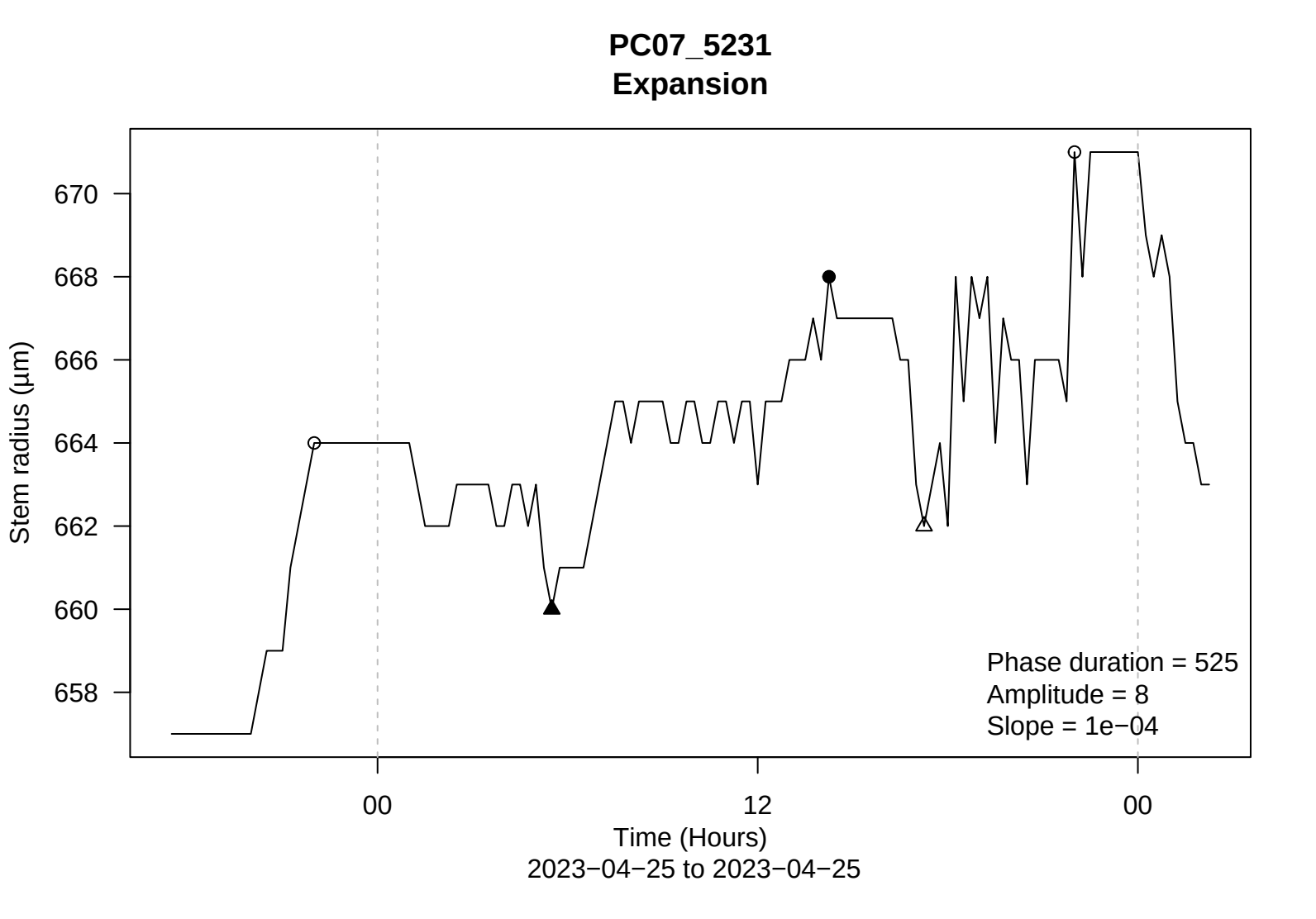

PC07_5231
Shrinkage
685
680
675
670
665
660
Stem radius (µm)
Phase duration = 1440
Amplitude = −23
Slope = −2e−04
12
00
12
00
Time (Hours)
2023−04−22 to 2023−04−23

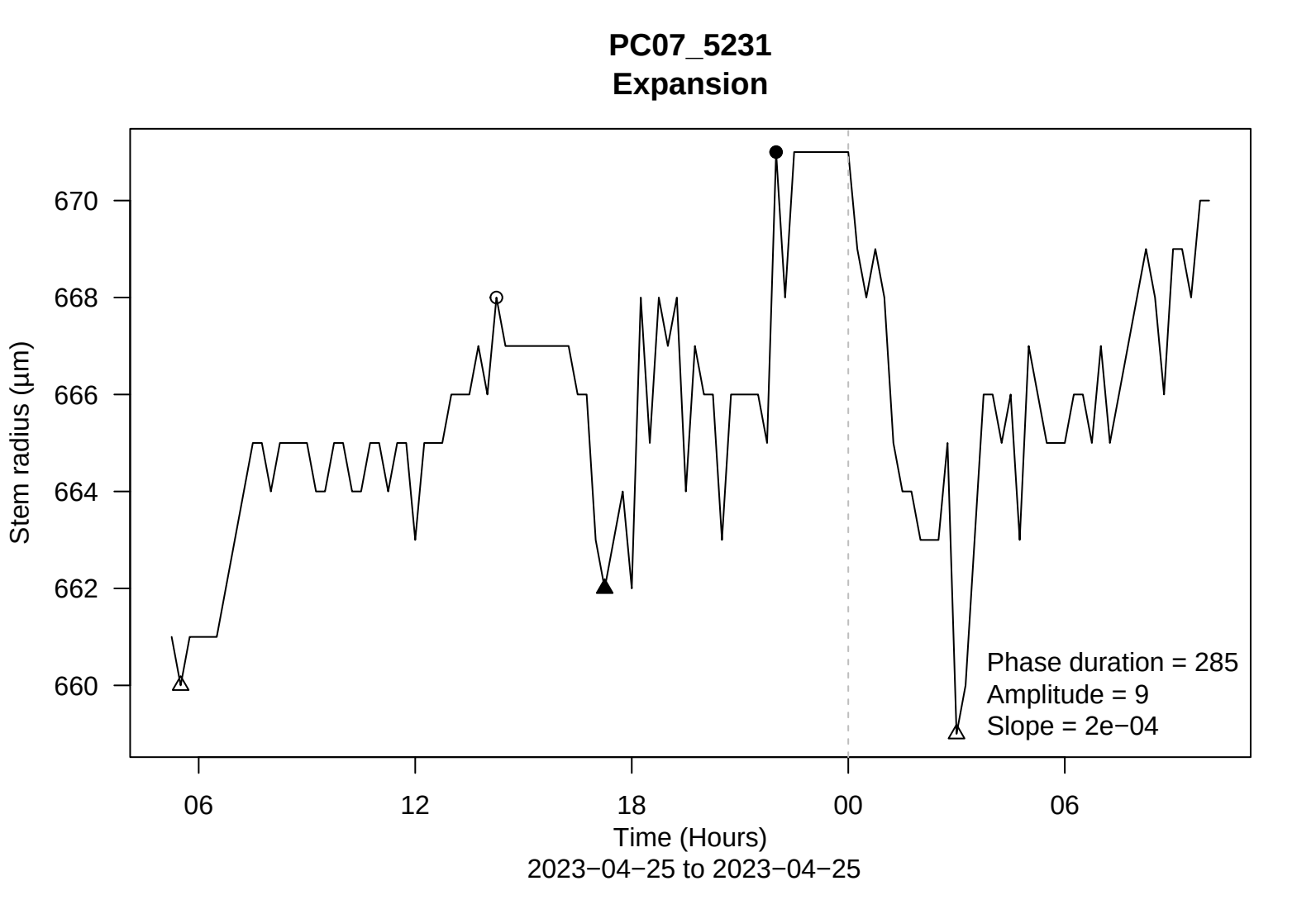

PC07_5231
Expansion
Stem radius (µm)
668
666
664
662
660
658
Phase duration = 540
Amplitude = 7
Slope = 1e−04
12
00
12
Time (Hours)
2023−04−23 to 2023−04−24

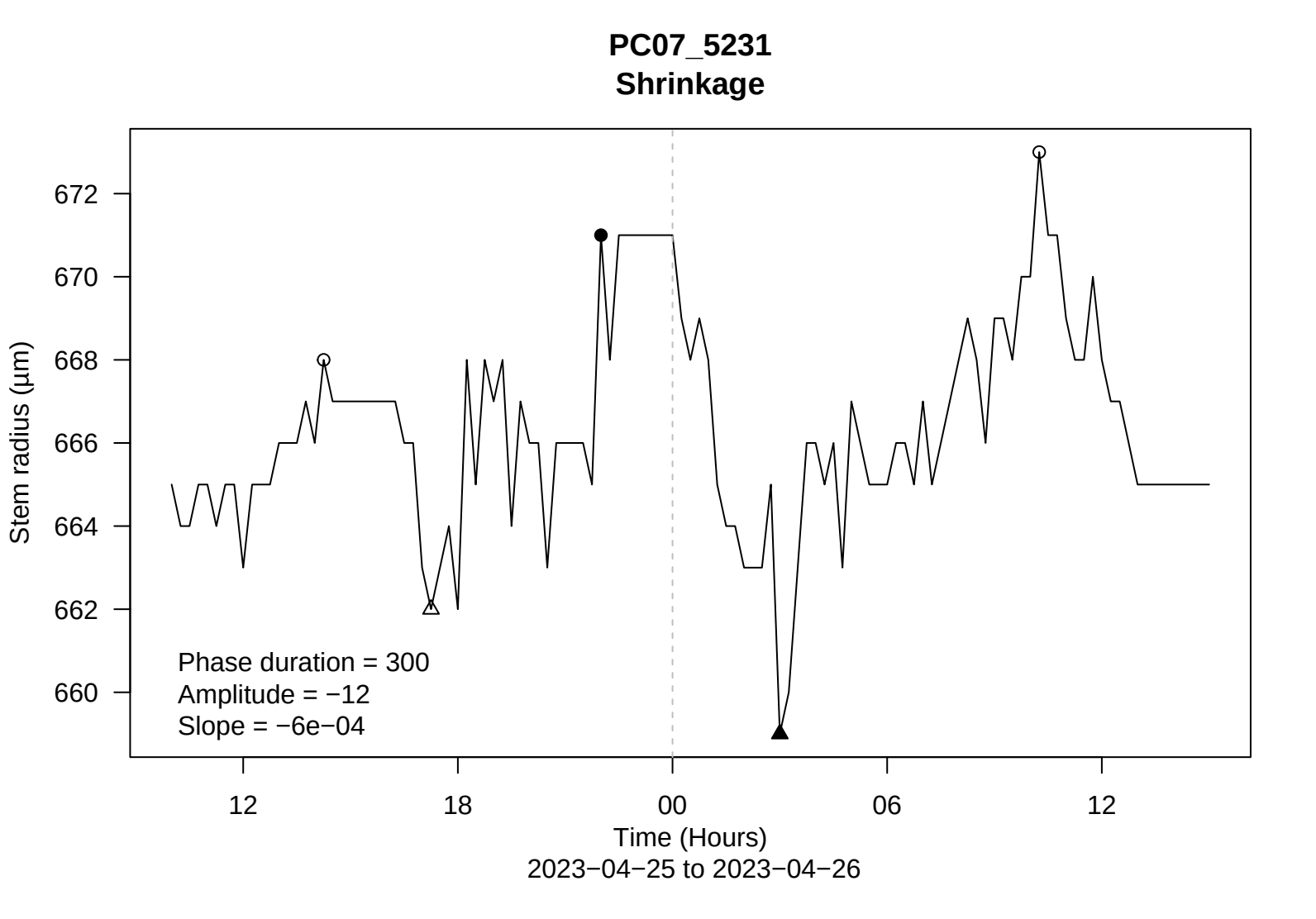

PC07_5231
Shrinkage
Stem radius (µm)
668
666
664
662
660
658
Phase duration = 375
Amplitude = −12
Slope = −4e−04
00
12
00
Time (Hours)
2023−04−24 to 2023−04−24

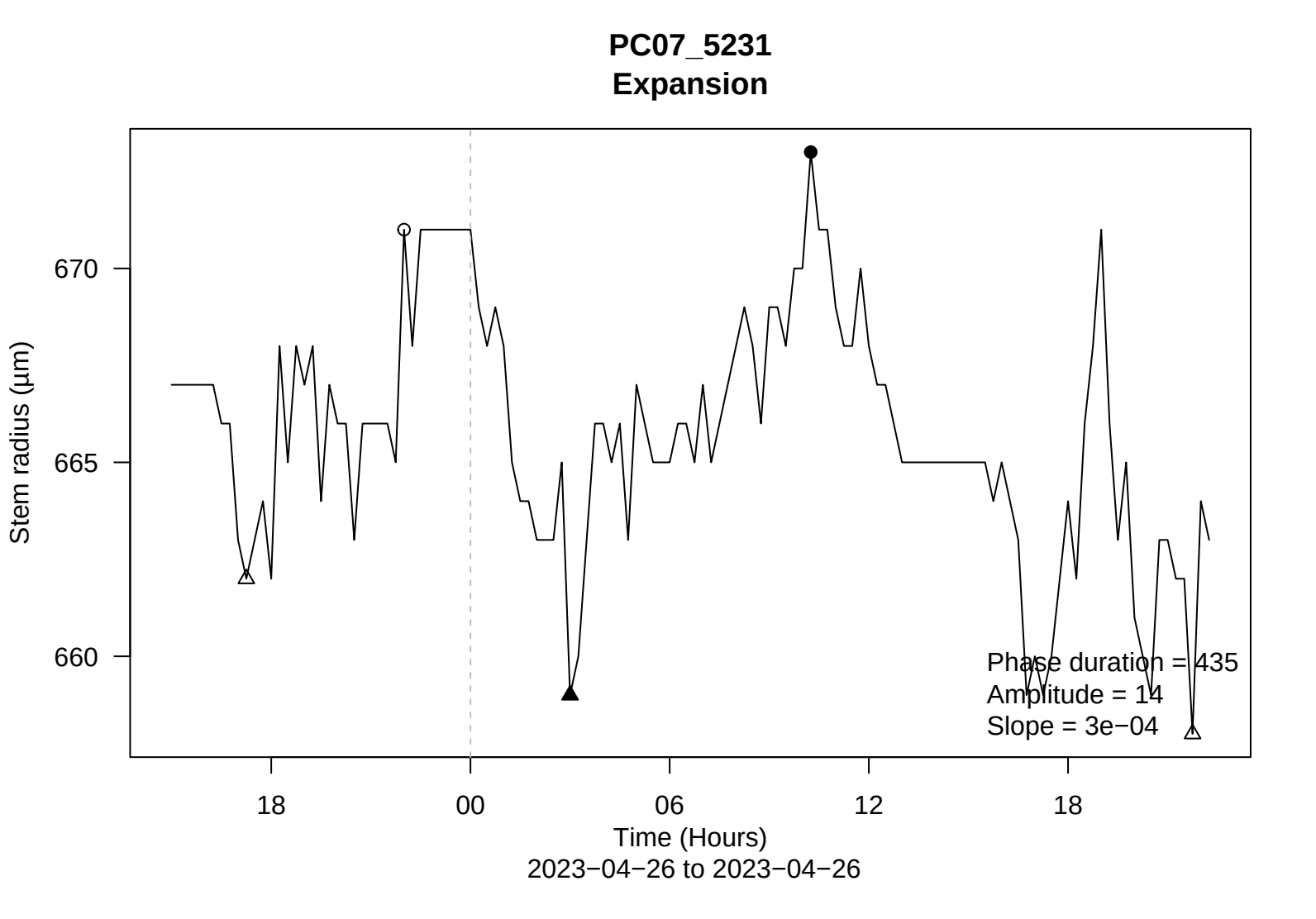

PC07_5231
Expansion
Stem radius (µm)
668
666
664
662
660
658
00
12
00
Time (Hours)
2023−04−24 to 2023−04−24
Phase duration = 540
Amplitude = 7
Slope = 1e−04

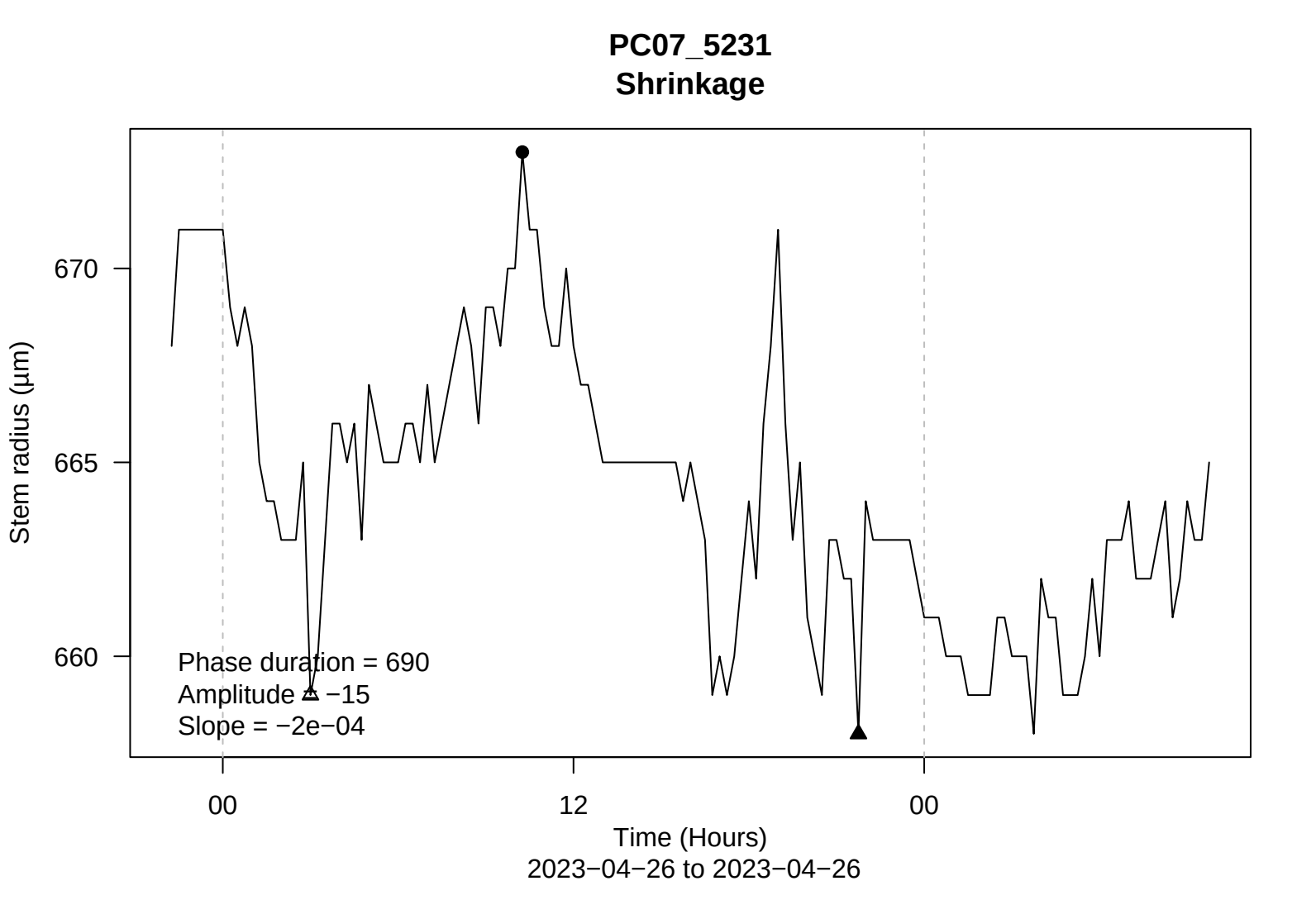

PC07_5231
Shrinkage
668
666
664
662
660
658
Stem radius (µm)
Phase duration = 450
Amplitude = −4
Slope = −1e−04
12
00
12
Time (Hours)
2023−04−24 to 2023−04−25

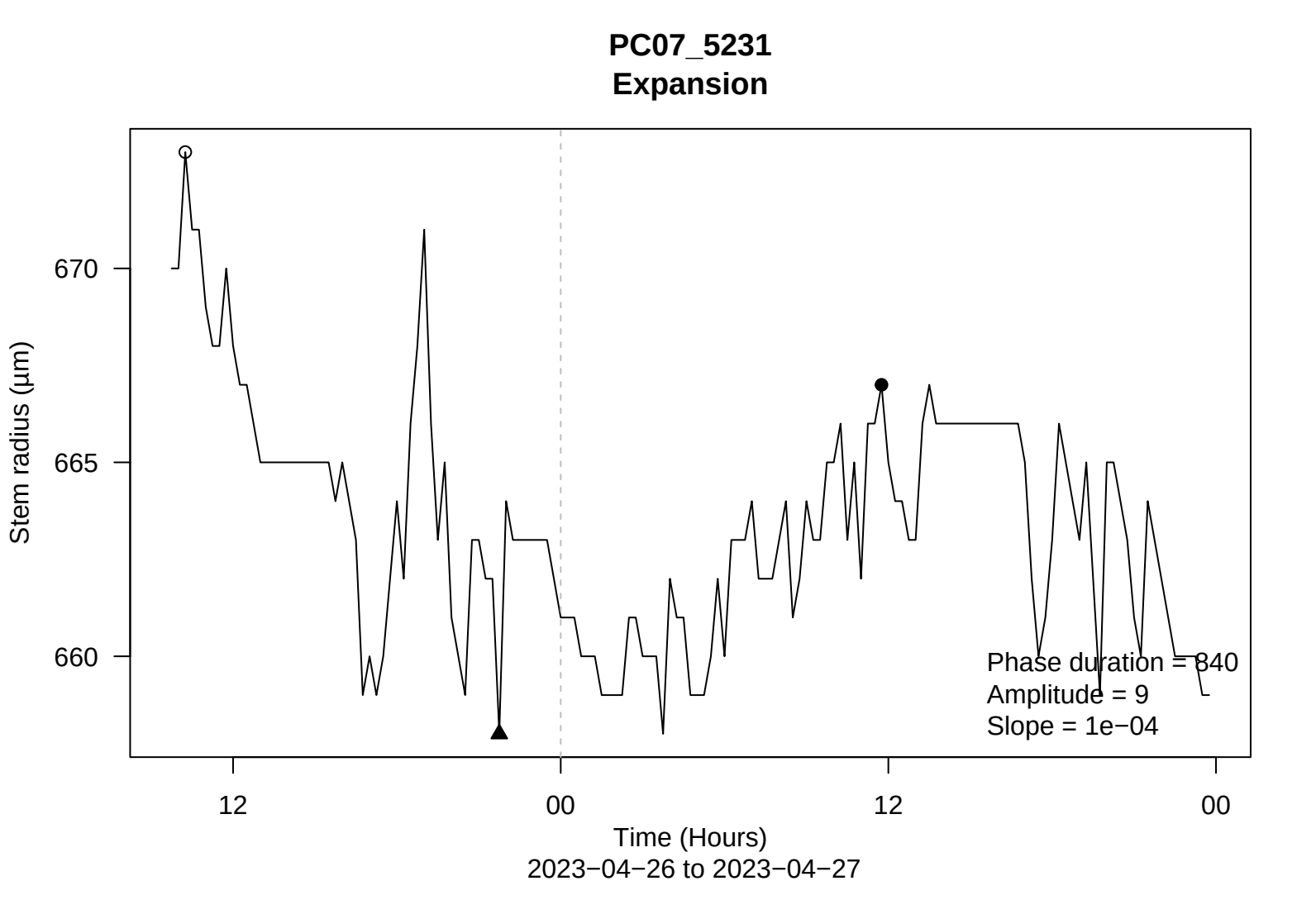

PC07_5231
Expansion
Stem radius (µm)
670
668
666
664
662
660
658
00
12
00
Time (Hours)
2023−04−25 to 2023−04−25
Phase duration = 525
Amplitude = 8
Slope = 1e−04

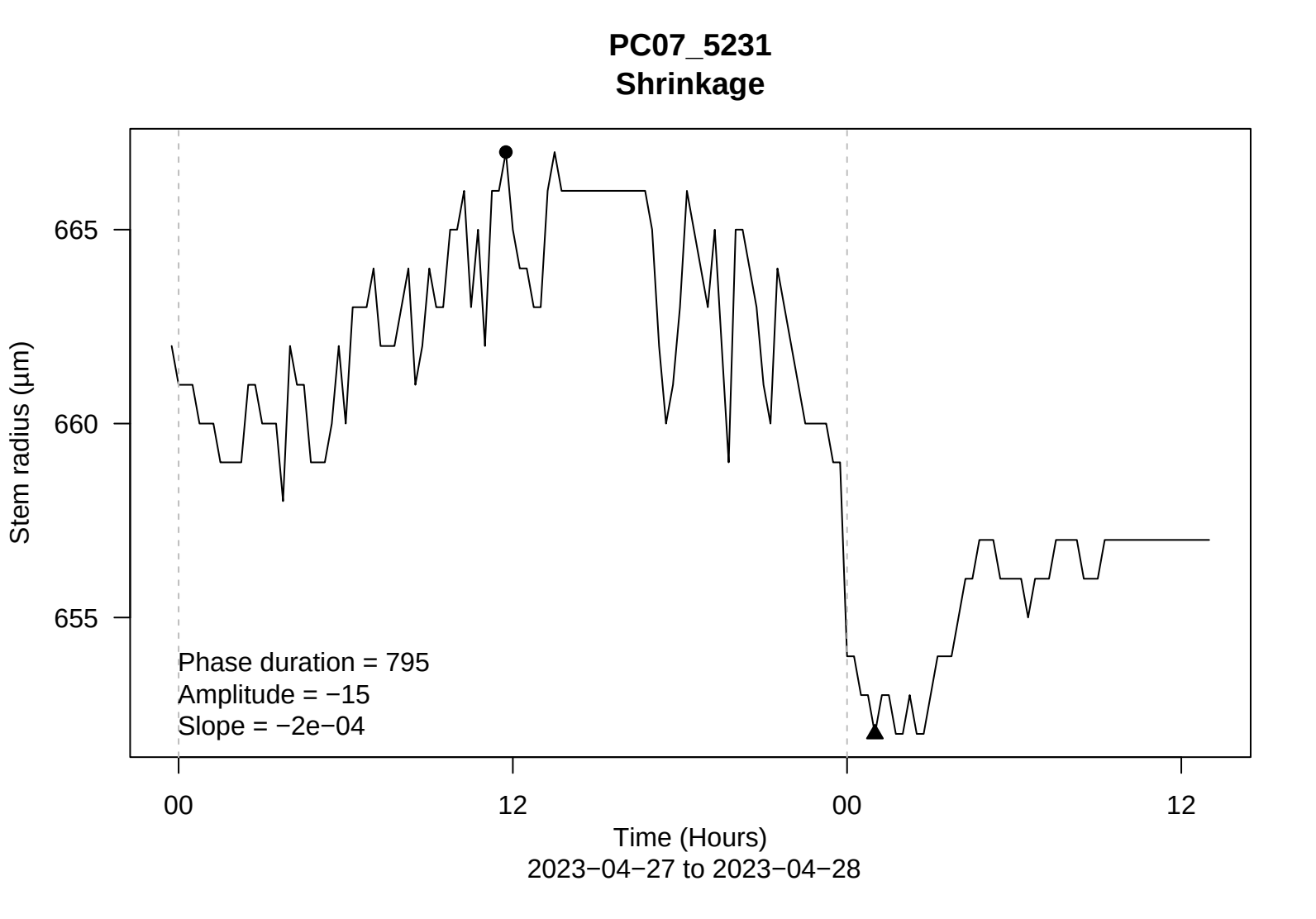

PC07_5231
Expansion
Stem radius (µm)
670
668
666
664
662
660
06
12
18
00
06
Time (Hours)
2023−04−25 to 2023−04−25
Phase duration = 285
Amplitude = 9
Slope = 2e−04

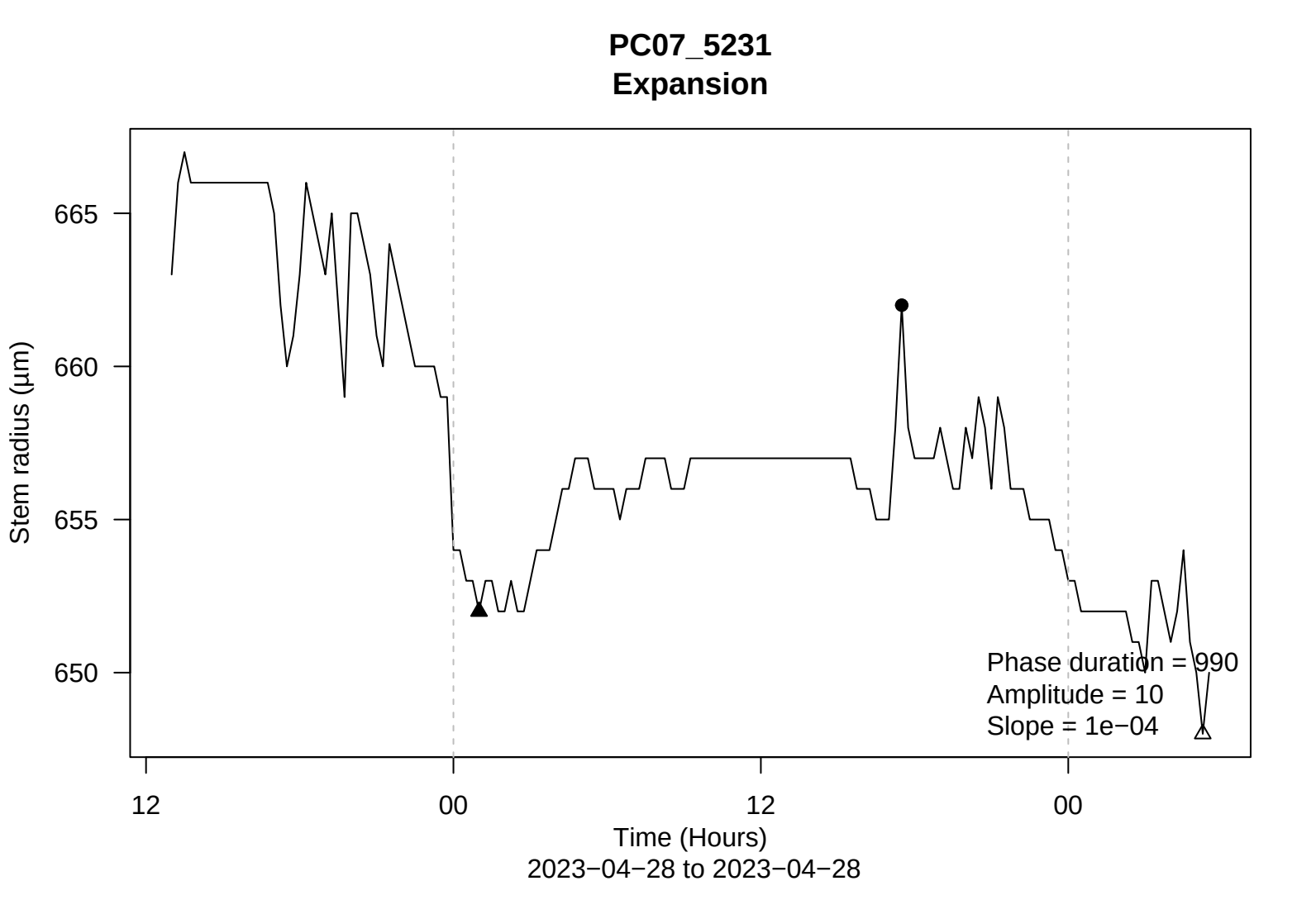

PC07_5231
Shrinkage
Stem radius (µm)
672
670
668
666
664
662
660
Phase duration = 300
Amplitude = −12
Slope = −6e−04
12
18
00
06
12
Time (Hours)
2023−04−25 to 2023−04−26

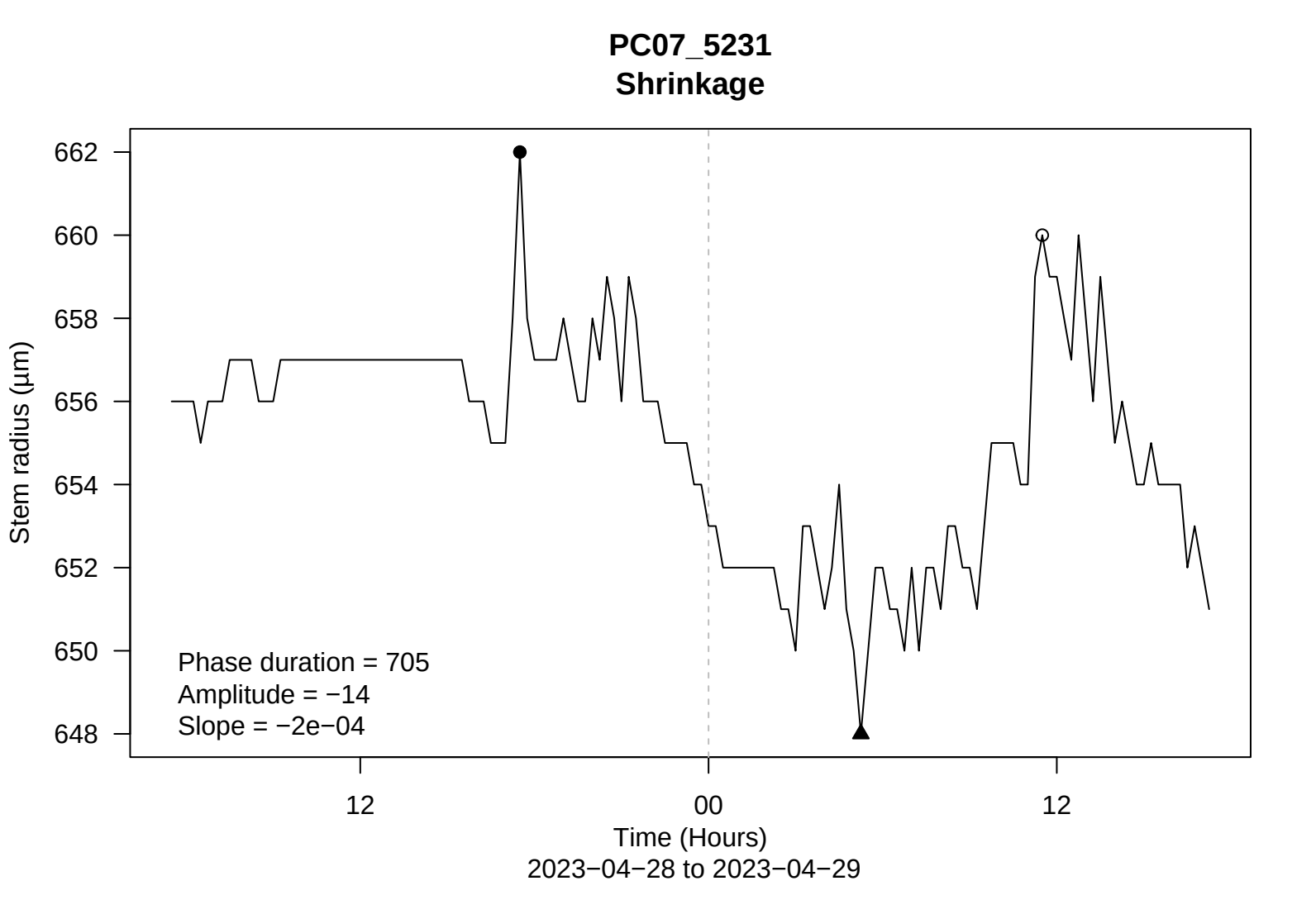

PC07_5231
Expansion
Stem radius (µm)
670
665
660
18
00
06
12
18
Time (Hours)
2023−04−26 to 2023−04−26
Phase duration = 435
Amplitude = 14
Slope = 3e−04

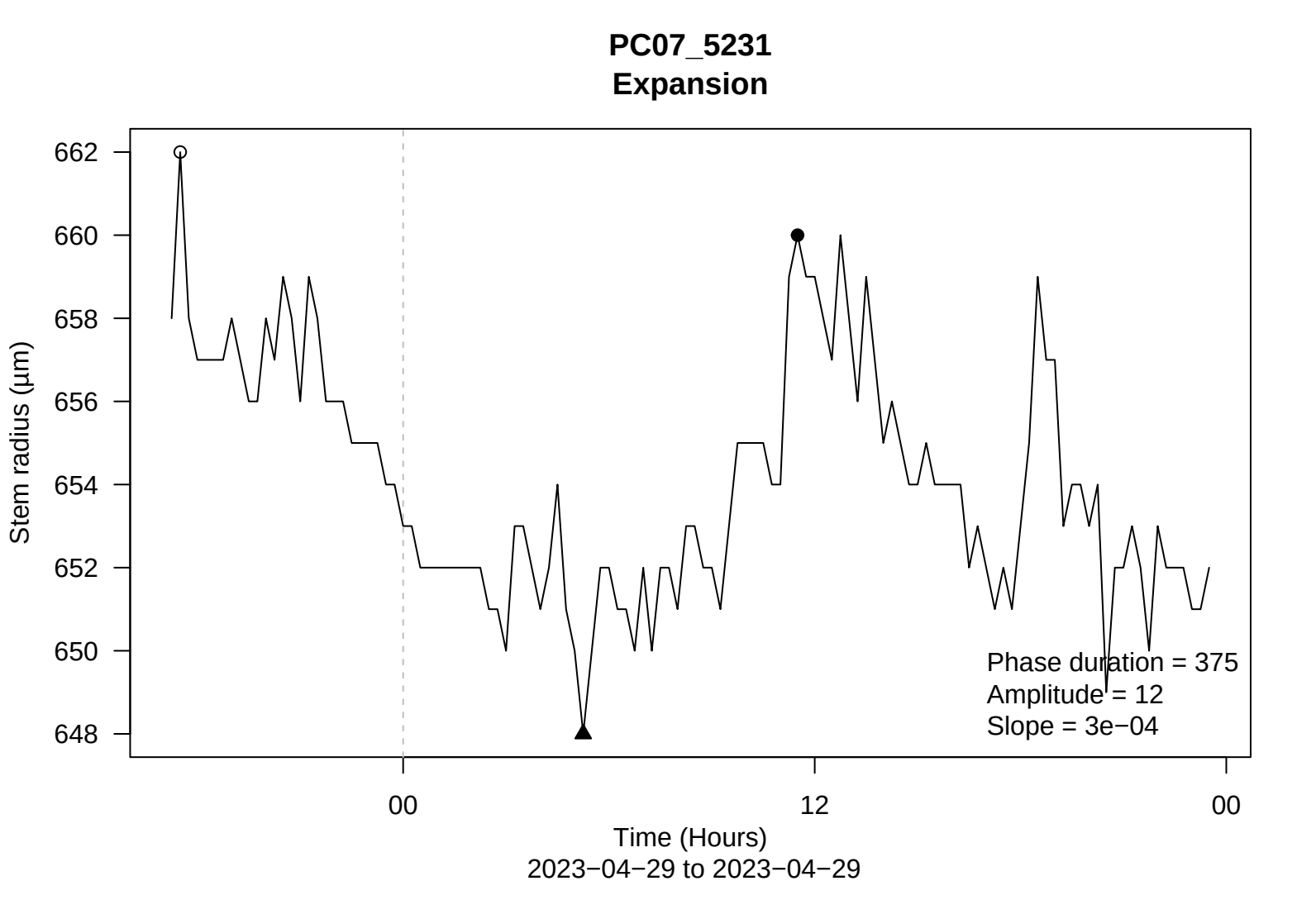

PC07_5231
Shrinkage
Stem radius (µm)
670
665
660
Phase duration = 690
Amplitude = −15
Slope = −2e−04
00
12
00
Time (Hours)
2023−04−26 to 2023−04−26

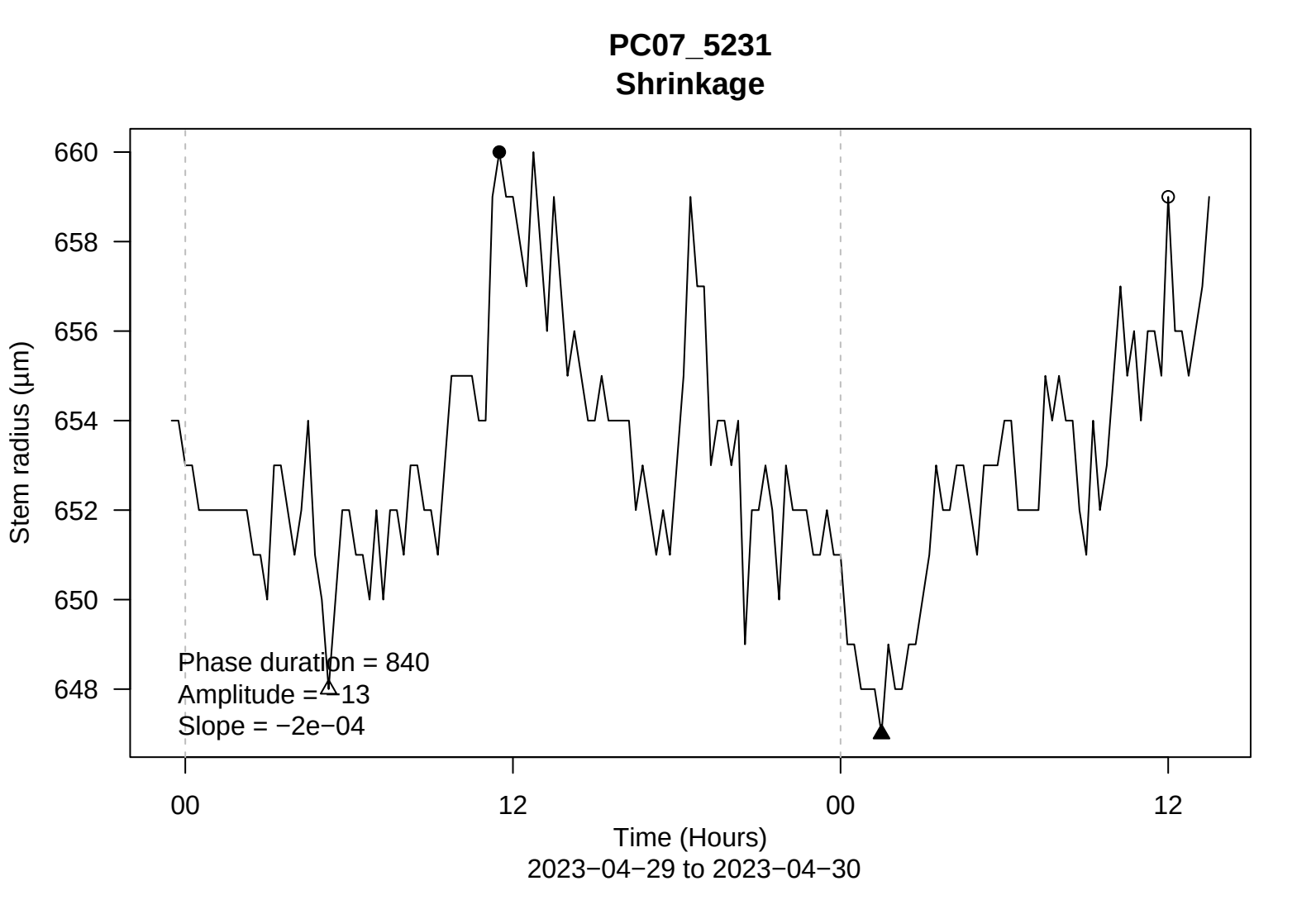

PC07_5231
Expansion
Stem radius (µm)
670
665
660
12
00
12
00
Time (Hours)
2023−04−26 to 2023−04−27
Phase duration = 840
Amplitude = 9
Slope = 1e−04

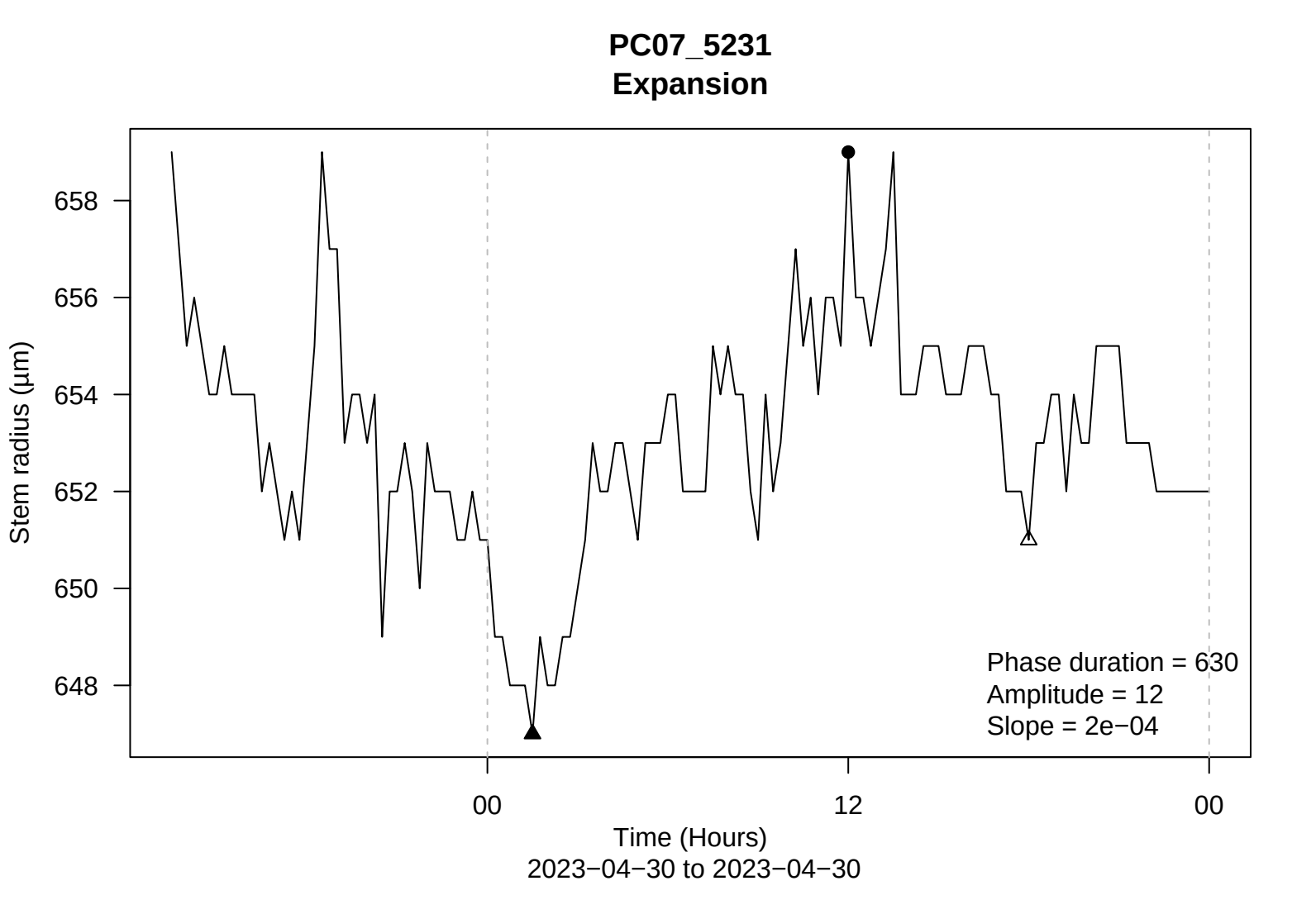

PC07_5231
Shrinkage
665
660
655
Stem radius (µm)
Phase duration = 795
Amplitude = −15
Slope = −2e−04
00
12
00
12
Time (Hours)
2023−04−27 to 2023−04−28

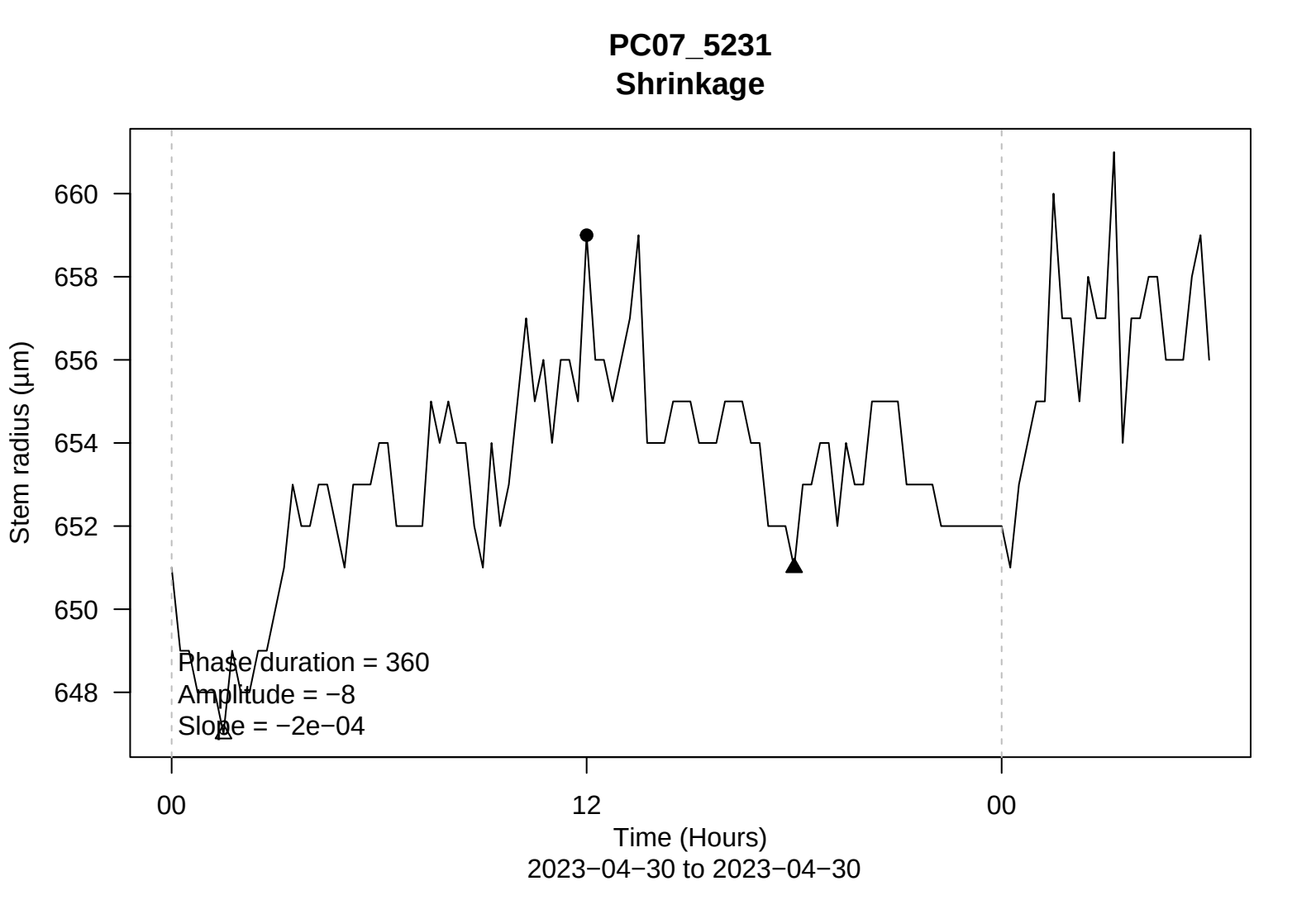

PC07_5231
Expansion
665
660
655
650
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−04−28 to 2023−04−28
Phase duration = 990
Amplitude = 10
Slope = 1e−04

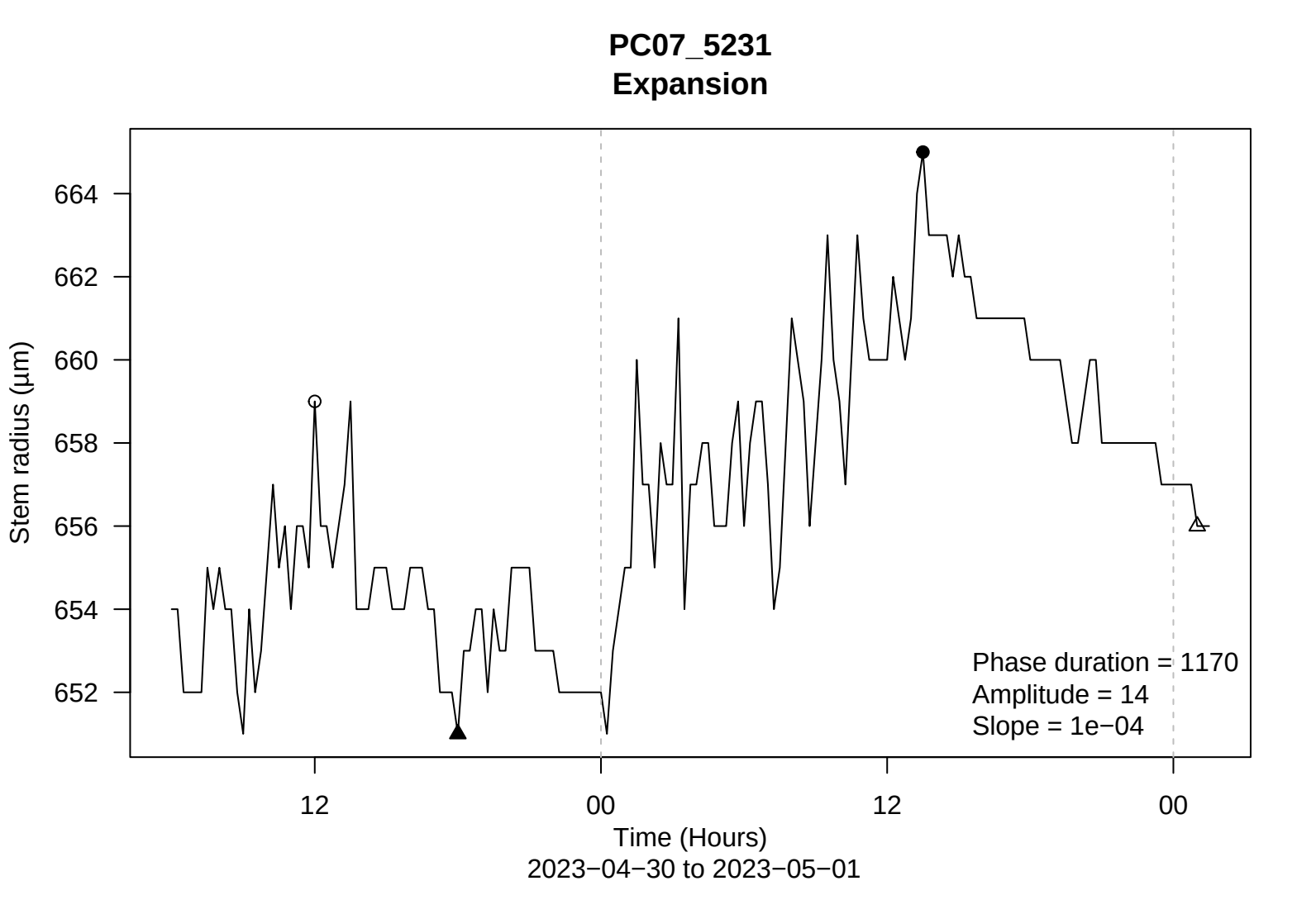

PC07_5231
Shrinkage
662
660
658
656
654
652
650
648
Stem radius (µm)
Phase duration = 705
Amplitude = −14
Slope = −2e−04
12
00
12
Time (Hours)
2023−04−28 to 2023−04−29

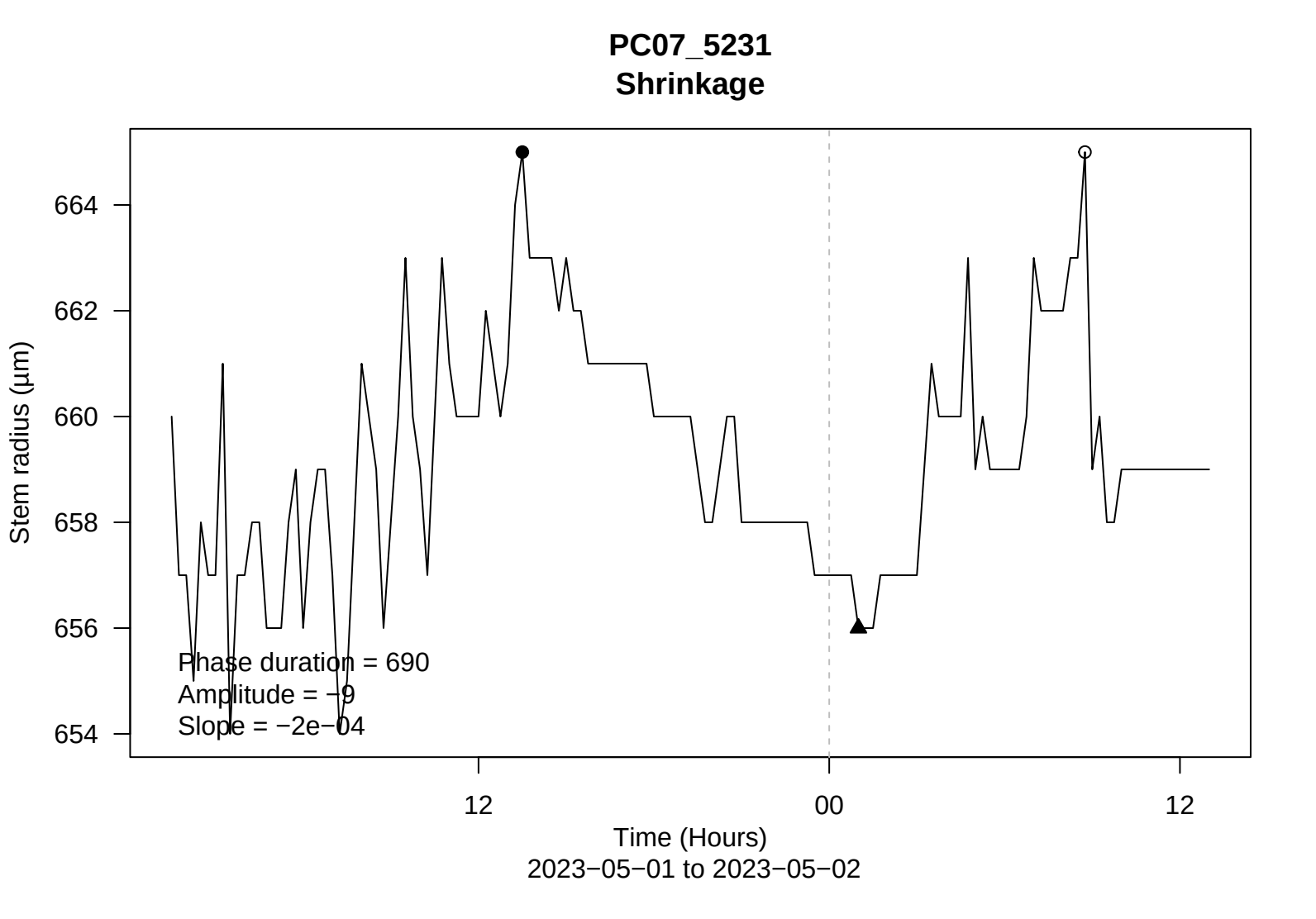

PC07_5231
Expansion
662
660
658
656
654
652
650
648
Stem radius (µm)
00
12
00
Time (Hours)
2023−04−29 to 2023−04−29
Phase duration = 375
Amplitude = 12
Slope = 3e−04

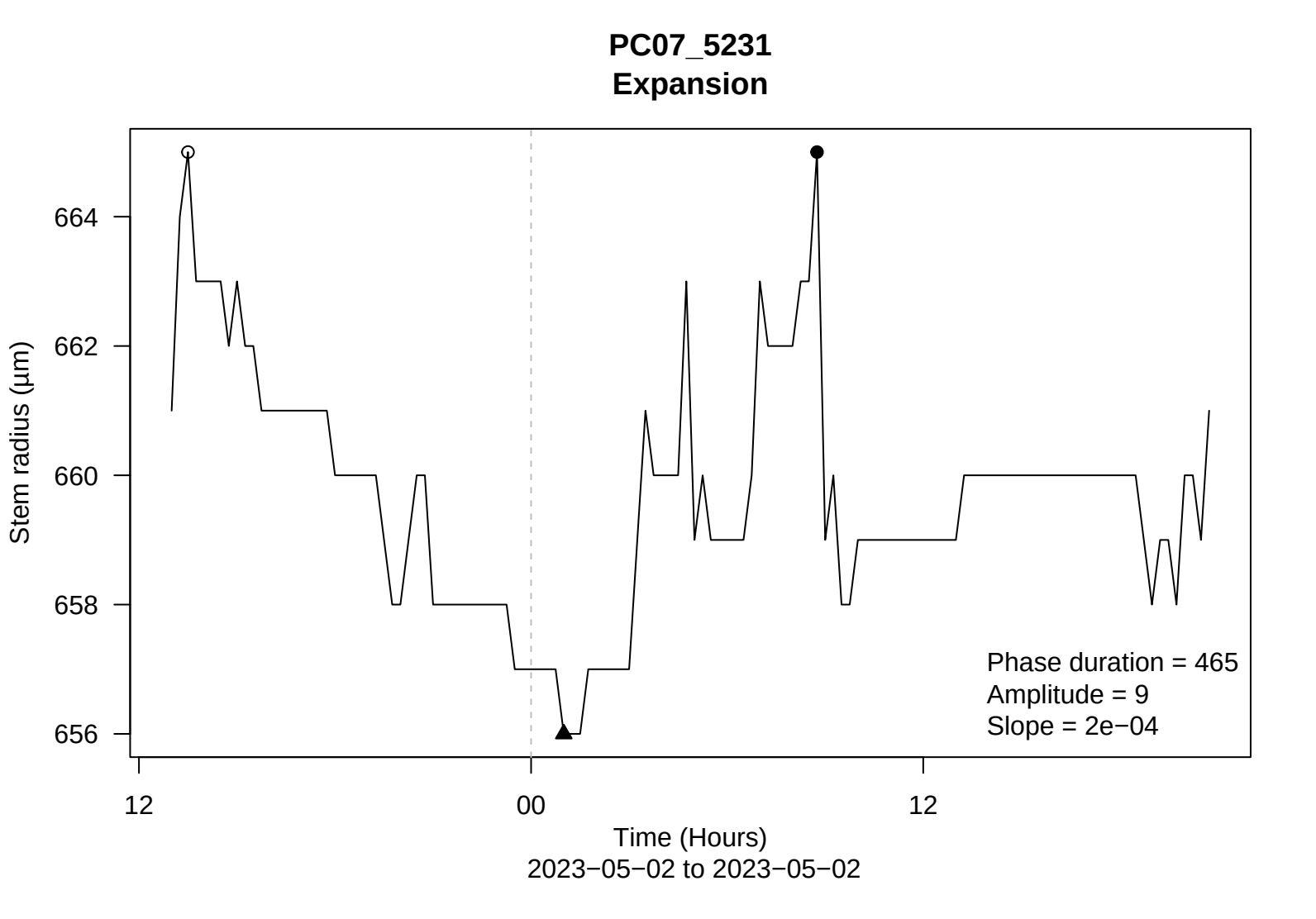

PC07_5231
Shrinkage
660
658
656
654
652
650
648
Stem radius (µm)
Phase duration = 840
Amplitude = 13
Slope = −2e−04
00
12
00
12
Time (Hours)
2023−04−29 to 2023−04−30

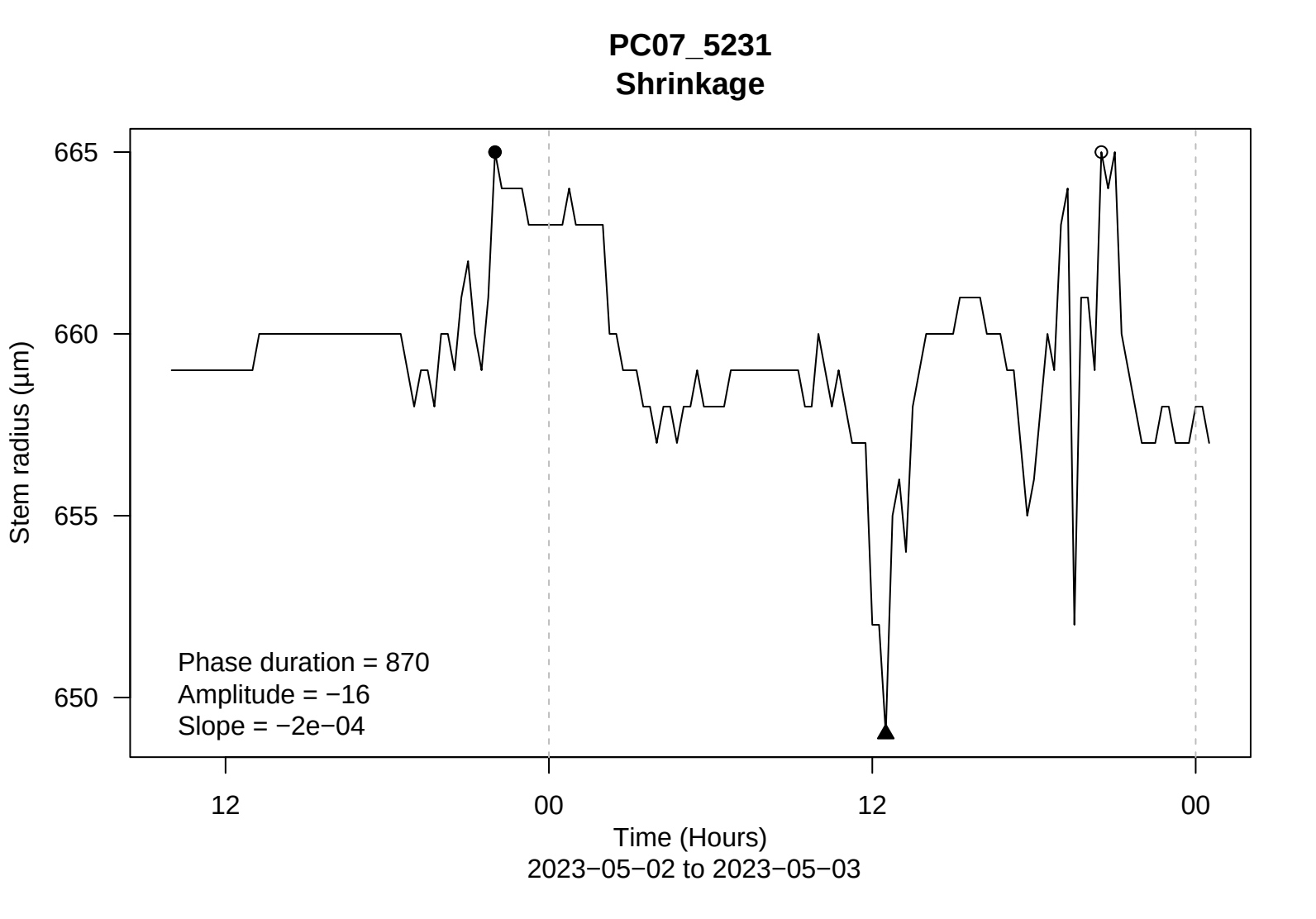

PC07_5231
Expansion
Stem radius (µm)
658
656
654
652
650
648
00
12
00
Time (Hours)
2023−04−30 to 2023−04−30
Phase duration = 630
Amplitude = 12
Slope = 2e−04

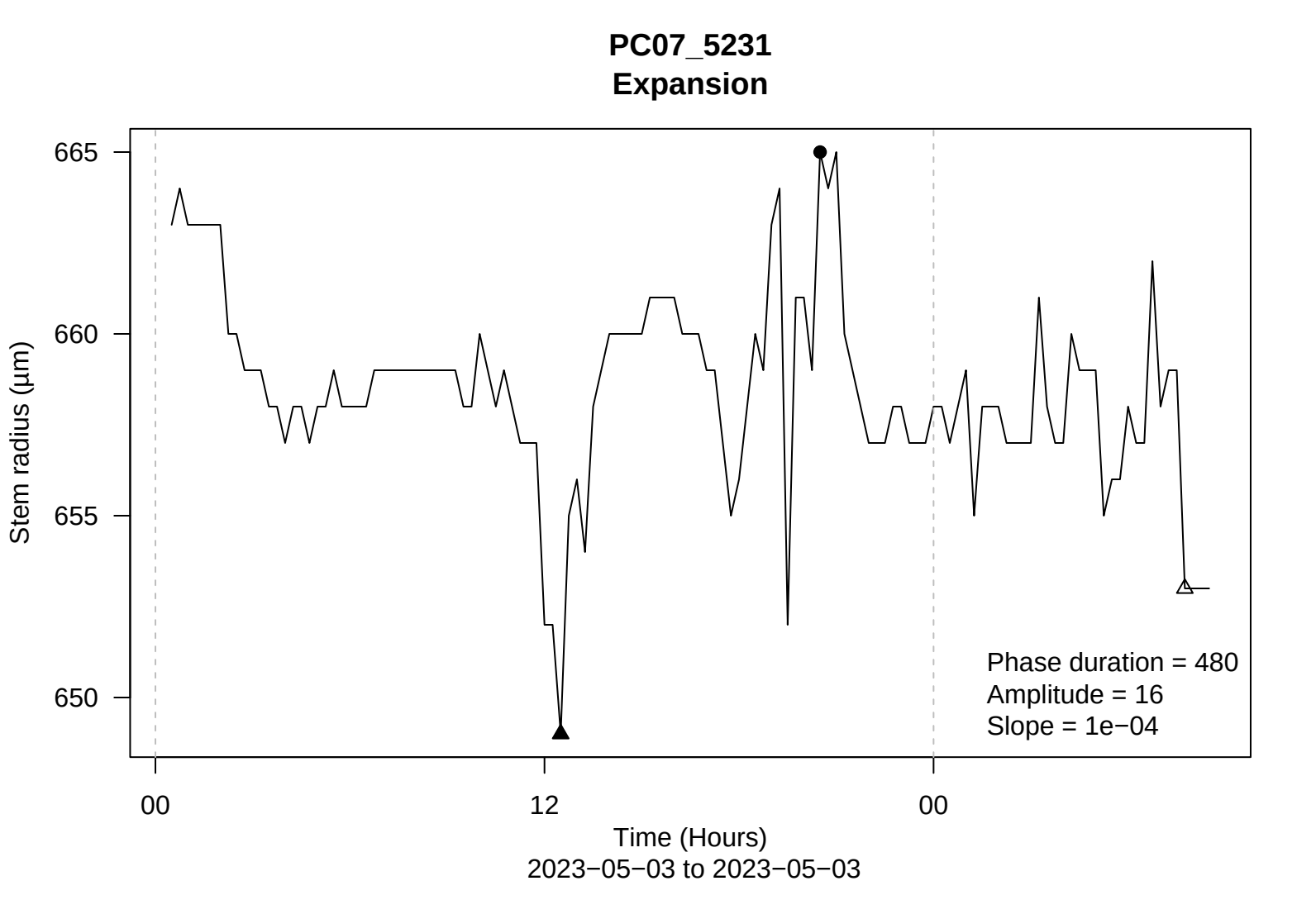

PC07_5231
Shrinkage
Stem radius (µm)
660
658
656
654
652
650
648
Phase/duration = 360
Amplitude = −8
Slope = −2e−04
00
12
00
Time (Hours)
2023−04−30 to 2023−04−30

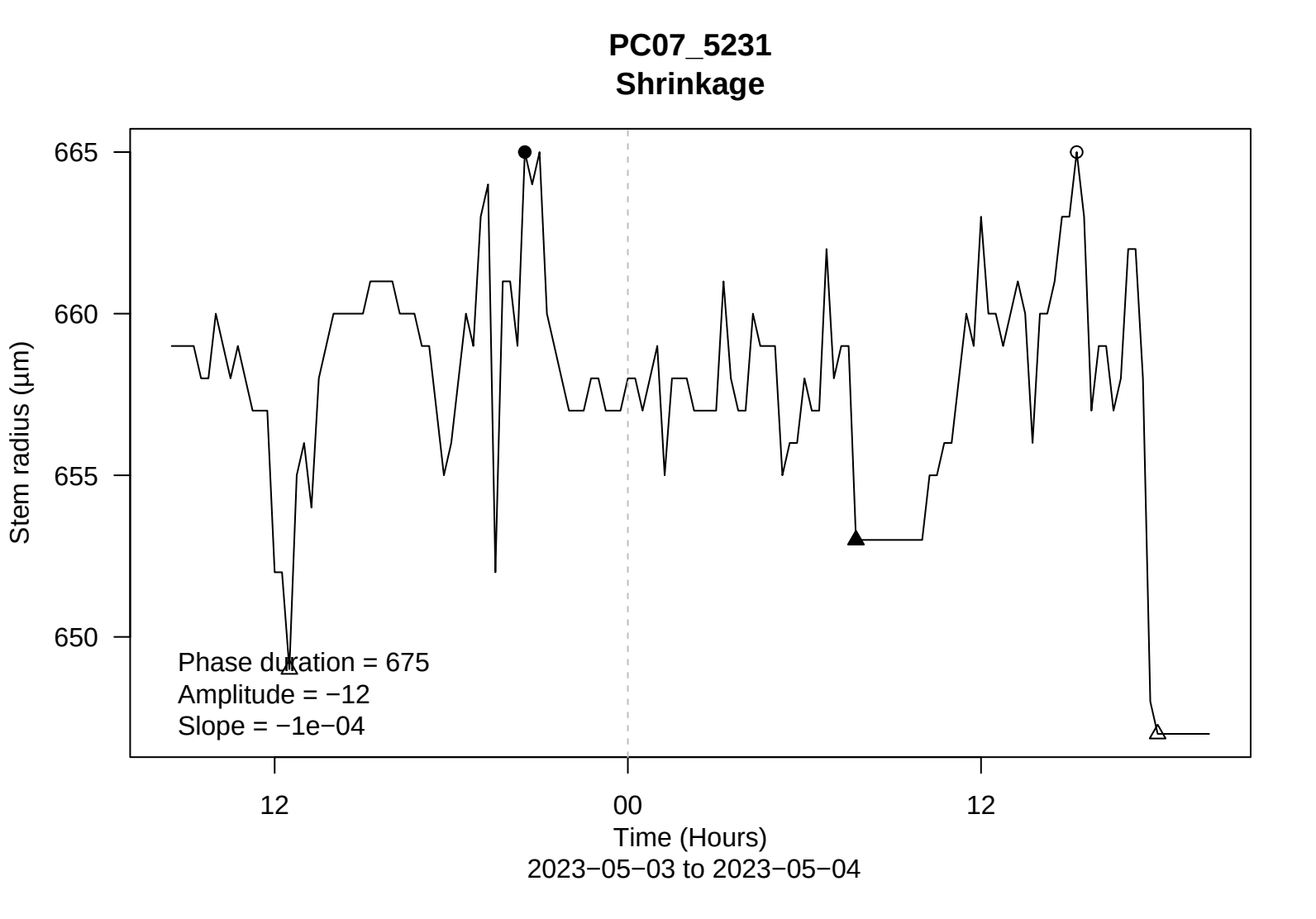

PC07_5231
Expansion
Stem radius (µm)
664
662
660
658
656
654
652
12
00
12
00
Time (Hours)
2023−04−30 to 2023−05−01
Phase duration = 1170
Amplitude = 14
Slope = 1e−04

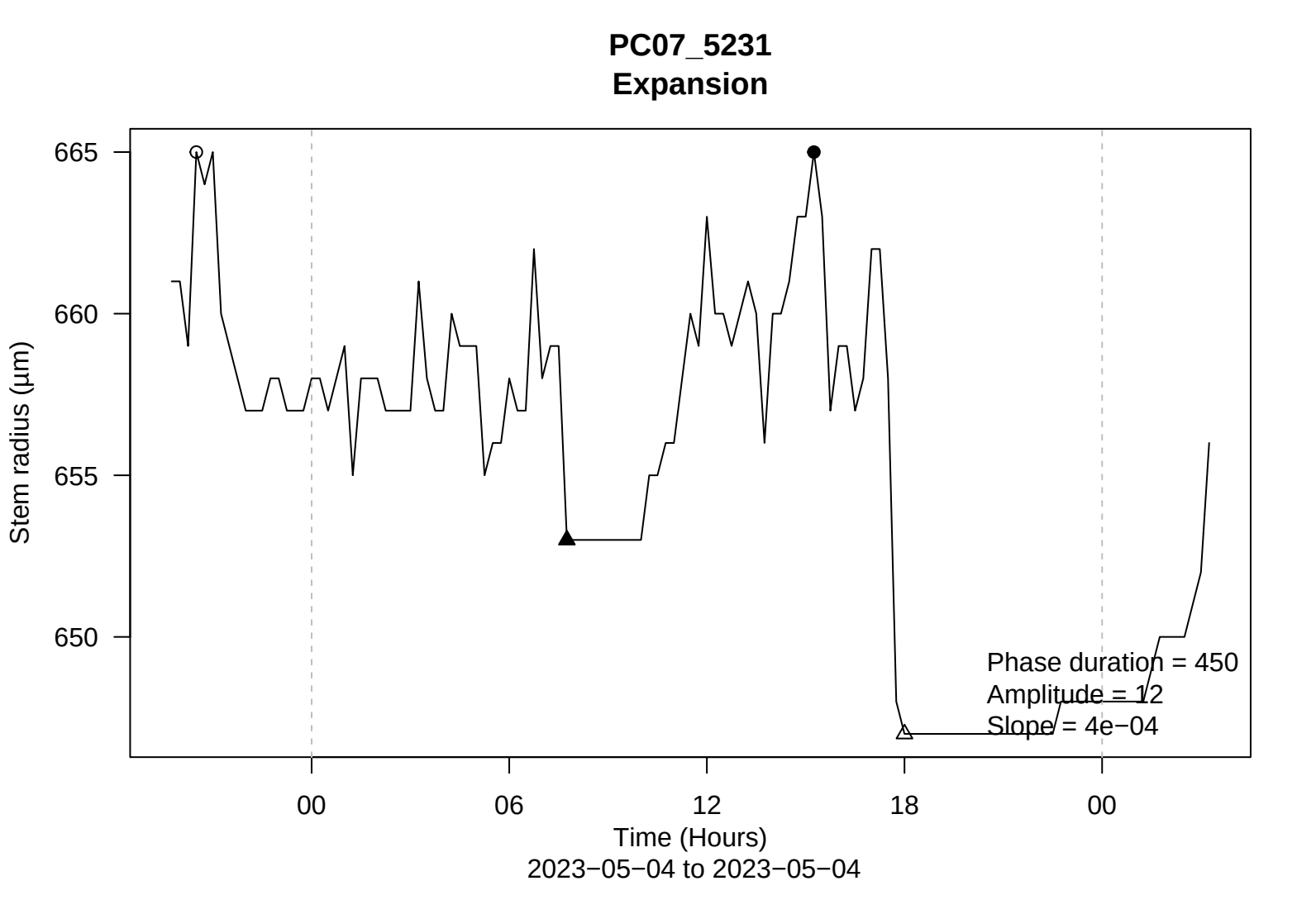

PC07_5231
Shrinkage
Stem radius (µm)
664
662
660
658
656
654
Phase duration = 690
Amplitude = −9
Slope = −2e−04
12
00
12
Time (Hours)
2023−05−01 to 2023−05−02

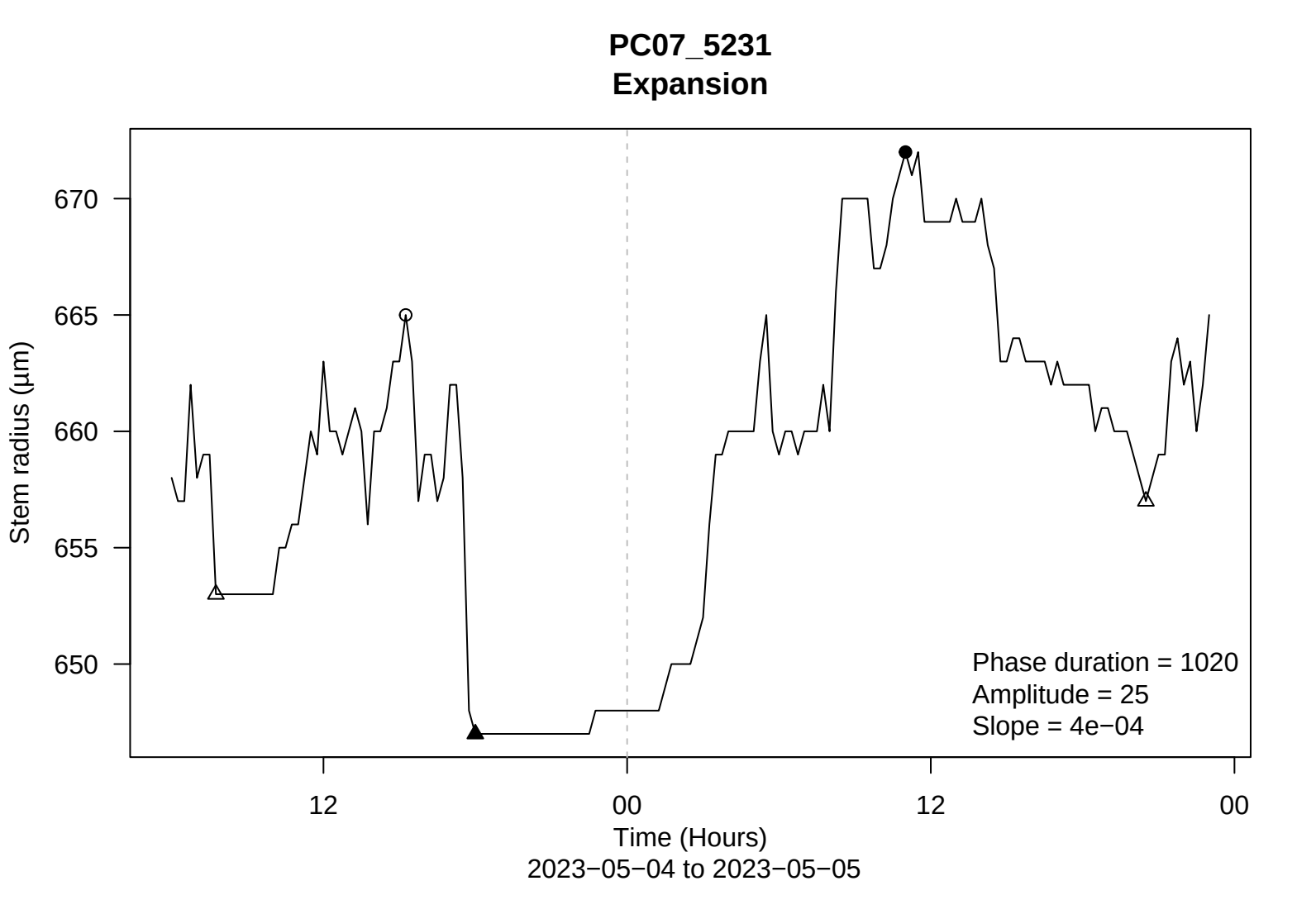

PC07_5231
Expansion
664
662
660
658
656
Stem radius (µm)
12
00
12
Time (Hours)
2023−05−02 to 2023−05−02
Phase duration = 465
Amplitude = 9
Slope = 2e−04

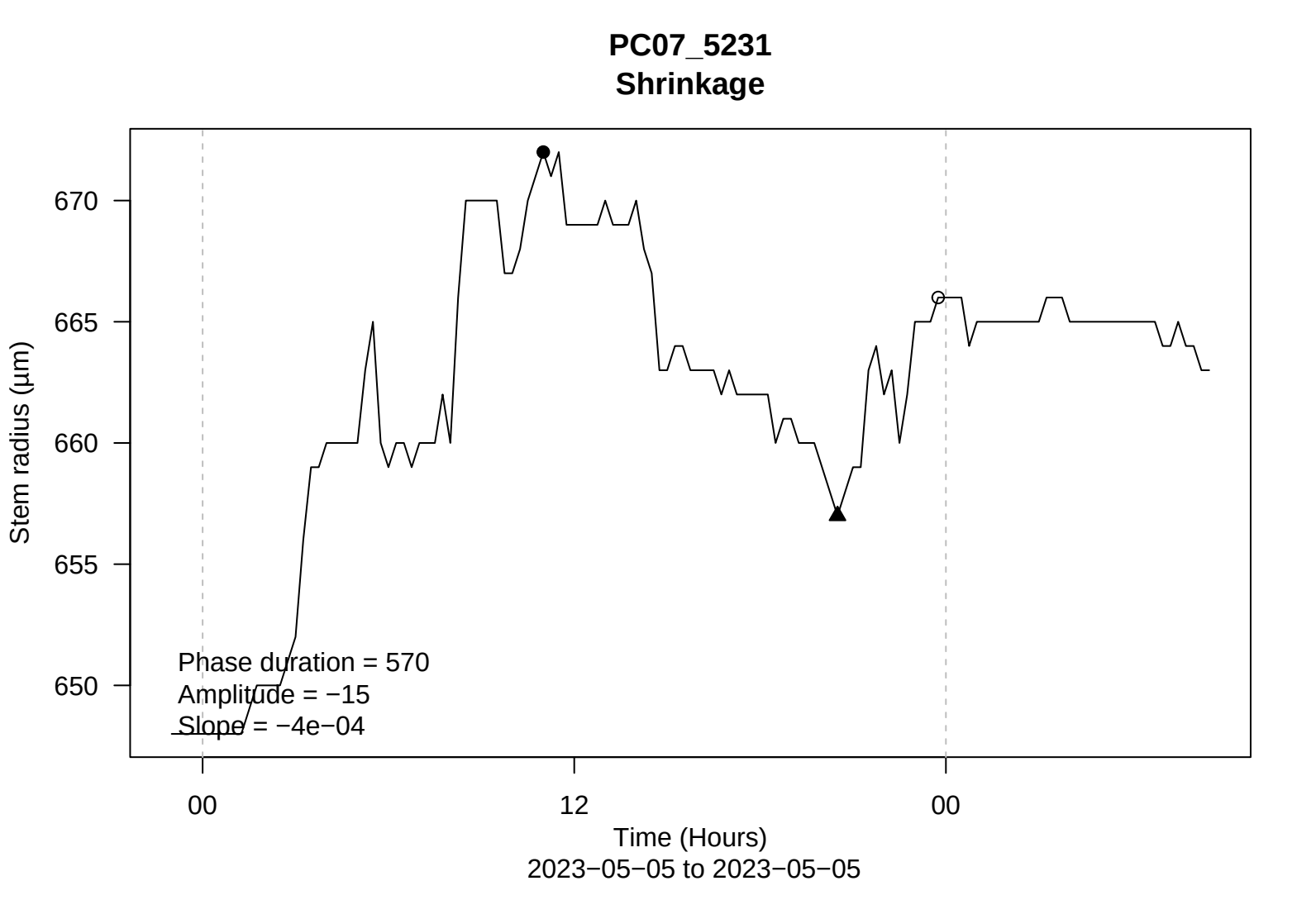

PC07_5231
Shrinkage
665
660
655
650
Stem radius (µm)
Phase duration = 870
Amplitude = −16
Slope = −2e−04
12
00
12
00
Time (Hours)
2023−05−02 to 2023−05−03

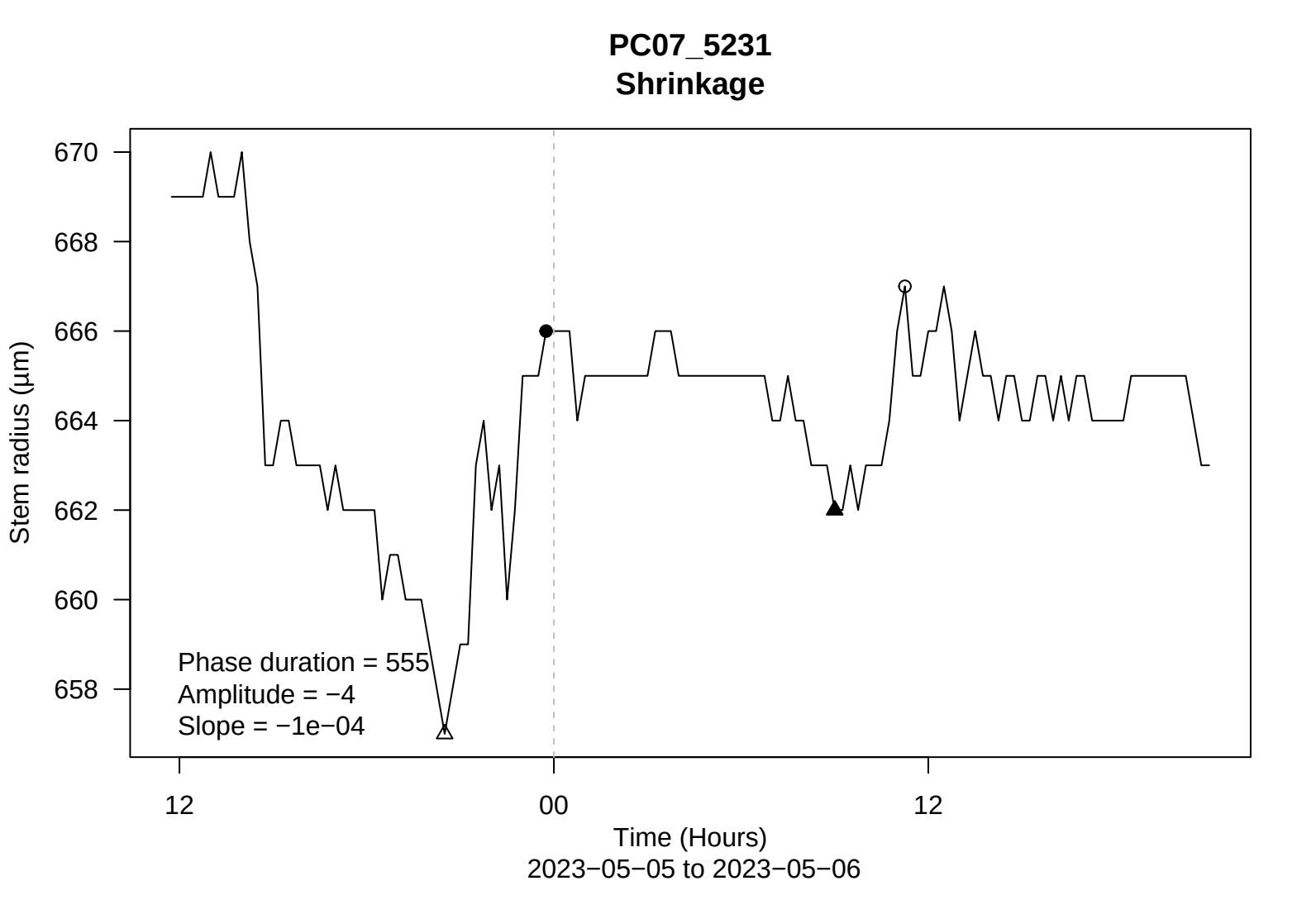

PC07_5231
Expansion
665
660
655
650
Stem radius (µm)
00
12
00
Time (Hours)
2023−05−03 to 2023−05−03
Phase duration = 480
Amplitude = 16
Slope = 1e−04

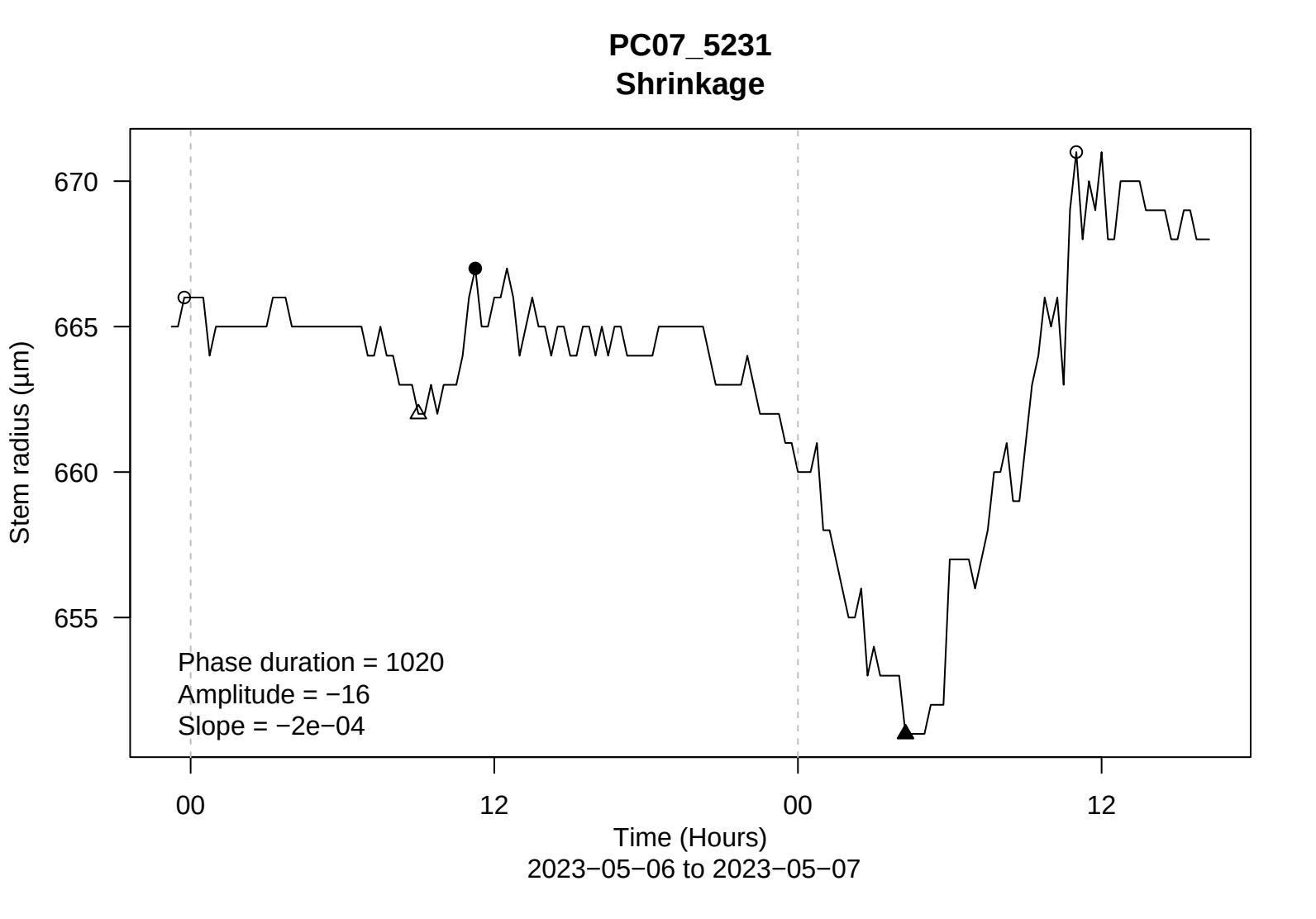

PC07_5231
Shrinkage
665
660
655
650
Stem radius (µm)
Phase duration = 675
Amplitude = −12
Slope = −1e−04
12
00
12
Time (Hours)
2023−05−03 to 2023−05−04

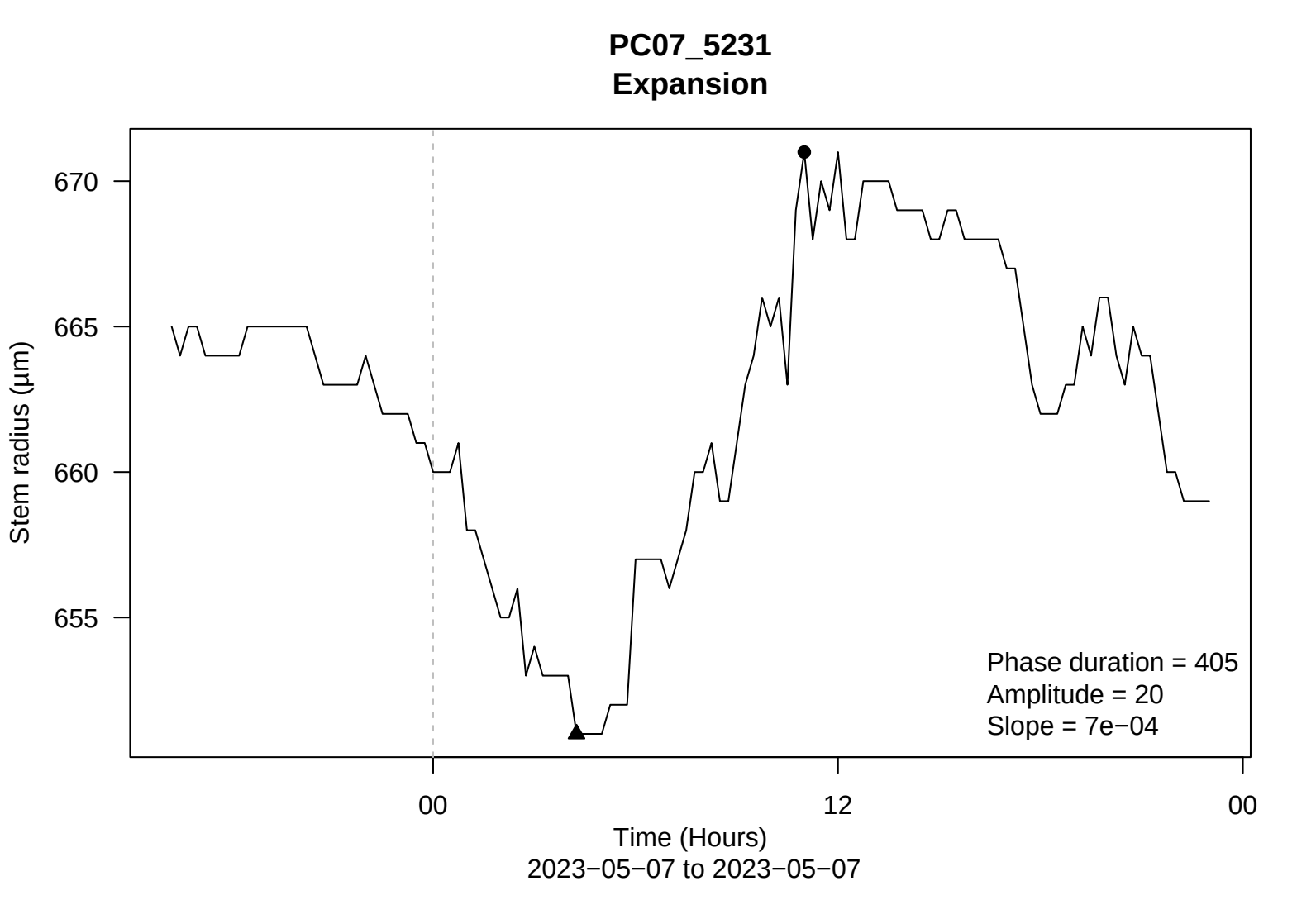

PC07_5231
Expansion
665
660
655
650
Stem radius (µm)
00
06
12
18
00
Time (Hours)
2023−05−04 to 2023−05−04
Phase duration = 450
Amplitude = 12
Slope = 4e−04

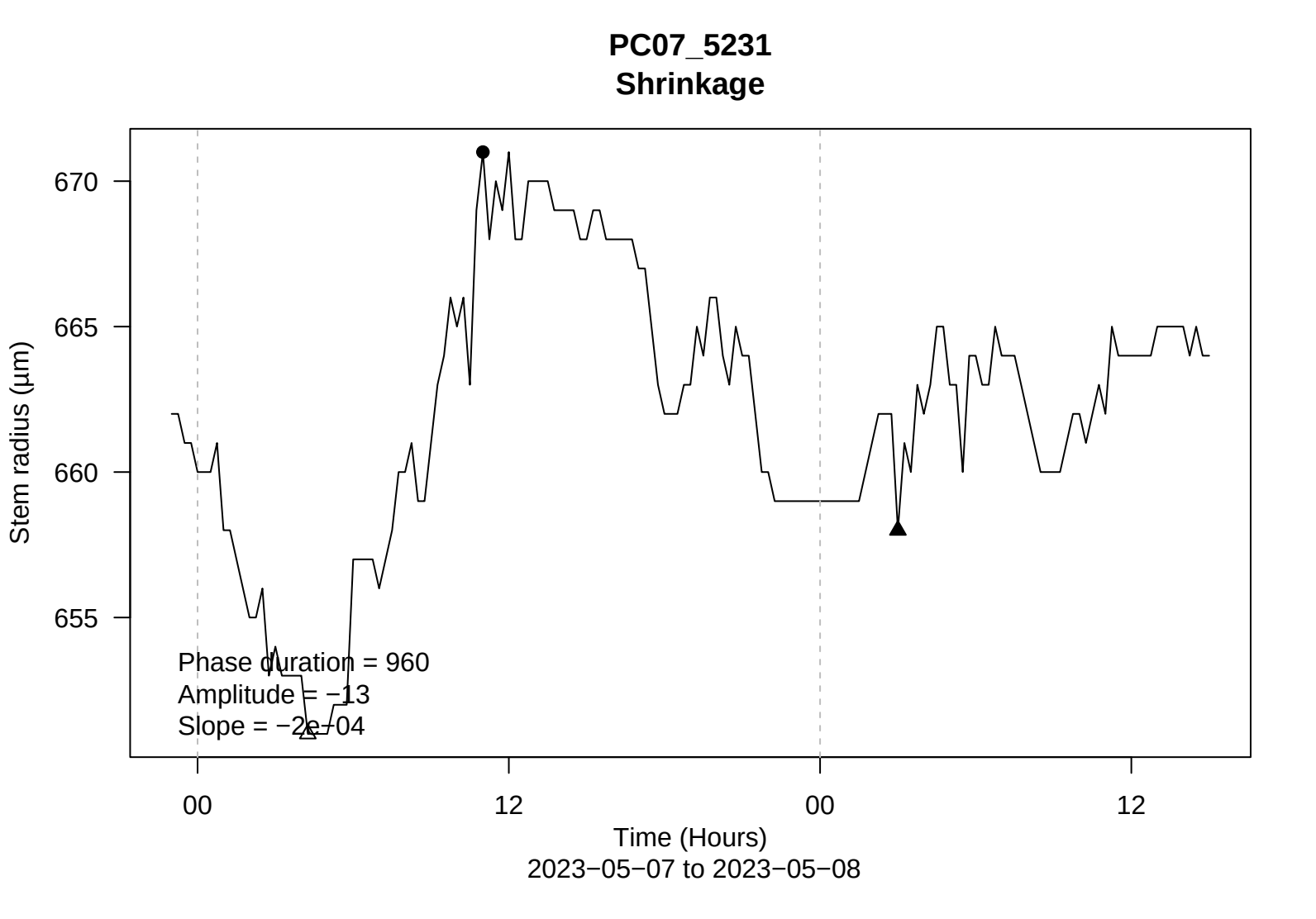

PC07_5231
Expansion
Stem radius (µm)
670
665
660
655
650
12
00
12
00
Time (Hours)
2023−05−04 to 2023−05−05
Phase duration = 1020
Amplitude = 25
Slope = 4e−04

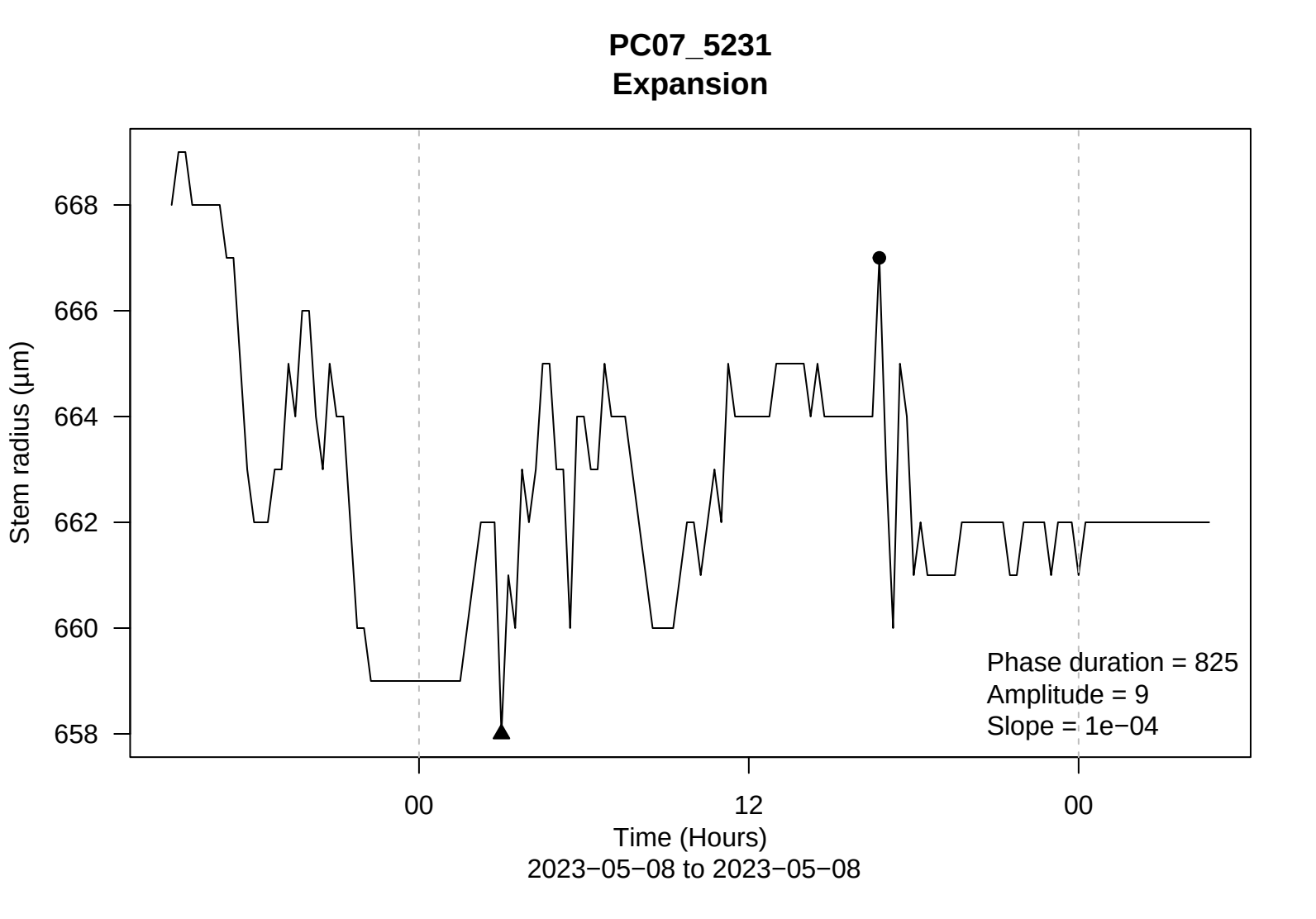

PC07_5231
Shrinkage
Stem radius (µm)
670
665
660
655
650
Phase duration = 570
Amplitude = −15
Slope = −4e−04
00
12
00
Time (Hours)
2023−05−05 to 2023−05−05

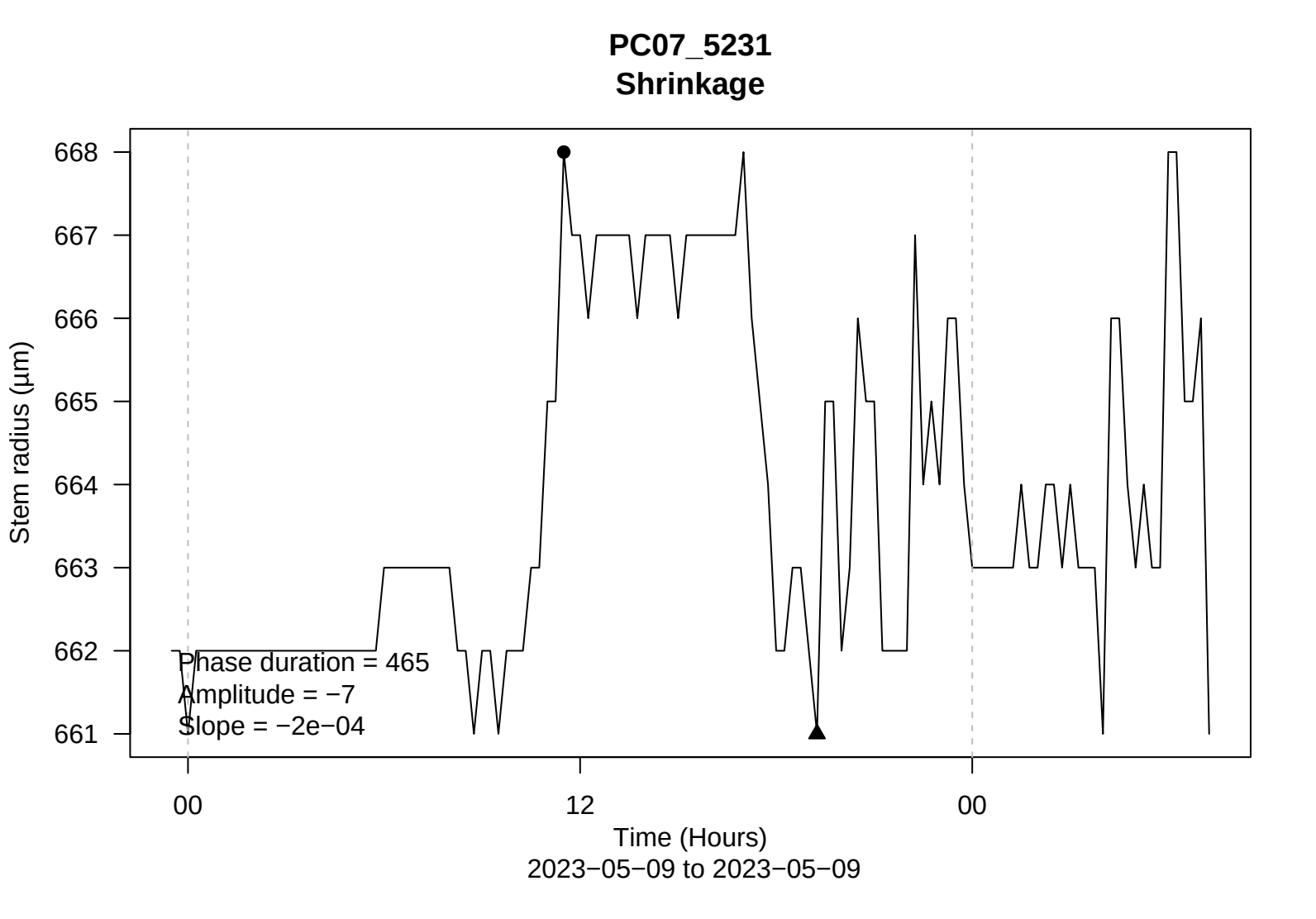

PC07_5231
Shrinkage
670
668
666
664
662
660
658
Stem radius (µm)
Phase duration = 555
Amplitude = −4
Slope = −1e−04
12
00
12
Time (Hours)
2023−05−05 to 2023−05−06

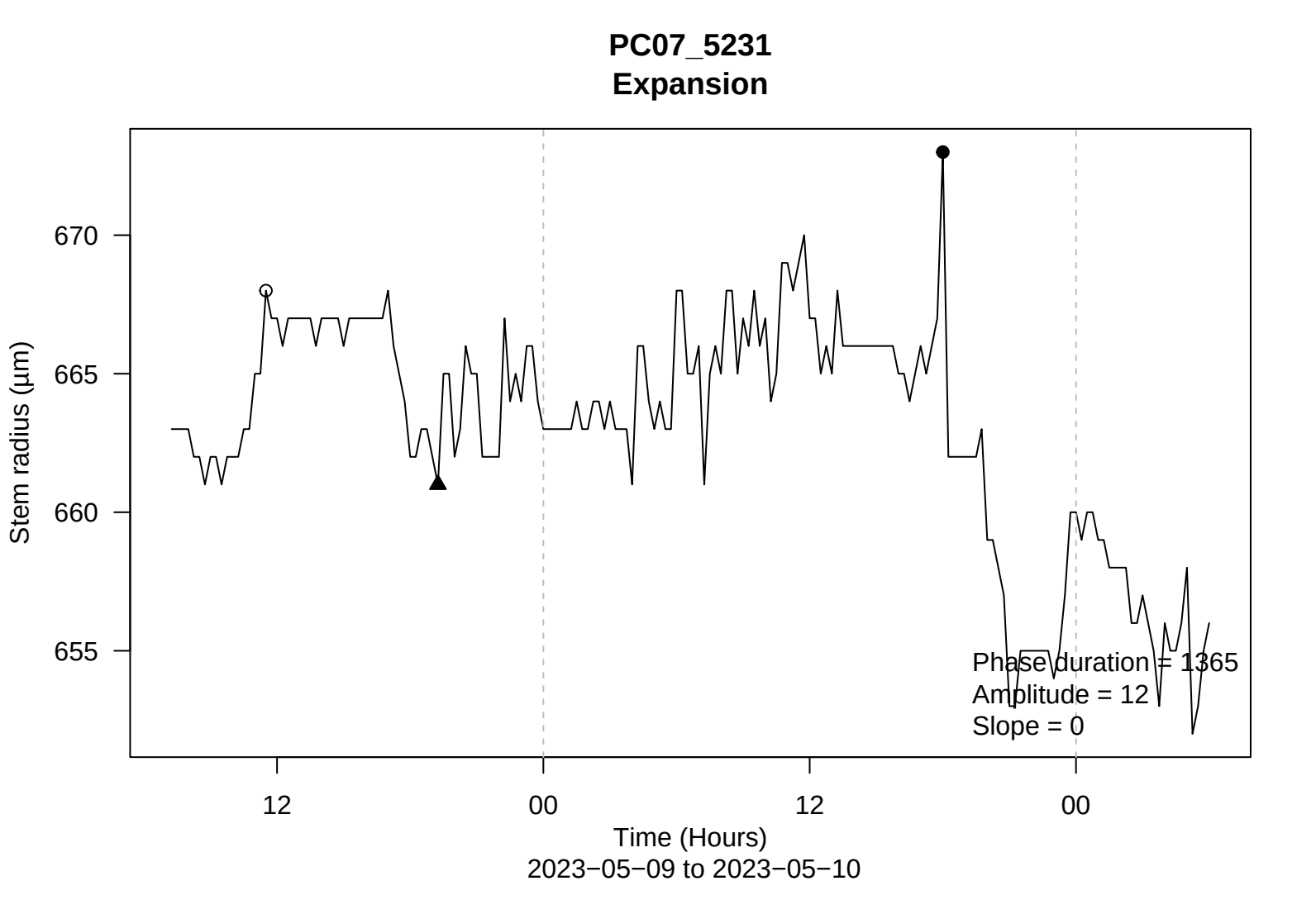

PC07_5231
Shrinkage
670
665
660
655
Stem radius (µm)
Phase duration = 1020
Amplitude = −16
Slope = −2e−04
00
12
00
12
Time (Hours)
2023−05−06 to 2023−05−07

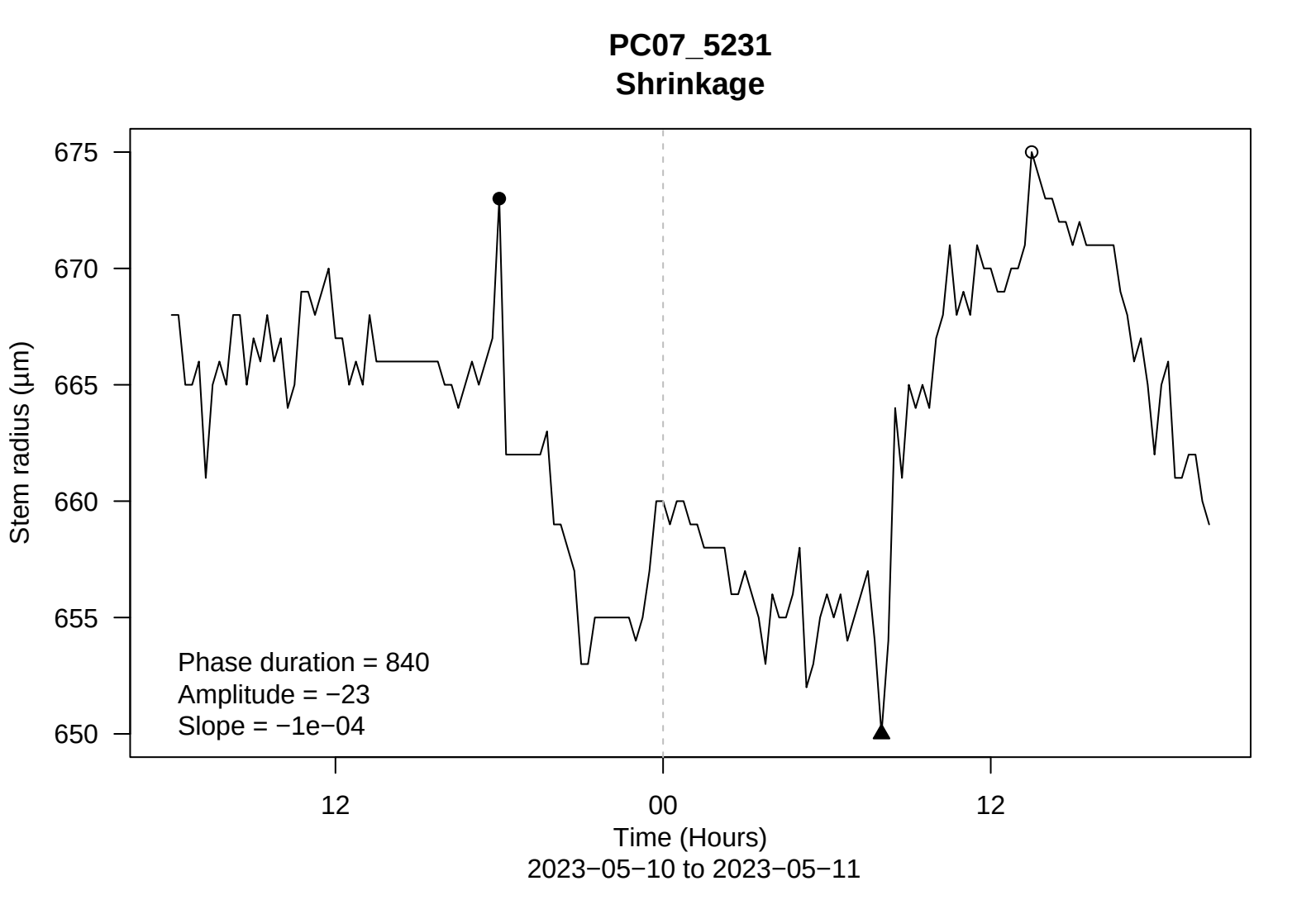

PC07_5231
Expansion
670
665
660
655
Stem radius (µm)
Phase duration = 405
Amplitude = 20
Slope = 7e−04
00
12
00
Time (Hours)
2023−05−07 to 2023−05−07

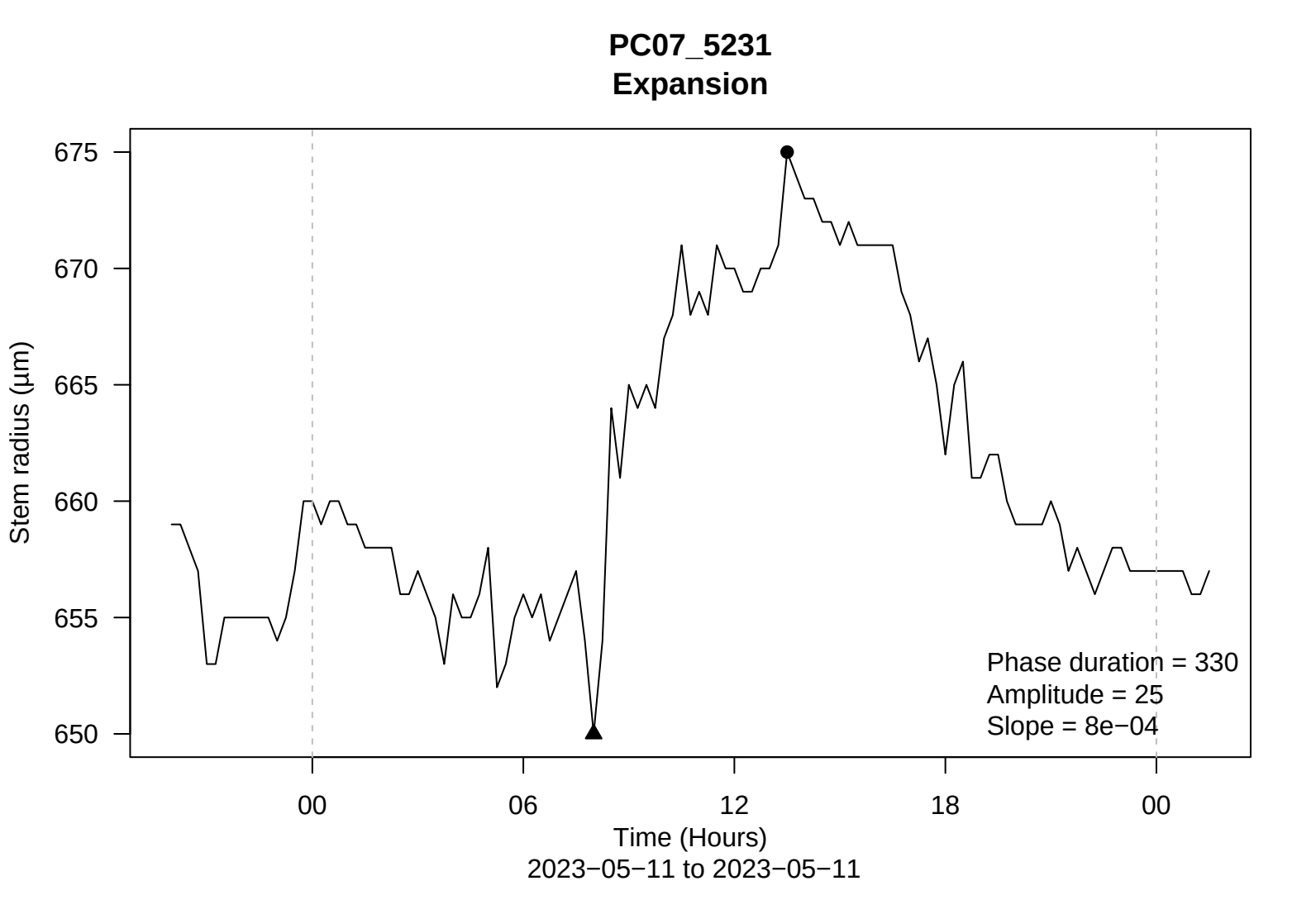

PC07_5231
Shrinkage
670
665
660
655
Stem radius (µm)
Phase duration = 960
Amplitude = −13
Slope = −2e−04
00
12
00
12
Time (Hours)
2023−05−07 to 2023−05−08

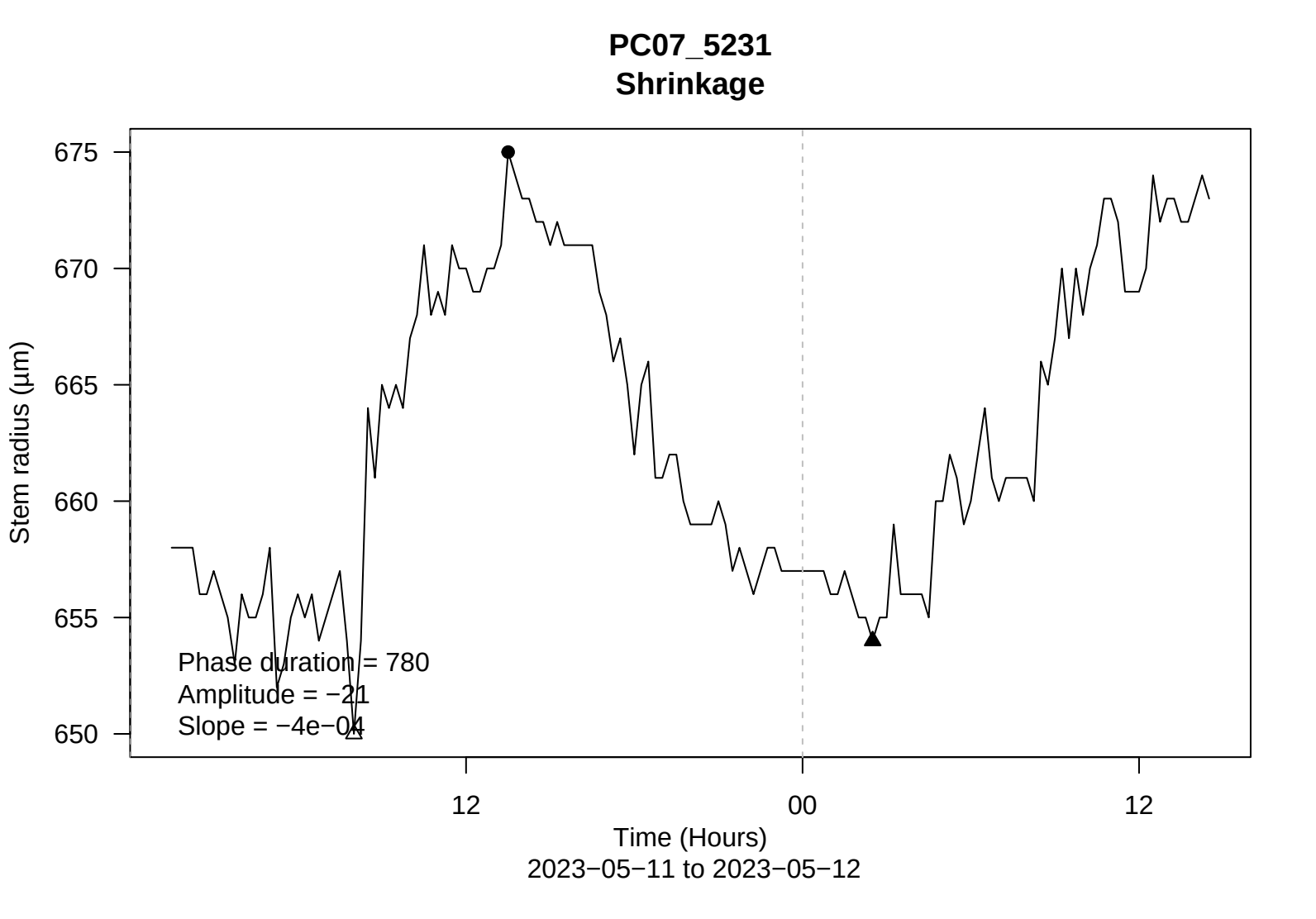

PC07_5231
Expansion
668
666
664
662
660
658
Stem radius (µm)
00
12
00
Time (Hours)
2023−05−08 to 2023−05−08
Phase duration = 825
Amplitude = 9
Slope = 1e−04

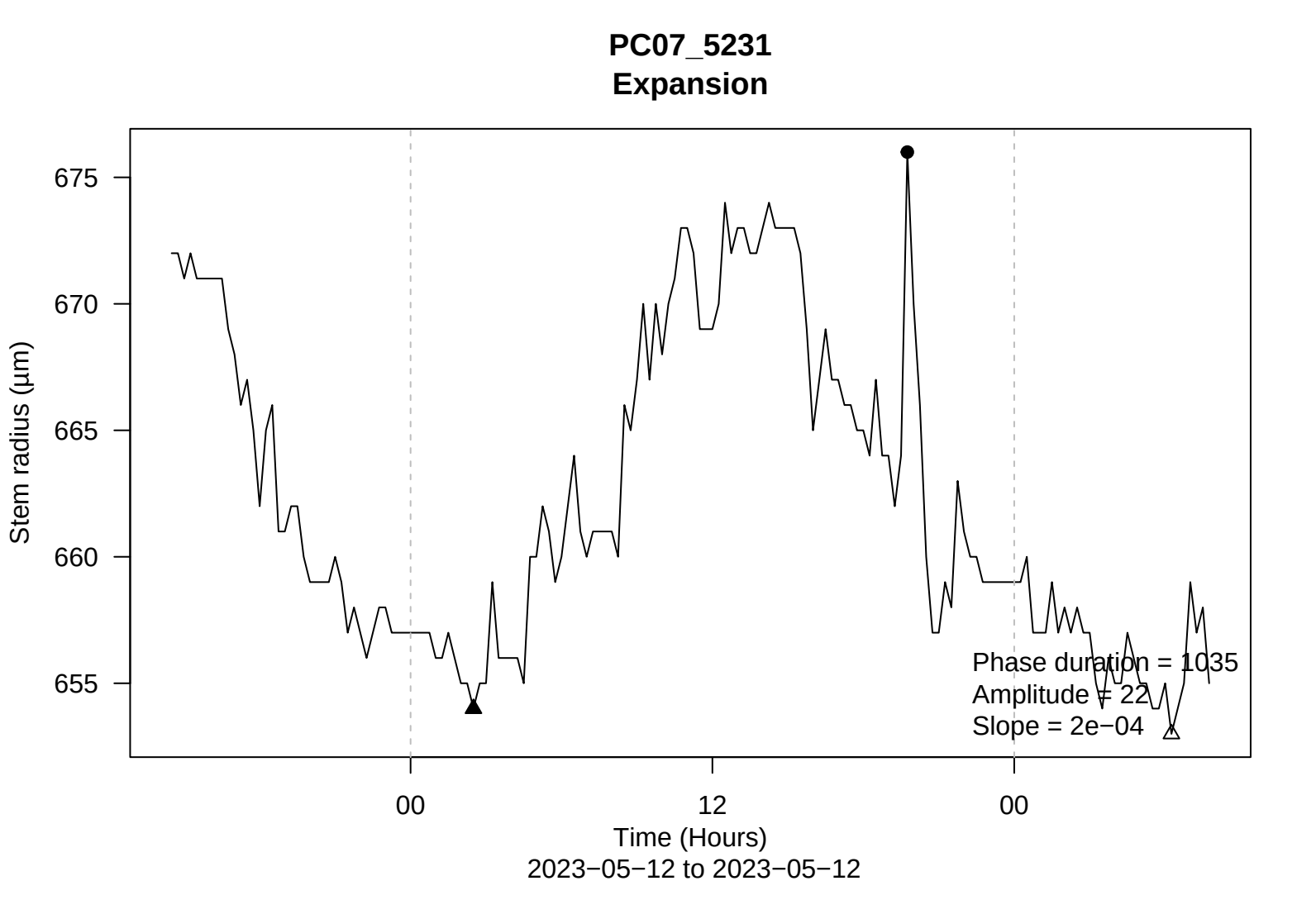

PC07_5231
Shrinkage
668
667
666
665
664
663
662
661
Stem radius (µm)
Phase duration = 465
Amplitude = −7
Slope = −2e−04
00
12
00
Time (Hours)
2023−05−09 to 2023−05−09

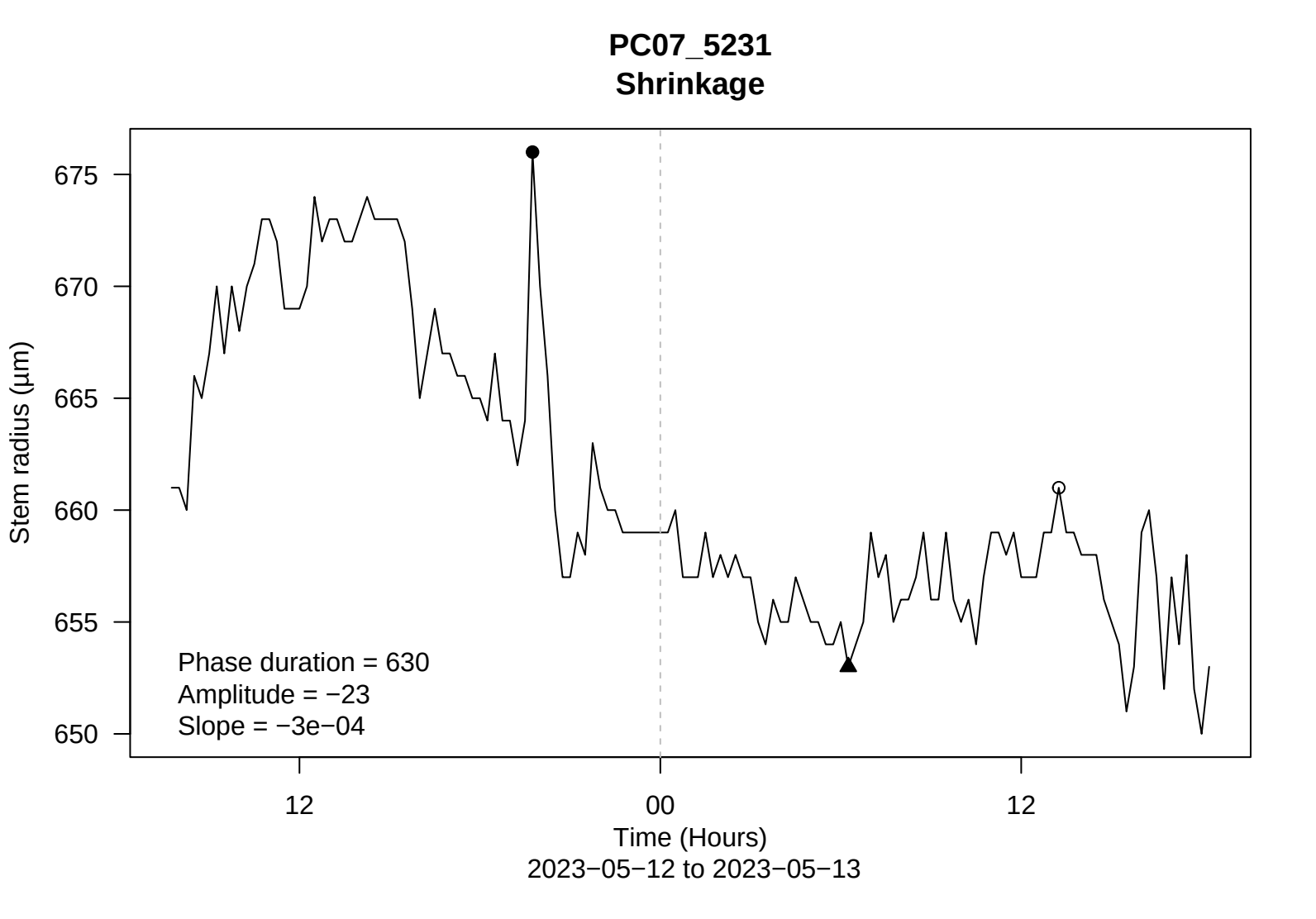

PC07_5231
Expansion
Stem radius (µm)
670
665
660
655
Phase duration = 1365
Amplitude = 12
Slope = 0
12
00
12
00
Time (Hours)
2023−05−09 to 2023−05−10

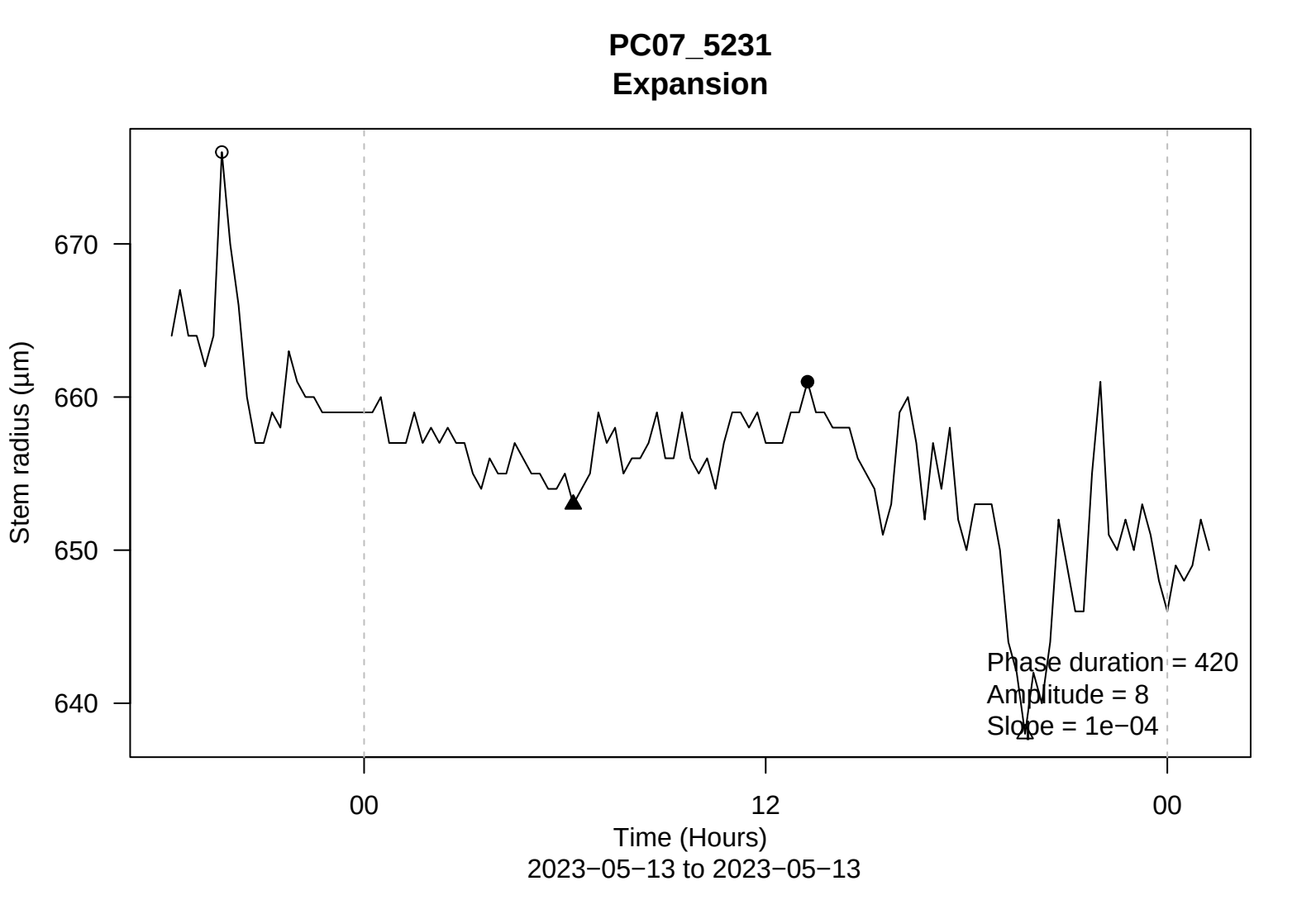

PC07_5231
Shrinkage
675
670
665
660
655
650
Stem radius (µm)
Phase duration = 840
Amplitude = −23
Slope = −1e−04
12
00
12
Time (Hours)
2023−05−10 to 2023−05−11

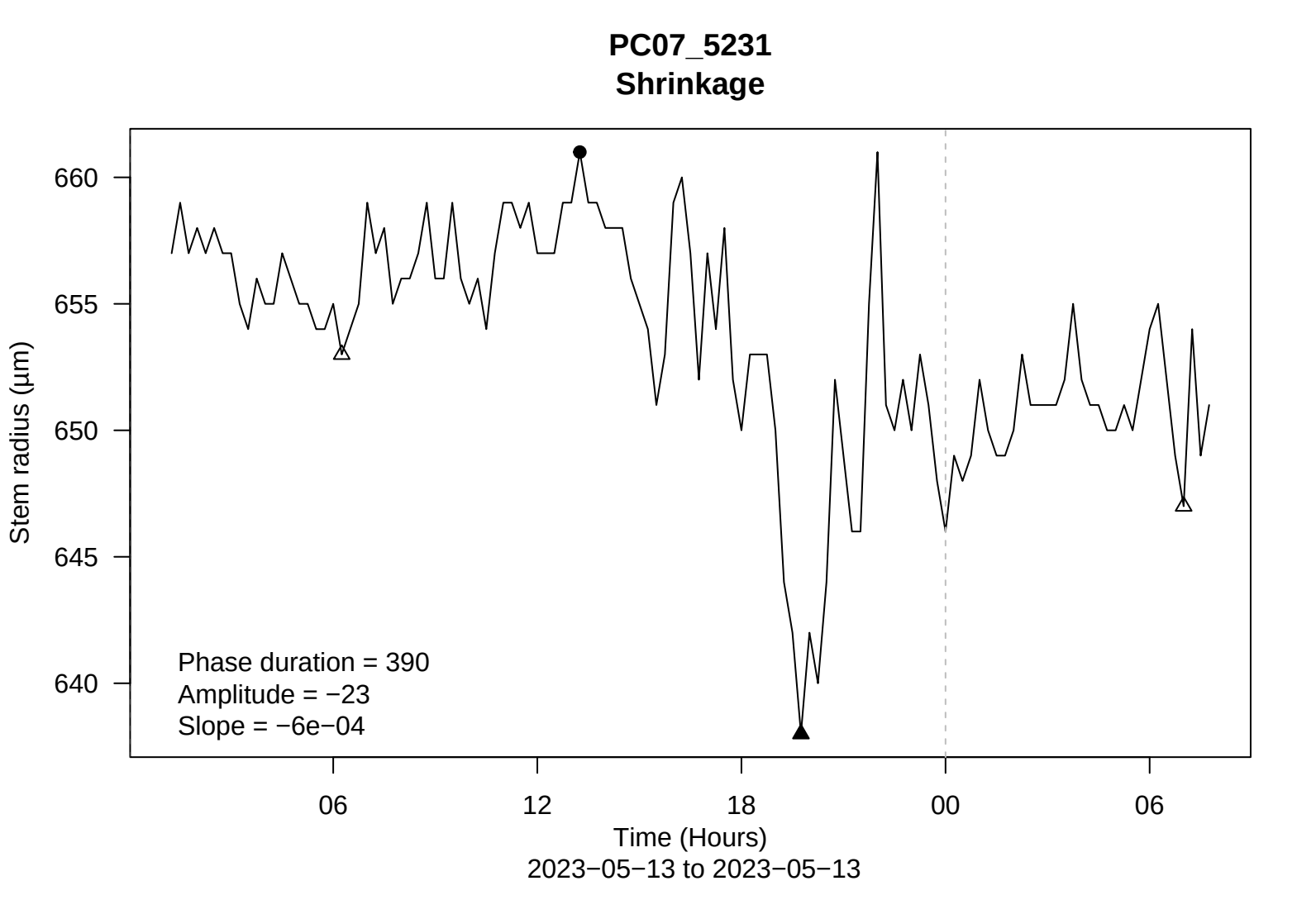

PC07_5231
Expansion
675
670
665
660
655
650
Stem radius (µm)
00
06
12
18
00
Time (Hours)
2023−05−11 to 2023−05−11
Phase duration = 330
Amplitude = 25
Slope = 8e−04

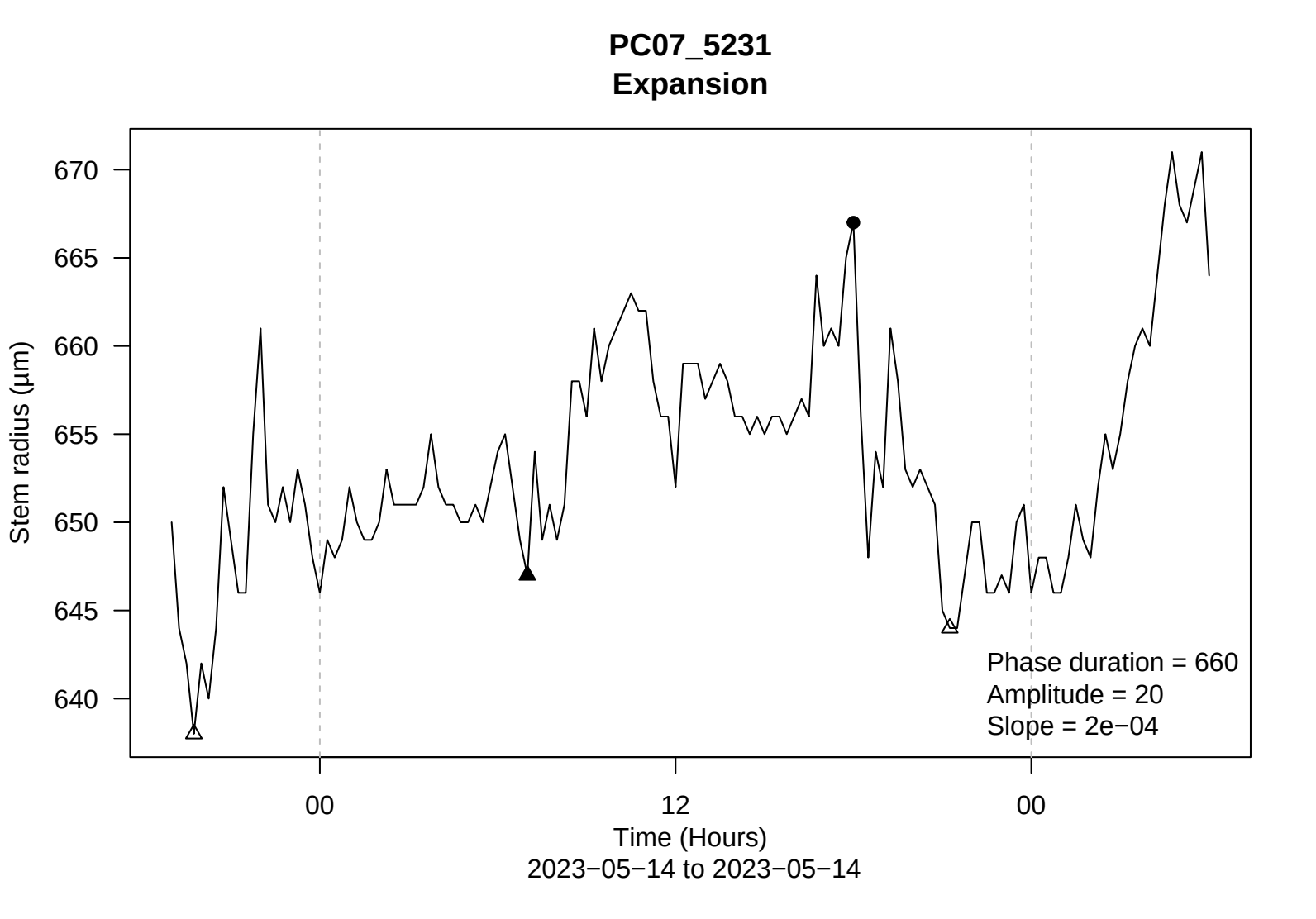

PC07_5231
Shrinkage
675
670
665
660
655
650
Stem radius (µm)
Phase duration = 780
Amplitude = −21
Slope = −4e−04
12
00
12
Time (Hours)
2023−05−11 to 2023−05−12

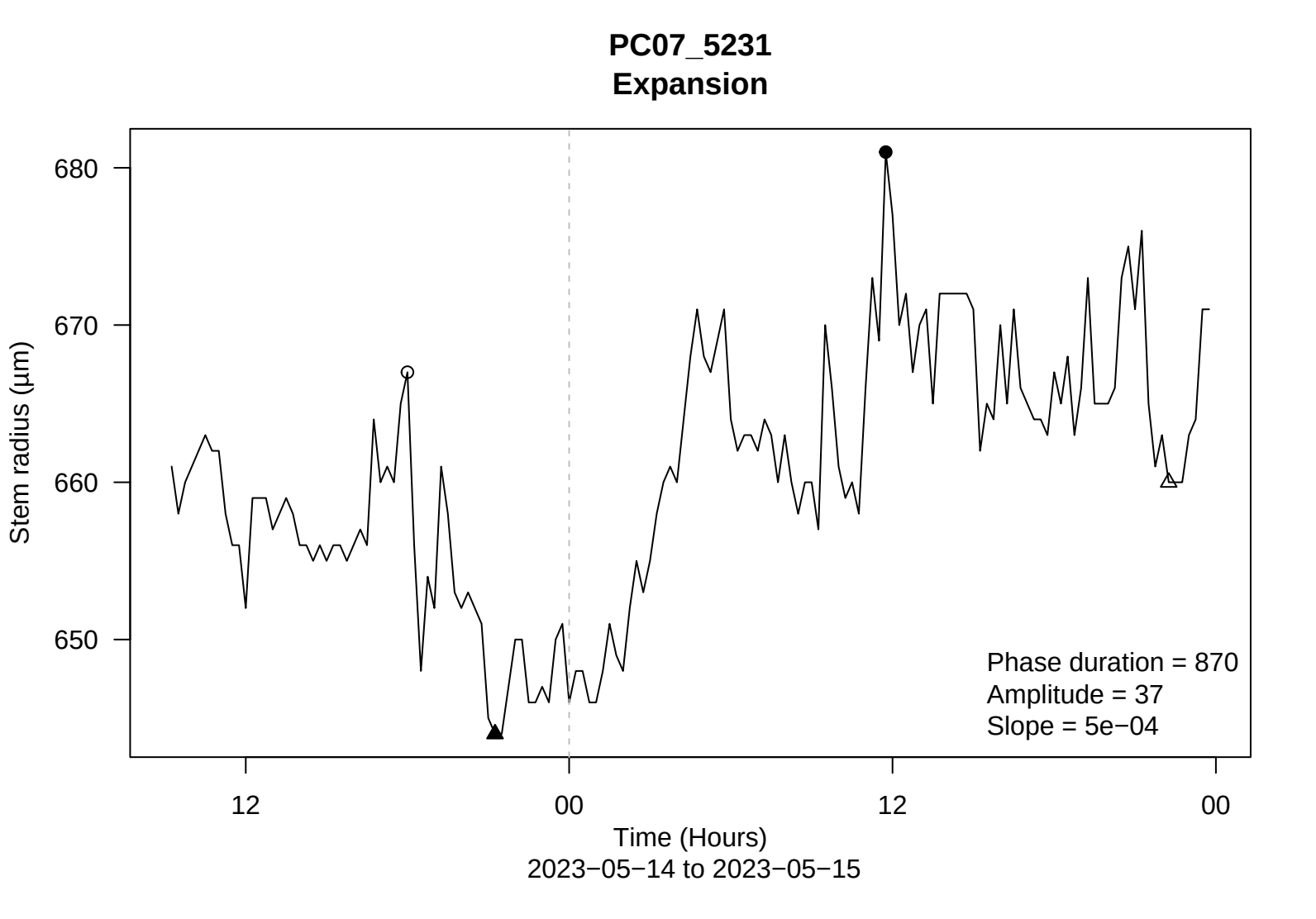

PC07_5231
Expansion
675
670
665
660
655
Stem radius (µm)
Phase duration = 1035
Amplitude = 22
Slope = 2e−04
00
12
00
Time (Hours)
2023−05−12 to 2023−05−12

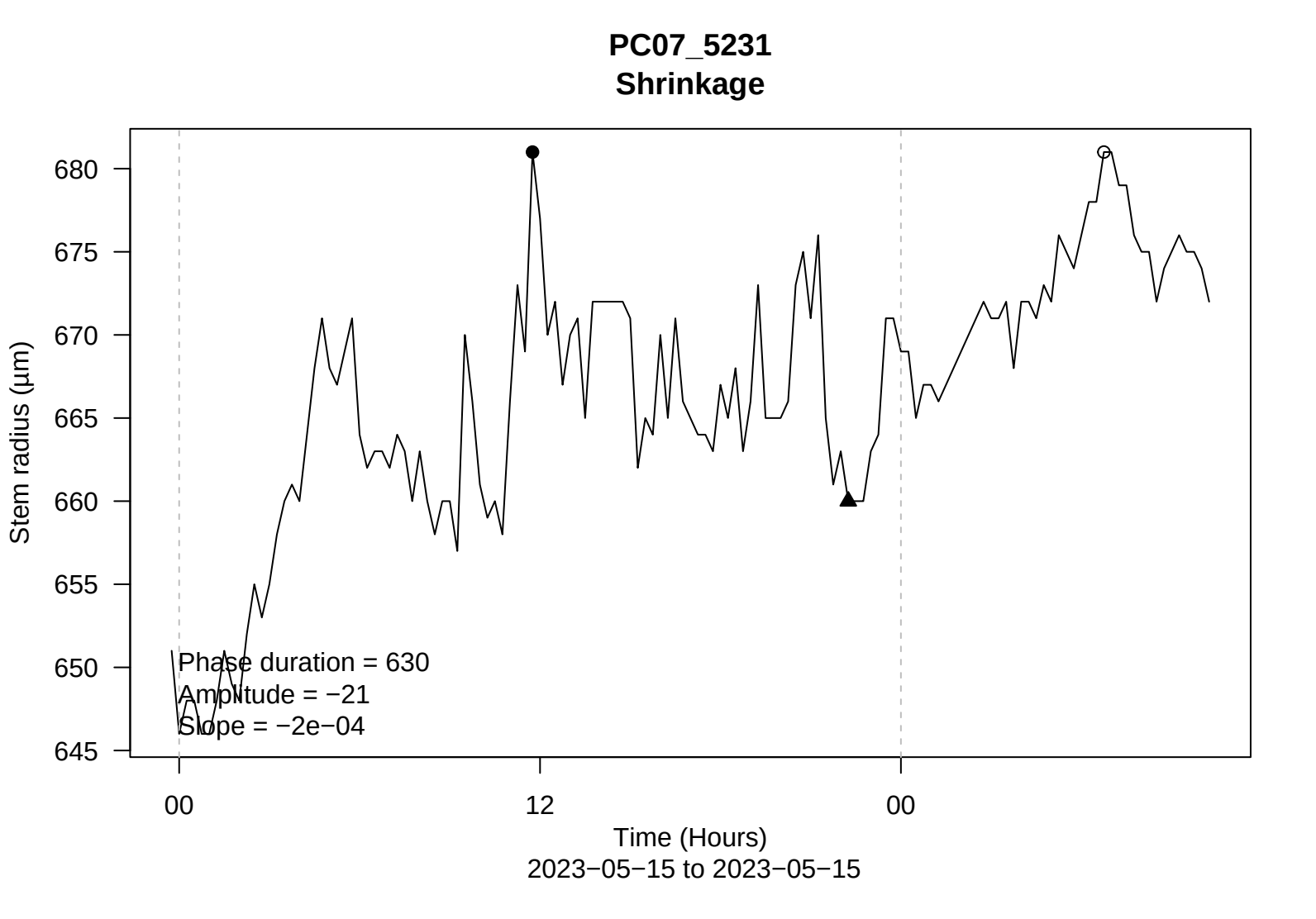

PC07_5231
Shrinkage
675
670
665
660
655
650
Stem radius (µm)
Phase duration = 630
Amplitude = −23
Slope = −3e−04
12
00
12
Time (Hours)
2023−05−12 to 2023−05−13

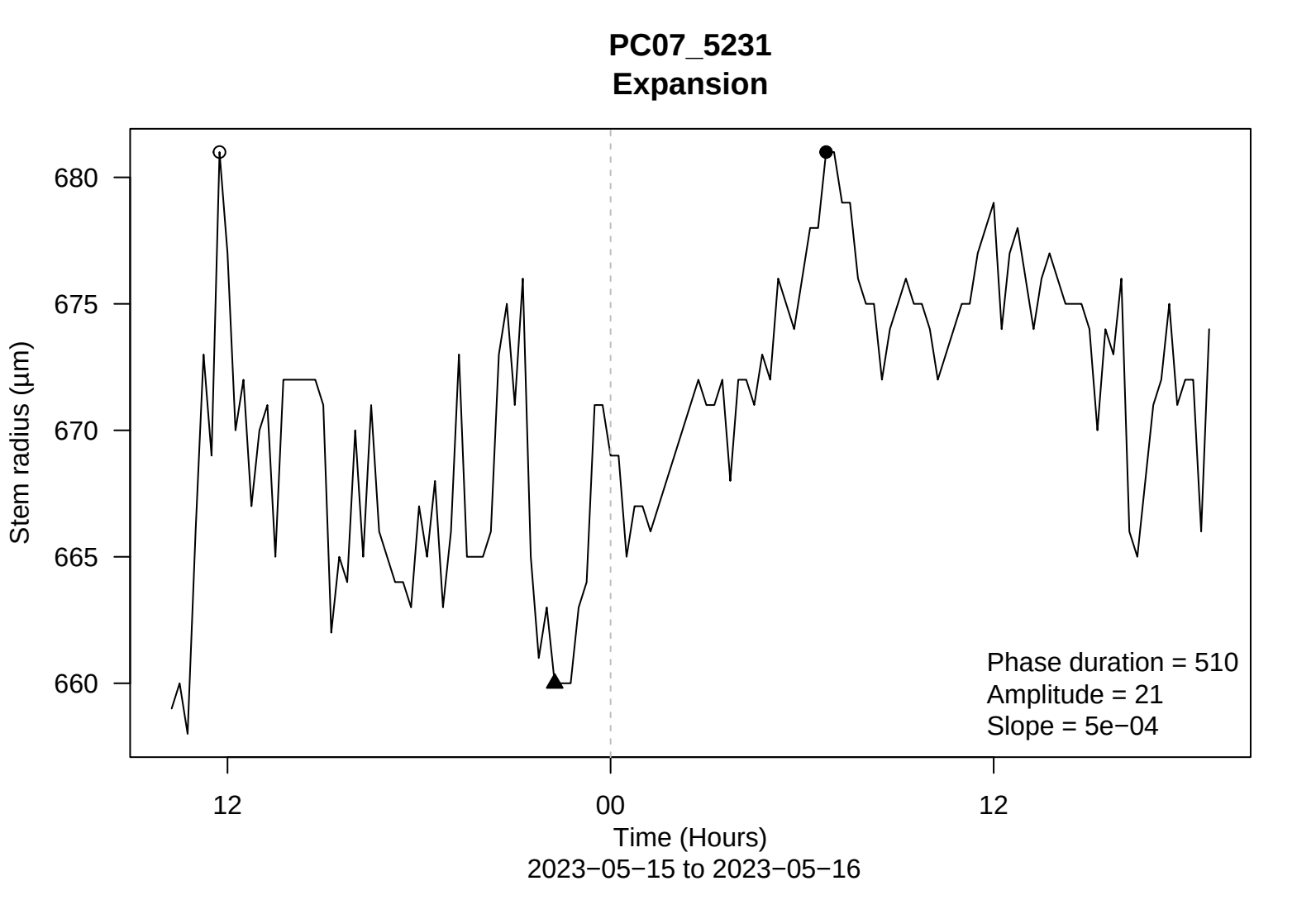

PC07_5231
Expansion
Stem radius (µm)
670
660
650
640
00
12
00
Time (Hours)
2023−05−13 to 2023−05−13
Phase duration = 420
Amplitude = 8
Slope = 1e−04

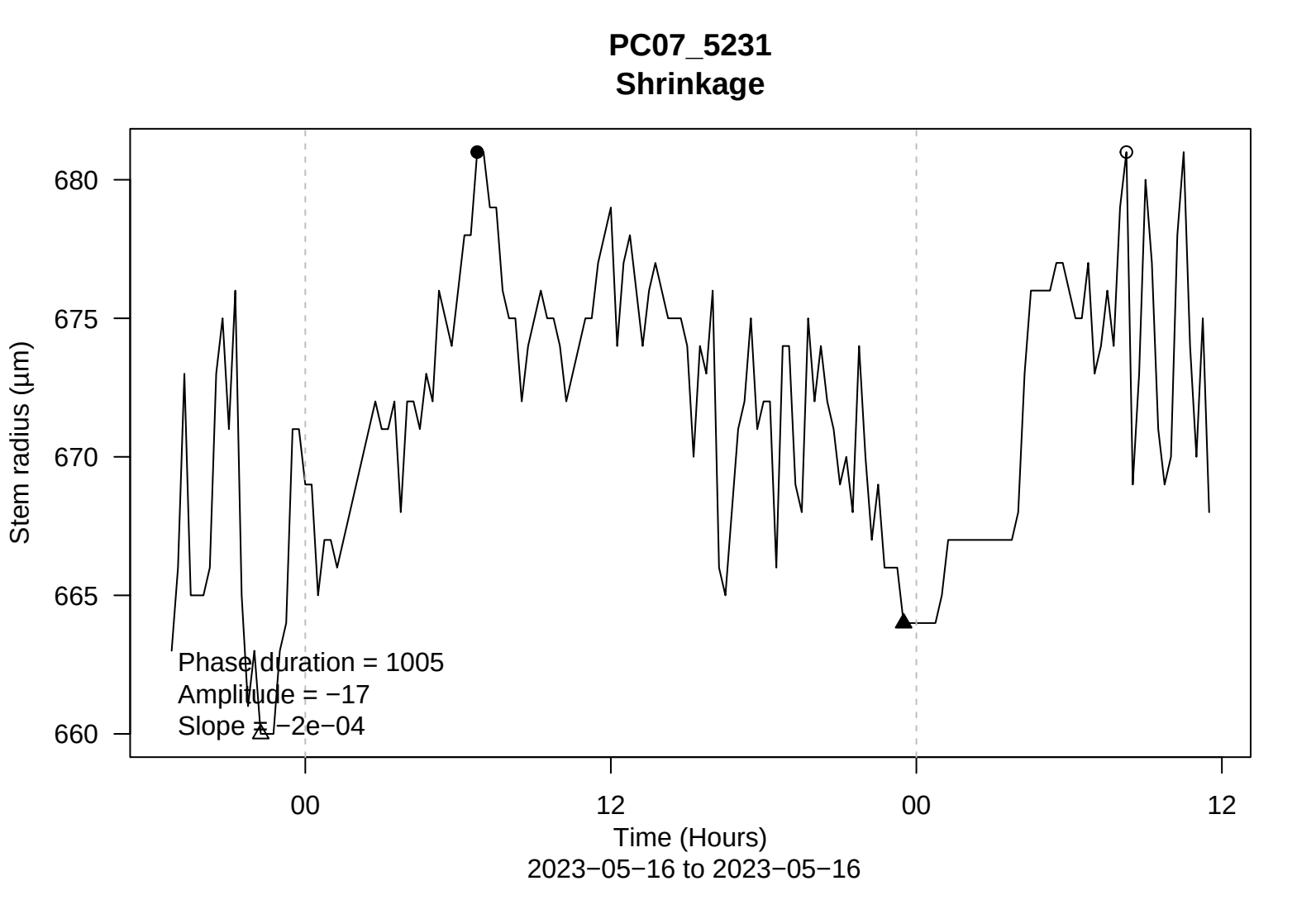

PC07_5231
Shrinkage
660
655
650
645
640
Stem radius (µm)
Phase duration = 390
Amplitude = −23
Slope = −6e−04
06
12
18
00
06
Time (Hours)
2023−05−13 to 2023−05−13

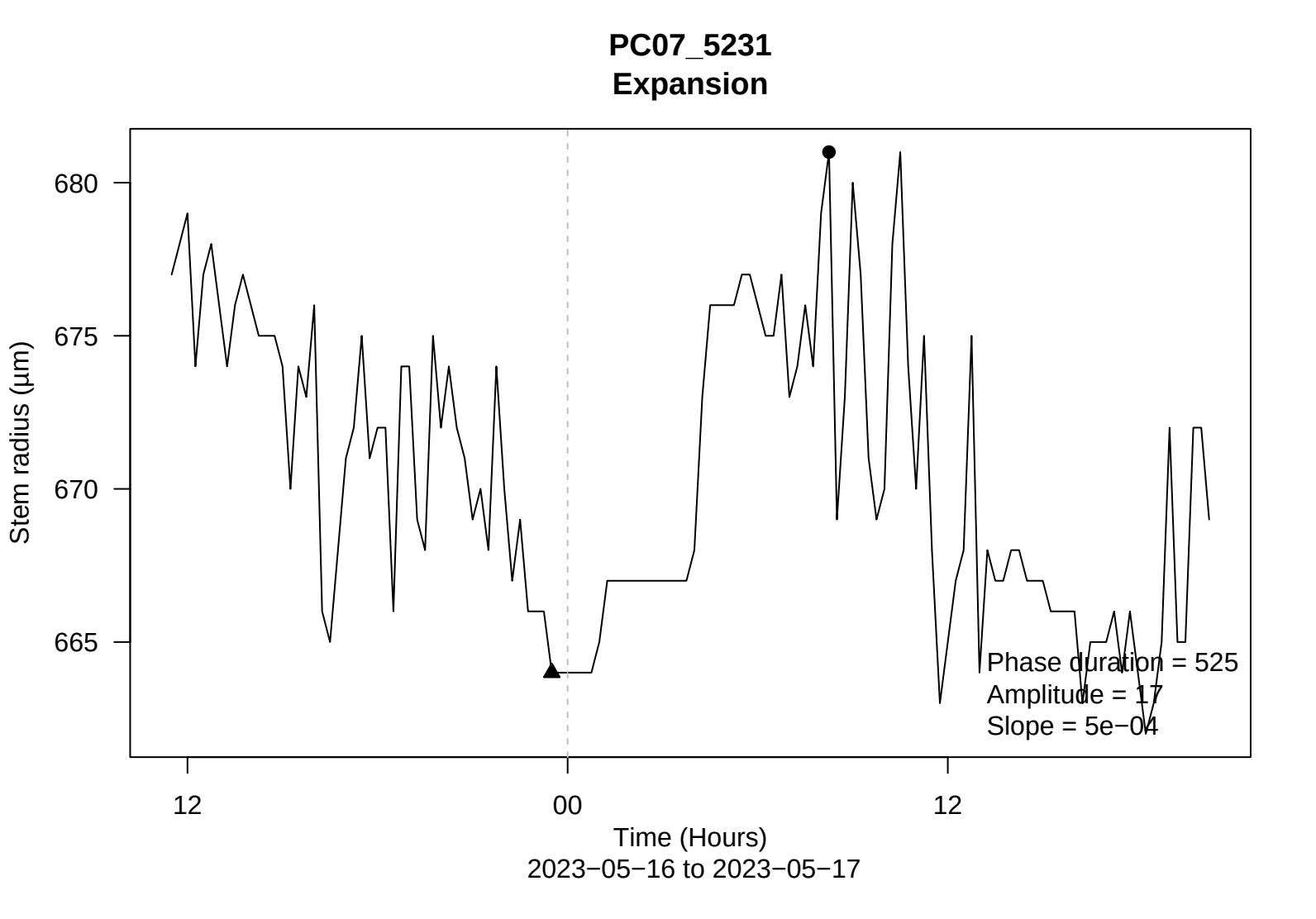

PC07_5231
Expansion
Stem radius (µm)
670
665
660
655
650
645
640
00
12
00
Time (Hours)
2023−05−14 to 2023−05−14
Phase duration = 660
Amplitude = 20
Slope = 2e−04

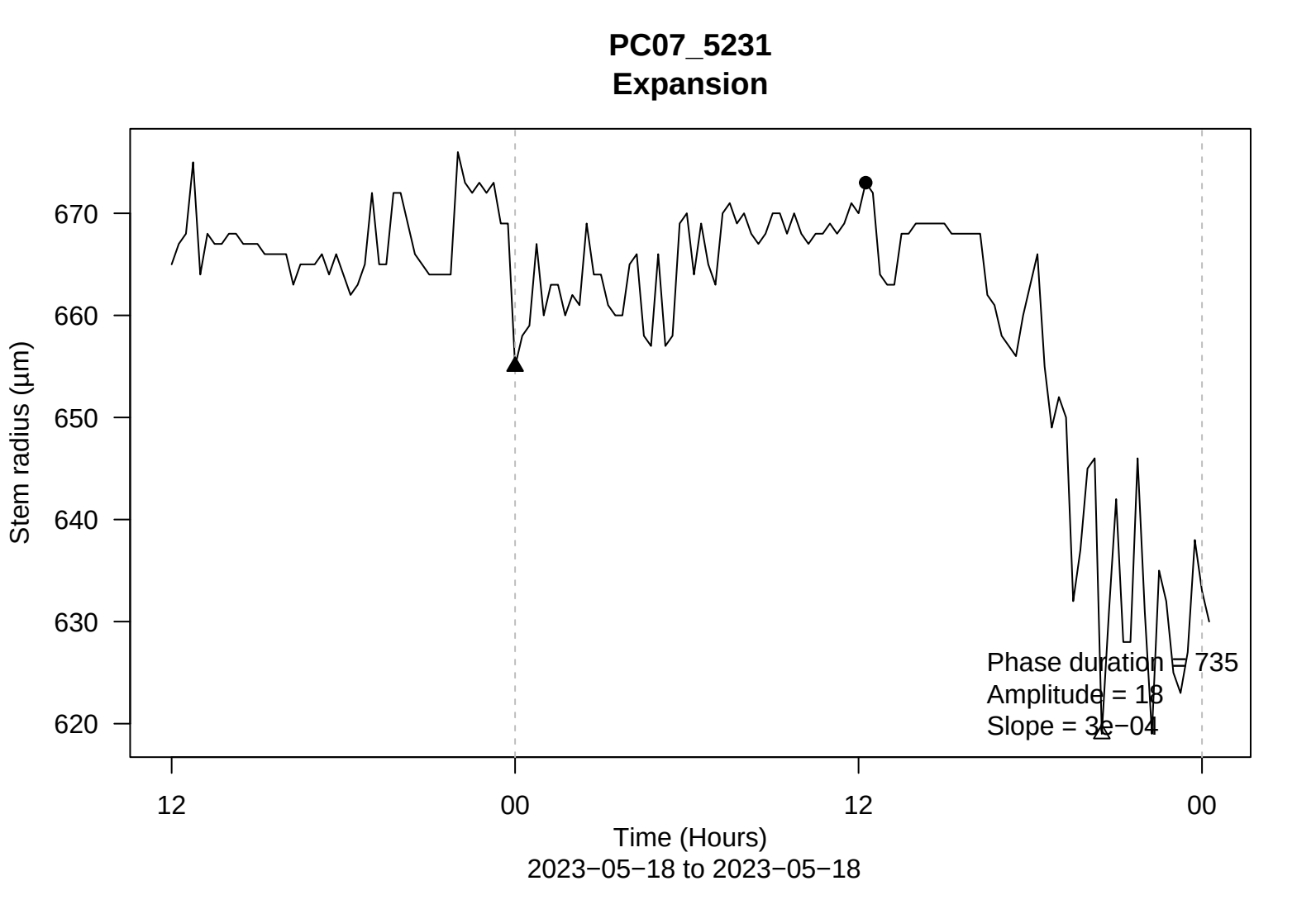

PC07_5231
Expansion
680
670
660
650
Stem radius (µm)
Phase duration = 870
Amplitude = 37
Slope = 5e−04
12
00
12
00
Time (Hours)
2023−05−14 to 2023−05−15

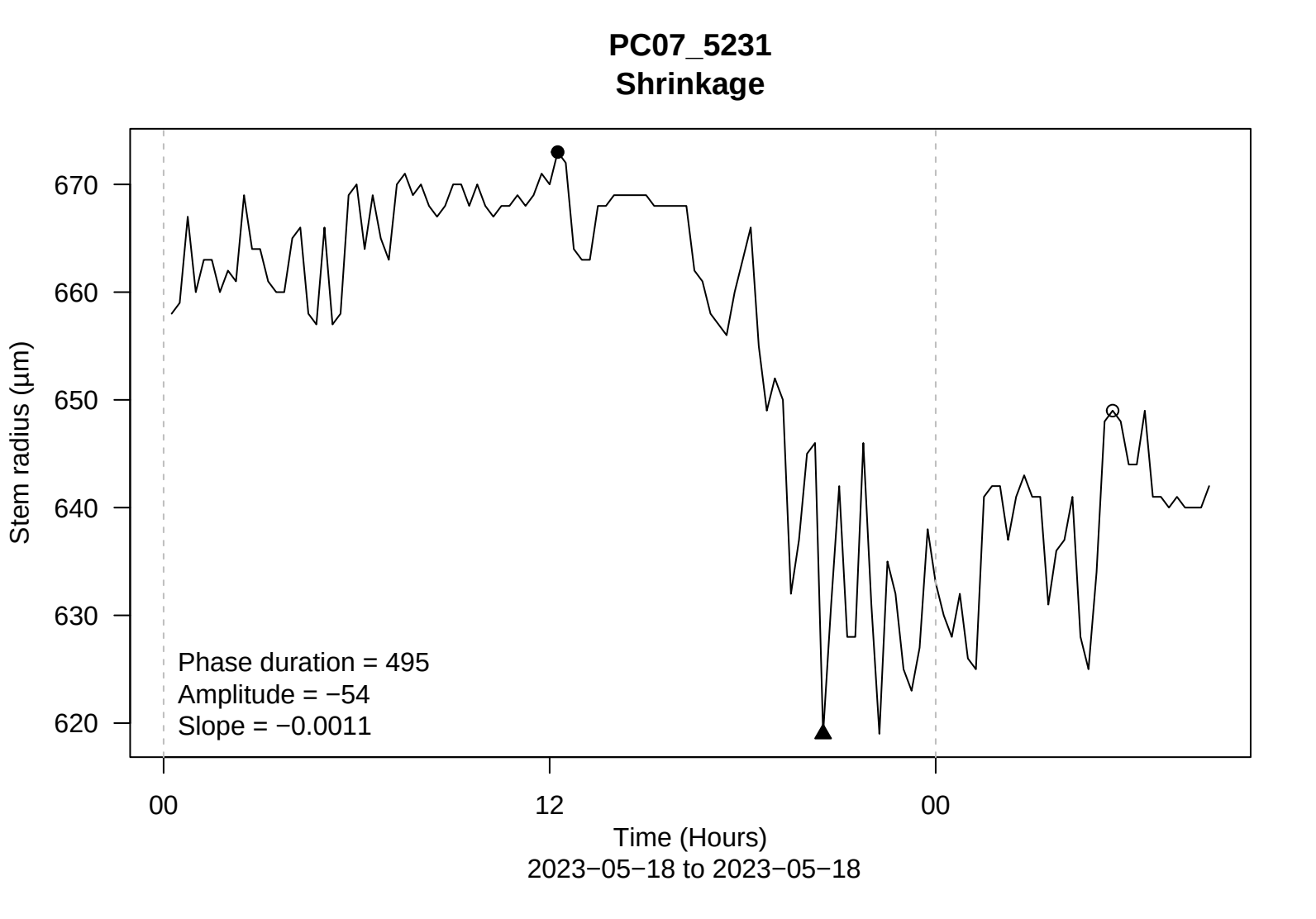

PC07_5231
Shrinkage
Stem radius (µm)
680
675
670
665
660
655
650
645
Phase duration = 630
Amplitude = −21
Slope = −2e−04
00
12
00
Time (Hours)
2023−05−15 to 2023−05−15

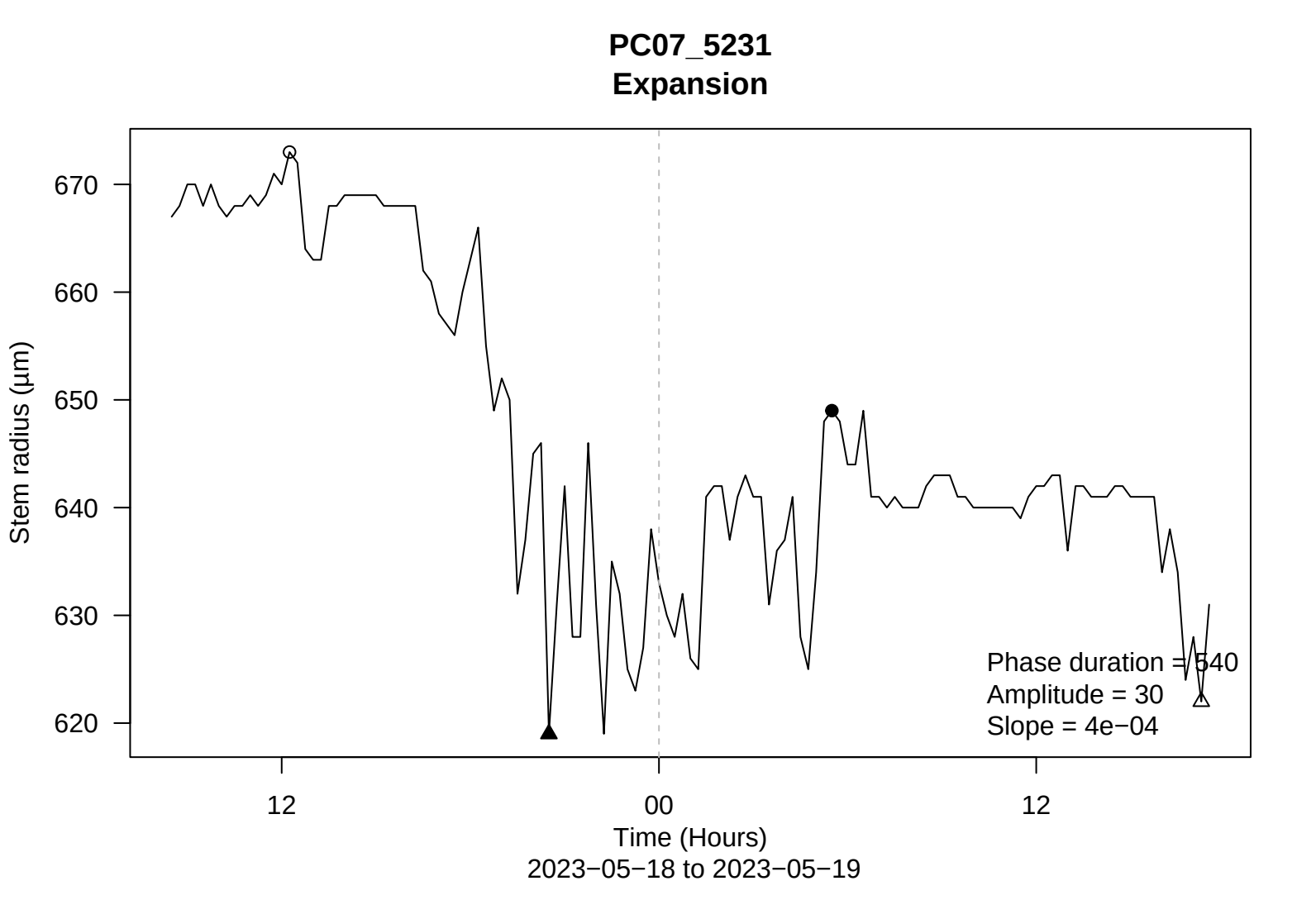

PC07_5231
Expansion
680
675
670
665
660
Stem radius (µm)
12
00
12
Time (Hours)
2023−05−15 to 2023−05−16
Phase duration = 510
Amplitude = 21
Slope = 5e−04

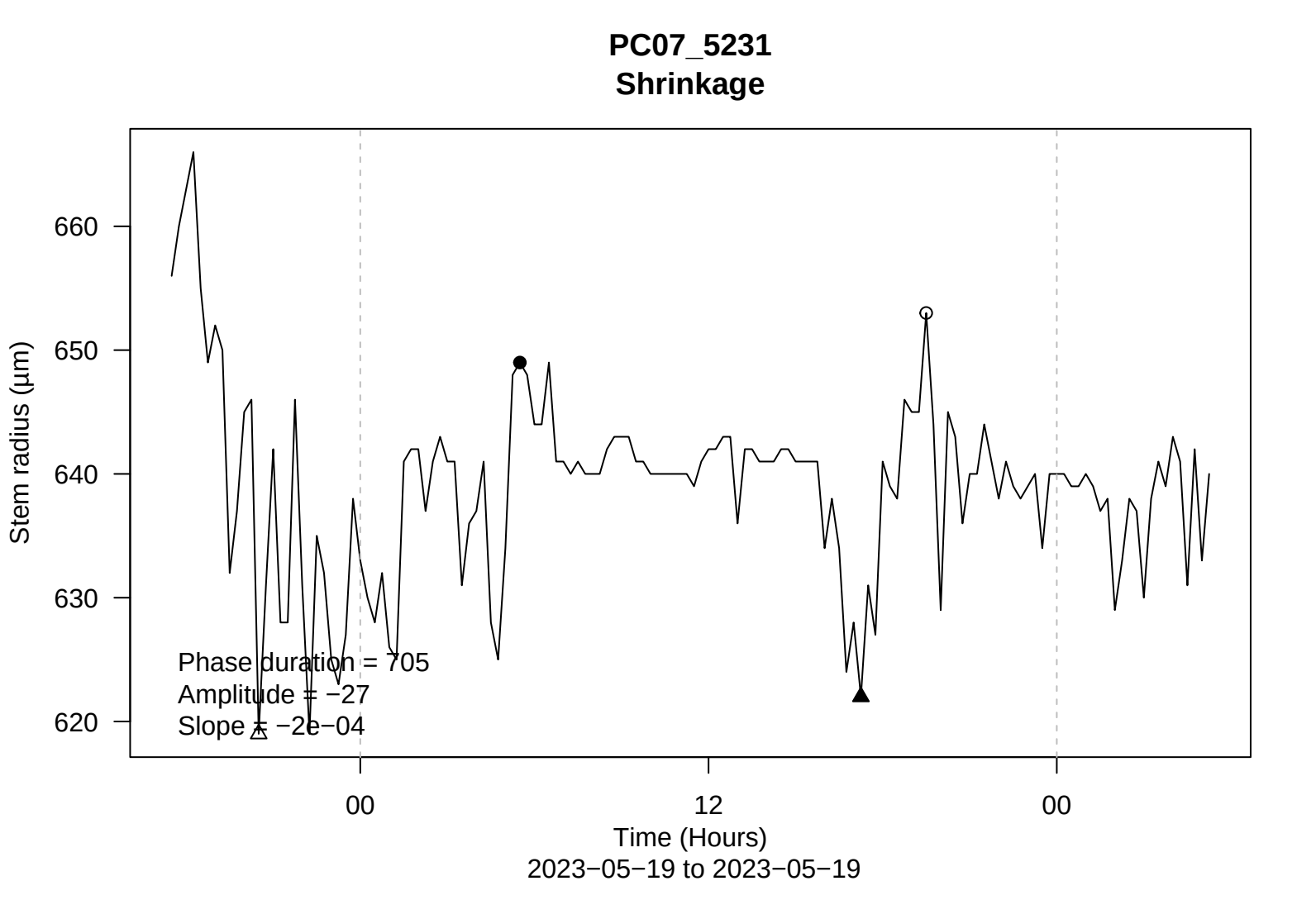

PC07_5231
Shrinkage
680
675
670
665
660
Stem radius (µm)
Phase duration = 1005
Amplitude = −17
Slope = −2e−04
00
12
00
12
Time (Hours)
2023−05−16 to 2023−05−16

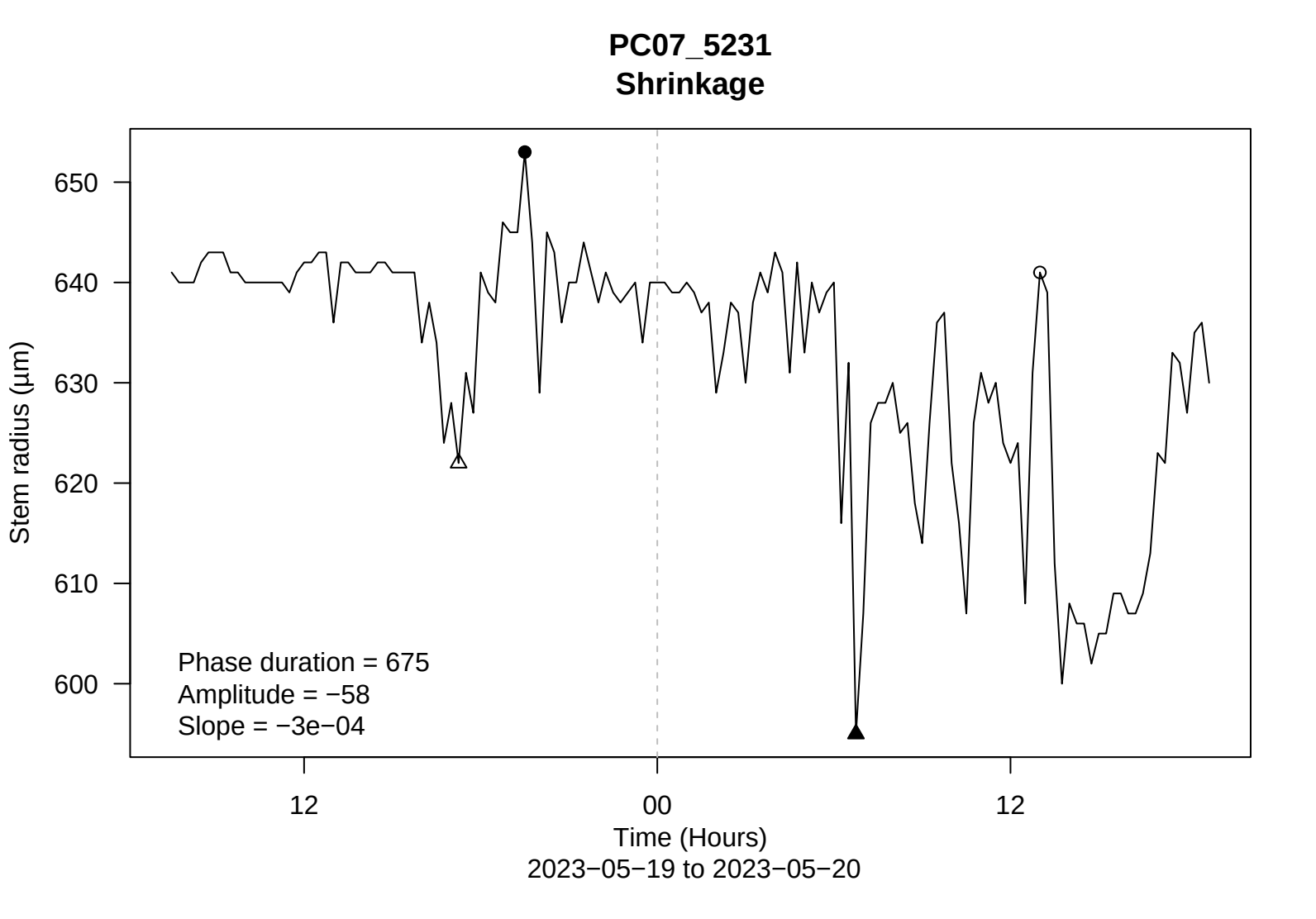

PC07_5231
Expansion
680
675
670
665
Stem radius (µm)
12
00
12
Time (Hours)
2023−05−16 to 2023−05−17
Phase duration = 525
Amplitude = 17
Slope = 5e−04

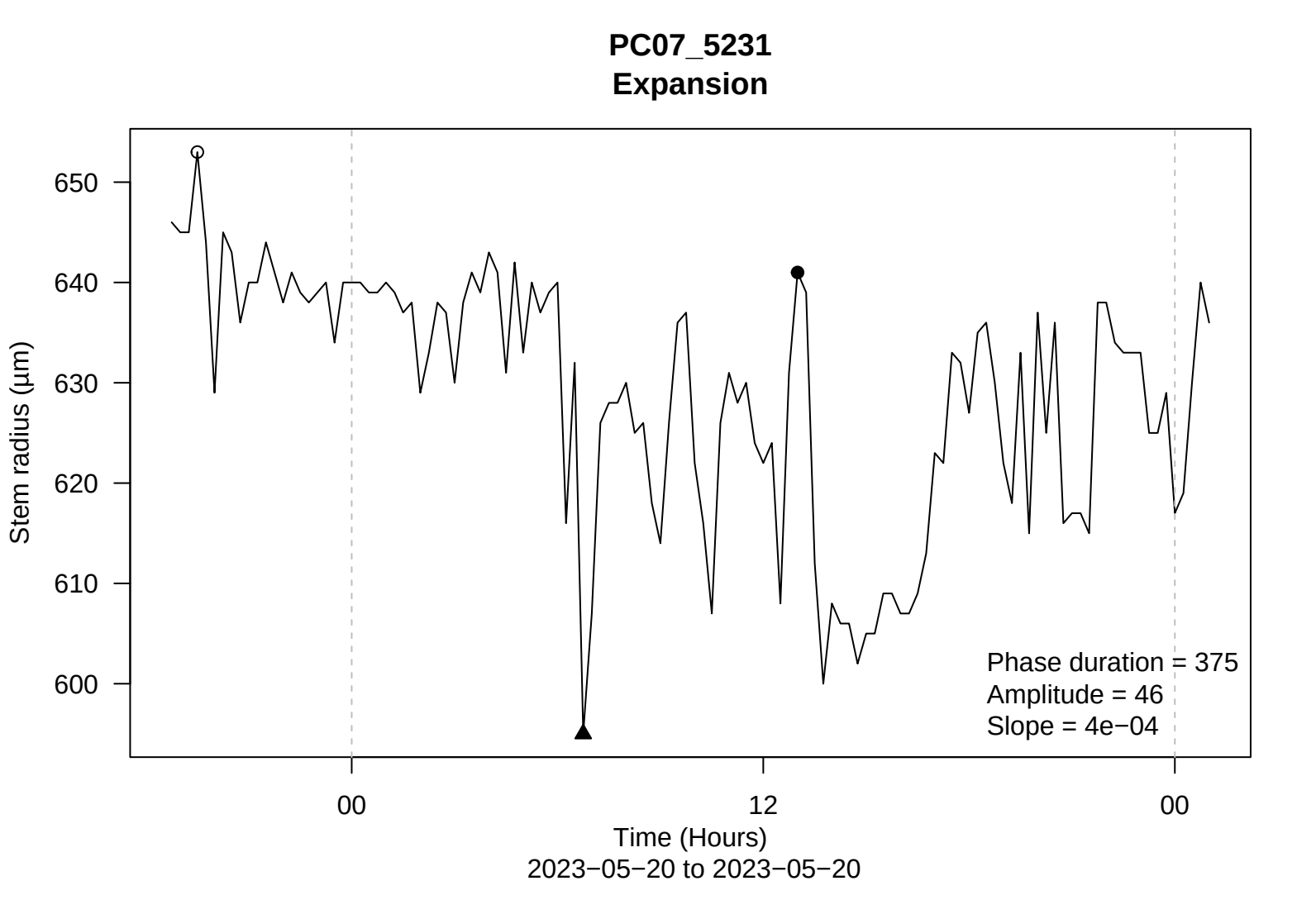

PC07_5231
Expansion
Stem radius (µm)
670
660
650
640
630
620
Phase duration = 735
Amplitude = 18
Slope = 3e−04
12
00
12
00
Time (Hours)
2023−05−18 to 2023−05−18

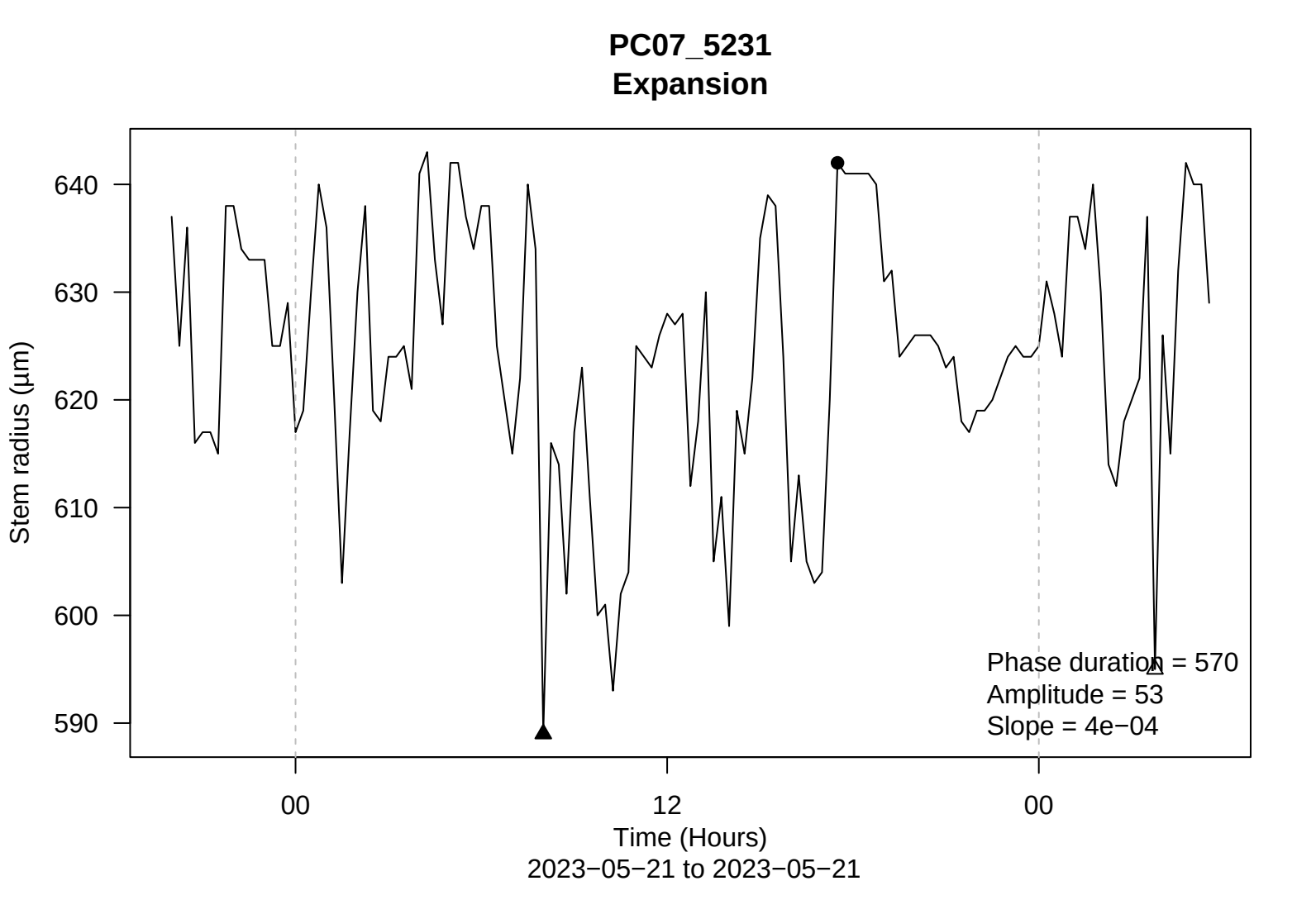

PC07_5231
Shrinkage
Stem radius (µm)
670
660
650
640
630
620
Phase duration = 495
Amplitude = −54
Slope = −0.0011
00
12
00
Time (Hours)
2023−05−18 to 2023−05−18

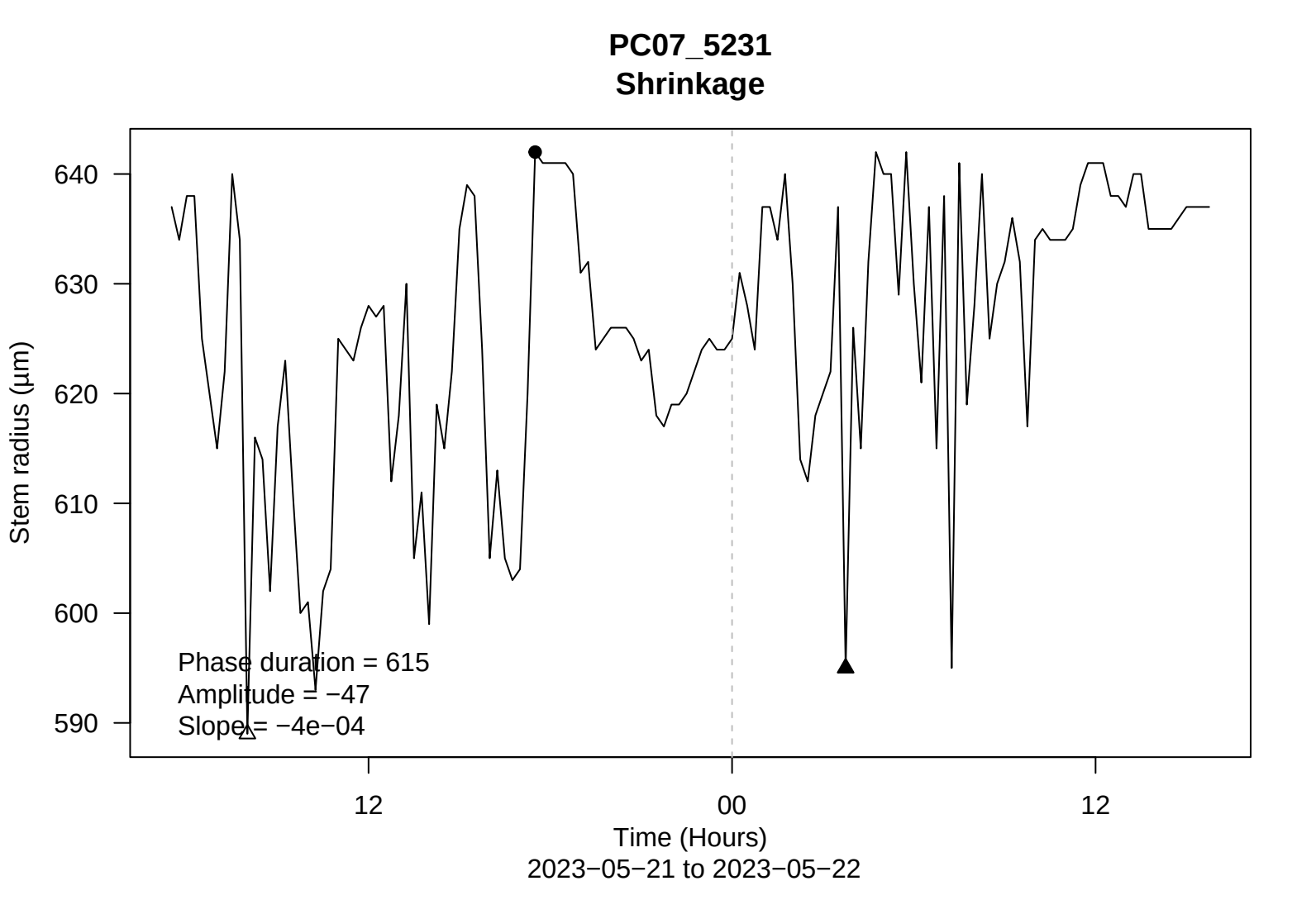

PC07_5231
Expansion
670
660
650
640
630
620
Stem radius (µm)
12
00
12
Time (Hours)
2023−05−18 to 2023−05−19
Phase duration = 540
Amplitude = 30
Slope = 4e−04

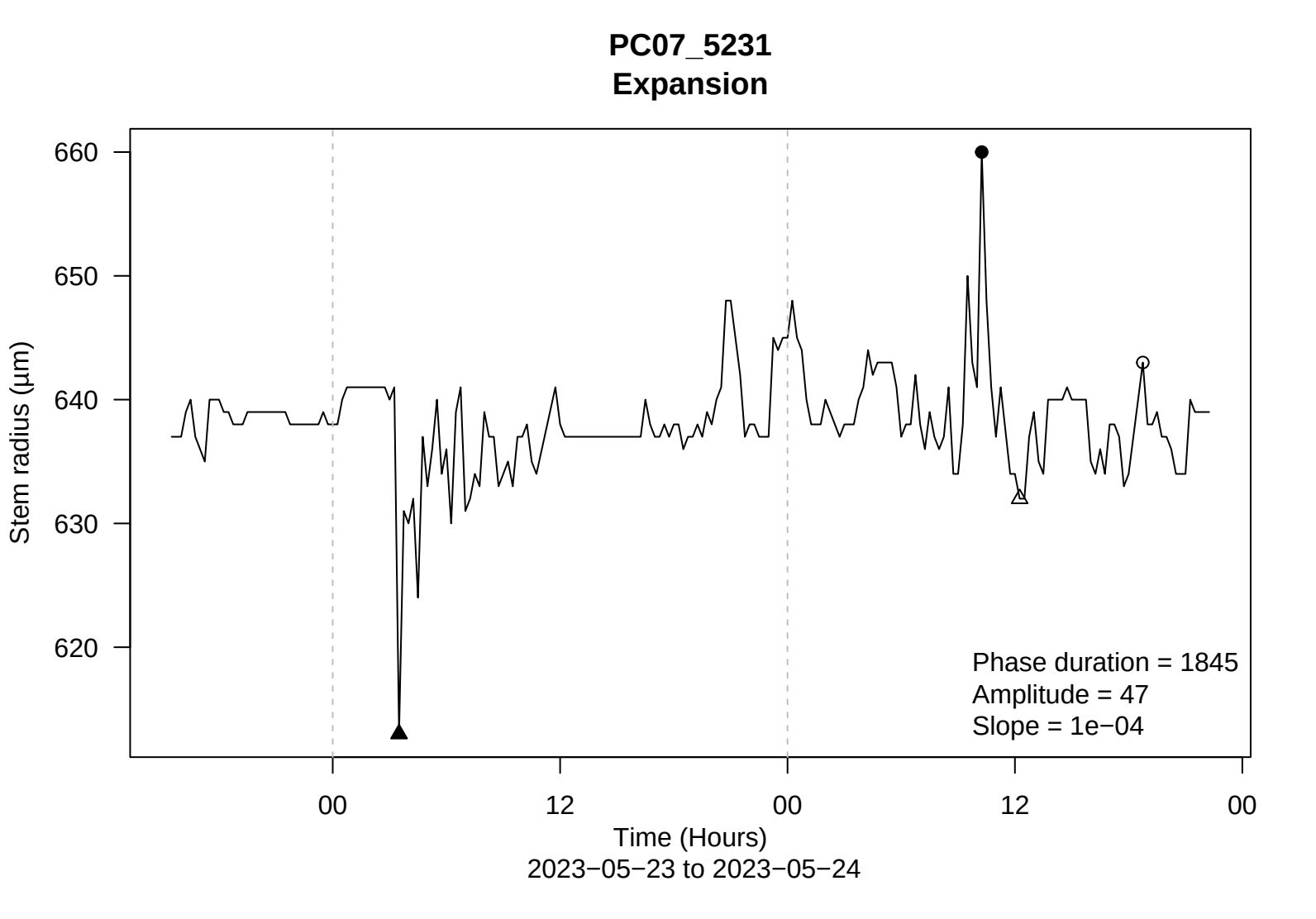

PC07_5231
Shrinkage
Stem radius (µm)
660
650
640
630
620
Phase duration = 705
Amplitude = −27
Slope = −2e−04
00
12
00
Time (Hours)
2023−05−19 to 2023−05−19

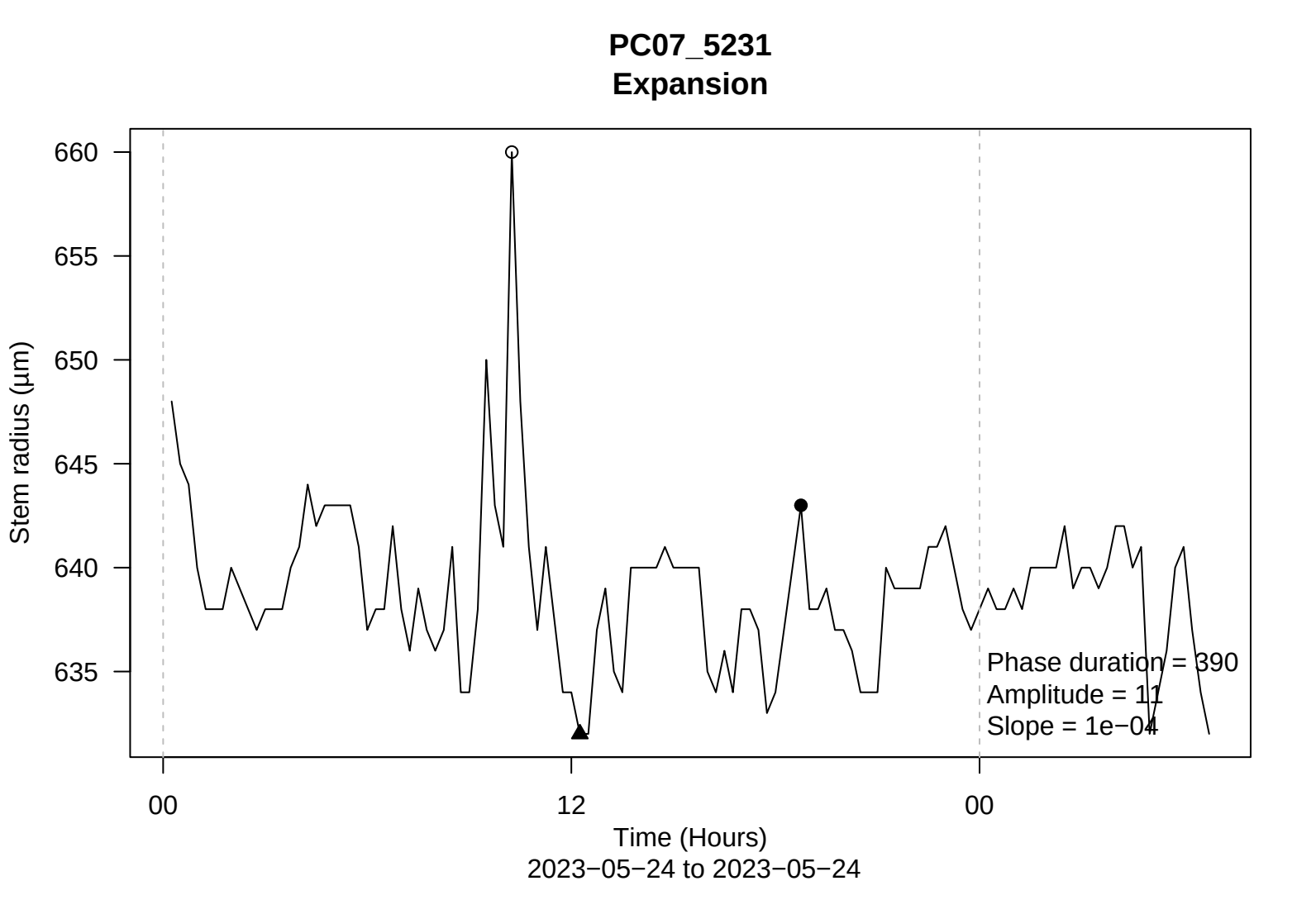

PC07_5231
Shrinkage
650
640
630
620
610
600
Stem radius (µm)
Phase duration = 675
Amplitude = −58
Slope = −3e−04
12
00
12
Time (Hours)
2023−05−19 to 2023−05−20

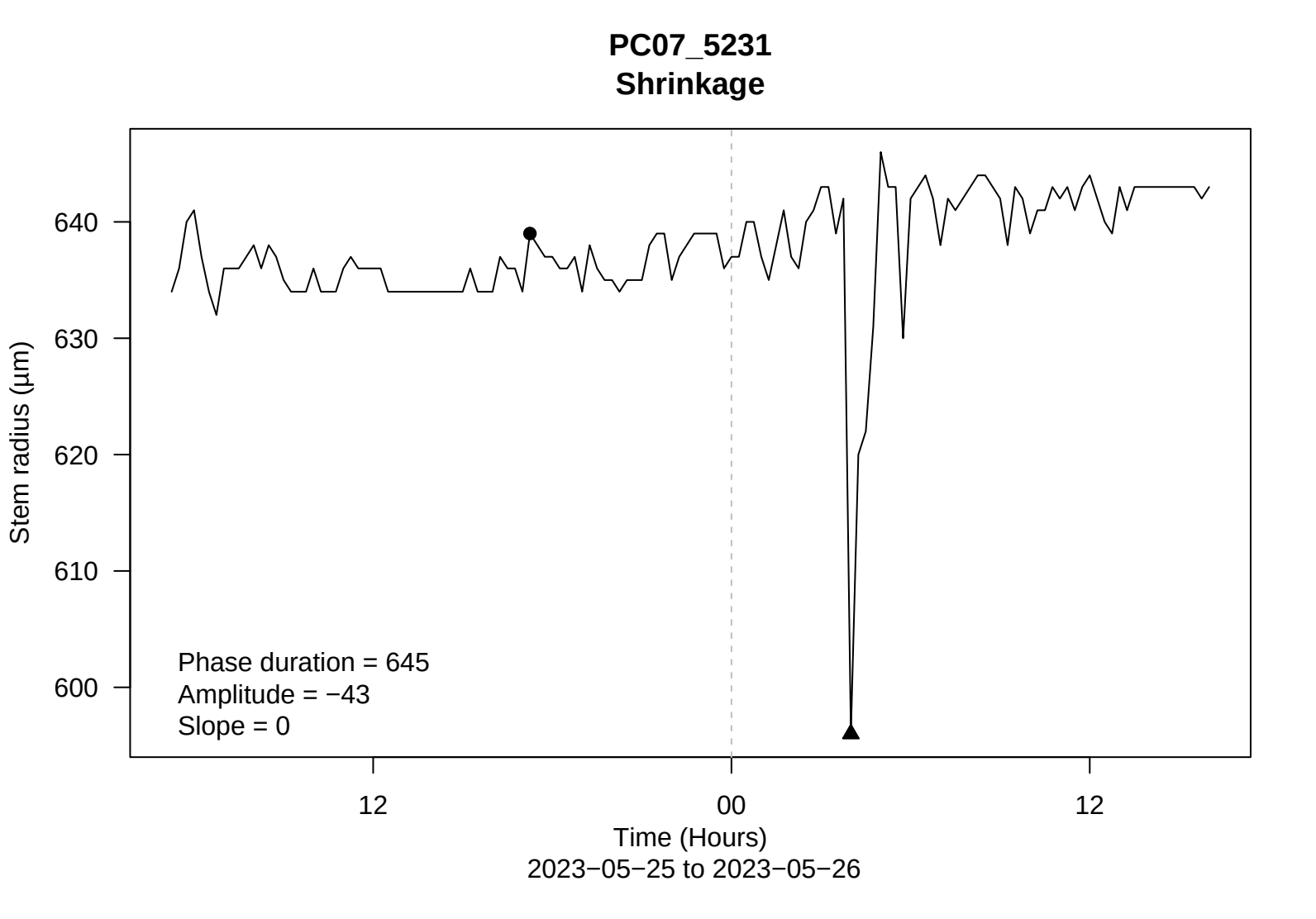

PC07_5231
Expansion
650
640
630
620
610
600
Stem radius (µm)
Phase duration = 375
Amplitude = 46
Slope = 4e−04
00
12
00
Time (Hours)
2023−05−20 to 2023−05−20

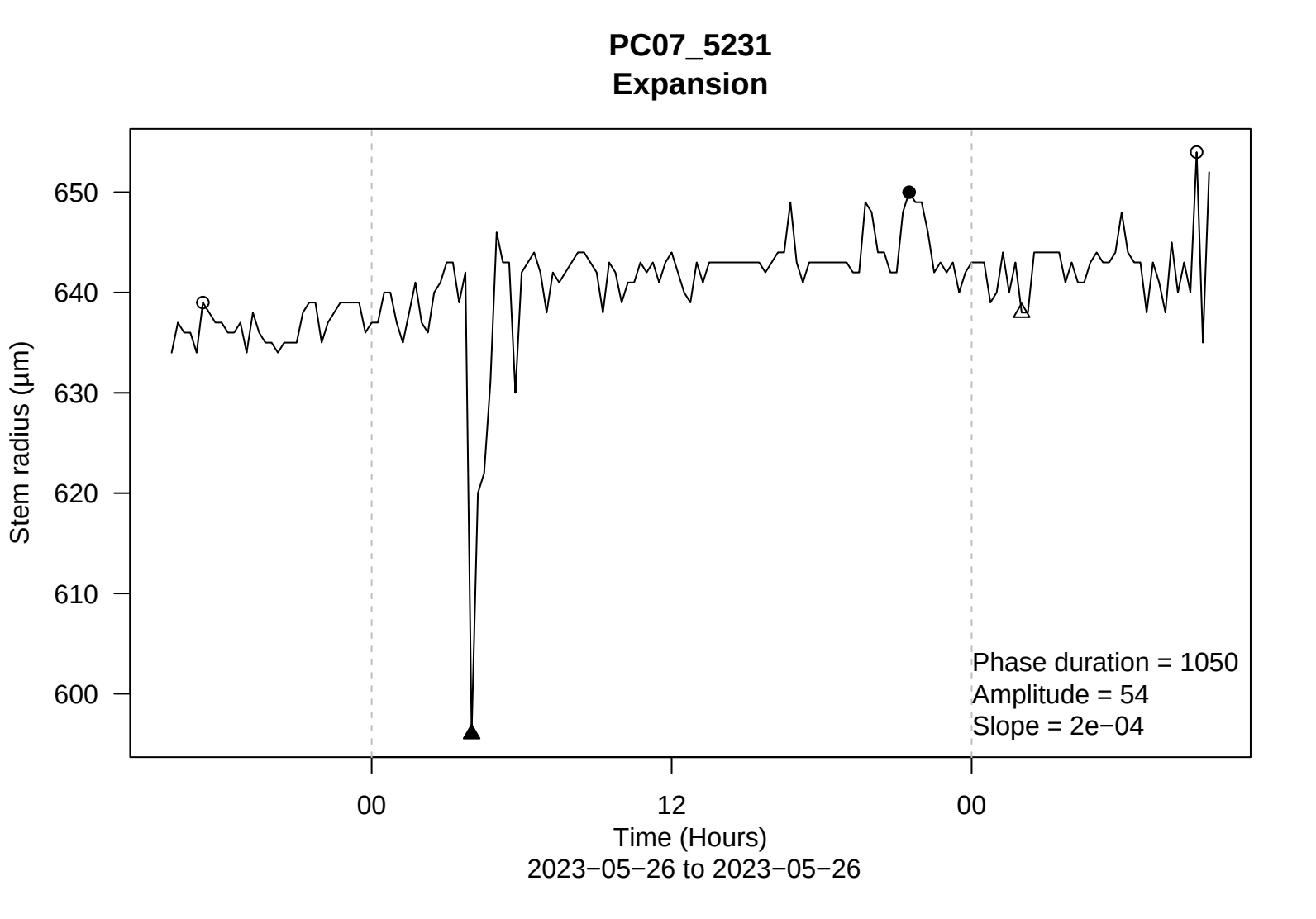

PC07_5231
Expansion
640
630
620
610
600
590
Stem radius (µm)
00
12
00
Time (Hours)
2023−05−21 to 2023−05−21
Phase duration = 570
Amplitude = 53
Slope = 4e−04

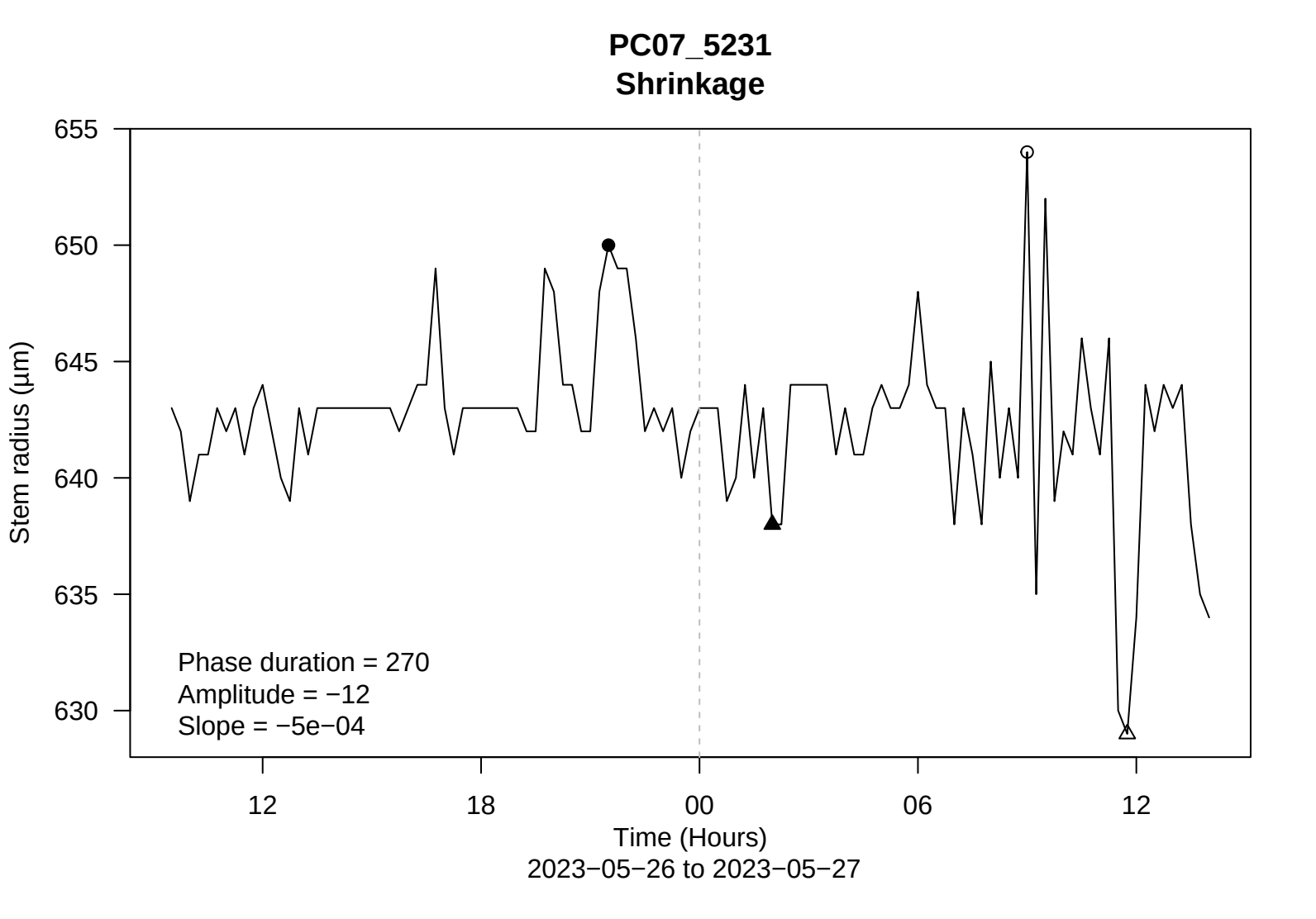

PC07_5231
Shrinkage
Stem radius (µm)
640
630
620
610
600
590
Phase duration = 615
Amplitude = −47
Slope = −4e−04
12
00
12
Time (Hours)
2023−05−21 to 2023−05−22

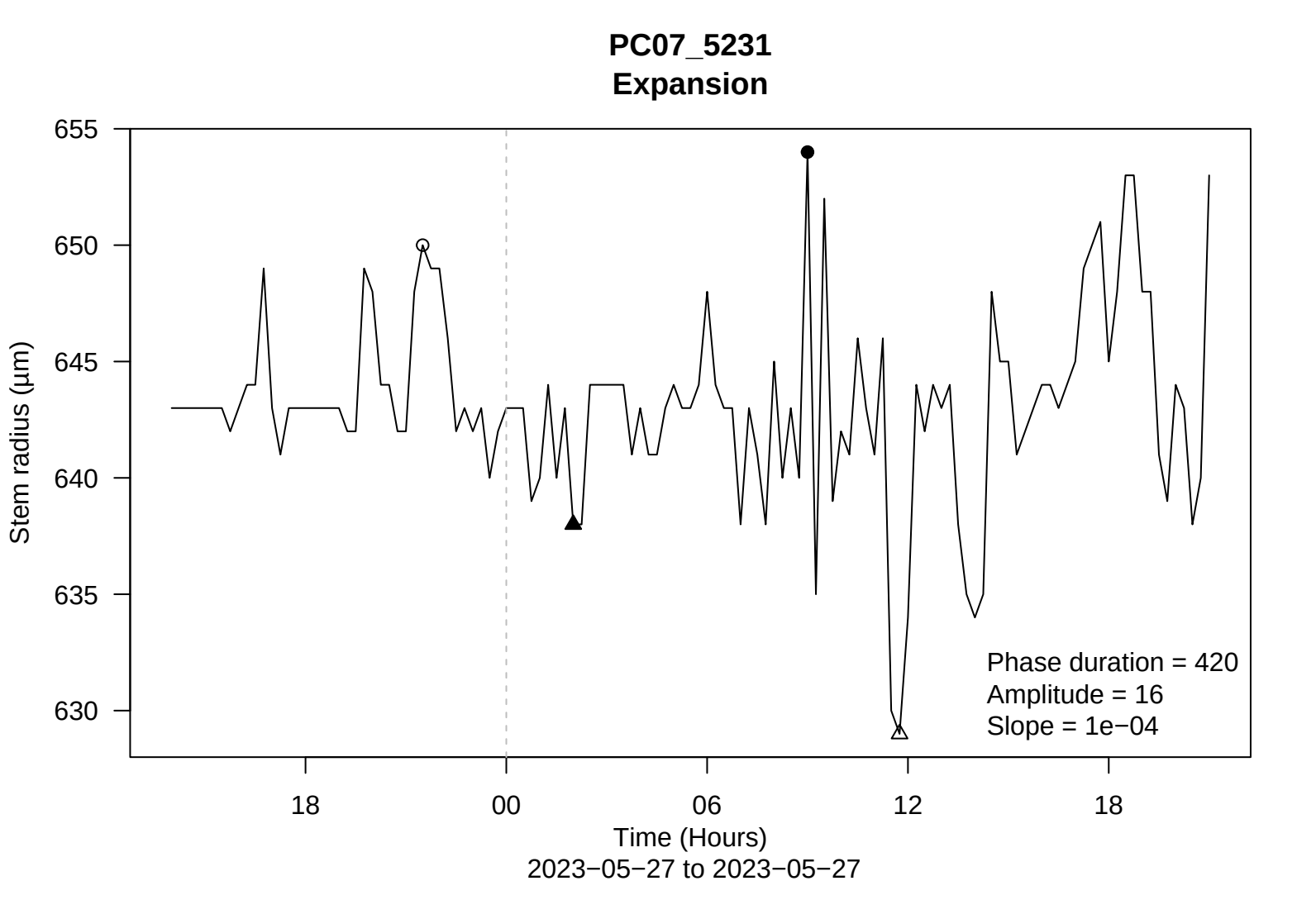

PC07_5231
Expansion
660
650
640
630
620
Stem radius (µm)
Phase duration = 1845
Amplitude = 47
Slope = 1e−04
00
12
00
12
00
Time (Hours)
2023−05−23 to 2023−05−24

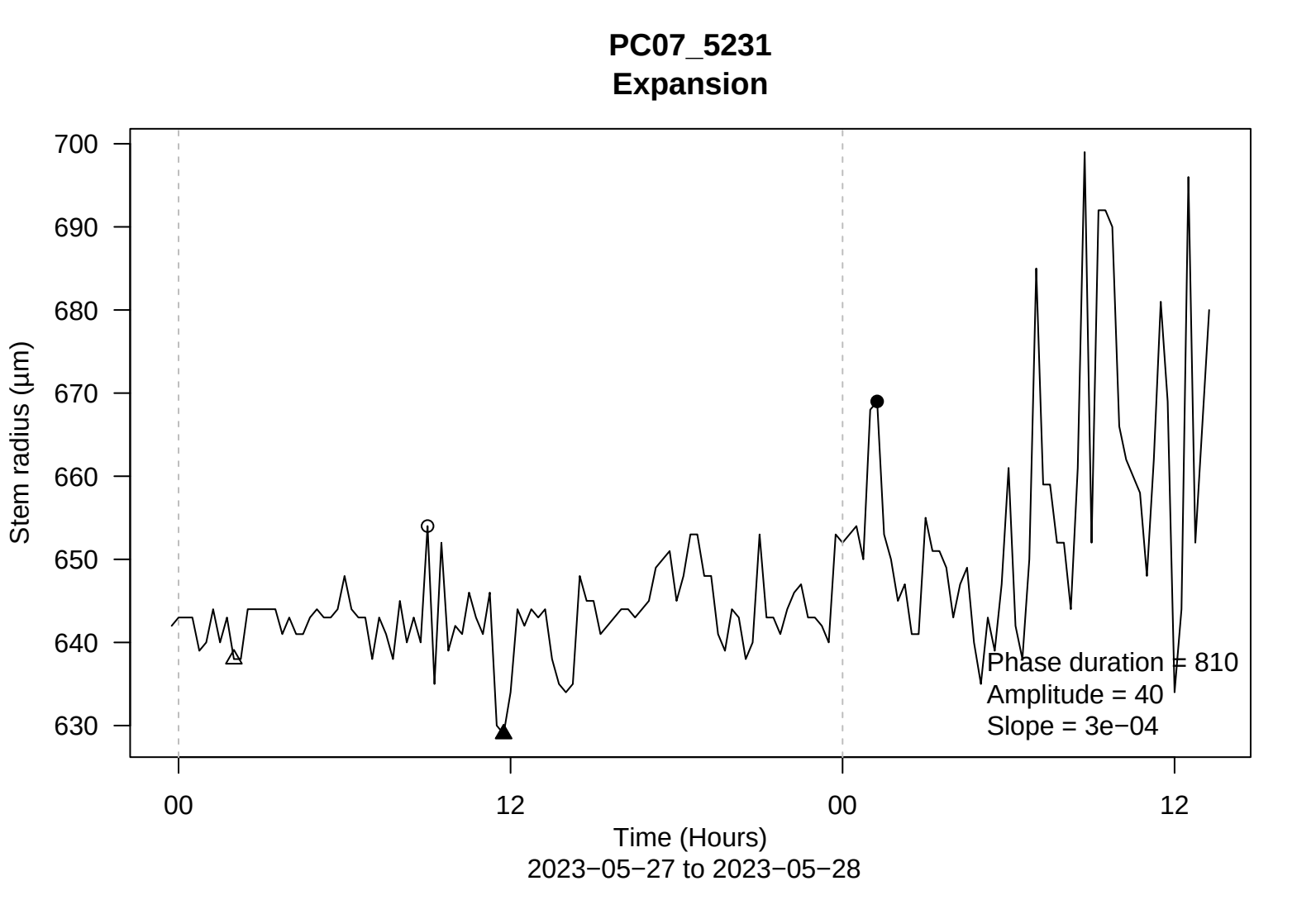

PC07_5231
Expansion
660
655
650
645
640
635
Stem radius (µm)
00
12
00
Time (Hours)
2023−05−24 to 2023−05−24
Phase duration = 390
Amplitude = 11
Slope = 1e−04

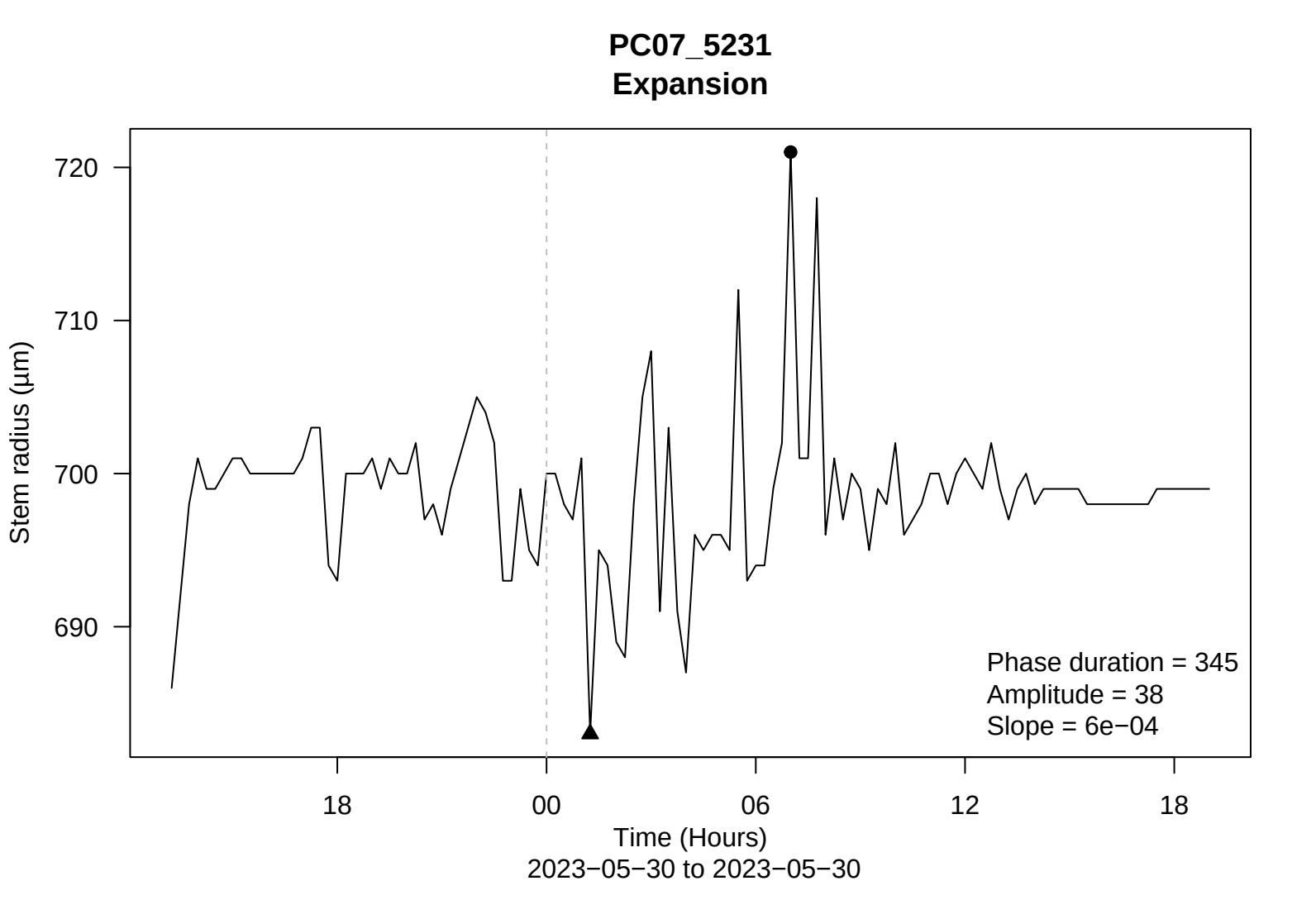

PC07_5231
Shrinkage
Stem radius (µm)
640
630
620
610
600
Phase duration = 645
Amplitude = −43
Slope = 0
12
00
12
Time (Hours)
2023−05−25 to 2023−05−26

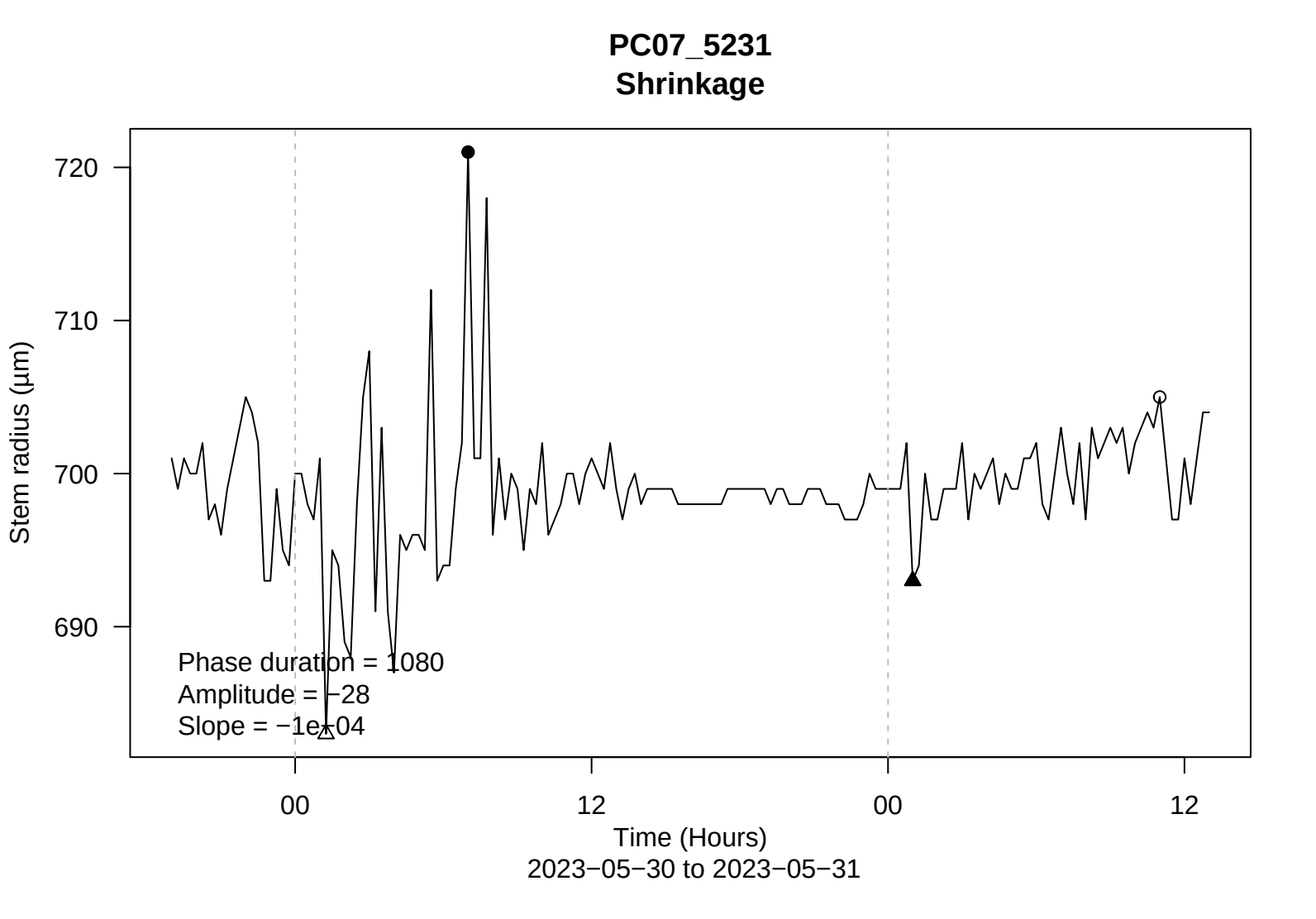

PC07_5231
Expansion
650
640
630
620
610
600
Stem radius (µm)
Phase duration = 1050
Amplitude = 54
Slope = 2e−04
00
12
00
Time (Hours)
2023−05−26 to 2023−05−26

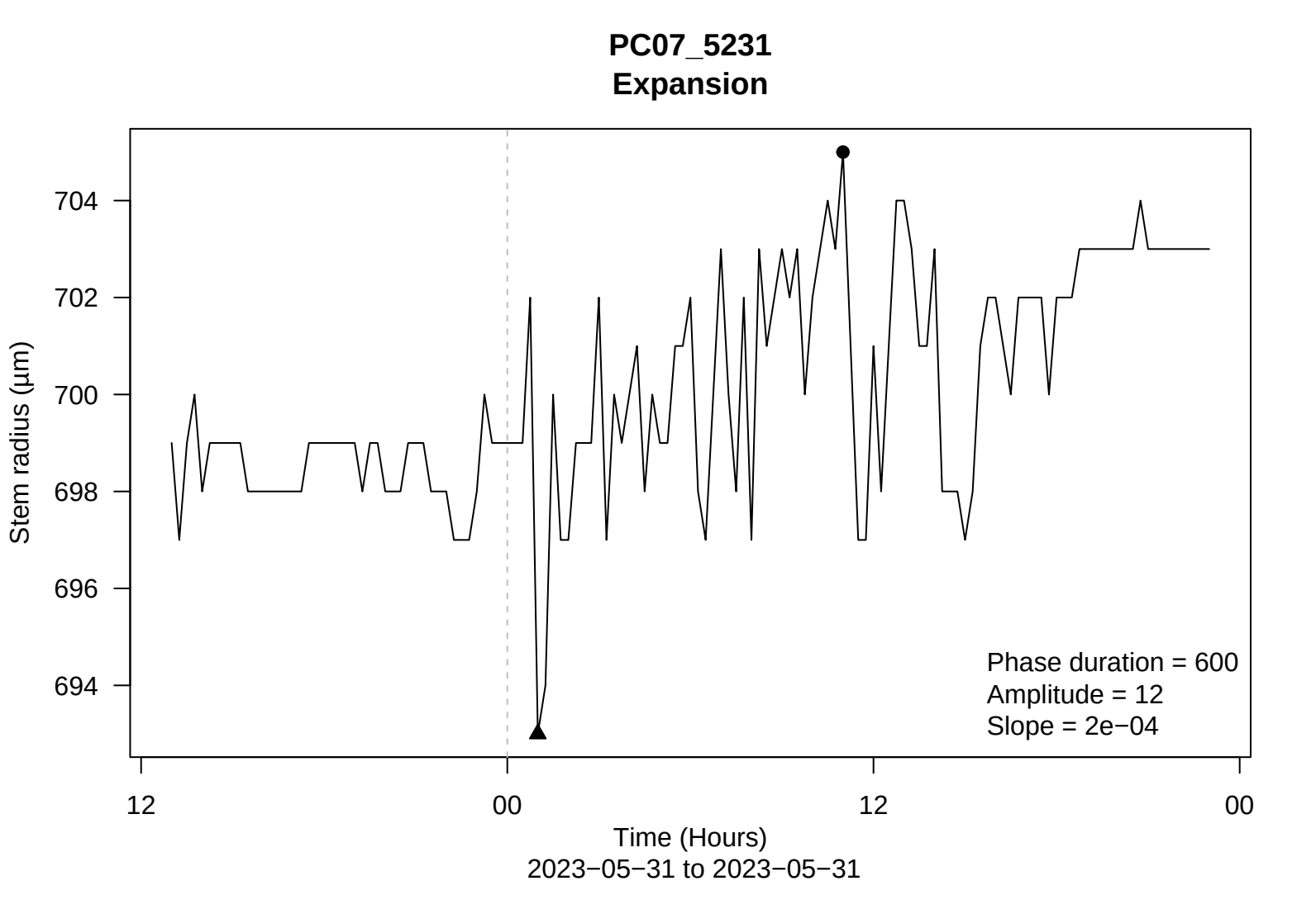

PC07_5231
Shrinkage
655
650
645
640
635
630
Stem radius (µm)
Phase duration = 270
Amplitude = −12
Slope = −5e−04
12
18
00
06
12
Time (Hours)
2023−05−26 to 2023−05−27

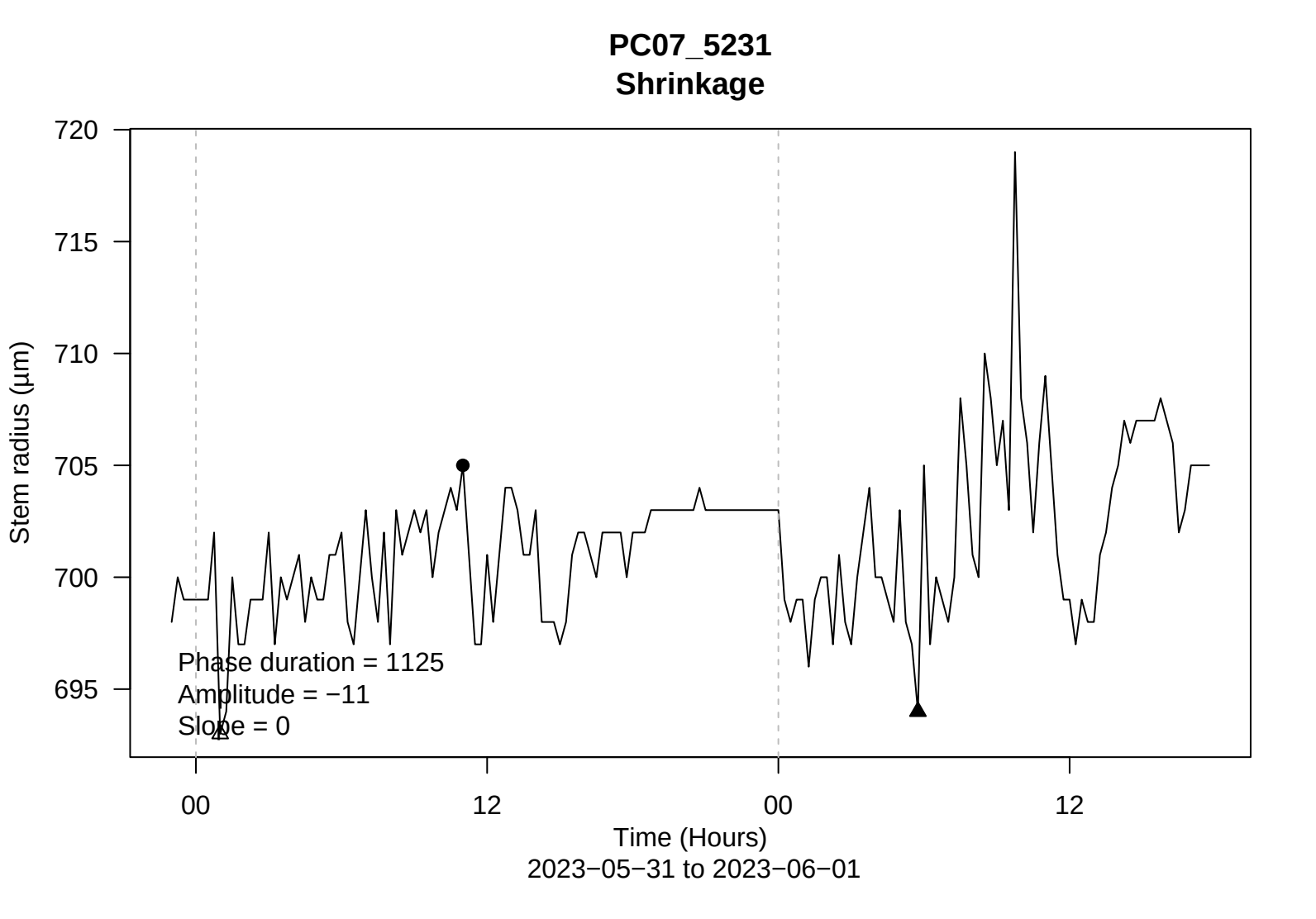

PC07_5231
Expansion
655
650
645
640
635
630
Stem radius (µm)
18
00
06
12
18
Time (Hours)
2023−05−27 to 2023−05−27
Phase duration = 420
Amplitude = 16
Slope = 1e−04

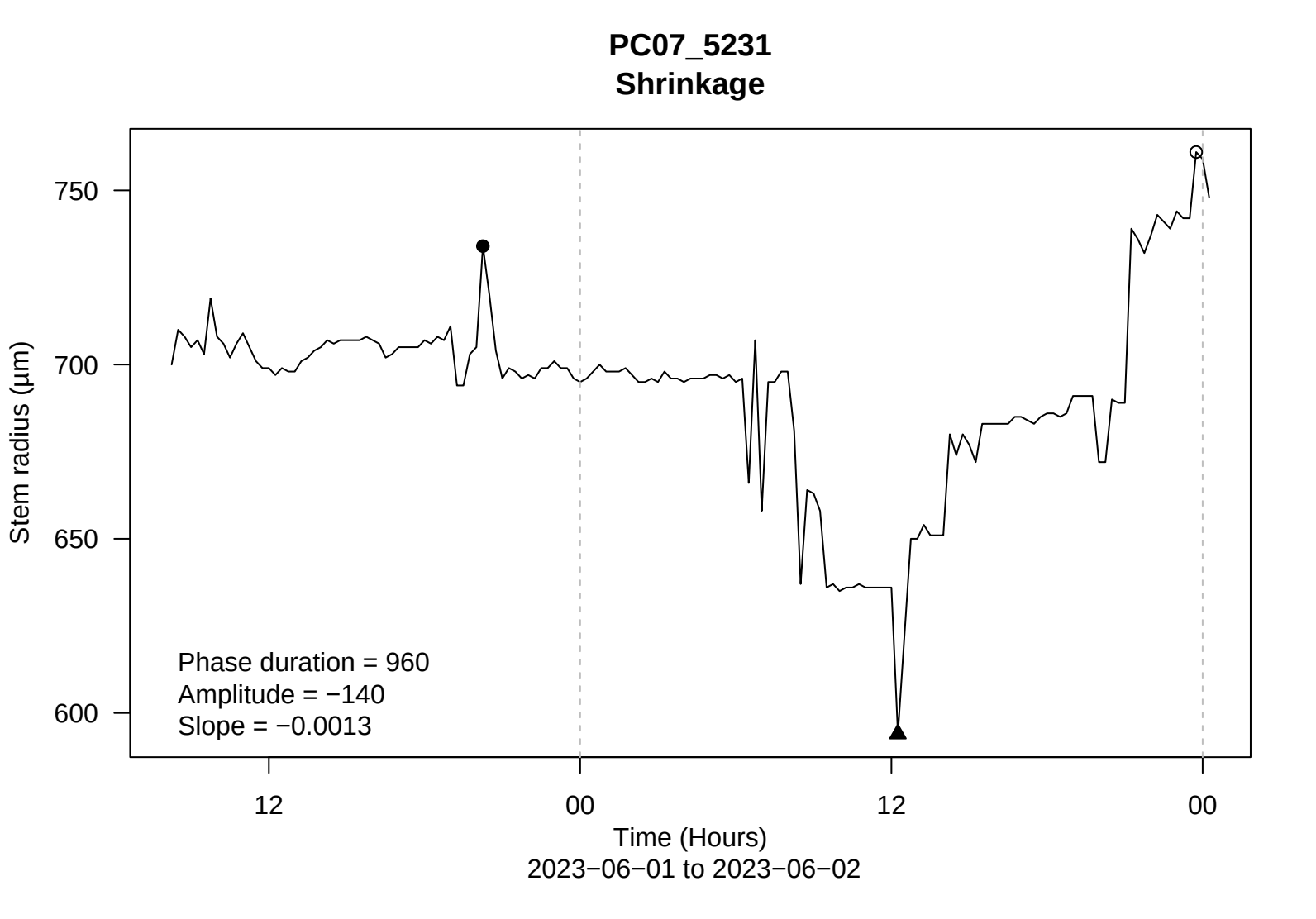

PC07_5231
Expansion
700
690
680
670
660
650
640
630
Stem radius (µm)
00
12
00
12
Time (Hours)
2023−05−27 to 2023−05−28
Phase duration = 810
Amplitude = 40
Slope = 3e−04

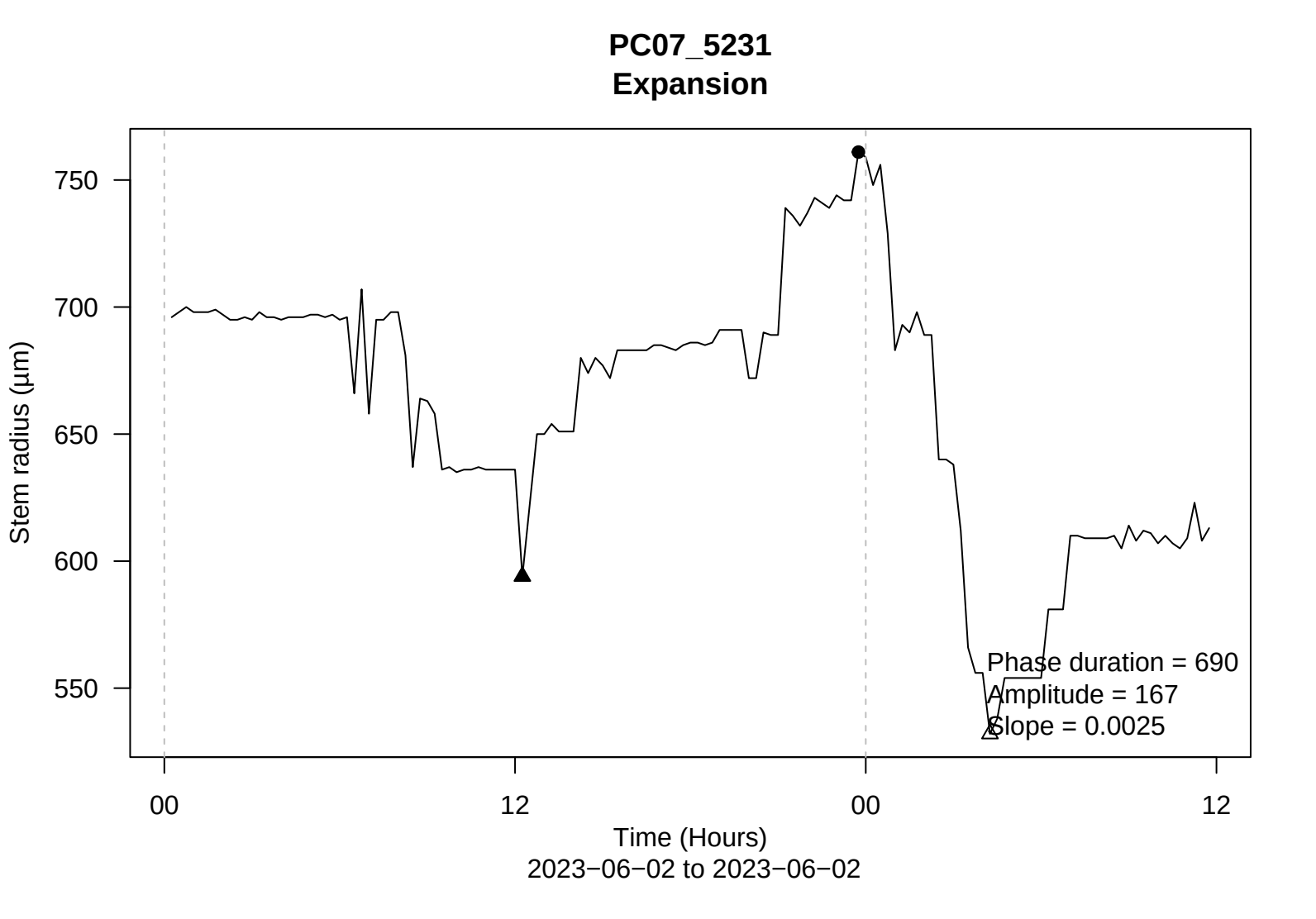

PC07_5231
Expansion
720
710
700
690
Stem radius (µm)
Phase duration = 345
Amplitude = 38
Slope = 6e−04
18
00
06
12
18
Time (Hours)
2023−05−30 to 2023−05−30

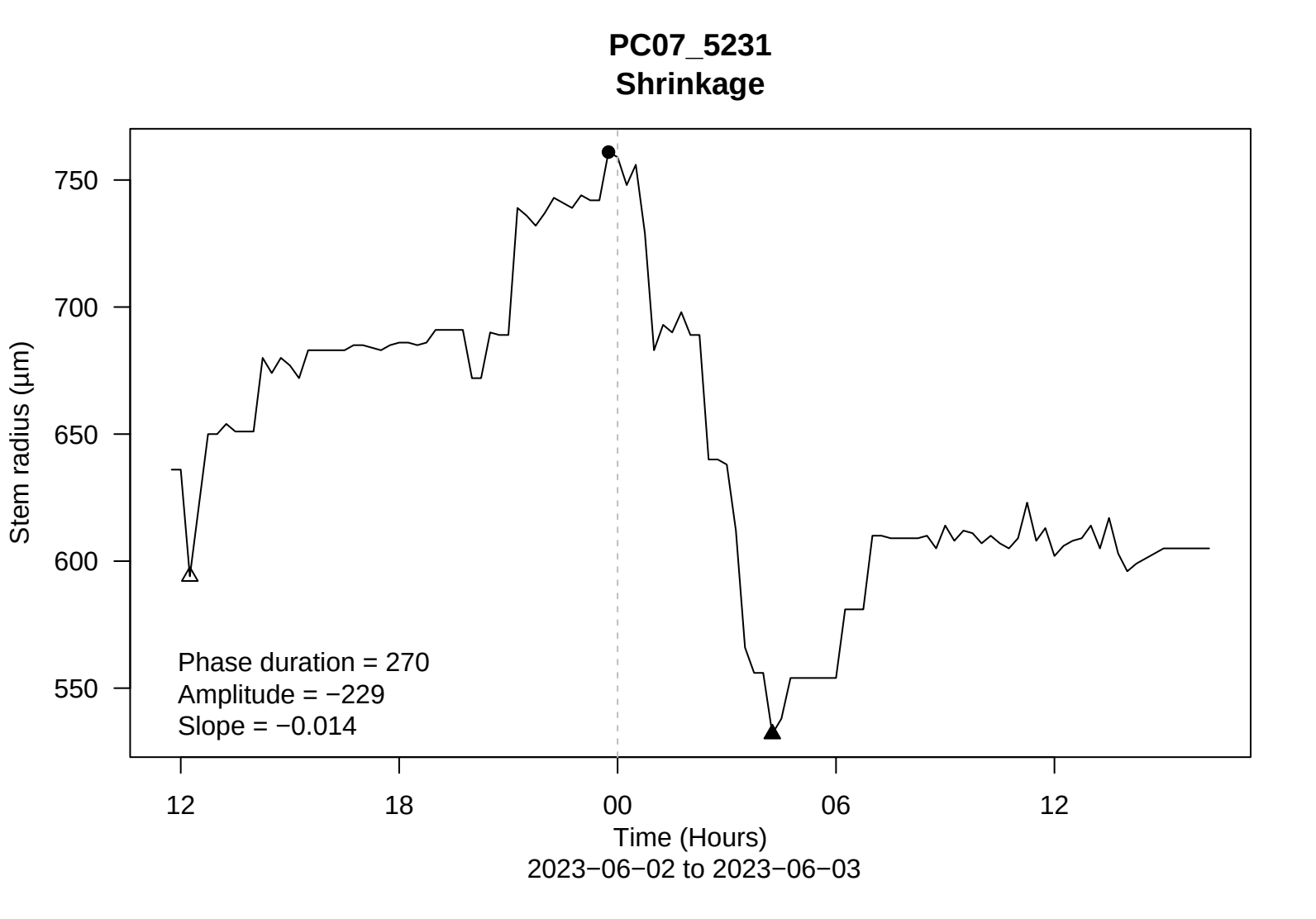

PC07_5231
Shrinkage
720
710
700
690
Stem radius (µm)
Phase duration = 1080
Amplitude = −28
Slope = −1e−04
00
12
00
12
Time (Hours)
2023−05−30 to 2023−05−31

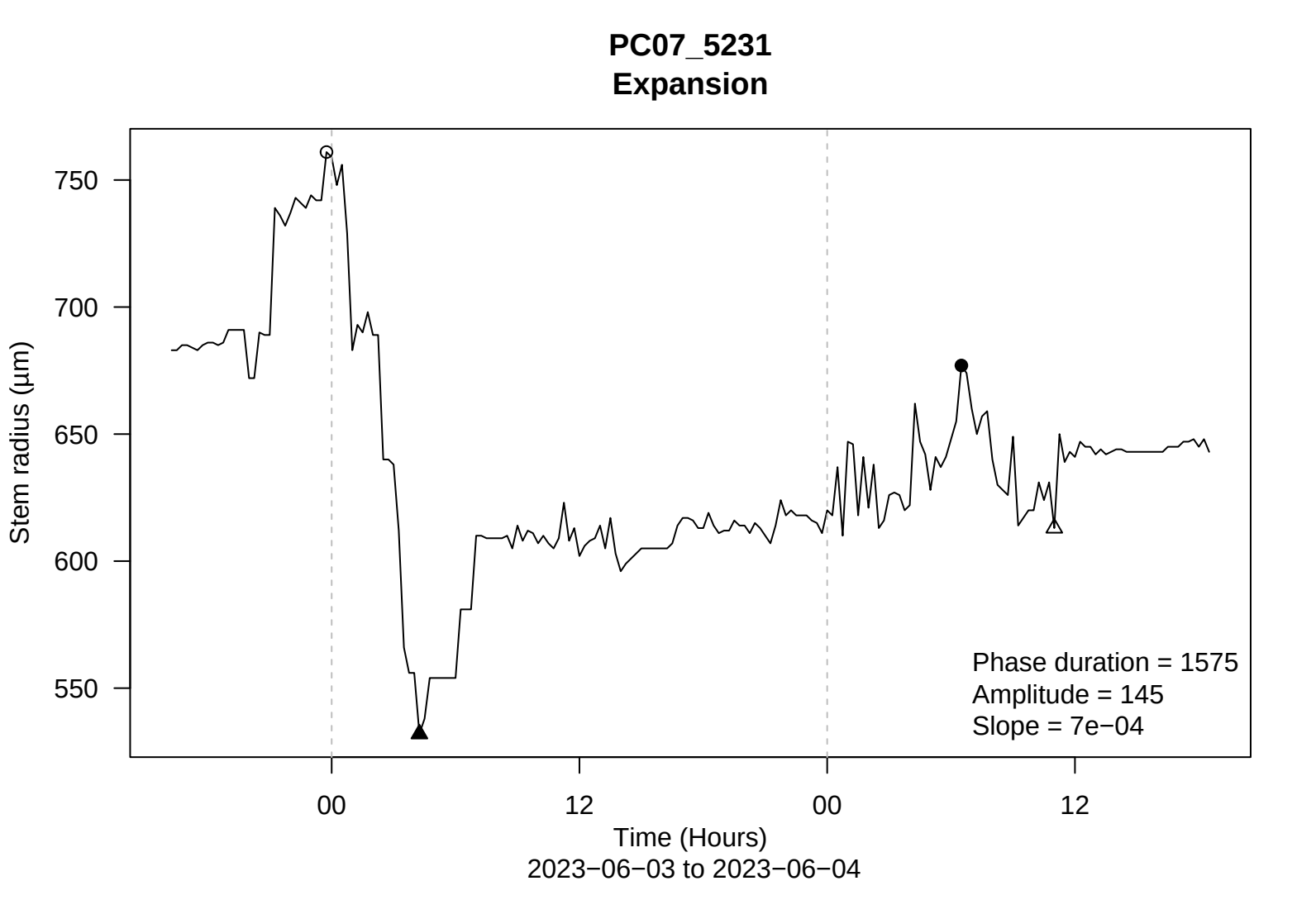

PC07_5231
Expansion
704
702
700
698
696
694
Stem radius (µm)
Phase duration = 600
Amplitude = 12
Slope = 2e−04
12
00
12
00
Time (Hours)
2023−05−31 to 2023−05−31

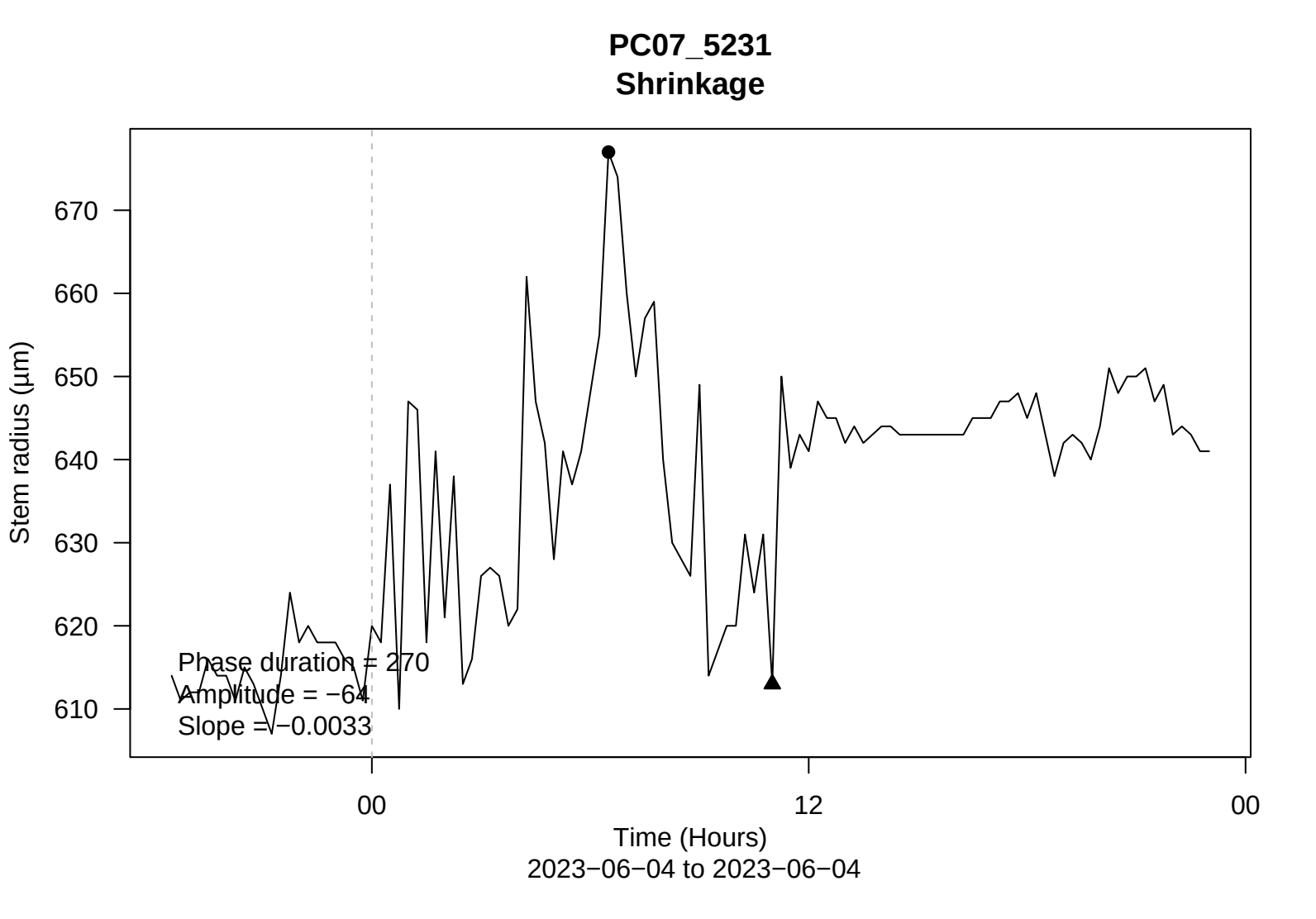

PC07_5231
Shrinkage
720
715
710
705
700
695
Stem radius (µm)
Phase duration = 1125
Amplitude = −11
Slope = 0
00
12
00
12
Time (Hours)
2023−05−31 to 2023−06−01

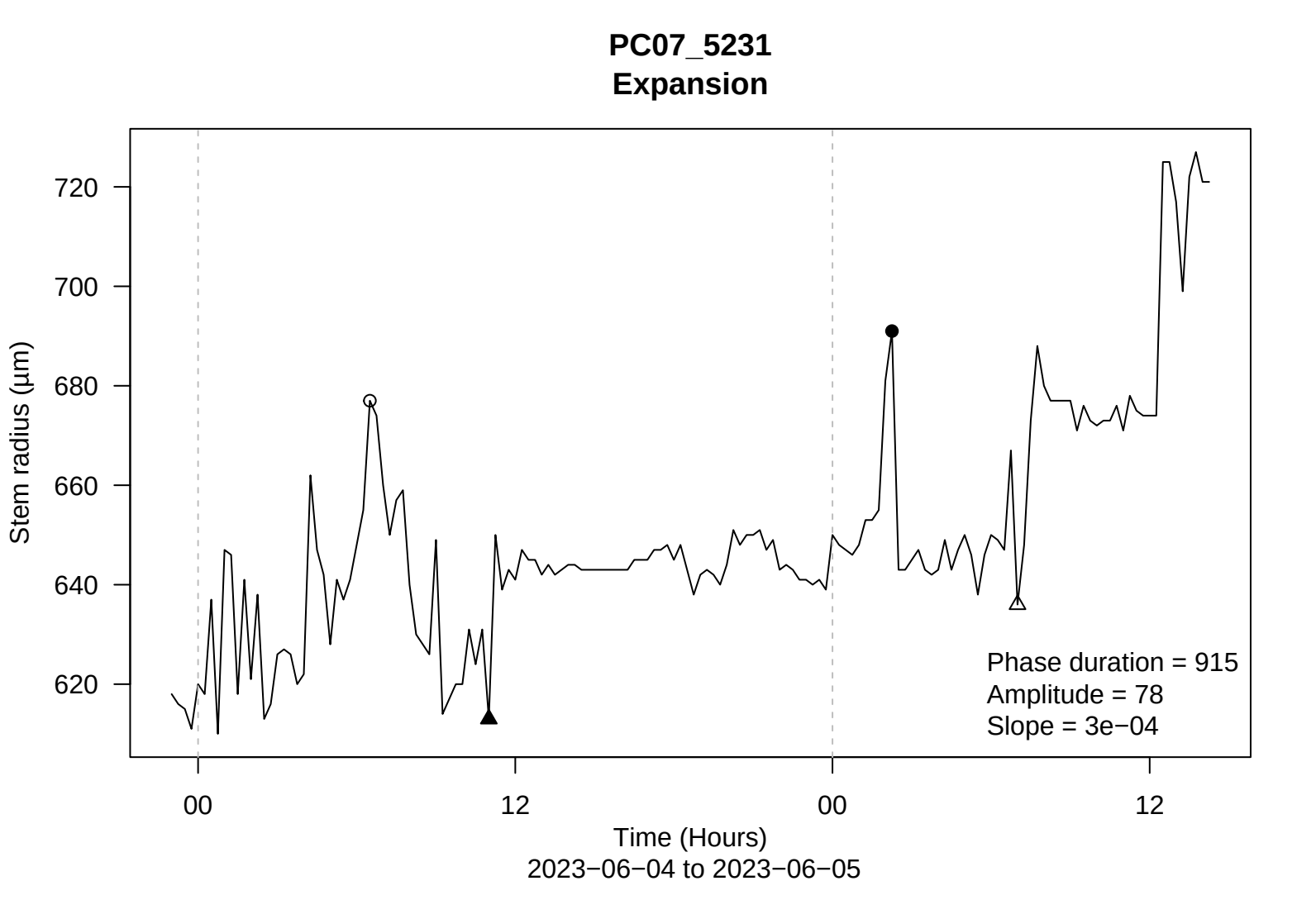

PC07_5231
Shrinkage
750
700
650
600
Stem radius (µm)
Phase duration = 960
Amplitude = −140
Slope = −0.0013
12
00
12
00
Time (Hours)
2023−06−01 to 2023−06−02

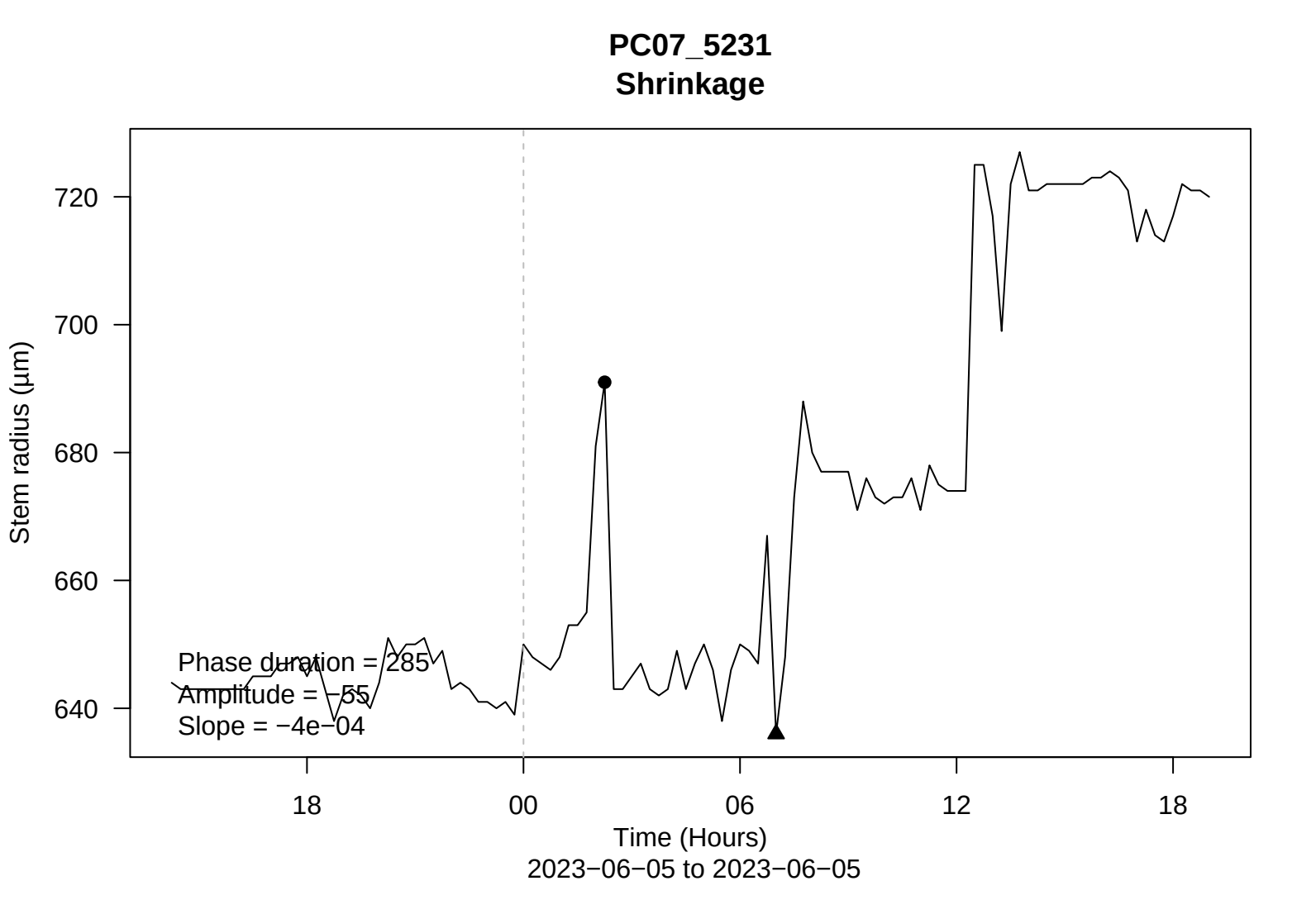

PC07_5231
Expansion
750
700
650
600
550
Stem radius (µm)
Phase duration = 690
Amplitude = 167
Slope = 0.0025
00
12
00
12
Time (Hours)
2023−06−02 to 2023−06−02

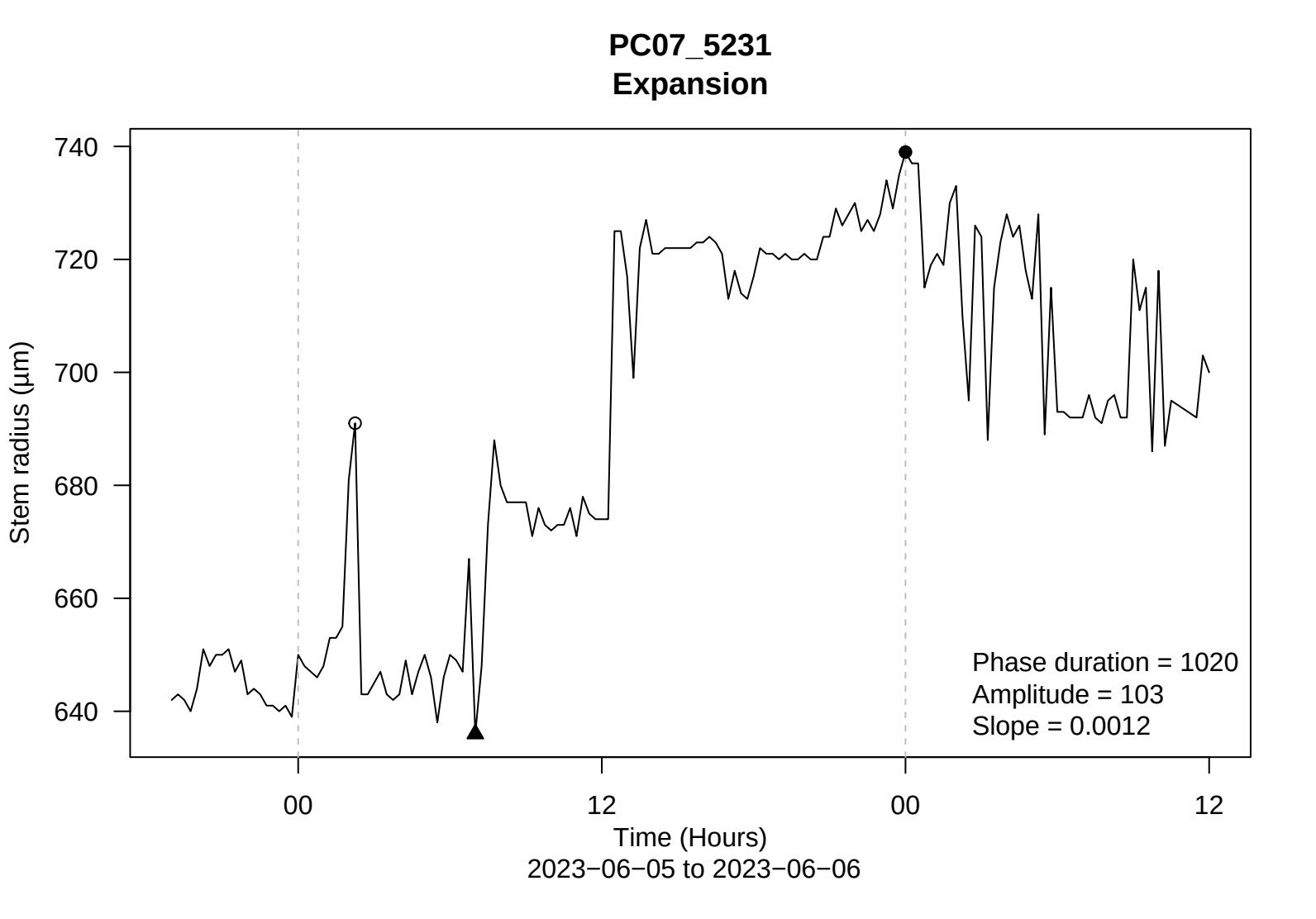

PC07_5231
Shrinkage
750
700
650
600
550
Stem radius (µm)
Phase duration = 270
Amplitude = −229
Slope = −0.014
12
18
00
06
12
Time (Hours)
2023−06−02 to 2023−06−03

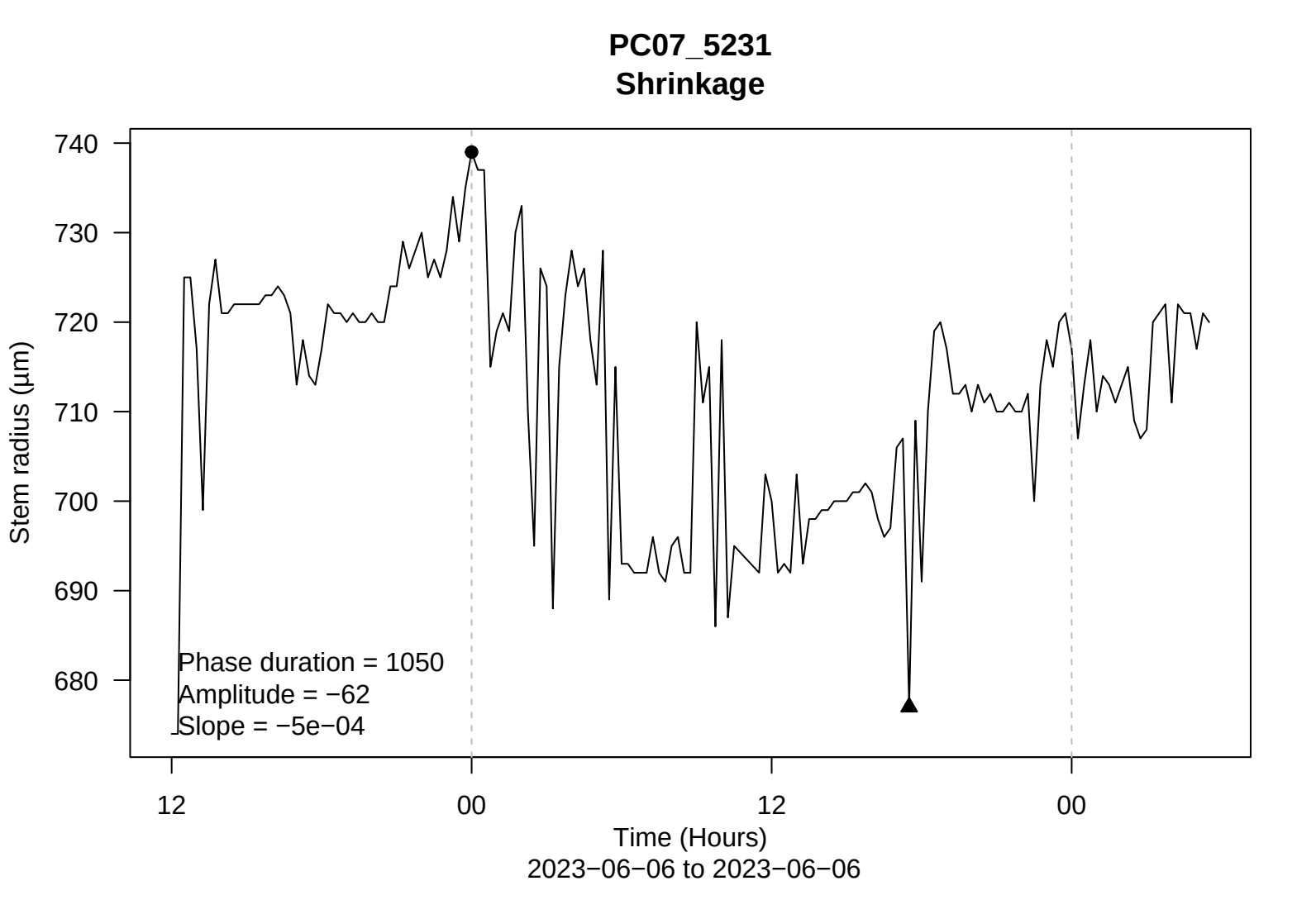

PC07_5231
Expansion
750
700
650
600
550
Stem radius (µm)
00
12
00
12
Time (Hours)
2023−06−03 to 2023−06−04
Phase duration = 1575
Amplitude = 145
Slope = 7e−04

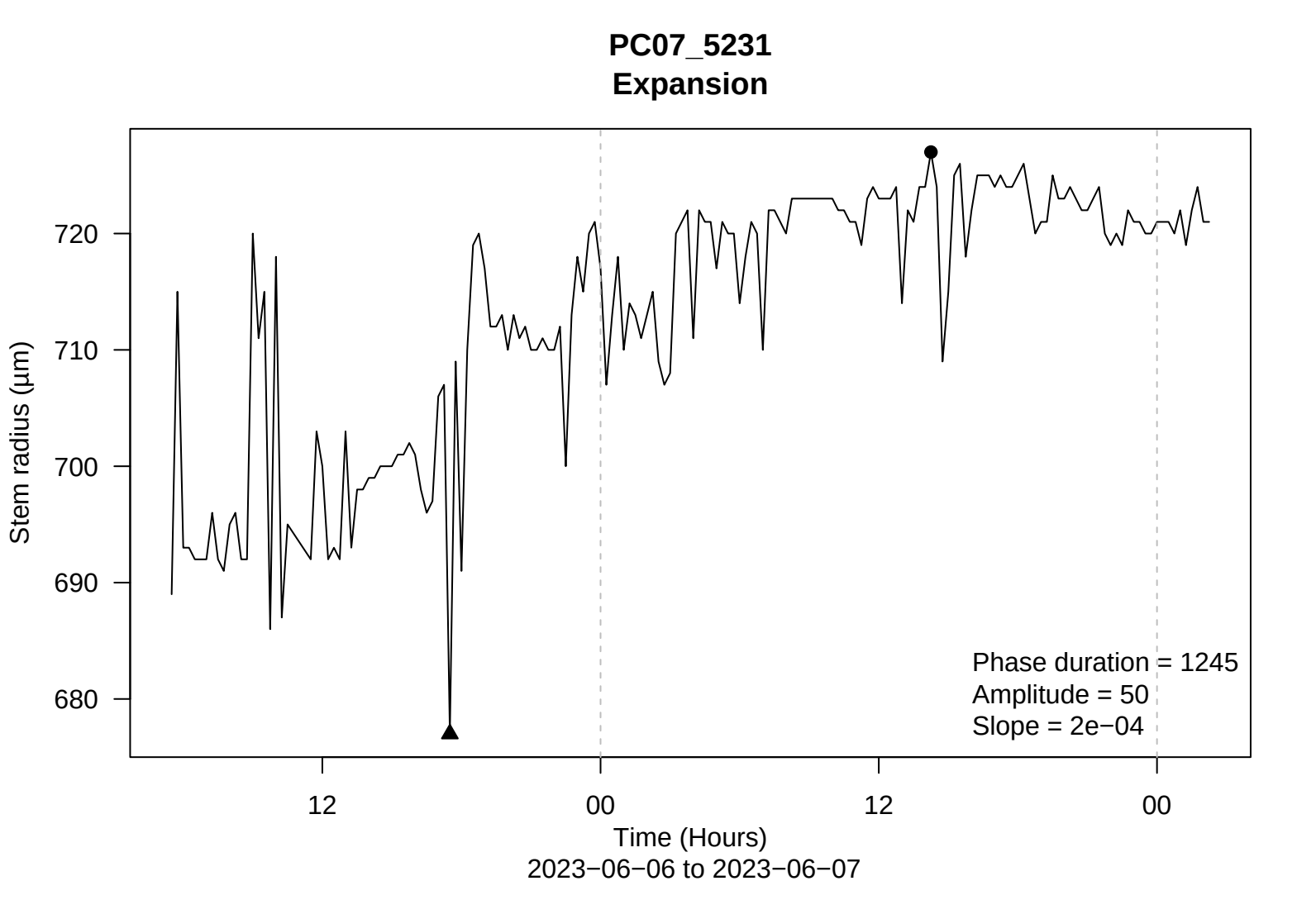

PC07_5231
Shrinkage
Stem radius (µm)
670
660
650
640
630
620
610
Phase duration = 270
Amplitude = −64
Slope = −0.0033
00
12
00
Time (Hours)
2023−06−04 to 2023−06−04

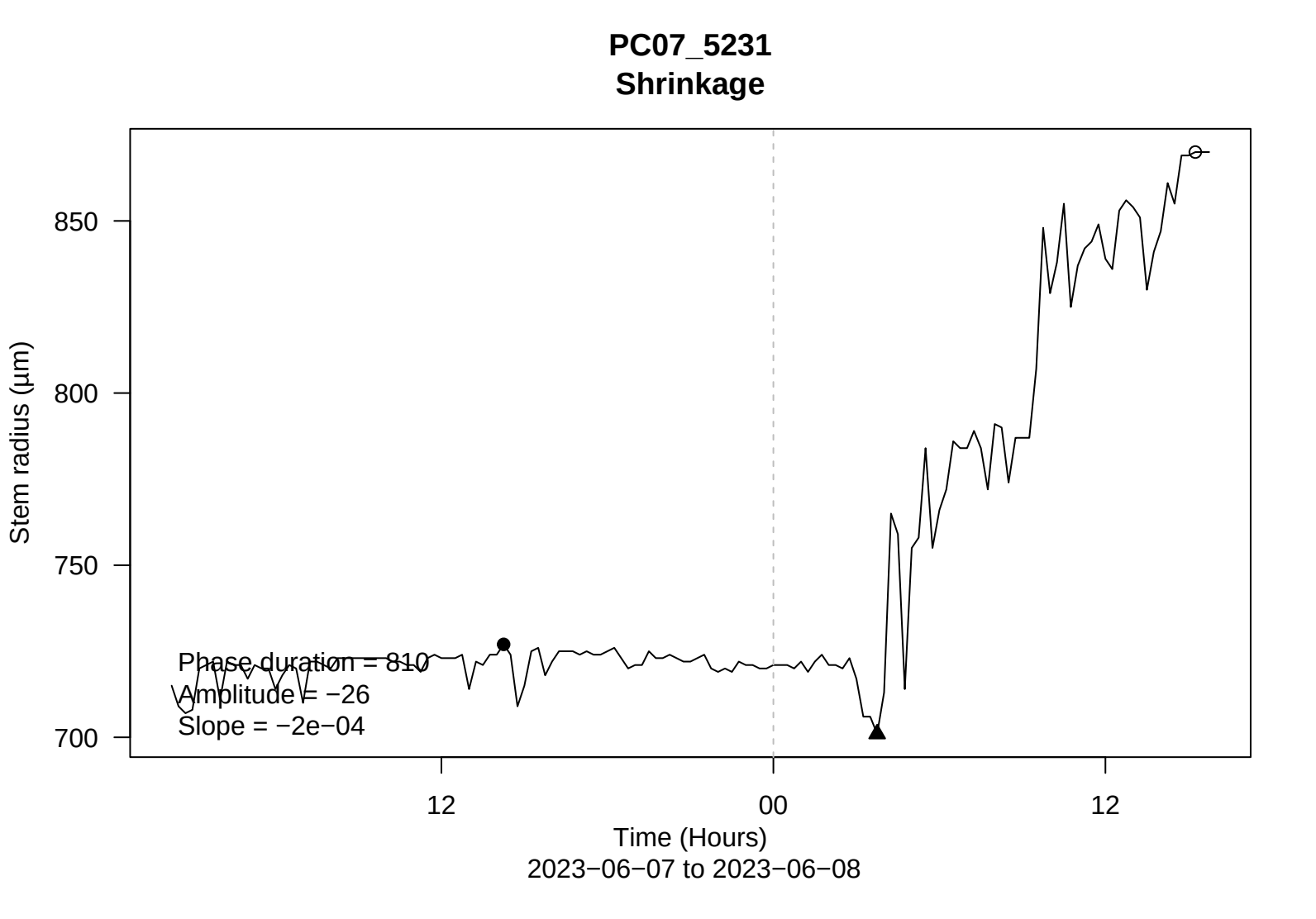

PC07_5231
Expansion
720
700
680
660
640
620
Stem radius (µm)
00
12
00
12
Time (Hours)
2023−06−04 to 2023−06−05
Phase duration = 915
Amplitude = 78
Slope = 3e−04

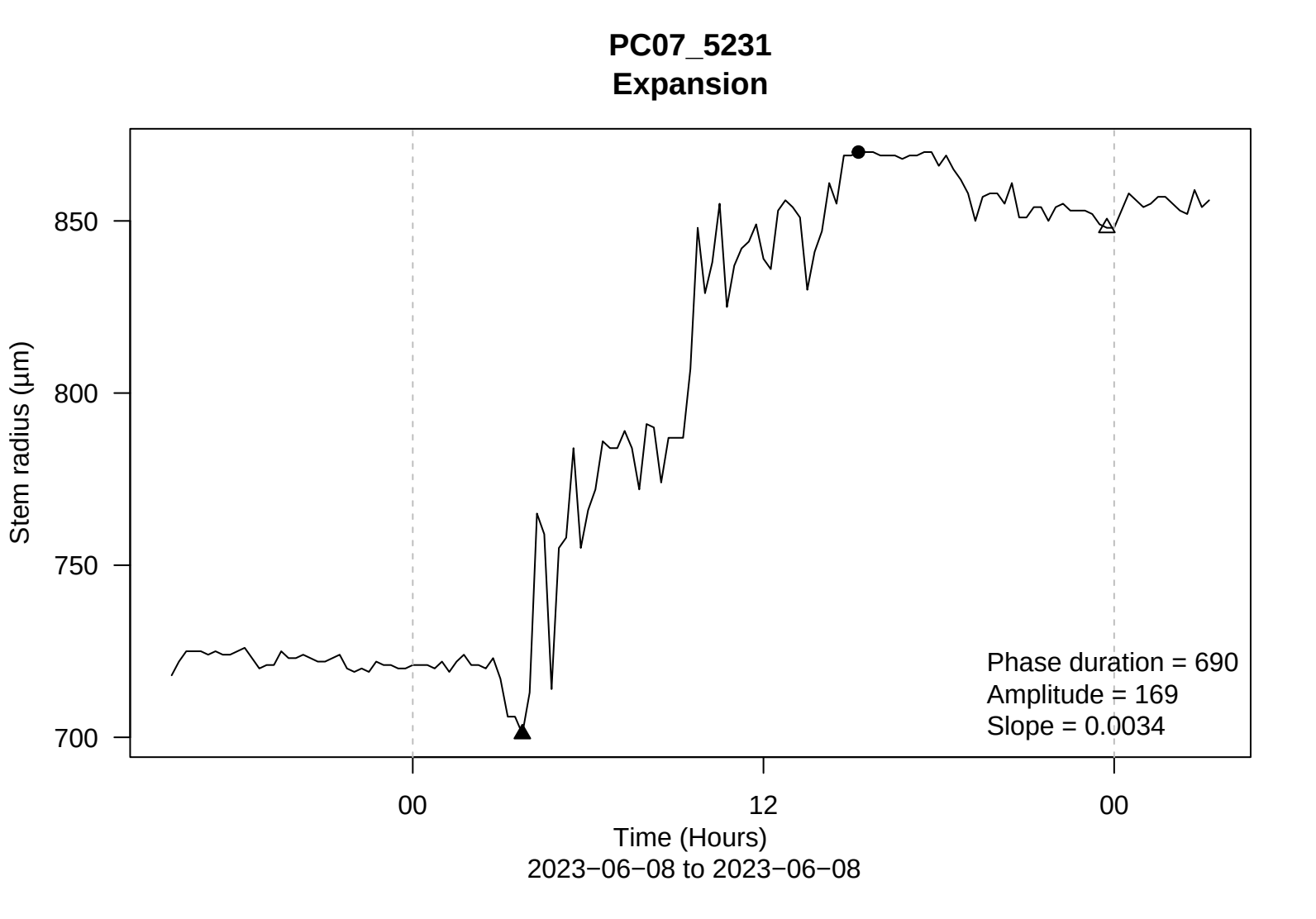

PC07_5231
Shrinkage
720
700
680
660
640
Stem radius (µm)
Phase duration = 285
Amplitude = −55
Slope = −4e−04
18
00
06
12
18
Time (Hours)
2023−06−05 to 2023−06−05

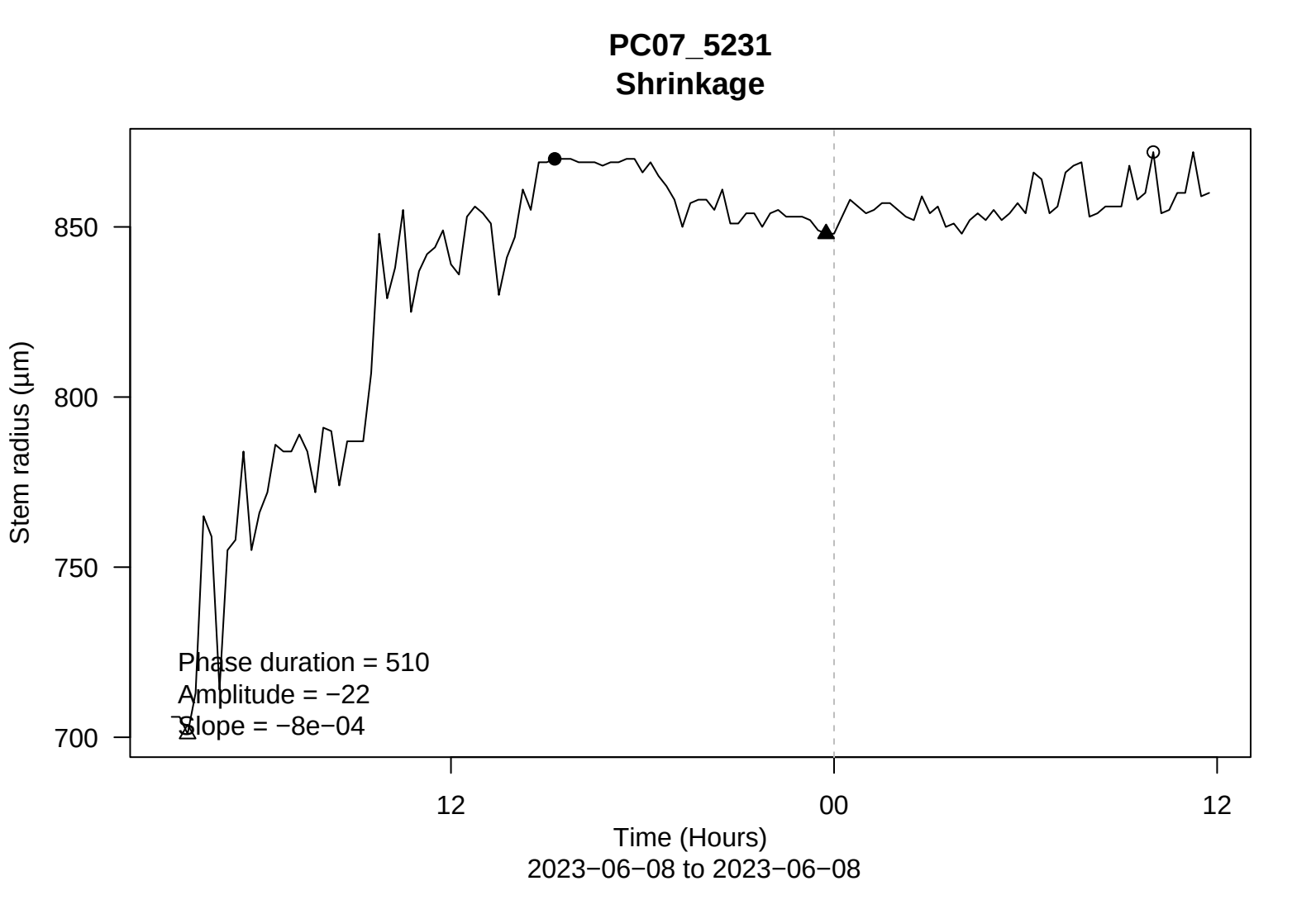

PC07_5231
Expansion
740
720
700
680
660
640
Stem radius (µm)
Phase duration = 1020
Amplitude = 103
Slope = 0.0012
00
12
00
12
Time (Hours)
2023−06−05 to 2023−06−06

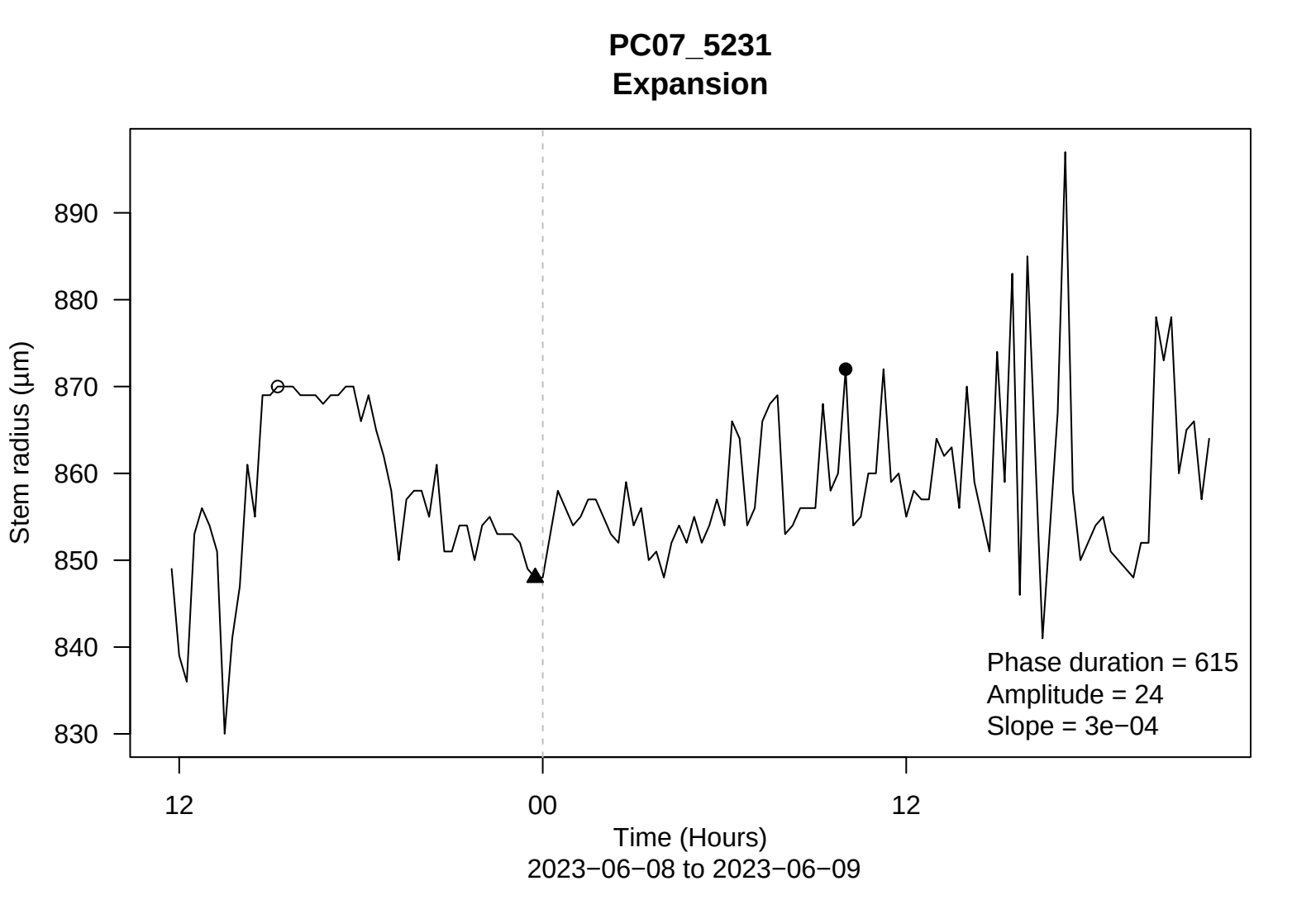

PC07_5231
Shrinkage
740
730
720
710
700
690
680
Stem radius (µm)
Phase duration = 1050
Amplitude = −62
Slope = −5e−04
12
00
12
00
Time (Hours)
2023−06−06 to 2023−06−06

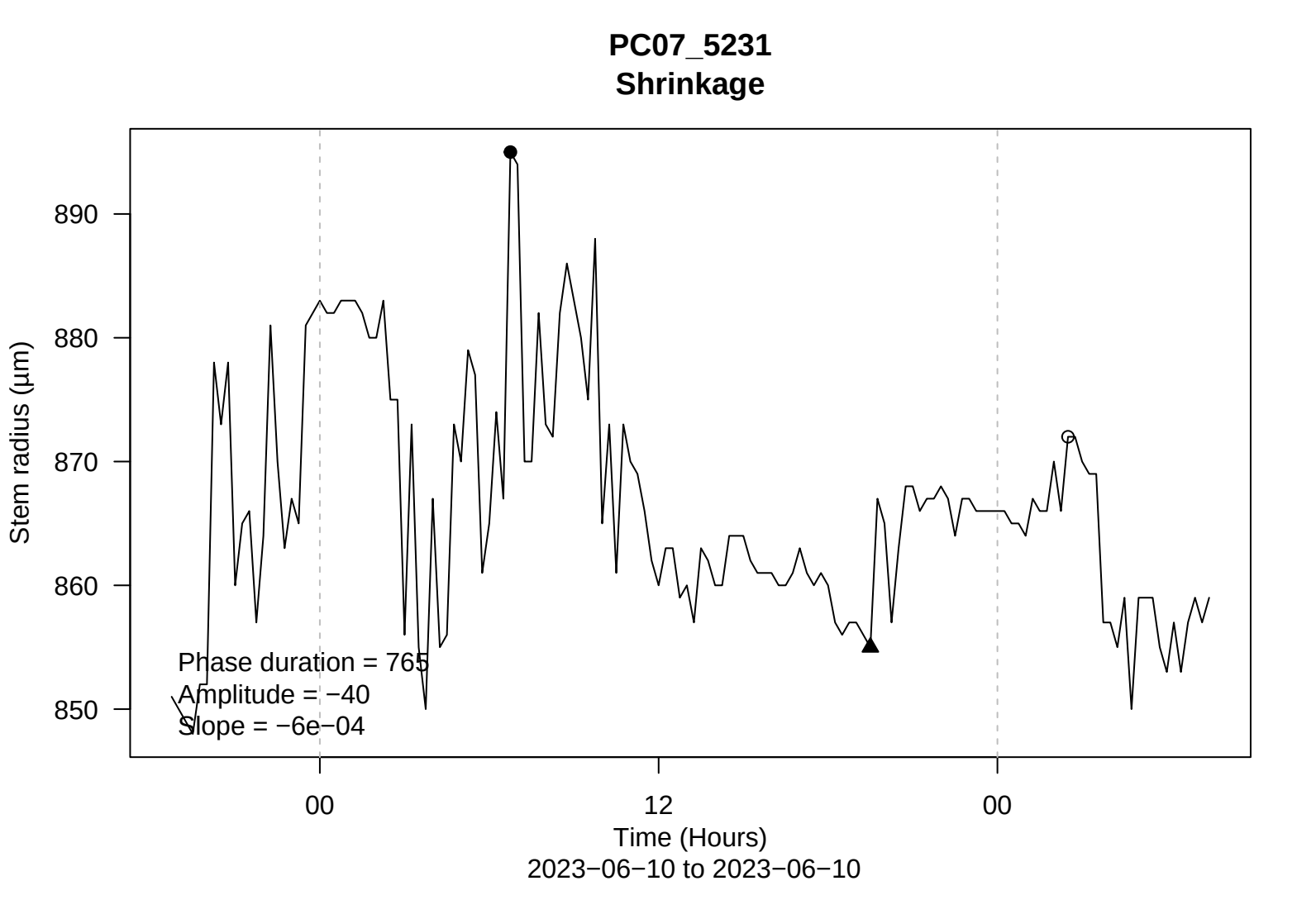

PC07_5231
Expansion
720
710
700
690
680
Stem radius (µm)
Phase duration = 1245
Amplitude = 50
Slope = 2e−04
12
00
12
00
Time (Hours)
2023−06−06 to 2023−06−07

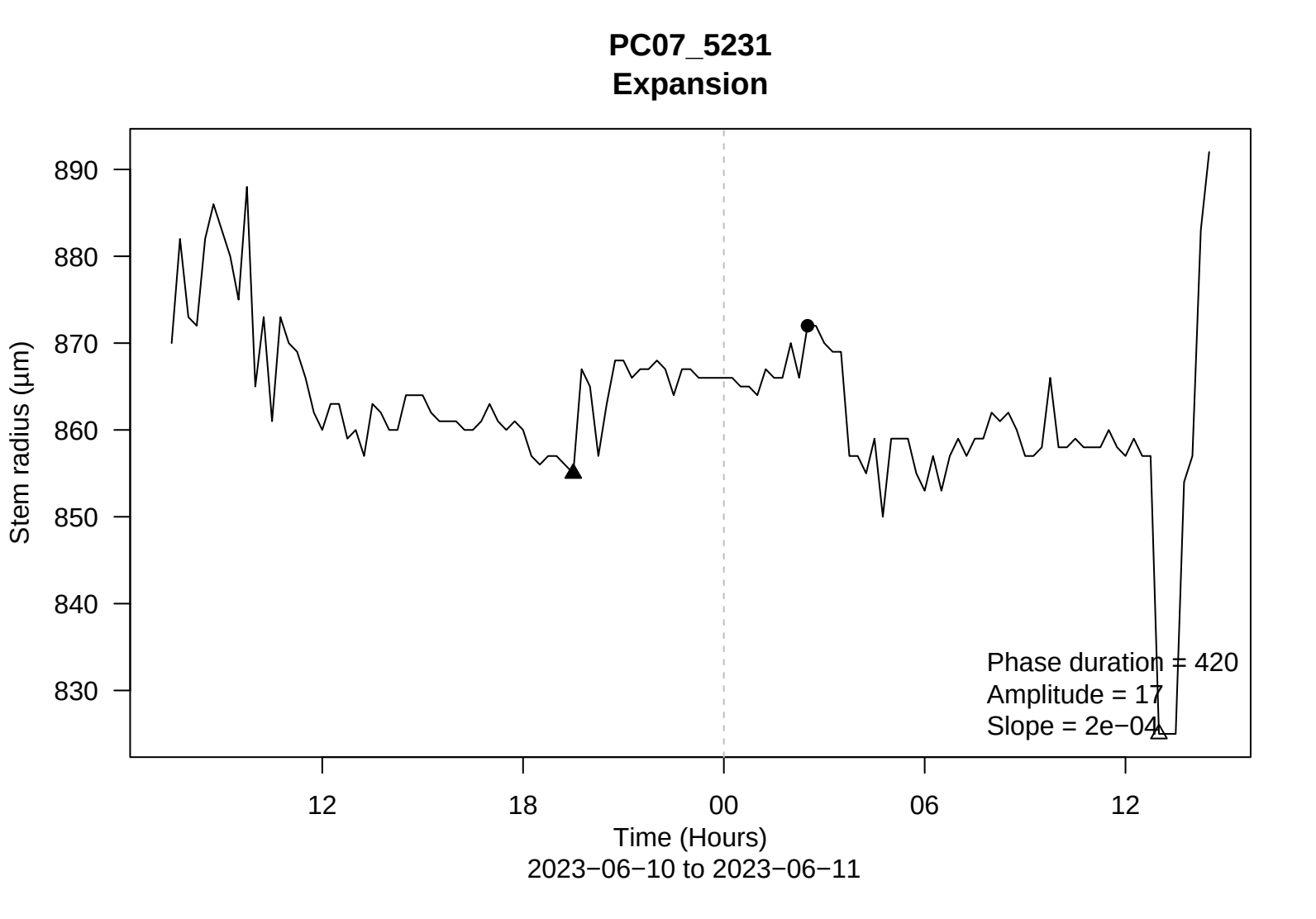

PC07_5231
Shrinkage
Stem radius (µm)
850
800
750
700
Phase duration = 810
Amplitude = −26
Slope = −2e−04
12
00
12
Time (Hours)
2023−06−07 to 2023−06−08

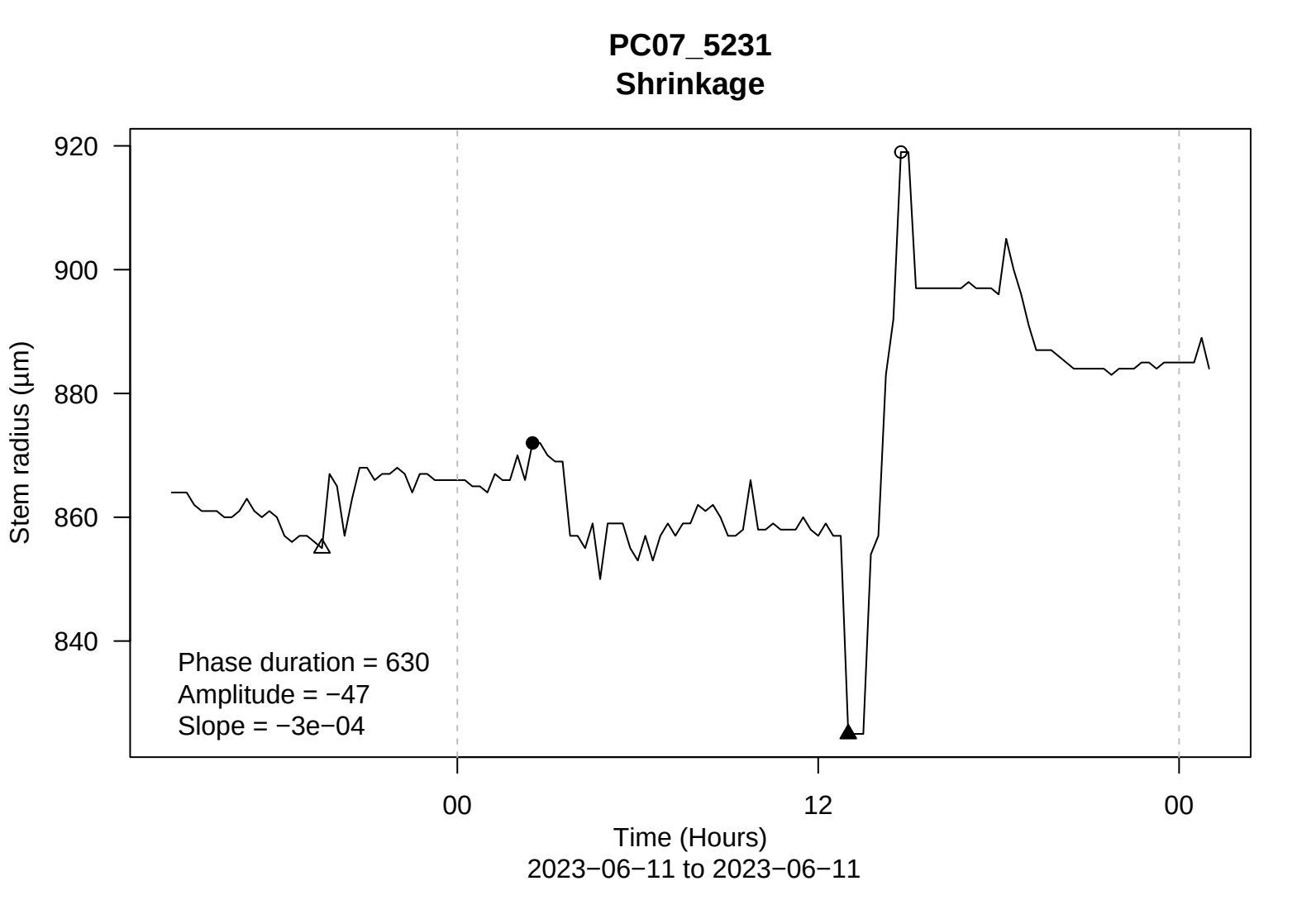

PC07_5231
Expansion
850
800
750
700
Stem radius (µm)
Phase duration = 690
Amplitude = 169
Slope = 0.0034
00
12
00
Time (Hours)
2023−06−08 to 2023−06−08

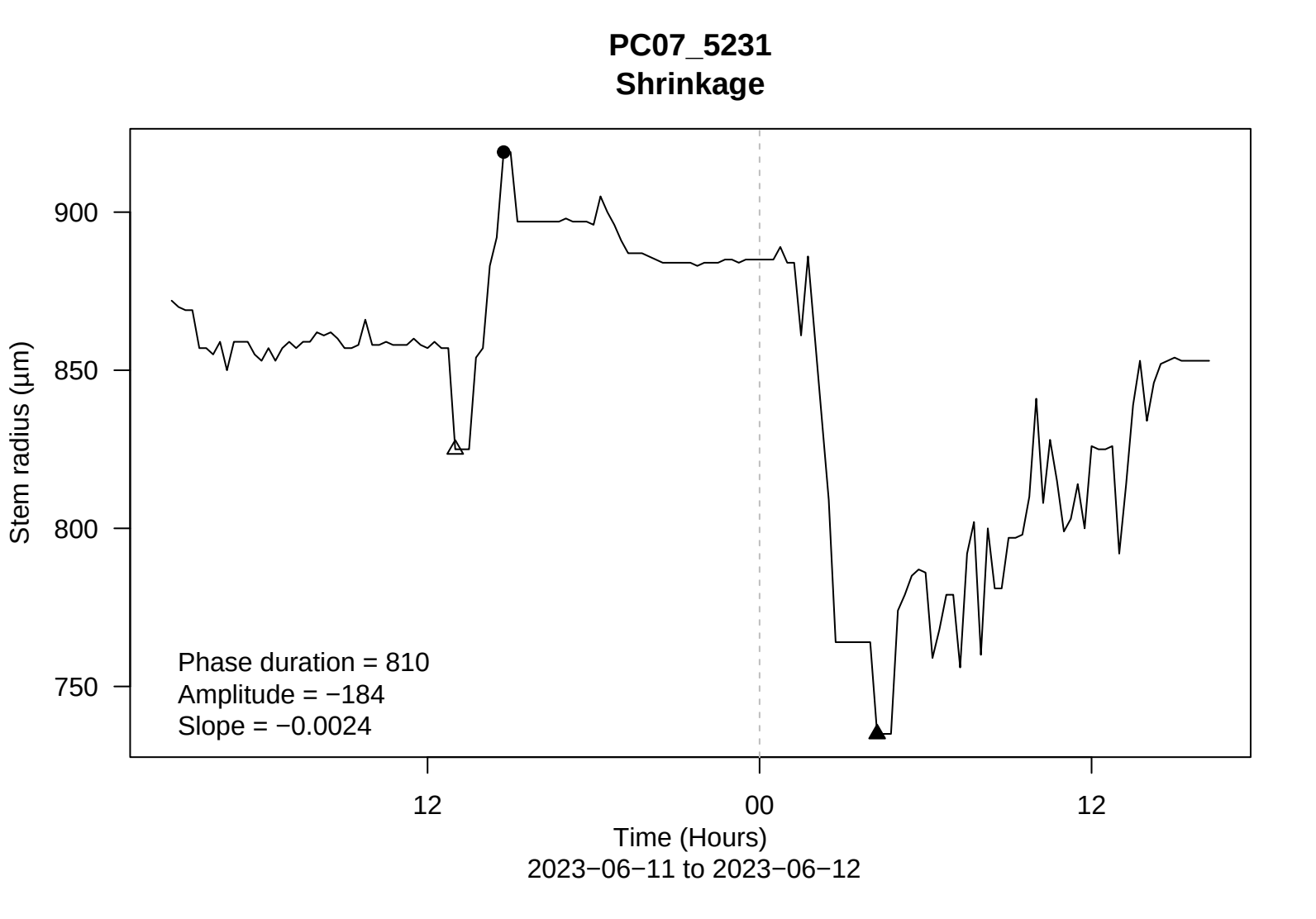

PC07_5231
Shrinkage
Stem radius (µm)
850
800
750
700
Phase duration = 510
Amplitude = −22
Slope = −8e−04
12
00
12
Time (Hours)
2023−06−08 to 2023−06−08

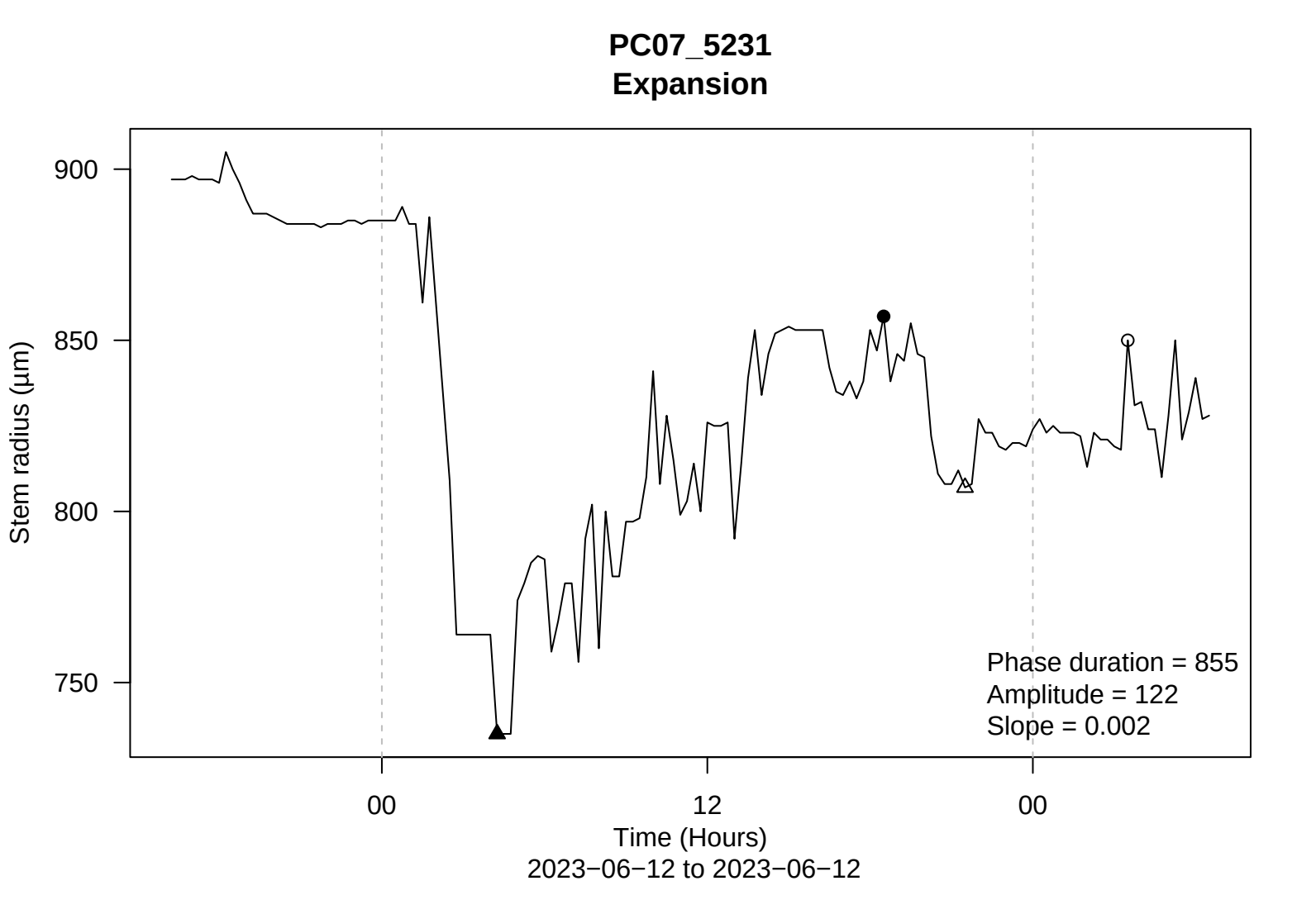

PC07_5231
Expansion
Stem radius (µm)
890
880
870
860
850
840
830
12
00
12
Time (Hours)
2023−06−08 to 2023−06−09
Phase duration = 615
Amplitude = 24
Slope = 3e−04

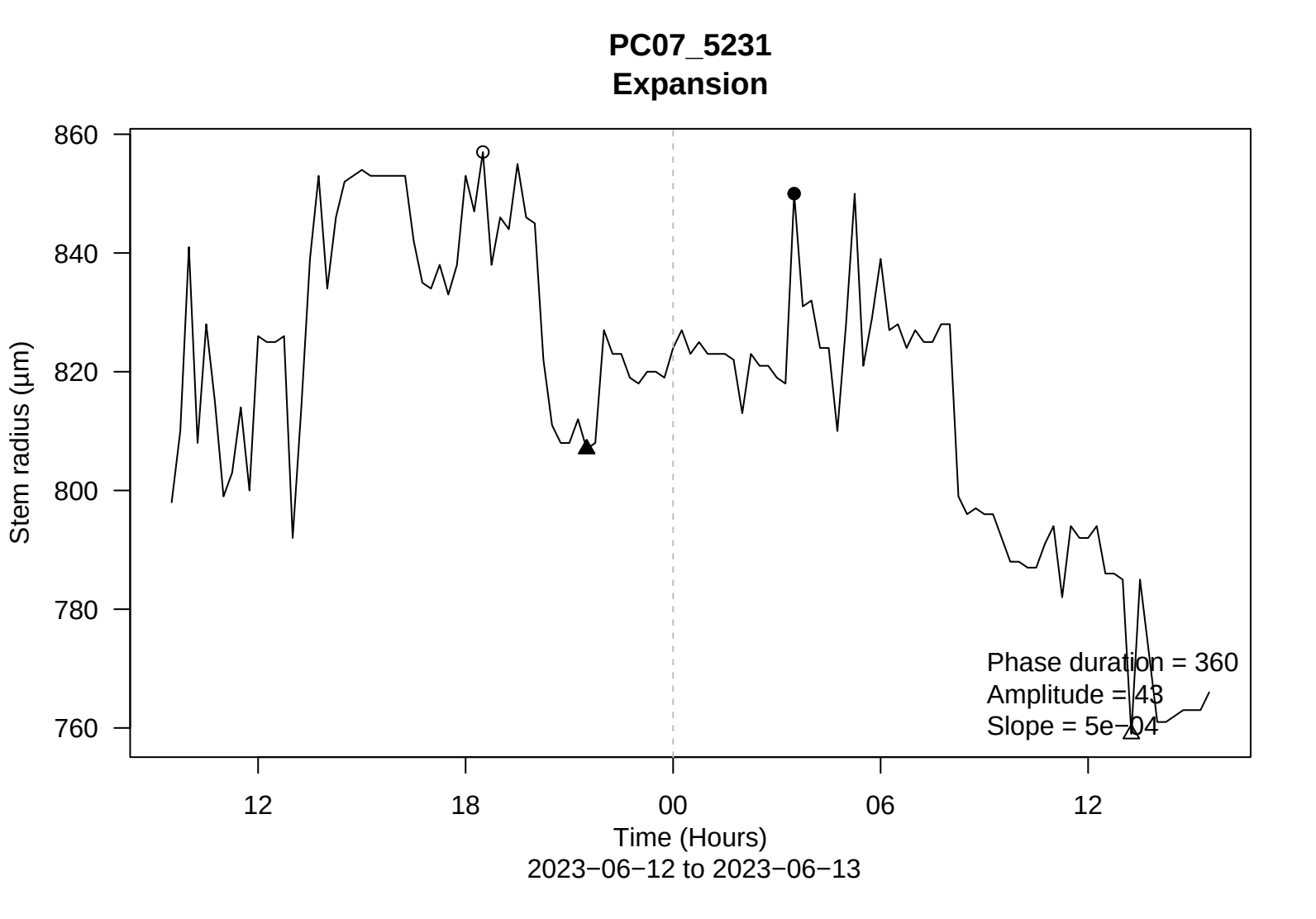

PC07_5231
Shrinkage
Stem radius (µm)
890
880
870
860
850
Phase duration = 765
Amplitude = −40
Slope = −6e−04
00
12
00
Time (Hours)
2023−06−10 to 2023−06−10

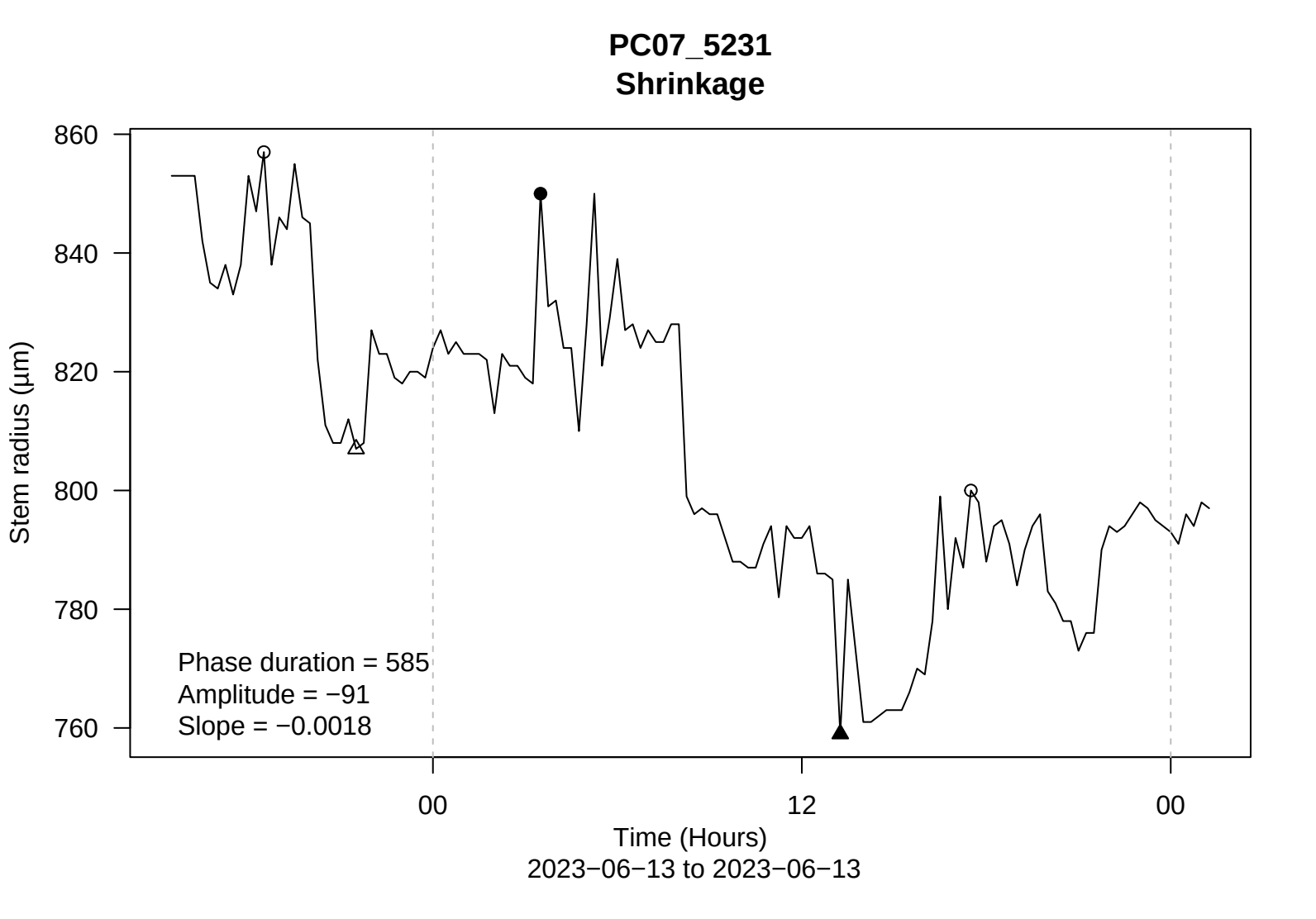

PC07_5231
Expansion
Stem radius (µm)
890
880
870
860
850
840
830
12
18
00
06
12
Time (Hours)
2023−06−10 to 2023−06−11
Phase duration = 420
Amplitude = 17
Slope = 2e−04

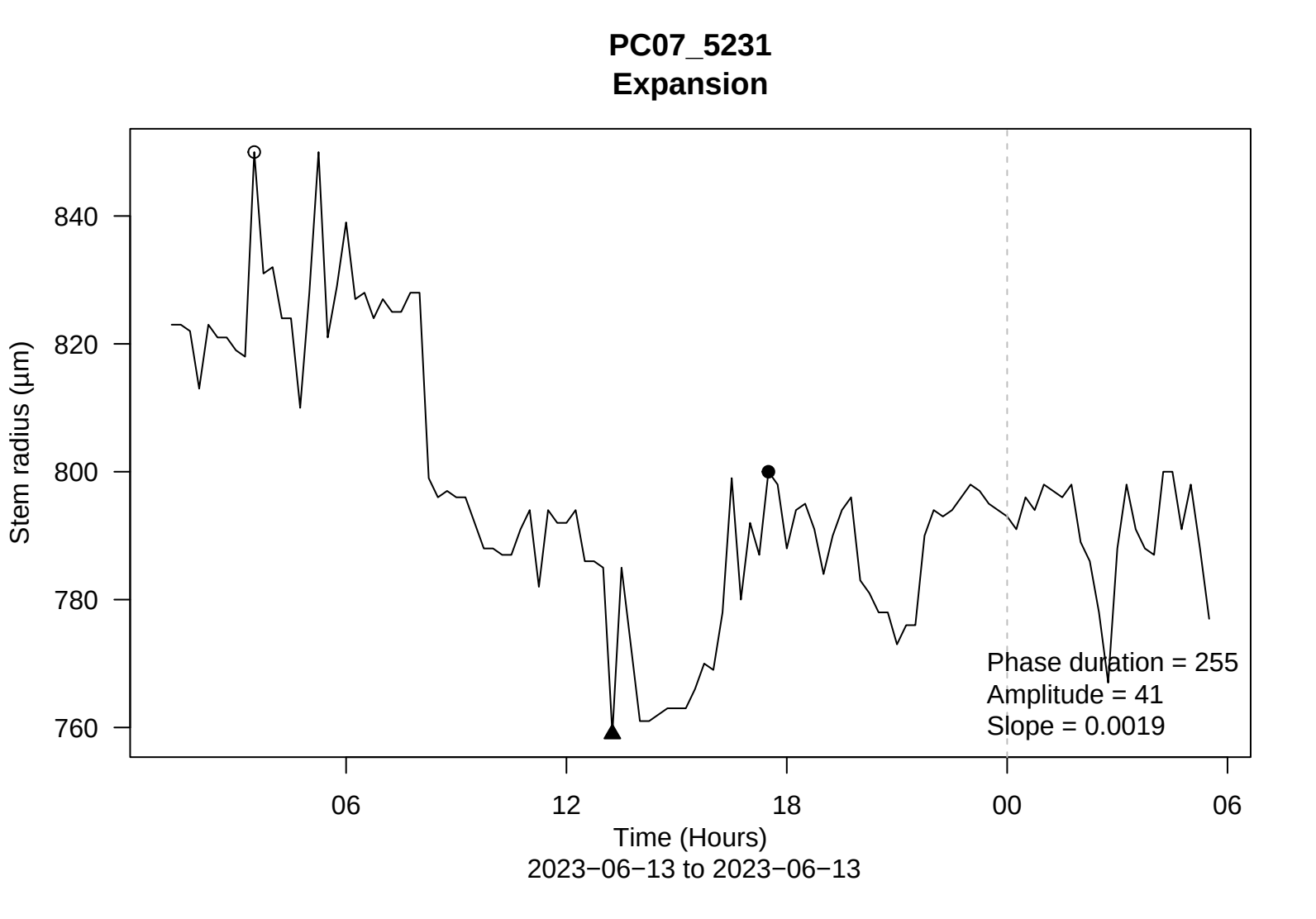

PC07_5231
Shrinkage
920
900
880
860
840
Stem radius (µm)
Phase duration = 630
Amplitude = −47
Slope = −3e−04
00
12
00
Time (Hours)
2023−06−11 to 2023−06−11

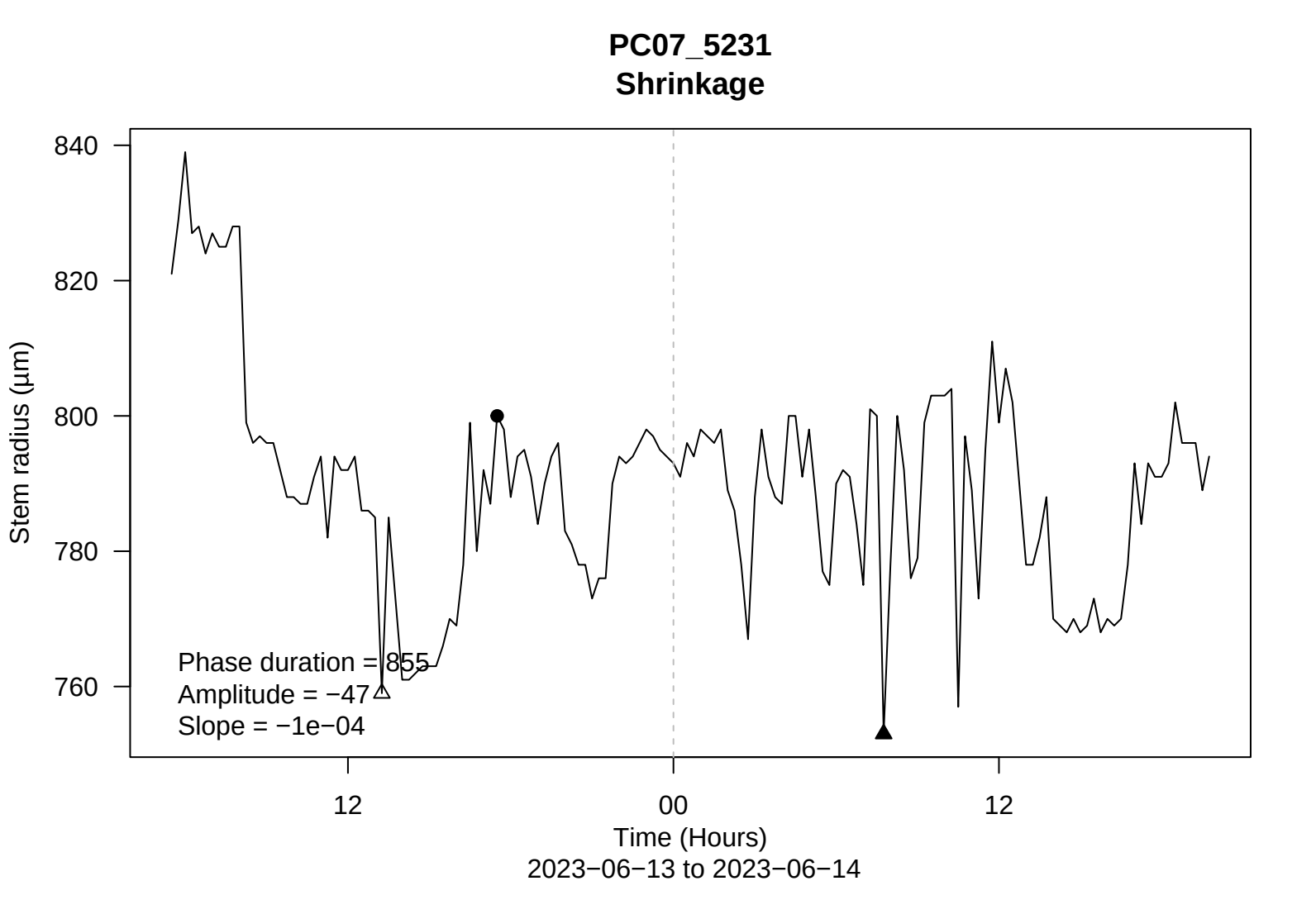

PC07_5231
Shrinkage
900
850
800
750
Stem radius (µm)
Phase duration = 810
Amplitude = −184
Slope = −0.0024
12
00
12
Time (Hours)
2023−06−11 to 2023−06−12

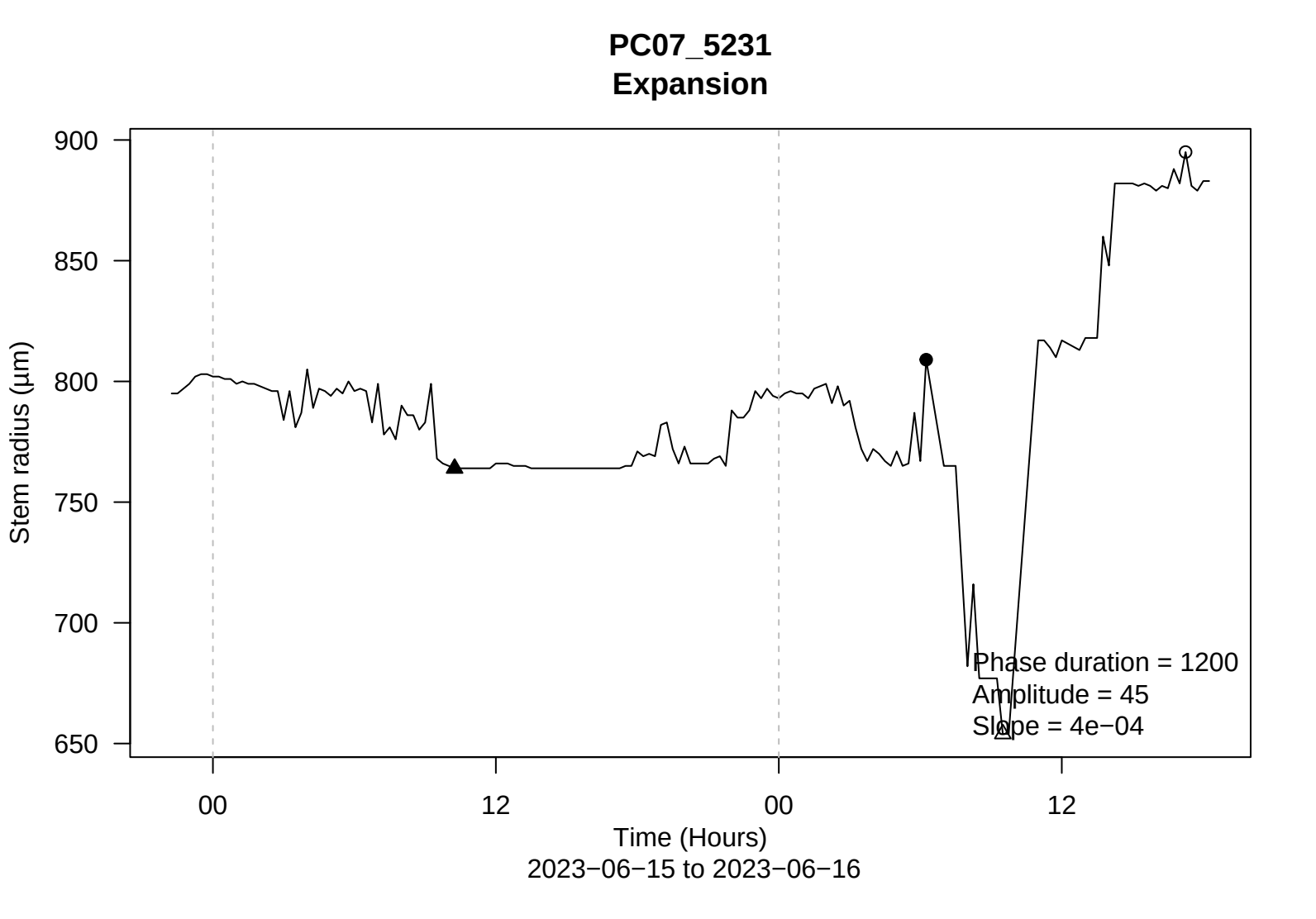

PC07_5231
Expansion
900
850
800
750
Stem radius (µm)
00
12
00
Time (Hours)
2023−06−12 to 2023−06−12
Phase duration = 855
Amplitude = 122
Slope = 0.002

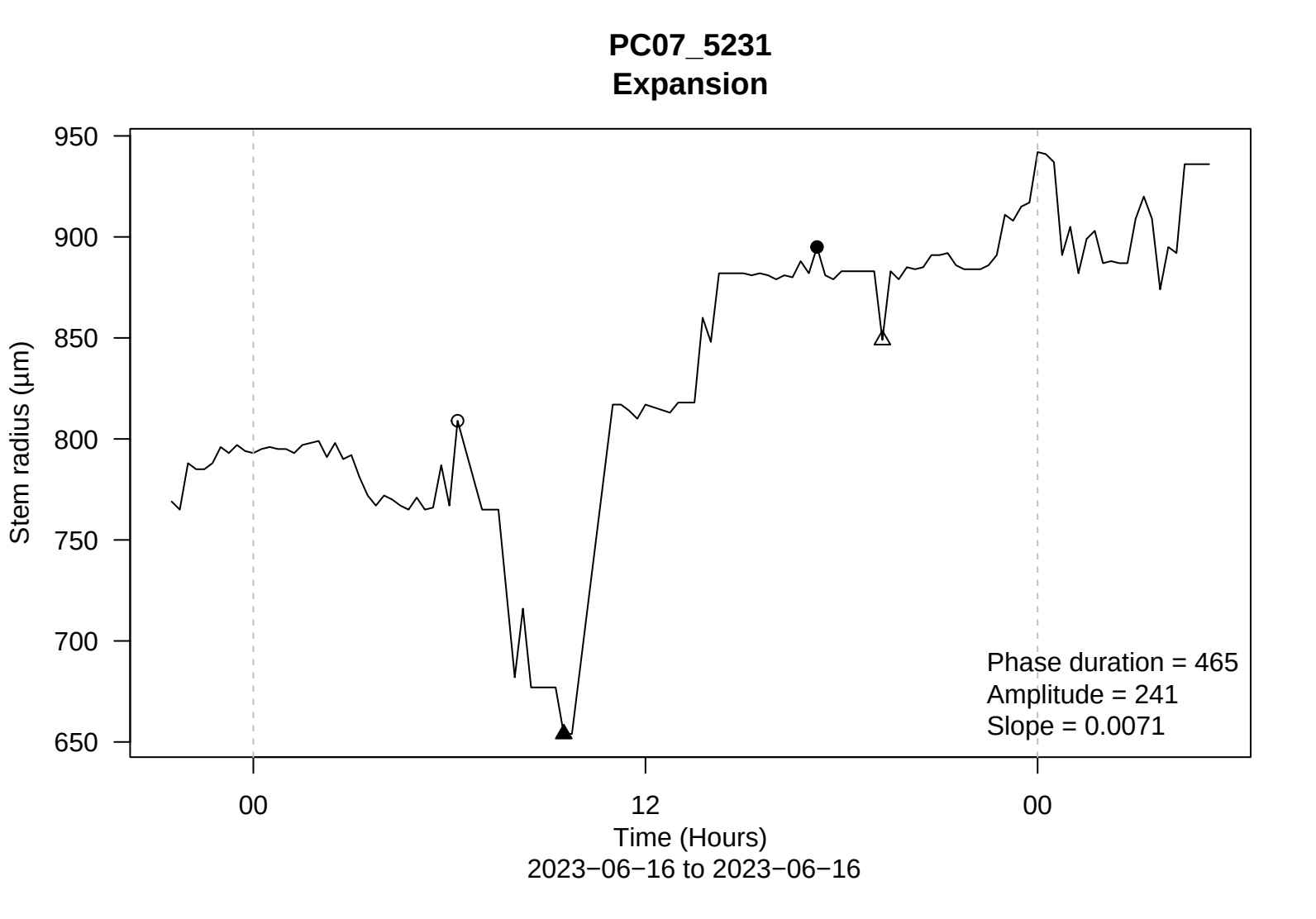

PC07_5231
Expansion
860
840
820
800
780
760
Stem radius (µm)
12
18
00
06
12
Time (Hours)
2023−06−12 to 2023−06−13
Phase duration = 360
Amplitude = 43
Slope = 5e−04

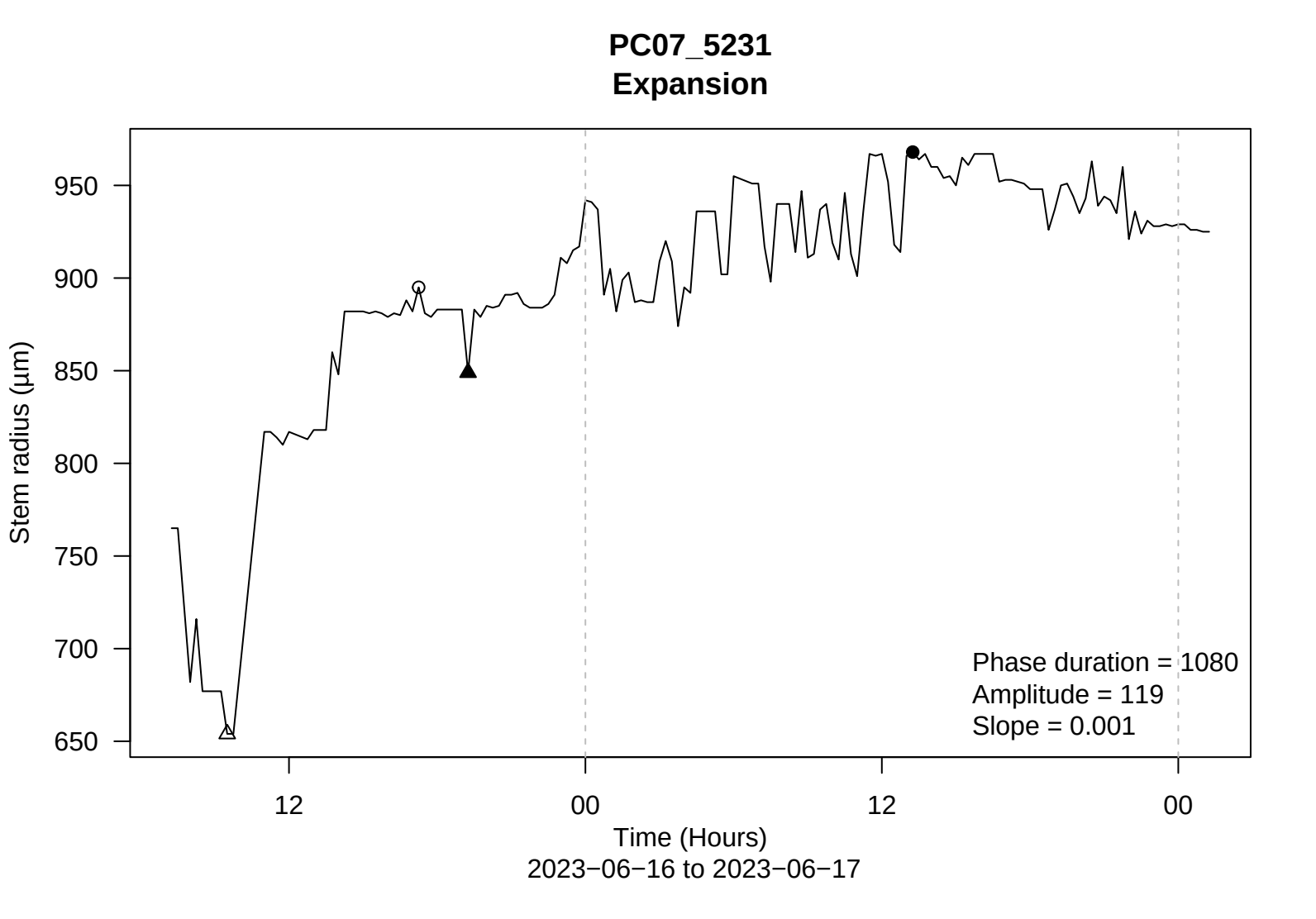

PC07_5231
Shrinkage
860
840
820
800
780
760
Stem radius (µm)
Phase duration = 585
Amplitude = −91
Slope = −0.0018
00
12
00
Time (Hours)
2023−06−13 to 2023−06−13

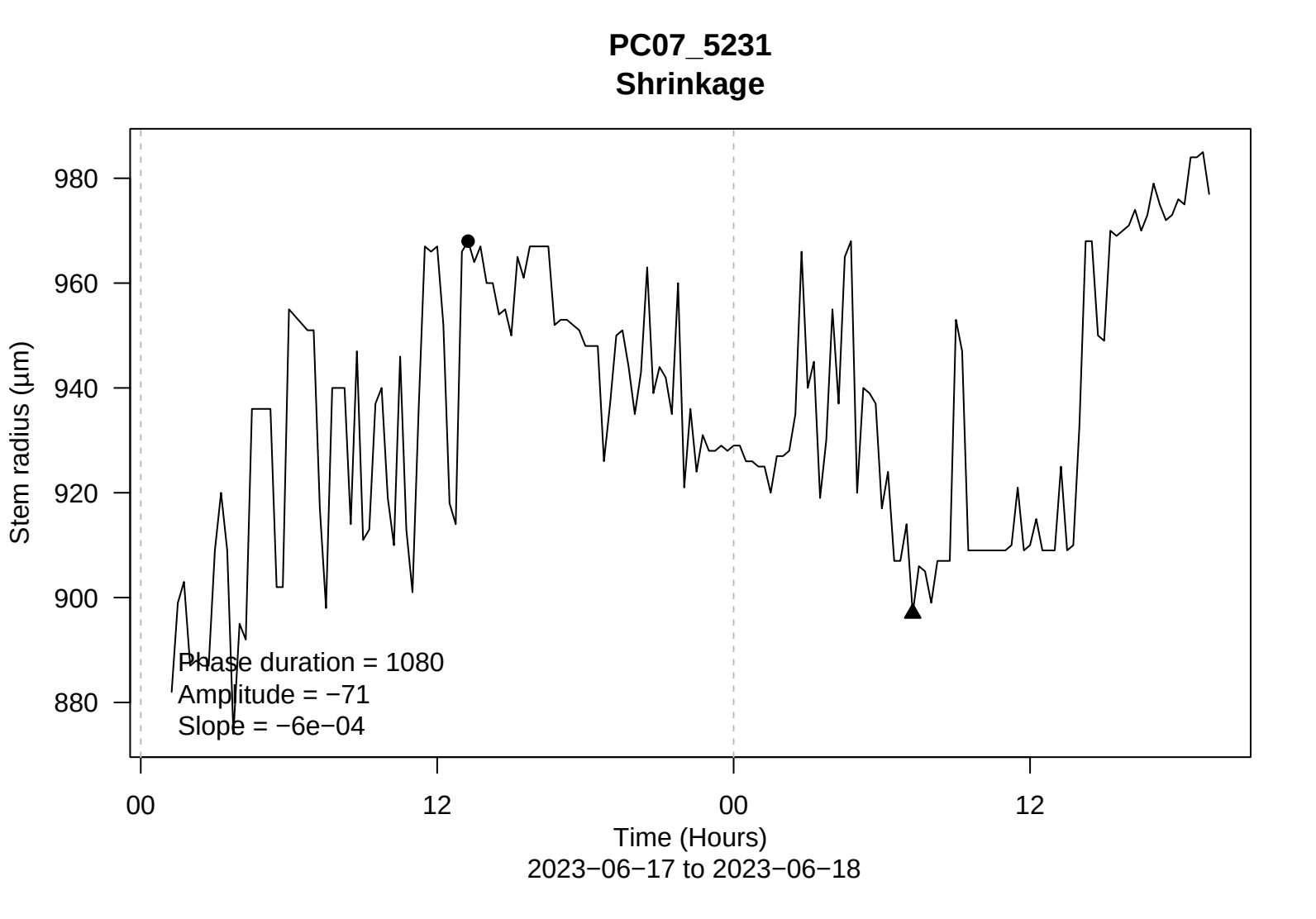

PC07_5231
Expansion
840
820
800
780
760
Stem radius (µm)
06
12
18
00
06
Time (Hours)
2023−06−13 to 2023−06−13
Phase duration = 255
Amplitude = 41
Slope = 0.0019

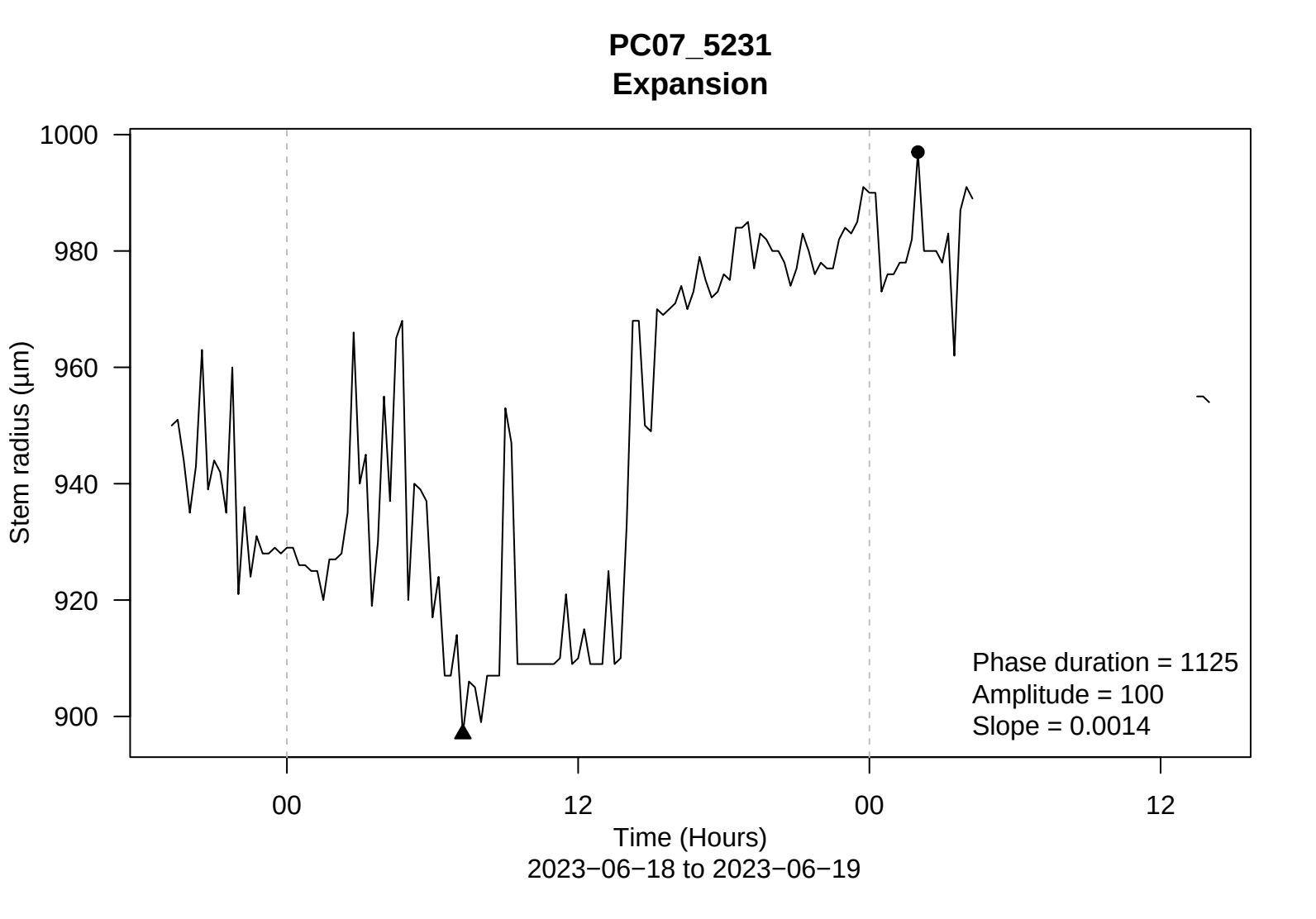

PC07_5231
Shrinkage
840
820
800
780
760
Stem radius (µm)
Phase duration = 855
Amplitude = −47
Slope = −1e−04
12
00
12
Time (Hours)
2023−06−13 to 2023−06−14

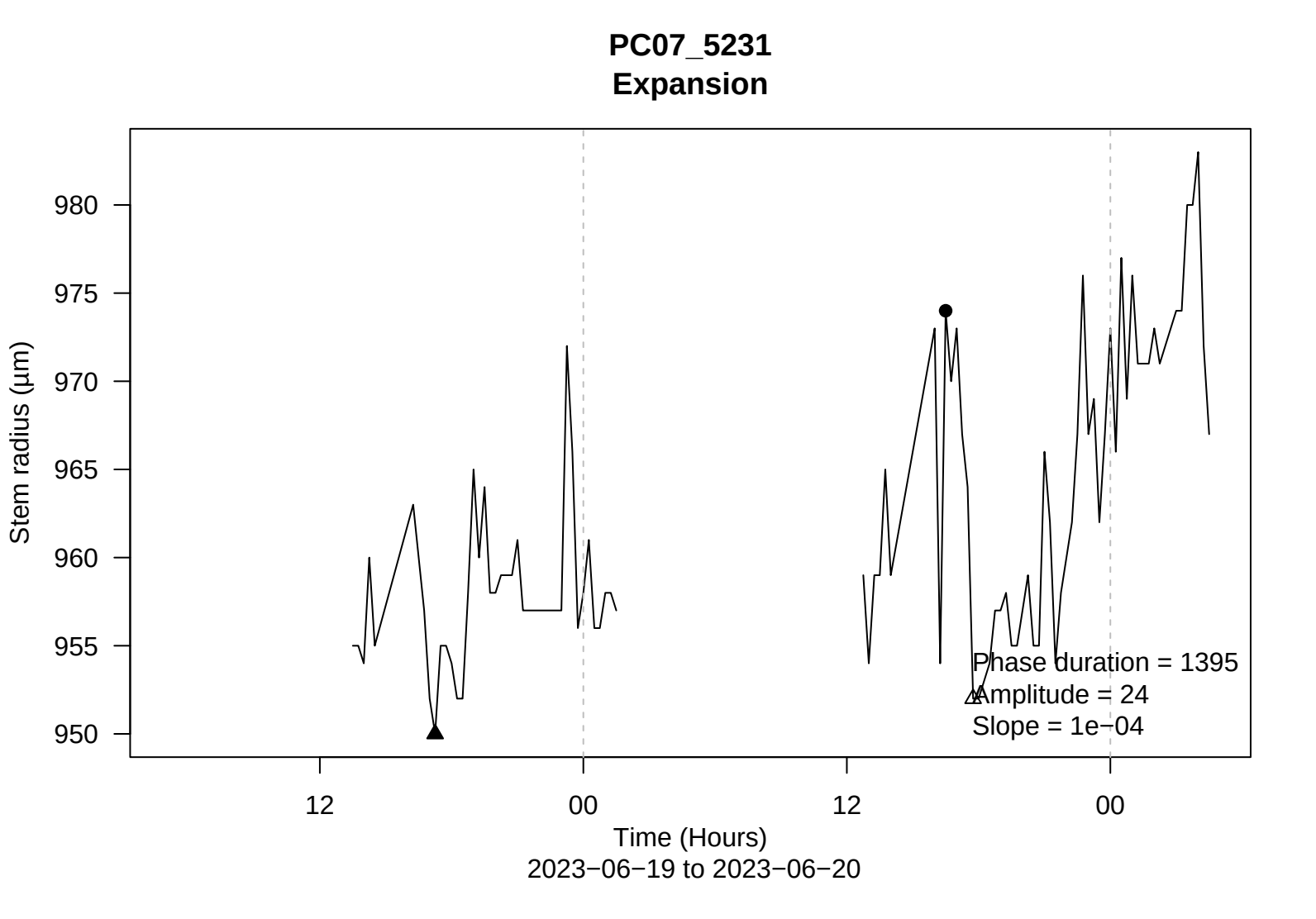

PC07_5231
Expansion
900
850
800
750
700
650
Stem radius (µm)
00
12
00
12
Time (Hours)
2023−06−15 to 2023−06−16
Phase duration = 1200
Amplitude = 45
Slope = 4e−04

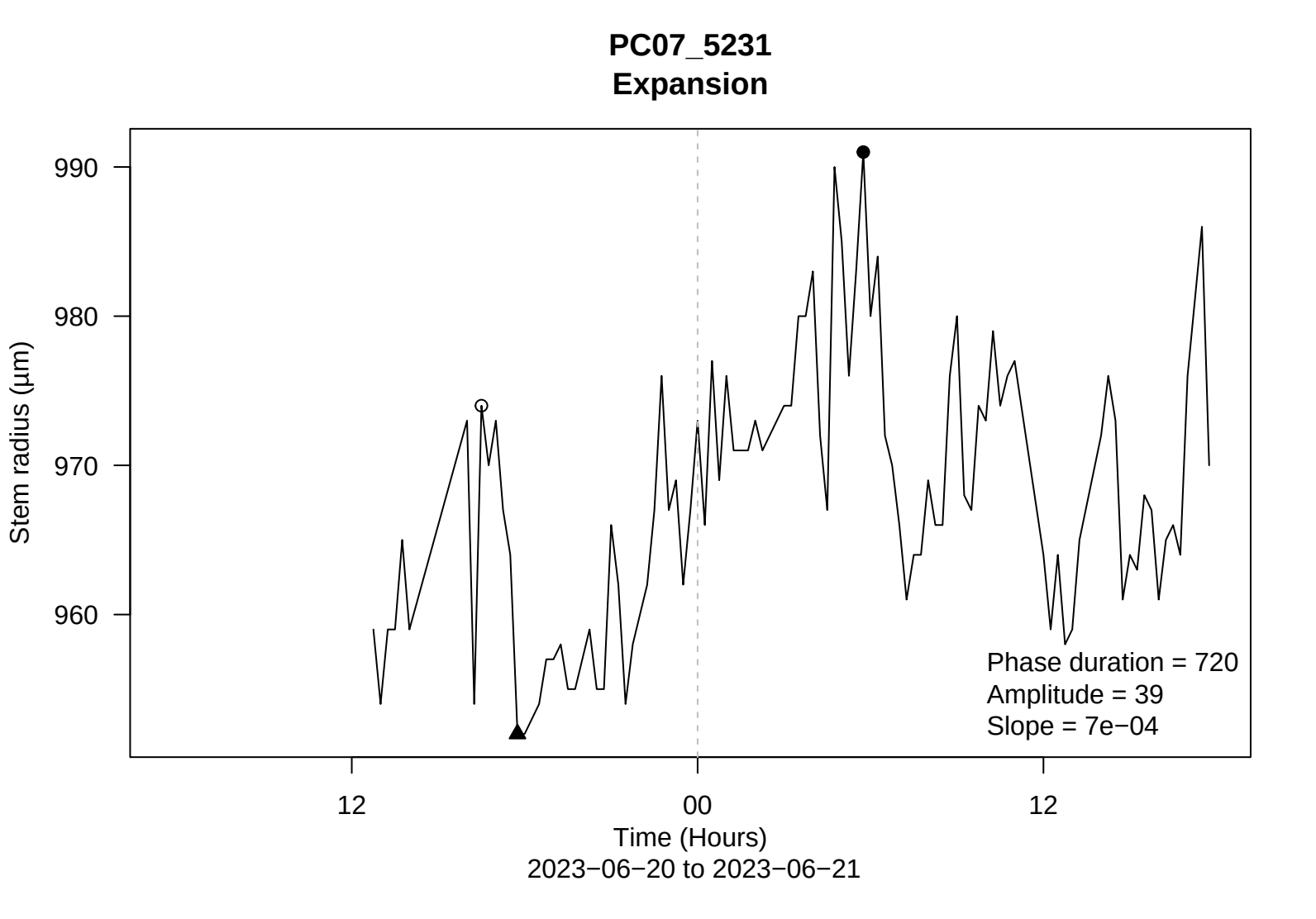

PC07_5231
Expansion
950
900
850
800
750
700
650
Stem radius (µm)
00
12
00
Time (Hours)
2023−06−16 to 2023−06−16
Phase duration = 465
Amplitude = 241
Slope = 0.0071

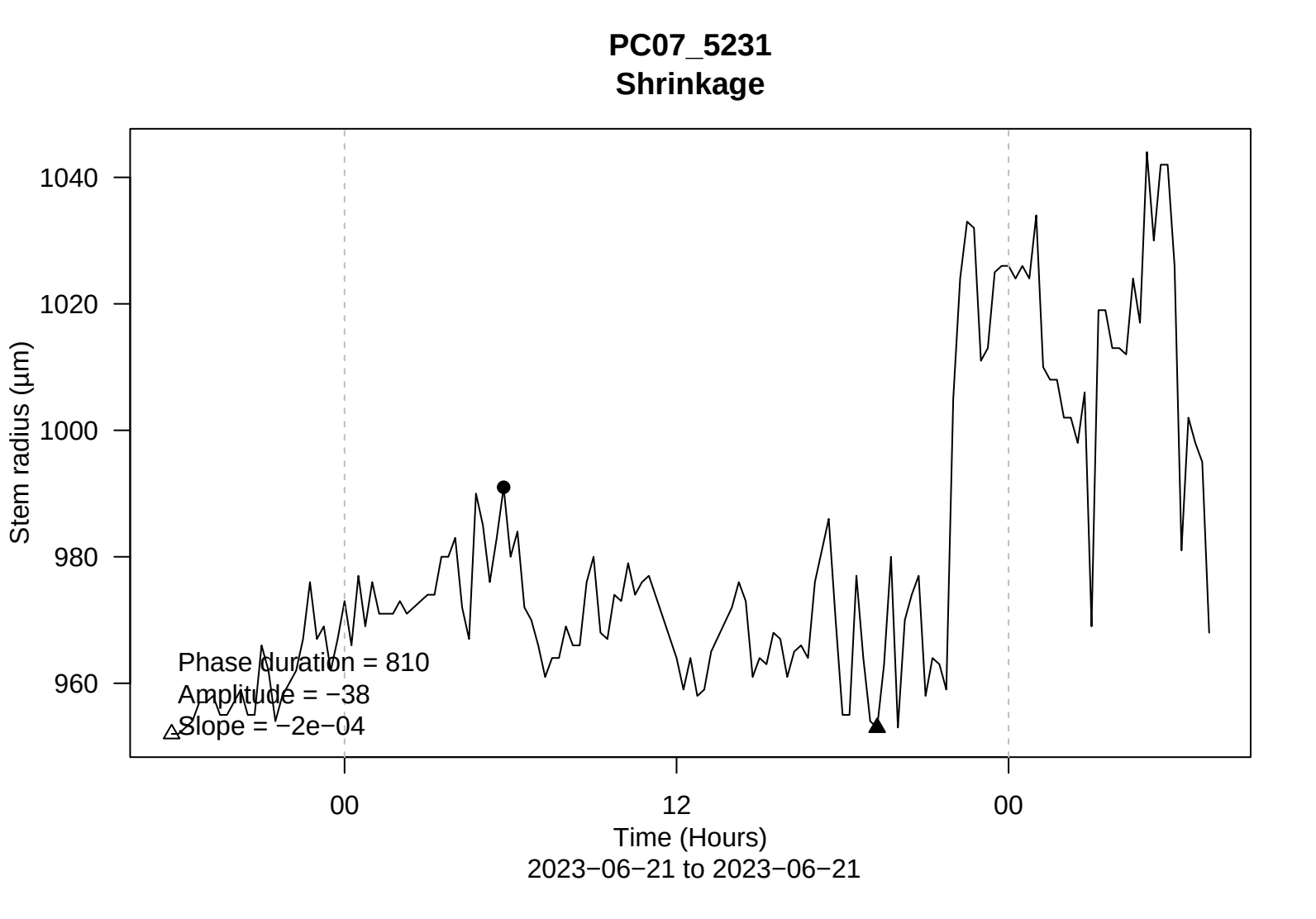

PC07_5231
Expansion
Stem radius (µm)
950
900
850
800
750
700
650
12
00
12
00
Time (Hours)
2023−06−16 to 2023−06−17
Phase duration = 1080
Amplitude = 119
Slope = 0.001

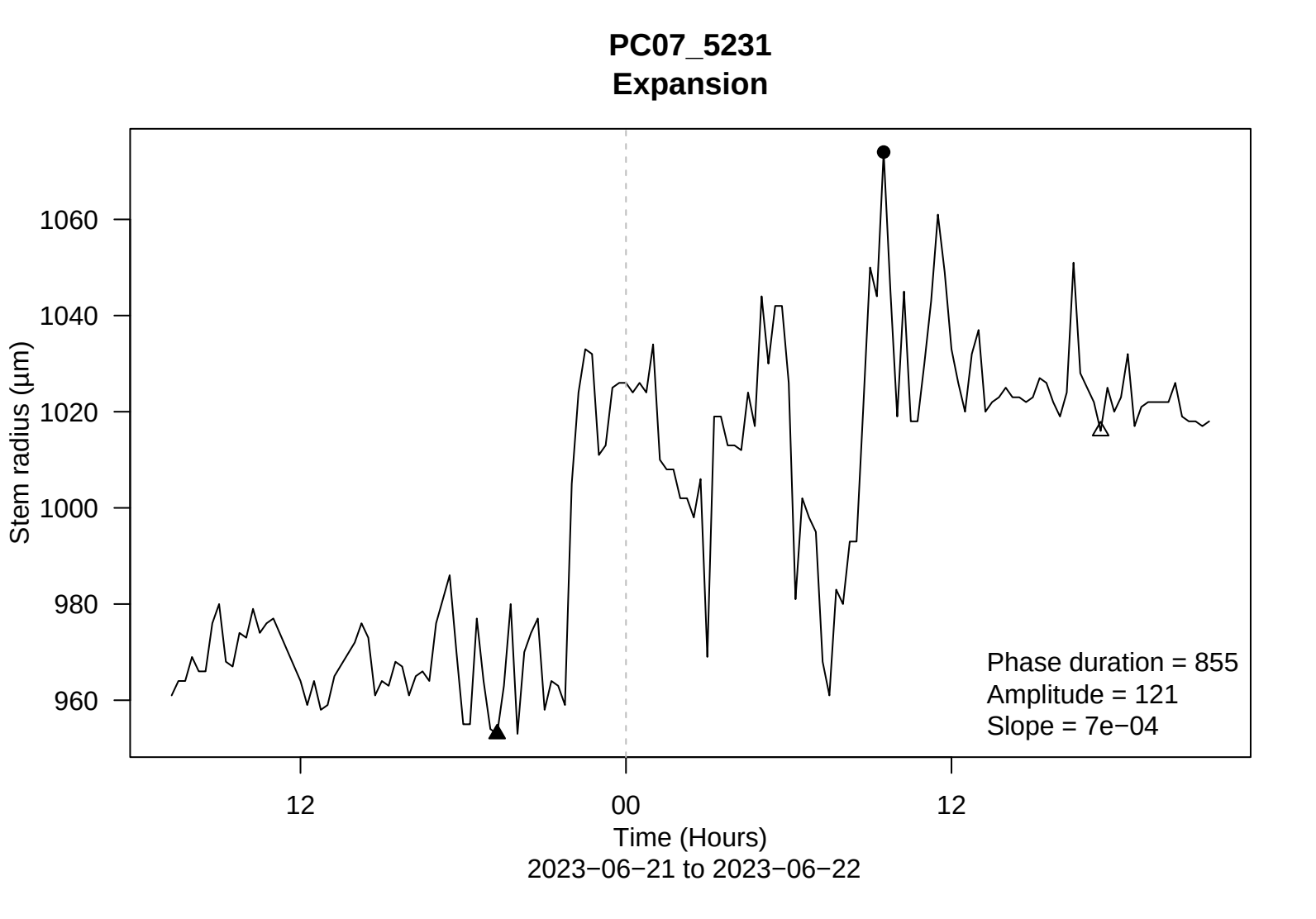

PC07_5231
Shrinkage
980
960
940
920
900
880
Stem radius (µm)
Phase duration = 1080
Amplitude = −71
Slope = −6e−04
00
12
00
12
Time (Hours)
2023−06−17 to 2023−06−18

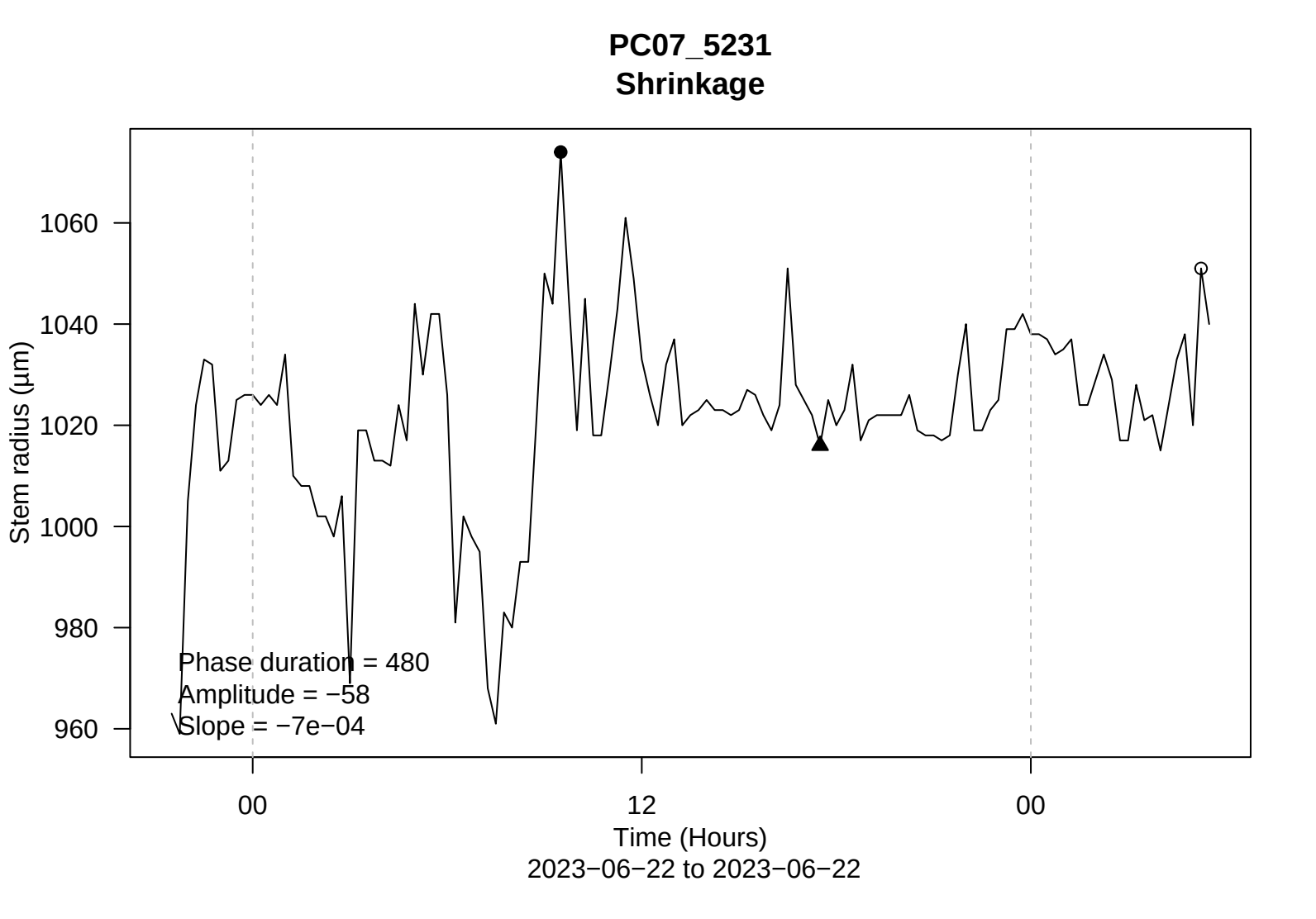

PC07_5231
Expansion
1000
980
960
940
920
900
Stem radius (µm)
00
12
00
12
Time (Hours)
2023−06−18 to 2023−06−19
Phase duration = 1125
Amplitude = 100
Slope = 0.0014

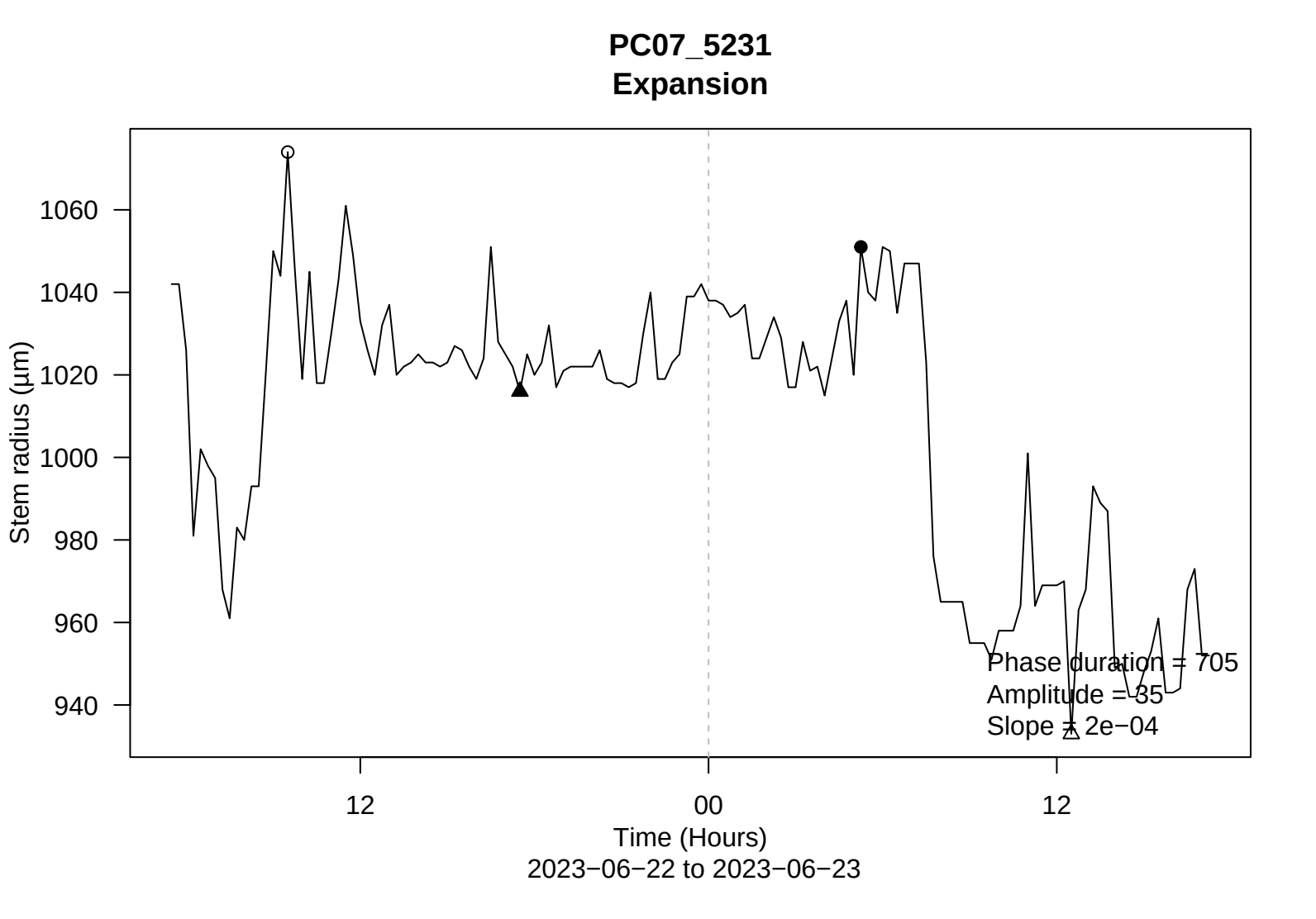

PC07_5231
Expansion
980
975
970
965
960
955
950
Stem radius (µm)
Phase duration = 1395
Amplitude = 24
Slope = 1e−04
12
00
12
00
Time (Hours)
2023−06−19 to 2023−06−20

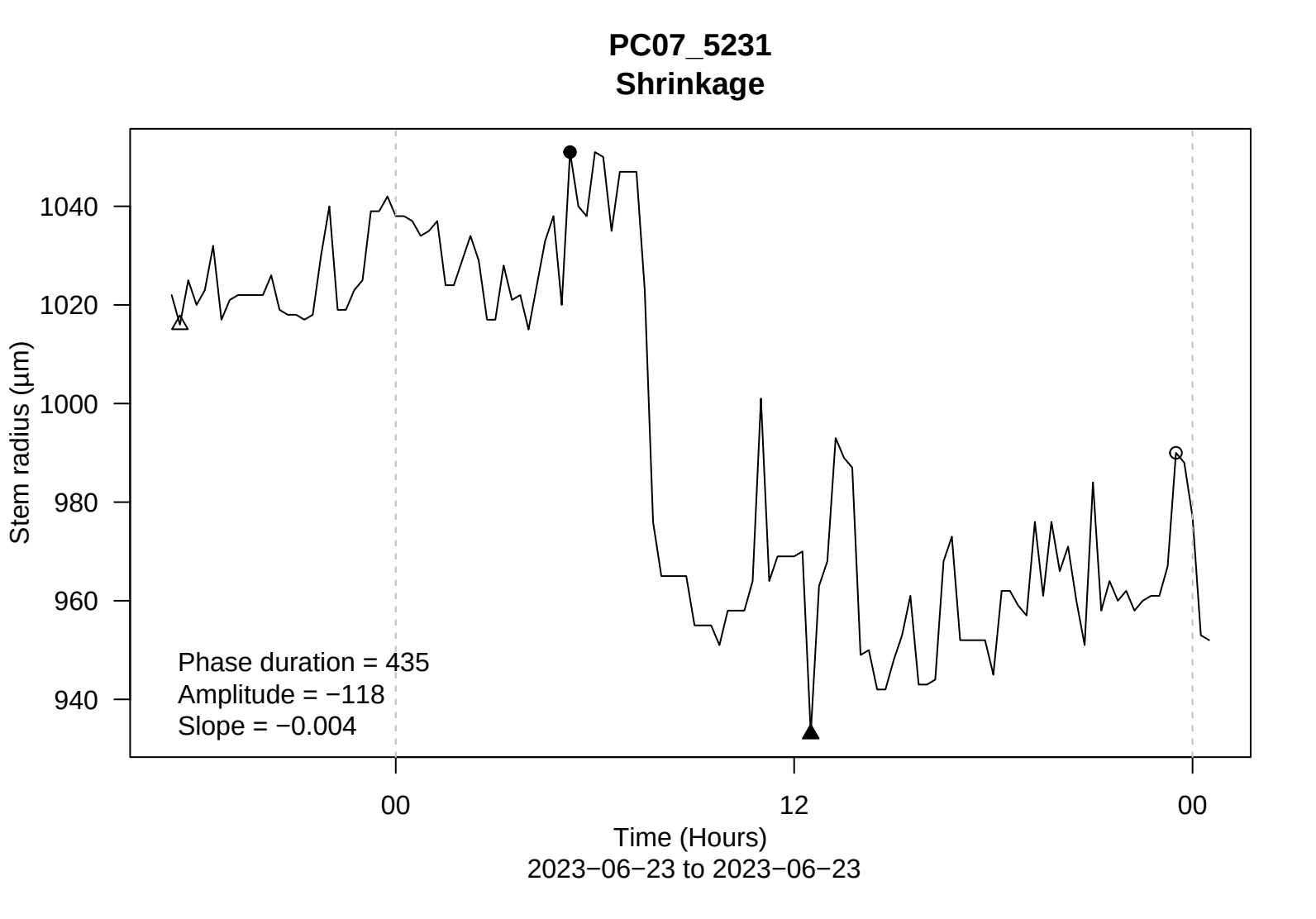

PC07_5231
Expansion
990
980
970
960
Stem radius (µm)
Phase duration = 720
Amplitude = 39
Slope = 7e−04
12
00
12
Time (Hours)
2023−06−20 to 2023−06−21

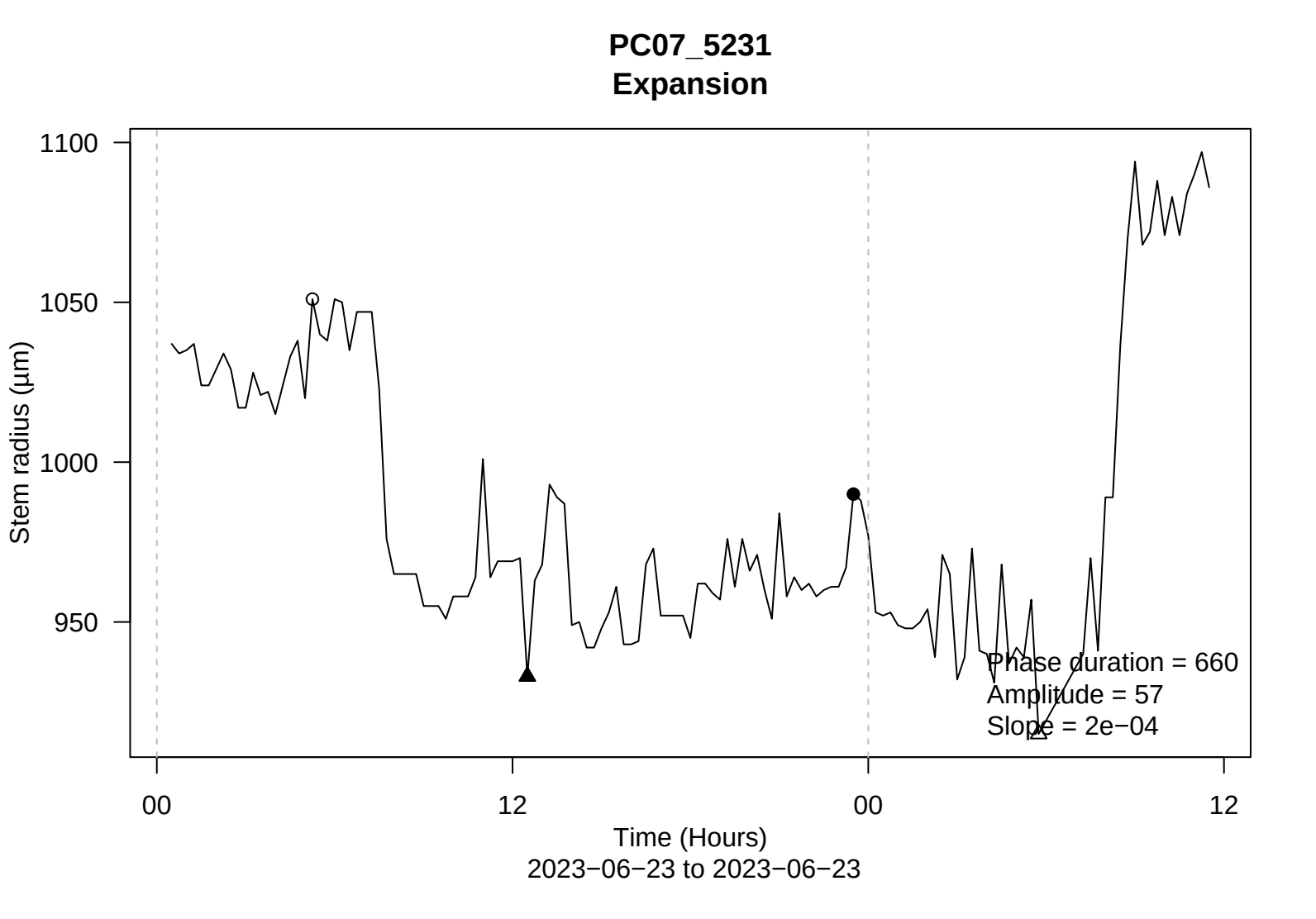

PC07_5231
Shrinkage
Stem radius (µm)
1040
1020
1000
980
960
Phase duration = 810
Amplitude = −38
Slope = −2e−04
00
12
00
Time (Hours)
2023−06−21 to 2023−06−21

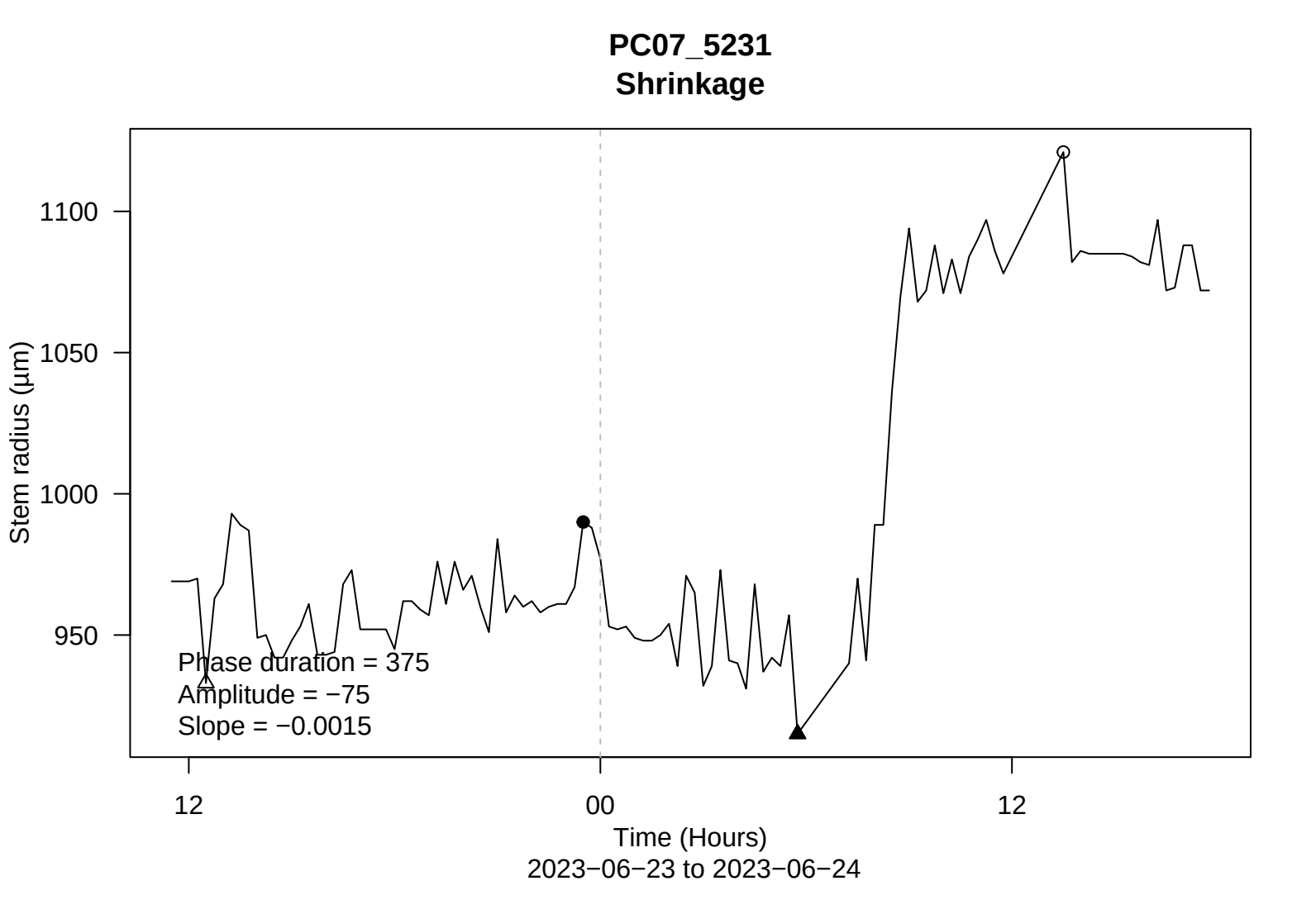

PC07_5231
Expansion
Stem radius (µm)
1060
1040
1020
1000
980
960
12
00
12
Time (Hours)
2023−06−21 to 2023−06−22
Phase duration = 855
Amplitude = 121
Slope = 7e−04

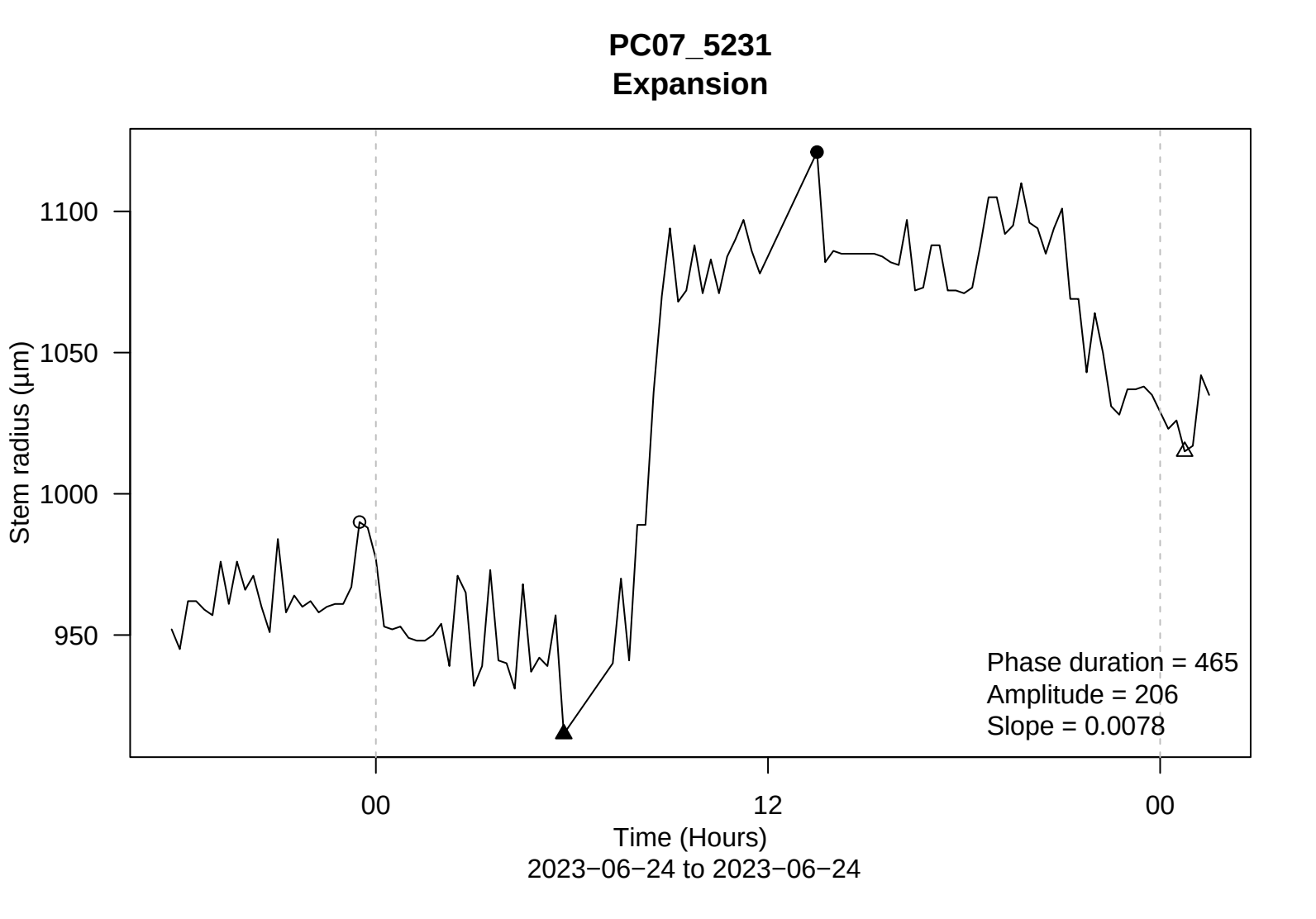

PC07_5231
Shrinkage
Stem radius (µm)
1060
1040
1020
1000
980
960
Phase duration = 480
Amplitude = −58
Slope = −7e−04
00
12
00
Time (Hours)
2023−06−22 to 2023−06−22

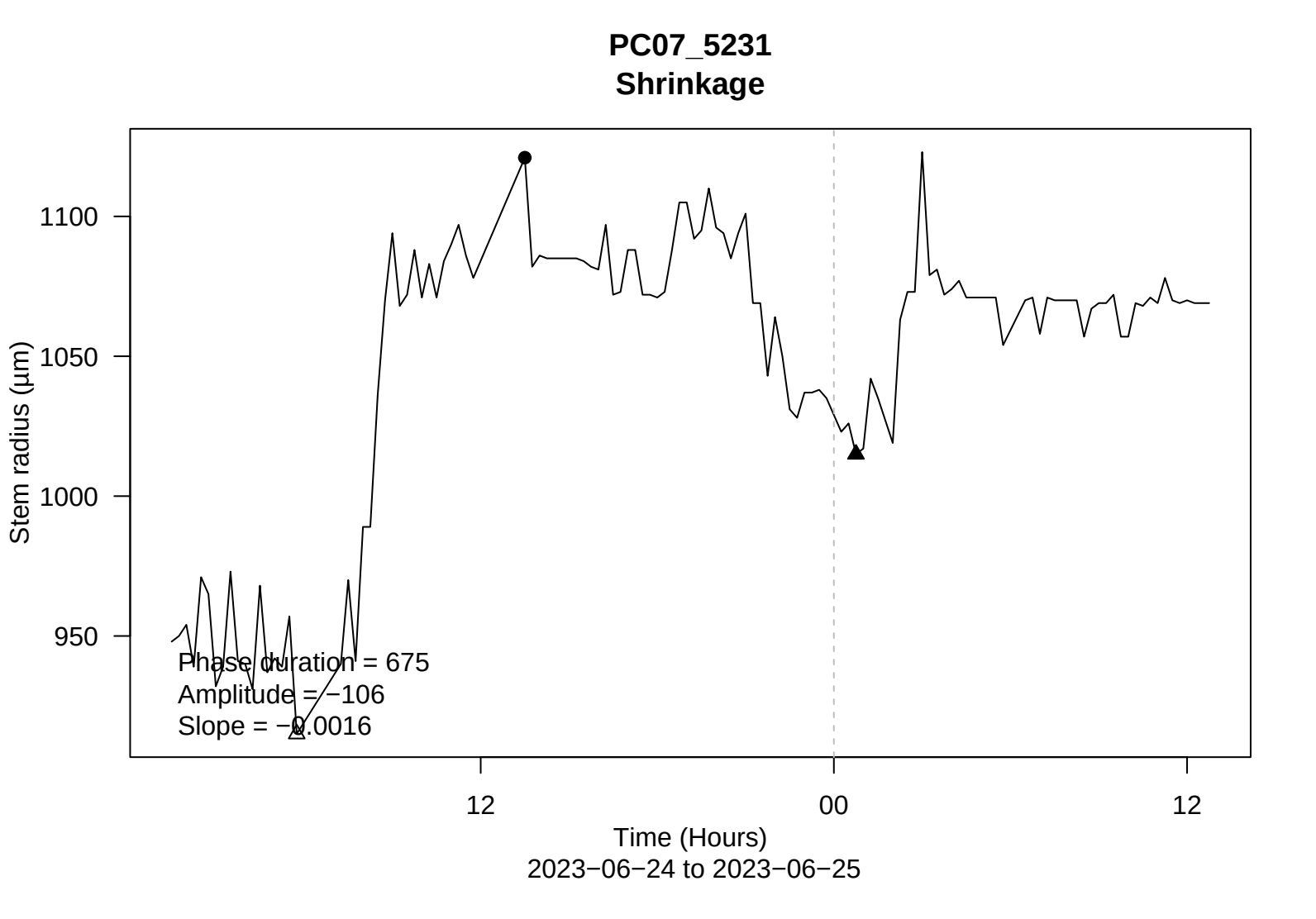

PC07_5231
Expansion
Stem radius (µm)
1060
1040
1020
1000
980
960
940
12
00
12
Time (Hours)
2023−06−22 to 2023−06−23
Phase duration = 705
Amplitude = 35
Slope = 2e−04

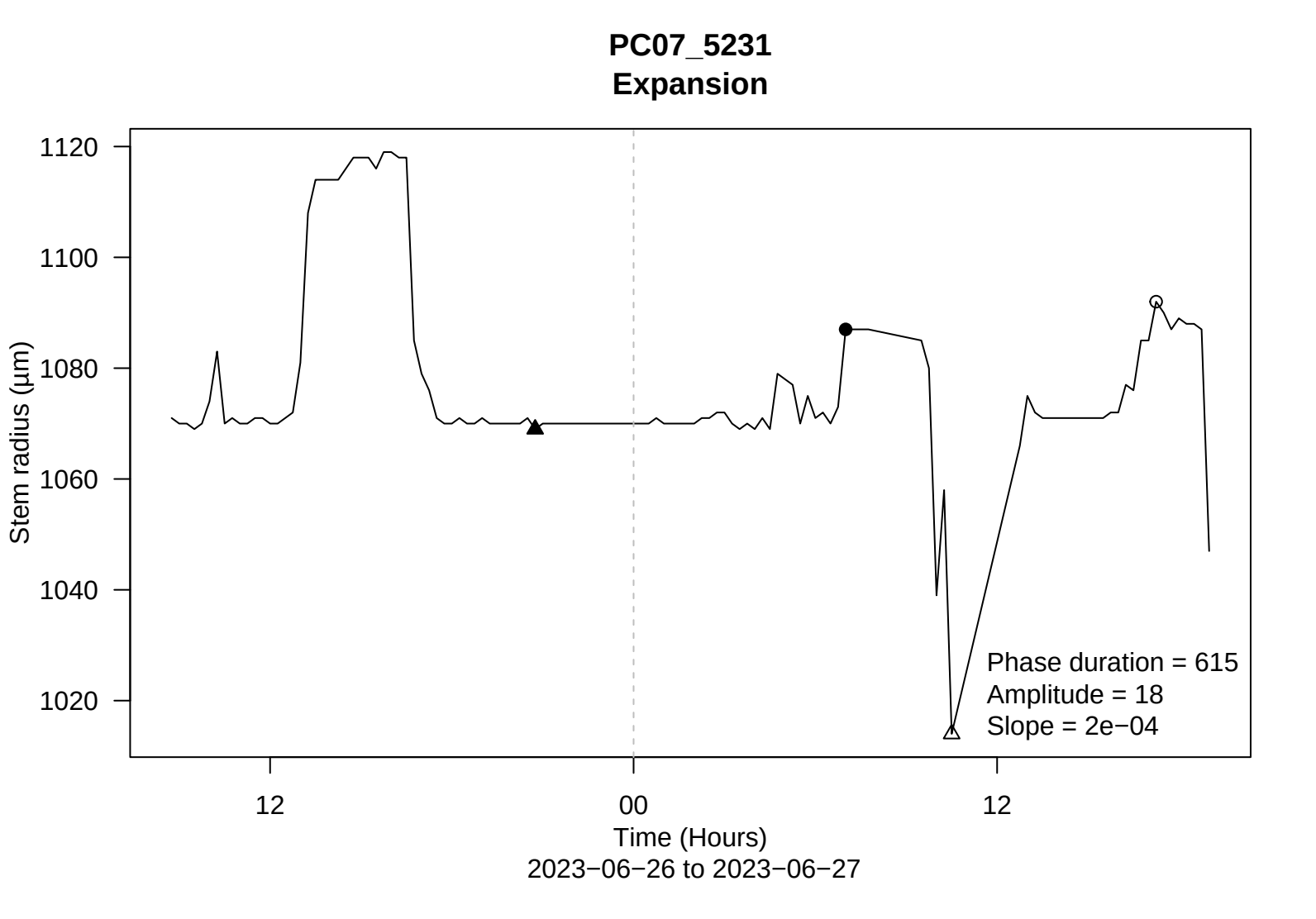

PC07_5231
Shrinkage
Stem radius (µm)
1040
1020
1000
980
960
940
Phase duration = 435
Amplitude = −118
Slope = −0.004
00
12
00
Time (Hours)
2023−06−23 to 2023−06−23

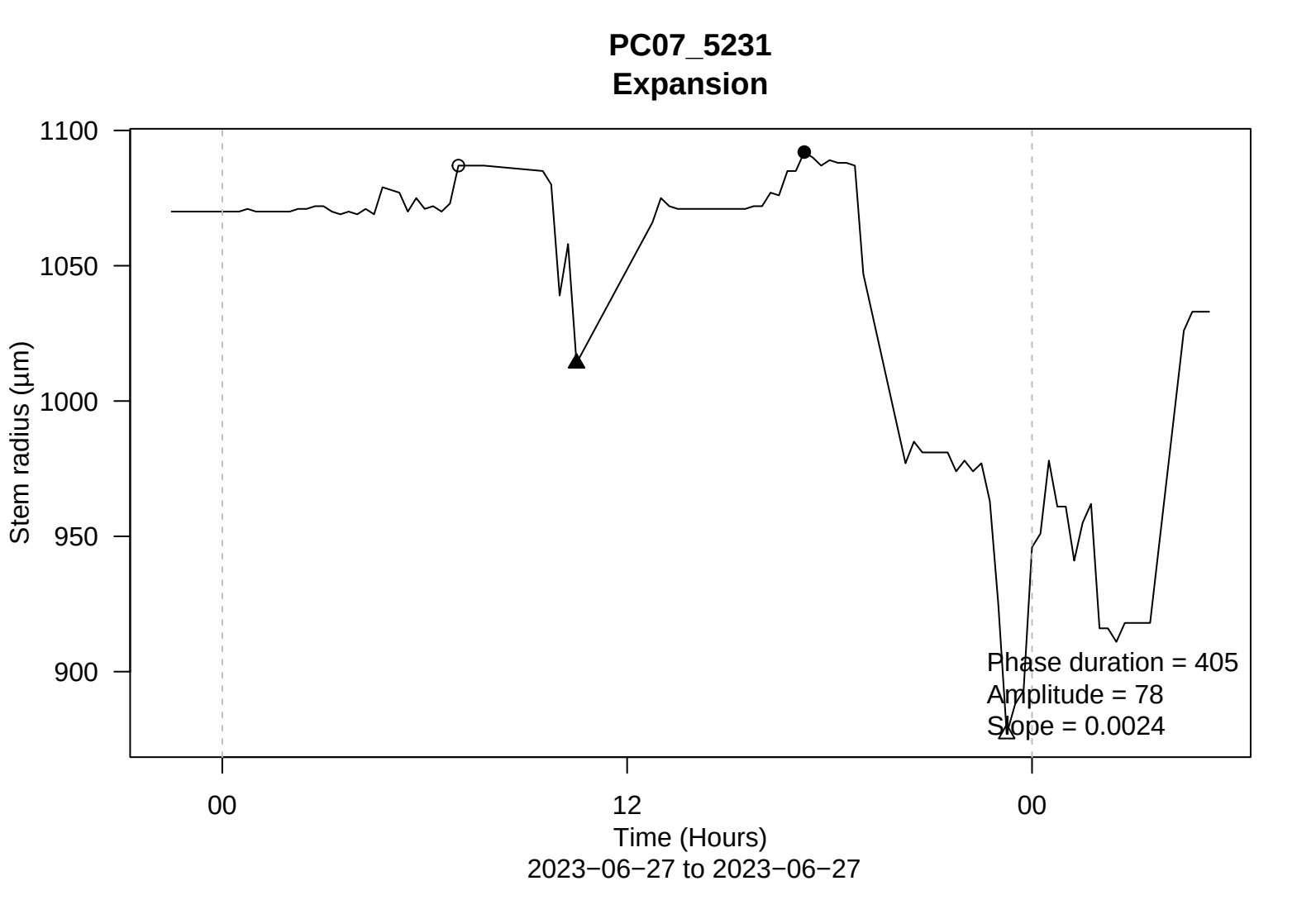

PC07_5231
Expansion
1100
1050
1000
950
Stem radius (µm)
Phase duration = 660
Amplitude = 57
Slope = 2e−04
00
12
00
12
Time (Hours)
2023−06−23 to 2023−06−23

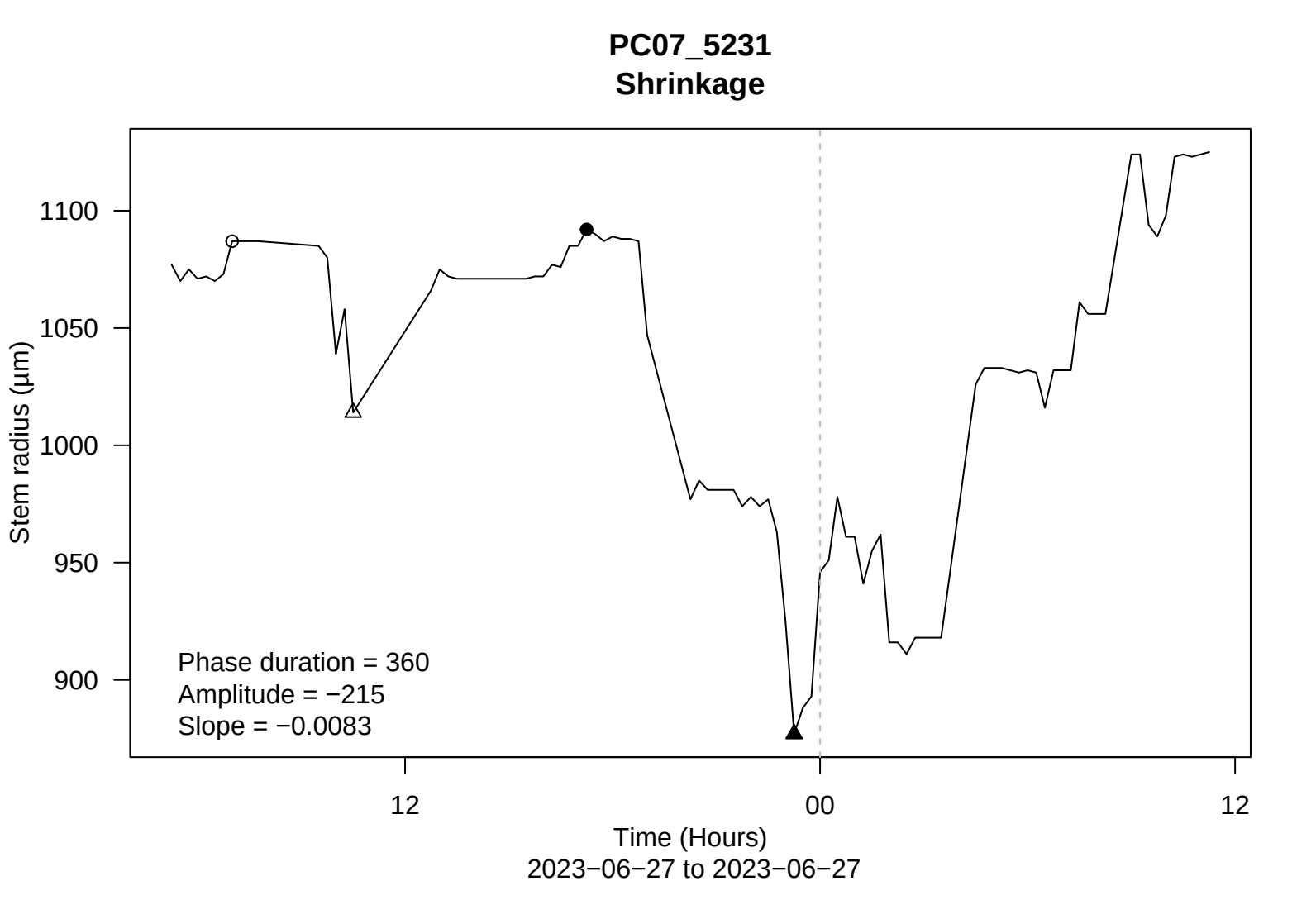

PC07_5231
Shrinkage
1100
1050
1000
950
Stem radius (µm)
Phase duration = 375
Amplitude = −75
Slope = −0.0015
12
00
12
Time (Hours)
2023−06−23 to 2023−06−24

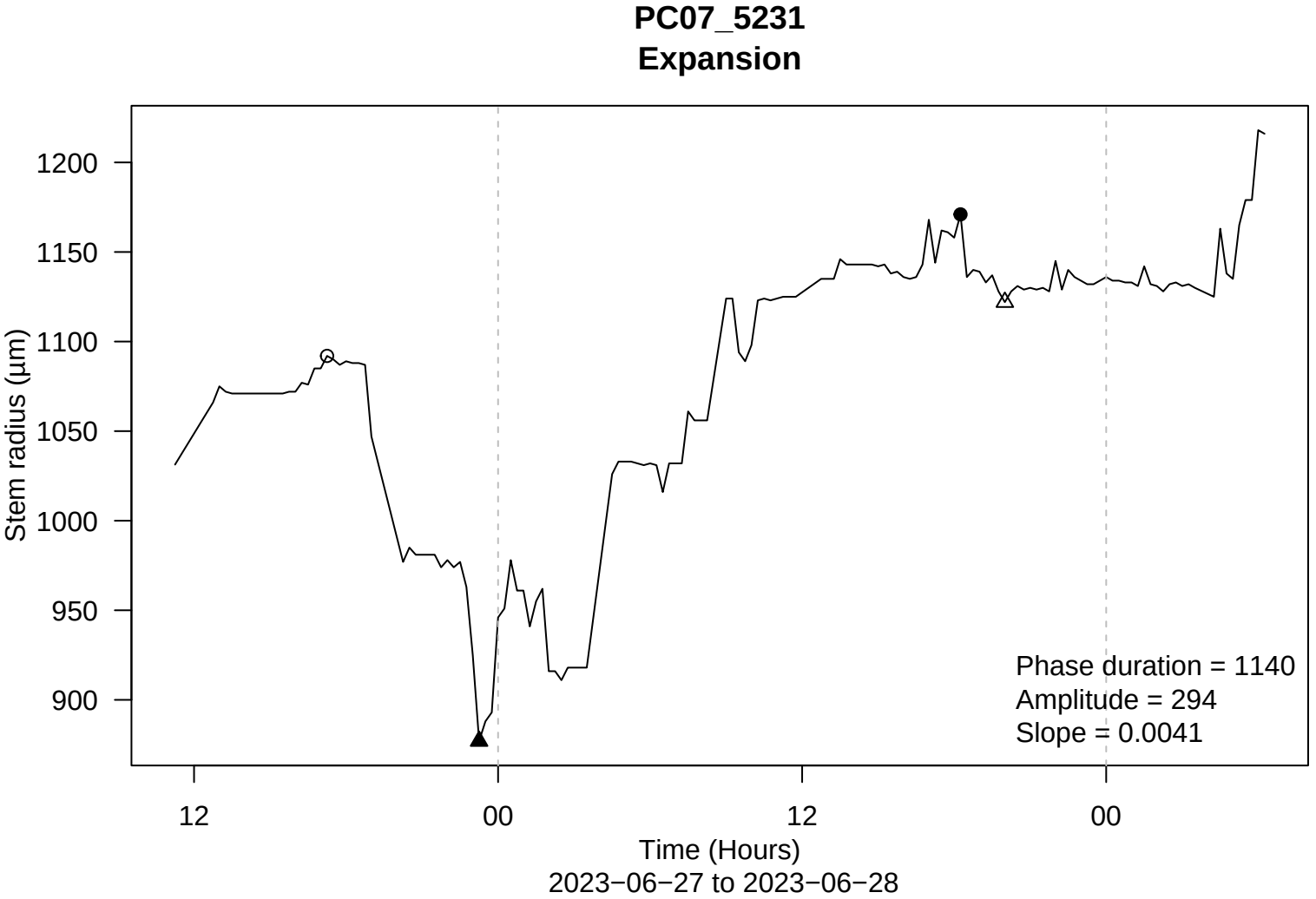

PC07_5231
Expansion
1100
1050
1000
950
Stem radius (µm)
Phase duration = 465
Amplitude = 206
Slope = 0.0078
00
12
00
Time (Hours)
2023−06−24 to 2023−06−24

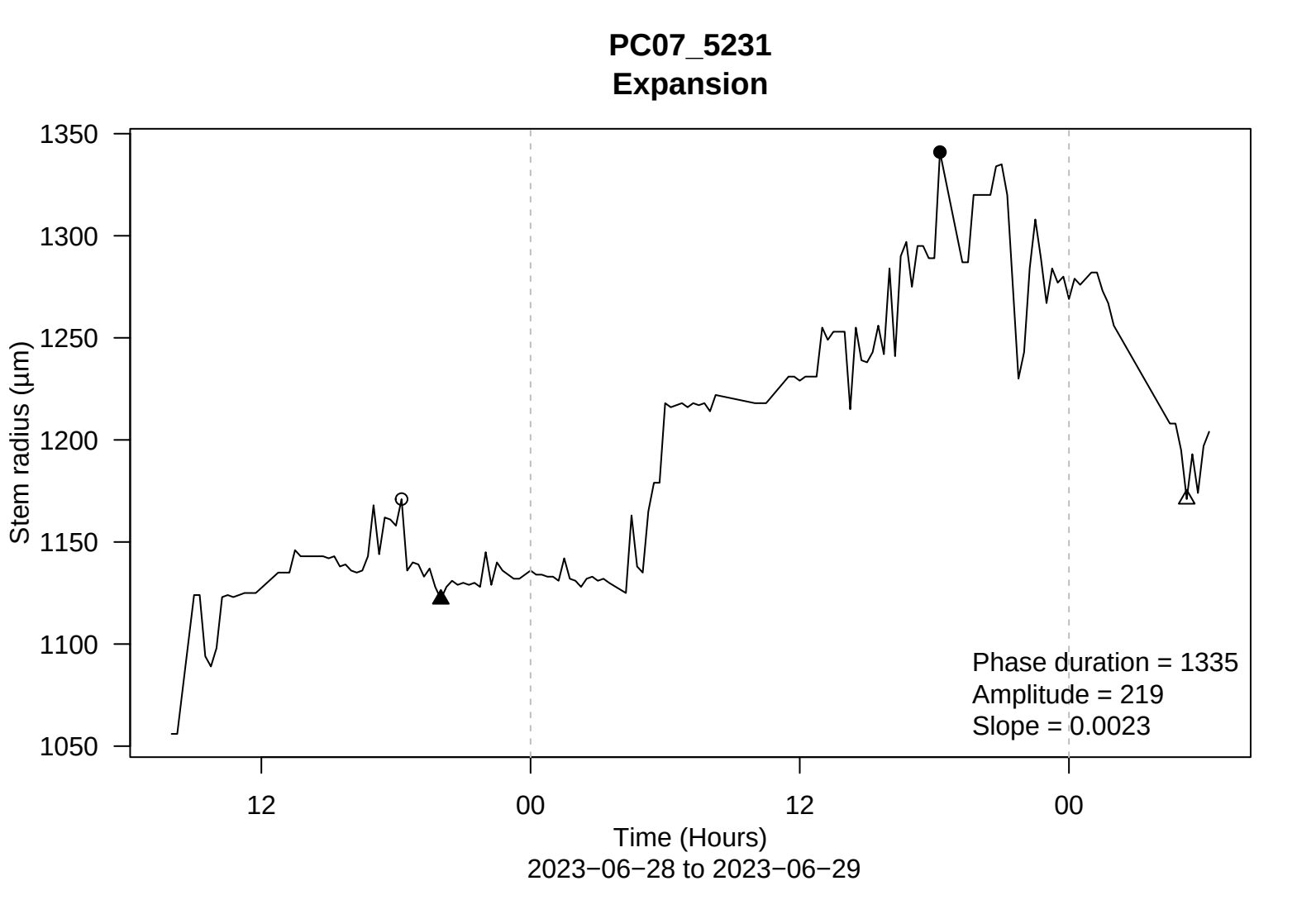

PC07_5231
Shrinkage
Stem radius (µm)
1100
1050
1000
950
Phase duration = 675
Amplitude = −106
Slope = −0.0016
12
00
12
Time (Hours)
2023−06−24 to 2023−06−25

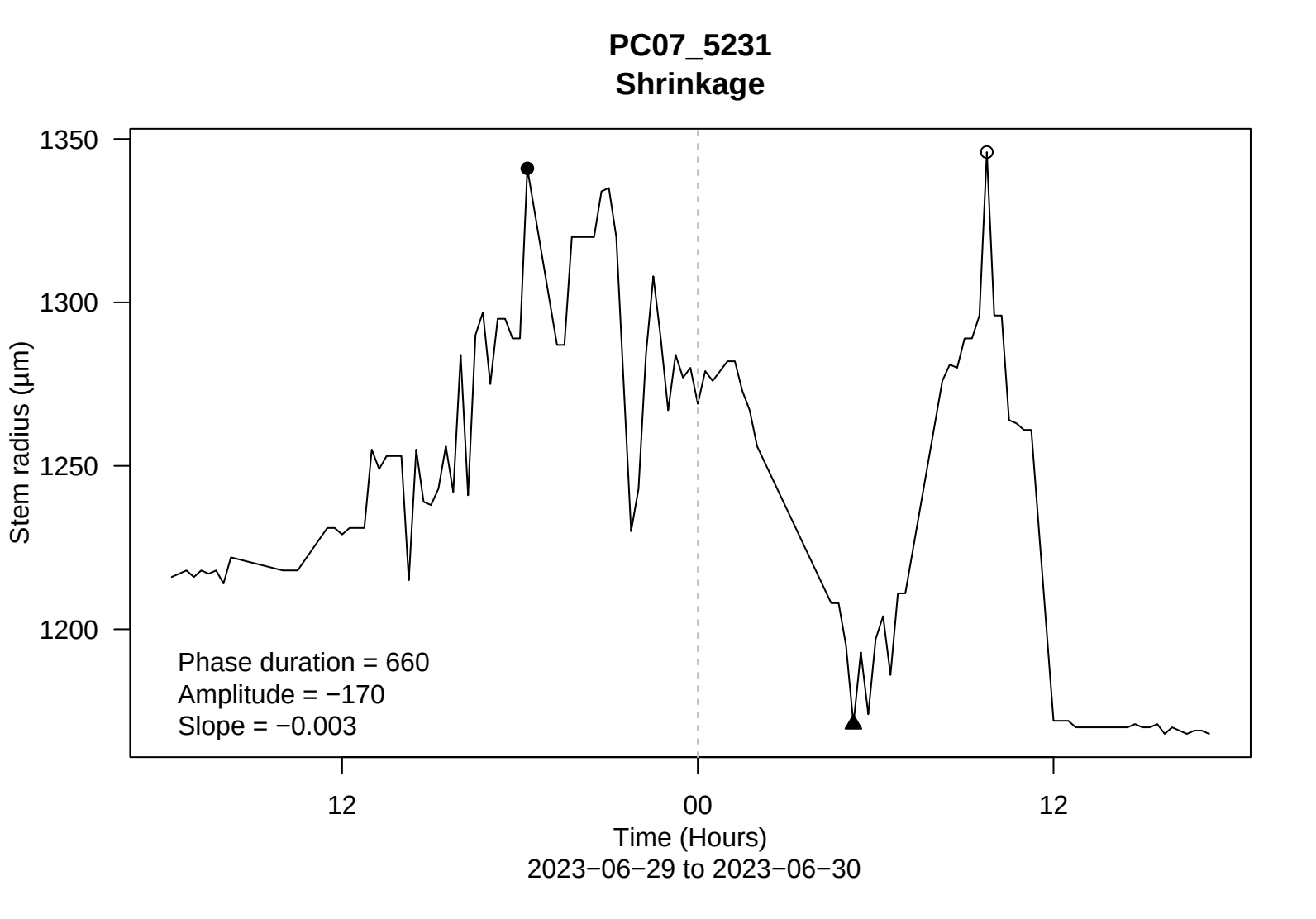

PC07_5231
Expansion
1120
1100
1080
1060
1040
1020
Stem radius (µm)
12
00
12
Time (Hours)
2023−06−26 to 2023−06−27
Phase duration = 615
Amplitude = 18
Slope = 2e−04

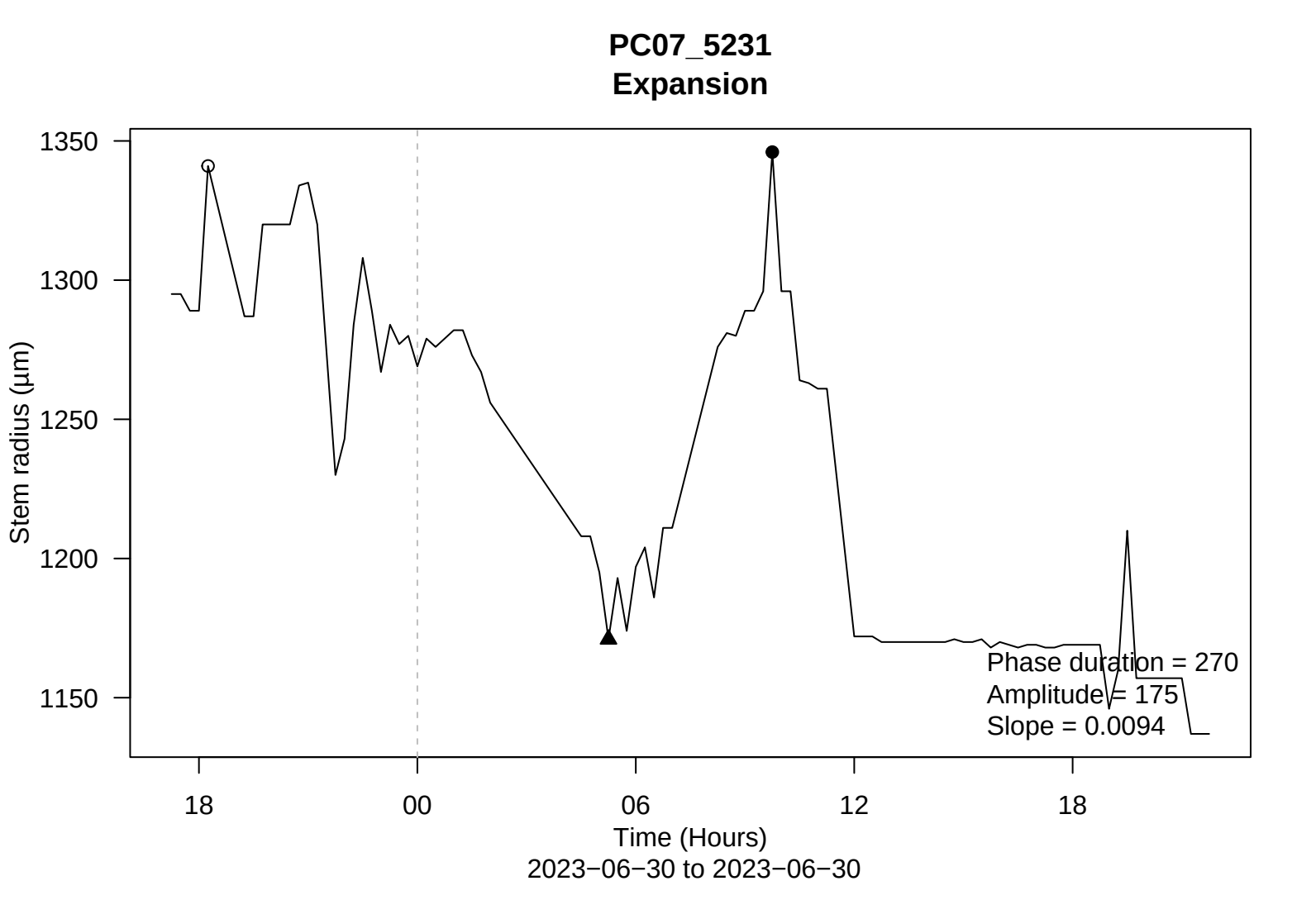

PC07_5231
Expansion
1100
1050
1000
950
900
Stem radius (µm)
Phase duration = 405
Amplitude = 78
Slope = 0.0024
00
12
00
Time (Hours)
2023−06−27 to 2023−06−27

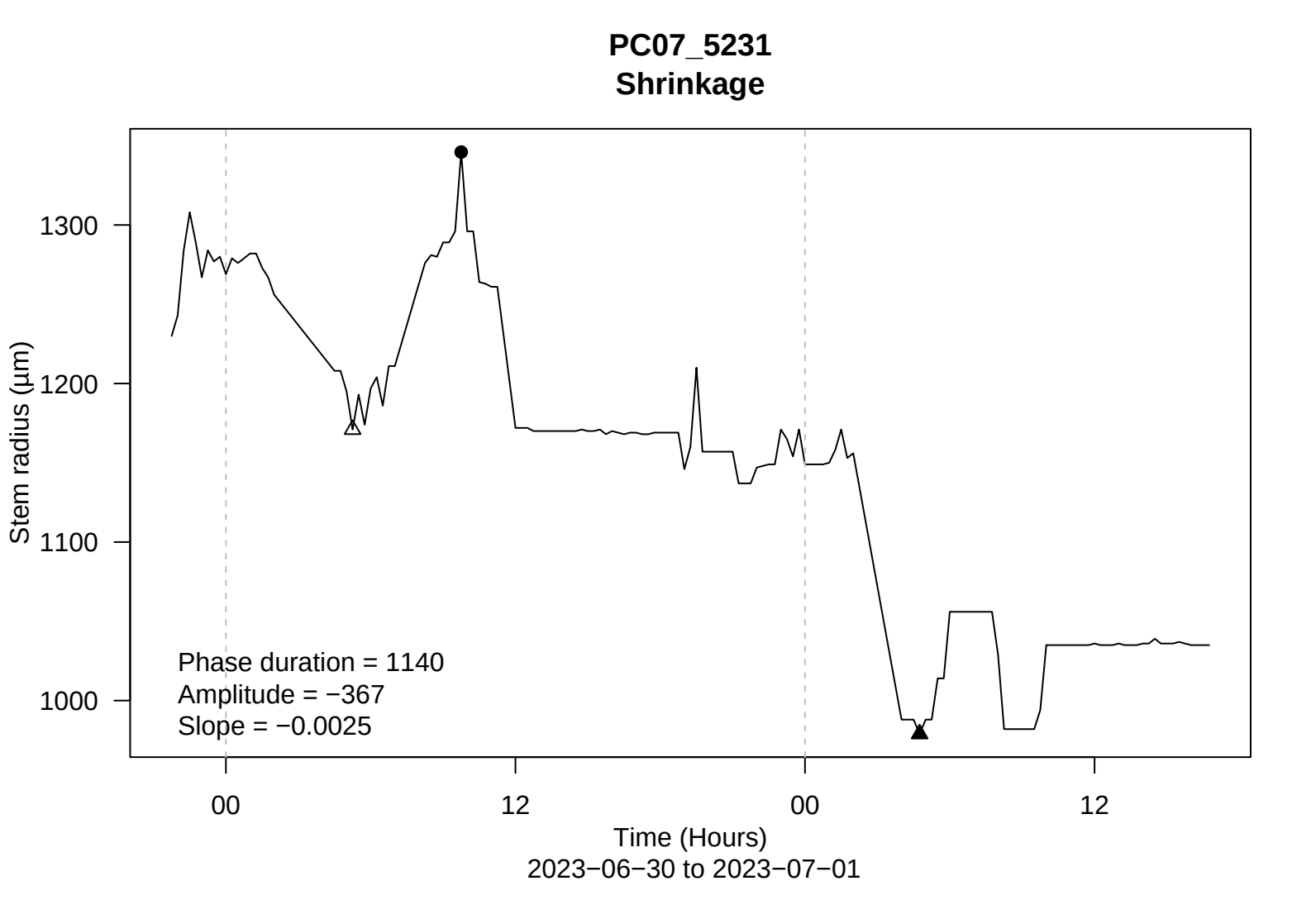

PC07_5231
Shrinkage
1100
1050
1000
950
900
Stem radius (µm)
Phase duration = 360
Amplitude = −215
Slope = −0.0083
12
00
12
Time (Hours)
2023−06−27 to 2023−06−27

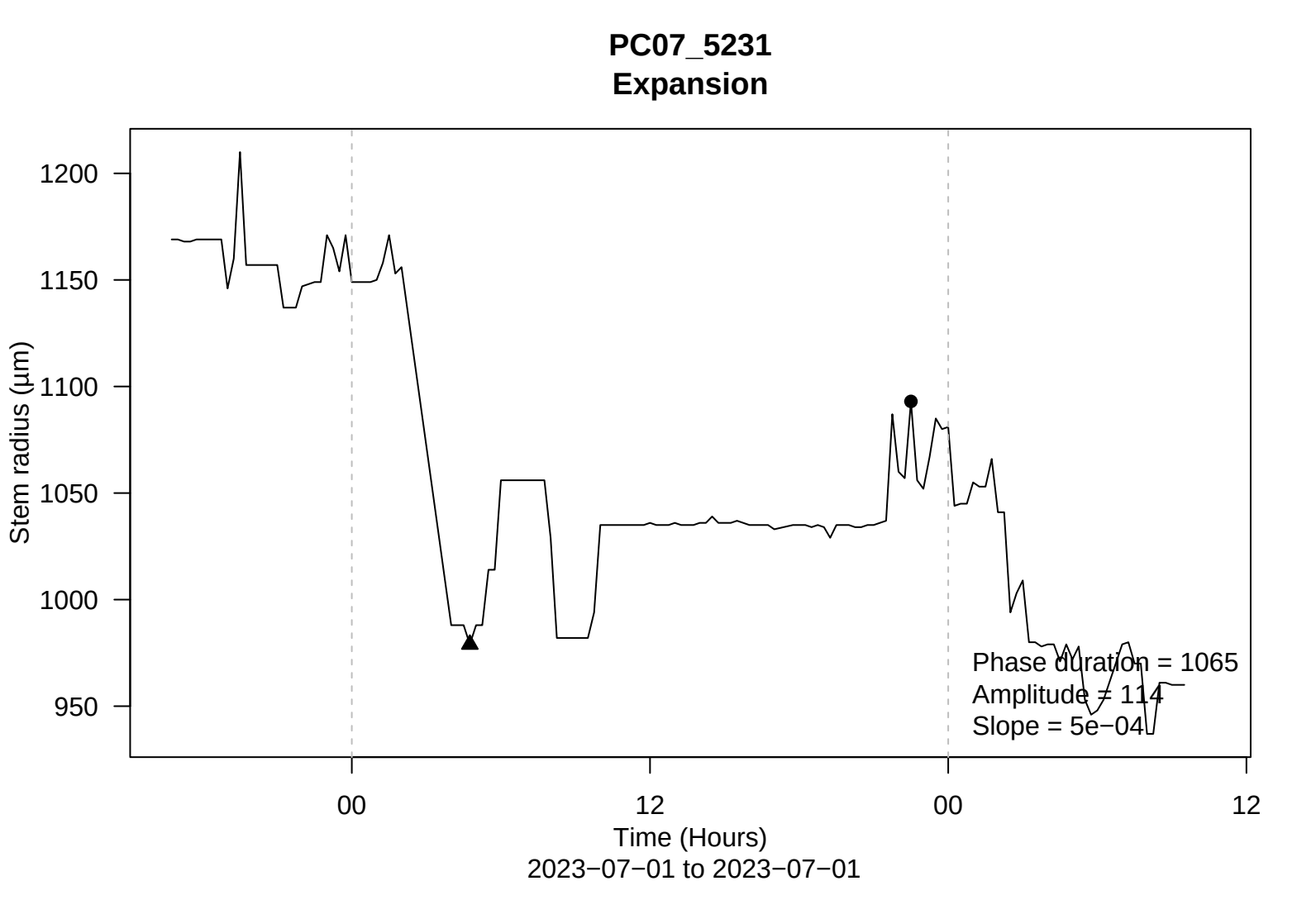

PC07_5231
Expansion
Stem radius (µm)
1200
1150
1100
1050
1000
950
900
12
00
12
00
Time (Hours)
2023−06−27 to 2023−06−28
Phase duration = 1140
Amplitude = 294
Slope = 0.0041

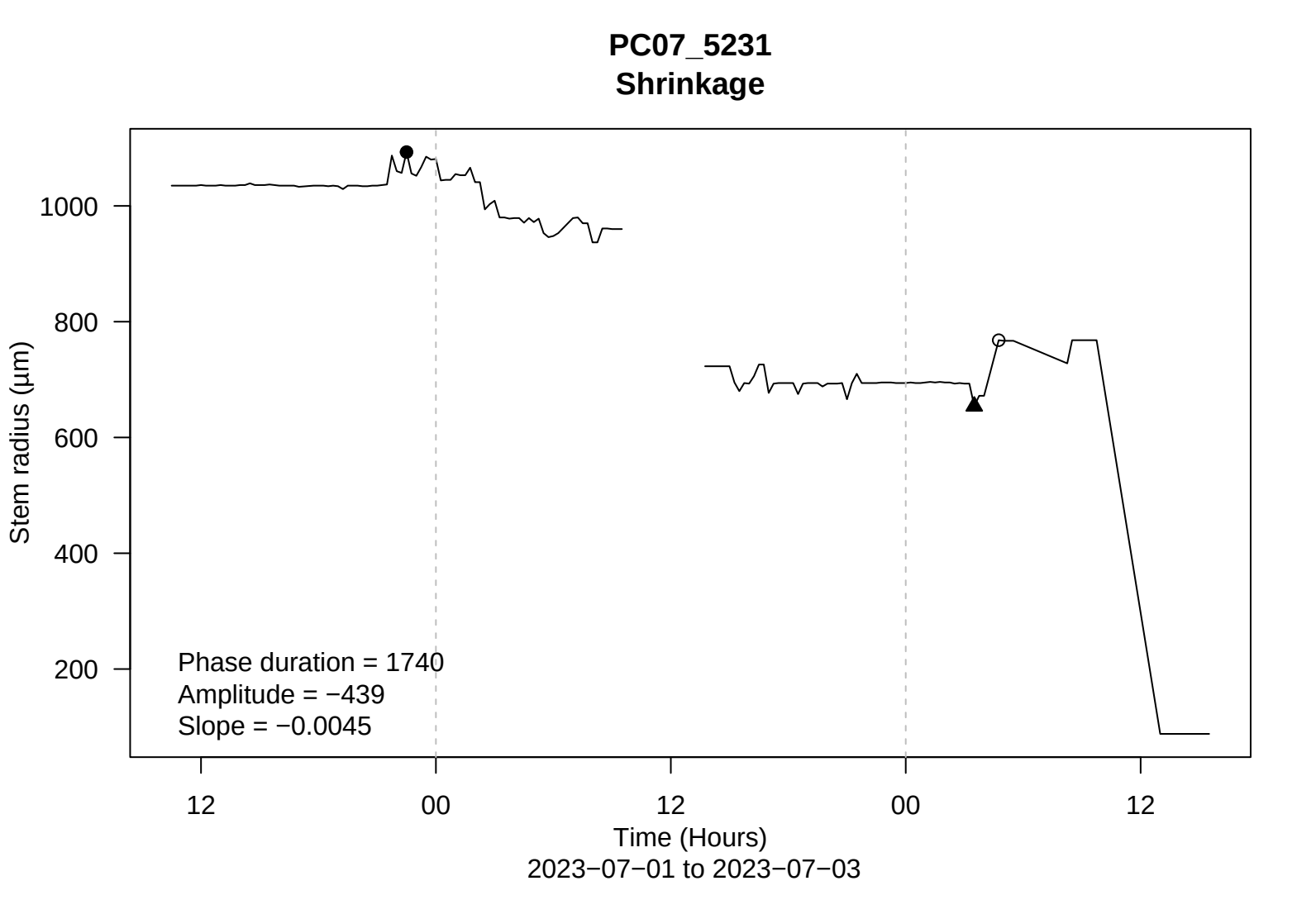

PC07_5231
Expansion
1350
1300
1250
1200
1150
1100
1050
Stem radius (µm)
Phase duration = 1335
Amplitude = 219
Slope = 0.0023
12
00
12
00
Time (Hours)
2023−06−28 to 2023−06−29

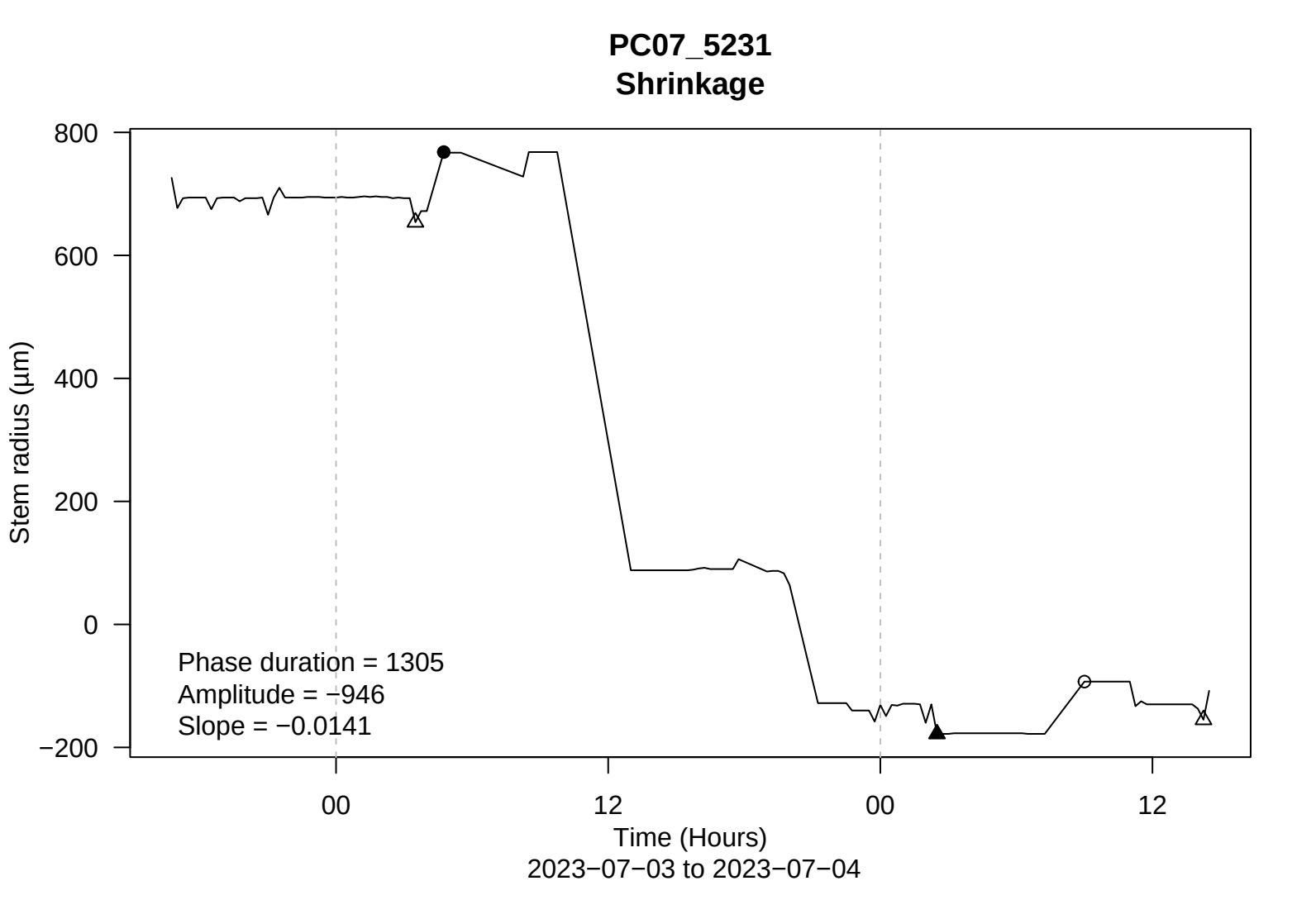

PC07_5231
Shrinkage
1350
1300
1250
1200
Stem radius (µm)
Phase duration = 660
Amplitude = −170
Slope = −0.003
12
00
12
Time (Hours)
2023−06−29 to 2023−06−30

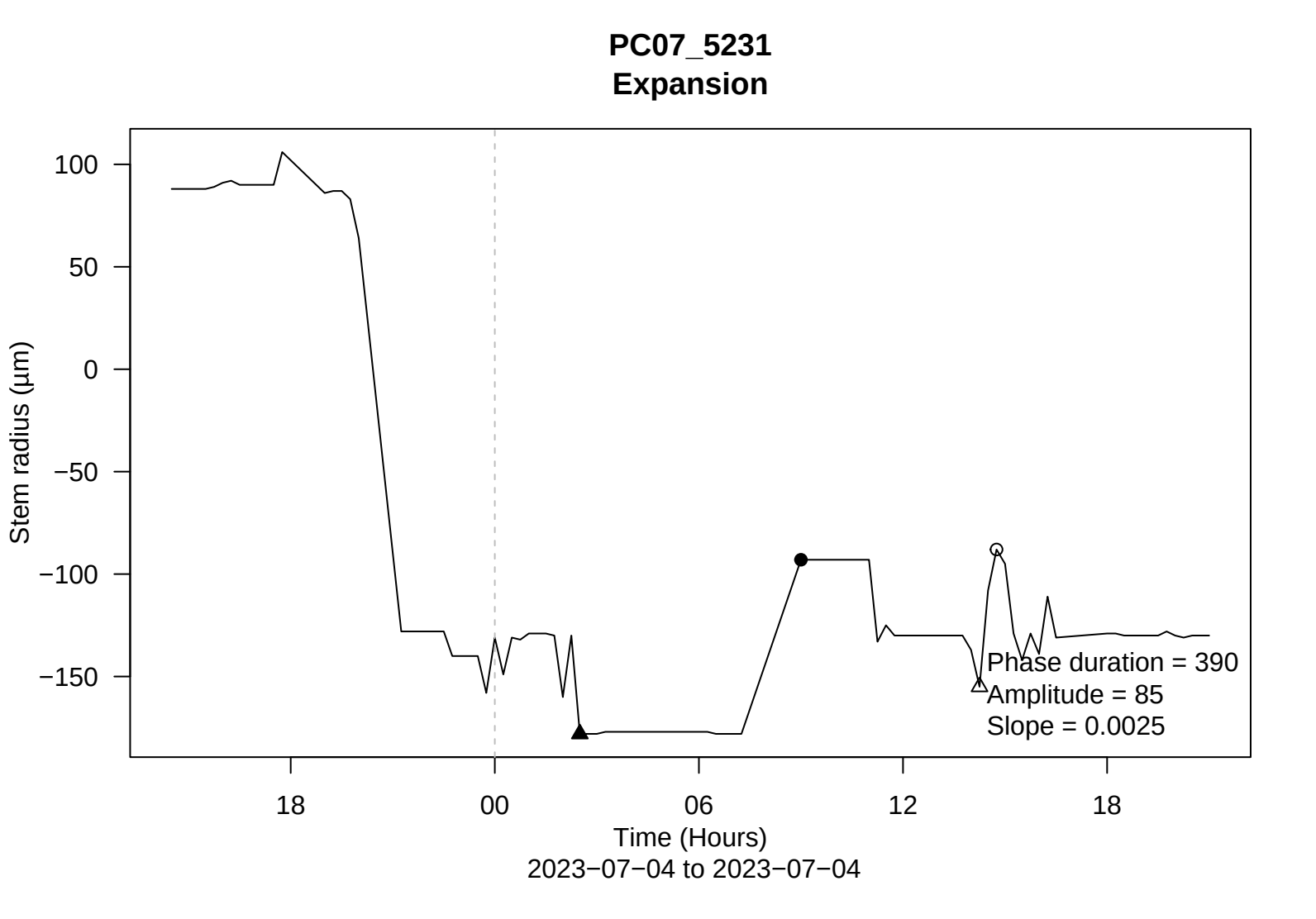

PC07_5231
Expansion
1350
1300
1250
1200
1150
Stem radius (µm)
18
00
06
12
18
Time (Hours)
2023−06−30 to 2023−06−30
Phase duration = 270
Amplitude = 175
Slope = 0.0094

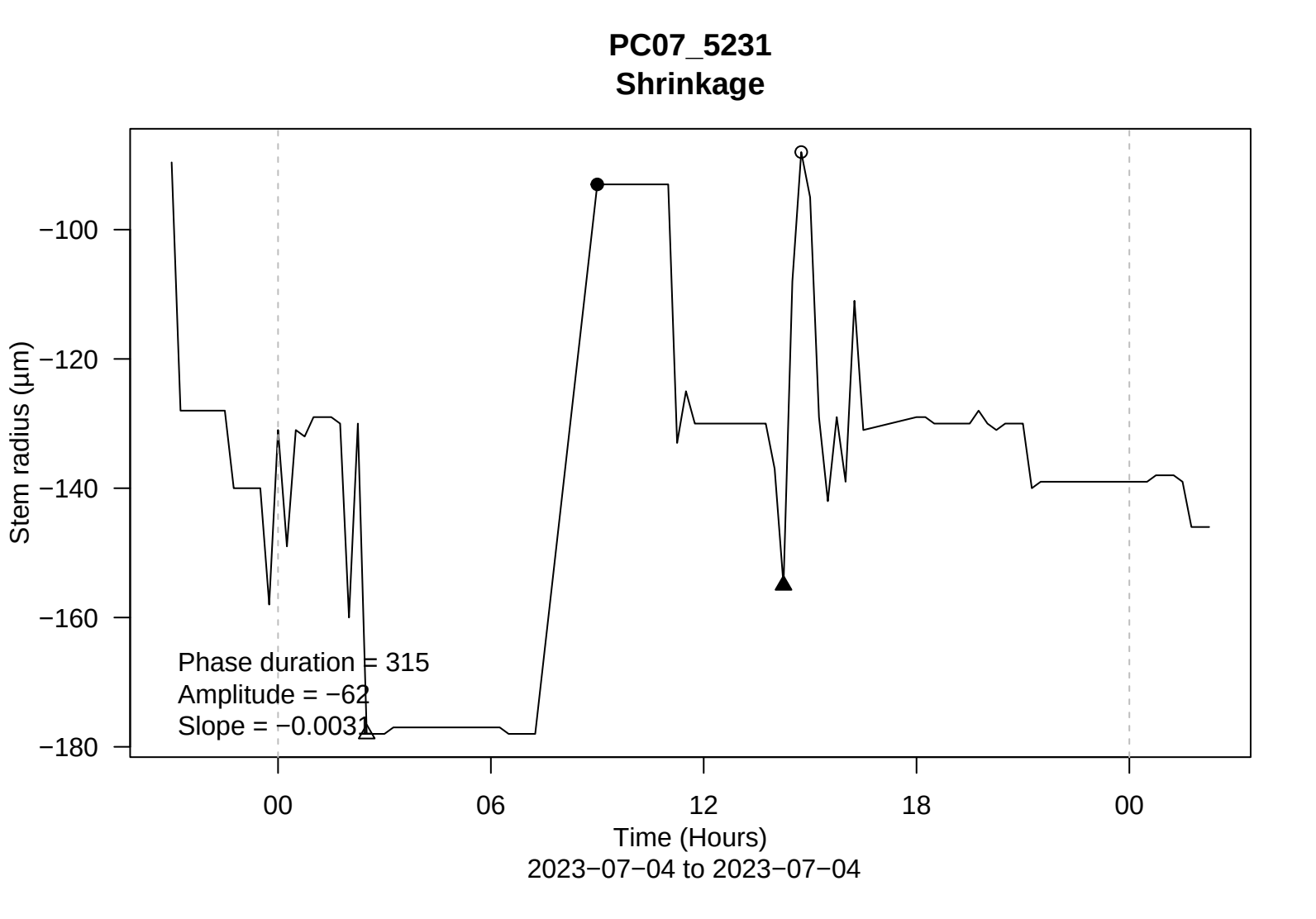

PC07_5231
Shrinkage
Stem radius (µm)
1300
1200
1100
1000
Phase duration = 1140
Amplitude = −367
Slope = −0.0025
00
12
00
12
Time (Hours)
2023−06−30 to 2023−07−01

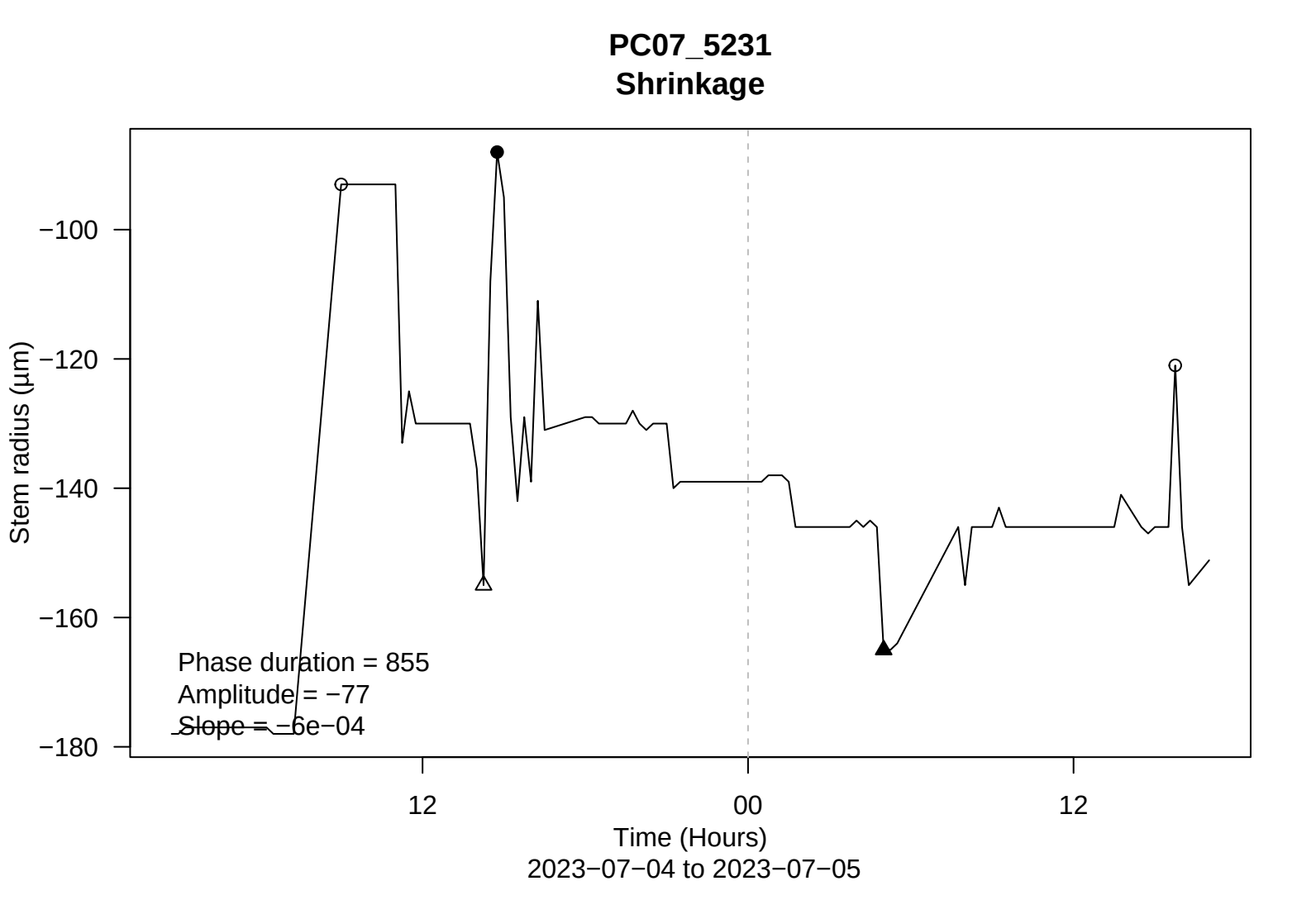

PC07_5231
Expansion
1200
1150
1100
1050
1000
950
Stem radius (µm)
00
12
00
12
Time (Hours)
2023−07−01 to 2023−07−01
Phase duration = 1065
Amplitude = 114
Slope = 5e−04

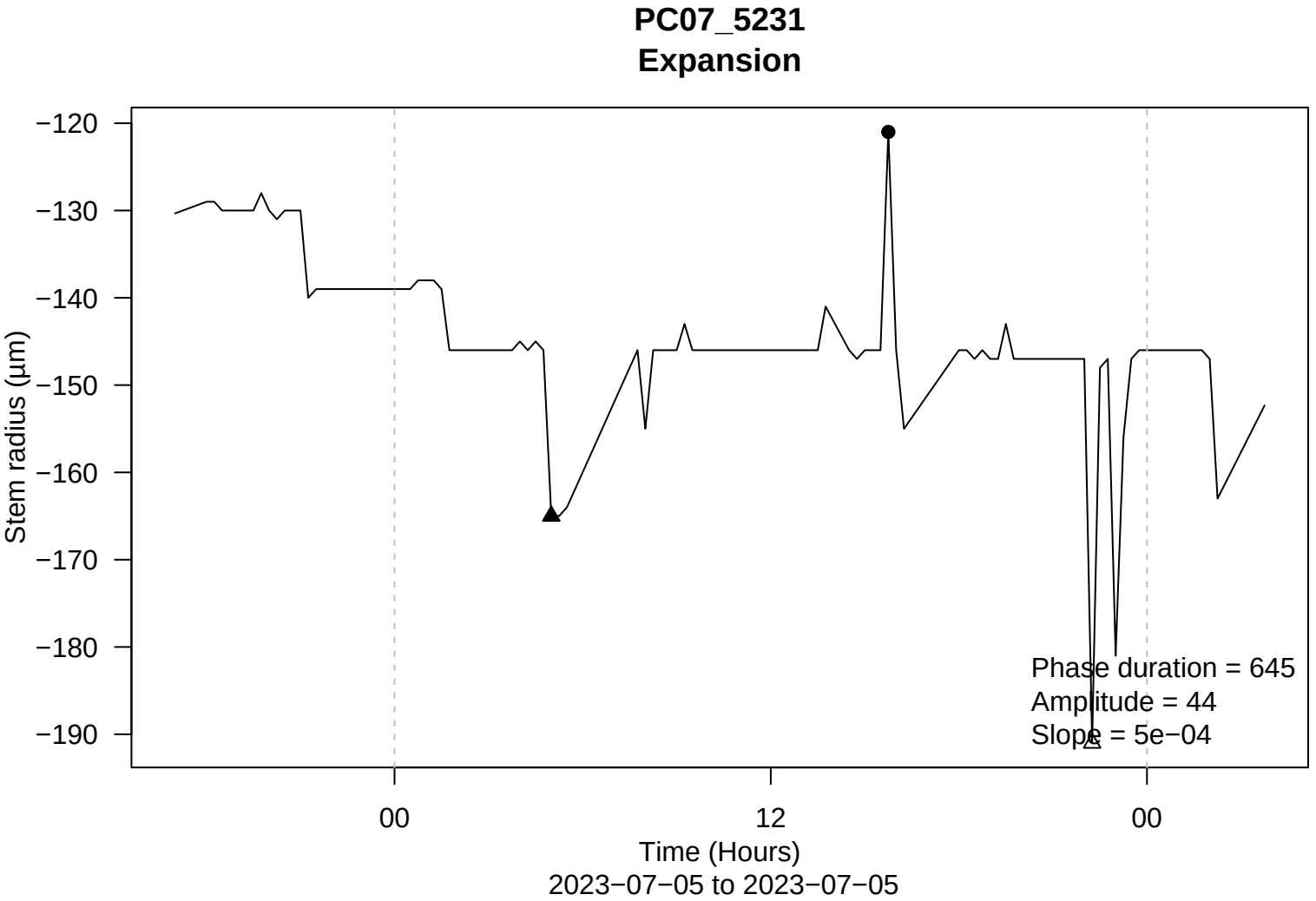

PC07_5231
Shrinkage
Stem radius (µm)
1000
800
600
400
200
Phase duration = 1740
Amplitude = −439
Slope = −0.0045
12
00
12
00
12
Time (Hours)
2023−07−01 to 2023−07−03

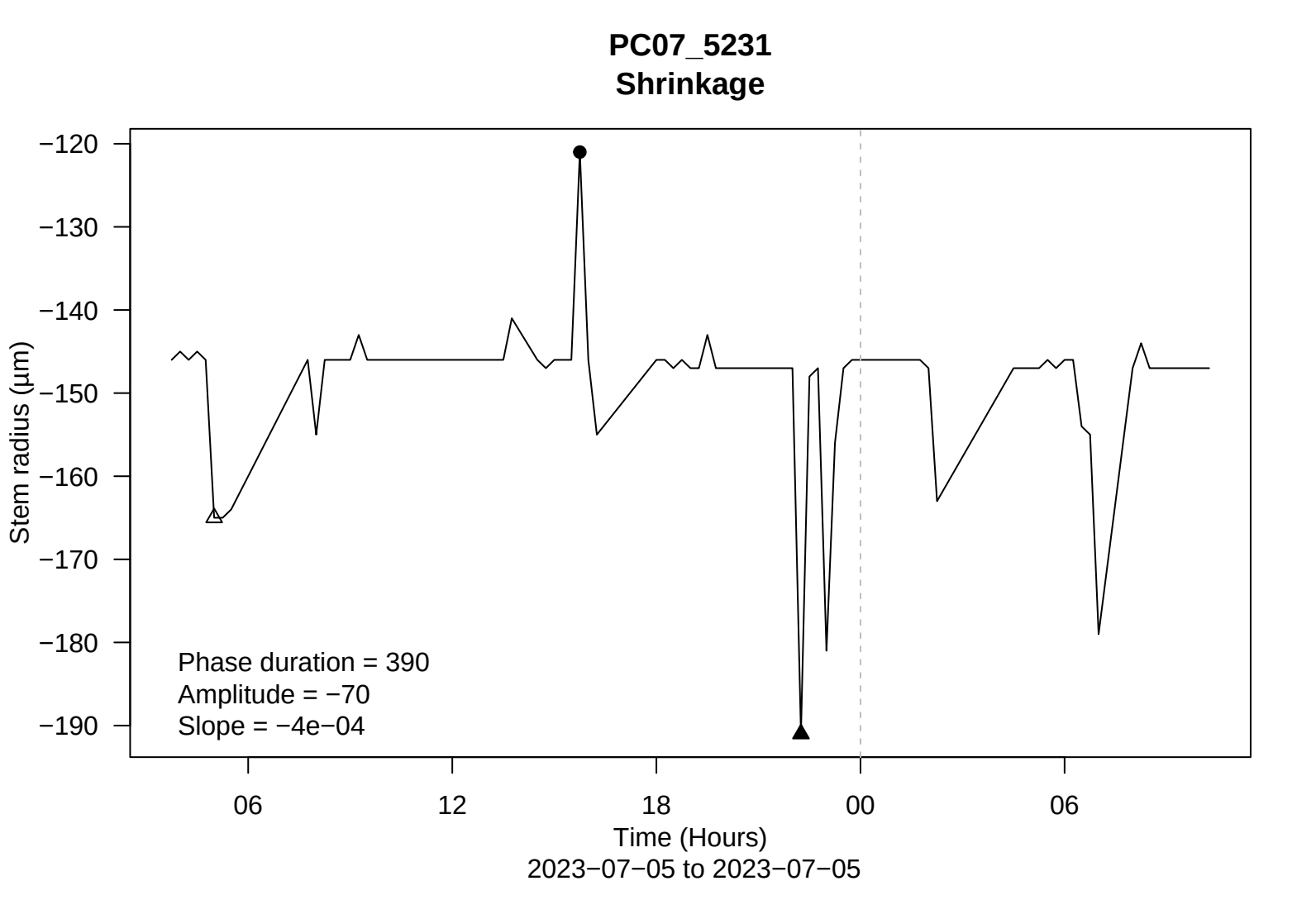

PC07_5231
Shrinkage
800
600
400
200
0
−200
Stem radius (µm)
Phase duration = 1305
Amplitude = −946
Slope = −0.0141
00
12
00
12
Time (Hours)
2023−07−03 to 2023−07−04

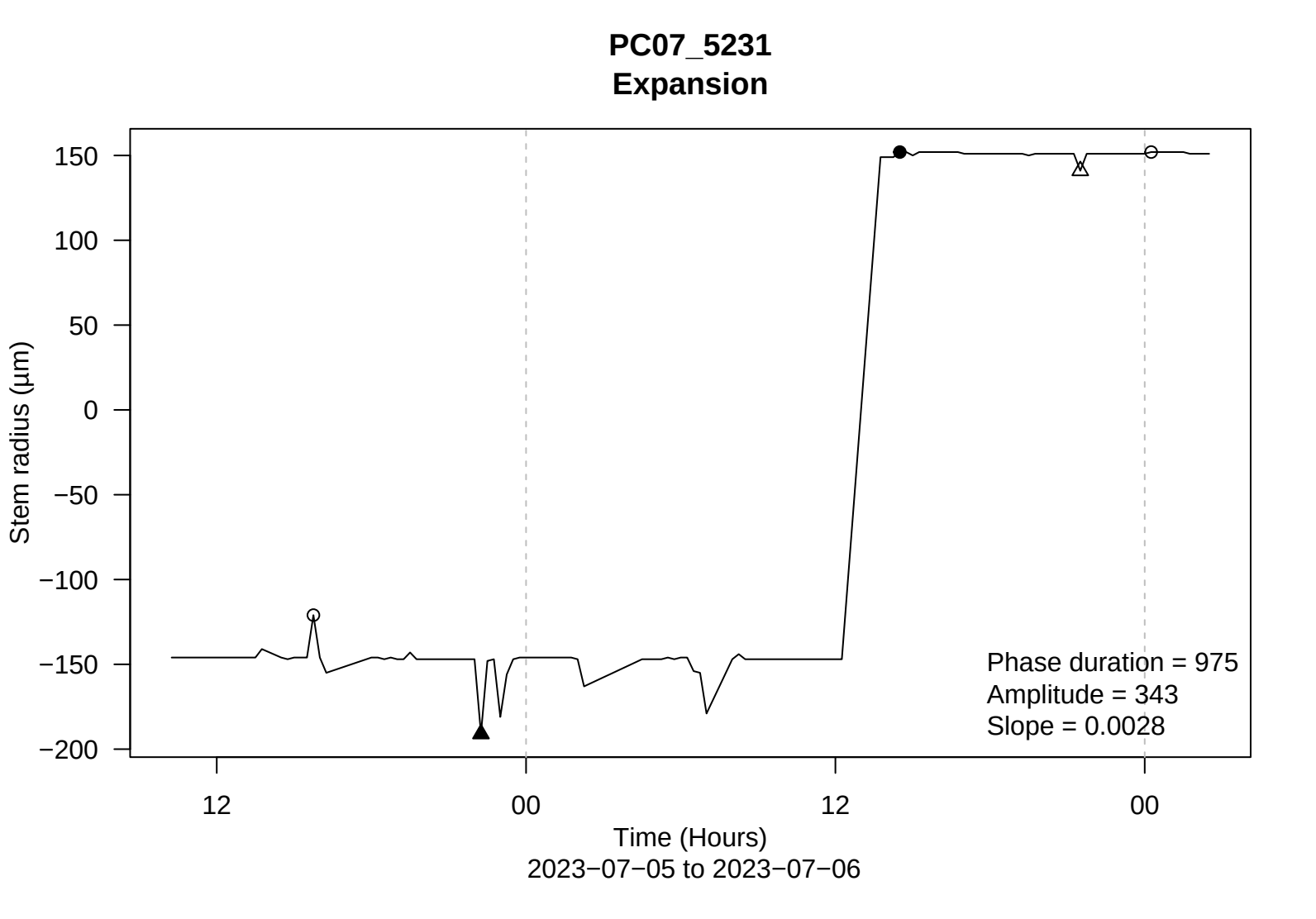

PC07_5231
Expansion
100
50
0
−50
−100
−150
Stem radius (µm)
18
00
06
12
18
Time (Hours)
2023−07−04 to 2023−07−04
Phase duration = 390
Amplitude = 85
Slope = 0.0025

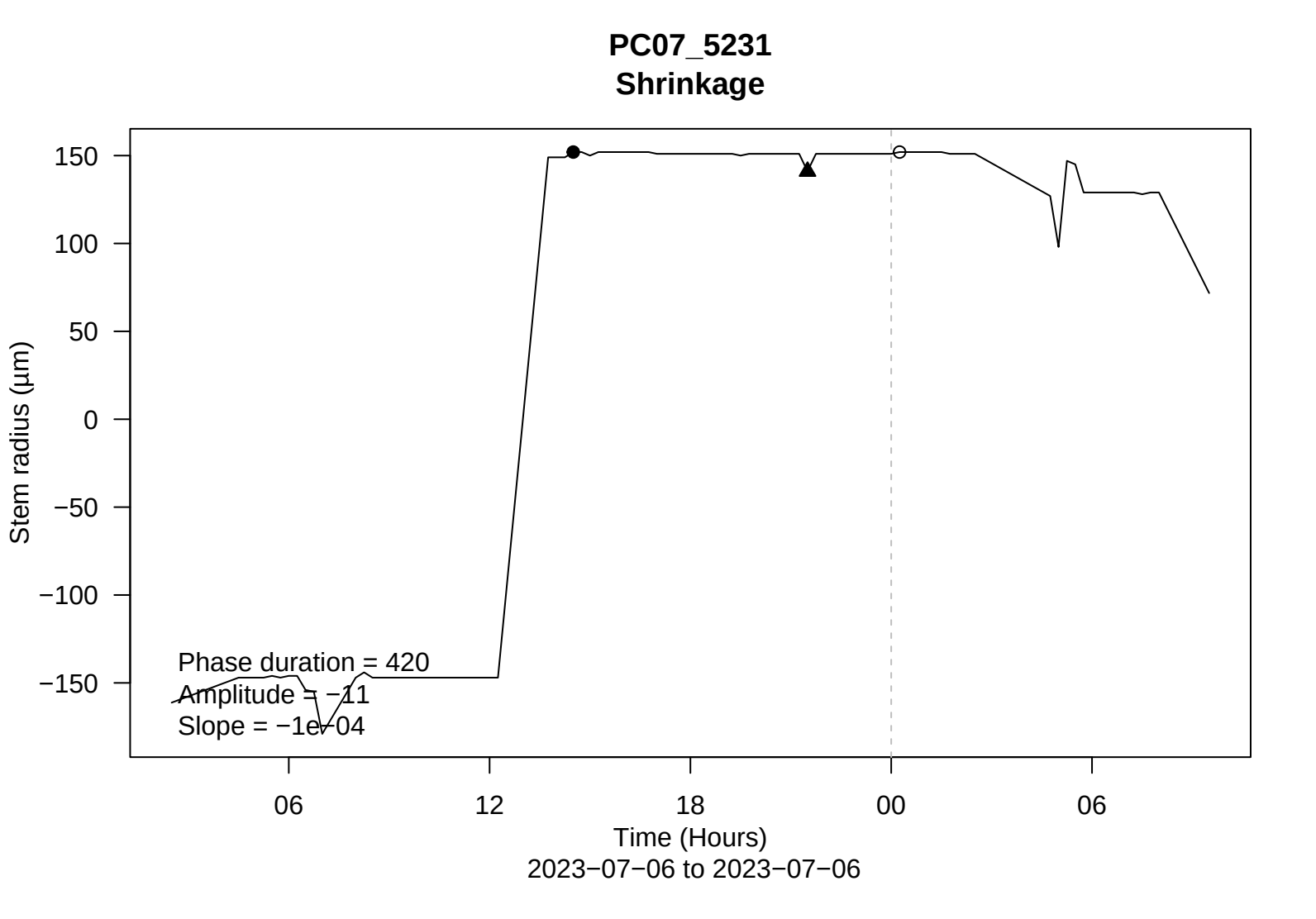

PC07_5231
Shrinkage
Stem radius (µm)
−100
−120
−140
−160
−180
Phase duration = 315
Amplitude = −62
Slope = −0.0031
00
06
12
18
00
Time (Hours)
2023−07−04 to 2023−07−04

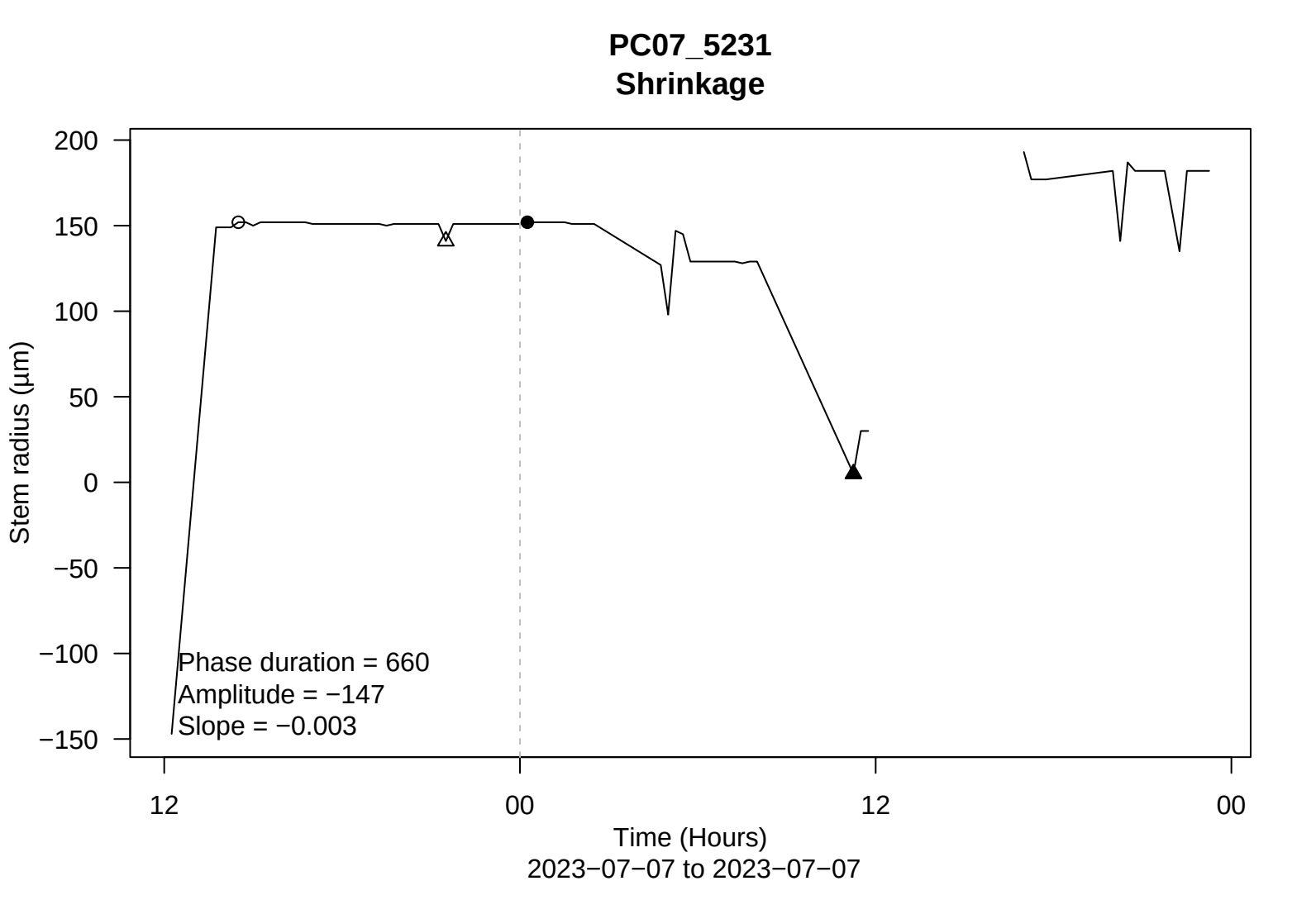

PC07_5231
Shrinkage
Stem radius (µm)
−100
−120
−140
−160
−180
Phase duration = 855
Amplitude = −77
Slope = −6e−04
12
00
12
Time (Hours)
2023−07−04 to 2023−07−05

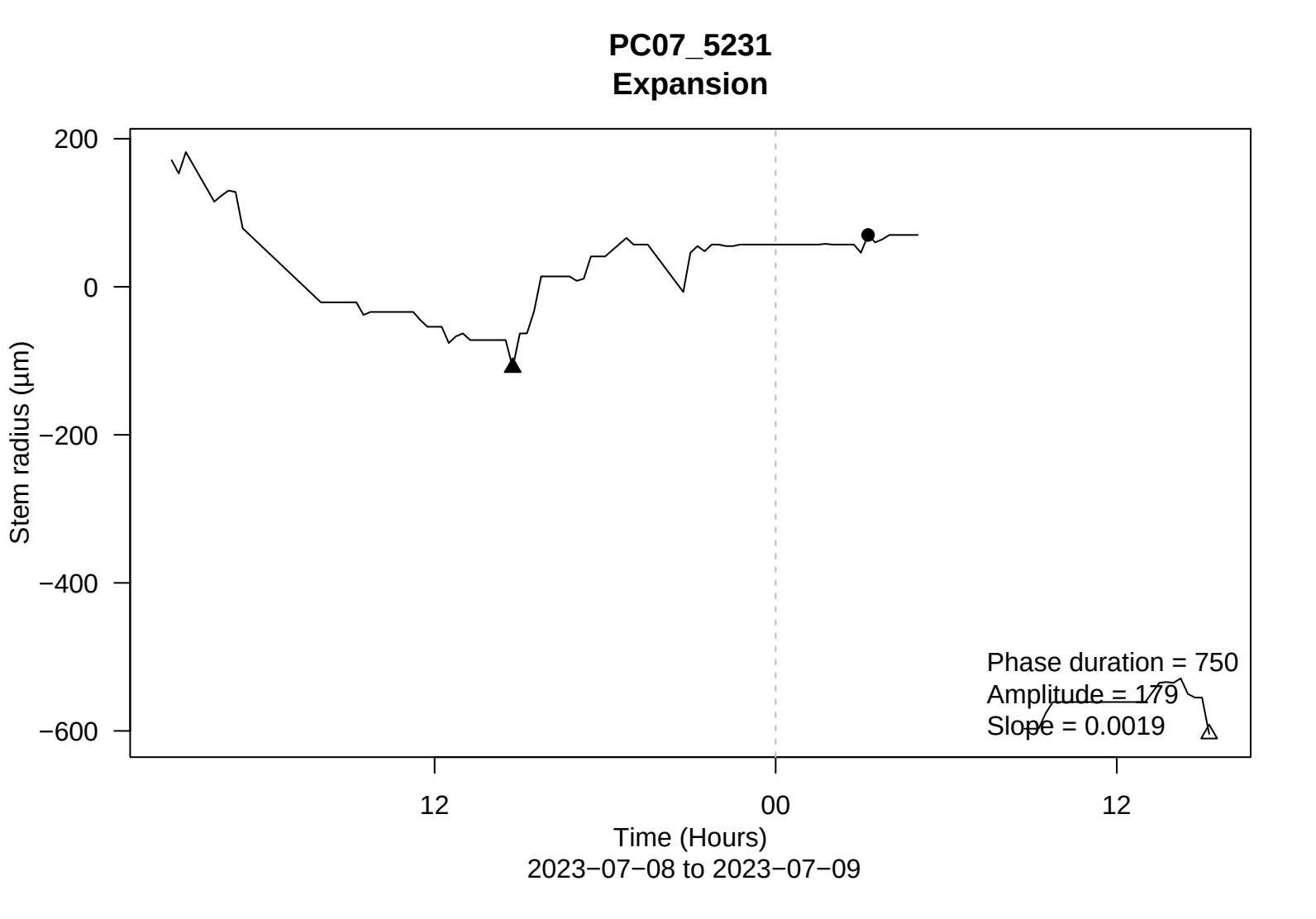

PC07_5231
Expansion
−120
−130
−140
−150
−160
−170
−180
−190
Stem radius (µm)
Phase duration = 645
Amplitude = 44
Slope = 5e−04
00
12
00
Time (Hours)
2023−07−05 to 2023−07−05

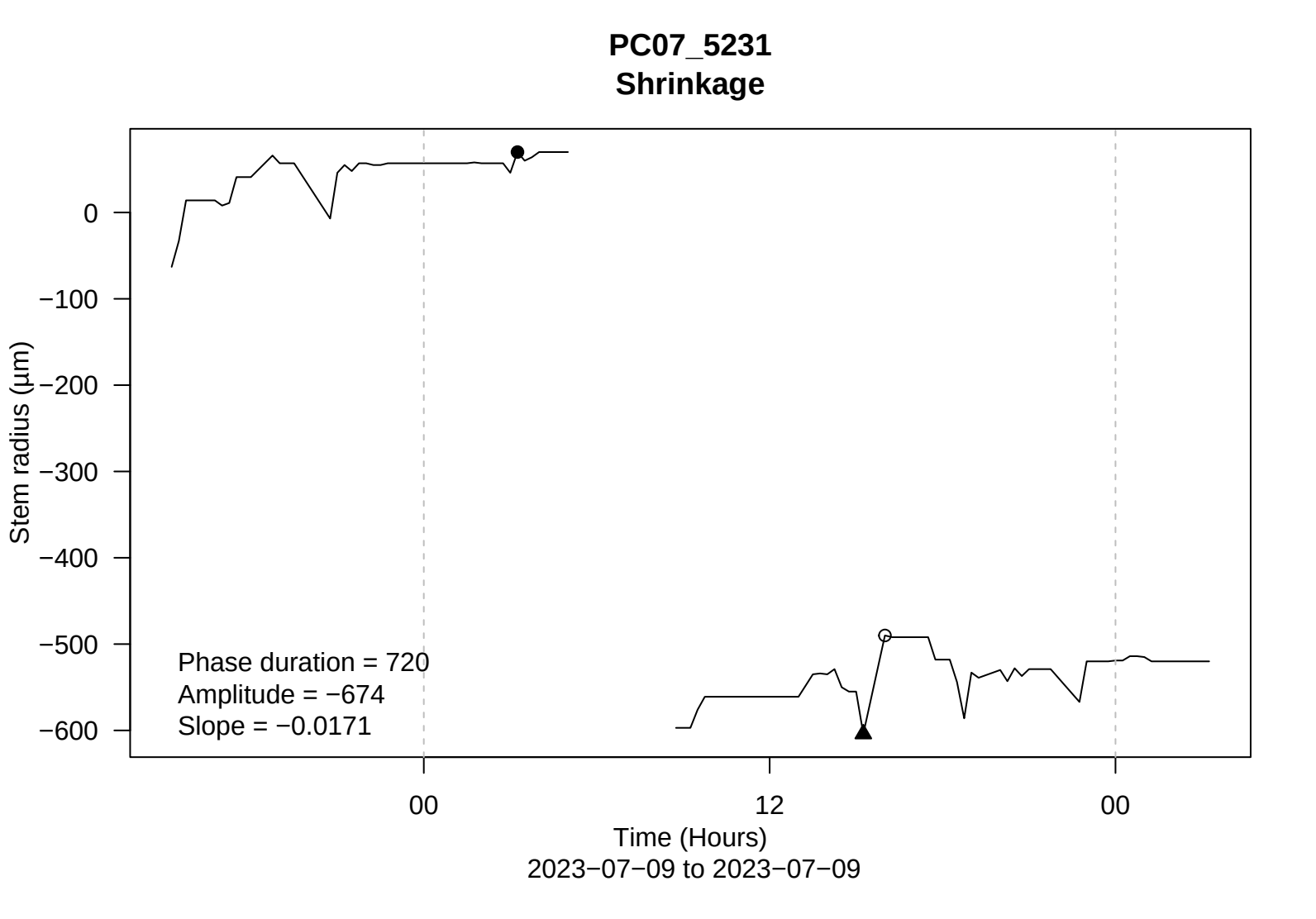

PC07_5231
Shrinkage
−120
−130
−140
−150
−160
−170
−180
−190
Stem radius (µm)
Phase duration = 390
Amplitude = −70
Slope = −4e−04
06
12
18
00
06
Time (Hours)
2023−07−05 to 2023−07−05

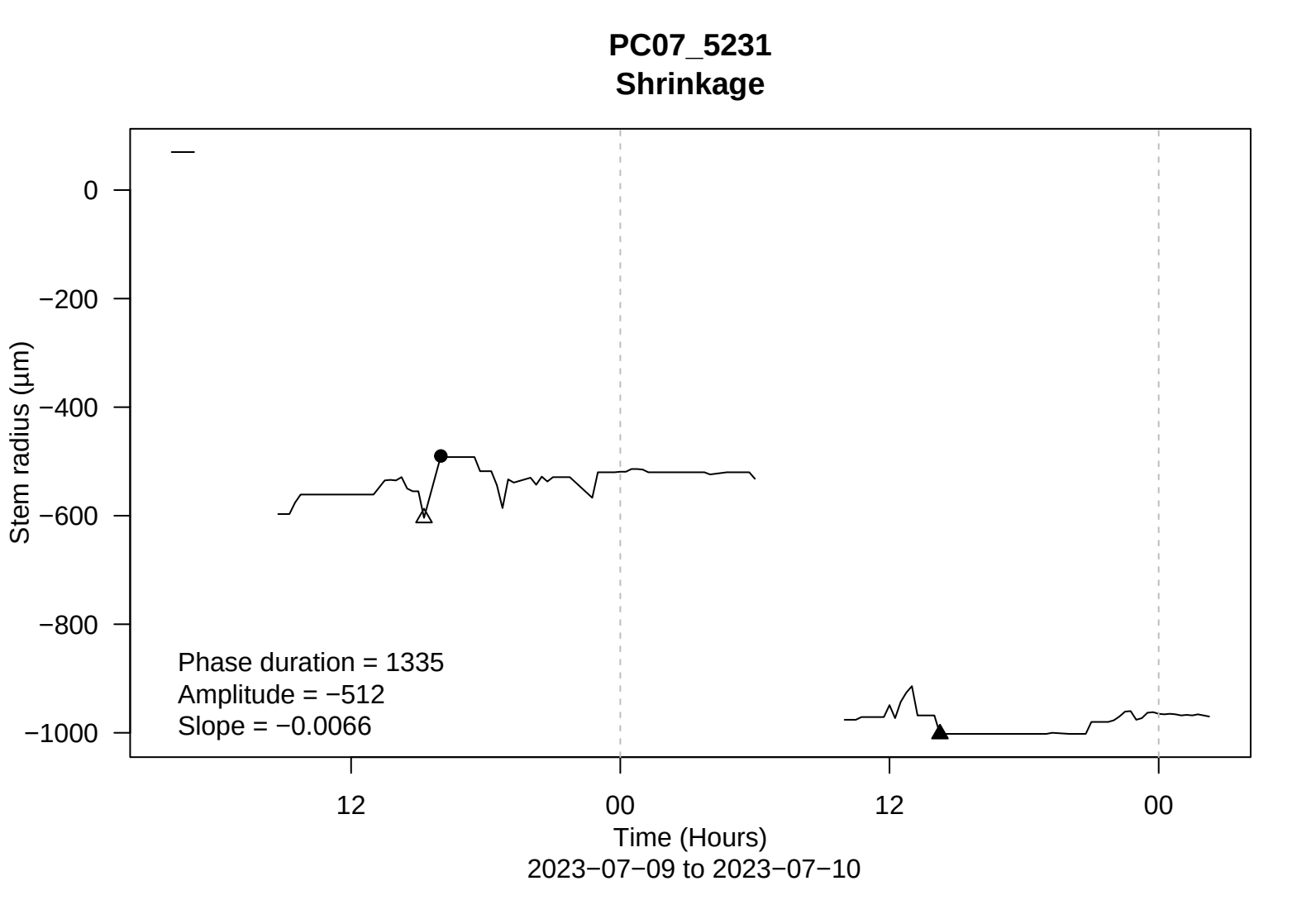

PC07_5231
Expansion
150
100
50
0
−50
−100
−150
−200
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−07−05 to 2023−07−06
Phase duration = 975
Amplitude = 343
Slope = 0.0028

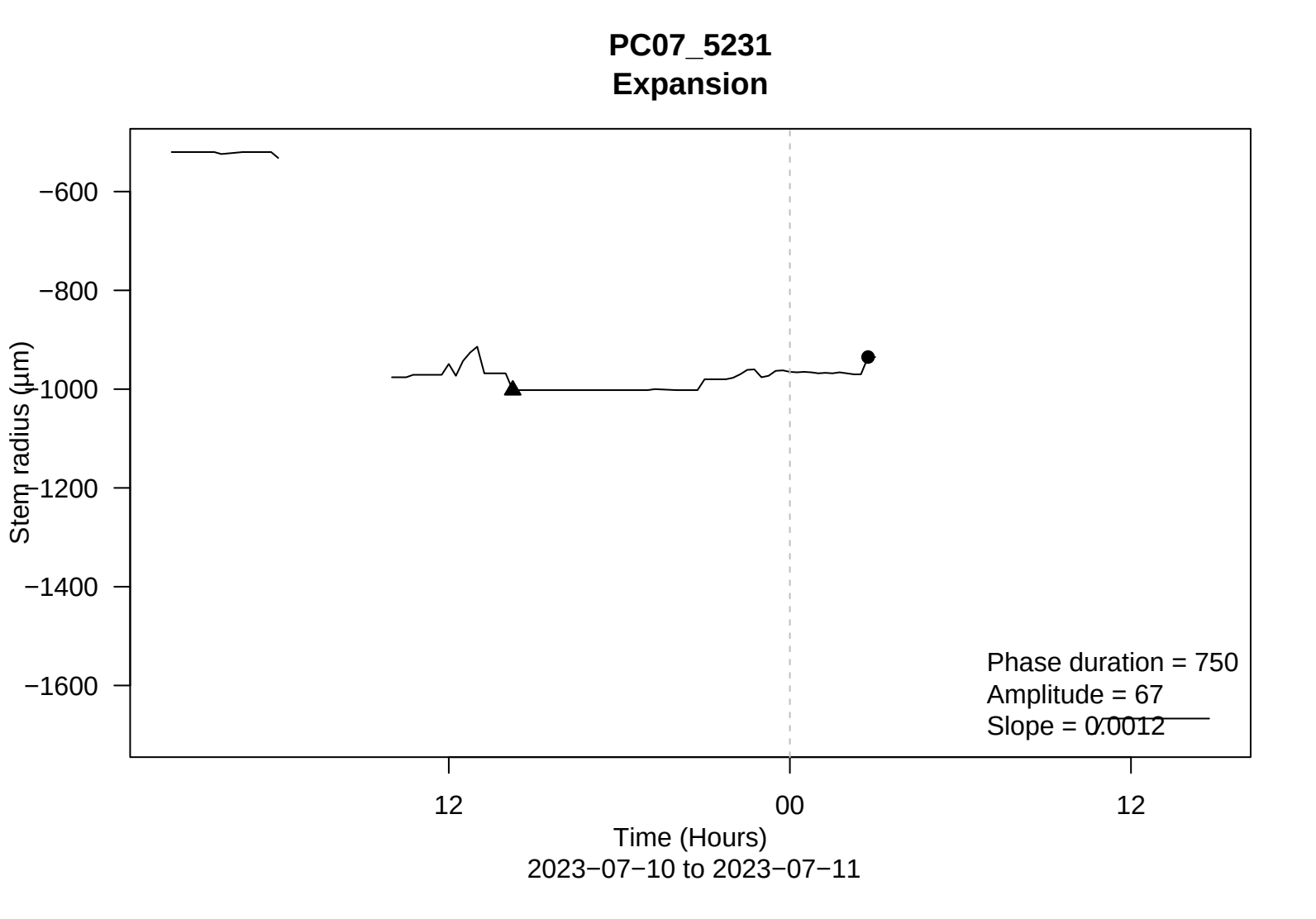

PC07_5231
Shrinkage
150
100
50
0
−50
−100
−150
Stem radius (µm)
Phase duration = 420
Amplitude = −11
Slope = −1e−04
06
12
18
00
06
Time (Hours)
2023−07−06 to 2023−07−06

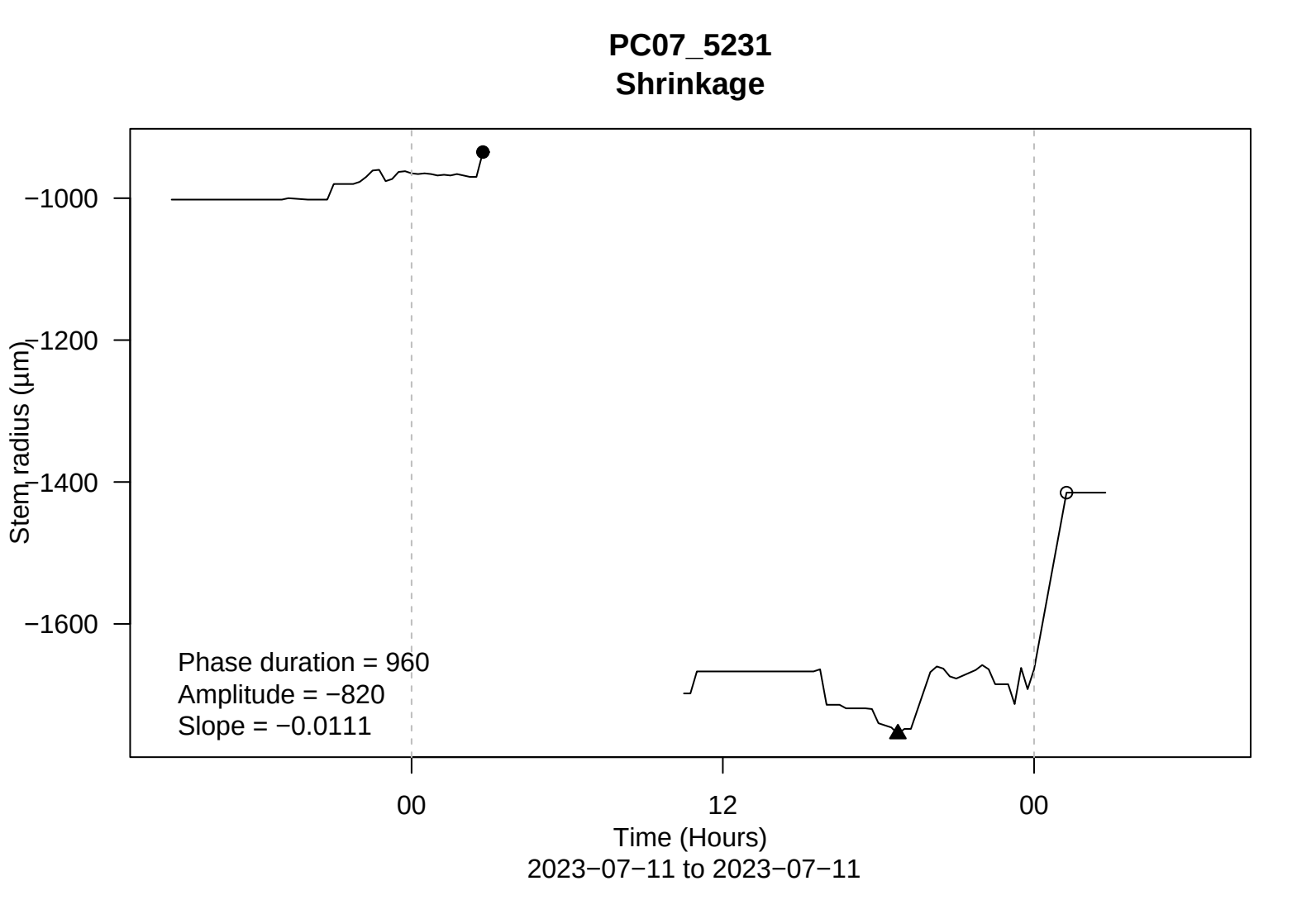

PC07_5231
Shrinkage
200
150
100
50
0
−50
−100
−150
Stem radius (µm)
Phase duration = 660
Amplitude = −147
Slope = −0.003
12
00
12
00
Time (Hours)
2023−07−07 to 2023−07−07

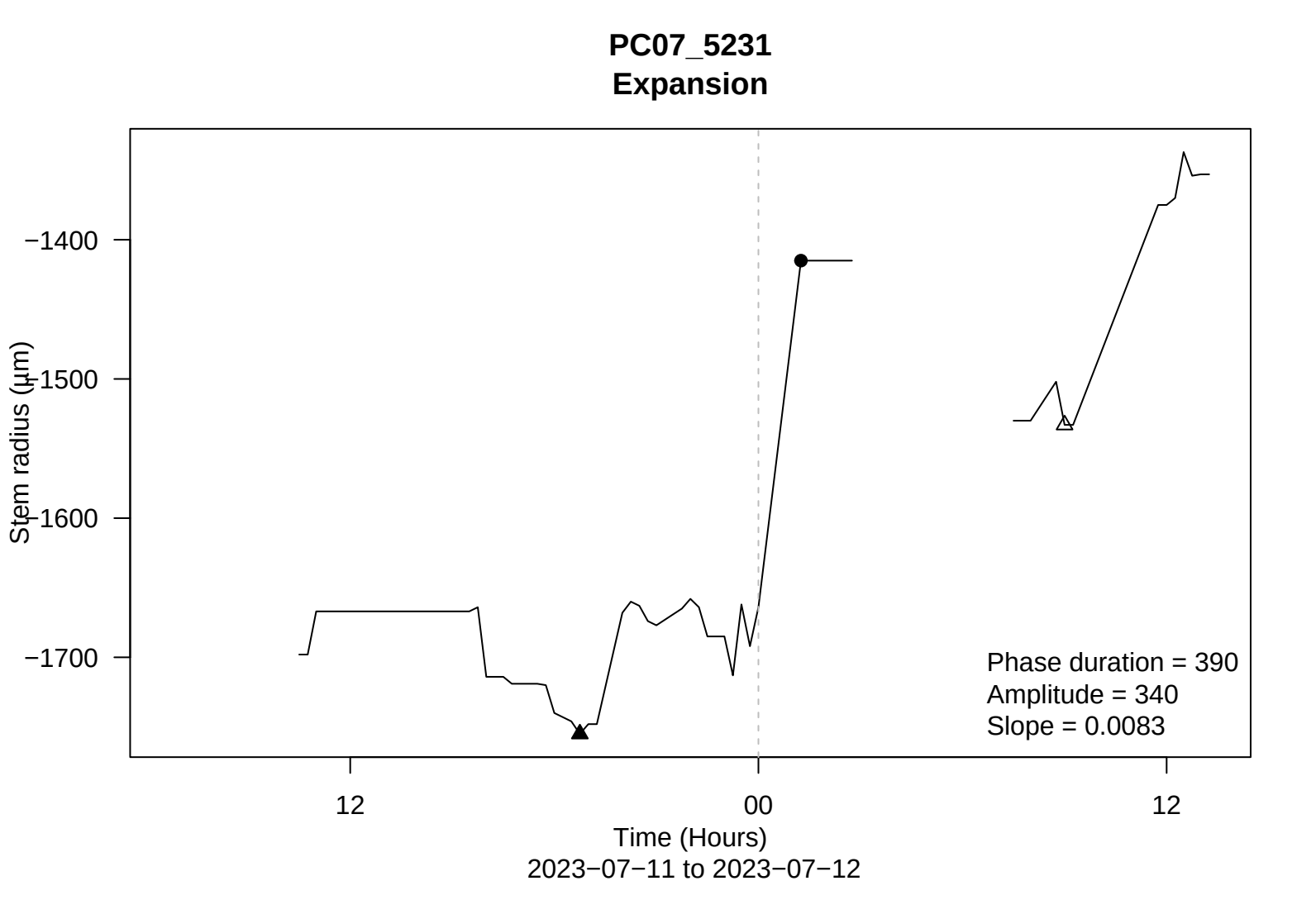

PC07_5231
Expansion
200
0
−200
−400
−600
Stem radius (µm)
12
00
12
Time (Hours)
2023−07−08 to 2023−07−09
Phase duration = 750
Amplitude = 179
Slope = 0.0019

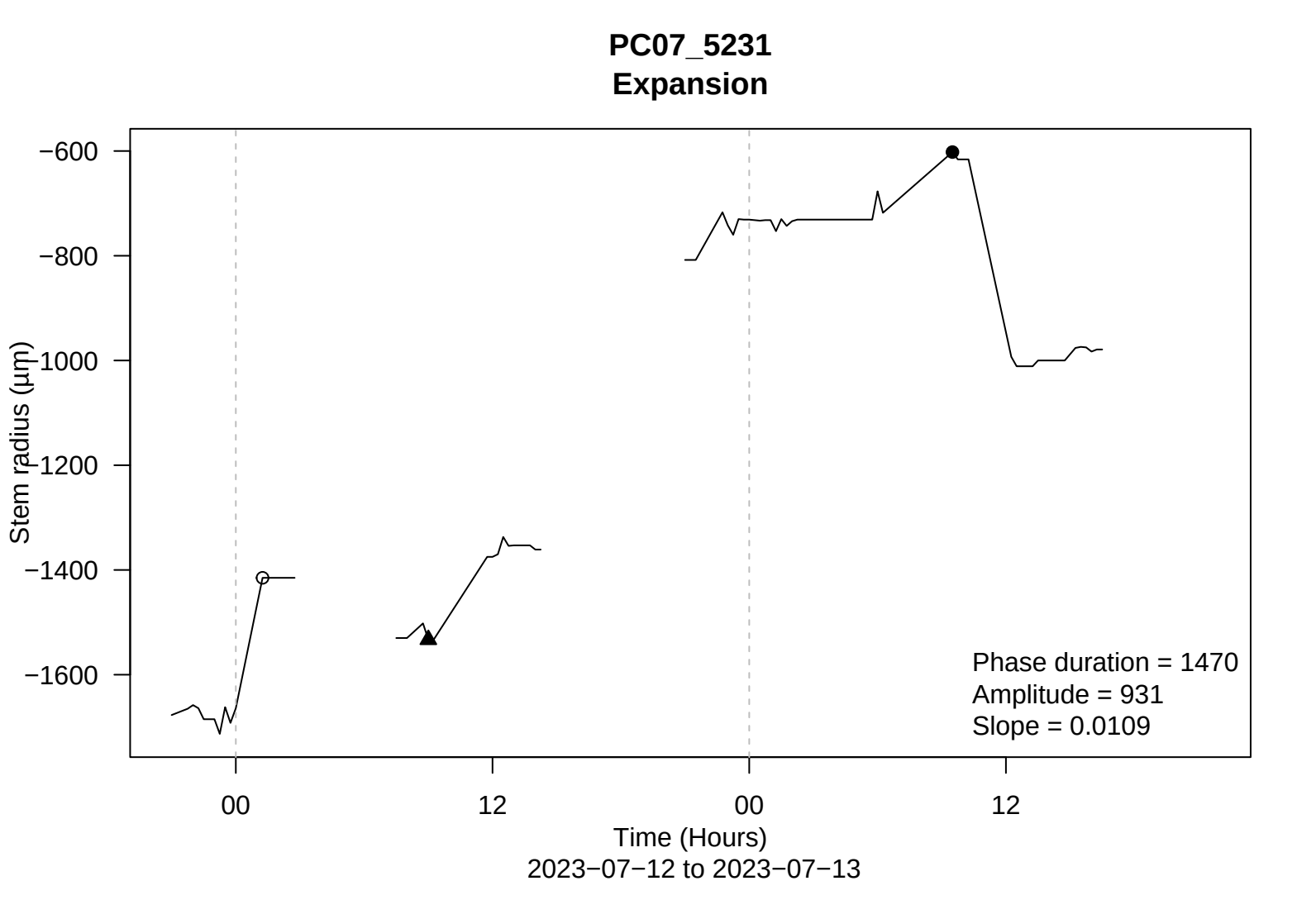

PC07_5231
Shrinkage
0
−100
−200
−300
−400
−500
−600
Stem radius (µm)
Phase duration = 720
Amplitude = −674
Slope = −0.0171
00
12
00
Time (Hours)
2023−07−09 to 2023−07−09

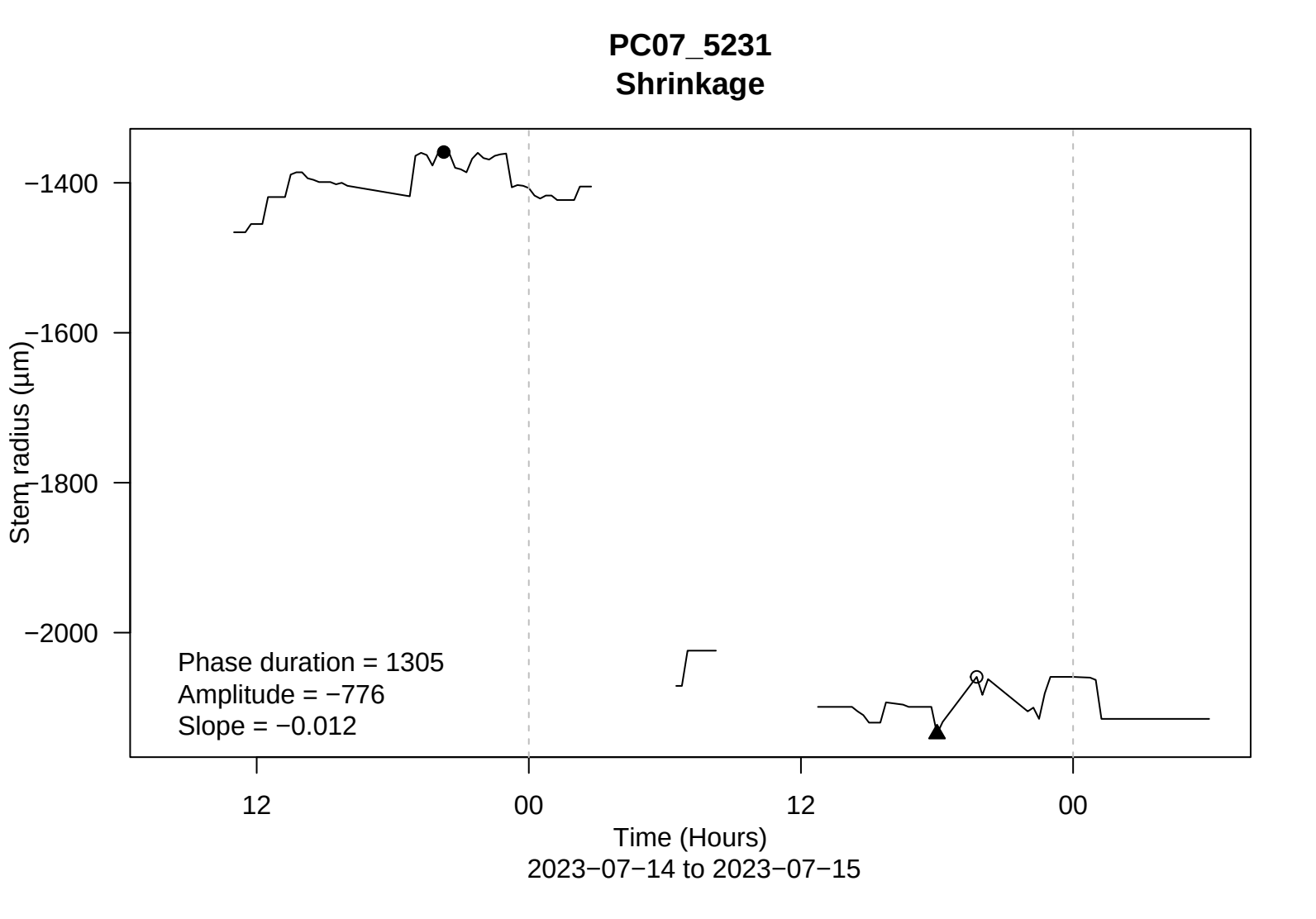

PC07_5231
Shrinkage
0
−200
−400
−600
−800
−1000
Stem radius (µm)
Phase duration = 1335
Amplitude = −512
Slope = −0.0066
12
00
12
00
Time (Hours)
2023−07−09 to 2023−07−10

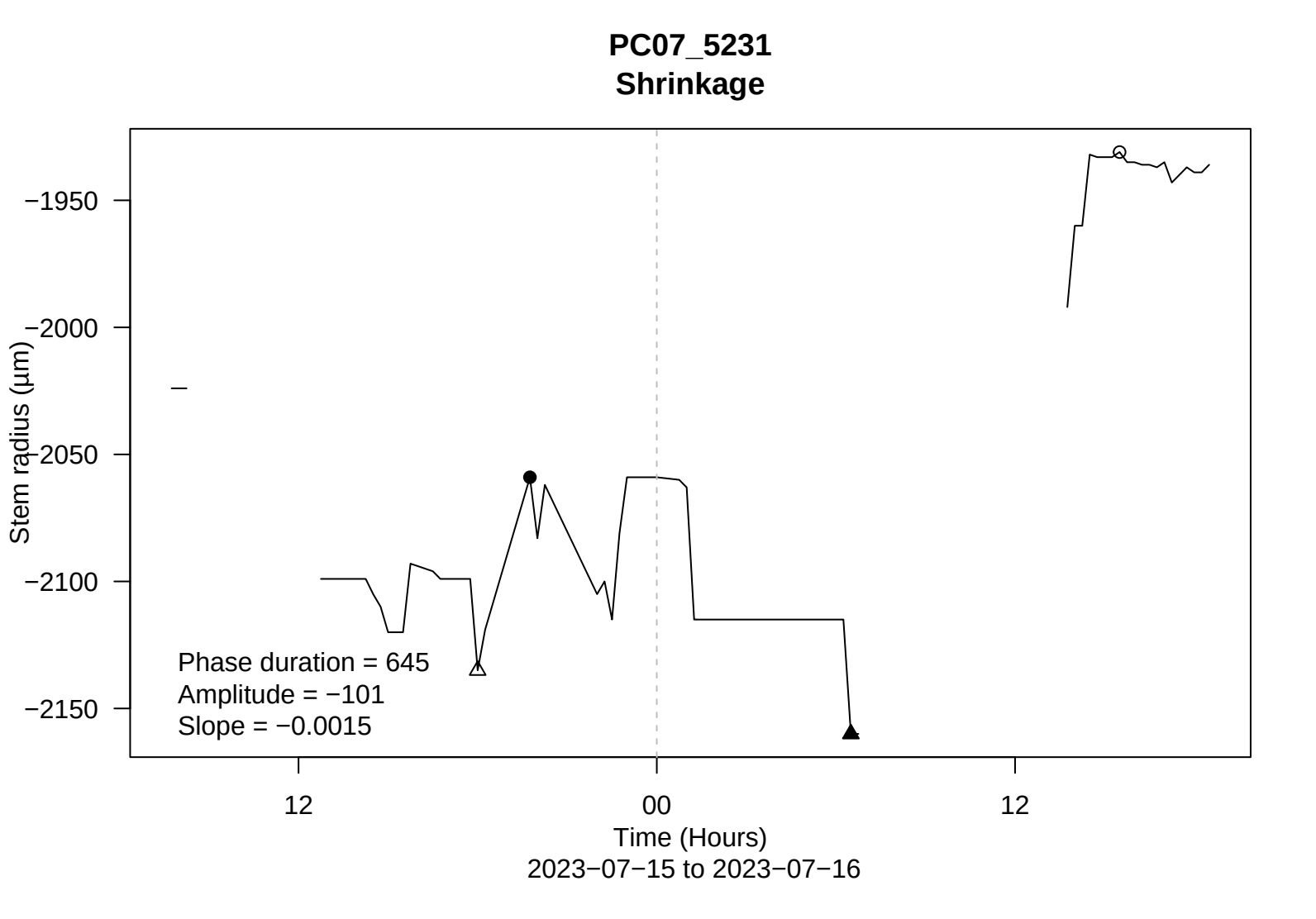

PC07_5231
Expansion
−600
−800
−1000
−1200
−1400
−1600
Stem radius (µm)
Phase duration = 750
Amplitude = 67
Slope = 0.0012
12
00
12
Time (Hours)
2023−07−10 to 2023−07−11

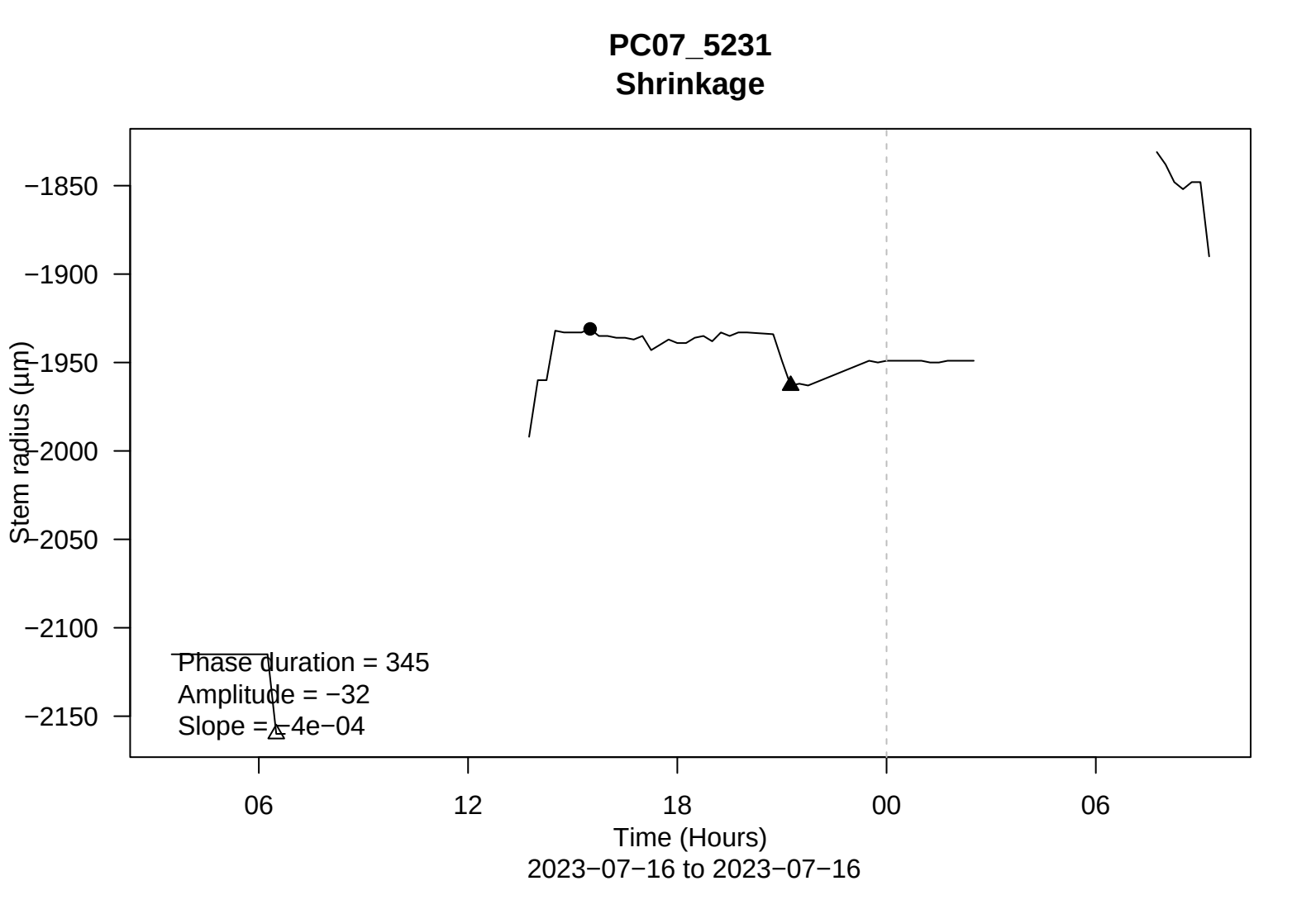

PC07_5231
Shrinkage
−1000
−1200
−1400
−1600
Stem radius (µm)
Phase duration = 960
Amplitude = −820
Slope = −0.0111
00
12
00
Time (Hours)
2023−07−11 to 2023−07−11

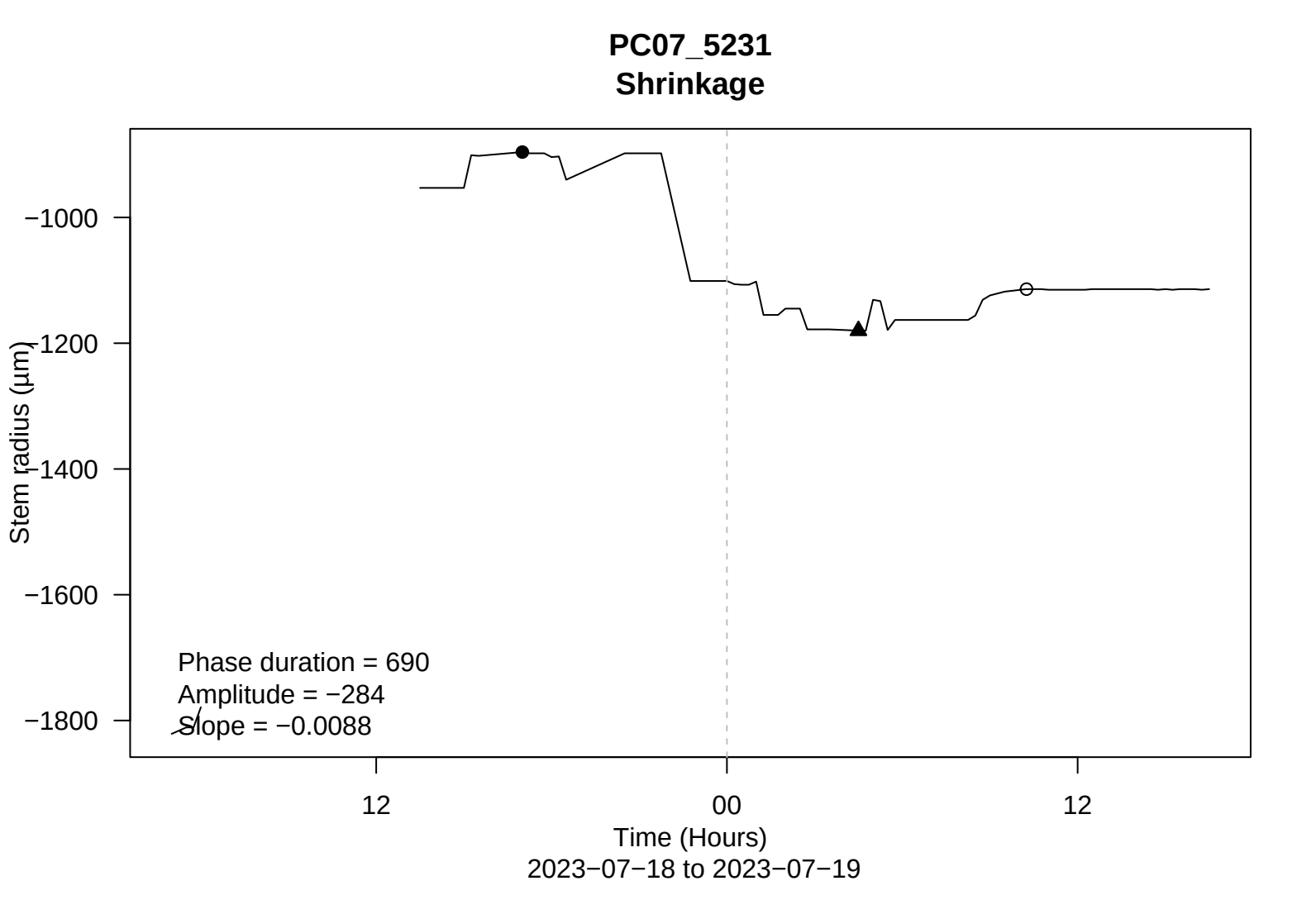

PC07_5231
Expansion
−1400
−1500
−1600
−1700
Stem radius (µm)
Phase duration = 390
Amplitude = 340
Slope = 0.0083
12
00
12
Time (Hours)
2023−07−11 to 2023−07−12

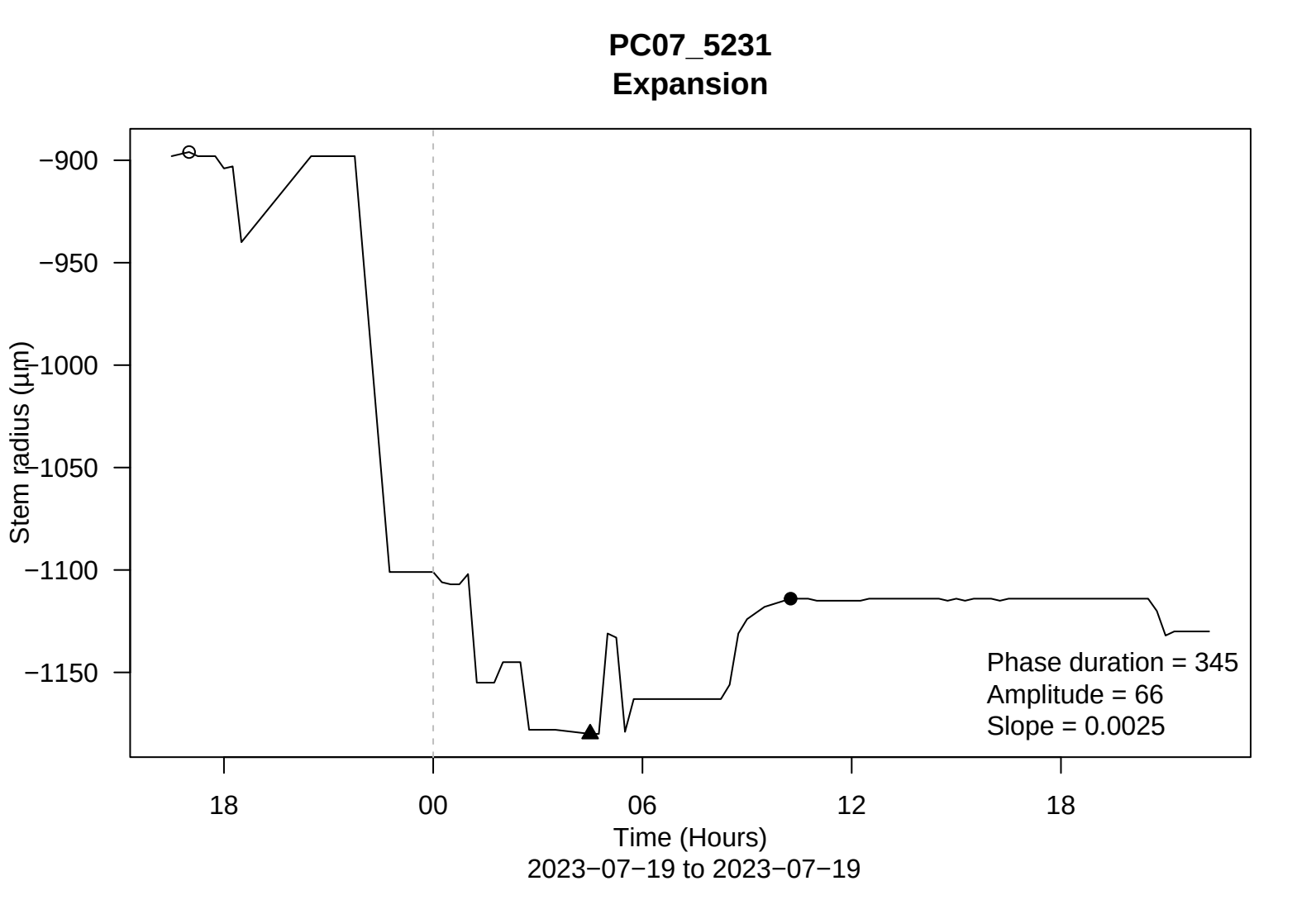

PC07_5231
Expansion
−600
−800
−1000
−1200
−1400
−1600
Stem radius (µm)
Phase duration = 1470
Amplitude = 931
Slope = 0.0109
00
12
00
12
Time (Hours)
2023−07−12 to 2023−07−13

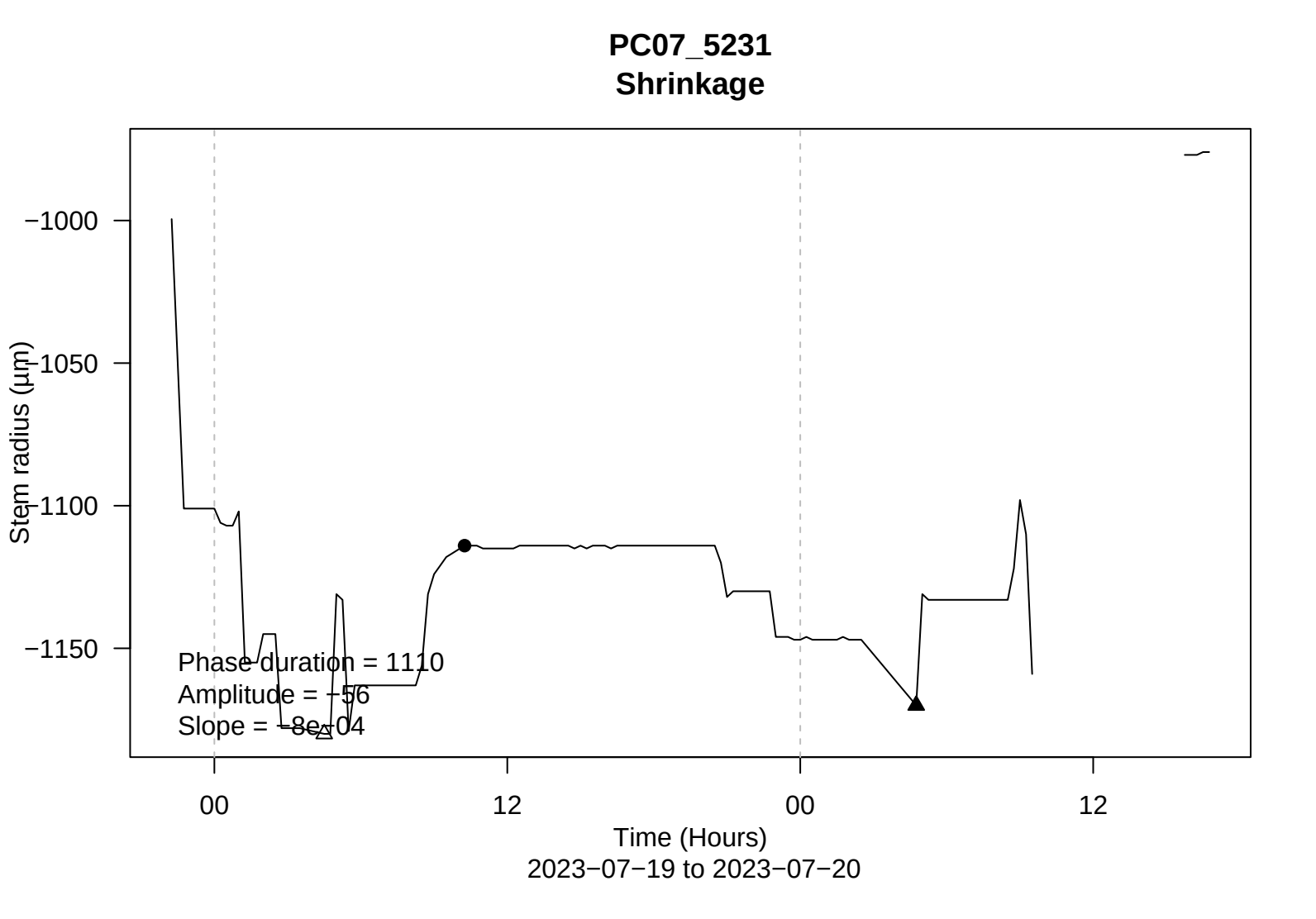

PC07_5231
Shrinkage
−1400
−1600
−1800
−2000
Stem radius (µm)
Phase duration = 1305
Amplitude = −776
Slope = −0.012
12
00
12
00
Time (Hours)
2023−07−14 to 2023−07−15

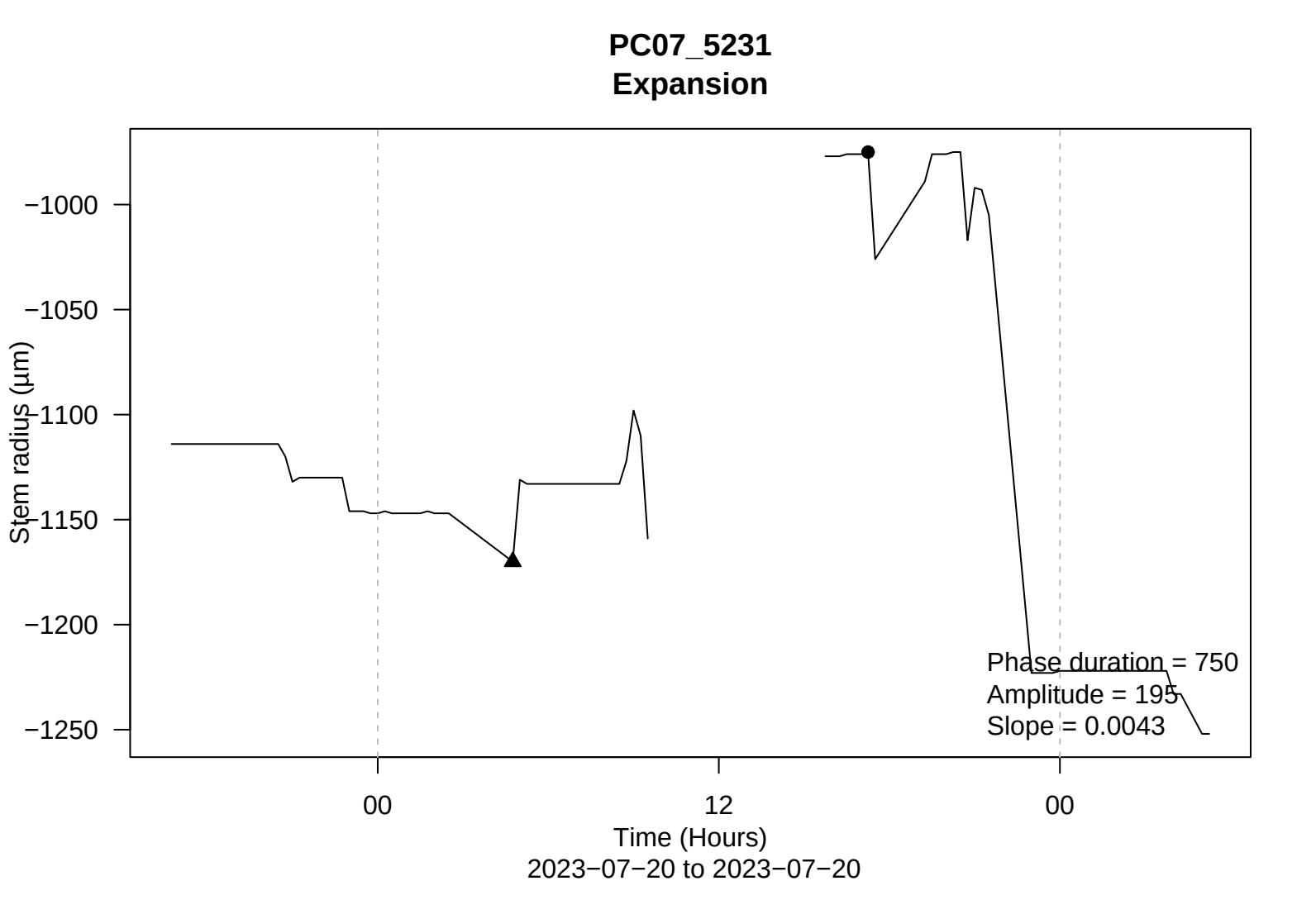

PC07_5231
Shrinkage
−1950
−2000
−2050
−2100
−2150
Stem radius (µm)
Phase duration = 645
Amplitude = −101
Slope = −0.0015
12
00
12
Time (Hours)
2023−07−15 to 2023−07−16

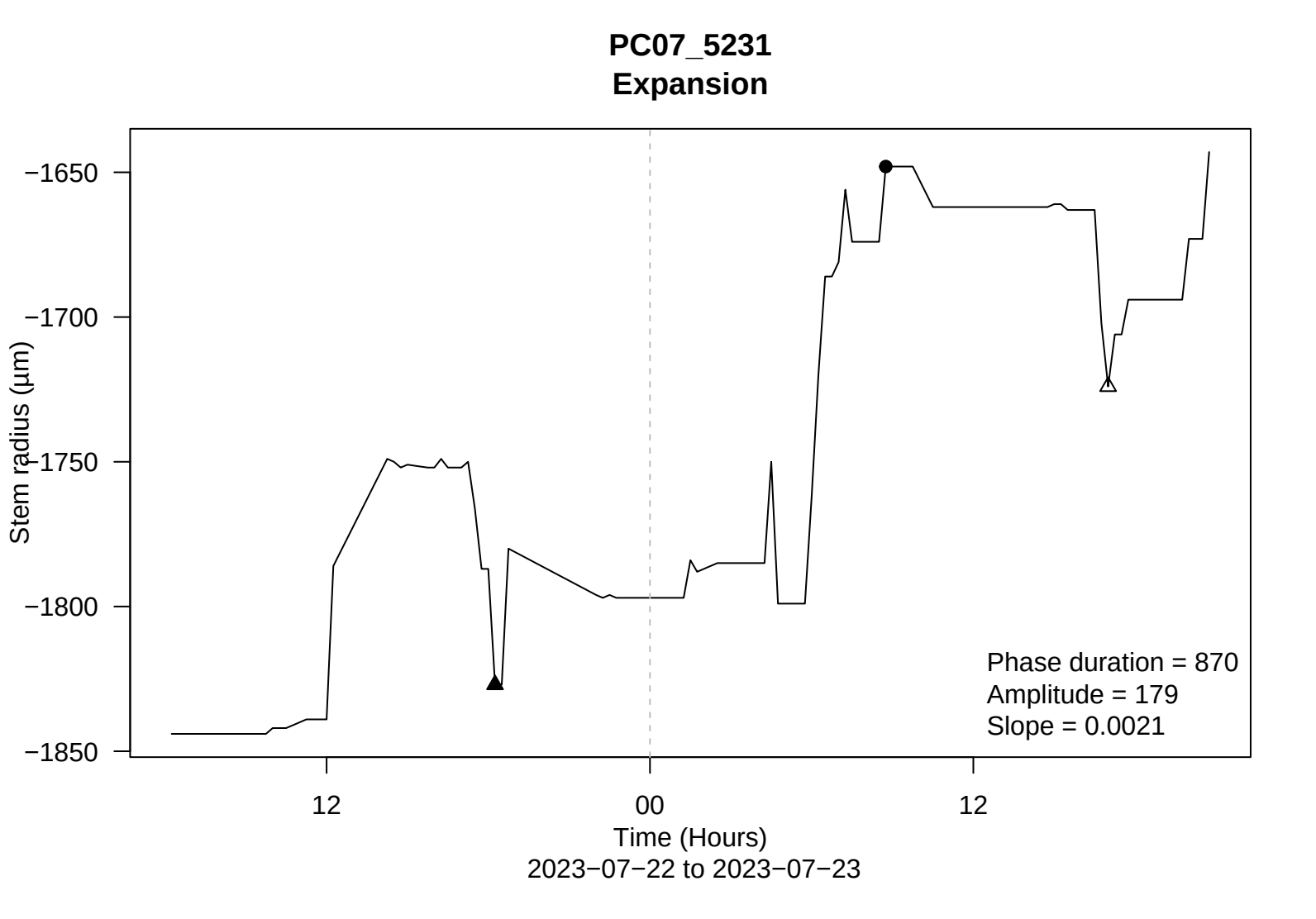

PC07_5231
Shrinkage
−1850
−1900
−1950
−2000
−2050
−2100
−2150
Stem radius (µm)
Phase duration = 345
Amplitude = −32
Slope = −4e−04
06
12
18
00
06
Time (Hours)
2023−07−16 to 2023−07−16

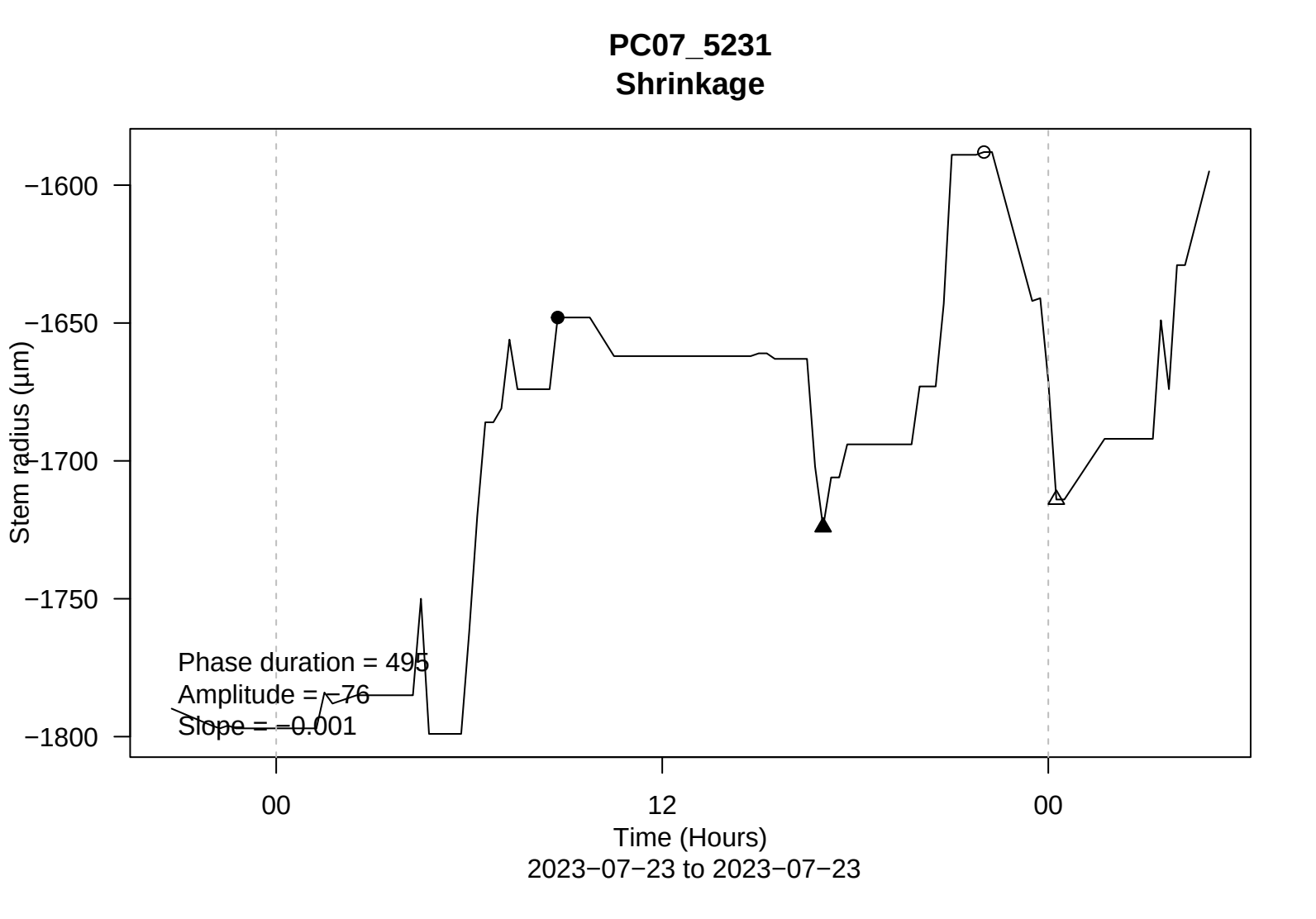

PC07_5231
Shrinkage
−1000
−1200
−1400
−1600
−1800
Stem radius (µm)
Phase duration = 690
Amplitude = −284
Slope = −0.0088
12
00
12
Time (Hours)
2023−07−18 to 2023−07−19

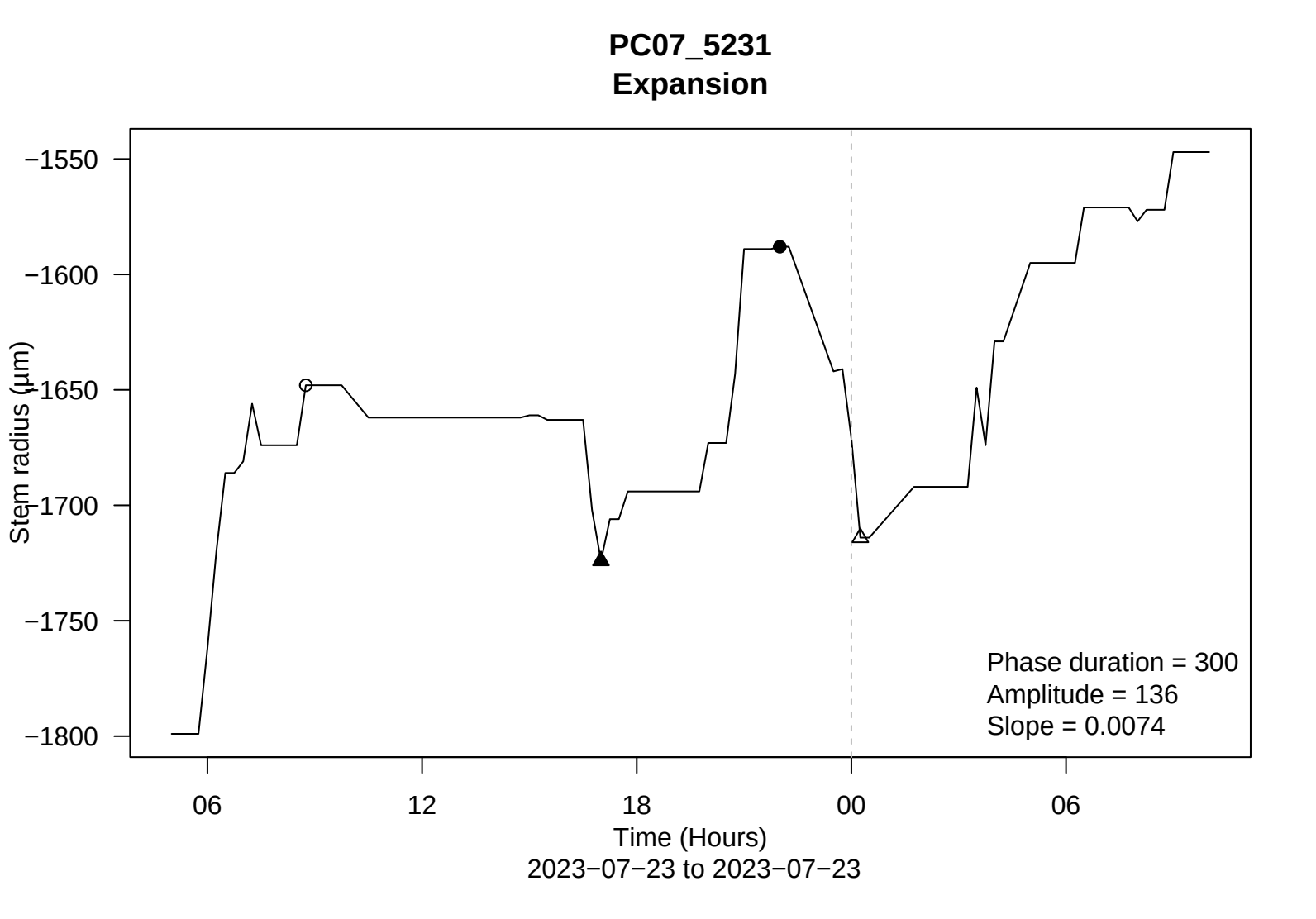

PC07_5231
Expansion
−900
−950
−1000
−1050
−1100
−1150
Stem radius (µm)
Phase duration = 345
Amplitude = 66
Slope = 0.0025
18
00
06
12
18
Time (Hours)
2023−07−19 to 2023−07−19

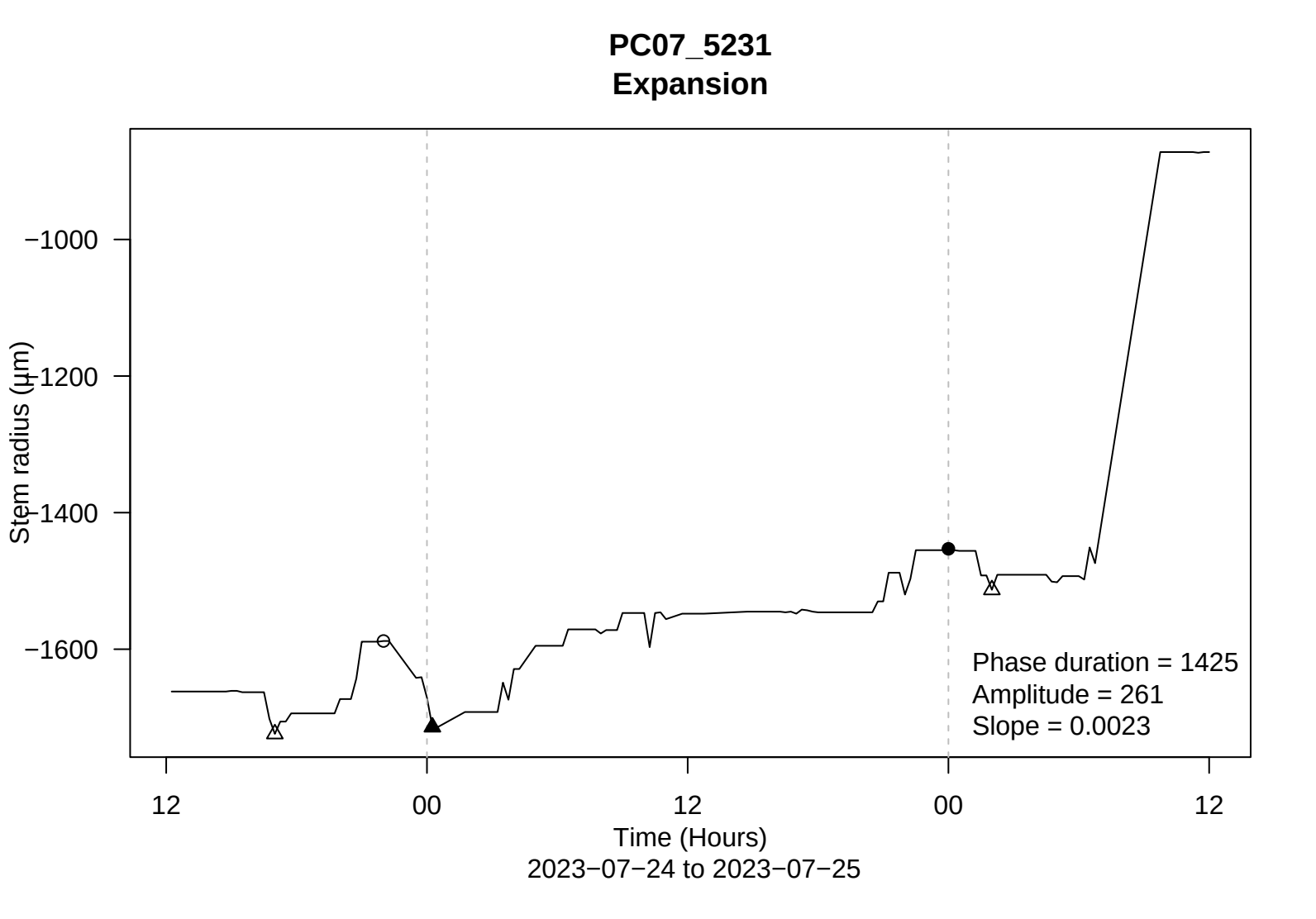

PC07_5231
Shrinkage
−1000
−1050
−1100
−1150
Stem radius (µm)
Phase duration = 1110
Amplitude = −56
Slope = −8e−04
00
12
00
12
Time (Hours)
2023−07−19 to 2023−07−20

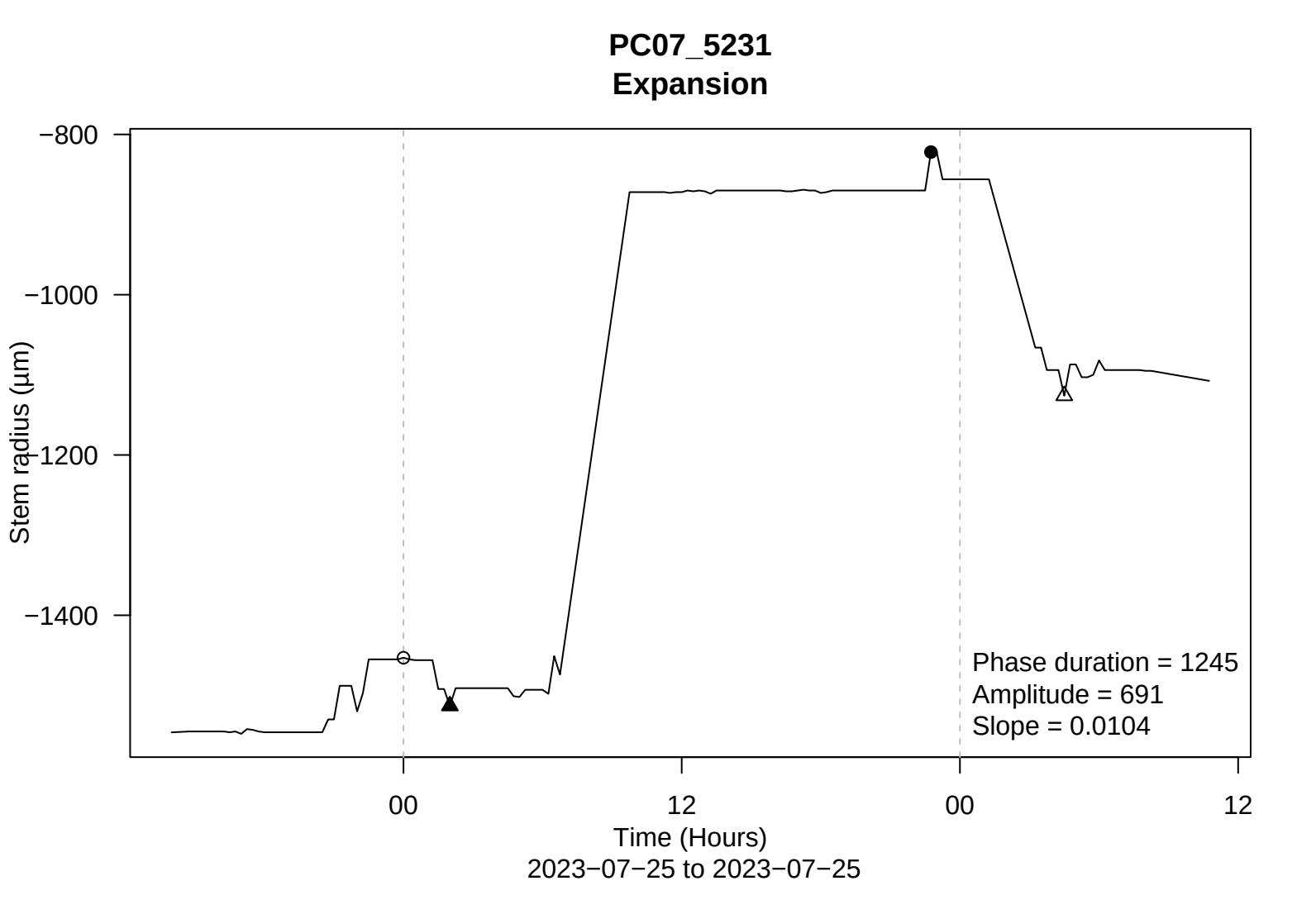

PC07_5231
Expansion
−1000
−1050
−1100
−1150
−1200
−1250
Stem radius (µm)
Phase duration = 750
Amplitude = 195
Slope = 0.0043
00
12
00
Time (Hours)
2023−07−20 to 2023−07−20

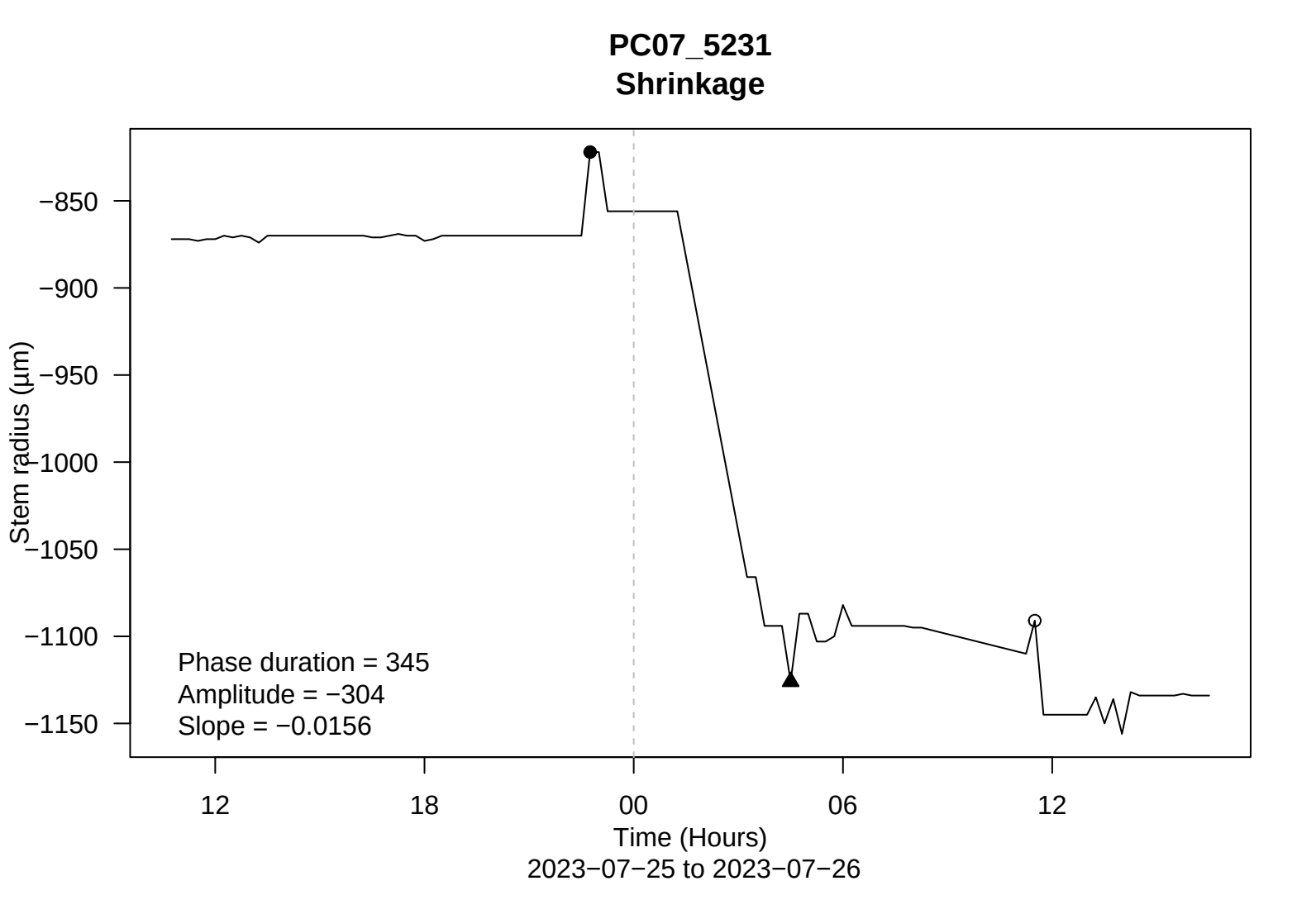

PC07_5231
Expansion
−1650
−1700
−1750
−1800
−1850
Stem radius (µm)
12
00
12
Time (Hours)
2023−07−22 to 2023−07−23
Phase duration = 870
Amplitude = 179
Slope = 0.0021

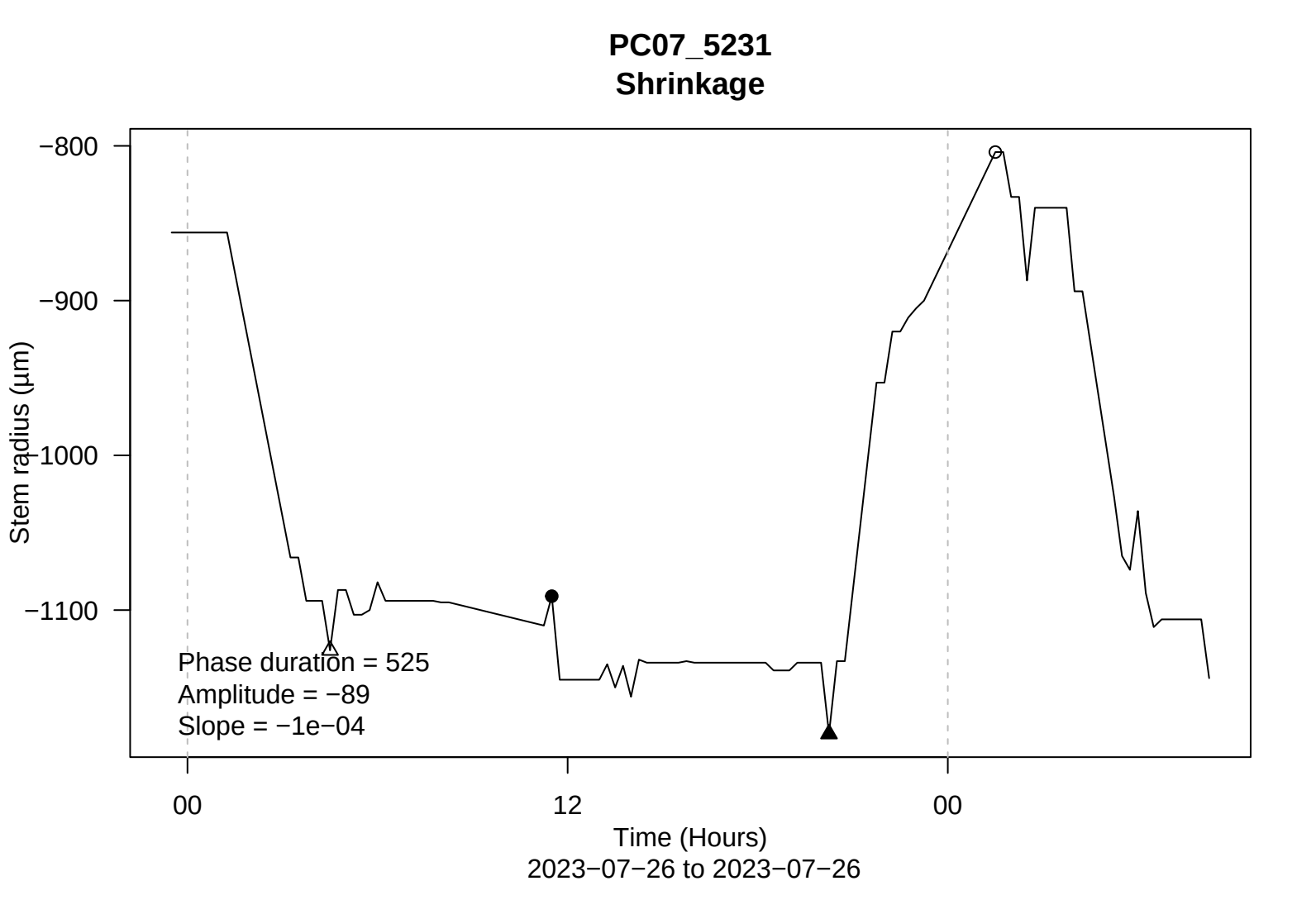

PC07_5231
Shrinkage
−1600
−1650
−1700
−1750
−1800
Stem radius (µm)
Phase duration = 495
Amplitude = −76
Slope = −0.001
00
12
00
Time (Hours)
2023−07−23 to 2023−07−23

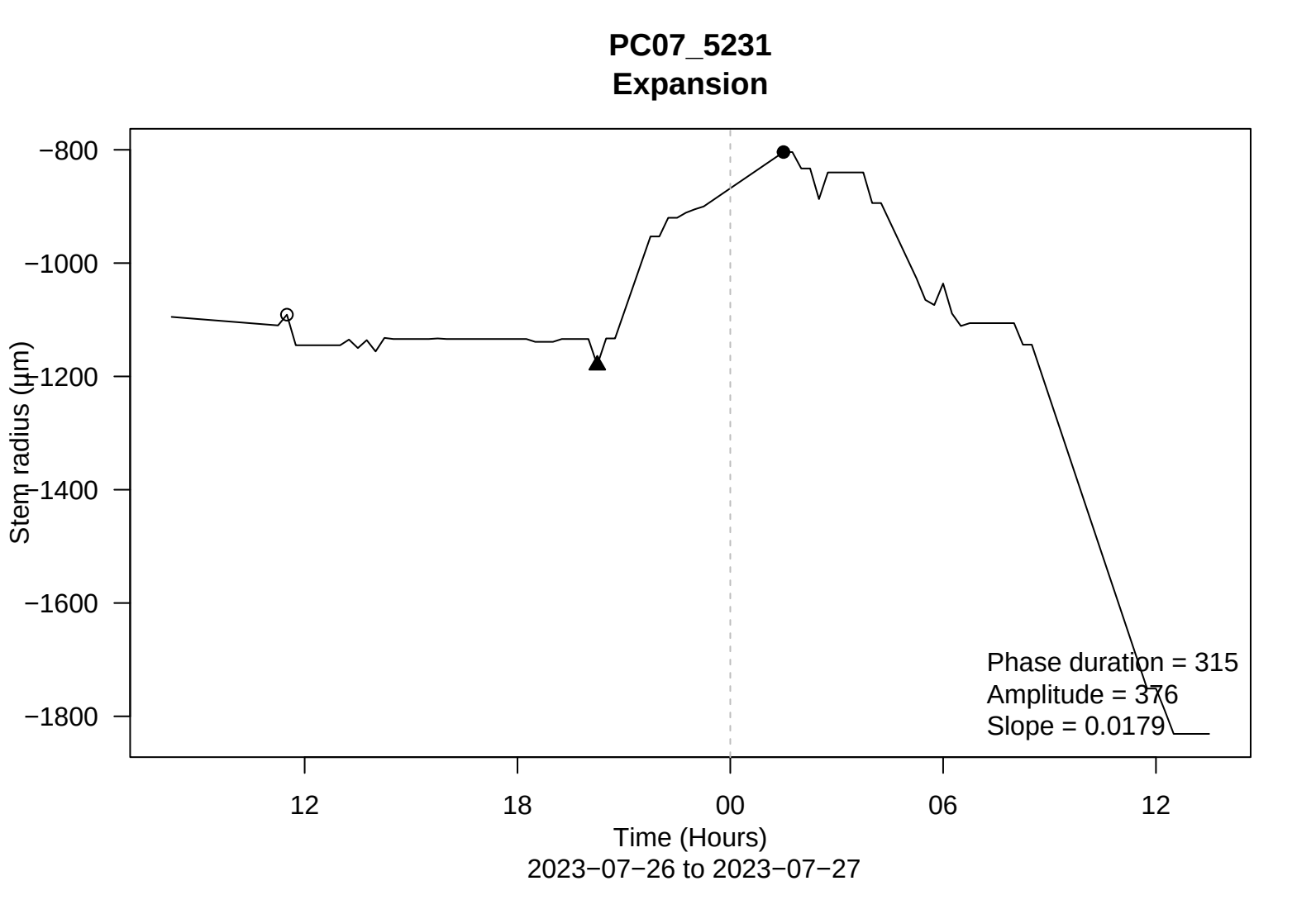

PC07_5231
Expansion
−1550
−1600
−1650
−1700
−1750
−1800
Stem radius (µm)
Phase duration = 300
Amplitude = 136
Slope = 0.0074
06
12
18
00
06
Time (Hours)
2023−07−23 to 2023−07−23

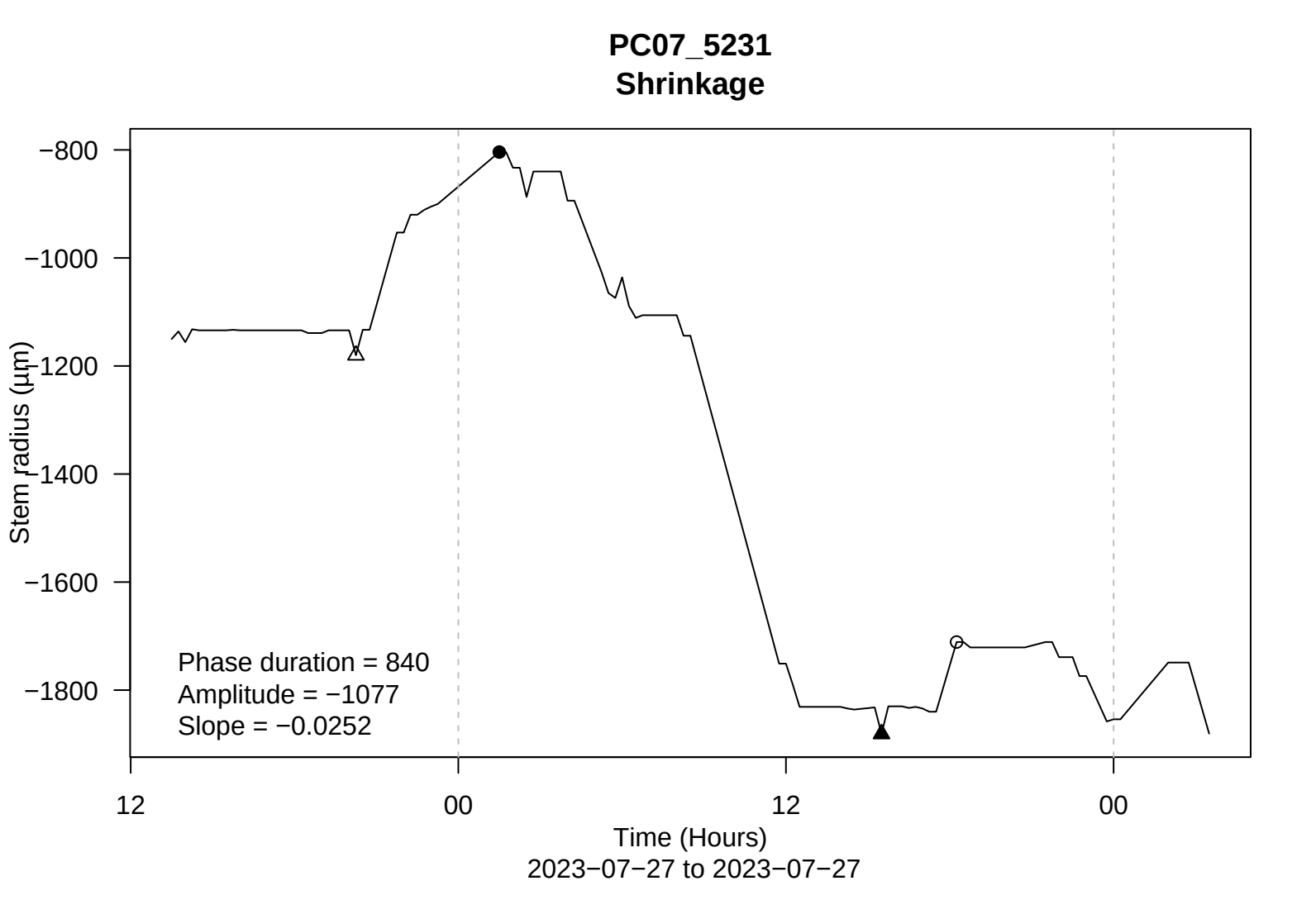

PC07_5231
Expansion
−1000
−1200
−1400
−1600
Stem radius (µm)
Phase duration = 1425
Amplitude = 261
Slope = 0.0023
12
00
12
00
12
Time (Hours)
2023−07−24 to 2023−07−25

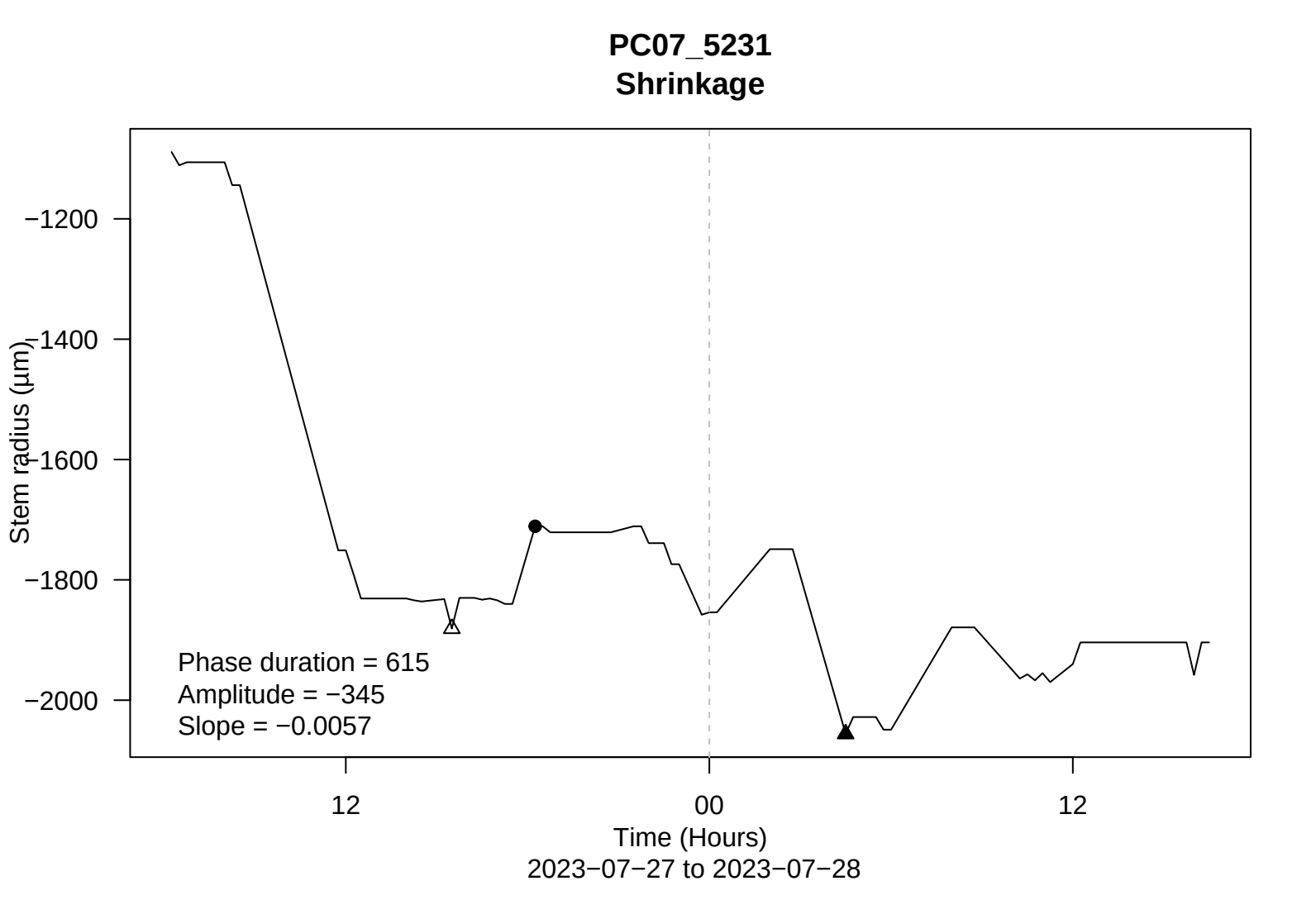

PC07_5231
Expansion
−800
−1000
−1200
−1400
Stem radius (µm)
Phase duration = 1245
Amplitude = 691
Slope = 0.0104
00
12
00
12
Time (Hours)
2023−07−25 to 2023−07−25

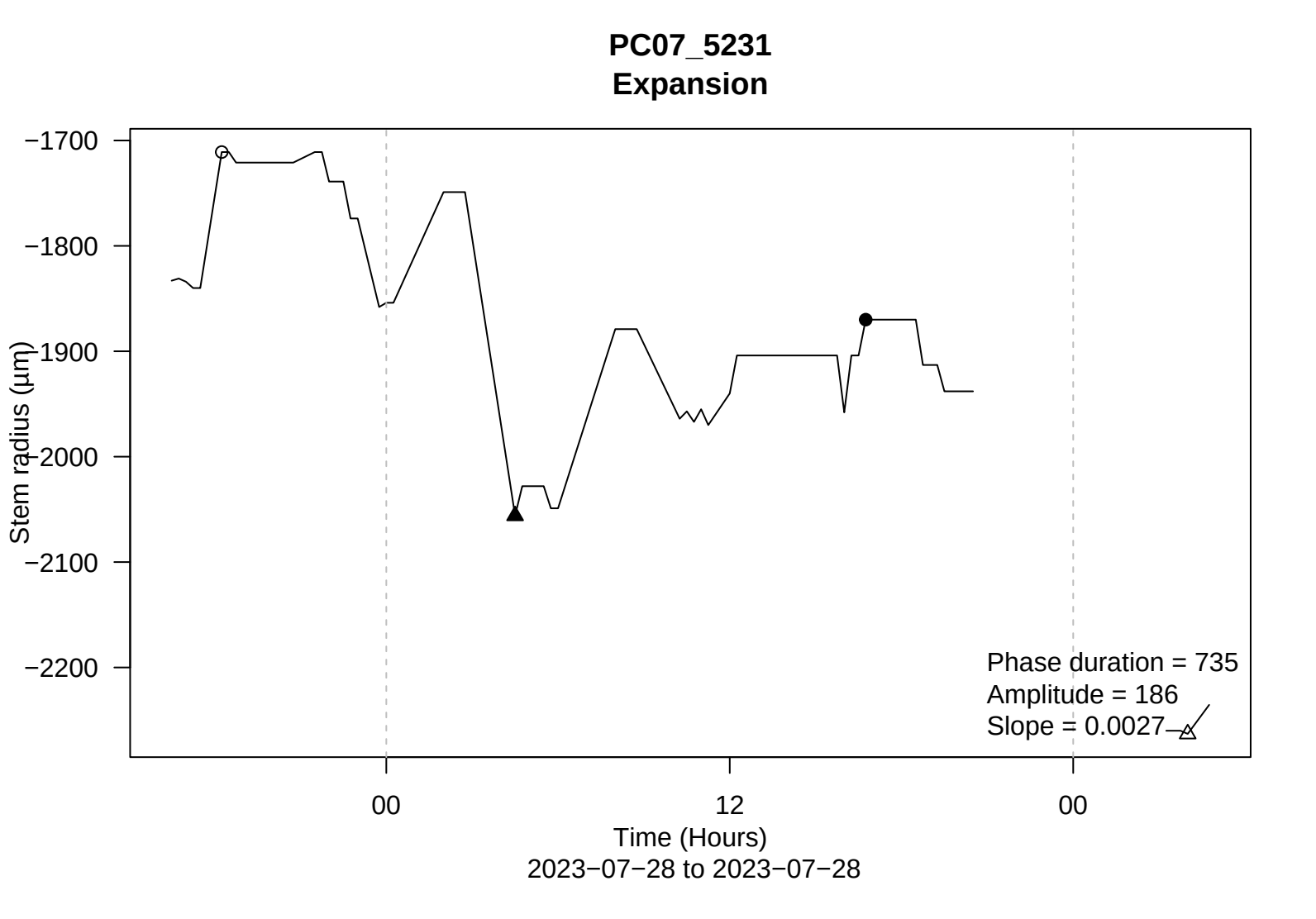

PC07_5231
Shrinkage
−850
−900
−950
−1000
−1050
−1100
−1150
Stem radius (µm)
Phase duration = 345
Amplitude = −304
Slope = −0.0156
12
18
00
06
12
Time (Hours)
2023−07−25 to 2023−07−26

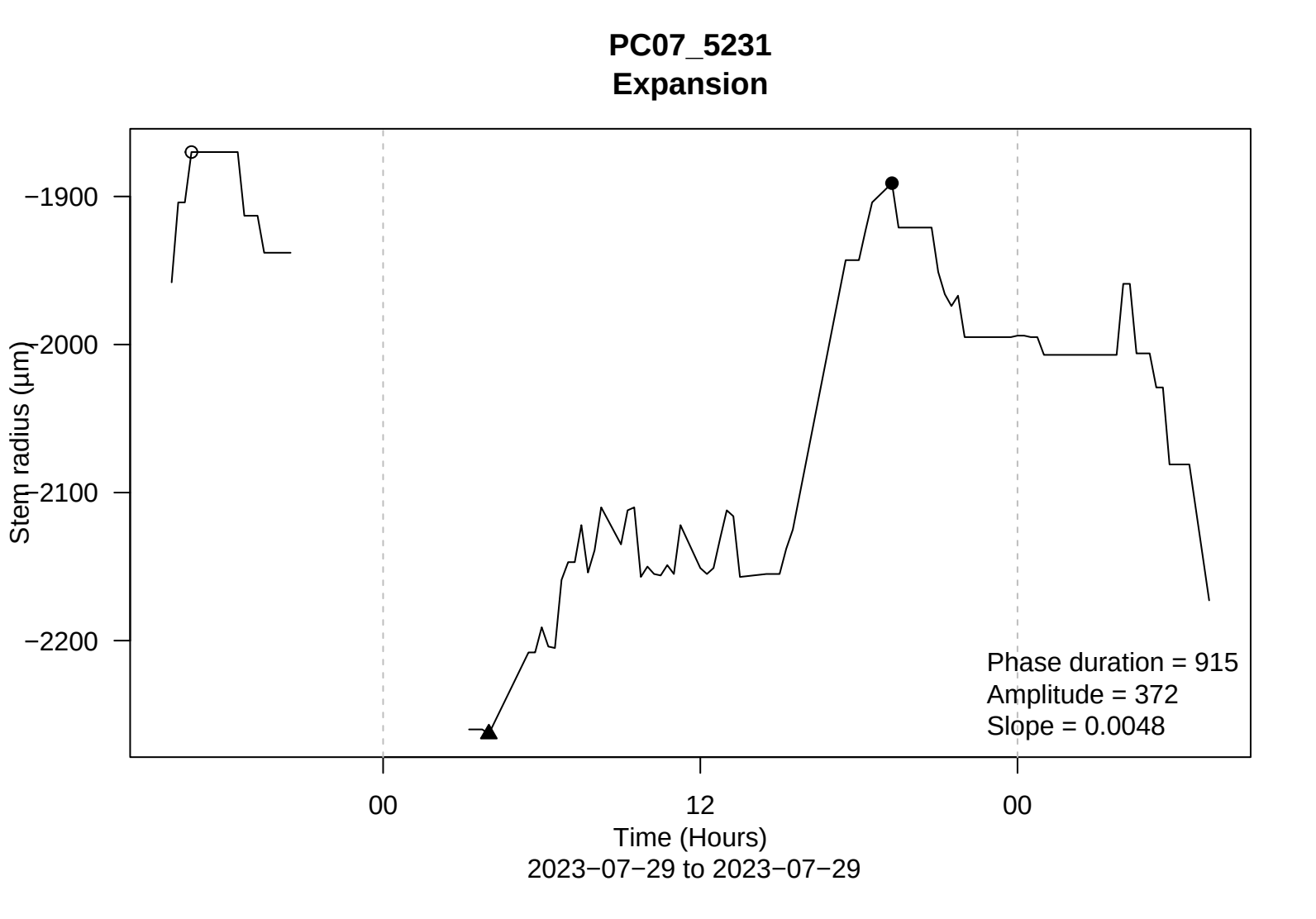

PC07_5231
Shrinkage
−800
−900
−1000
−1100
Stem radius (µm)
Phase duration = 525
Amplitude = −89
Slope = −1e−04
00
12
00
Time (Hours)
2023−07−26 to 2023−07−26

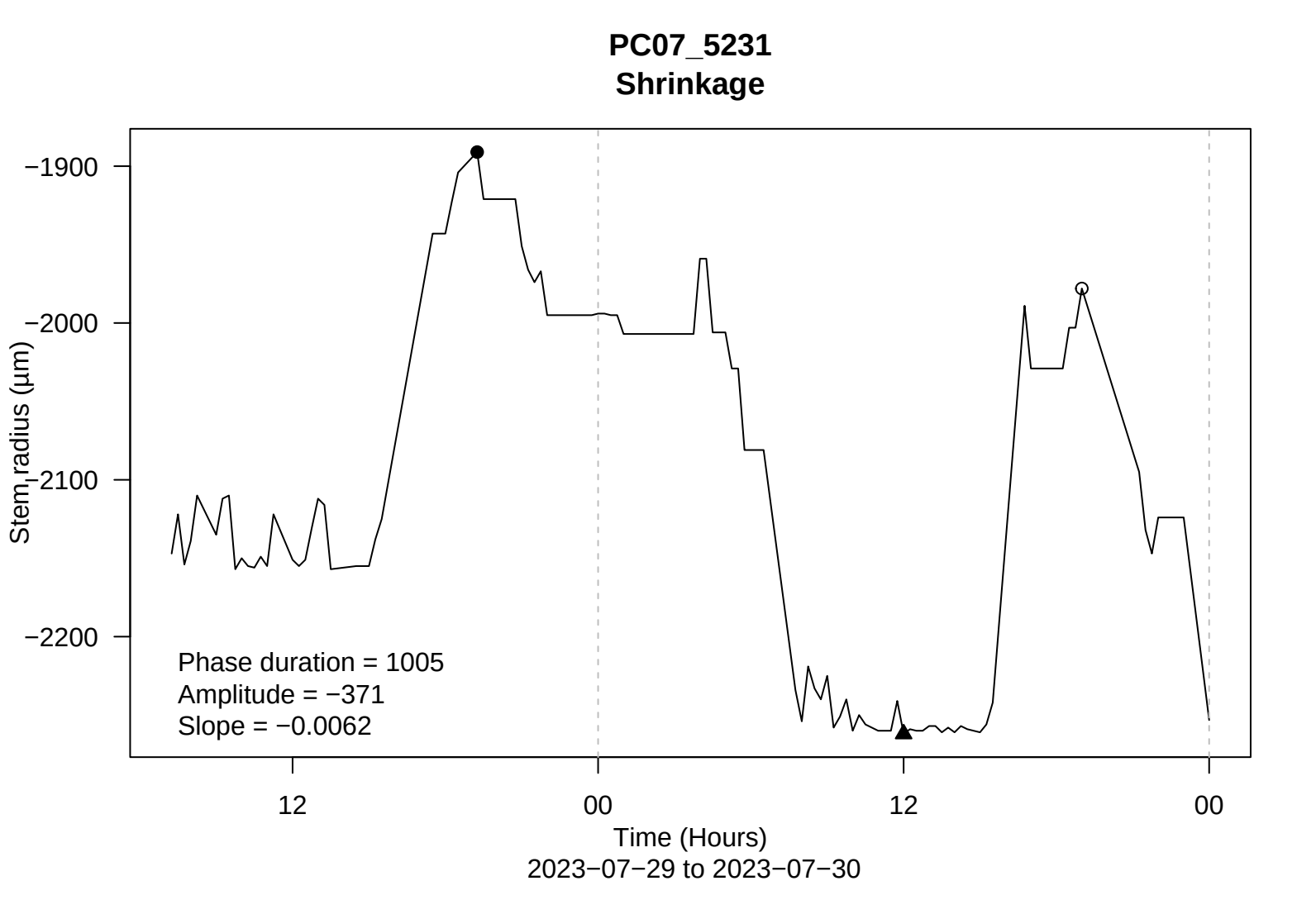

PC07_5231
Expansion
−800
−1000
−1200
−1400
−1600
−1800
Stem radius (µm)
12
18
00
06
12
Time (Hours)
2023−07−26 to 2023−07−27
Phase duration = 315
Amplitude = 376
Slope = 0.0179

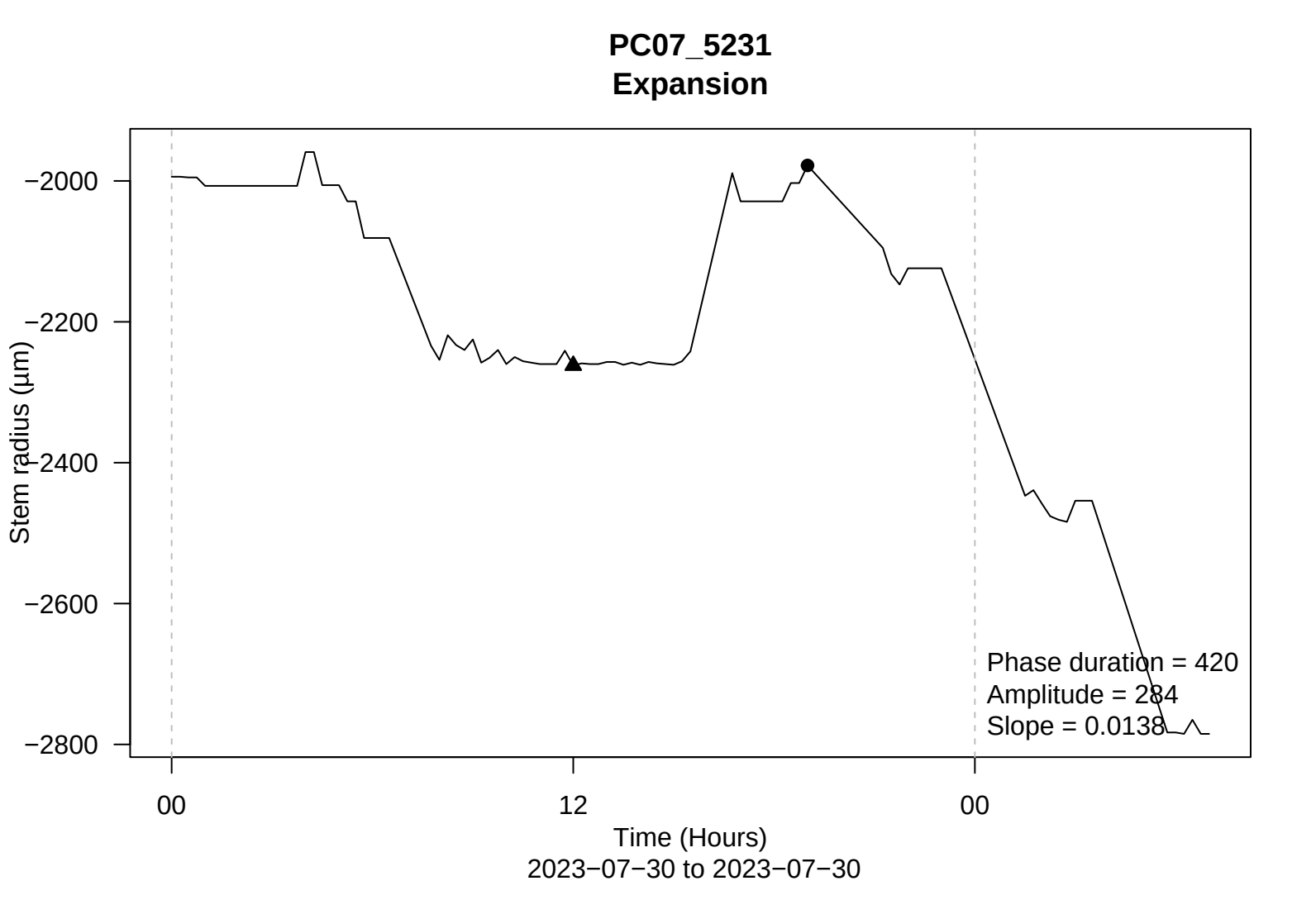

PC07_5231
Shrinkage
−800
−1000
−1200
−1400
−1600
−1800
Stem radius (µm)
Phase duration = 840
Amplitude = −1077
Slope = −0.0252
12
00
12
00
Time (Hours)
2023−07−27 to 2023−07−27

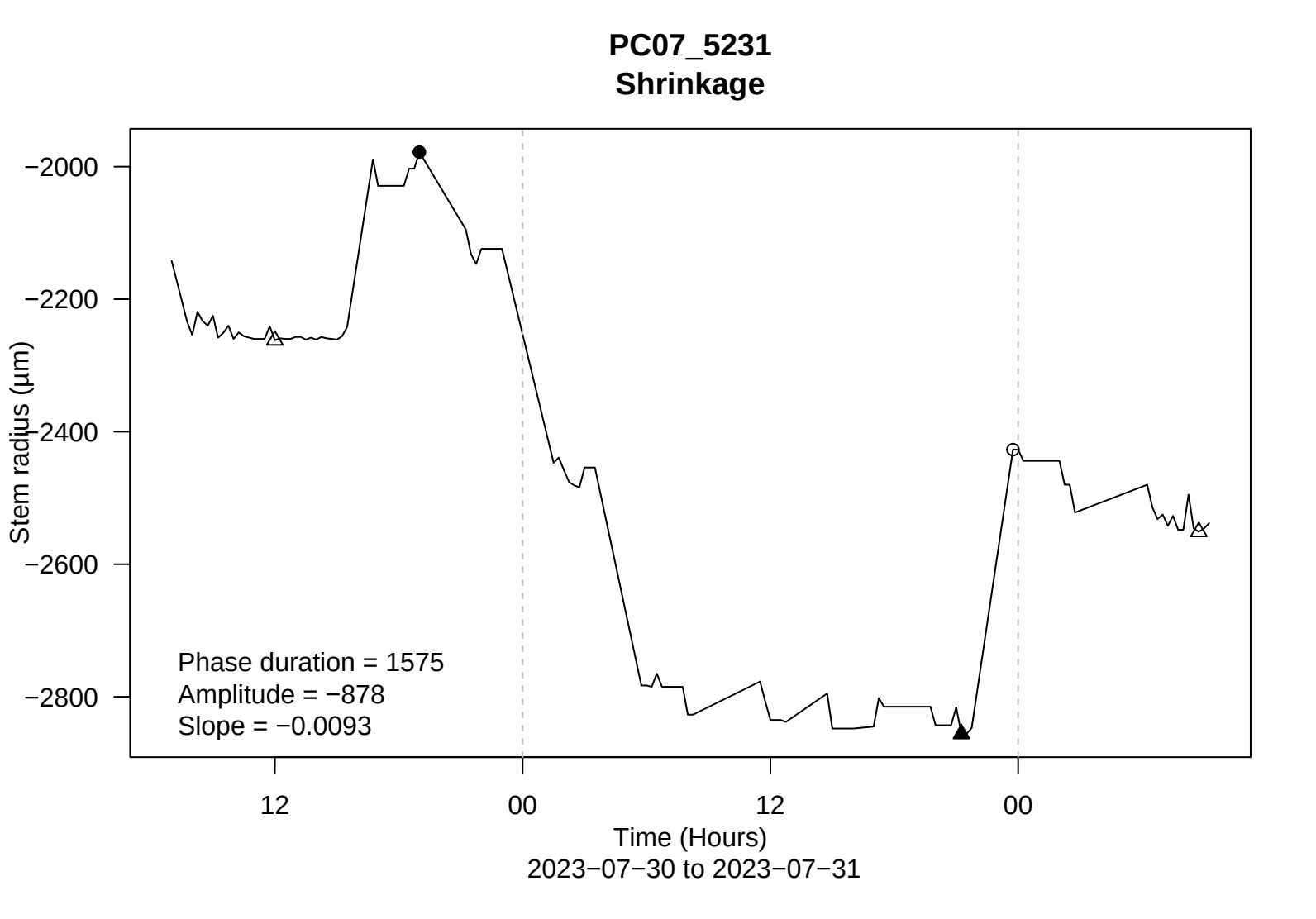

PC07_5231
Shrinkage
−1200
−1400
−1600
−1800
−2000
Stem radius (µm)
Phase duration = 615
Amplitude = −345
Slope = −0.0057
12
00
12
Time (Hours)
2023−07−27 to 2023−07−28

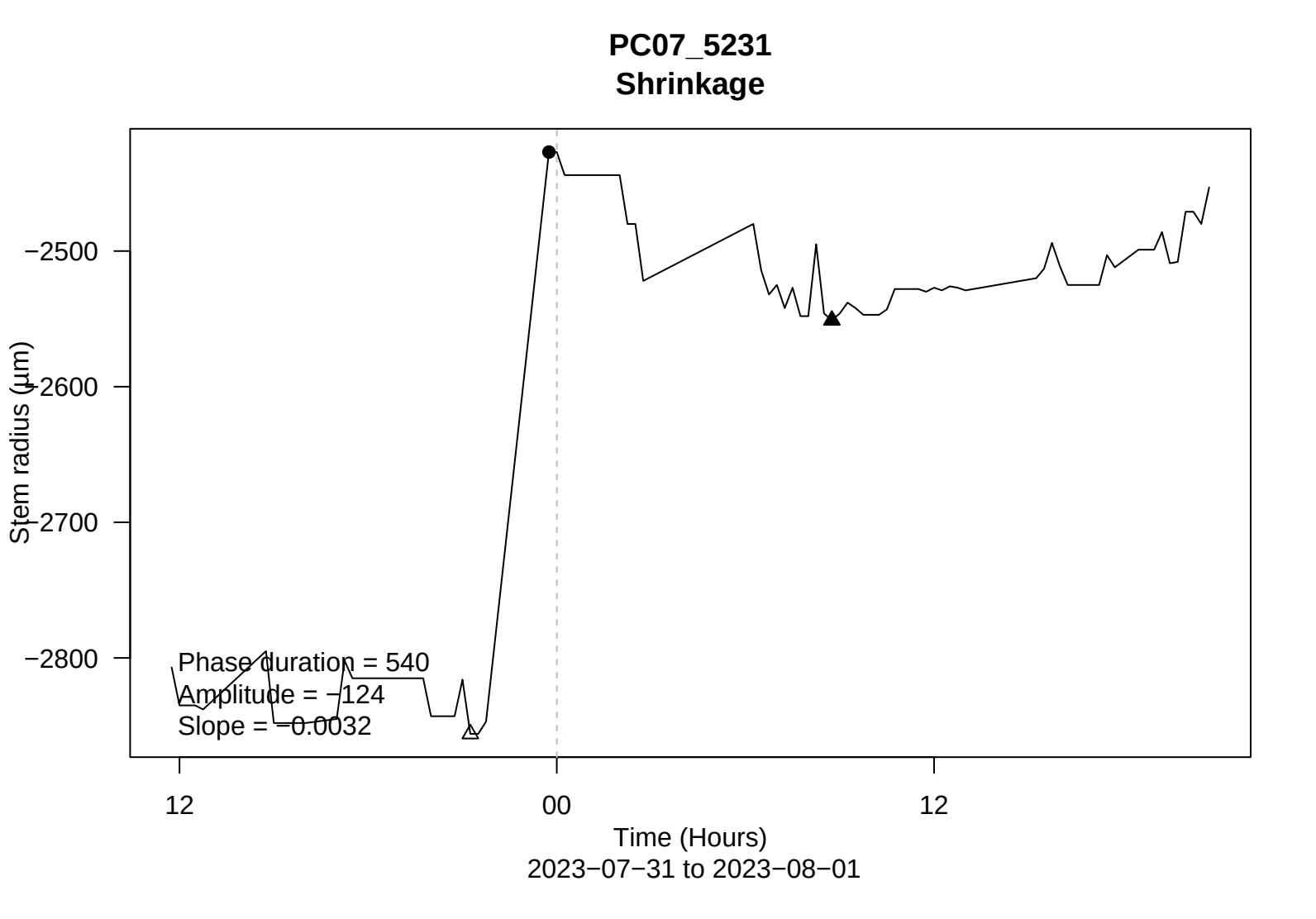

PC07_5231
Expansion
−1700
−1800
−1900
−2000
−2100
−2200
Stem radius (µm)
Phase duration = 735
Amplitude = 186
Slope = 0.0027
00
12
00
Time (Hours)
2023−07−28 to 2023−07−28

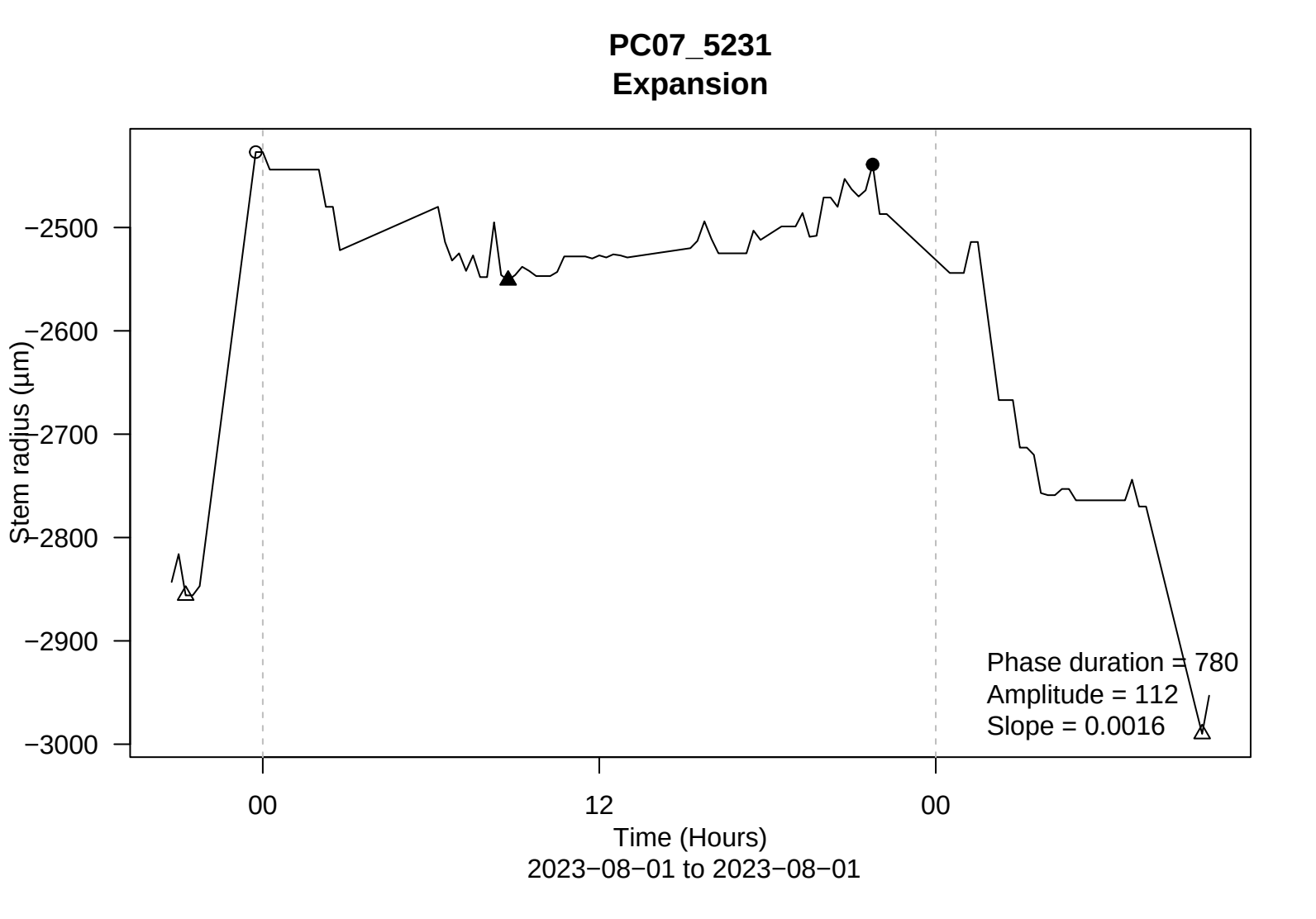

PC07_5231
Expansion
−1900
−2000
−2100
−2200
Stem radius (µm)
Phase duration = 915
Amplitude = 372
Slope = 0.0048
00
12
00
Time (Hours)
2023−07−29 to 2023−07−29

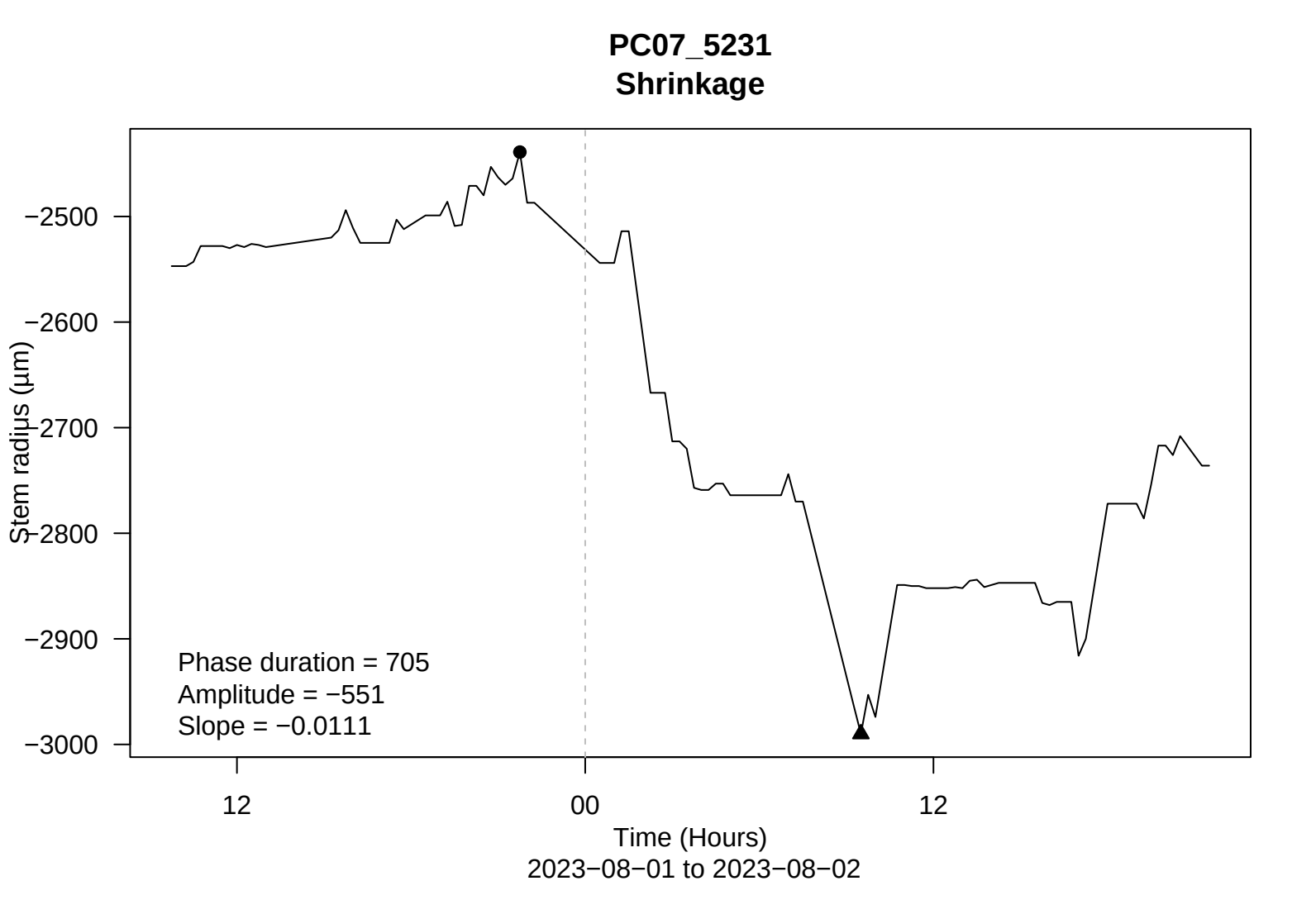

PC07_5231
Shrinkage
−1900
−2000
−2100
−2200
Stem radius (µm)
Phase duration = 1005
Amplitude = −371
Slope = −0.0062
12
00
12
00
Time (Hours)
2023−07−29 to 2023−07−30

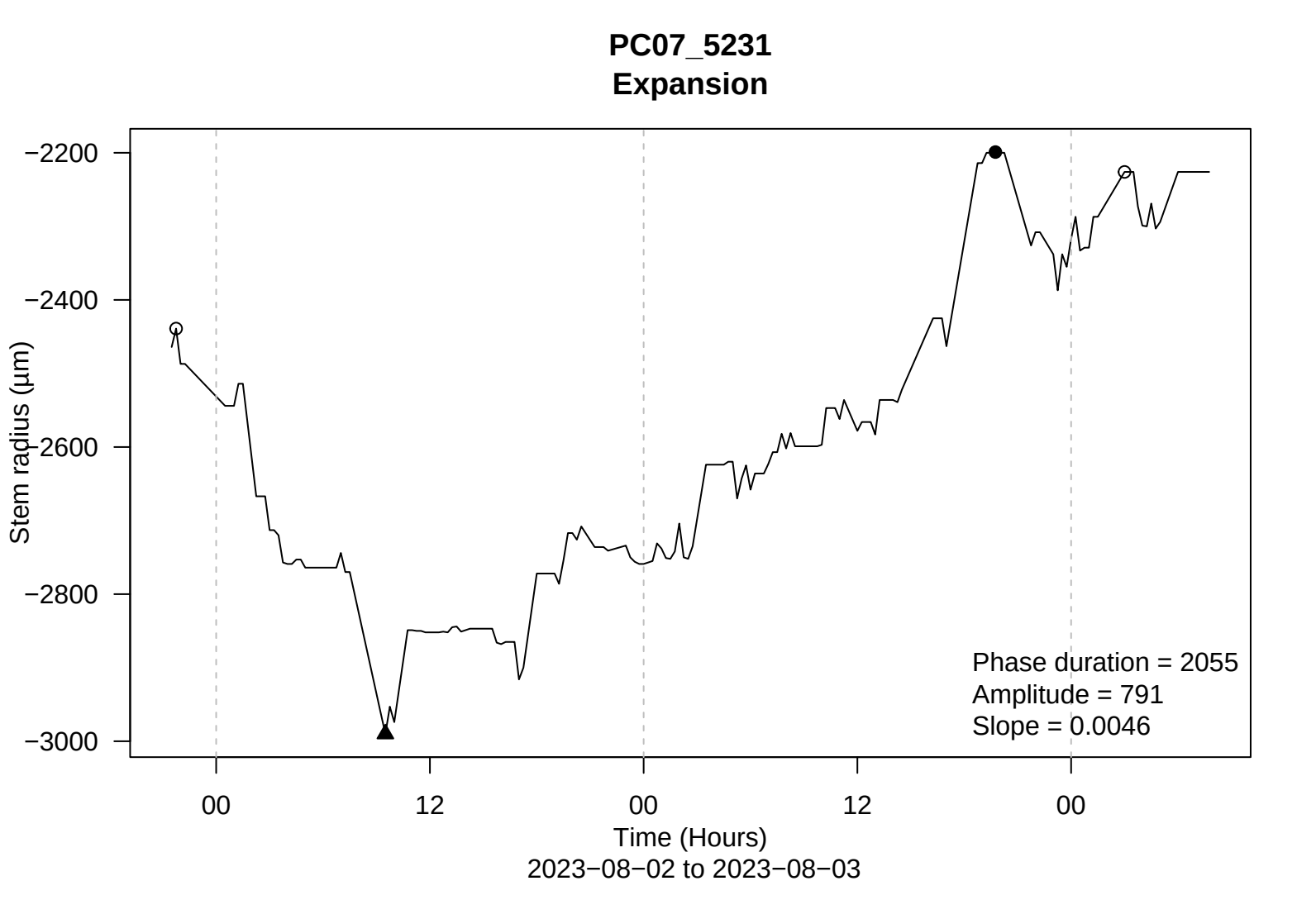

PC07_5231
Expansion
−2000
−2200
−2400
−2600
−2800
Stem radius (µm)
Phase duration = 420
Amplitude = 284
Slope = 0.0138
00
12
00
Time (Hours)
2023−07−30 to 2023−07−30

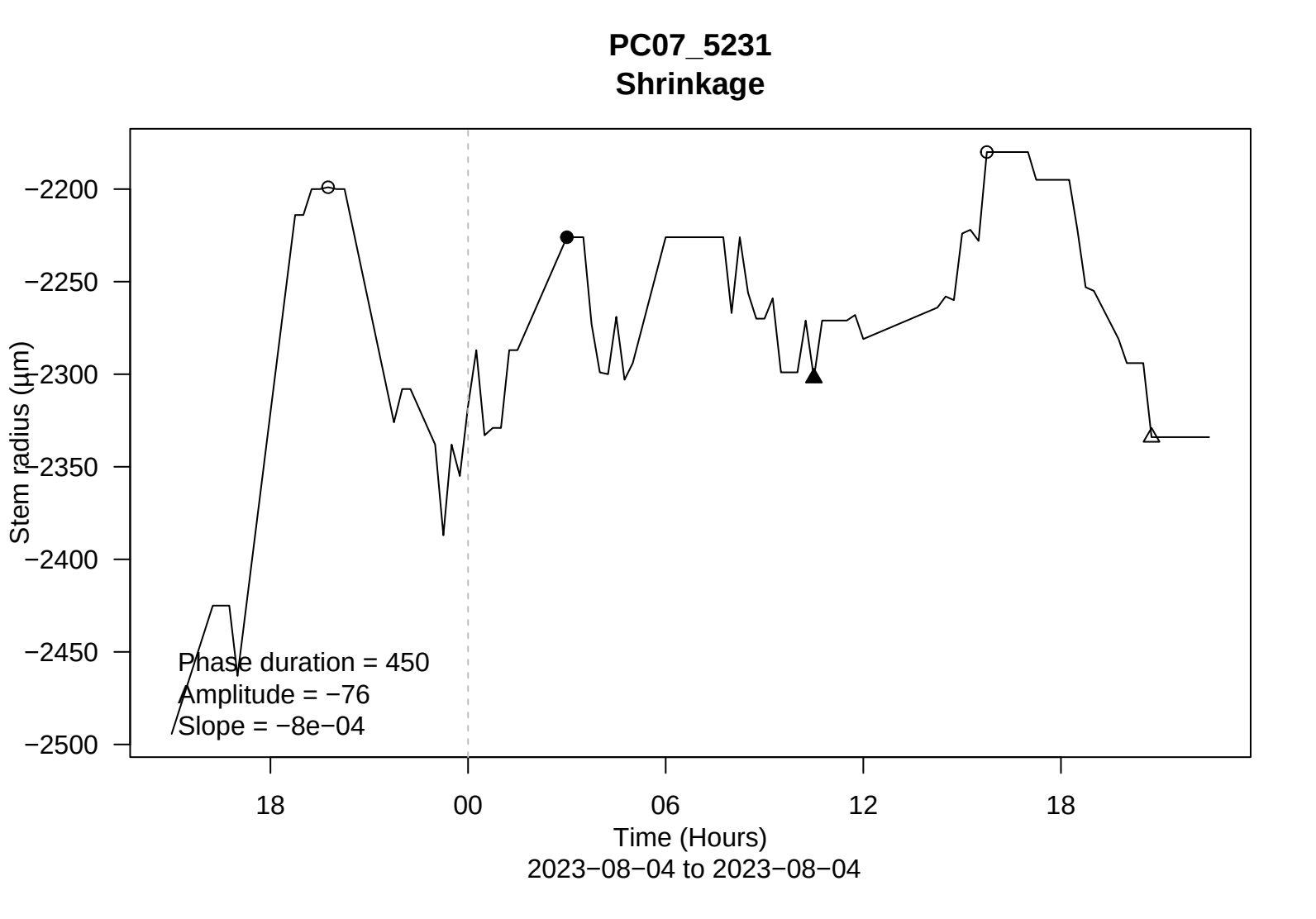

PC07_5231
Shrinkage
−2000
−2200
−2400
−2600
−2800
Stem radius (µm)
Phase duration = 1575
Amplitude = −878
Slope = −0.0093
12
00
12
00
Time (Hours)
2023−07−30 to 2023−07−31

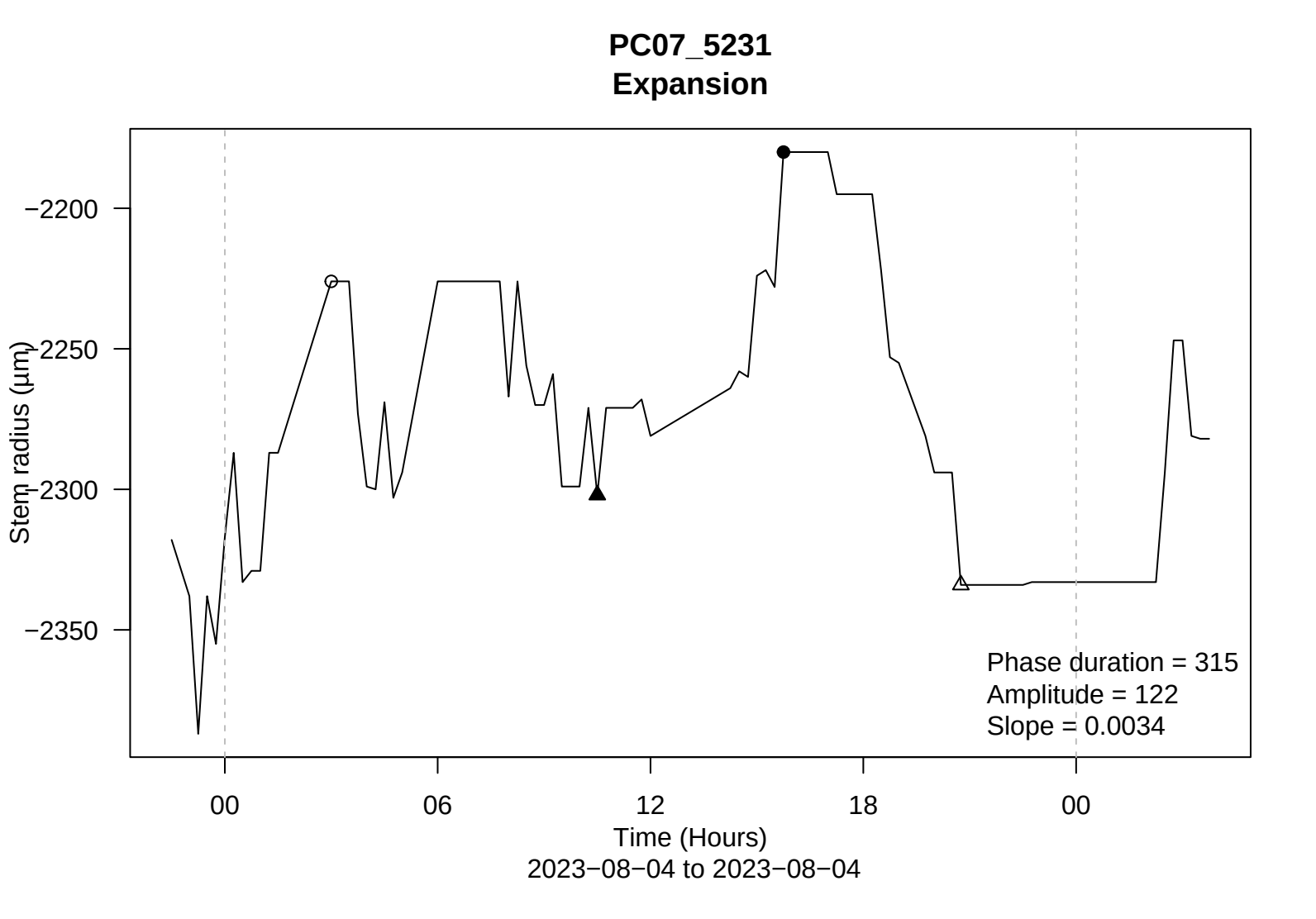

PC07_5231
Shrinkage
−2500
−2600
−2700
−2800
Stem radius (µm)
Phase duration = 540
Amplitude = −124
Slope = −0.0032
12
00
12
Time (Hours)
2023−07−31 to 2023−08−01

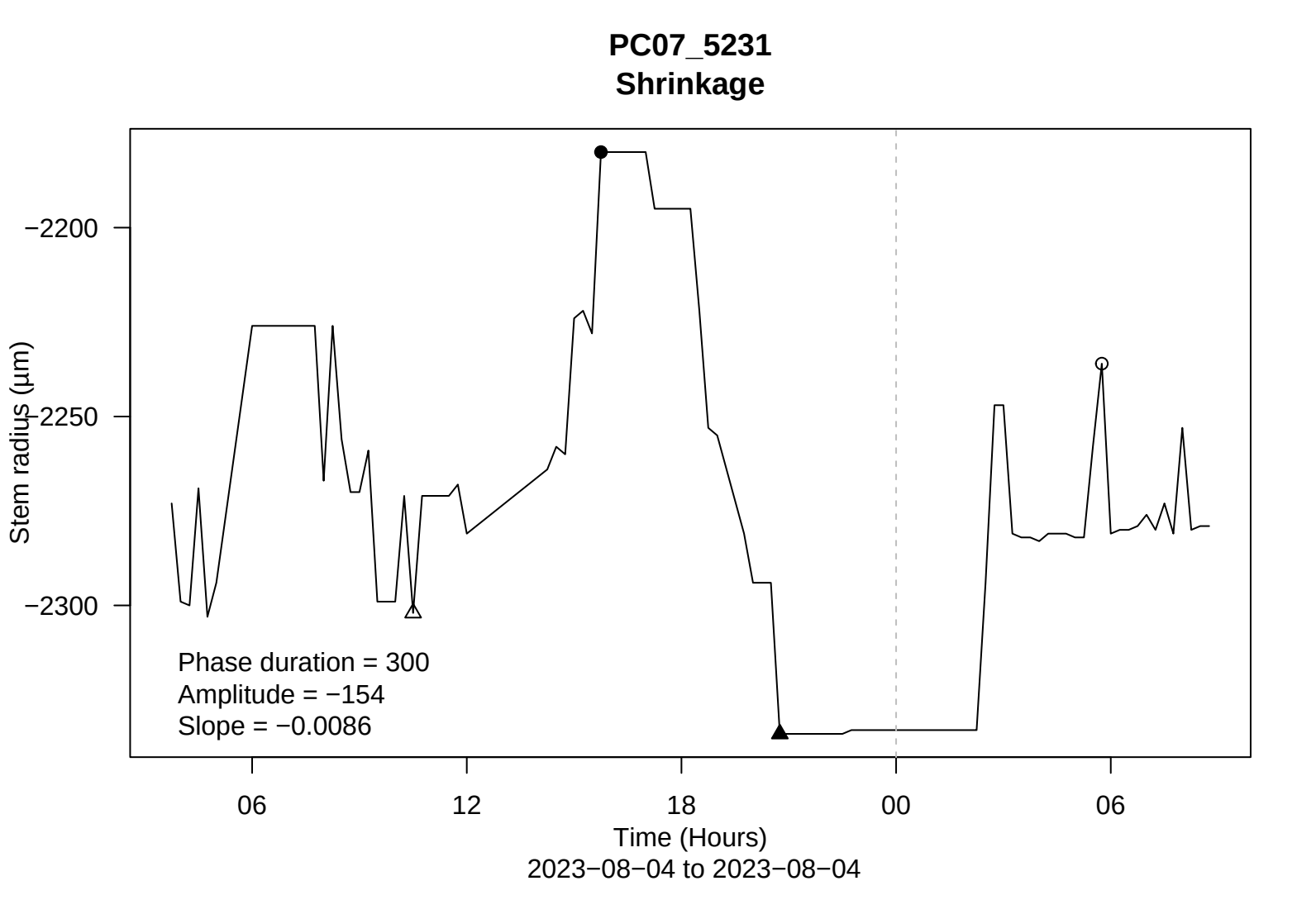

PC07_5231
Expansion
−2500
−2600
−2700
−2800
−2900
−3000
Stem radius (µm)
Phase duration = 780
Amplitude = 112
Slope = 0.0016
00
12
00
Time (Hours)
2023−08−01 to 2023−08−01

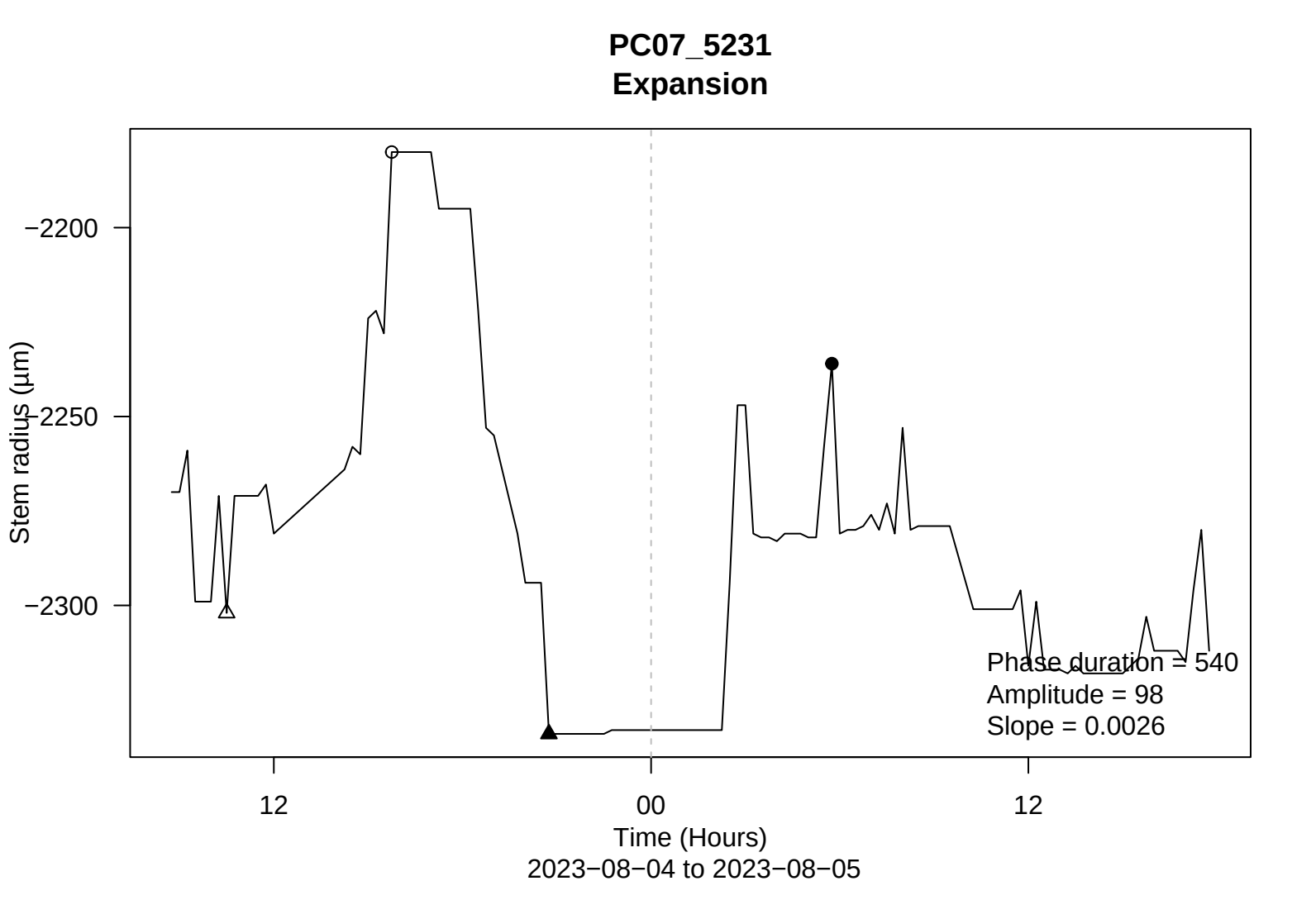

PC07_5231
Shrinkage
−2500
−2600
−2700
−2800
−2900
−3000
Stem radius (µm)
Phase duration = 705
Amplitude = −551
Slope = −0.0111
12
00
12
Time (Hours)
2023−08−01 to 2023−08−02

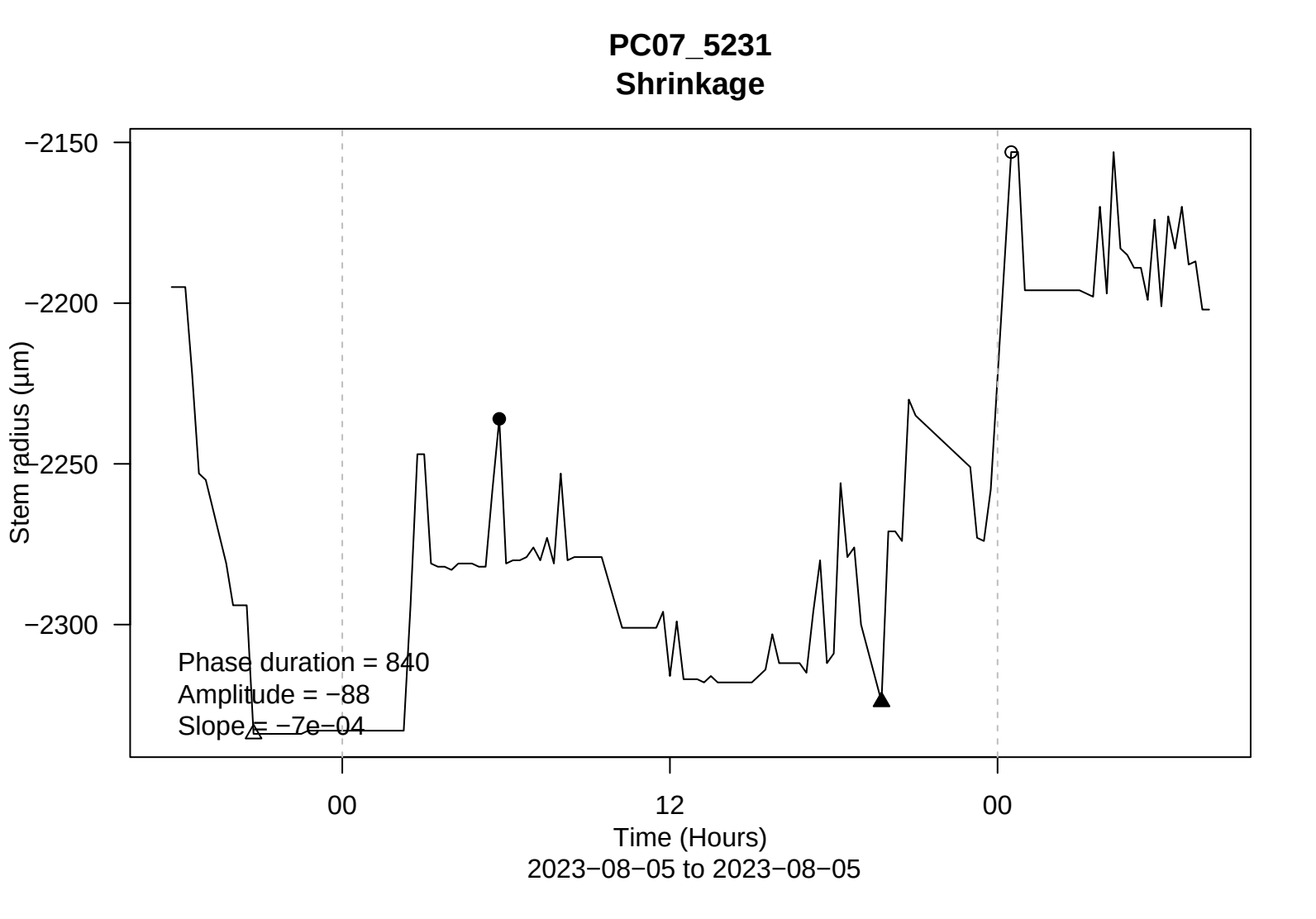

PC07_5231
Expansion
−2200
−2400
−2600
−2800
−3000
Stem radius (µm)
Phase duration = 2055
Amplitude = 791
Slope = 0.0046
00
12
00
12
00
Time (Hours)
2023−08−02 to 2023−08−03

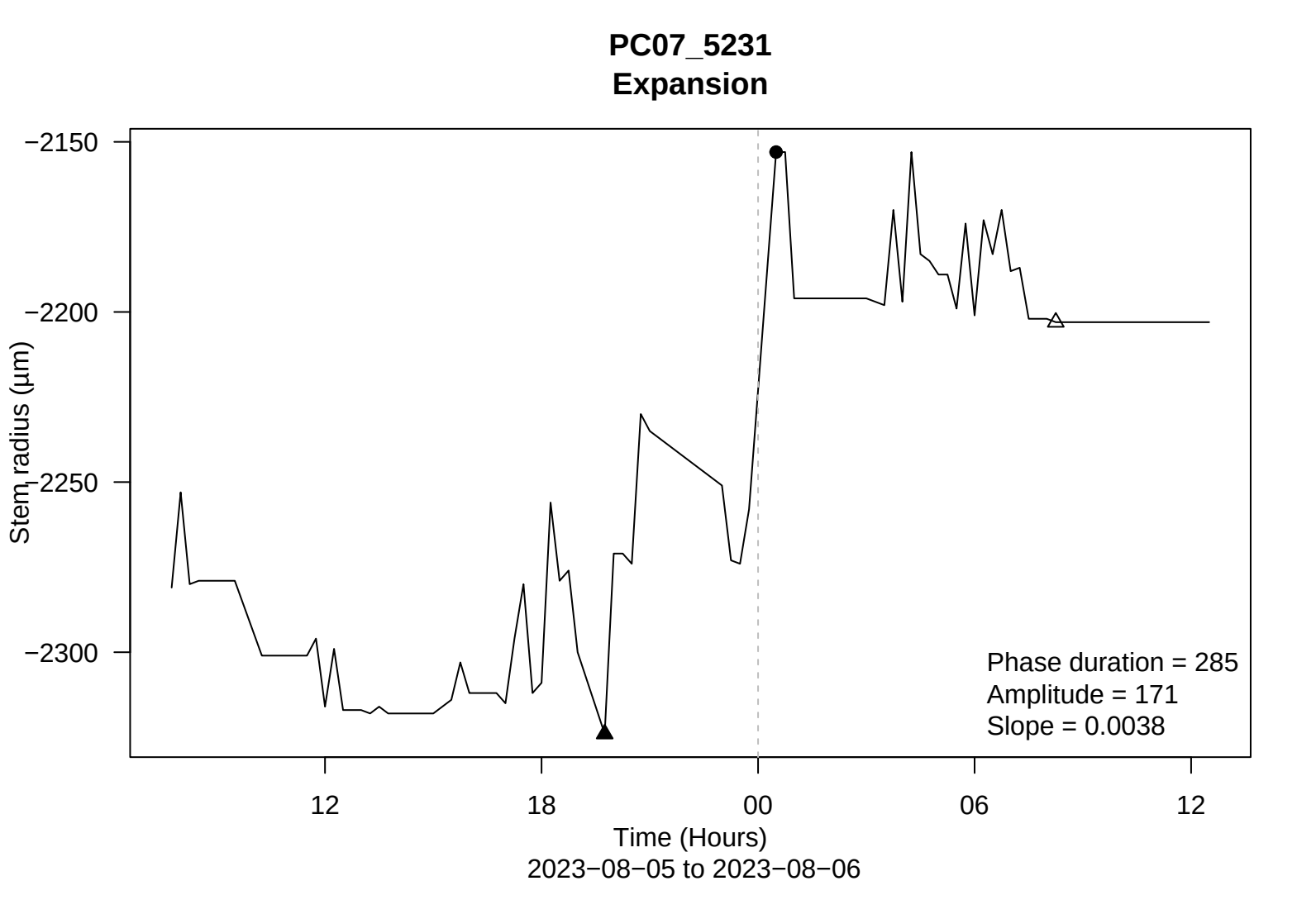

PC07_5231
Shrinkage
Stem radius (µm)
−2200
−2250
−2300
−2350
−2400
−2450
−2500
Phase duration = 450
Amplitude = −76
Slope = −8e−04
18
00
06
12
18
Time (Hours)
2023−08−04 to 2023−08−04

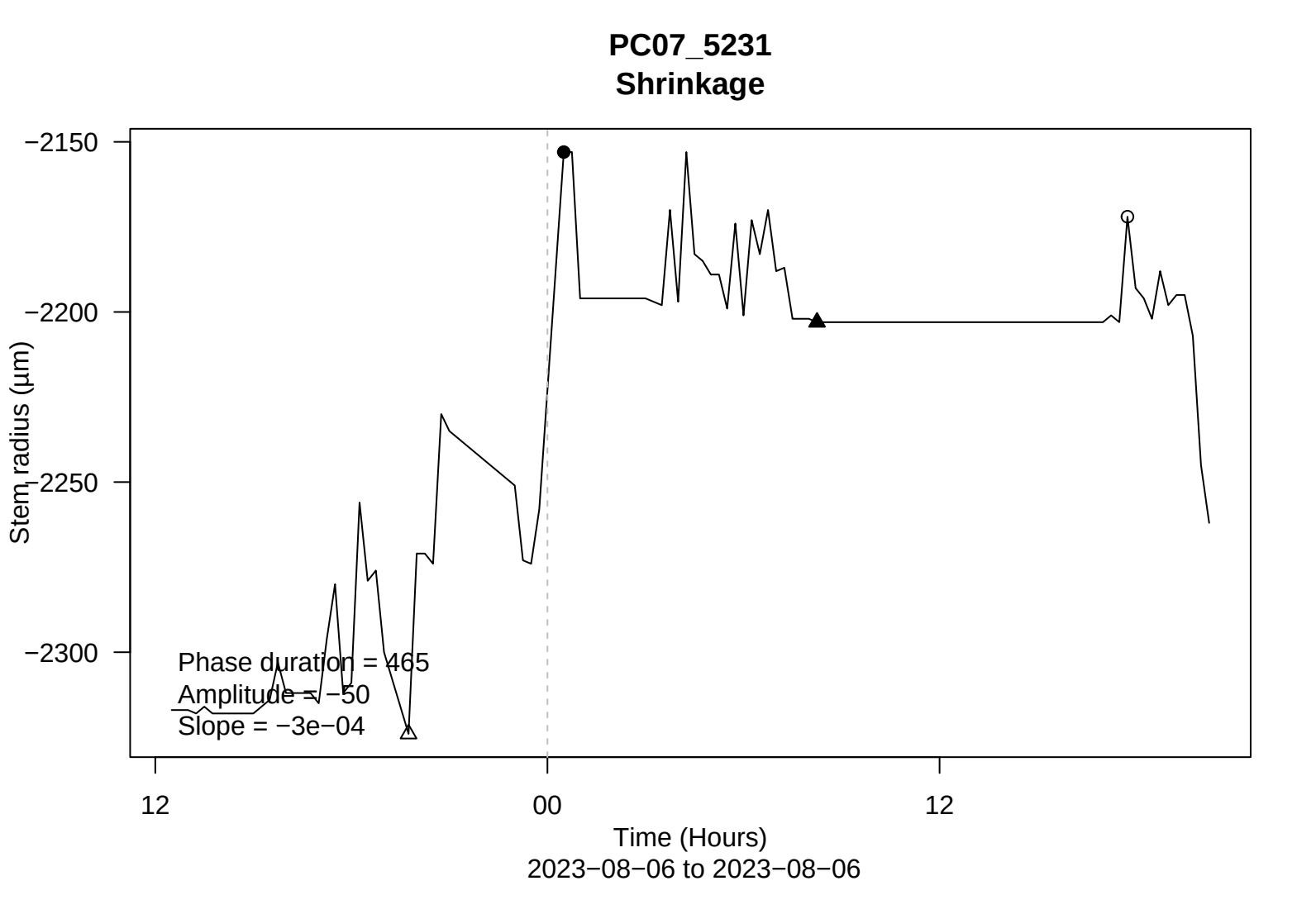

PC07_5231
Expansion
−2200
−2250
−2300
−2350
Stem radius (µm)
Phase duration = 315
Amplitude = 122
Slope = 0.0034
00
06
12
18
00
Time (Hours)
2023−08−04 to 2023−08−04

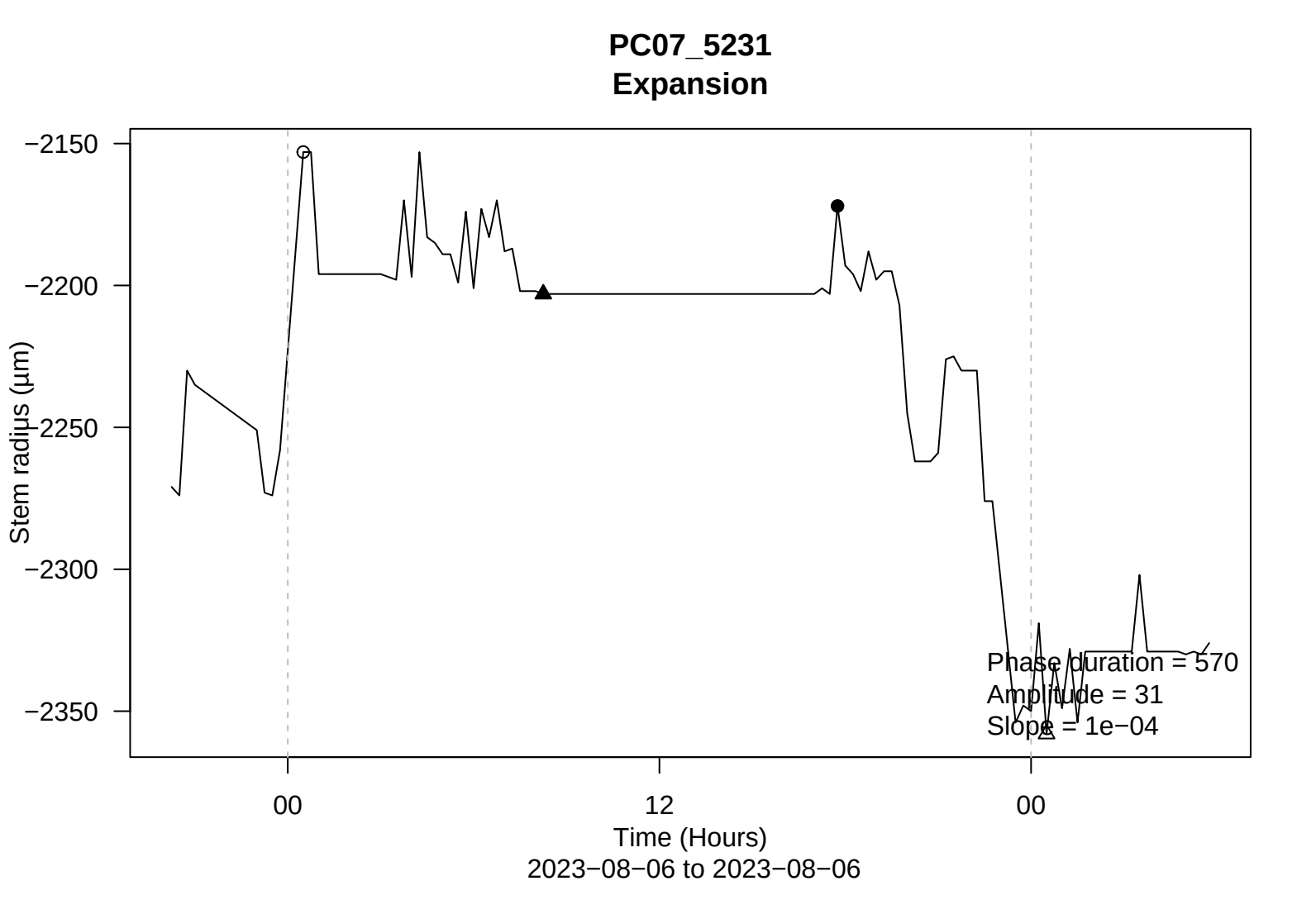

PC07_5231
Shrinkage
−2200
−2250
−2300
Stem radius (µm)
Phase duration = 300
Amplitude = −154
Slope = −0.0086
06
12
18
00
06
Time (Hours)
2023−08−04 to 2023−08−04

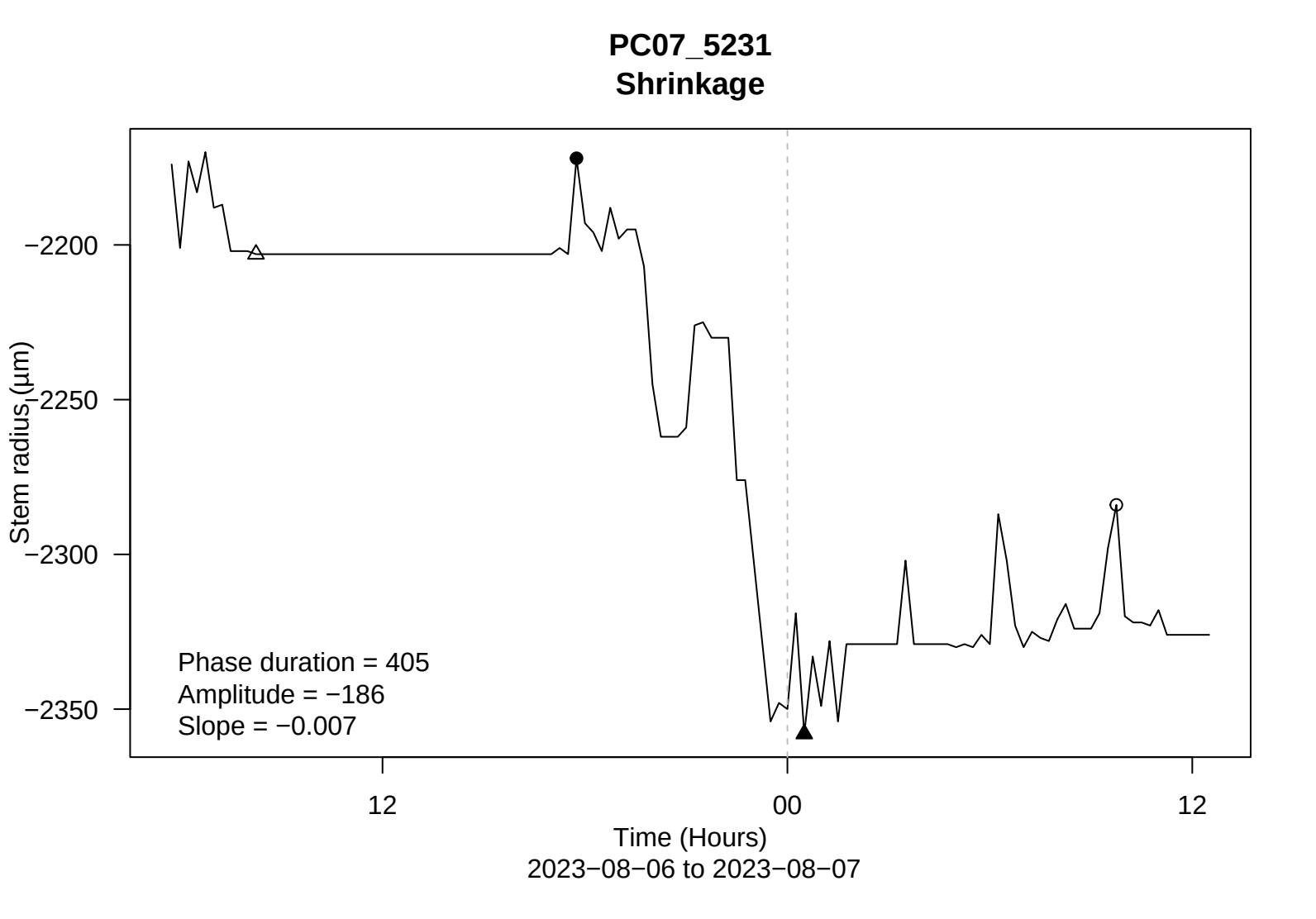

PC07_5231
Expansion
−2200
−2250
−2300
Stem radius (µm)
Phase duration = 540
Amplitude = 98
Slope = 0.0026
12
00
12
Time (Hours)
2023−08−04 to 2023−08−05

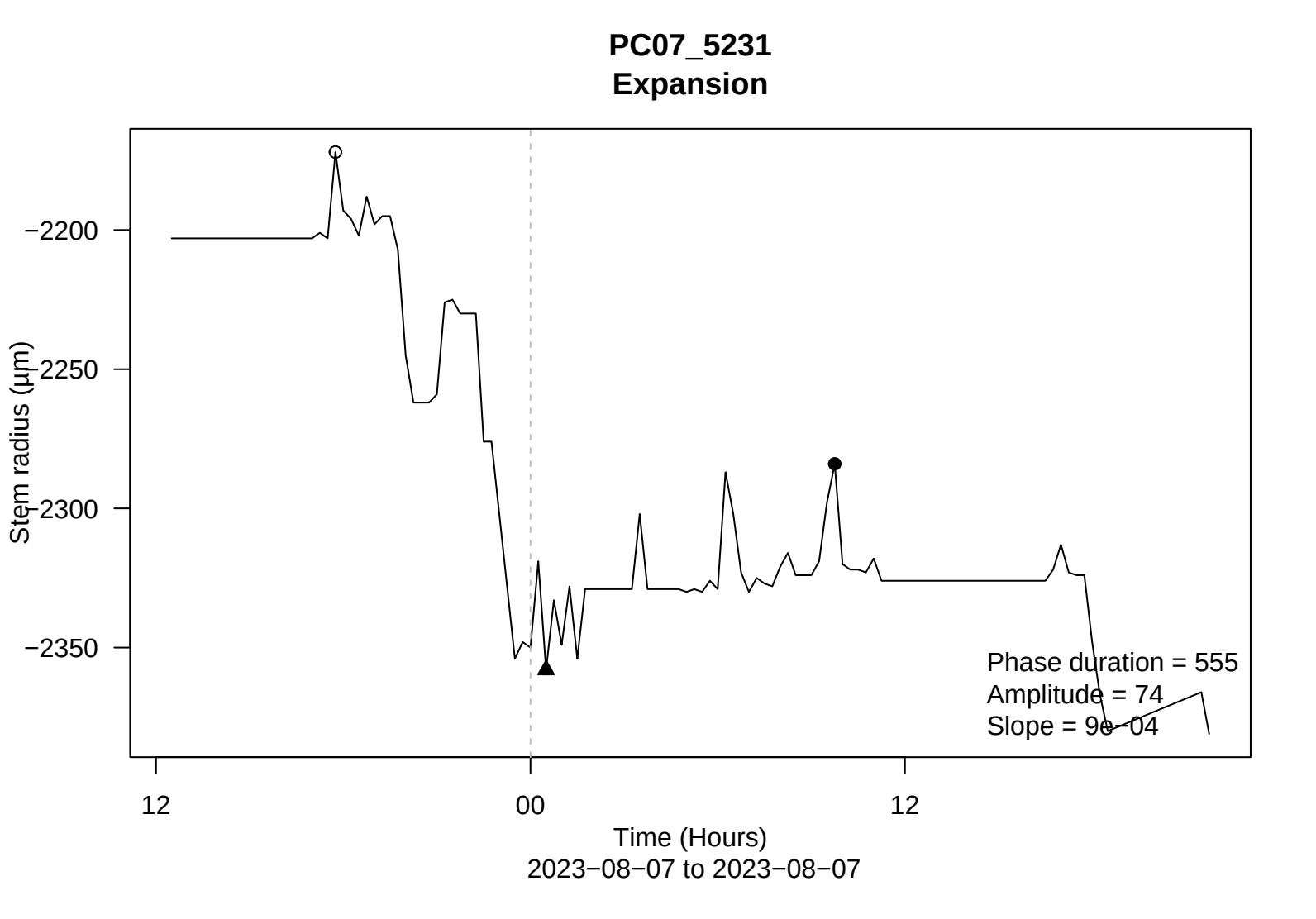

PC07_5231
Shrinkage
−2150
−2200
−2250
−2300
Stem radius (µm)
Phase duration = 840
Amplitude = −88
Slope = −7e−04
00
12
00
Time (Hours)
2023−08−05 to 2023−08−05

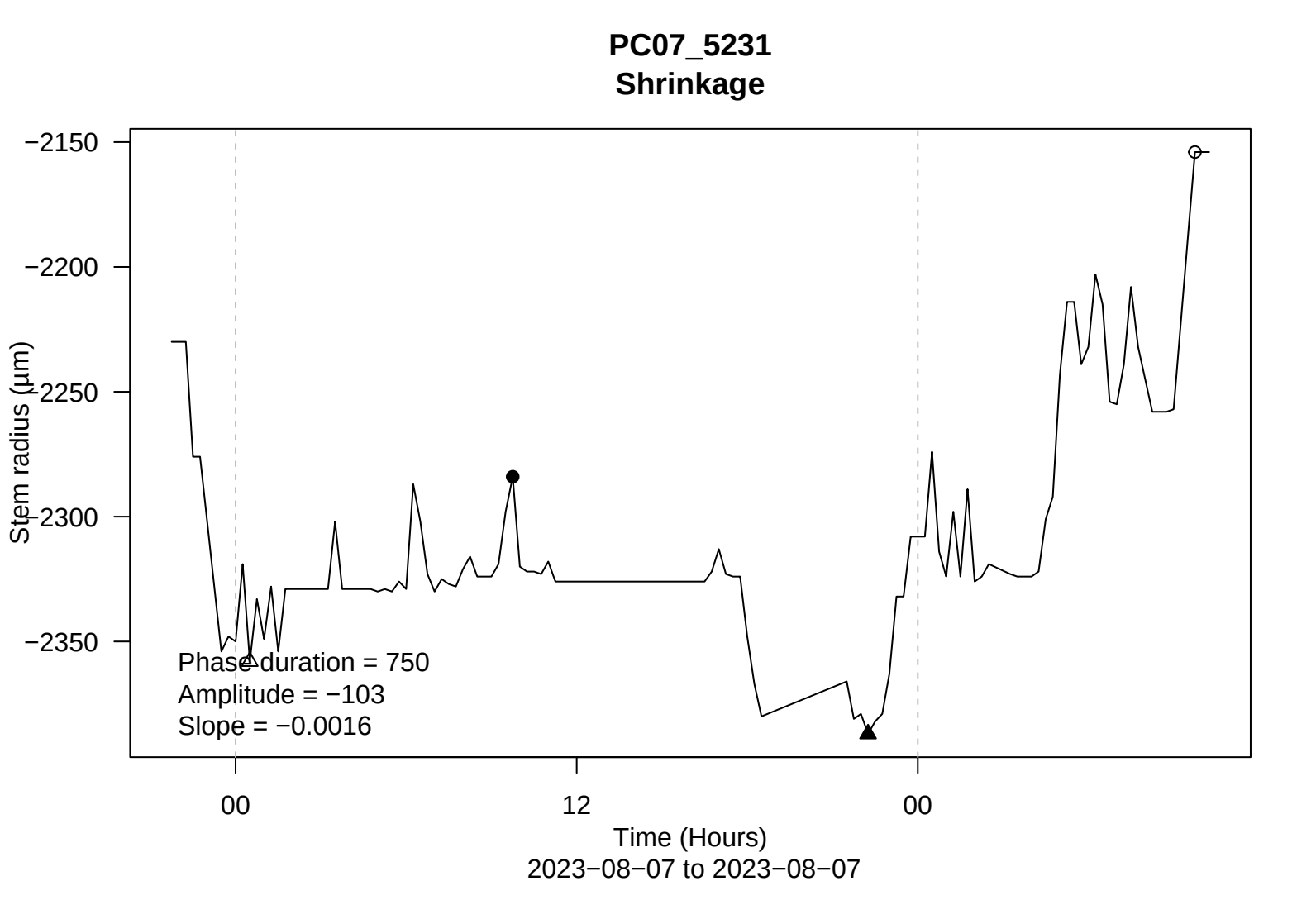

PC07_5231
Expansion
−2150
−2200
−2250
−2300
Stem radius (µm)
Phase duration = 285
Amplitude = 171
Slope = 0.0038
12
18
00
06
12
Time (Hours)
2023−08−05 to 2023−08−06

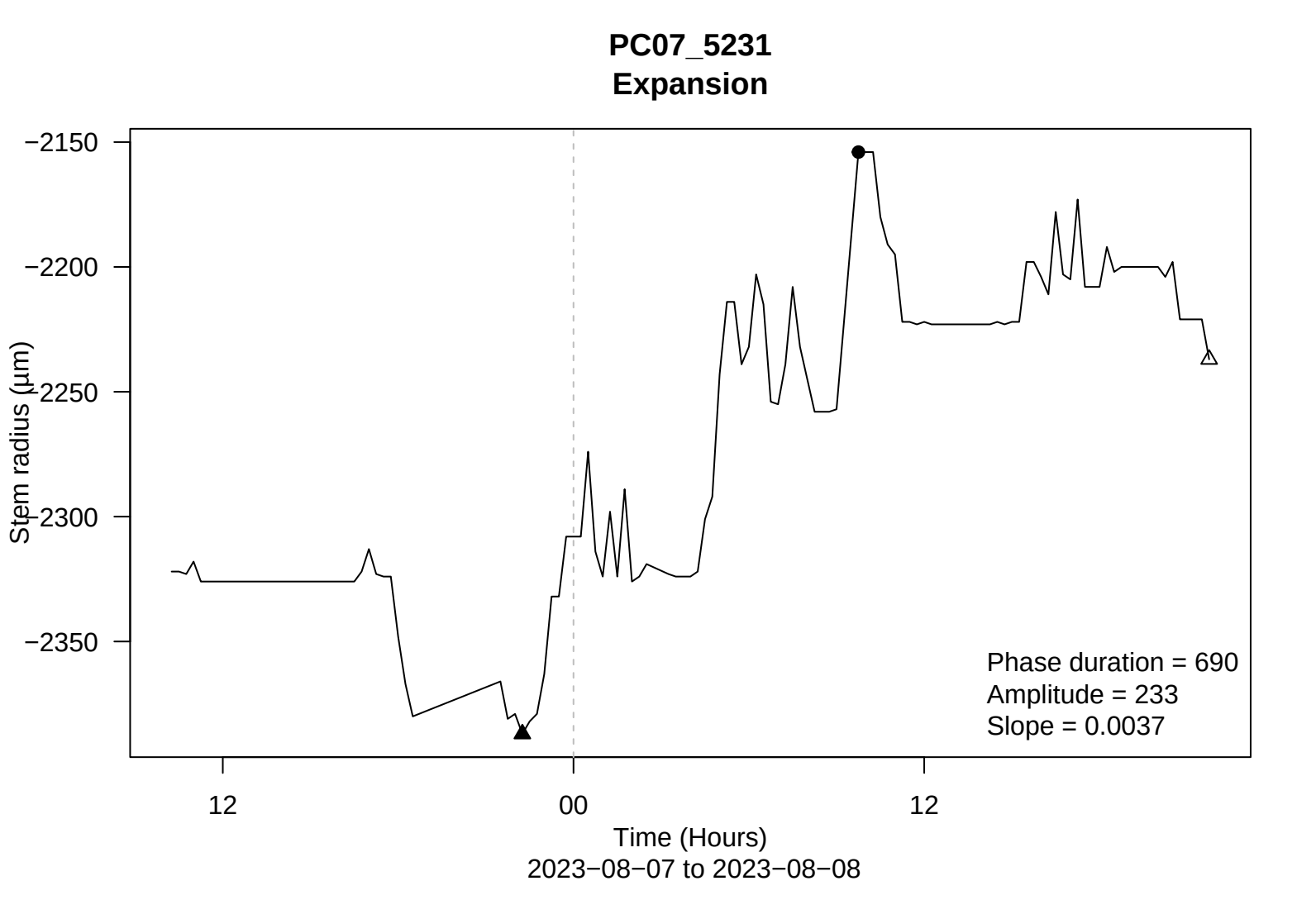

PC07_5231
Shrinkage
−2150
−2200
−2250
−2300
Stem radius (µm)
Phase duration = 465
Amplitude = −50
Slope = −3e−04
12
00
12
Time (Hours)
2023−08−06 to 2023−08−06

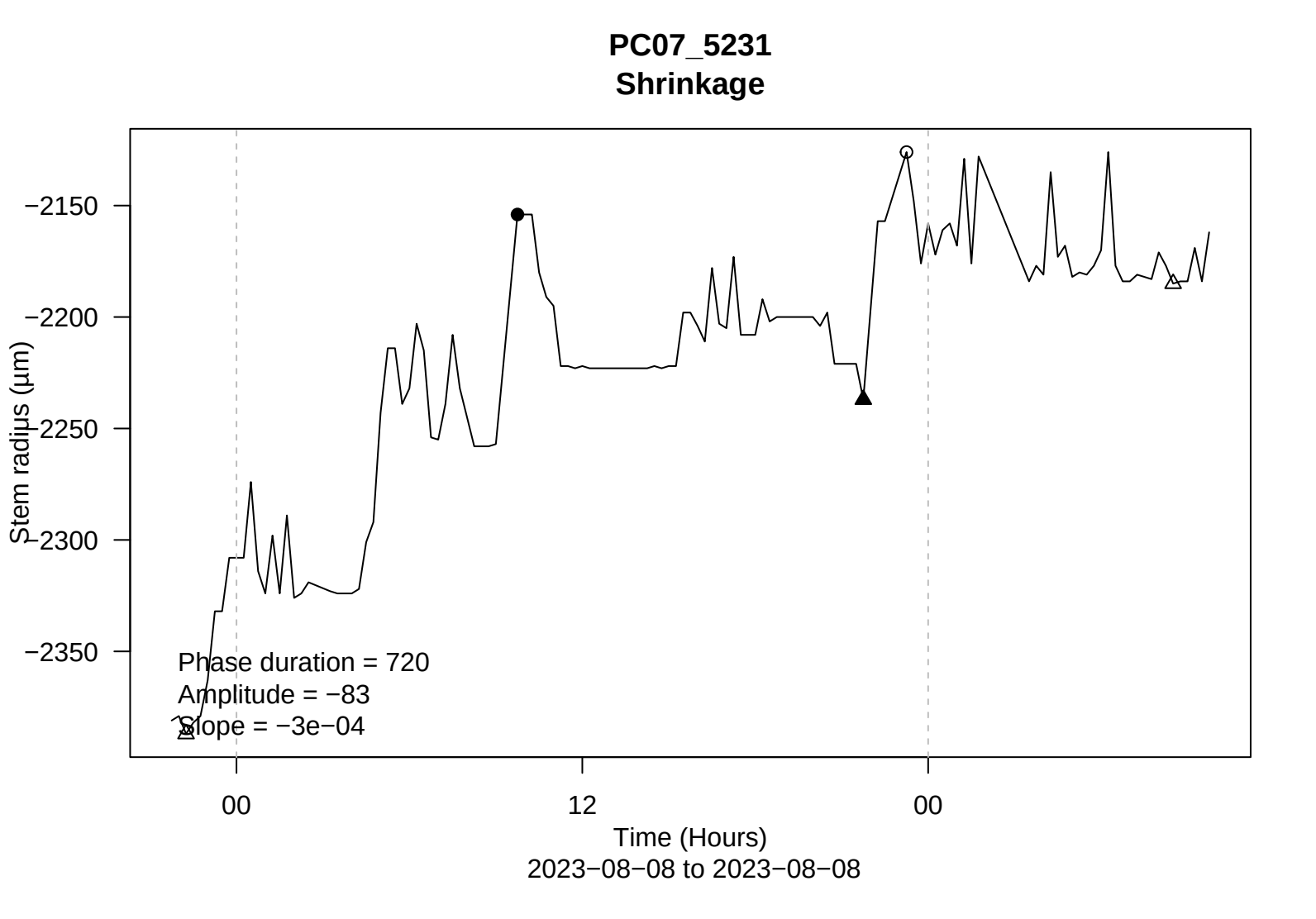

PC07_5231
Expansion
−2150
−2200
−2250
−2300
−2350
Stem radius (µm)
Phase duration = 570
Amplitude = 31
Slope = 1e−04
00
12
00
Time (Hours)
2023−08−06 to 2023−08−06

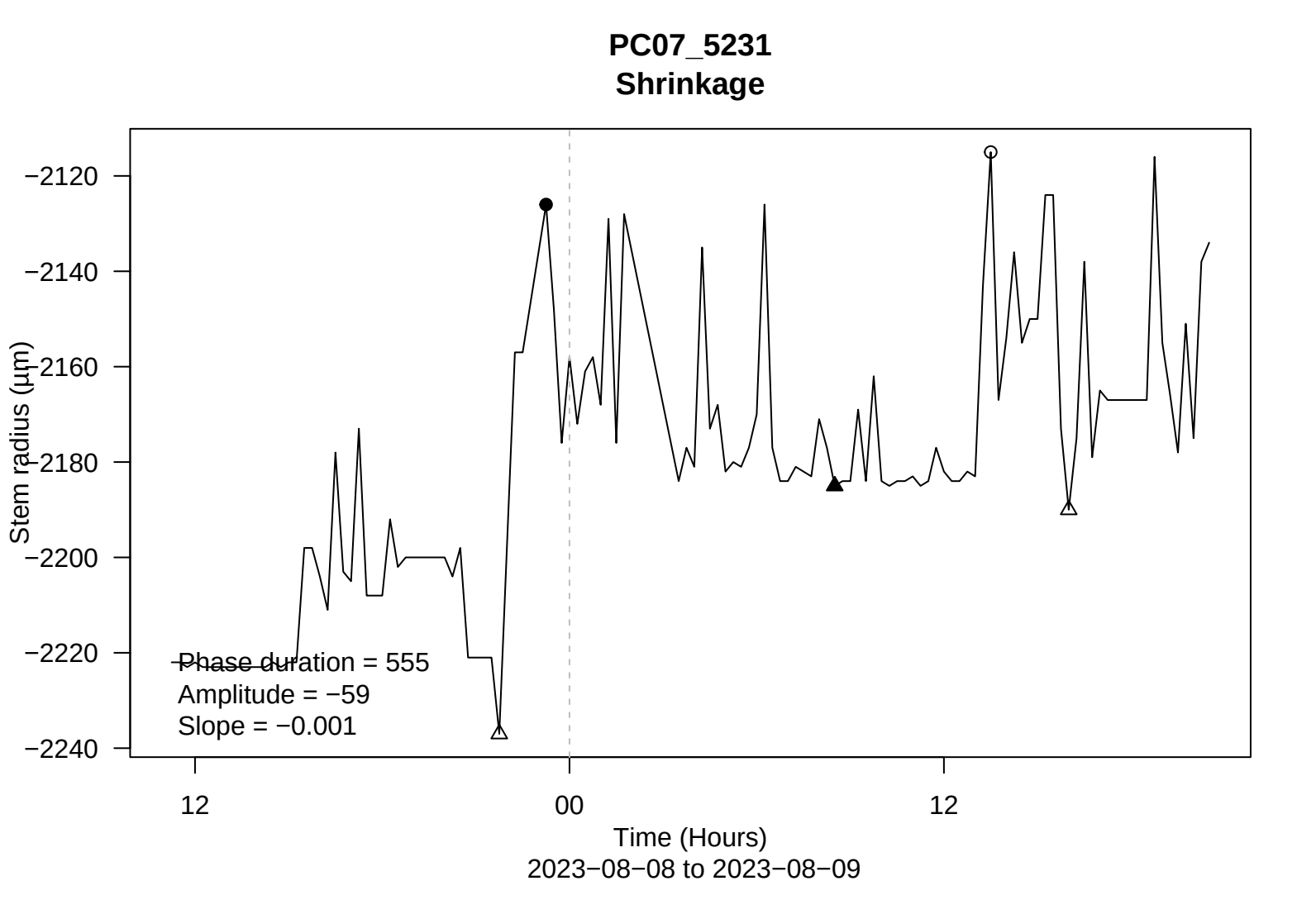

PC07_5231
Shrinkage
−2200
−2250
−2300
−2350
Stem radius (µm)
Phase duration = 405
Amplitude = −186
Slope = −0.007
12
00
12
Time (Hours)
2023−08−06 to 2023−08−07

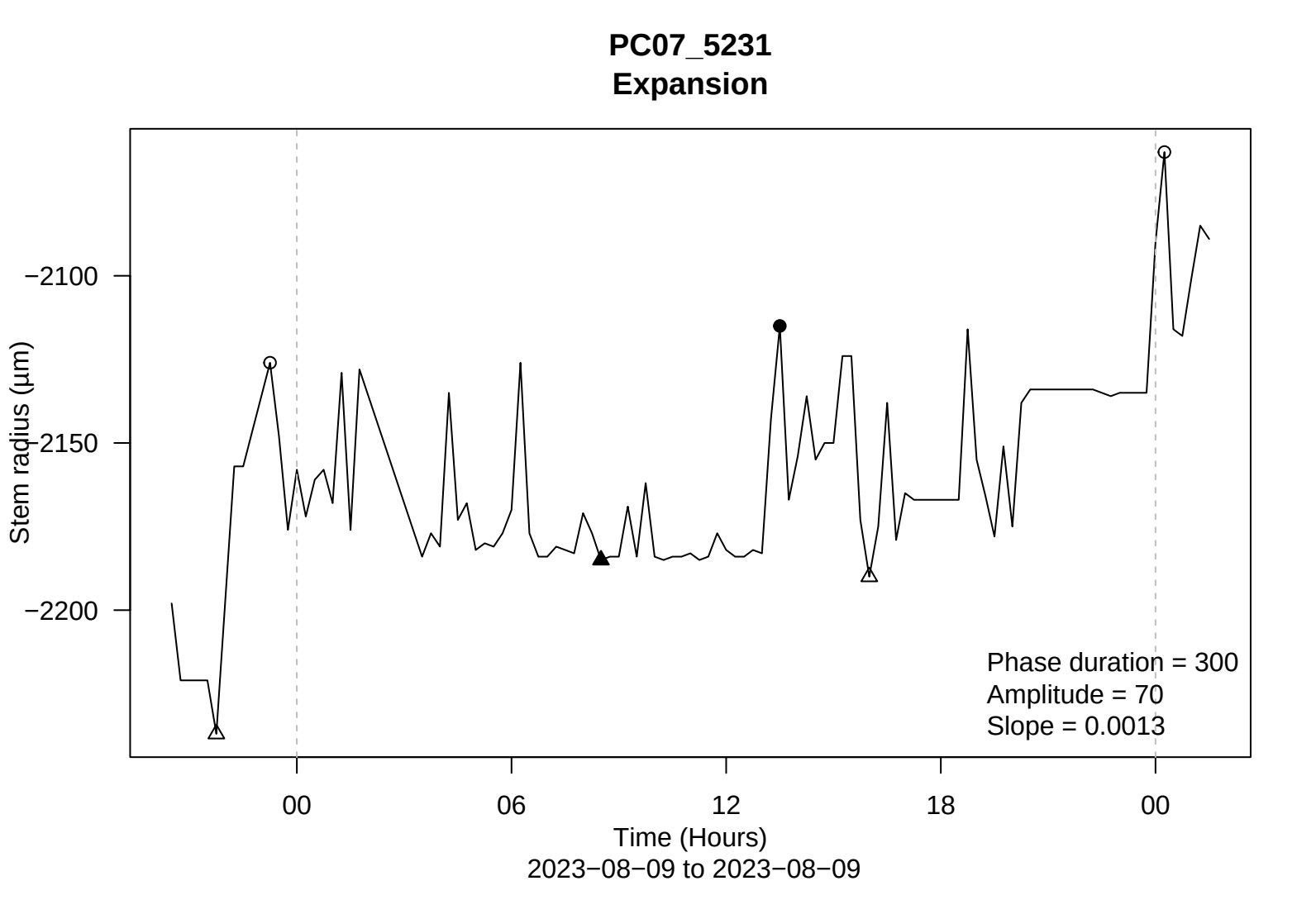

PC07_5231
Expansion
−2200
−2250
−2300
−2350
Stem radius (µm)
Phase duration = 555
Amplitude = 74
Slope = 9e−04
12
00
12
Time (Hours)
2023−08−07 to 2023−08−07

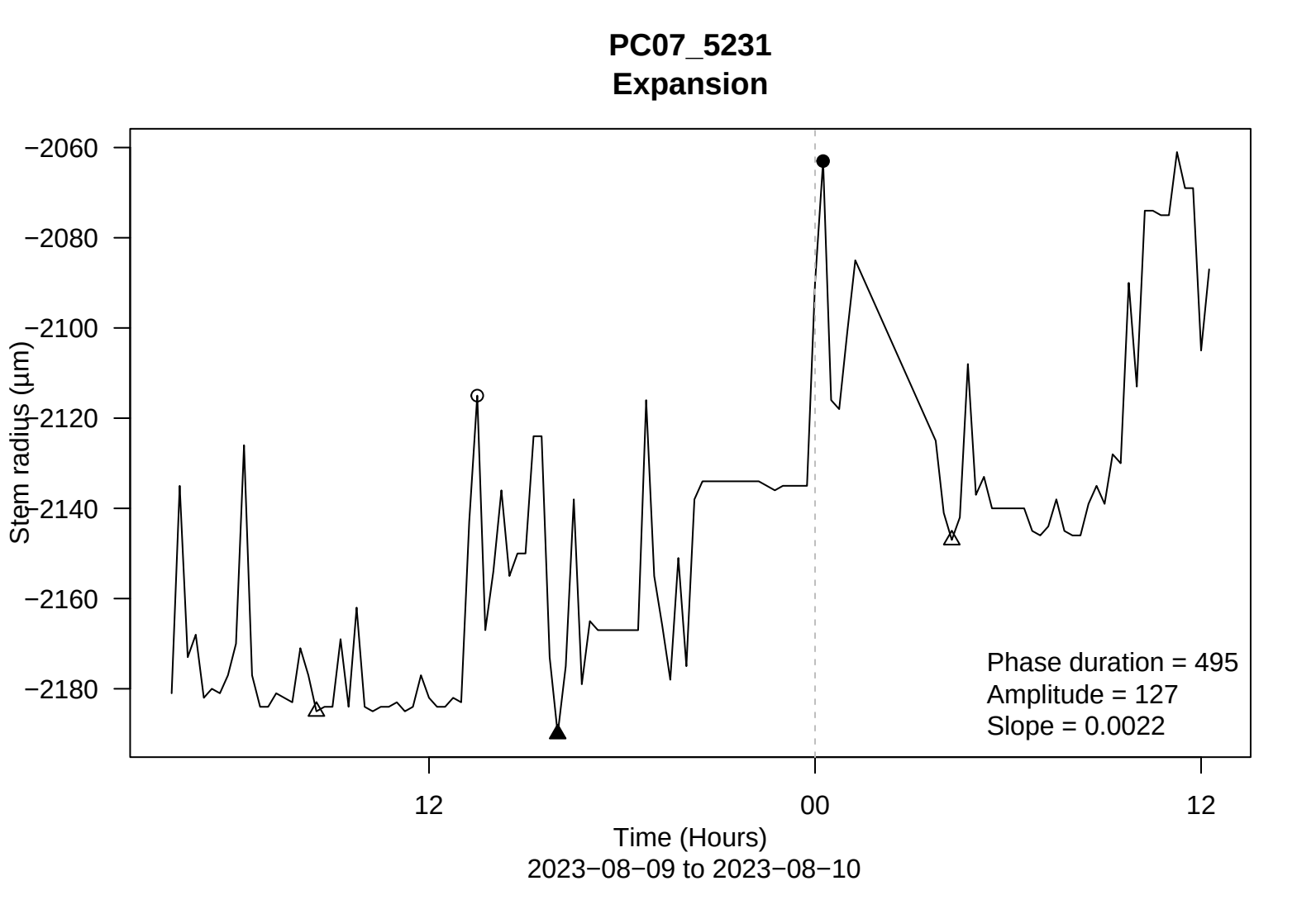

PC07_5231
Shrinkage
−2150
−2200
−2250
−2300
−2350
Stem radius (µm)
Phase duration = 750
Amplitude = −103
Slope = −0.0016
00
12
00
Time (Hours)
2023−08−07 to 2023−08−07

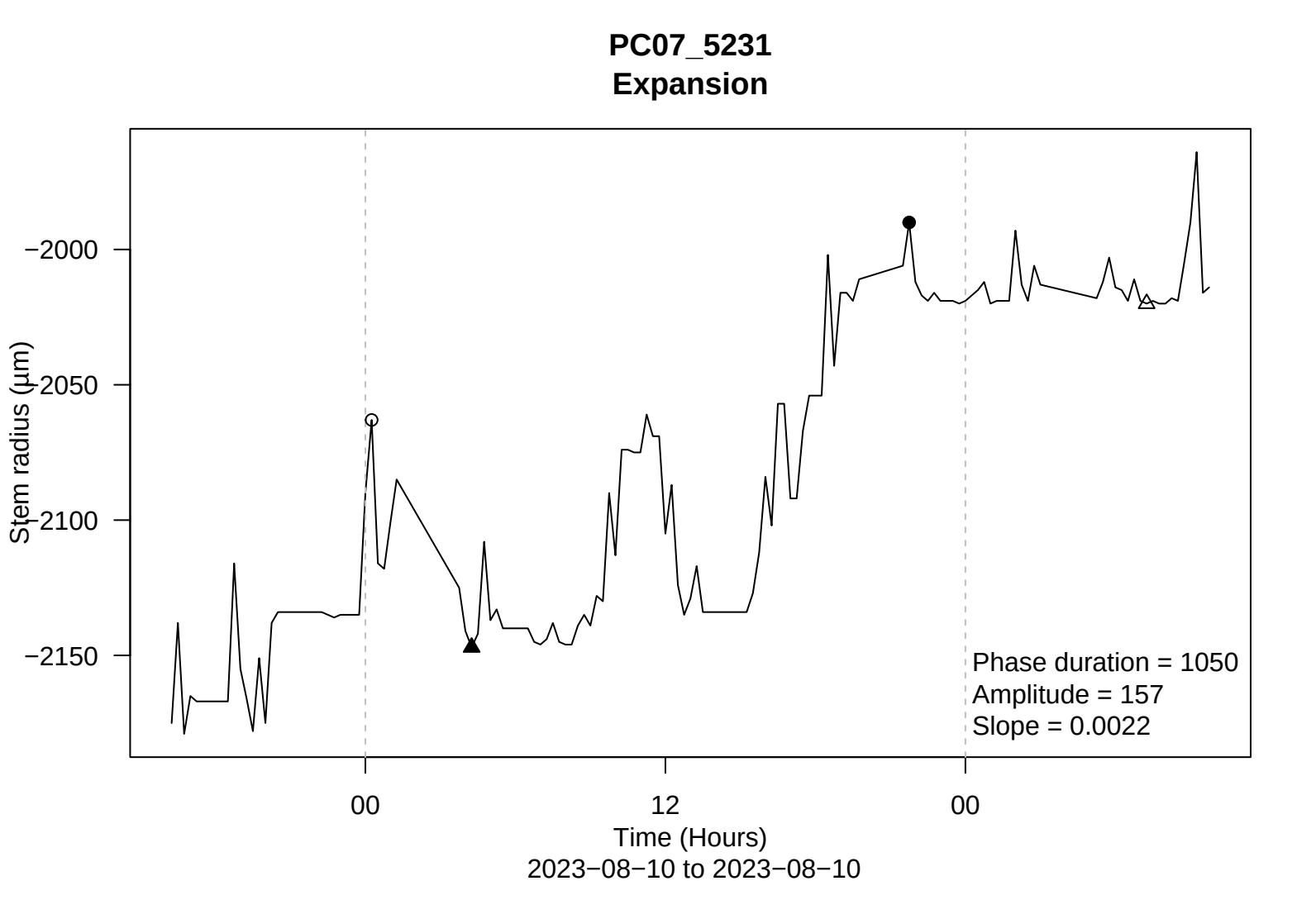

PC07_5231
Expansion
−2150
−2200
−2250
−2300
−2350
Stem radius (µm)
Phase duration = 690
Amplitude = 233
Slope = 0.0037
12
00
12
Time (Hours)
2023−08−07 to 2023−08−08

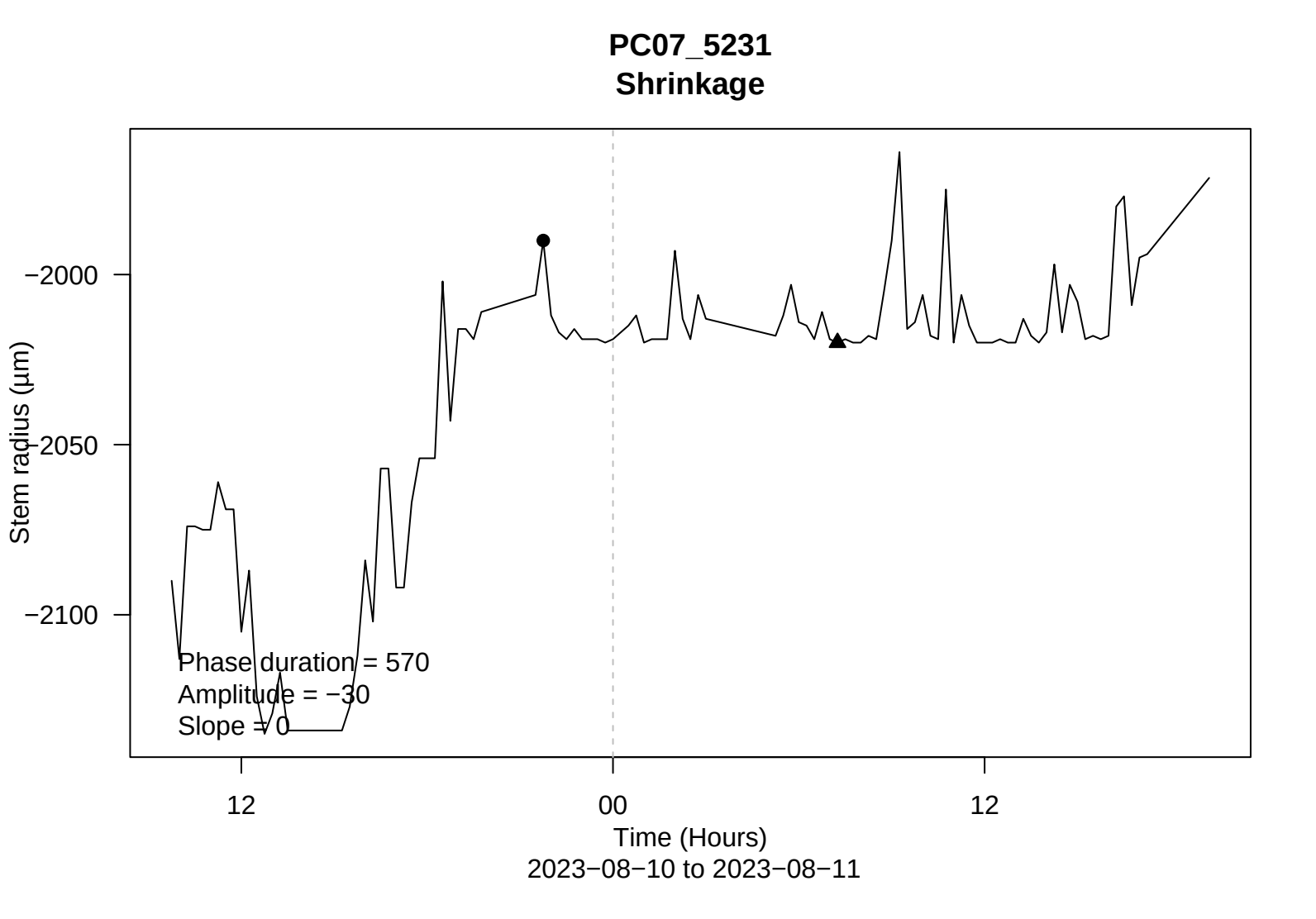

PC07_5231
Shrinkage
Stem radius (µm)
−2150
−2200
−2250
−2300
−2350
Phase duration = 720
Amplitude = −83
Slope = −3e−04
00
12
00
Time (Hours)
2023−08−08 to 2023−08−08

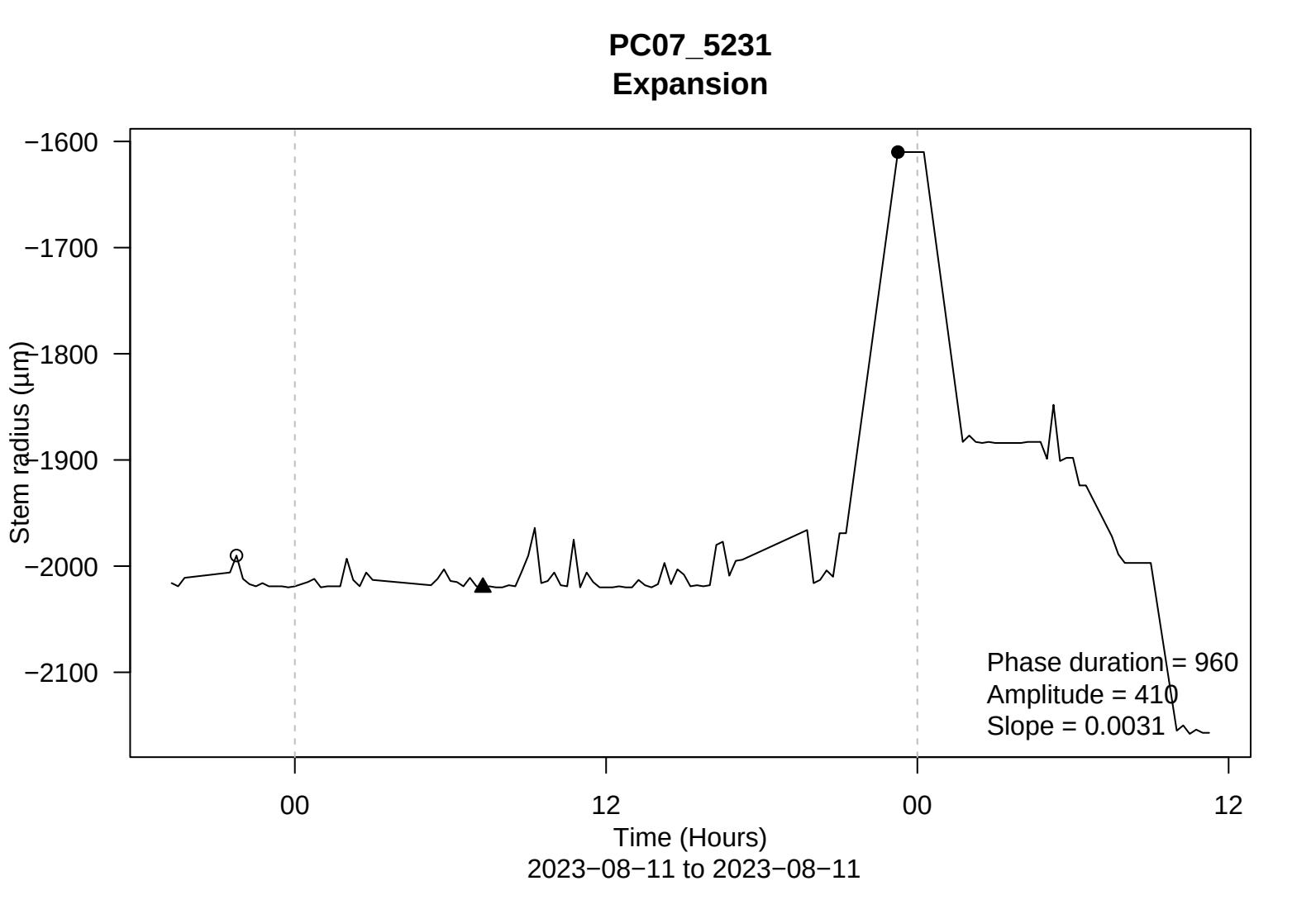

PC07_5231
Shrinkage
−2120
−2140
−2160
−2180
−2200
−2220
−2240
Stem radius (µm)
Phase duration = 555
Amplitude = −59
Slope = −0.001
12
00
12
Time (Hours)
2023−08−08 to 2023−08−09

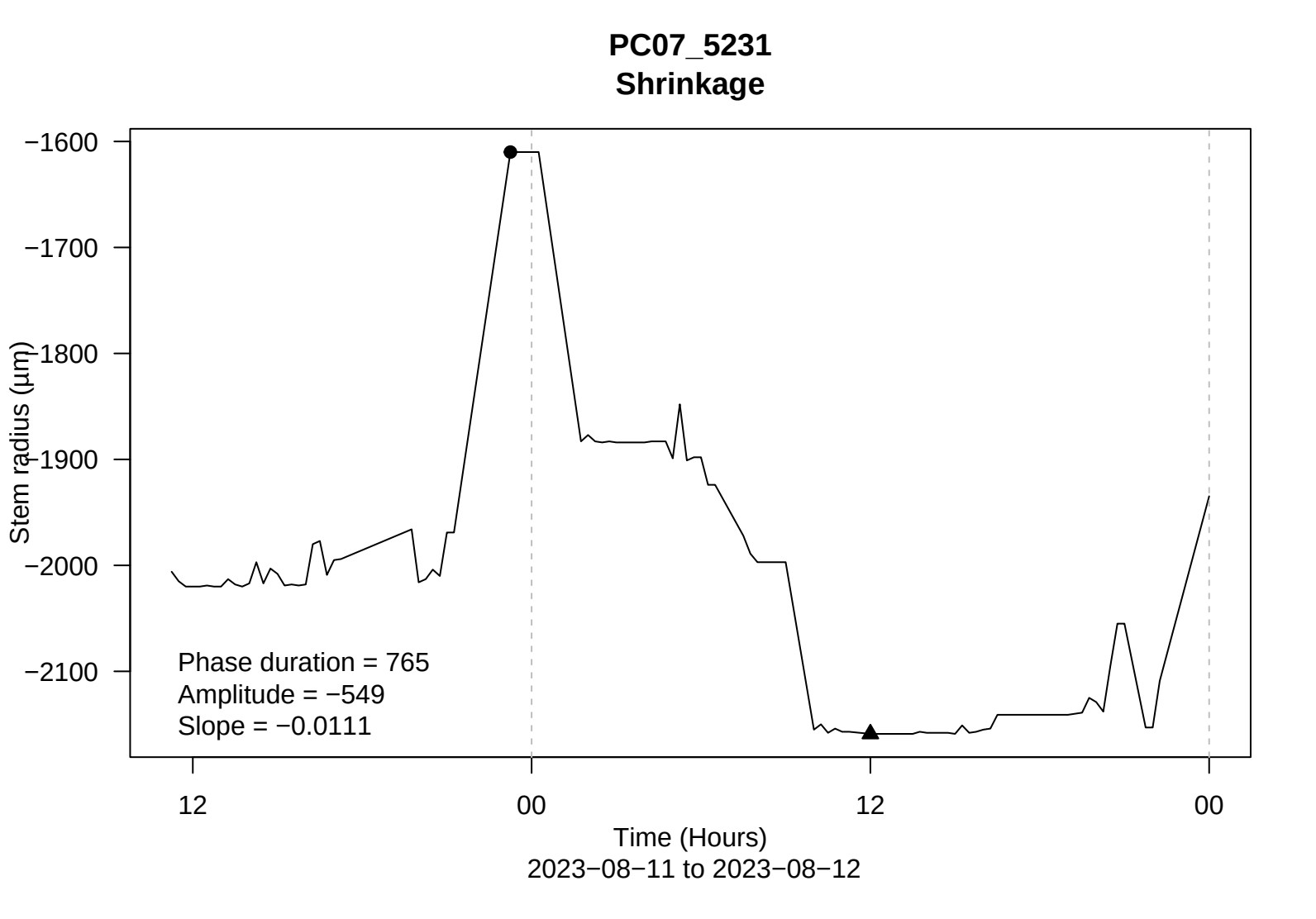

PC07_5231
Expansion
−2100
−2150
−2200
Stem radius (µm)
Phase duration = 300
Amplitude = 70
Slope = 0.0013
00
06
12
18
00
Time (Hours)
2023−08−09 to 2023−08−09

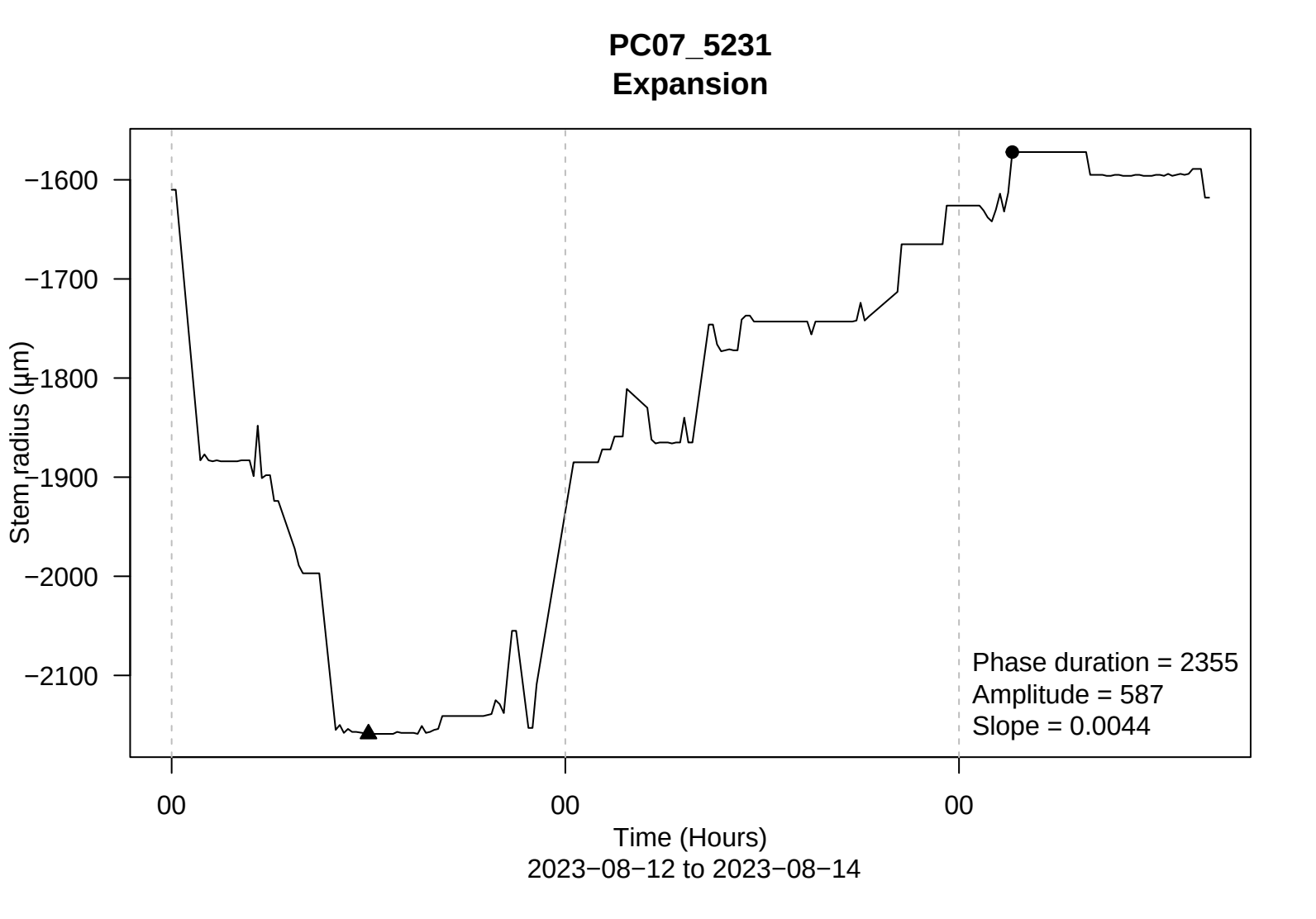

PC07_5231
Expansion
−2060
−2080
−2100
−2120
−2140
−2160
−2180
Stem radius (µm)
Phase duration = 495
Amplitude = 127
Slope = 0.0022
12
00
12
Time (Hours)
2023−08−09 to 2023−08−10

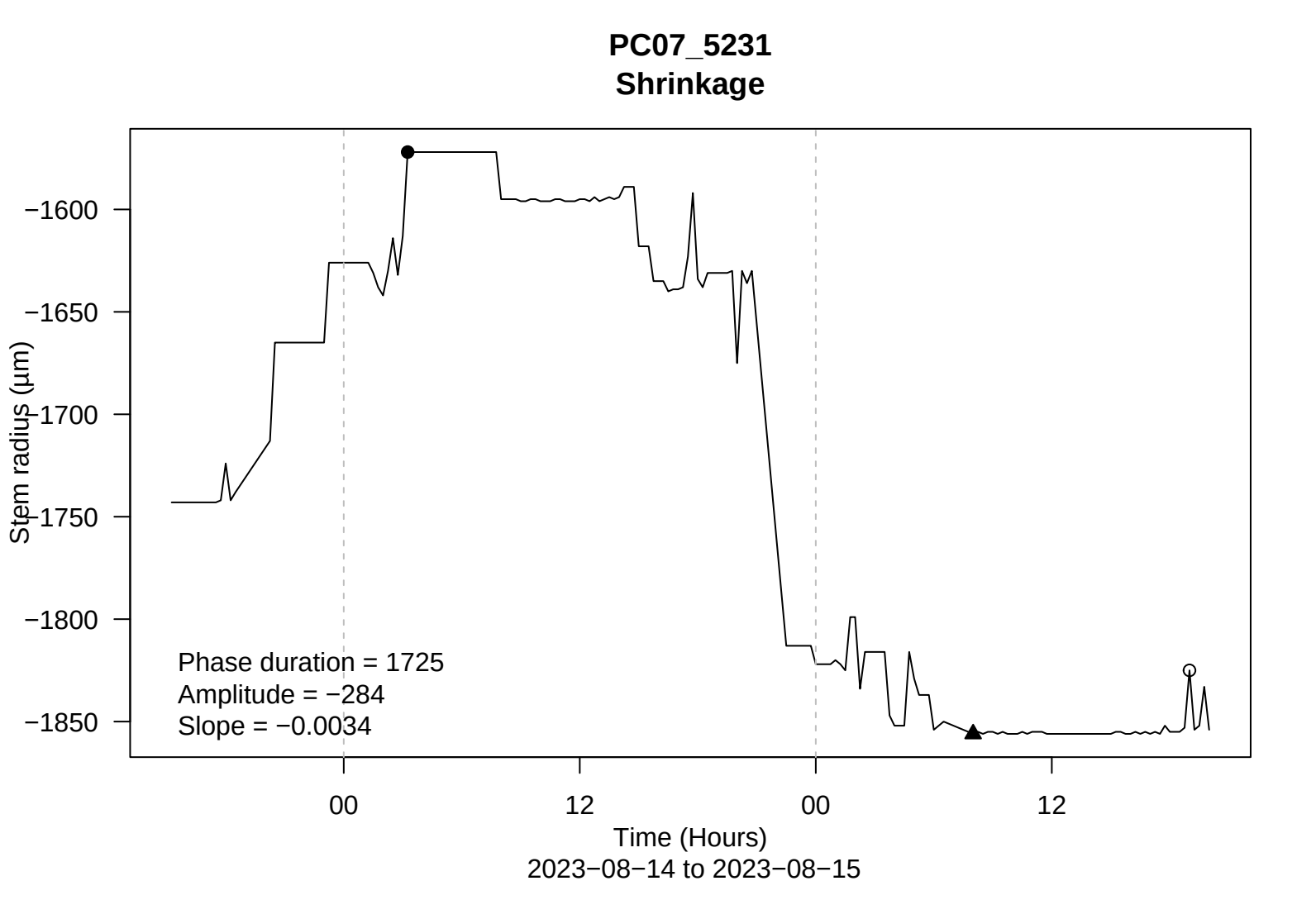

PC07_5231
Expansion
−2000
−2050
−2100
−2150
Stem radius (µm)
Phase duration = 1050
Amplitude = 157
Slope = 0.0022
00
12
00
Time (Hours)
2023−08−10 to 2023−08−10

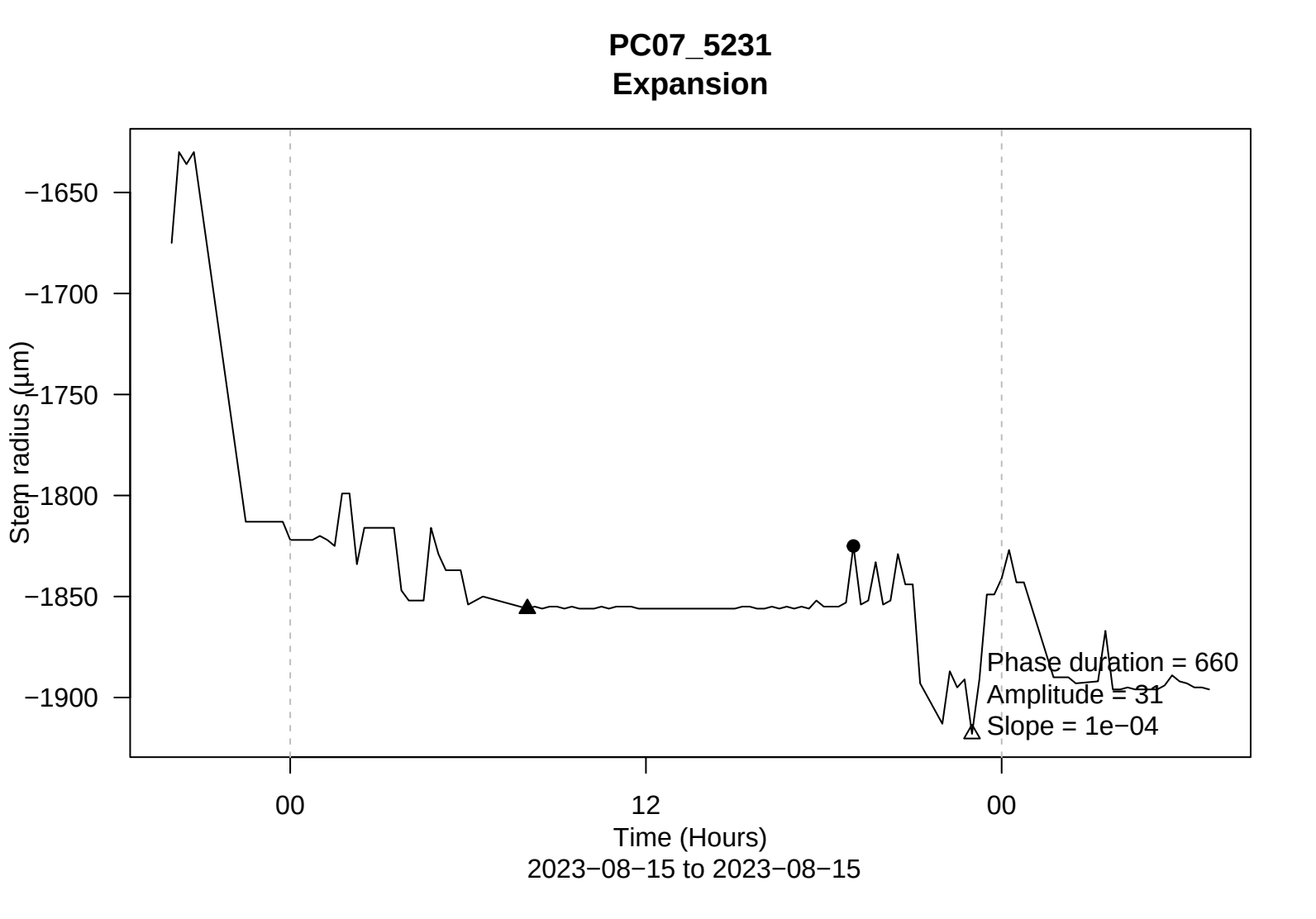

PC07_5231
Shrinkage
−2000
−2050
−2100
Stem radius (µm)
Phase duration = 570
Amplitude = −30
Slope = 0
12
00
12
Time (Hours)
2023−08−10 to 2023−08−11

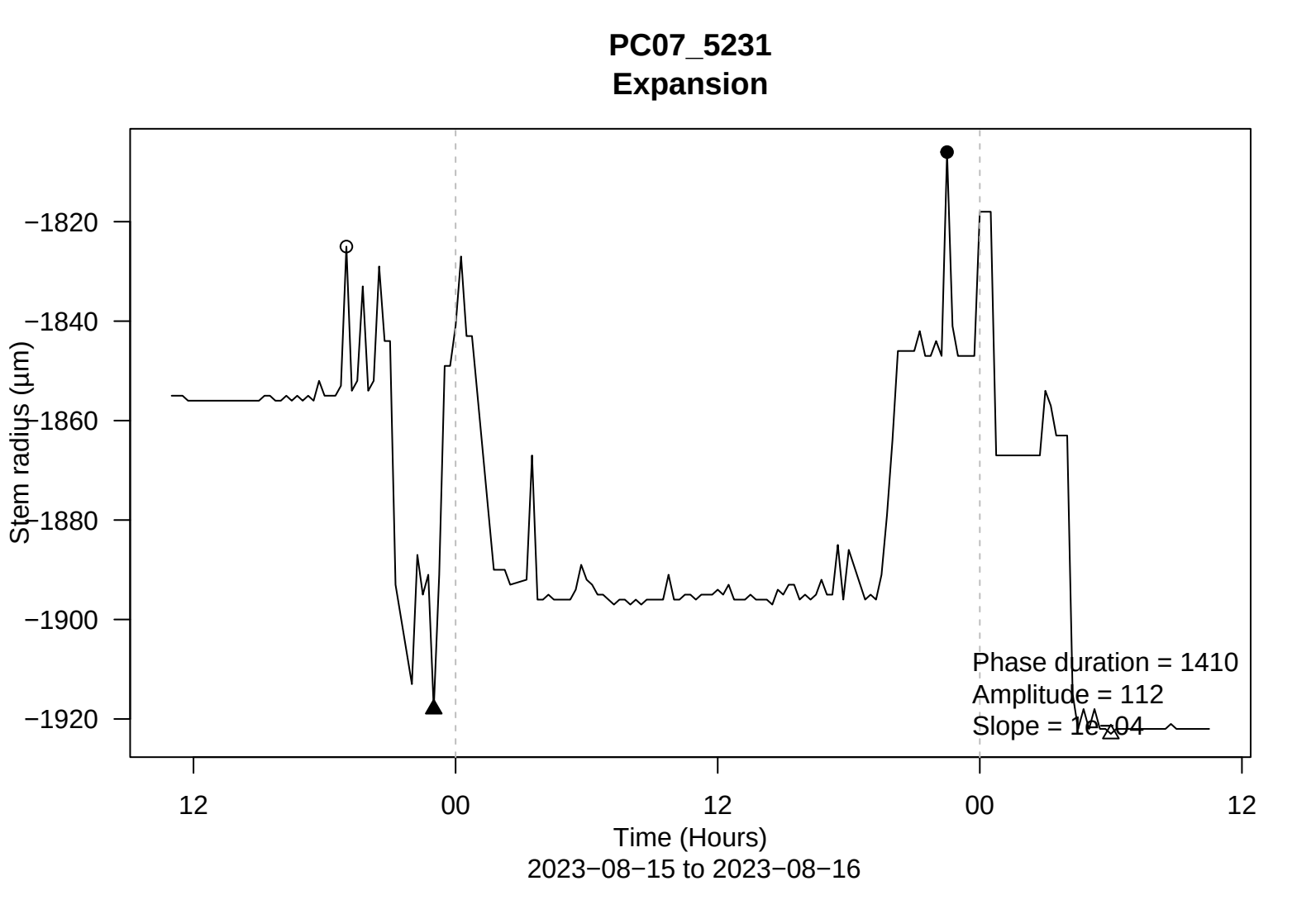

PC07_5231
Expansion
−1600
−1700
−1800
−1900
−2000
−2100
Stem radius (µm)
Phase duration = 960
Amplitude = 410
Slope = 0.0031
00
12
00
12
Time (Hours)
2023−08−11 to 2023−08−11

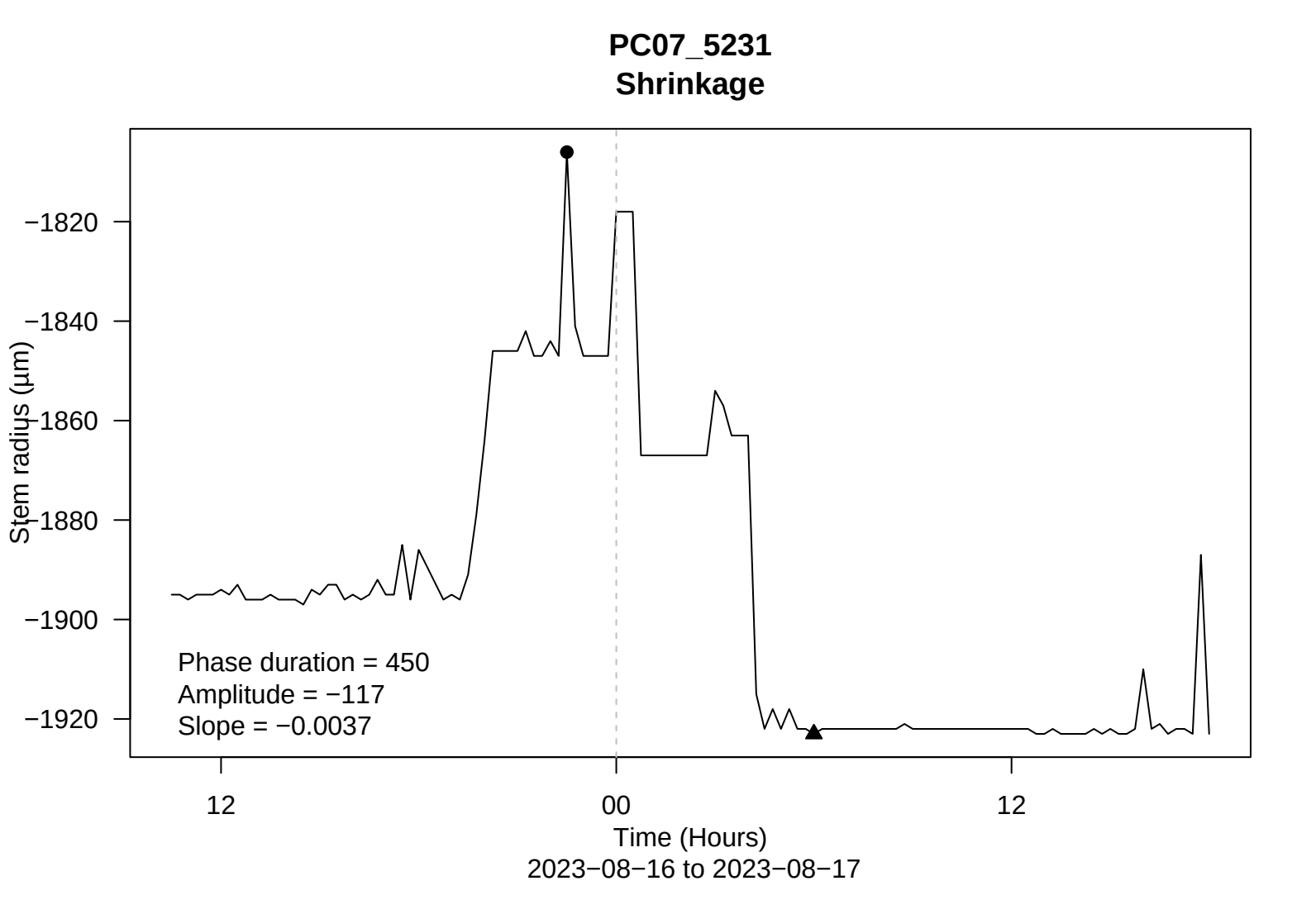

PC07_5231
Shrinkage
−1600
−1700
−1800
−1900
−2000
−2100
Stem radius (µm)
Phase duration = 765
Amplitude = −549
Slope = −0.0111
12
00
12
00
Time (Hours)
2023−08−11 to 2023−08−12

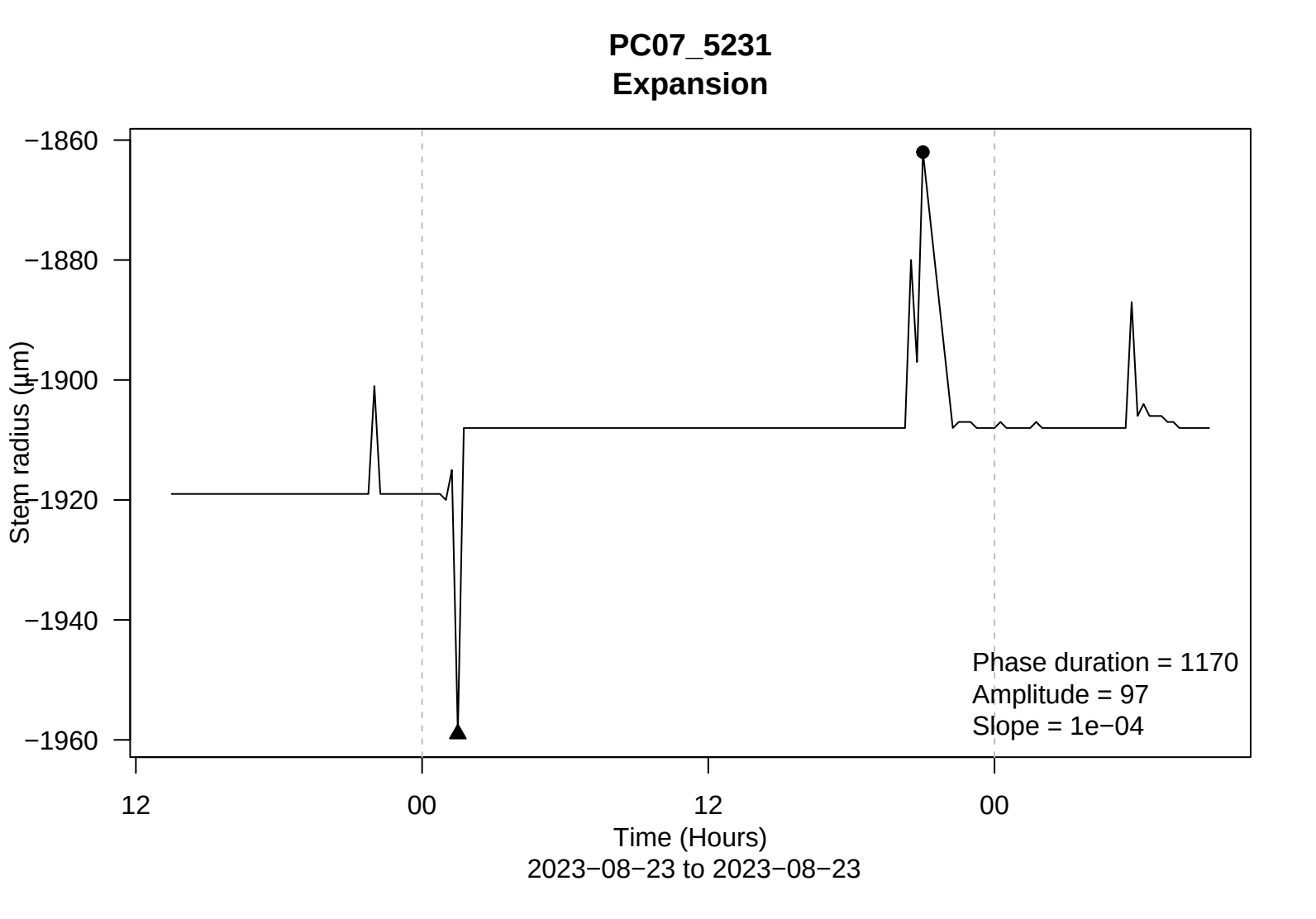

PC07_5231
Expansion
−1600
−1700
−1800
−1900
−2000
−2100
Stem radius (µm)
Phase duration = 2355
Amplitude = 587
Slope = 0.0044
00
00
00
Time (Hours)
2023−08−12 to 2023−08−14

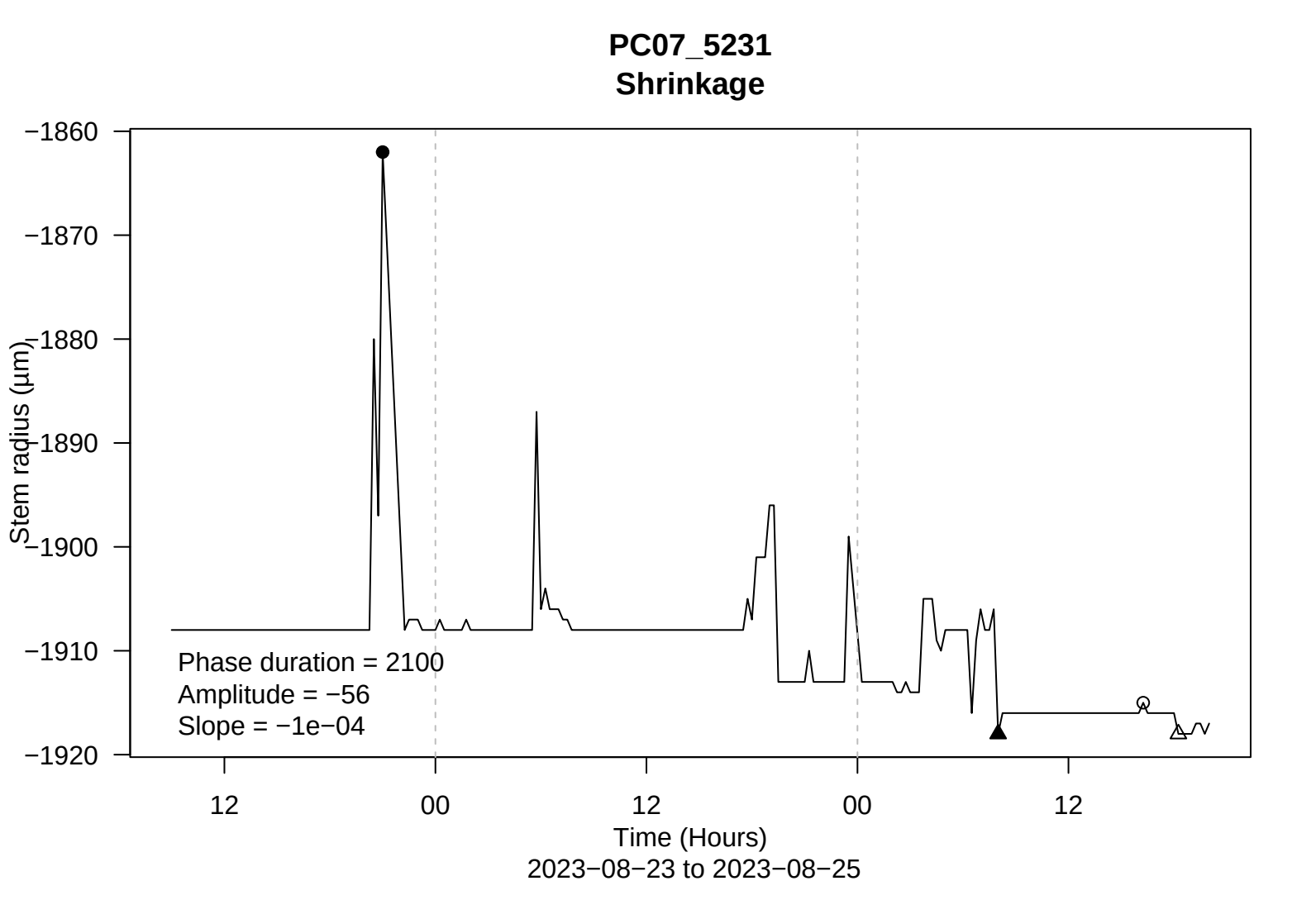

PC07_5231
Shrinkage
−1600
−1650
−1700
−1750
−1800
−1850
Stem radius (µm)
Phase duration = 1725
Amplitude = −284
Slope = −0.0034
00
12
00
12
Time (Hours)
2023−08−14 to 2023−08−15

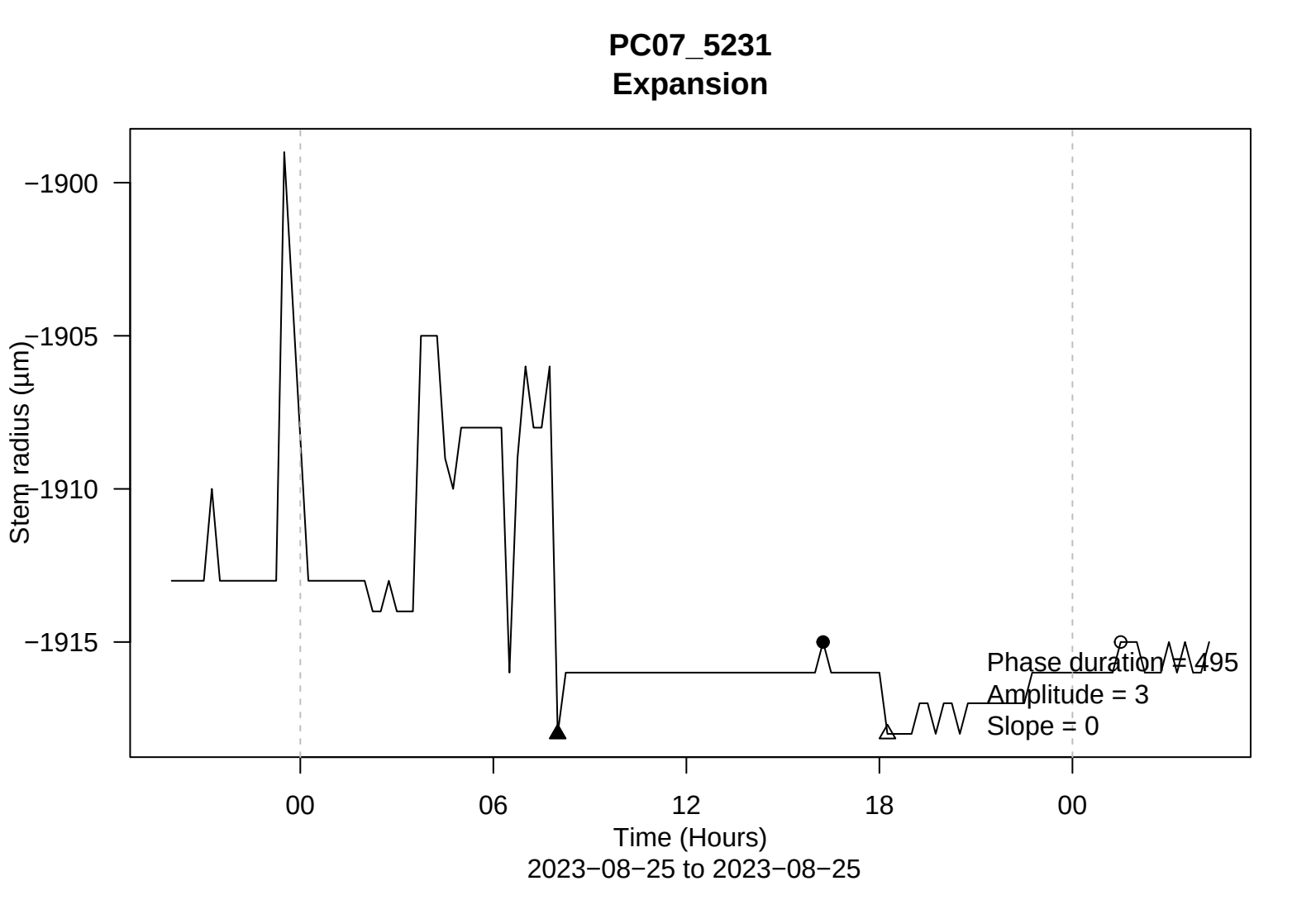

PC07_5231
Expansion
−1650
−1700
−1750
−1800
−1850
−1900
Stem radius (µm)
Phase duration = 660
Amplitude = 31
Slope = 1e−04
00
12
00
Time (Hours)
2023−08−15 to 2023−08−15

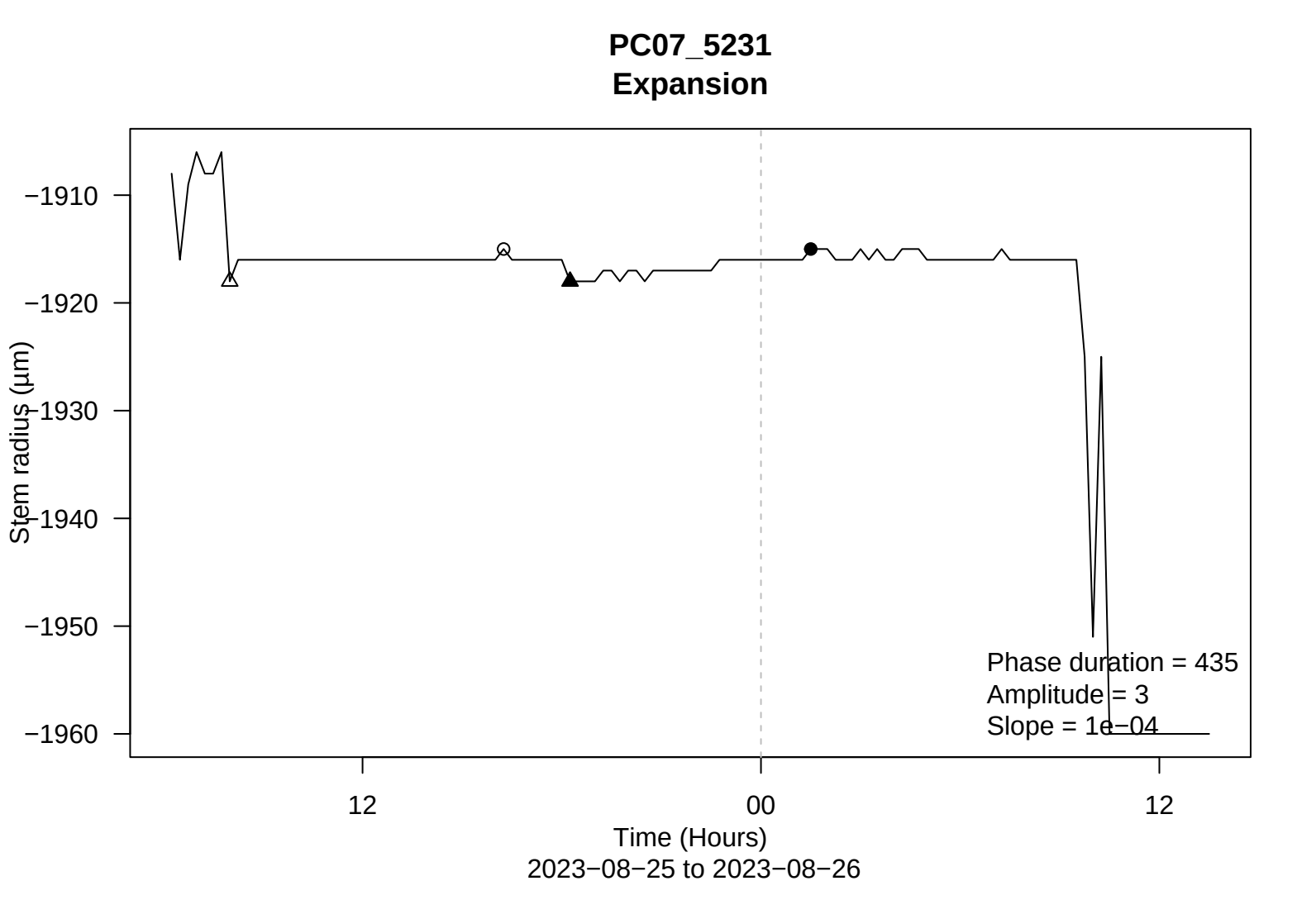

PC07_5231
Expansion
−1820
−1840
−1860
−1880
−1900
−1920
Stem radius (µm)
Phase duration = 1410
Amplitude = 112
Slope = 1e−04
12
00
12
00
12
Time (Hours)
2023−08−15 to 2023−08−16

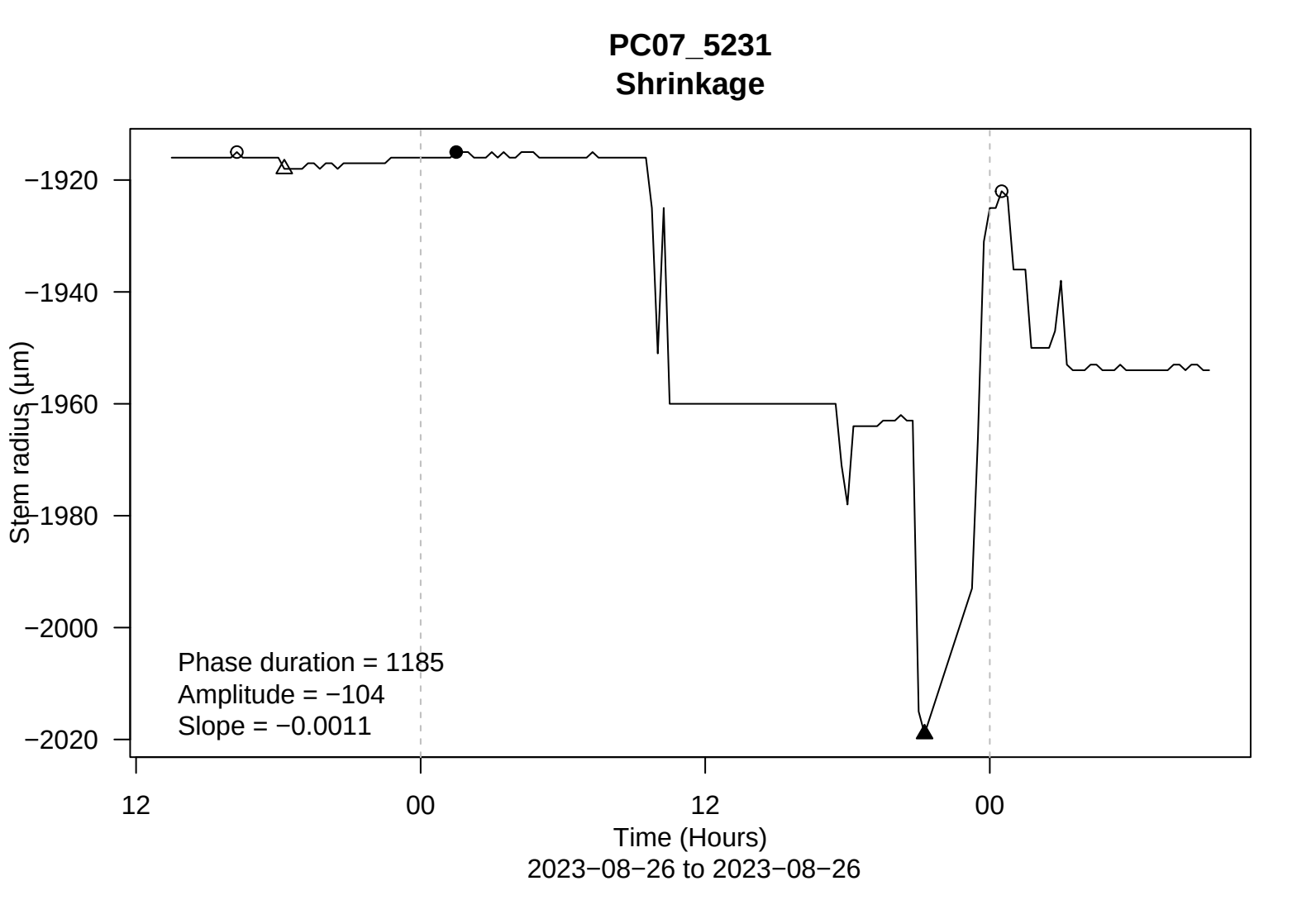

PC07_5231
Shrinkage
−1820
−1840
−1860
−1880
−1900
−1920
Stem radius (µm)
Phase duration = 450
Amplitude = −117
Slope = −0.0037
12
00
12
Time (Hours)
2023−08−16 to 2023−08−17

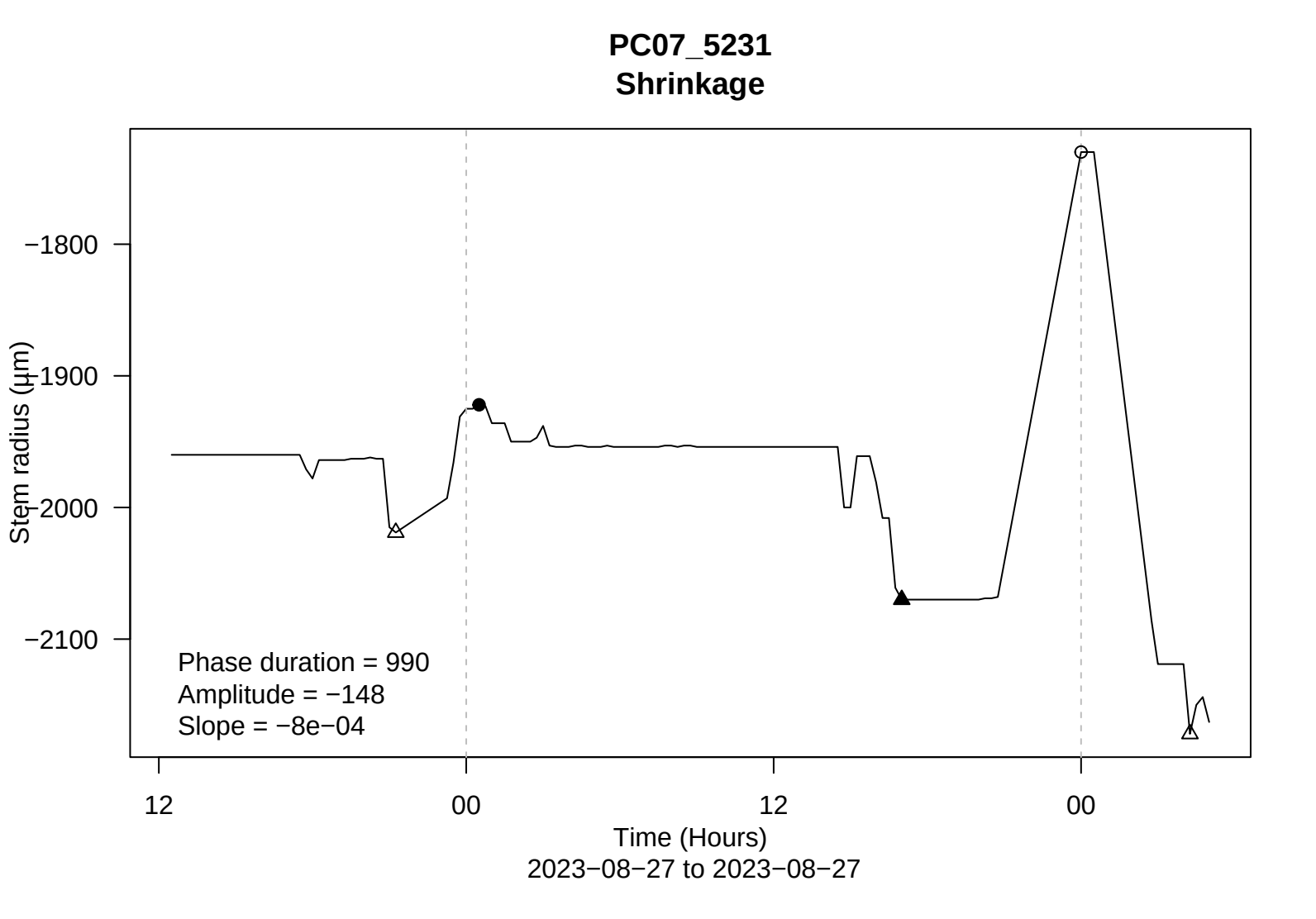

PC07_5231
Expansion
−1860
−1880
−1900
−1920
−1940
−1960
Stem radius (µm)
Phase duration = 1170
Amplitude = 97
Slope = 1e−04
12
00
12
00
Time (Hours)
2023−08−23 to 2023−08−23

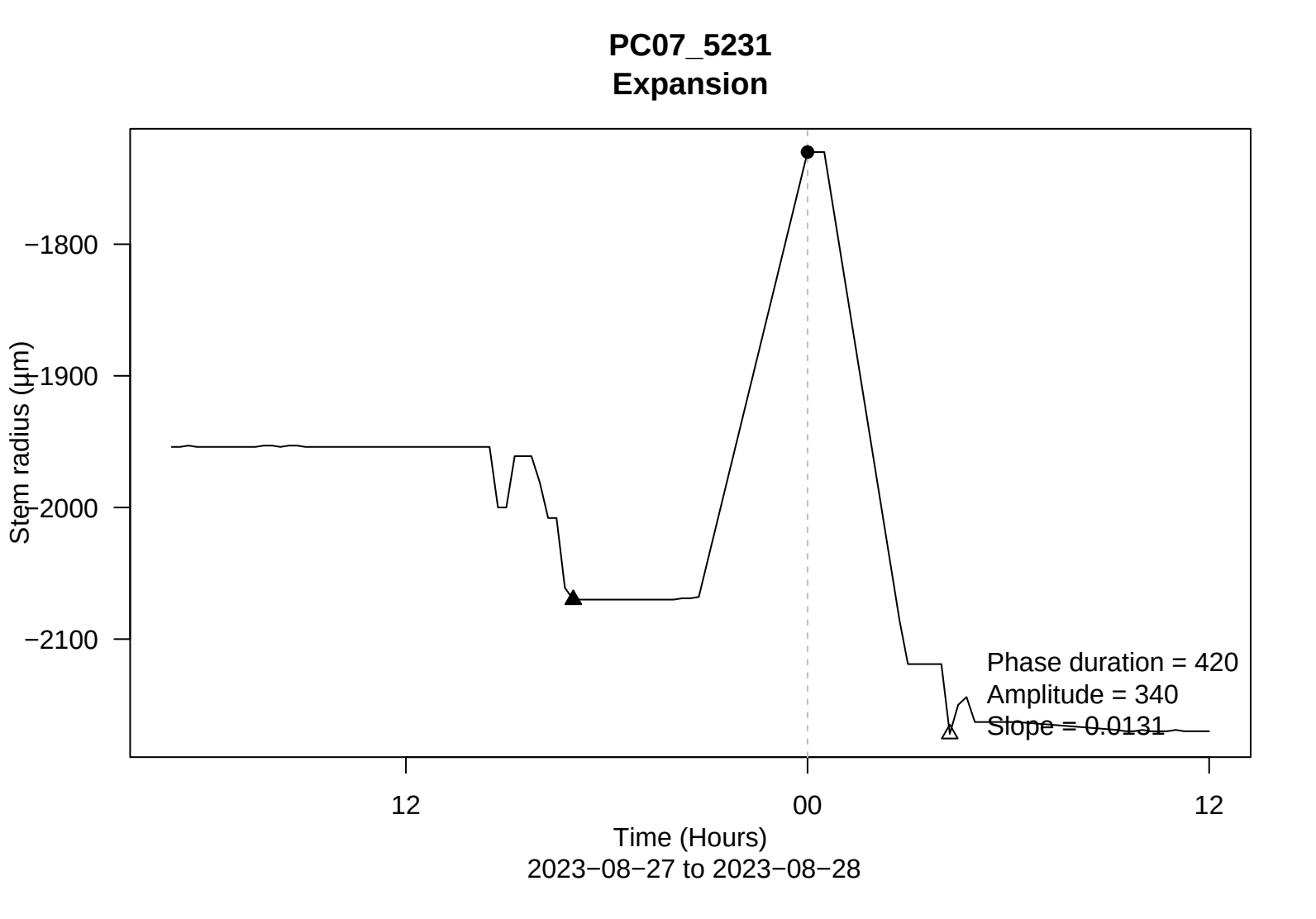

PC07_5231
Shrinkage
−1860
−1870
−1880
−1890
−1900
−1910
−1920
Stem radius (µm)
Phase duration = 2100
Amplitude = −56
Slope = −1e−04
12
00
12
00
12
Time (Hours)
2023−08−23 to 2023−08−25

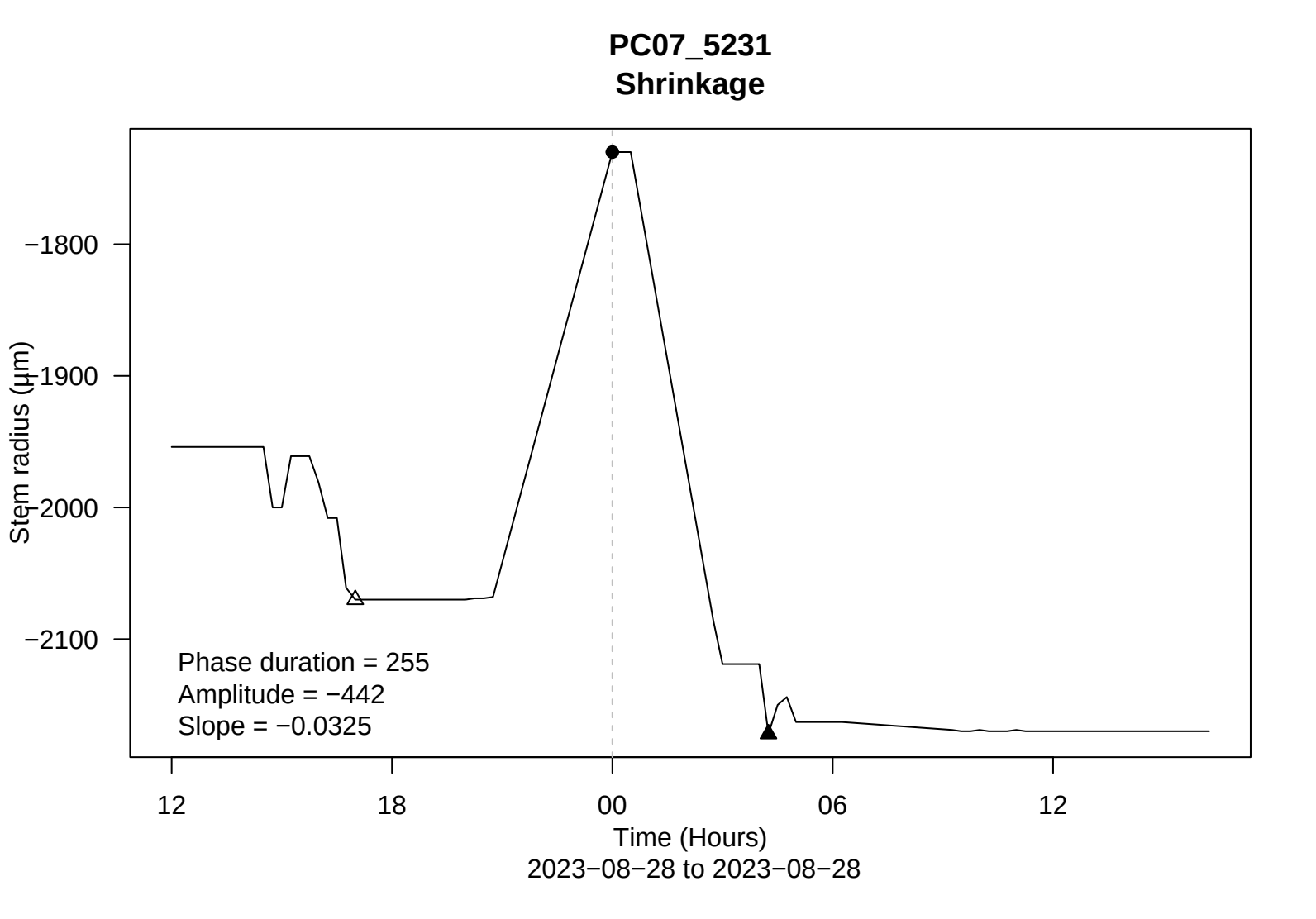

PC07_5231
Expansion
−1900
−1905
−1910
−1915
Stem radius (µm)
Phase duration = 495
Amplitude = 3
Slope = 0
00
06
12
18
00
Time (Hours)
2023−08−25 to 2023−08−25

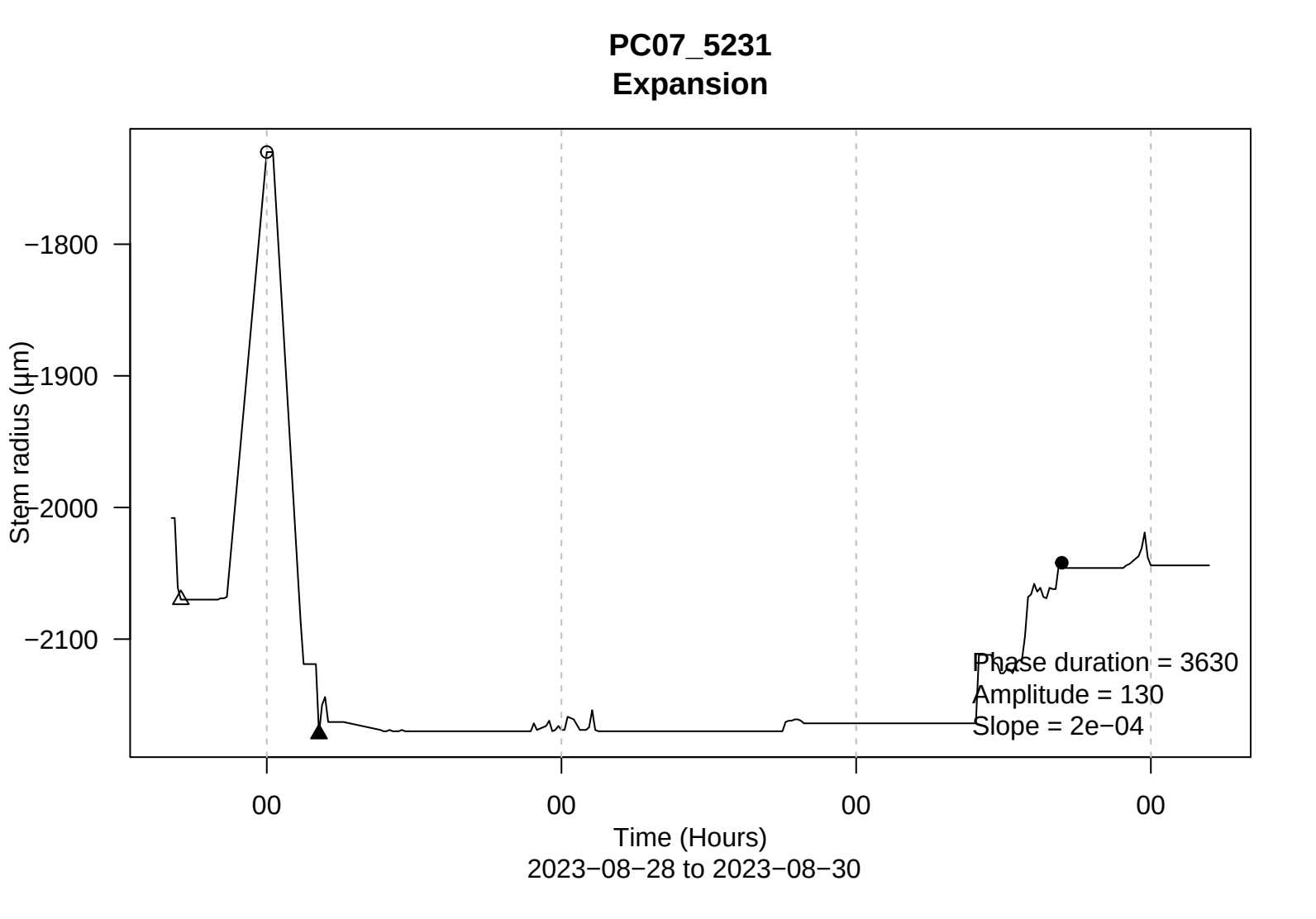

PC07_5231
Expansion
−1910
−1920
−1930
−1940
−1950
−1960
Stem radius (µm)
Phase duration = 435
Amplitude = 3
Slope = 1e−04
12
00
12
Time (Hours)
2023−08−25 to 2023−08−26

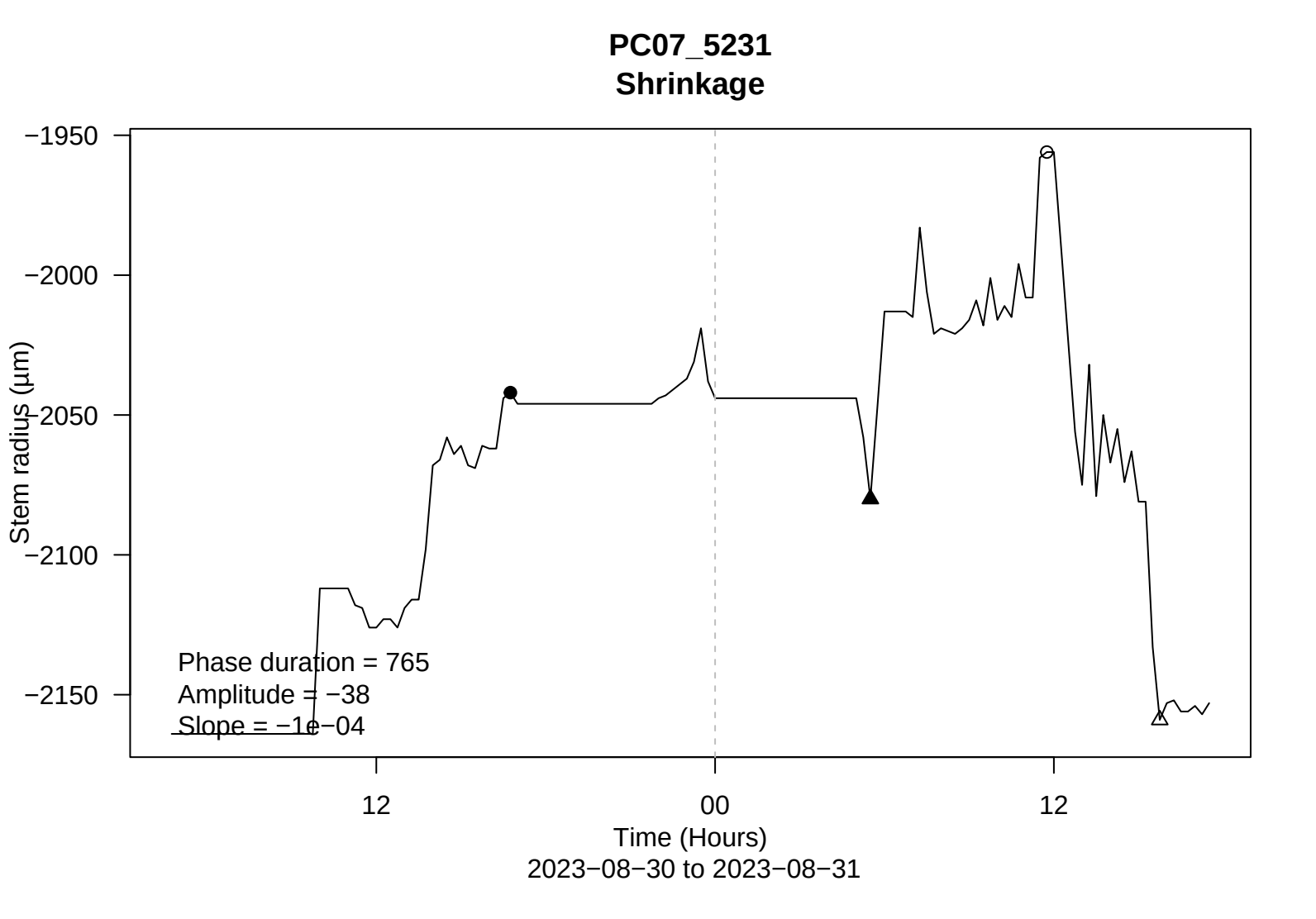

PC07_5231
Shrinkage
−1920
−1940
−1960
−1980
−2000
−2020
Stem radius (µm)
Phase duration = 1185
Amplitude = −104
Slope = −0.0011
12
00
12
00
Time (Hours)
2023−08−26 to 2023−08−26

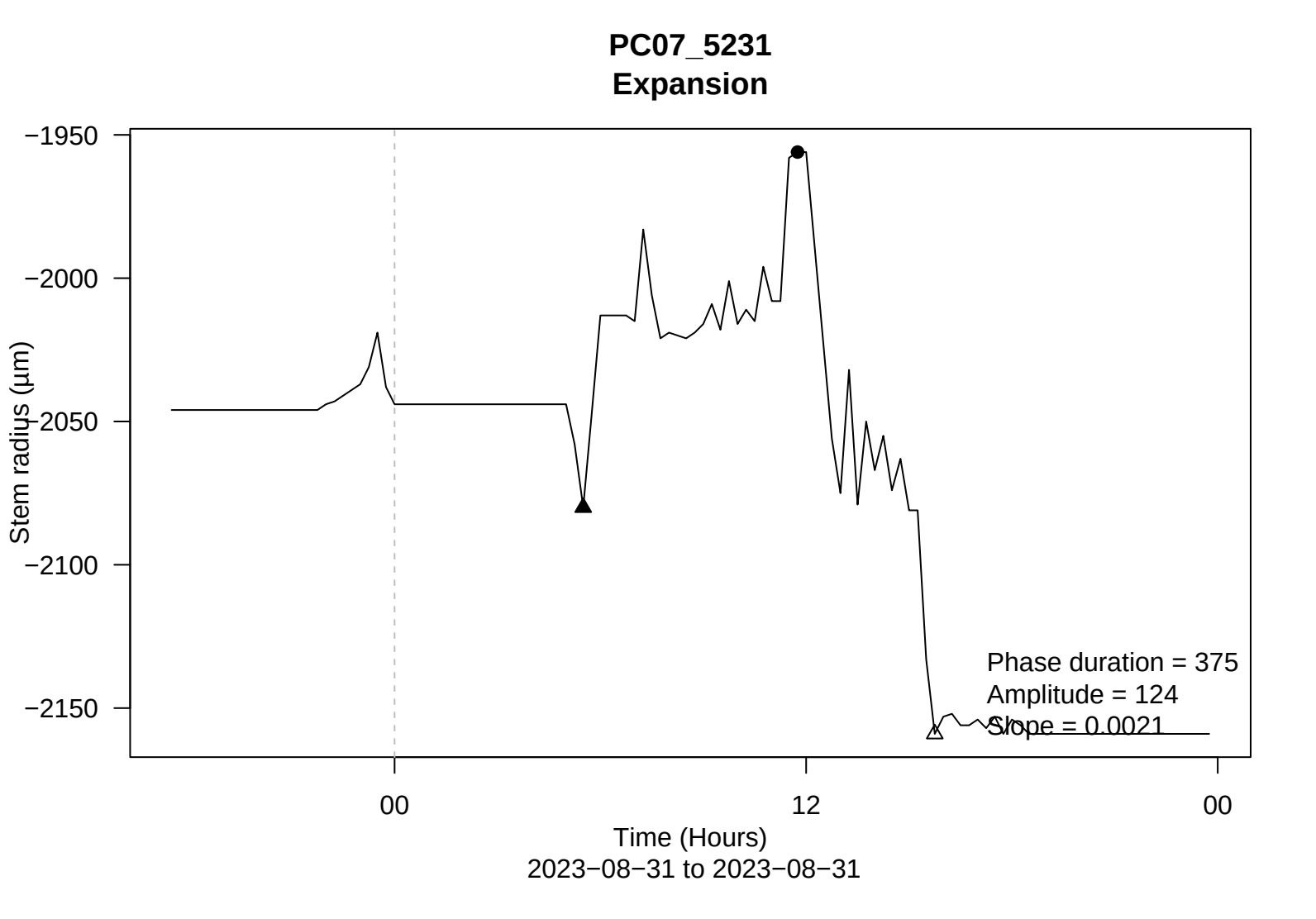

PC07_5231
Shrinkage
−1800
−1900
−2000
−2100
Stem radius (µm)
Phase duration = 990
Amplitude = −148
Slope = −8e−04
12
00
12
00
Time (Hours)
2023−08−27 to 2023−08−27

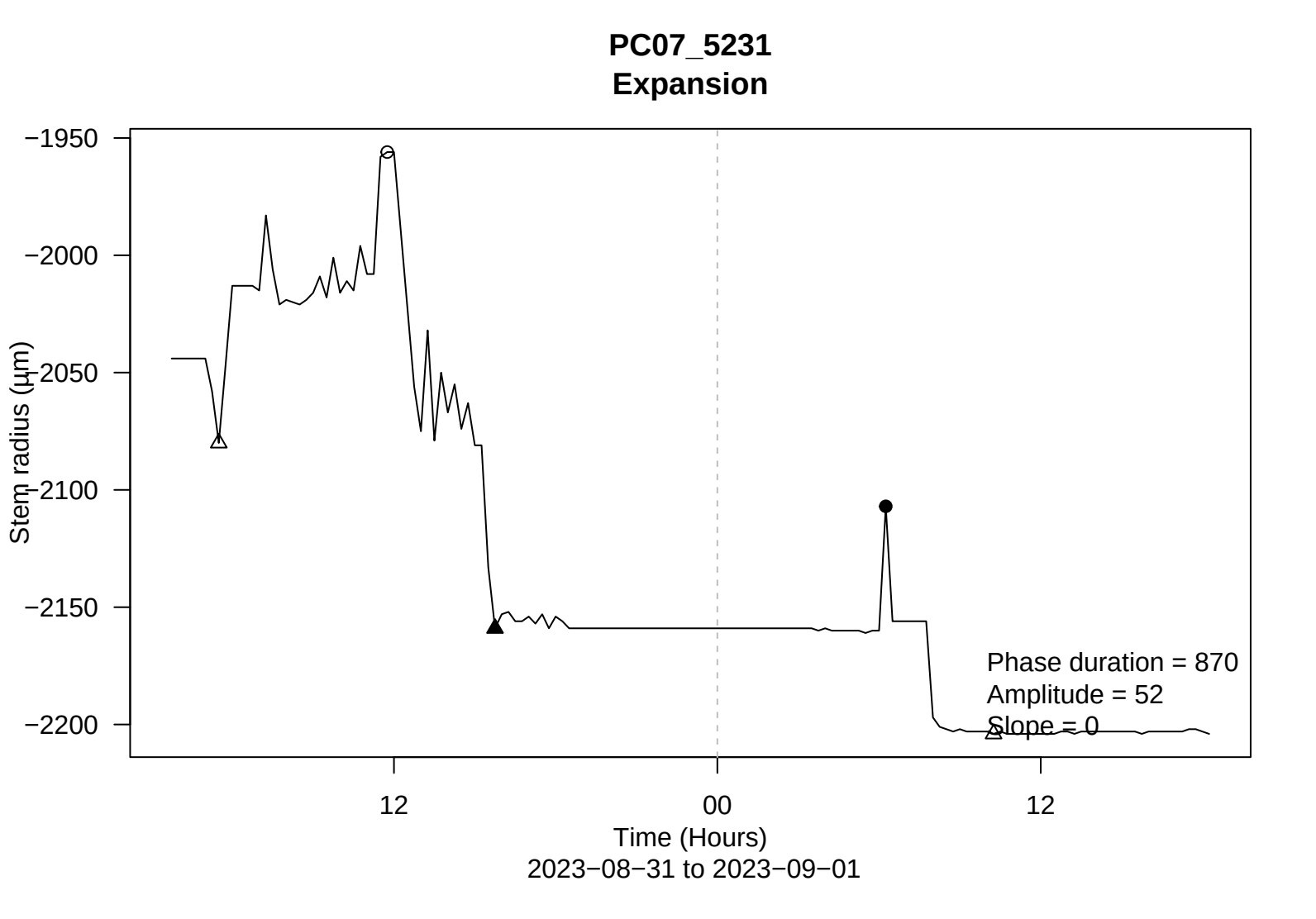

PC07_5231
Expansion
−1800
−1900
−2000
−2100
Stem radius (µm)
Phase duration = 420
Amplitude = 340
Slope = 0.0131
12
00
12
Time (Hours)
2023−08−27 to 2023−08−28

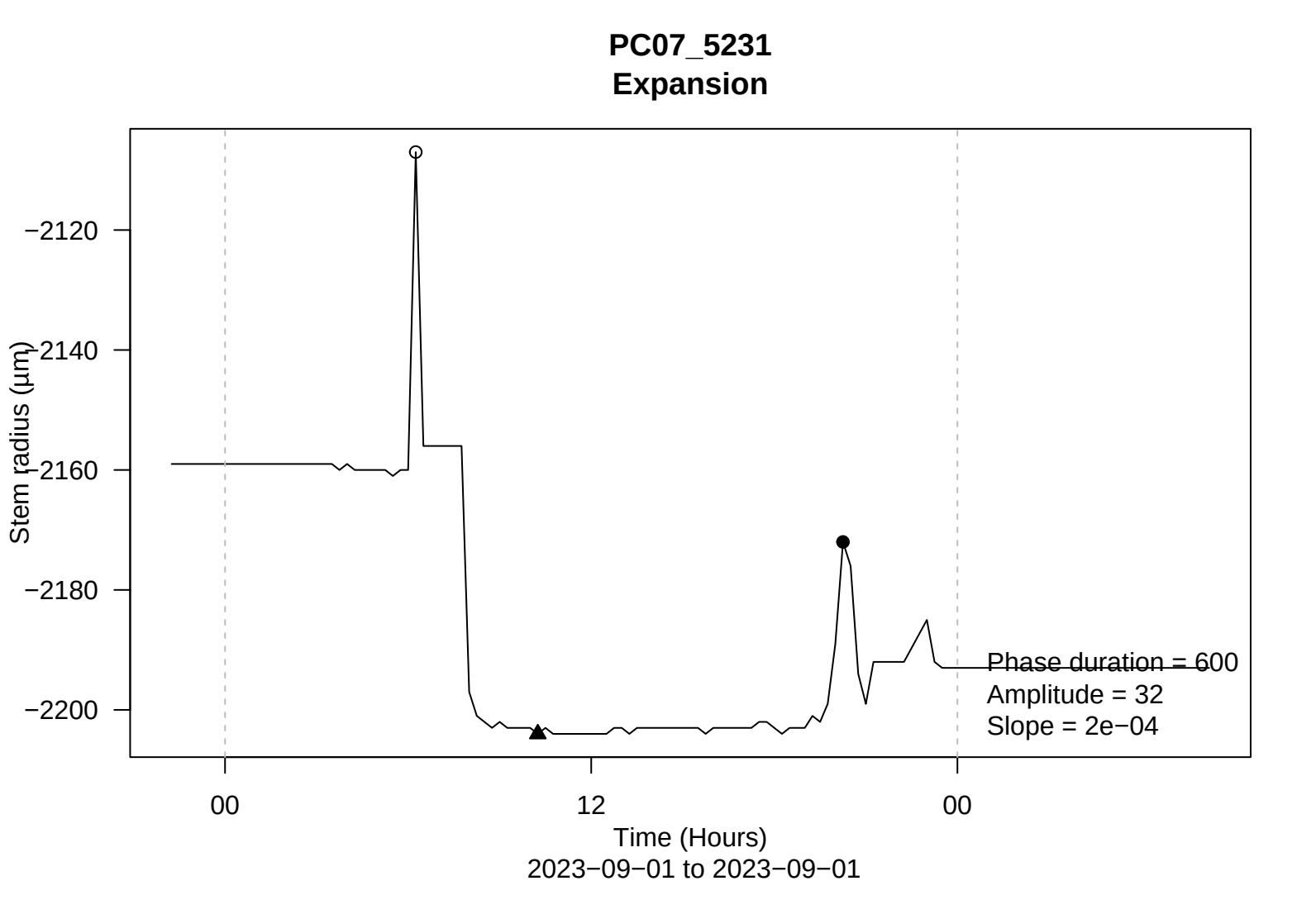

PC07_5231
Shrinkage
−1800
−1900
−2000
−2100
Stem radius (µm)
Phase duration = 255
Amplitude = −442
Slope = −0.0325
12
18
00
06
12
Time (Hours)
2023−08−28 to 2023−08−28

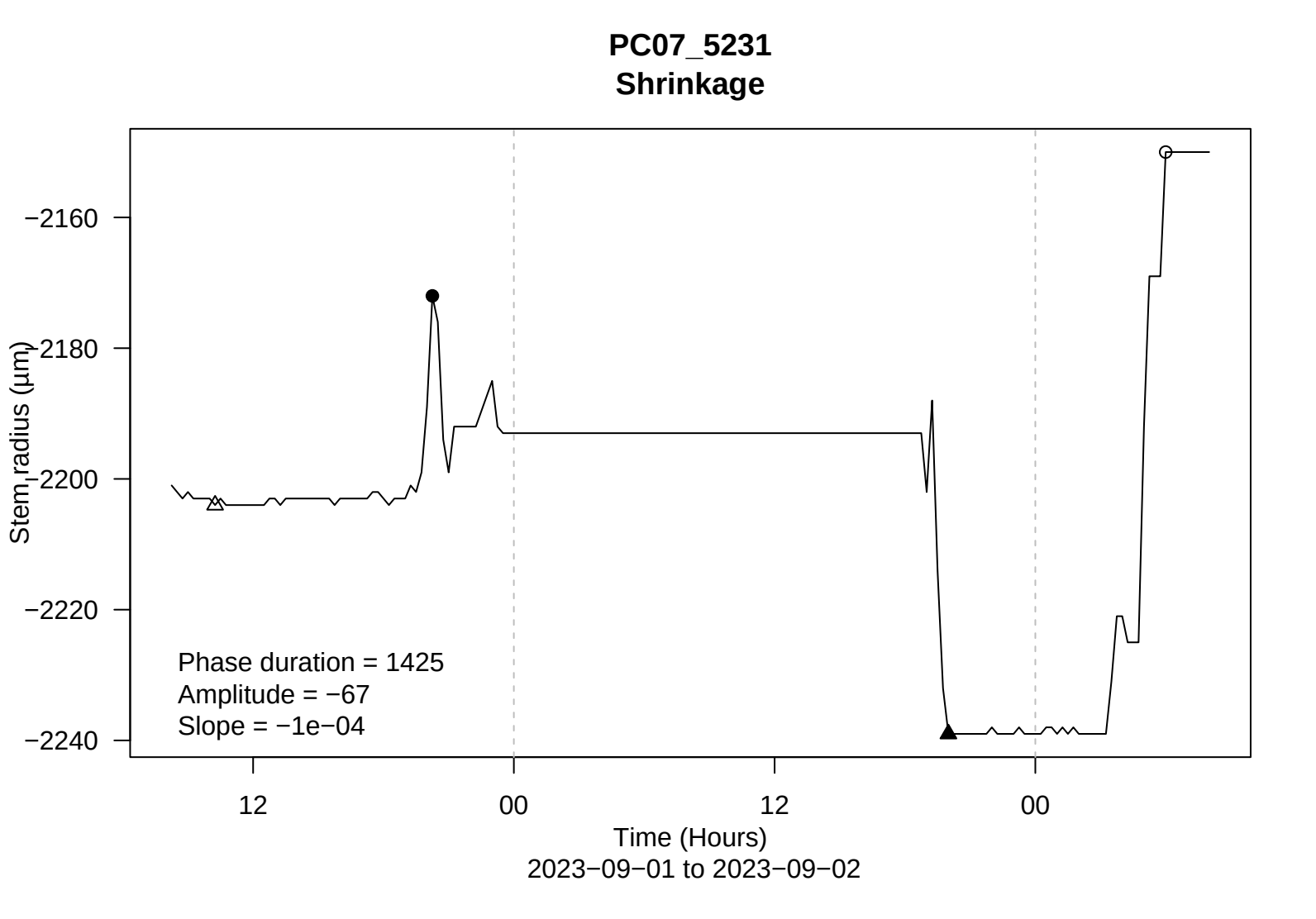

PC07_5231
Expansion
−1800
−1900
−2000
−2100
Stem radius (µm)
Phase duration = 3630
Amplitude = 130
Slope = 2e−04
00
00
00
00
Time (Hours)
2023−08−28 to 2023−08−30

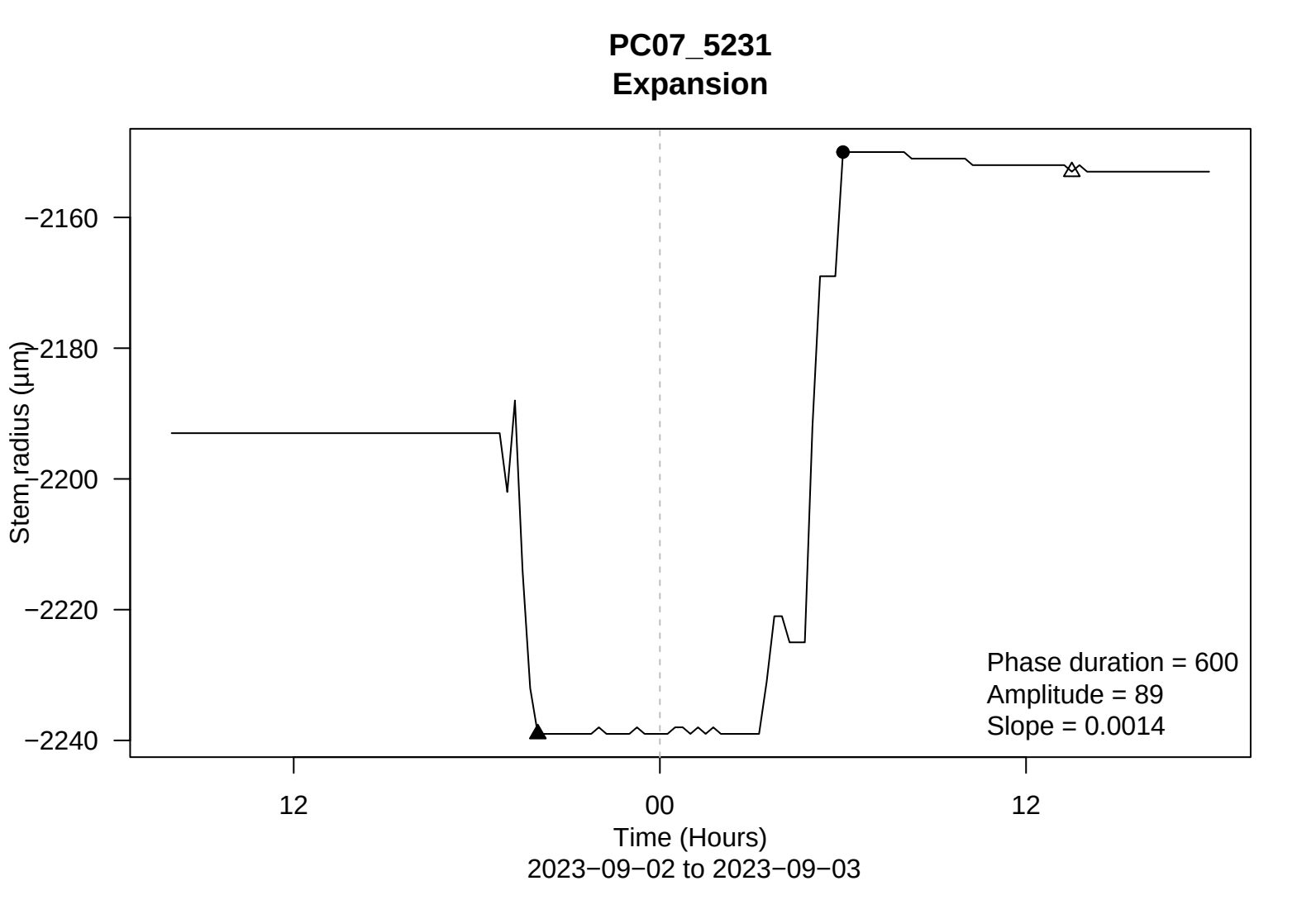

PC07_5231
Shrinkage
−1950
−2000
−2050
−2100
−2150
Stem radius (µm)
Phase duration = 765
Amplitude = −38
Slope = −1e−04
12
00
12
Time (Hours)
2023−08−30 to 2023−08−31

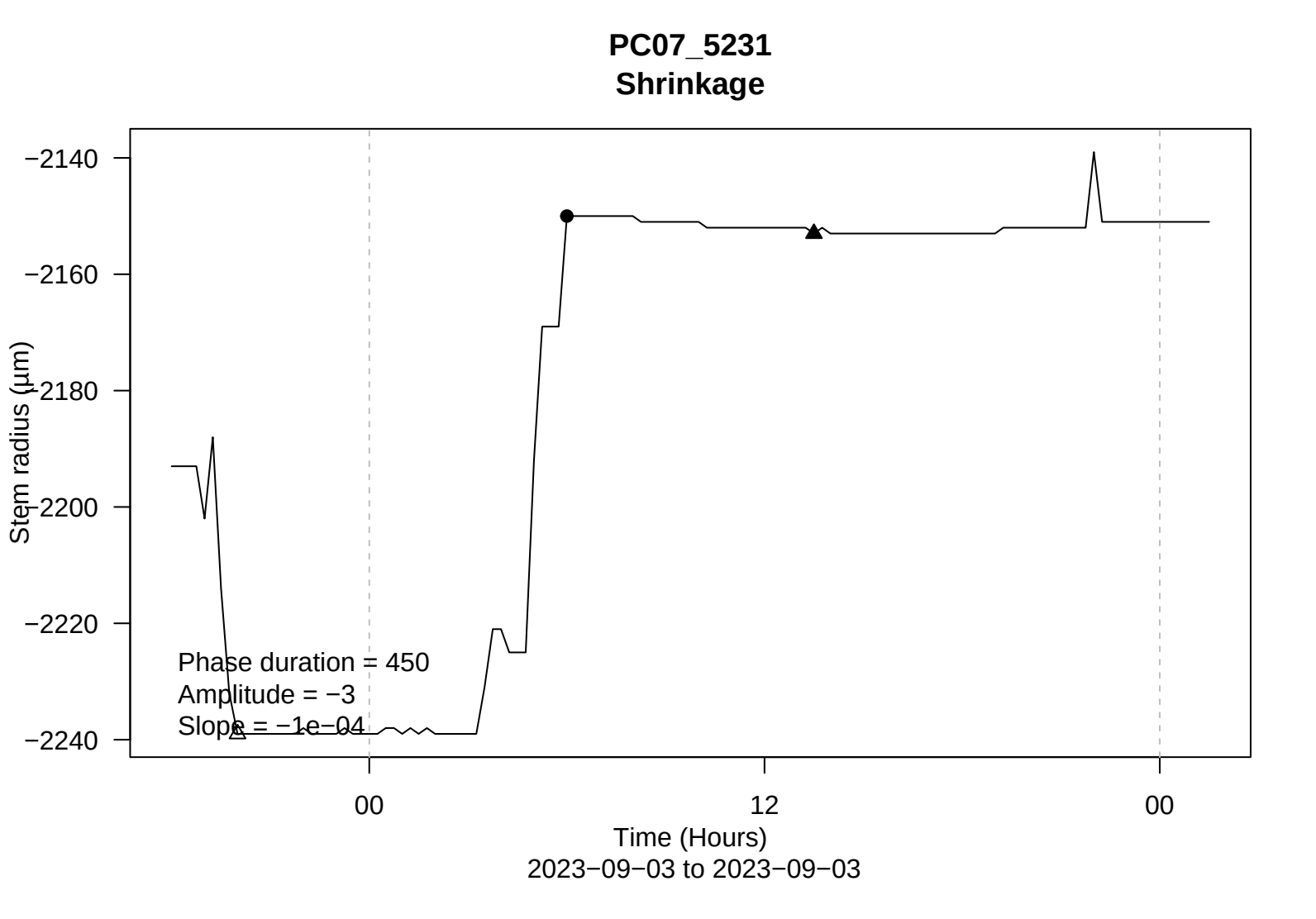

PC07_5231
Expansion
−1950
−2000
−2050
−2100
−2150
Stem radius (µm)
Phase duration = 375
Amplitude = 124
Slope = 0.0021
00
12
00
Time (Hours)
2023−08−31 to 2023−08−31

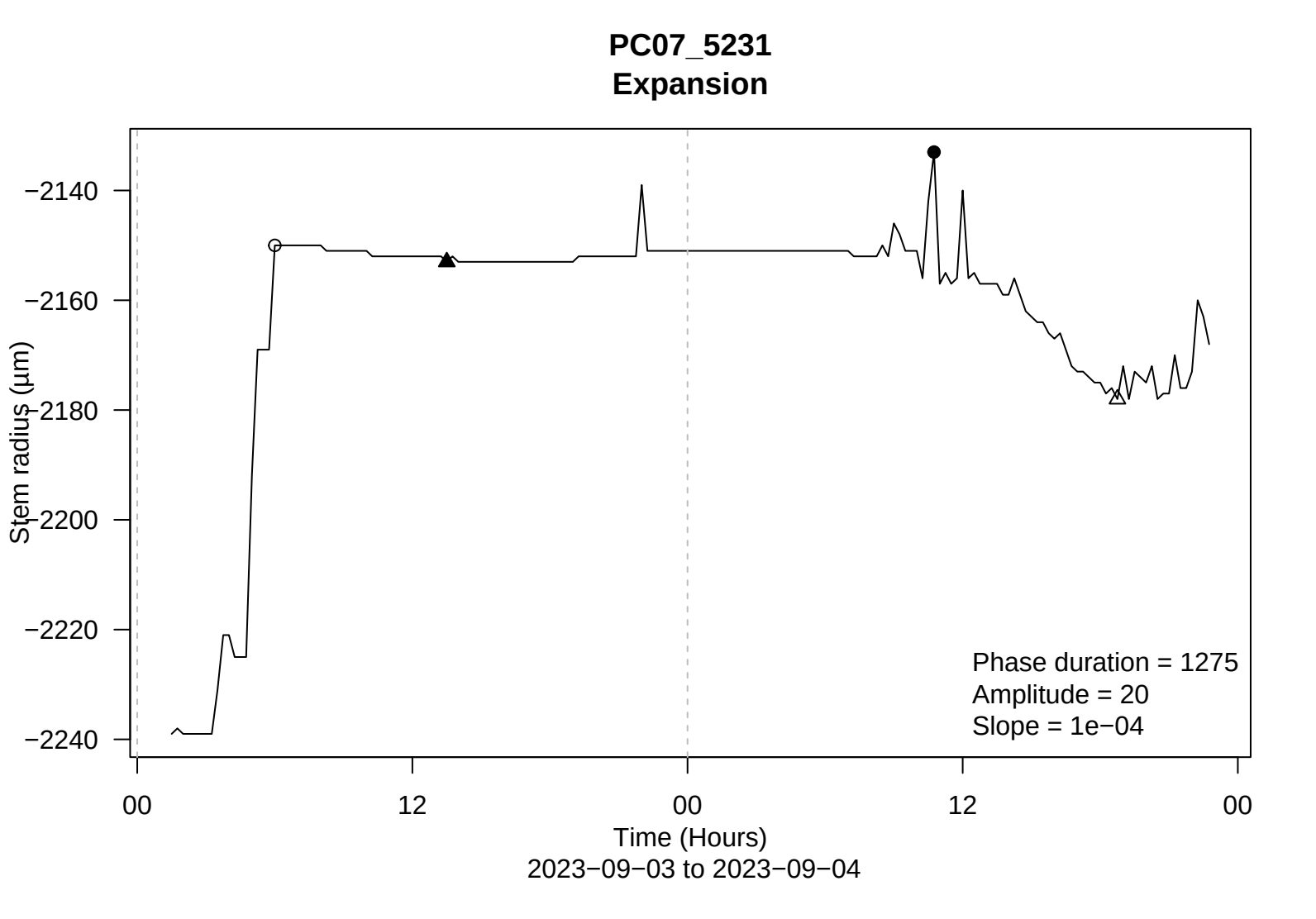

PC07_5231
Expansion
−1950
−2000
−2050
−2100
−2150
−2200
Stem radius (µm)
12
00
12
Time (Hours)
2023−08−31 to 2023−09−01
Phase duration = 870
Amplitude = 52
Slope = 0

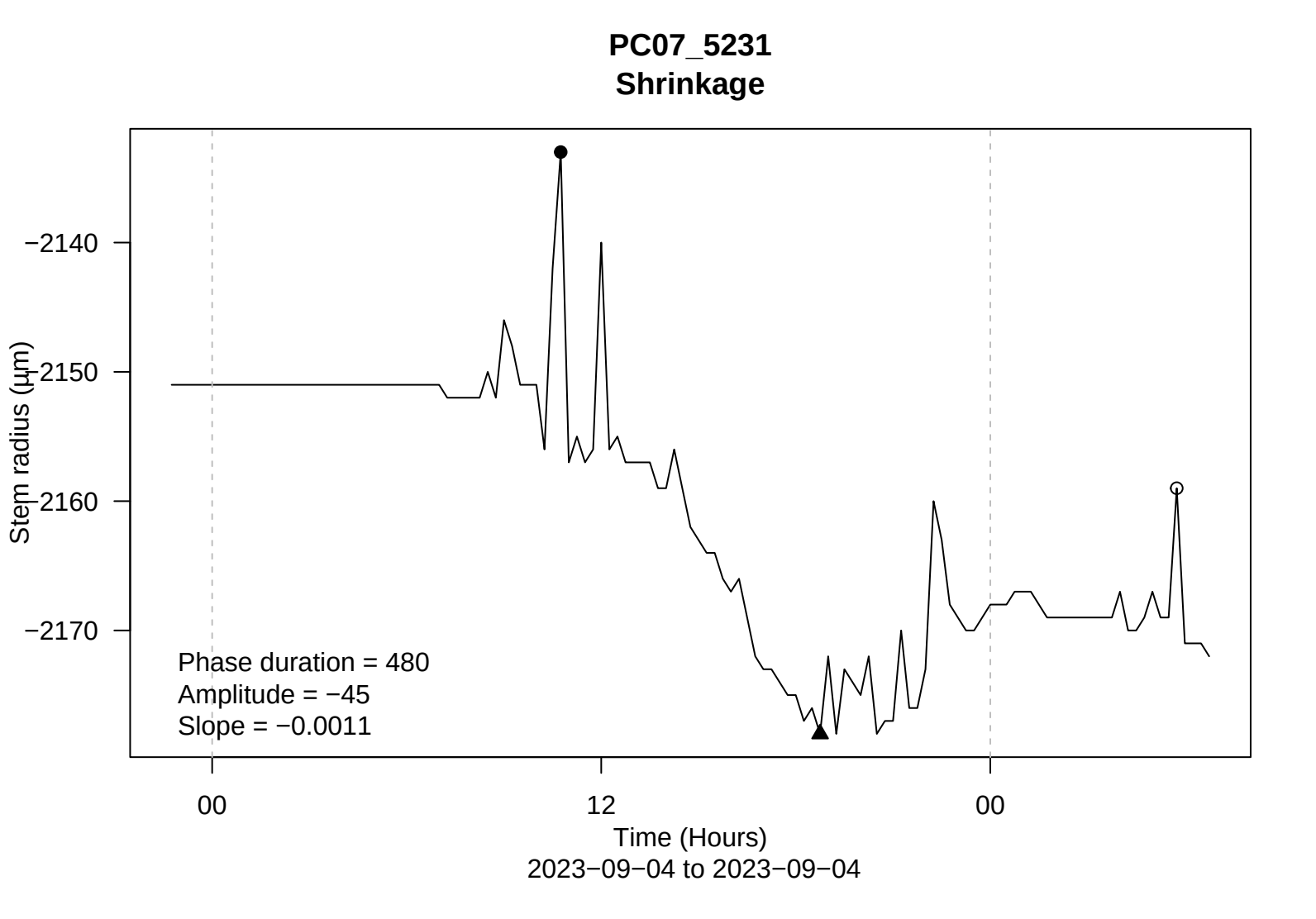

PC07_5231
Expansion
−2120
−2140
−2160
−2180
−2200
Stem radius (µm)
Phase duration = 600
Amplitude = 32
Slope = 2e−04
00
12
00
Time (Hours)
2023−09−01 to 2023−09−01

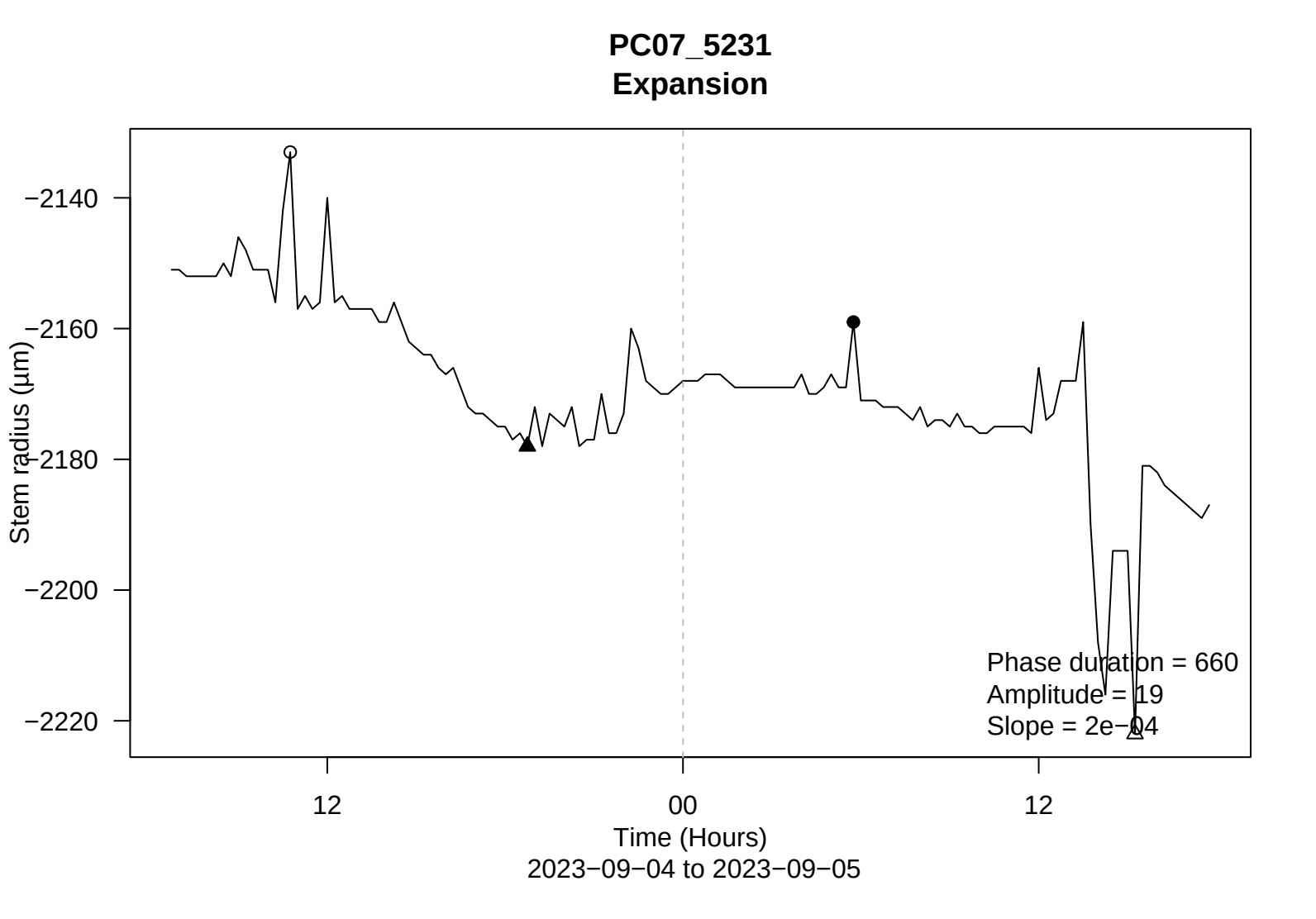

PC07_5231
Shrinkage
−2160
−2180
−2200
−2220
−2240
Stem radius (µm)
Phase duration = 1425
Amplitude = −67
Slope = −1e−04
12
00
12
00
Time (Hours)
2023−09−01 to 2023−09−02

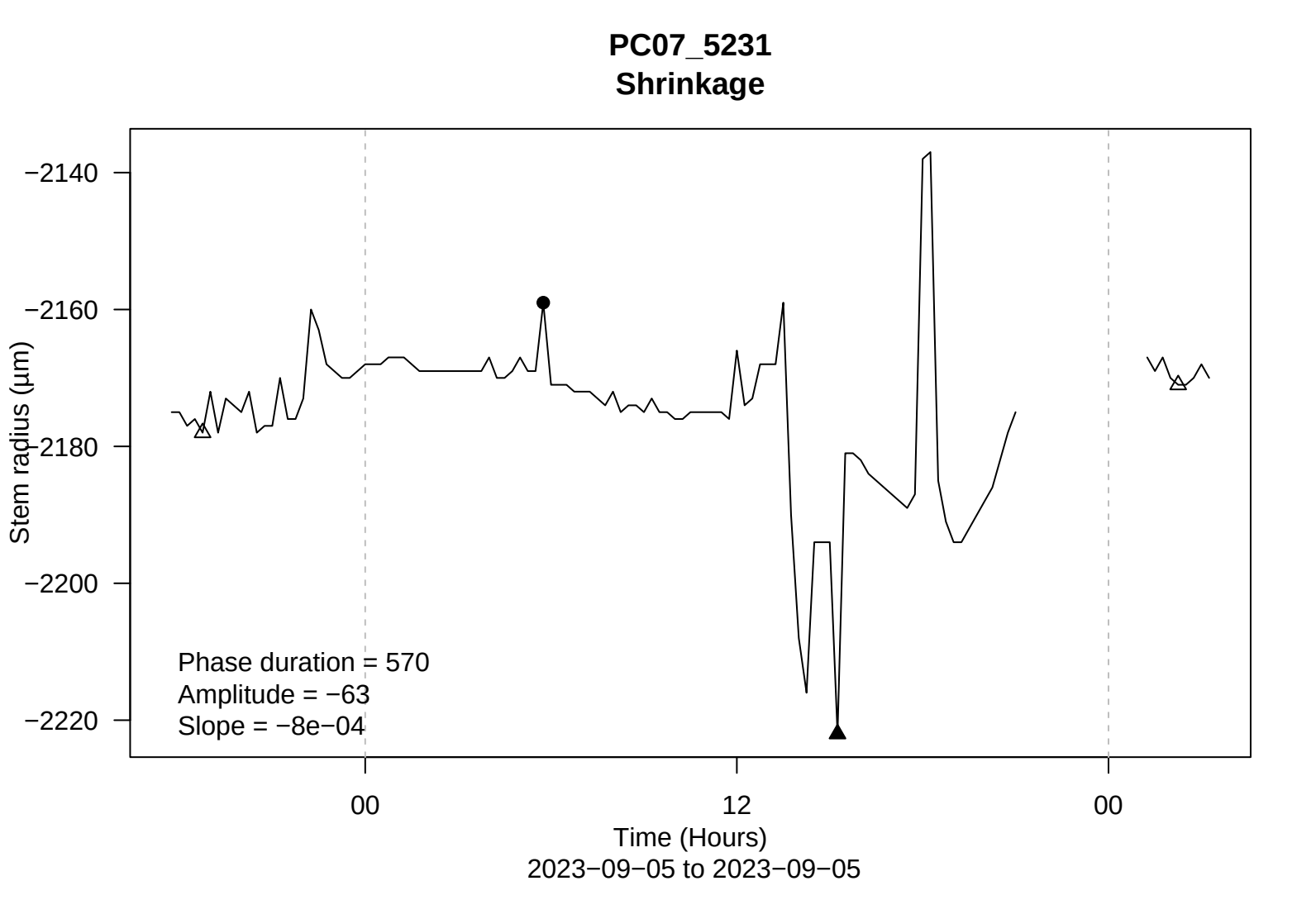

PC07_5231
Expansion
−2160
−2180
−2200
−2220
−2240
Stem radius (µm)
Phase duration = 600
Amplitude = 89
Slope = 0.0014
12
00
12
Time (Hours)
2023−09−02 to 2023−09−03

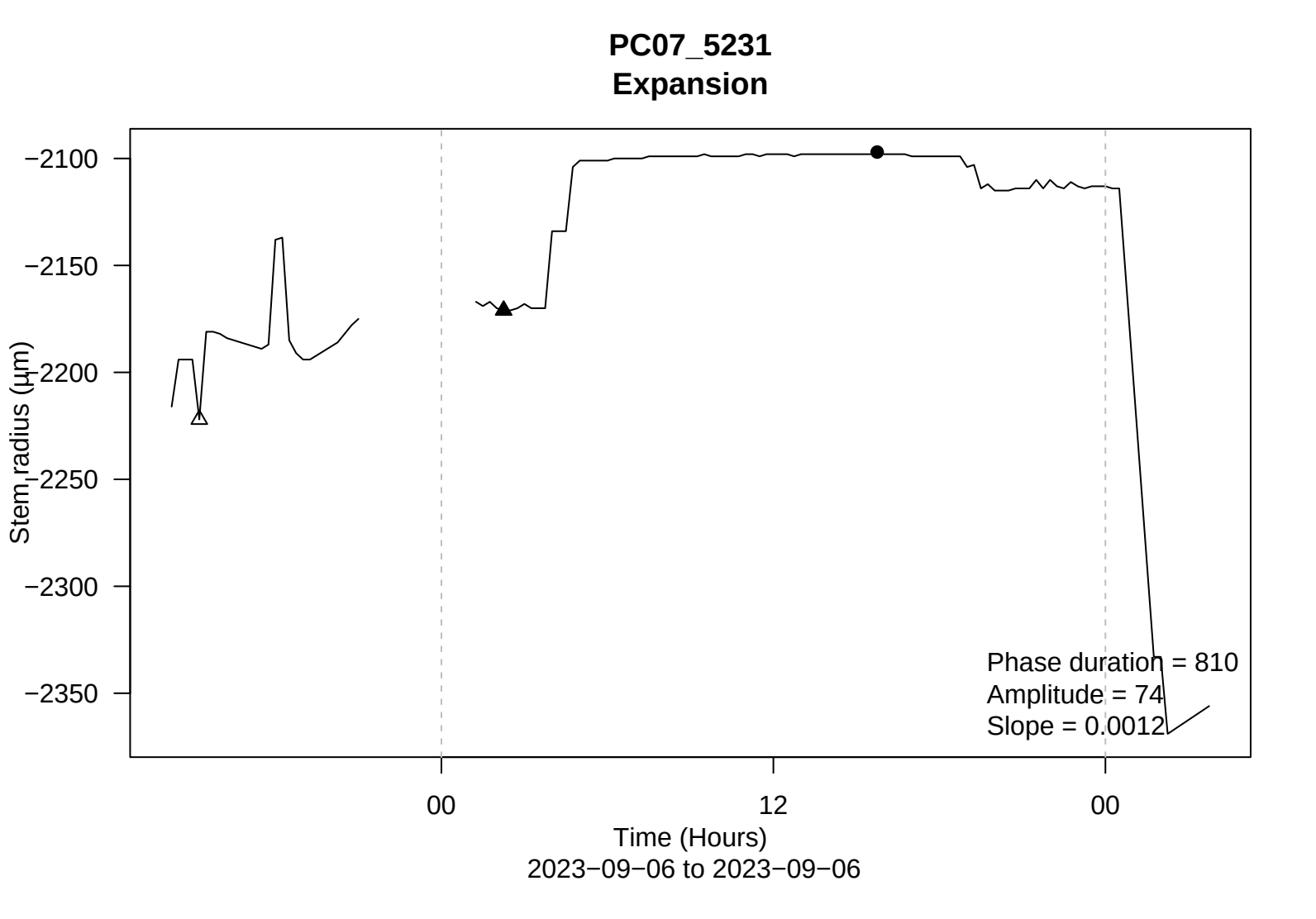

PC07_5231
Shrinkage
−2140
−2160
−2180
−2200
−2220
−2240
Stem radius (µm)
Phase duration = 450
Amplitude = −3
Slope = −1e−04
00
12
00
Time (Hours)
2023−09−03 to 2023−09−03

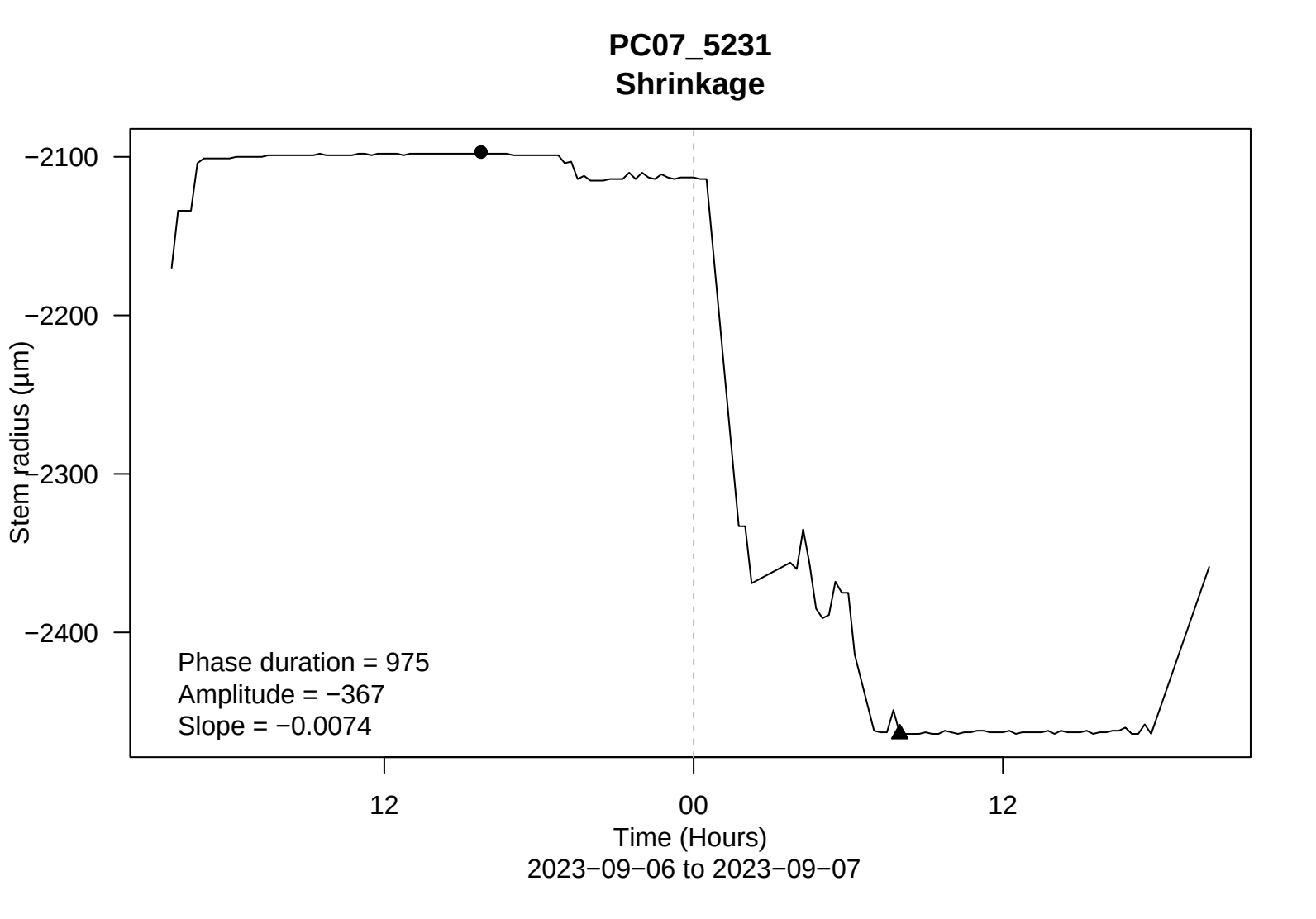

PC07_5231
Expansion
−2140
−2160
−2180
−2200
−2220
−2240
Stem radius (µm)
Phase duration = 1275
Amplitude = 20
Slope = 1e−04
00
12
00
12
00
Time (Hours)
2023−09−03 to 2023−09−04

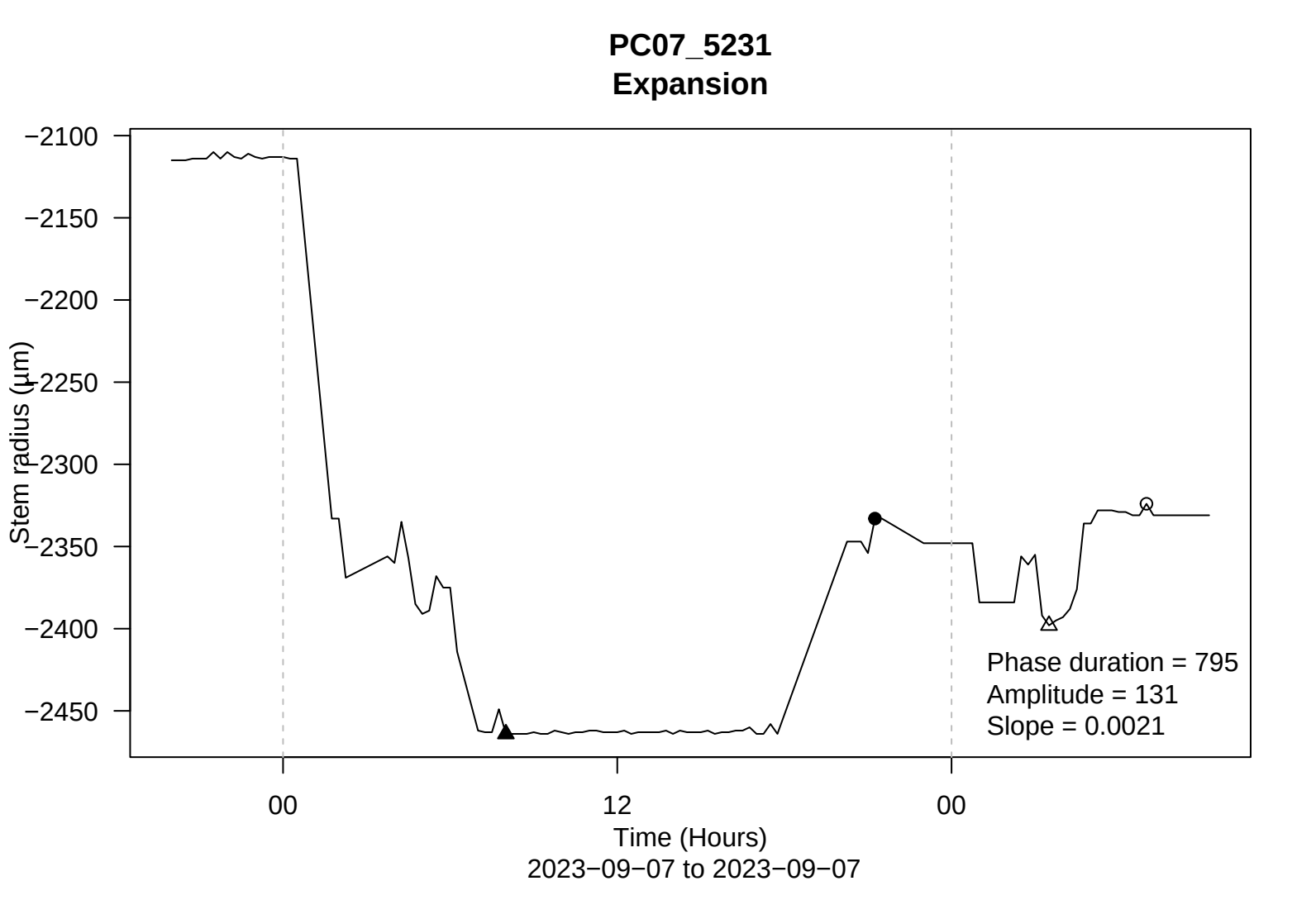

PC07_5231
Shrinkage
−2140
−2150
−2160
−2170
Stem radius (µm)
Phase duration = 480
Amplitude = −45
Slope = −0.0011
00
12
00
Time (Hours)
2023−09−04 to 2023−09−04

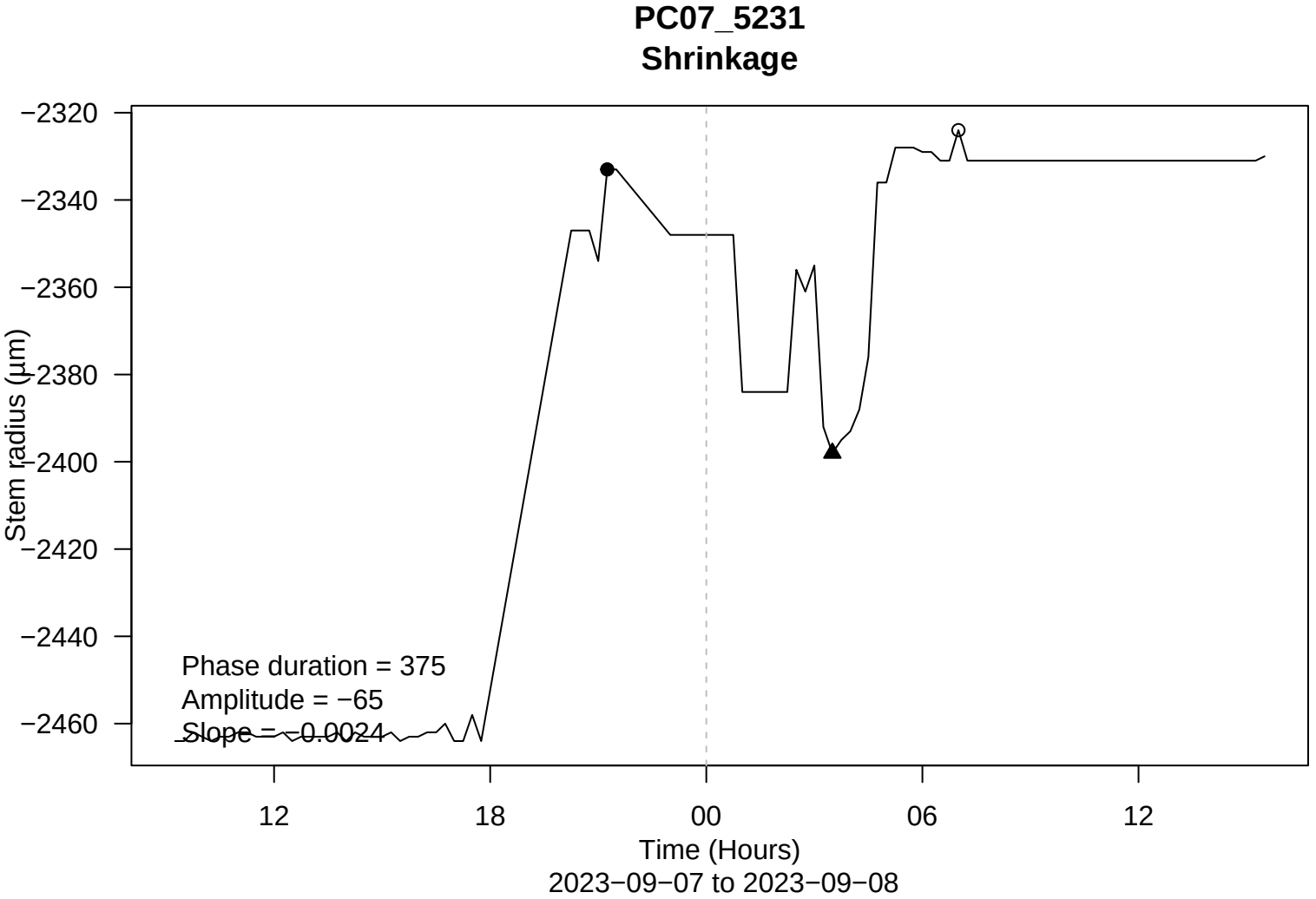

PC07_5231
Expansion
−2140
−2160
−2180
−2200
−2220
Stem radius (µm)
12
00
12
Time (Hours)
2023−09−04 to 2023−09−05
Phase duration = 660
Amplitude = 19
Slope = 2e−04

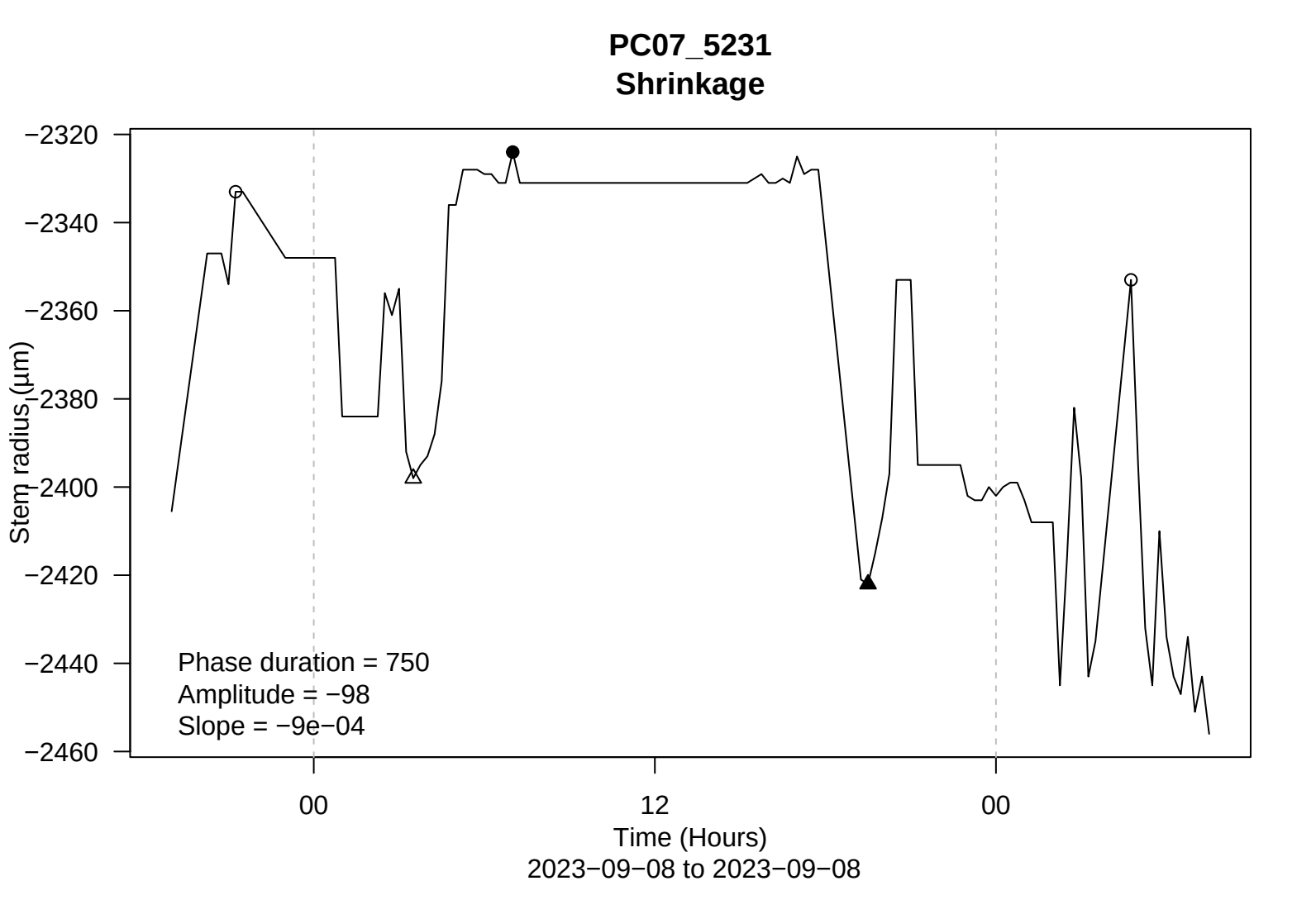

PC07_5231
Shrinkage
−2140
−2160
−2180
−2200
−2220
Stem radius (µm)
Phase duration = 570
Amplitude = −63
Slope = −8e−04
00
12
00
Time (Hours)
2023−09−05 to 2023−09−05

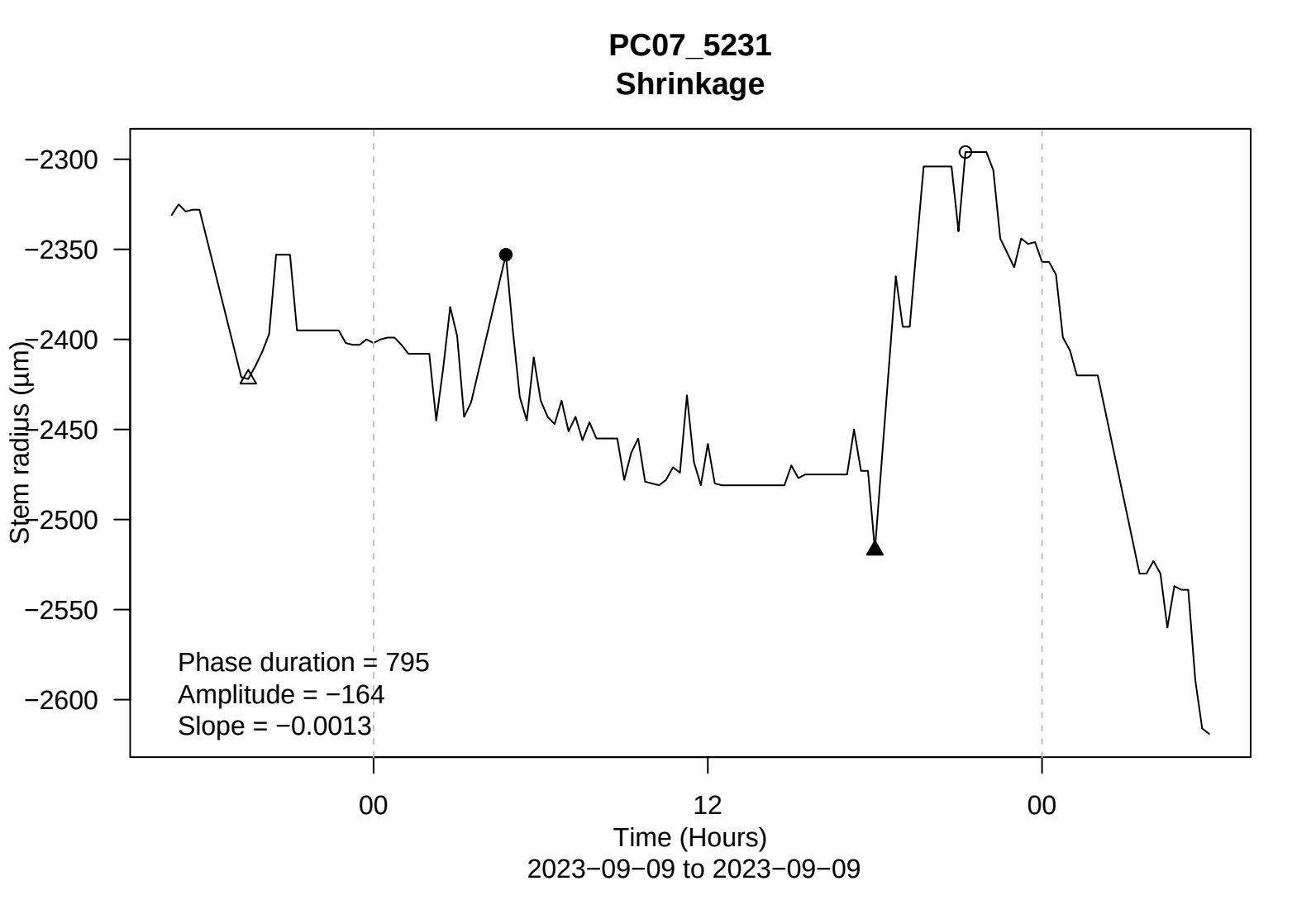

PC07_5231
Expansion
−2100
−2150
−2200
−2250
−2300
−2350
Stem radius (µm)
Phase duration = 810
Amplitude = 74
Slope = 0.0012
00
12
00
Time (Hours)
2023−09−06 to 2023−09−06

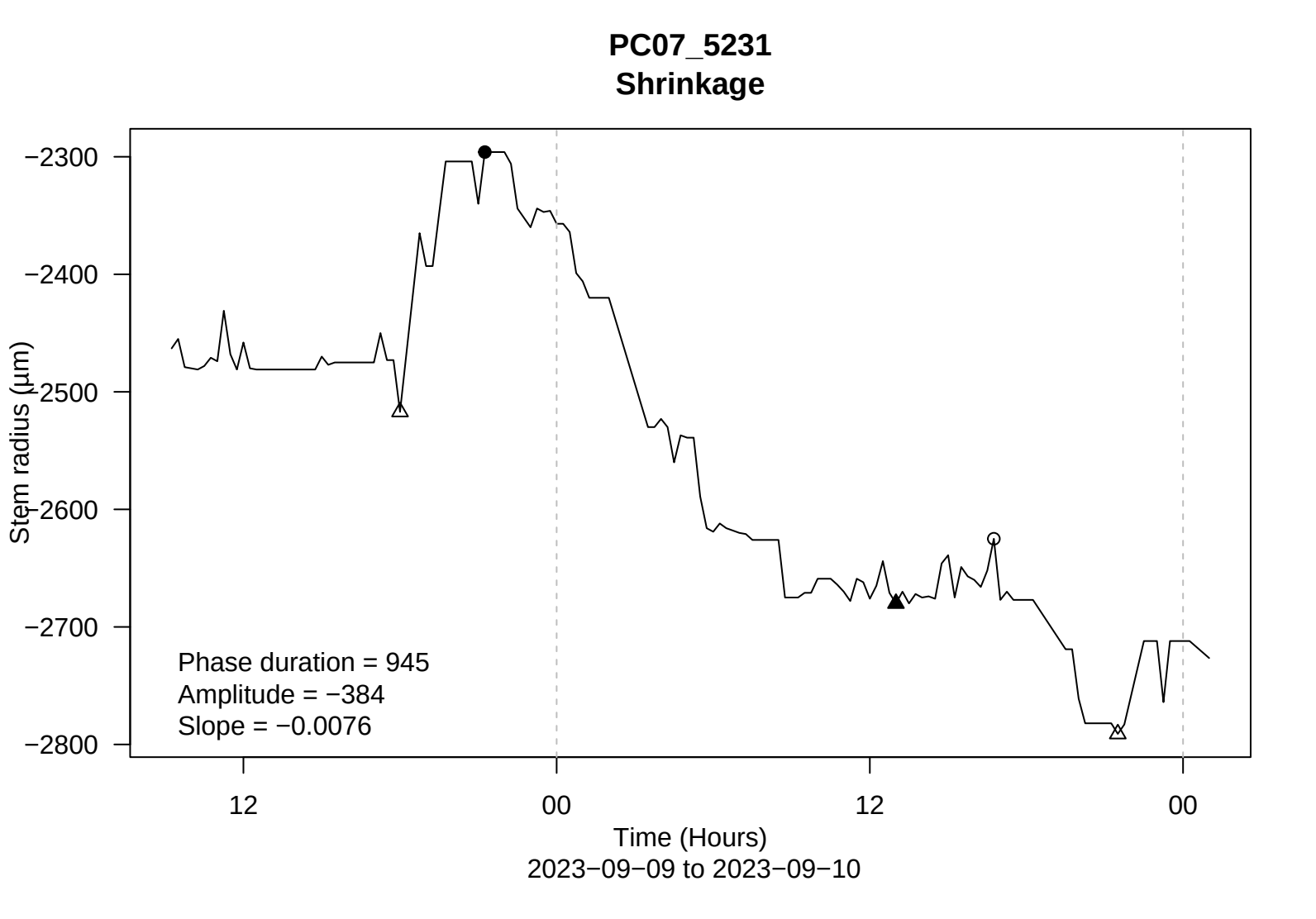

PC07_5231
Shrinkage
−2100
−2200
−2300
−2400
Stem radius (µm)
Phase duration = 975
Amplitude = −367
Slope = −0.0074
12
00
12
Time (Hours)
2023−09−06 to 2023−09−07

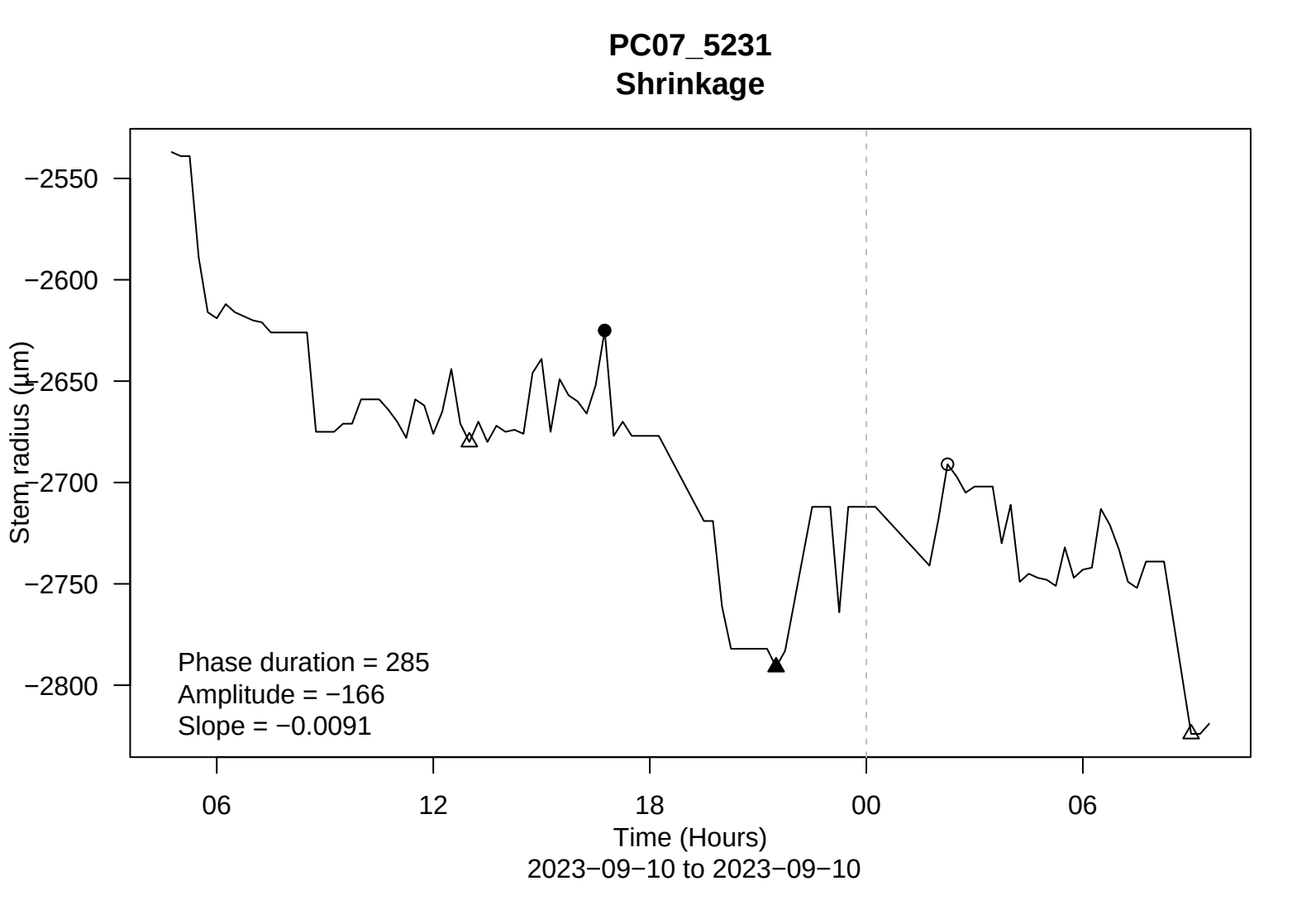

PC07_5231
Expansion
−2100
−2150
−2200
−2250
−2300
−2350
−2400
−2450
Stem radius (µm)
Phase duration = 795
Amplitude = 131
Slope = 0.0021
00
12
00
Time (Hours)
2023−09−07 to 2023−09−07

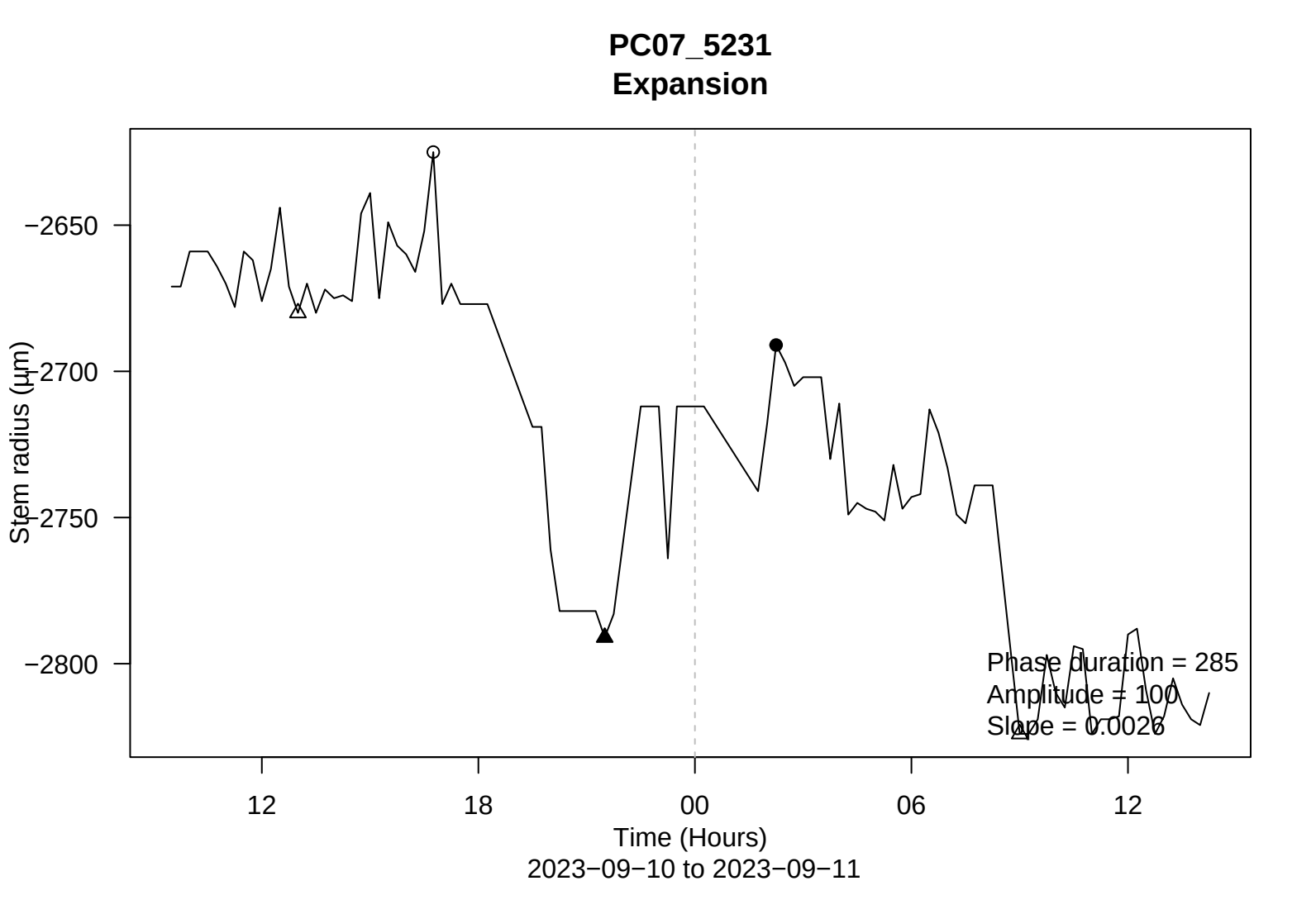

PC07_5231
Shrinkage
−2320
−2340
−2360
−2380
−2400
−2420
−2440
−2460
Stem radius (µm)
Phase duration = 375
Amplitude = −65
Slope = −0.0024
12
18
00
06
12
Time (Hours)
2023−09−07 to 2023−09−08

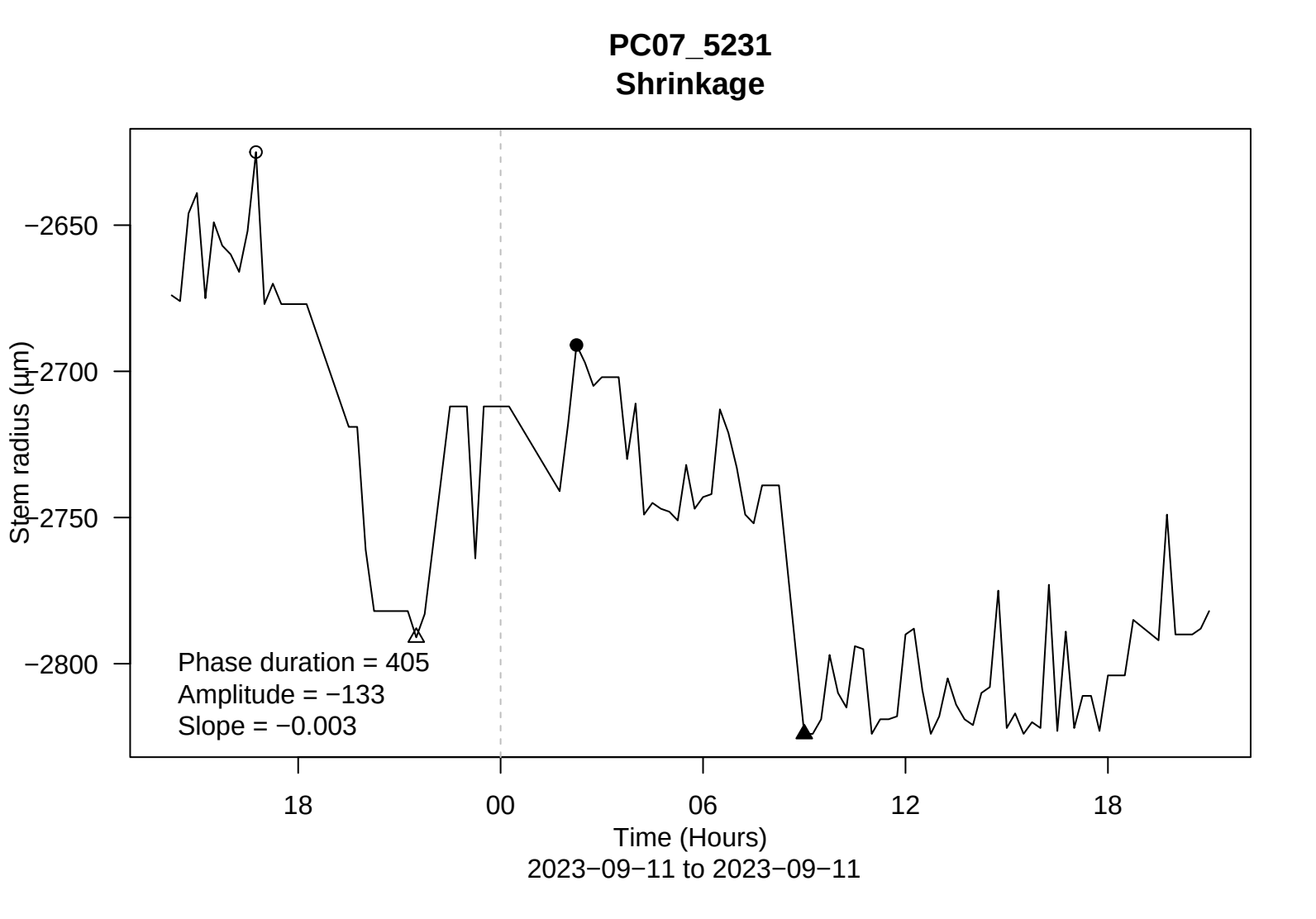

PC07_5231
Shrinkage
−2320
−2340
−2360
−2380
−2400
−2420
−2440
−2460
Stem radius I (µm)
Phase duration = 750
Amplitude = −98
Slope = −9e−04
00
12
00
Time (Hours)
2023−09−08 to 2023−09−08

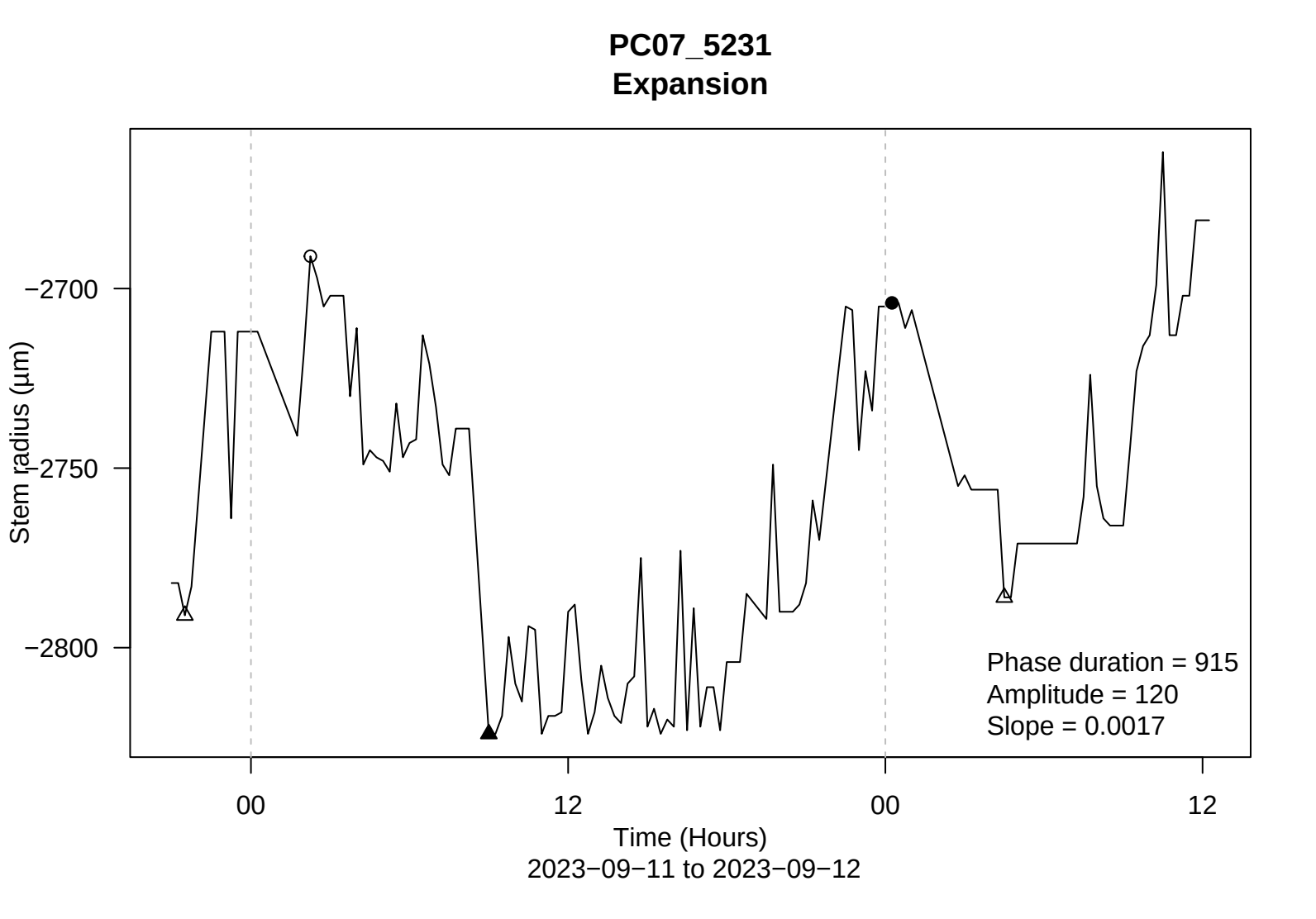

PC07_5231
Shrinkage
−2300
−2350
−2400
−2450
−2500
−2550
−2600
Stem radius (µm)
Phase duration = 795
Amplitude = −164
Slope = −0.0013
00
12
00
Time (Hours)
2023−09−09 to 2023−09−09

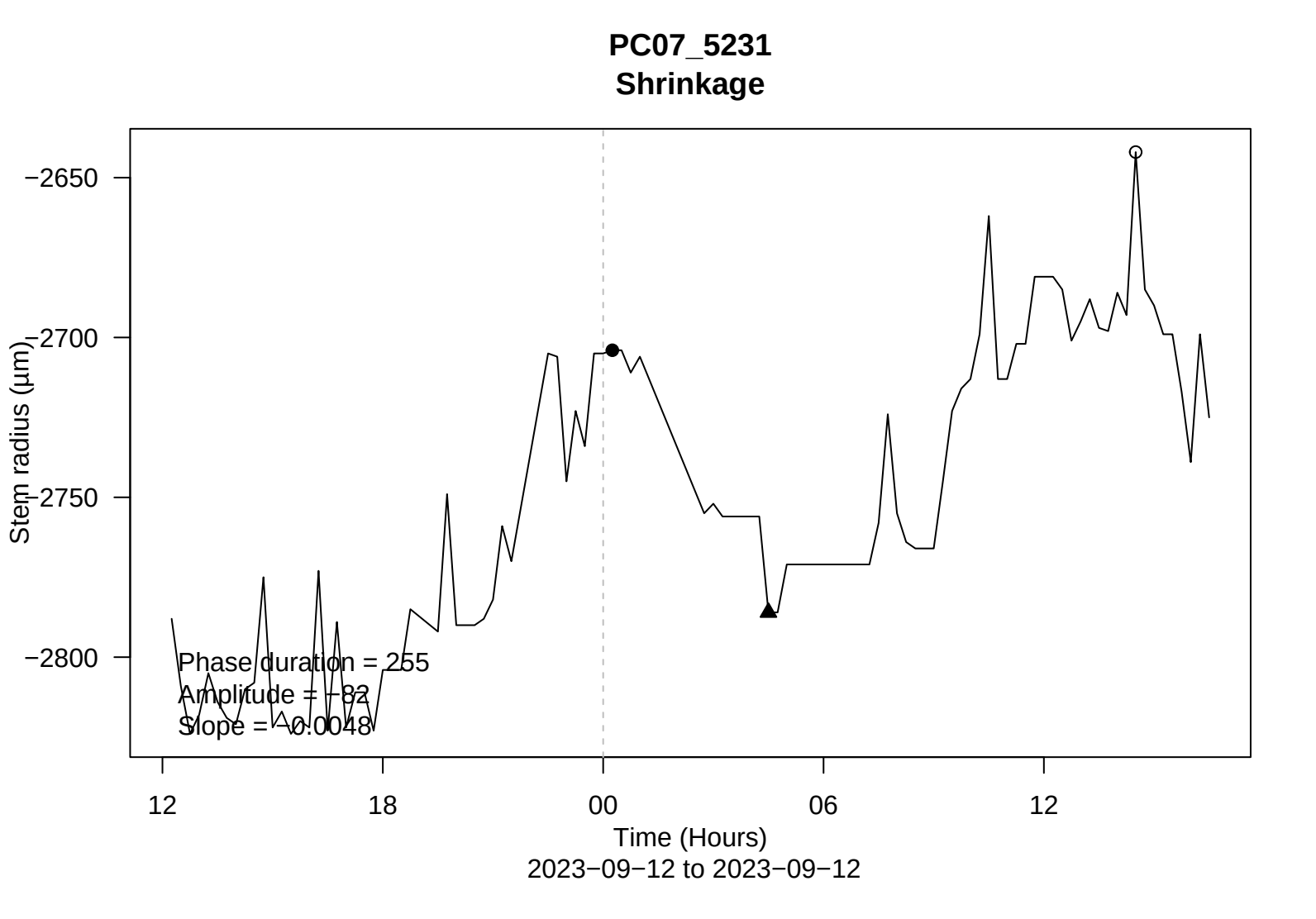

PC07_5231
Shrinkage
−2300
−2400
−2500
−2600
−2700
−2800
Stem radius (µm)
Phase duration = 945
Amplitude = −384
Slope = −0.0076
12
00
12
00
Time (Hours)
2023−09−09 to 2023−09−10

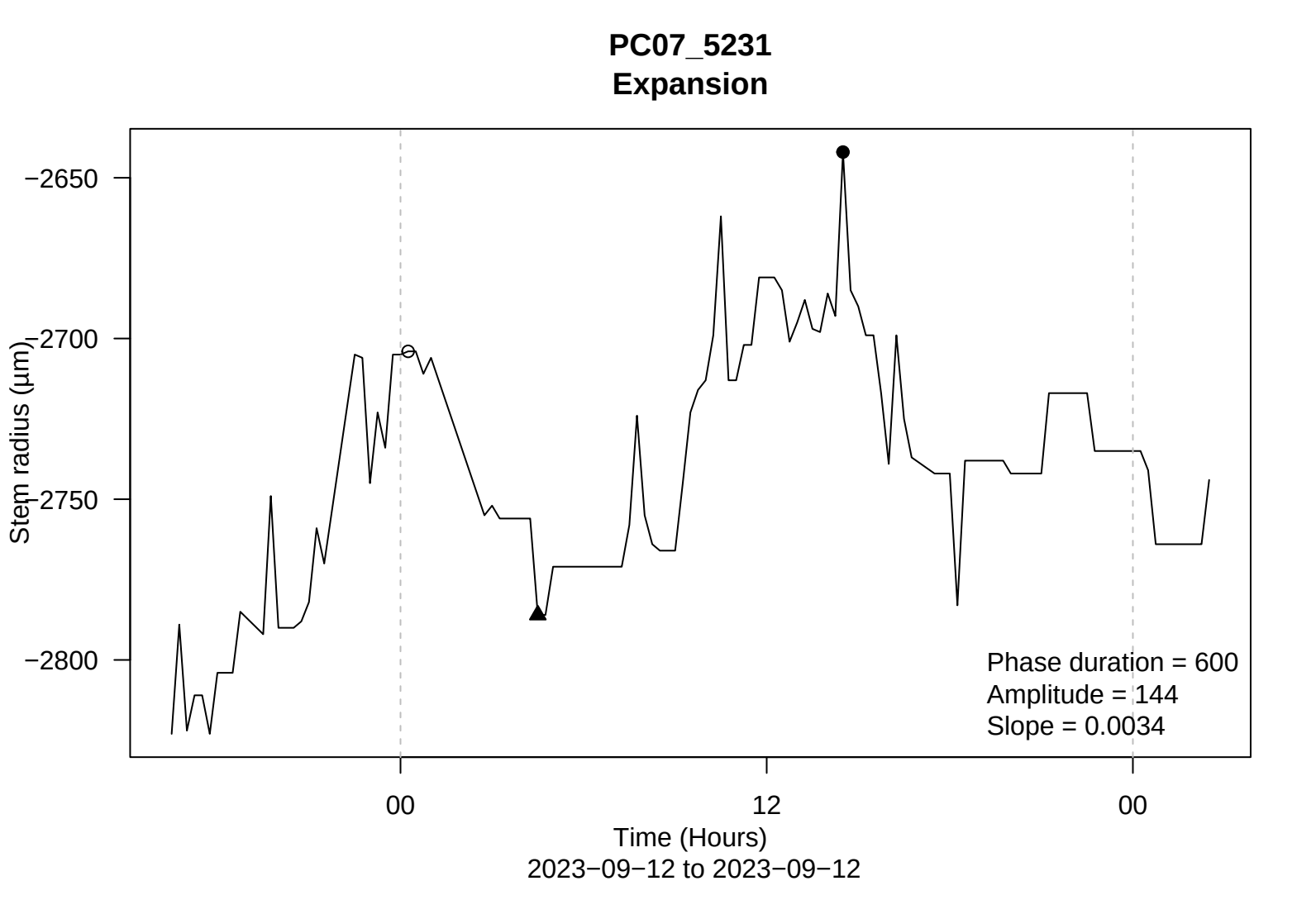

PC07_5231
Shrinkage
−2550
−2600
−2650
−2700
−2750
−2800
Stem radius (µm)
Phase duration = 285
Amplitude = −166
Slope = −0.0091
06
12
18
00
06
Time (Hours)
2023−09−10 to 2023−09−10

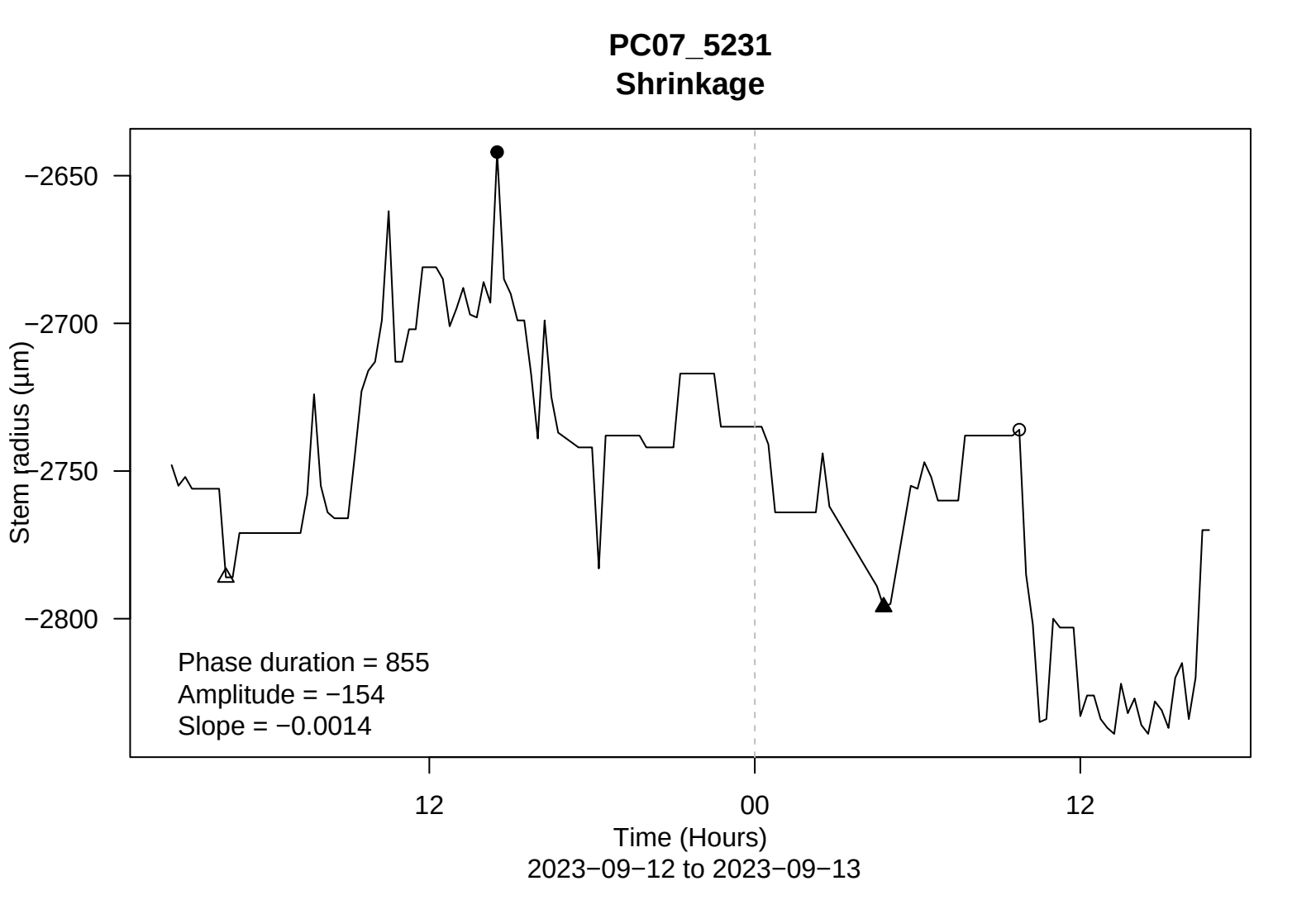

PC07_5231
Expansion
−2650
−2700
−2750
−2800
Stem radius (µm)
12
18
00
06
12
Time (Hours)
2023−09−10 to 2023−09−11
Phase duration = 285
Amplitude = 100
Slope = 0.0026

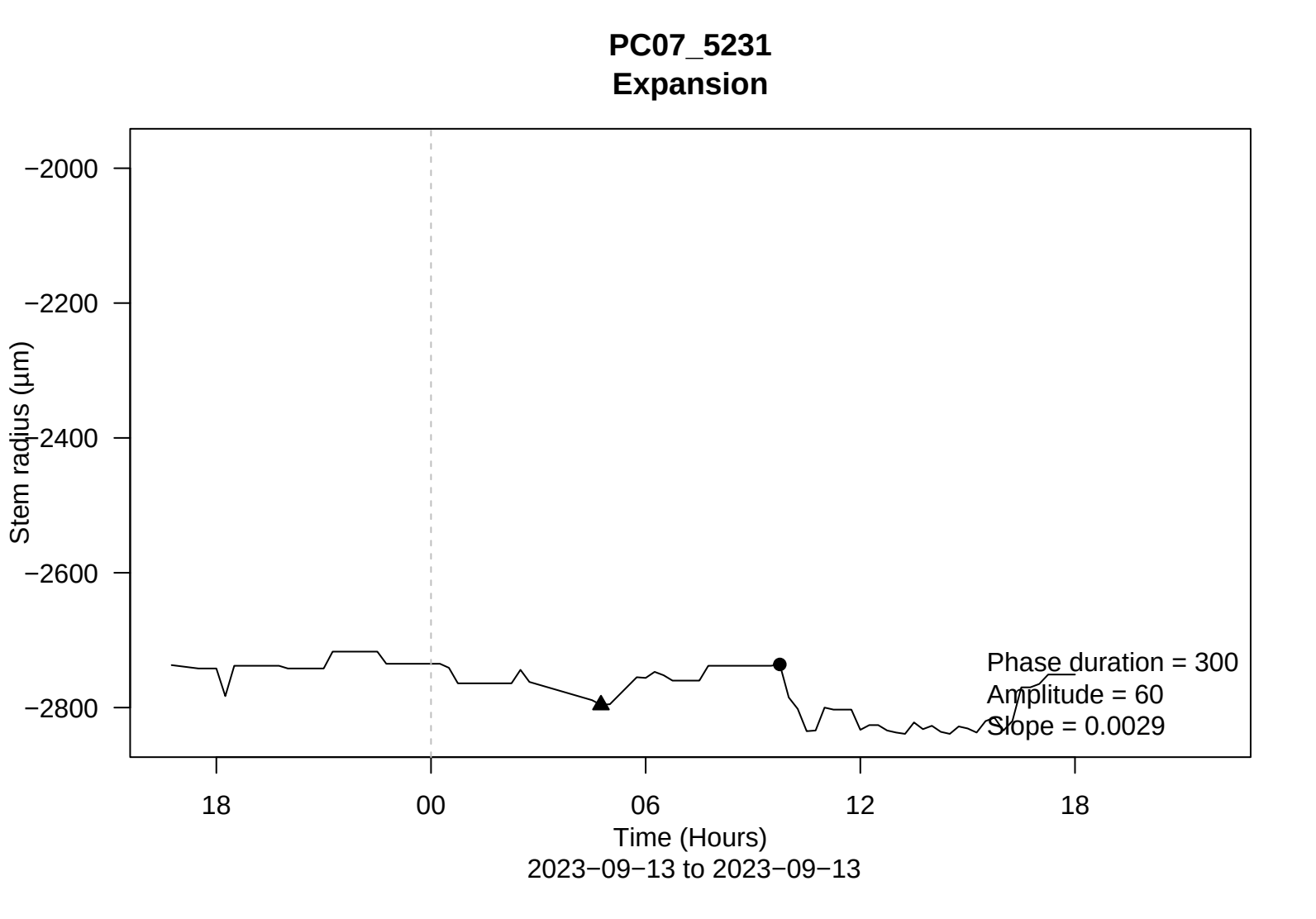

PC07_5231
Shrinkage
−2650
−2700
−2750
−2800
Stem radius (µm)
Phase duration = 405
Amplitude = −133
Slope = −0.003
18
00
06
12
18
Time (Hours)
2023−09−11 to 2023−09−11

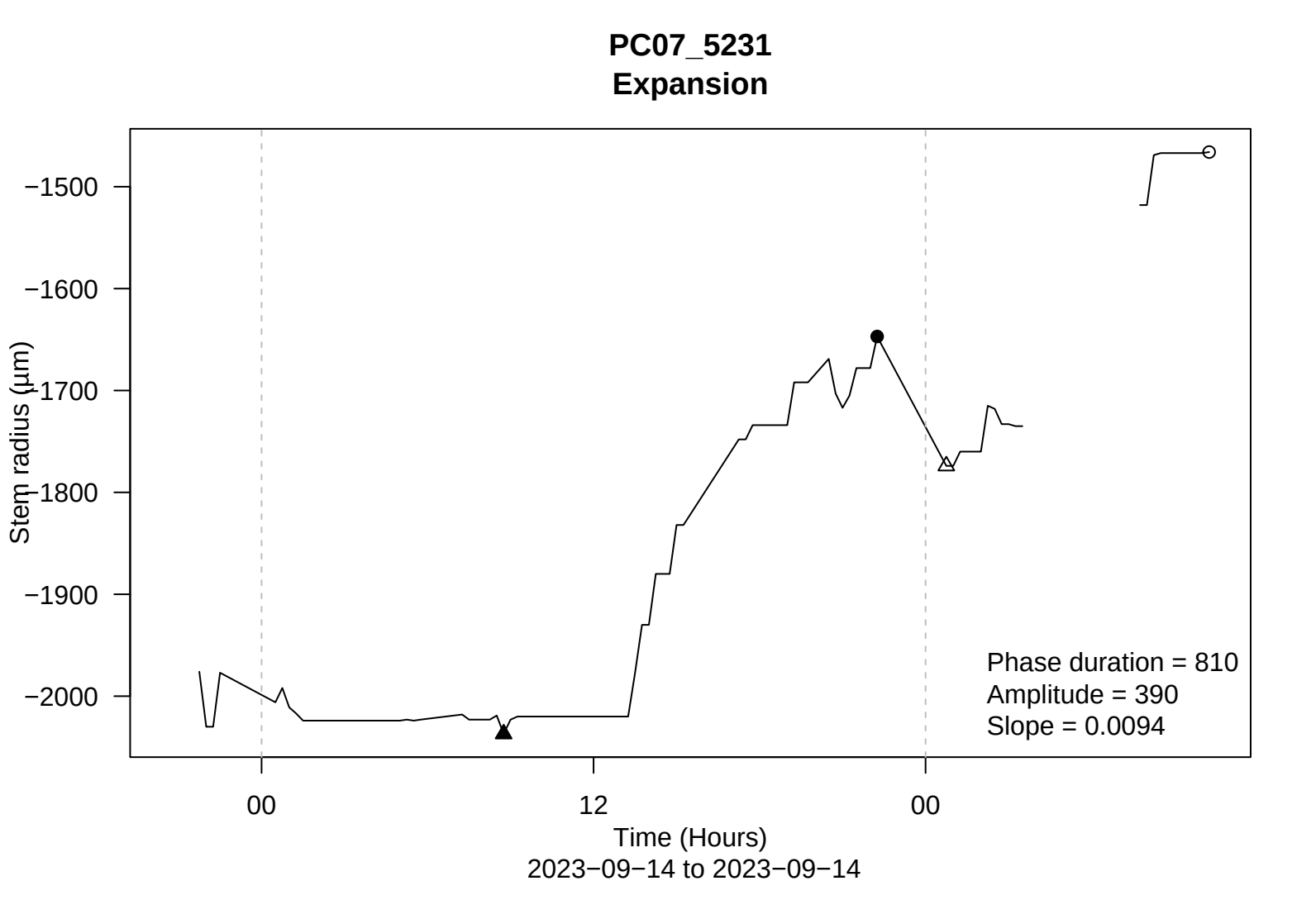

PC07_5231
Expansion
−2700
−2750
−2800
Stem radius (µm)
Phase duration = 915
Amplitude = 120
Slope = 0.0017
00
12
00
12
Time (Hours)
2023−09−11 to 2023−09−12

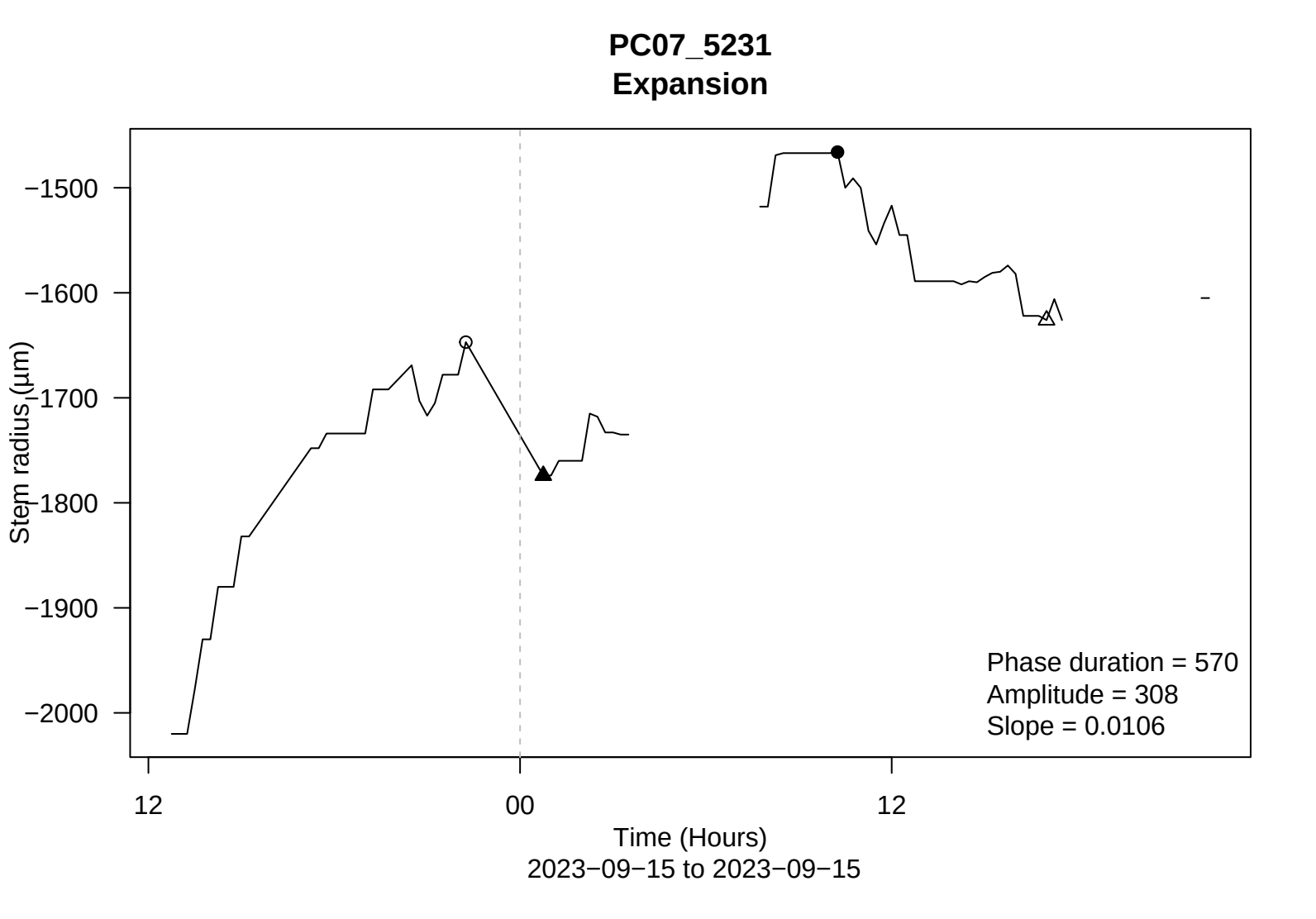

PC07_5231
Shrinkage
−2650
−2700
−2750
−2800
Stem radius (µm)
Phase duration = 255
Amplitude = −82
Slope = −0.048
12
18
00
06
12
Time (Hours)
2023−09−12 to 2023−09−12

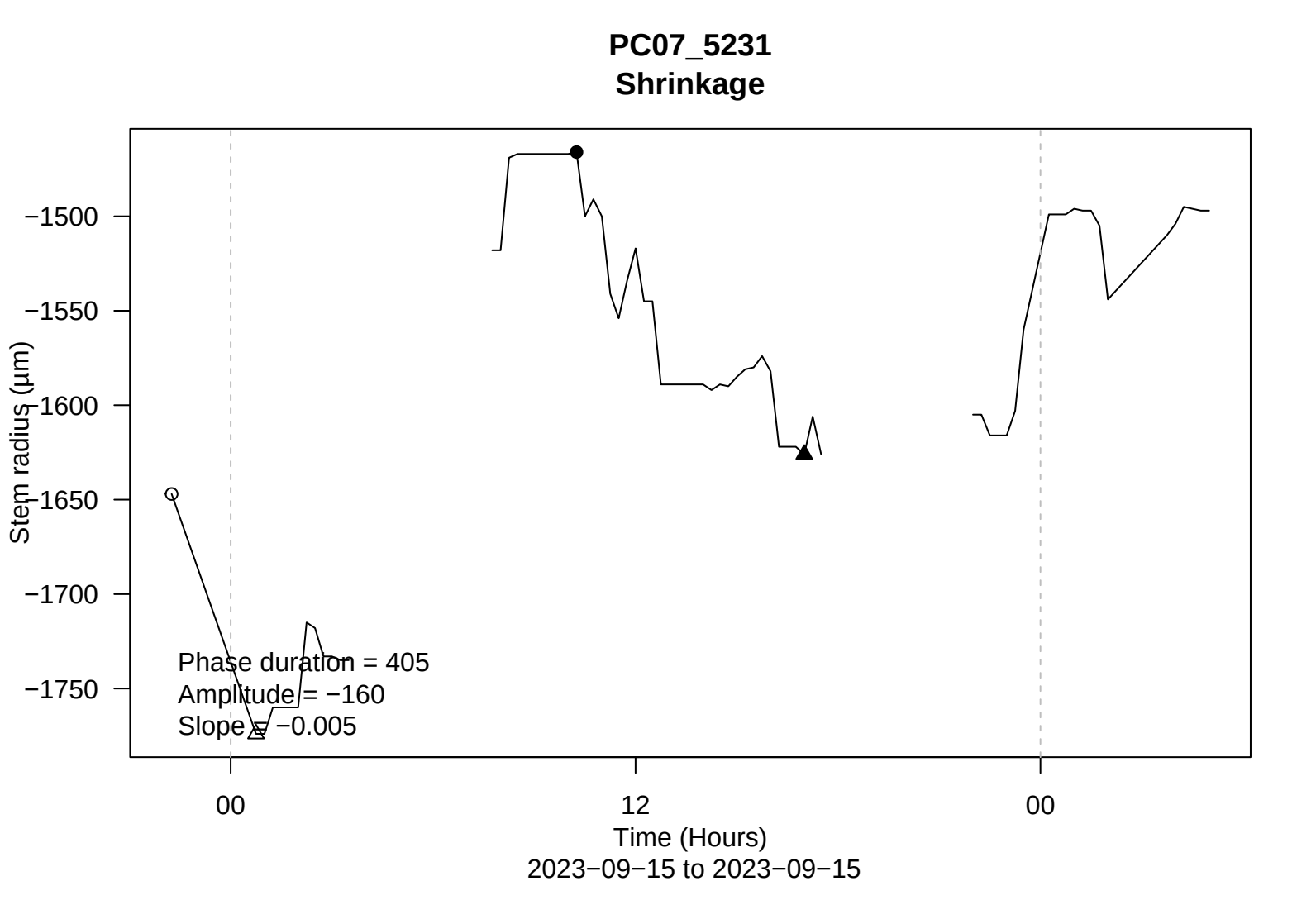

PC07_5231
Expansion
−2650
−2700
−2750
−2800
Stem radius (µm)
Phase duration = 600
Amplitude = 144
Slope = 0.0034
00
12
00
Time (Hours)
2023−09−12 to 2023−09−12

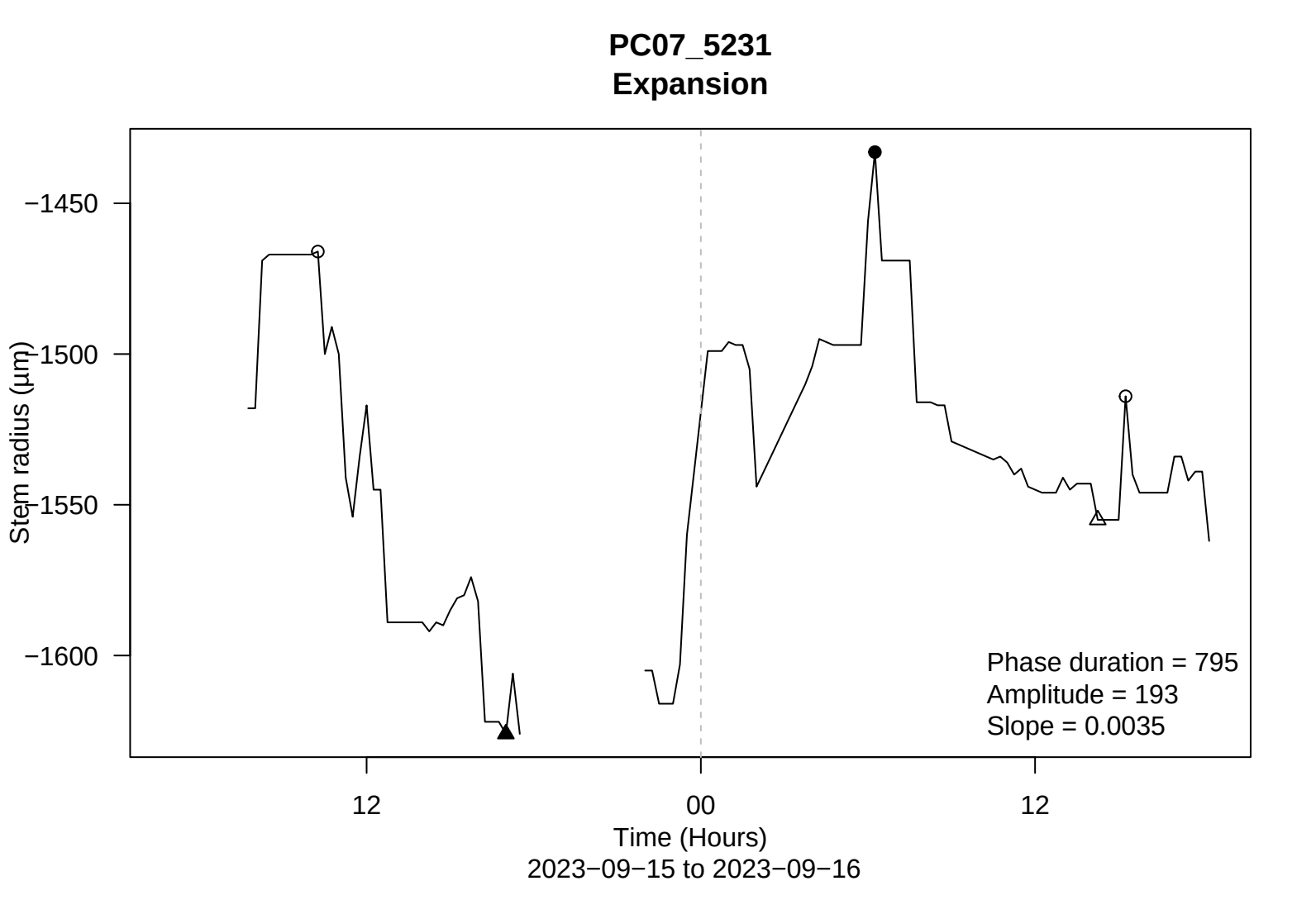

PC07_5231
Shrinkage
−2650
−2700
−2750
−2800
Stem radius (µm)
Phase duration = 855
Amplitude = −154
Slope = −0.0014
12
00
12
Time (Hours)
2023−09−12 to 2023−09−13

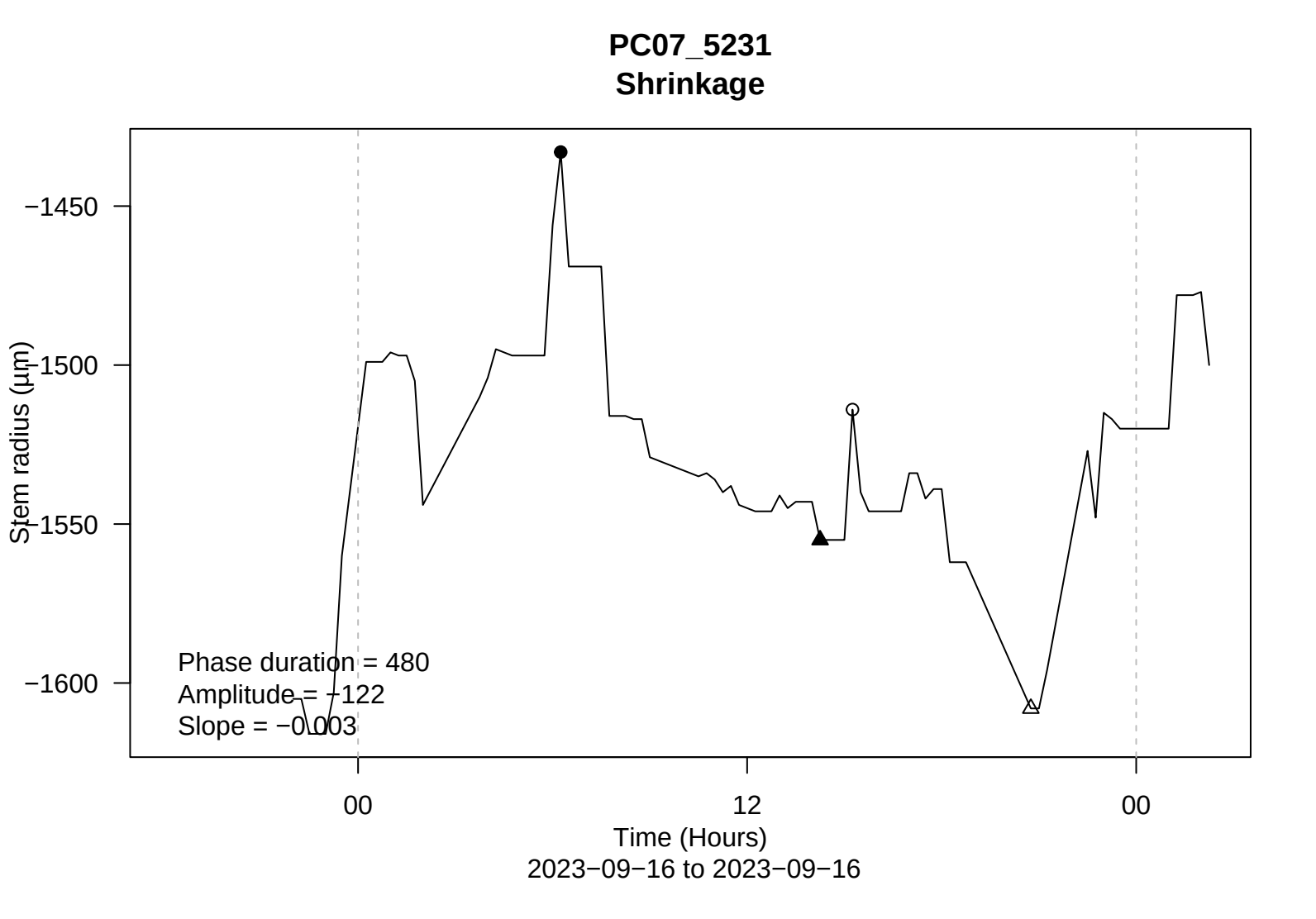

PC07_5231
Expansion
−2000
−2200
−2400
−2600
−2800
Stem radius (µm)
Phase duration = 300
Amplitude = 60
Slope = 0.0029
18
00
06
12
18
Time (Hours)
2023−09−13 to 2023−09−13

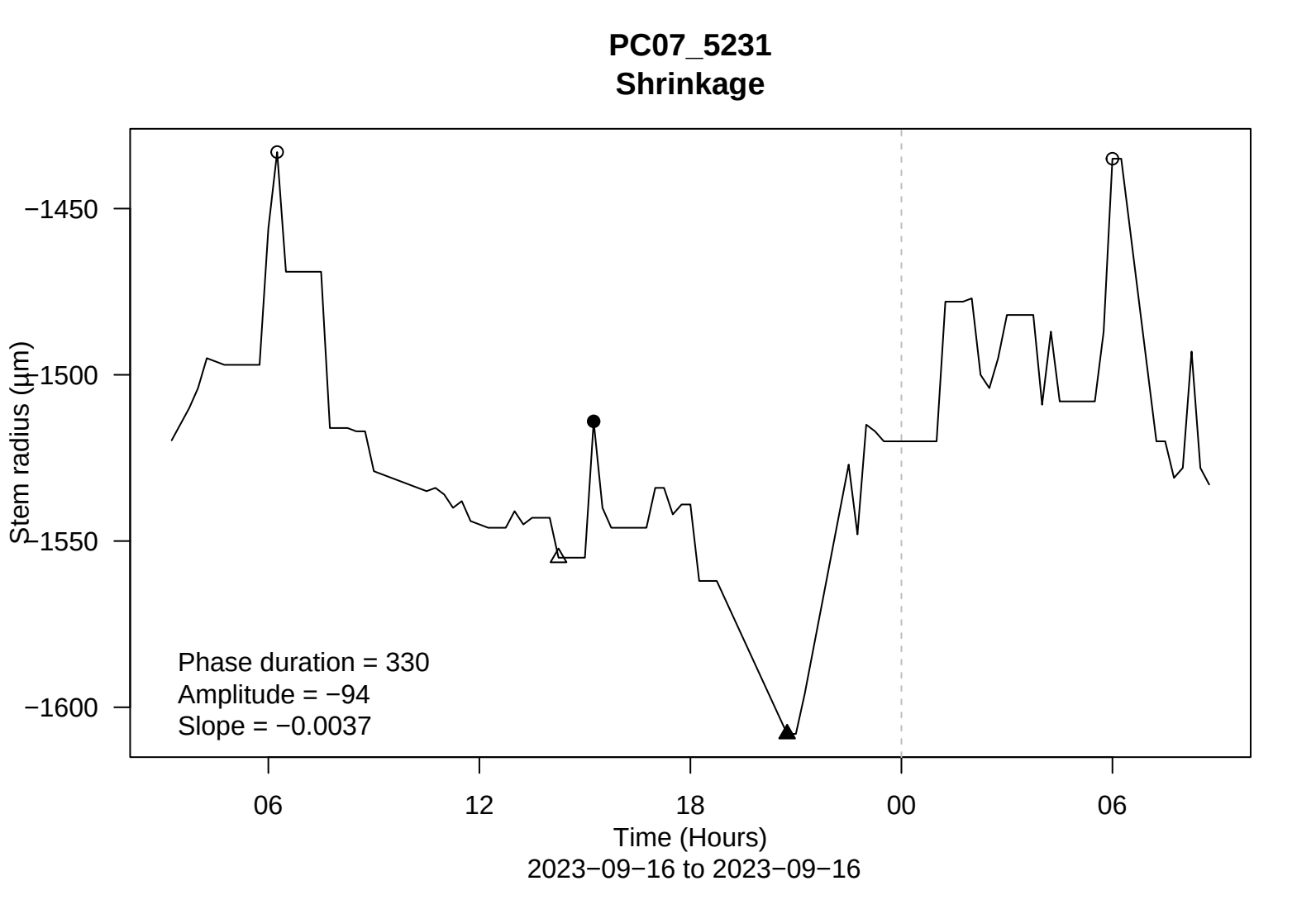

PC07_5231
Expansion
−1500
−1600
−1700
−1800
−1900
−2000
Stem radius (µm)
Phase duration = 810
Amplitude = 390
Slope = 0.0094
00
12
00
Time (Hours)
2023−09−14 to 2023−09−14

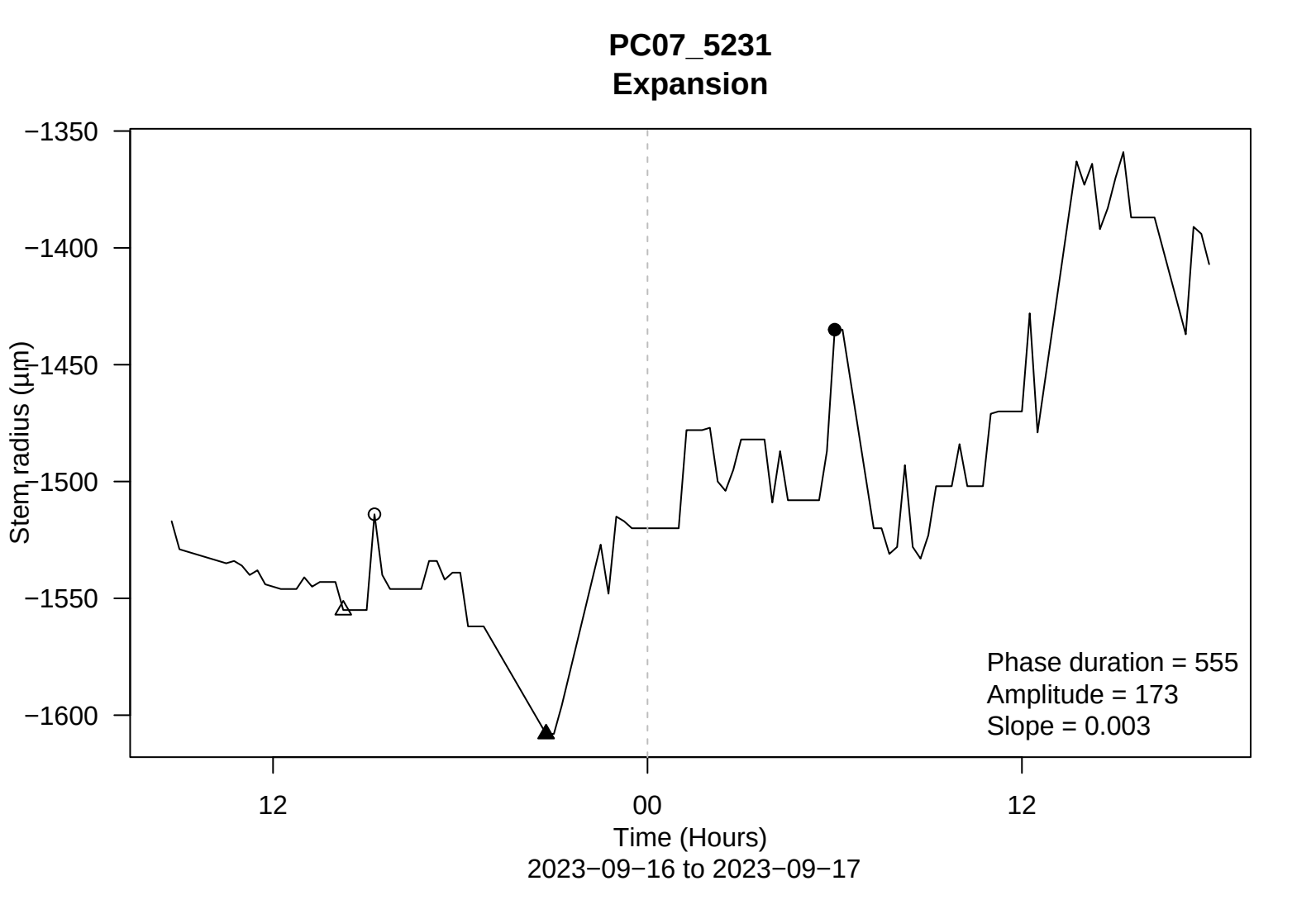

PC07_5231
Expansion
−1500
−1600
−1700
−1800
−1900
−2000
Stem radius (µm)
Phase duration = 570
Amplitude = 308
Slope = 0.0106
12
00
12
Time (Hours)
2023−09−15 to 2023−09−15

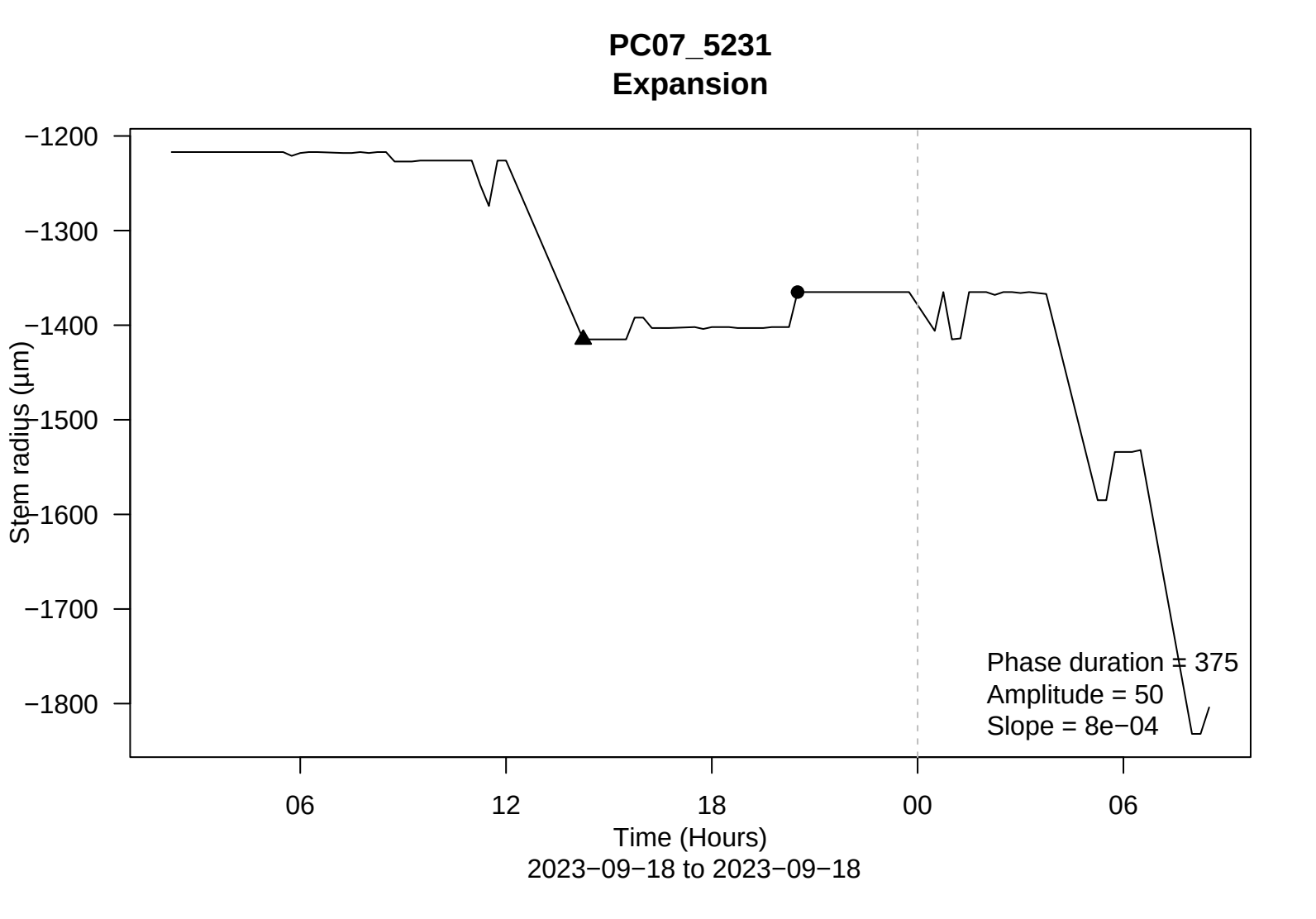

PC07_5231
Shrinkage
−1500
−1550
−1600
−1650
−1700
−1750
Stem radius (µm)
Phase duration = 405
Amplitude = −160
Slope = −0.005
00
12
00
Time (Hours)
2023−09−15 to 2023−09−15

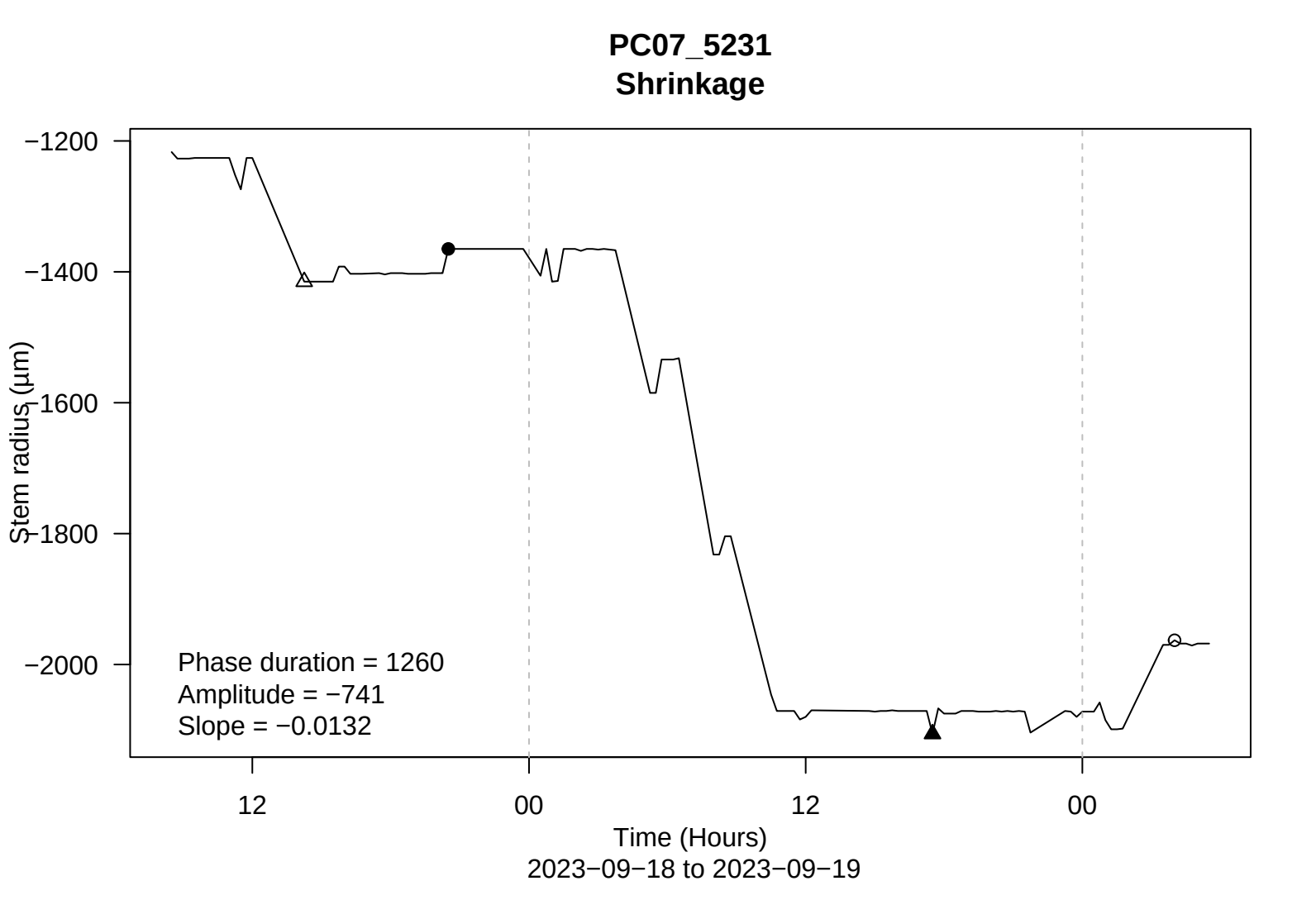

PC07_5231
Expansion
−1450
−1500
−1550
−1600
Stem radius (µm)
Phase duration = 795
Amplitude = 193
Slope = 0.0035
12
00
12
Time (Hours)
2023−09−15 to 2023−09−16

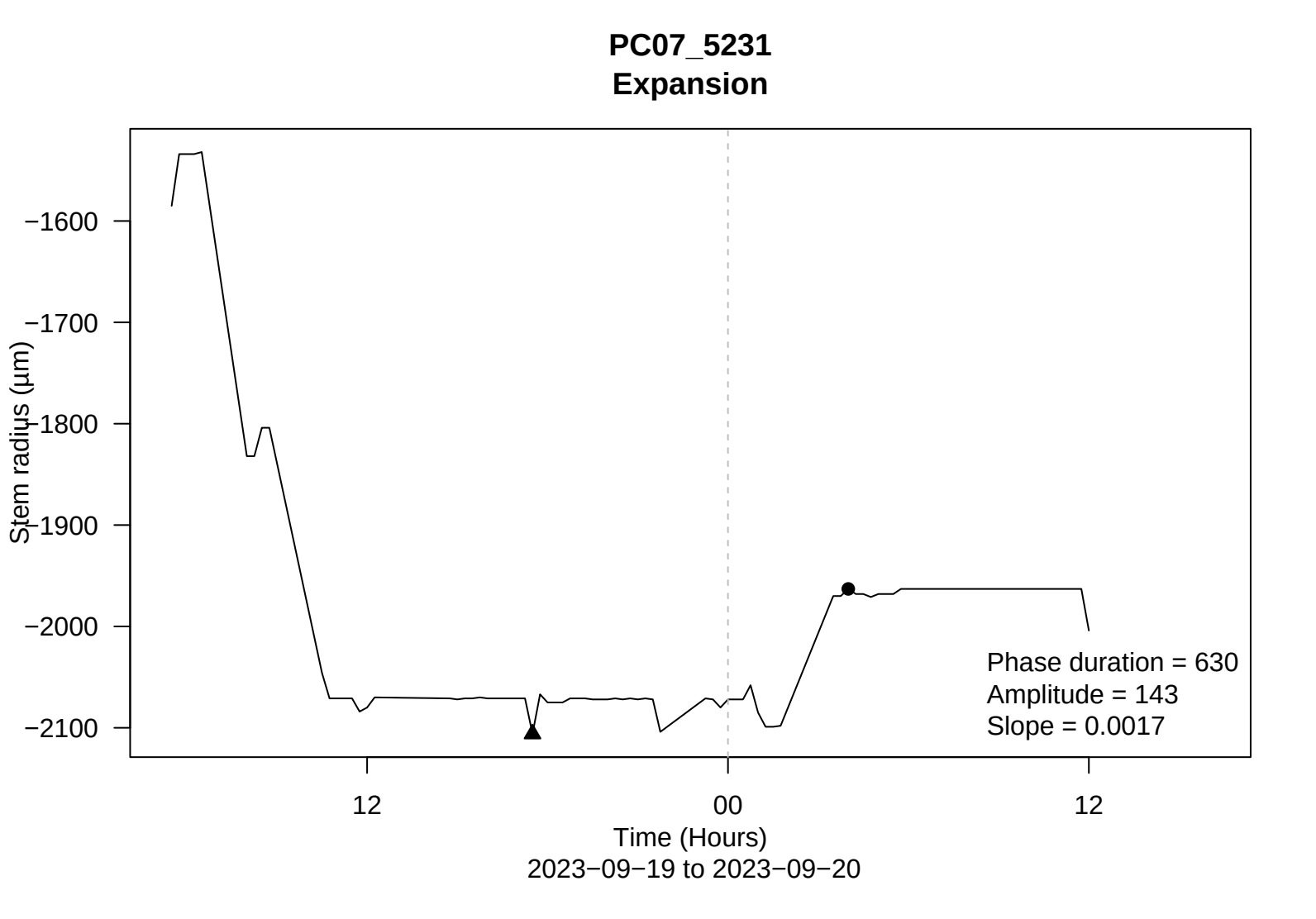

PC07_5231
Shrinkage
−1450
−1500
−1550
−1600
Stem radius (µm)
Phase duration = 480
Amplitude = −122
Slope = −0.003
00
12
00
Time (Hours)
2023−09−16 to 2023−09−16

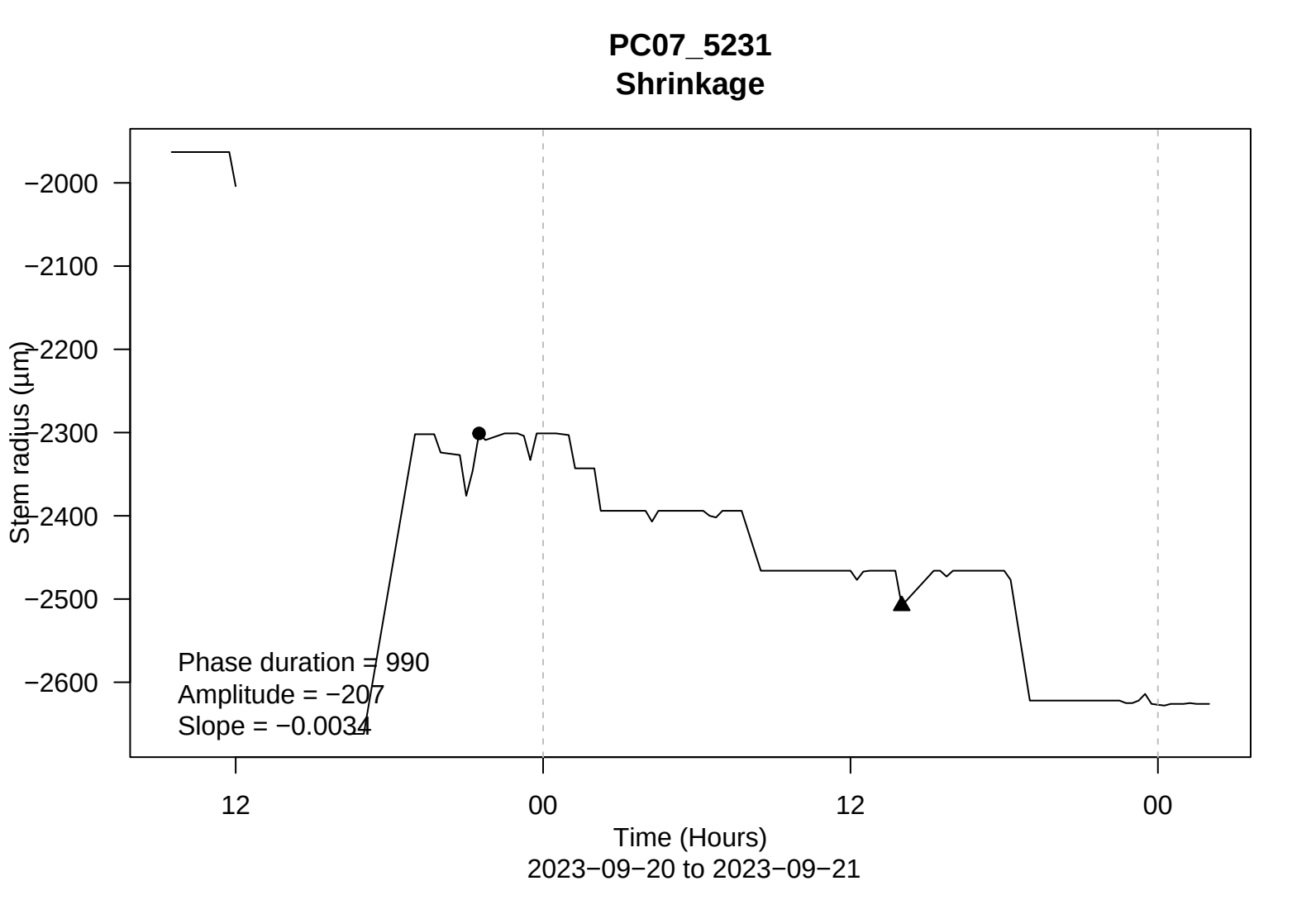

PC07_5231
Shrinkage
−1450
−1500
−1550
−1600
Stem radius (µm)
Phase duration = 330
Amplitude = −94
Slope = −0.0037
06
12
18
00
06
Time (Hours)
2023−09−16 to 2023−09−16

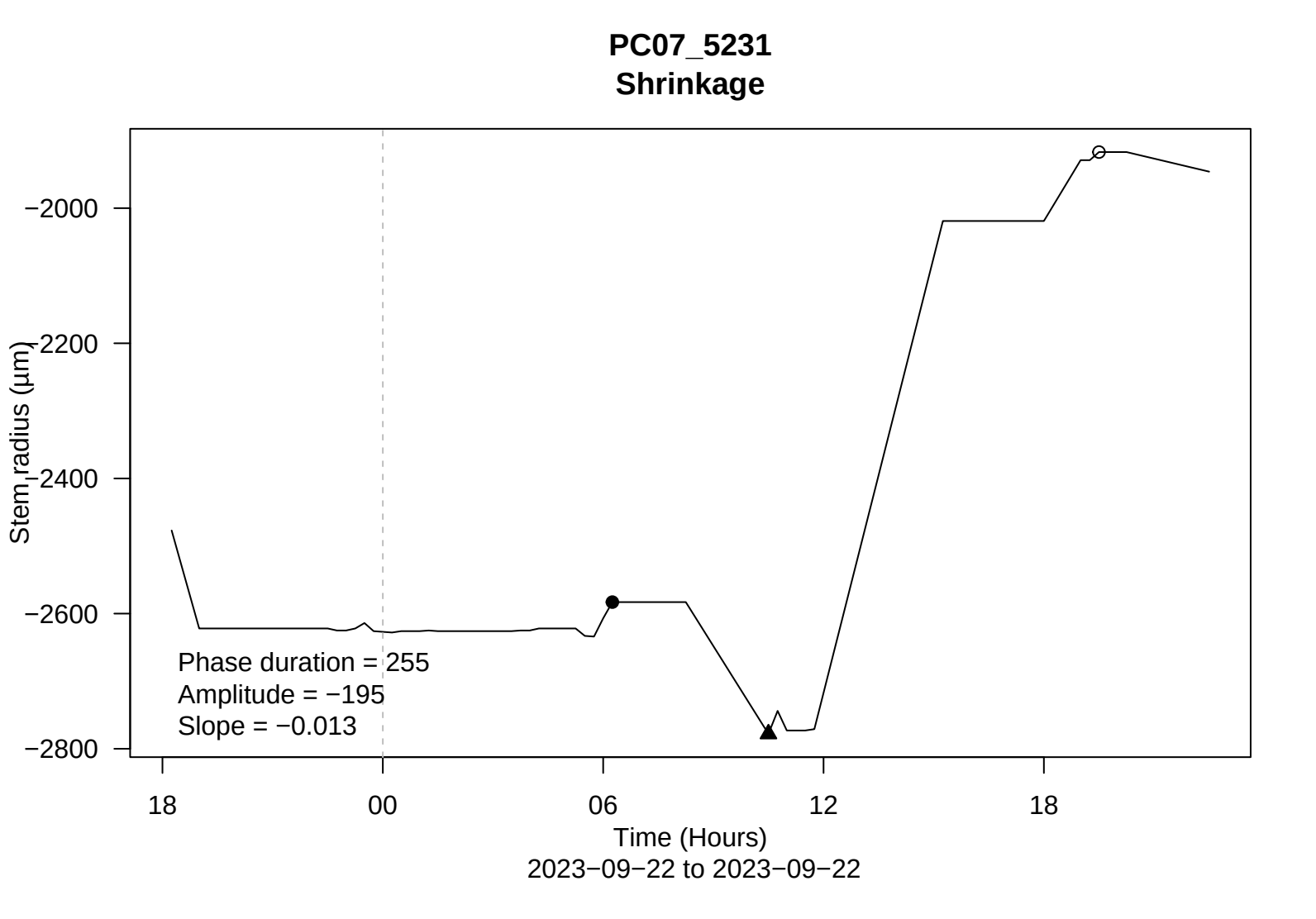

PC07_5231
Expansion
−1350
−1400
−1450
−1500
−1550
−1600
Stem radius (µm)
Phase duration = 555
Amplitude = 173
Slope = 0.003
12
00
12
Time (Hours)
2023−09−16 to 2023−09−17

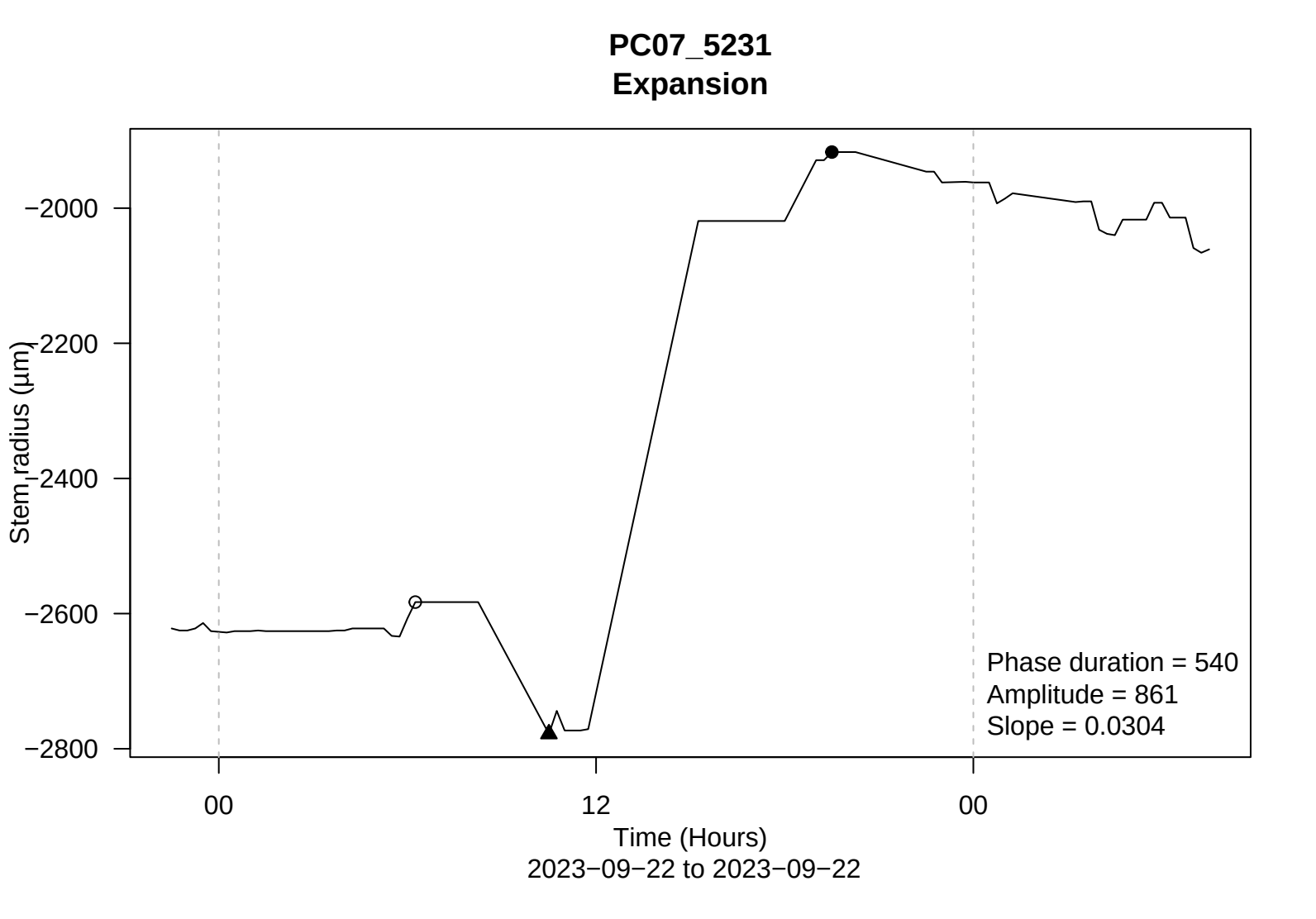

PC07_5231
Expansion
−1200
−1300
−1400
−1500
−1600
−1700
−1800
Stem radius (µm)
Phase duration = 375
Amplitude = 50
Slope = 8e−04
06
12
18
00
06
Time (Hours)
2023−09−18 to 2023−09−18

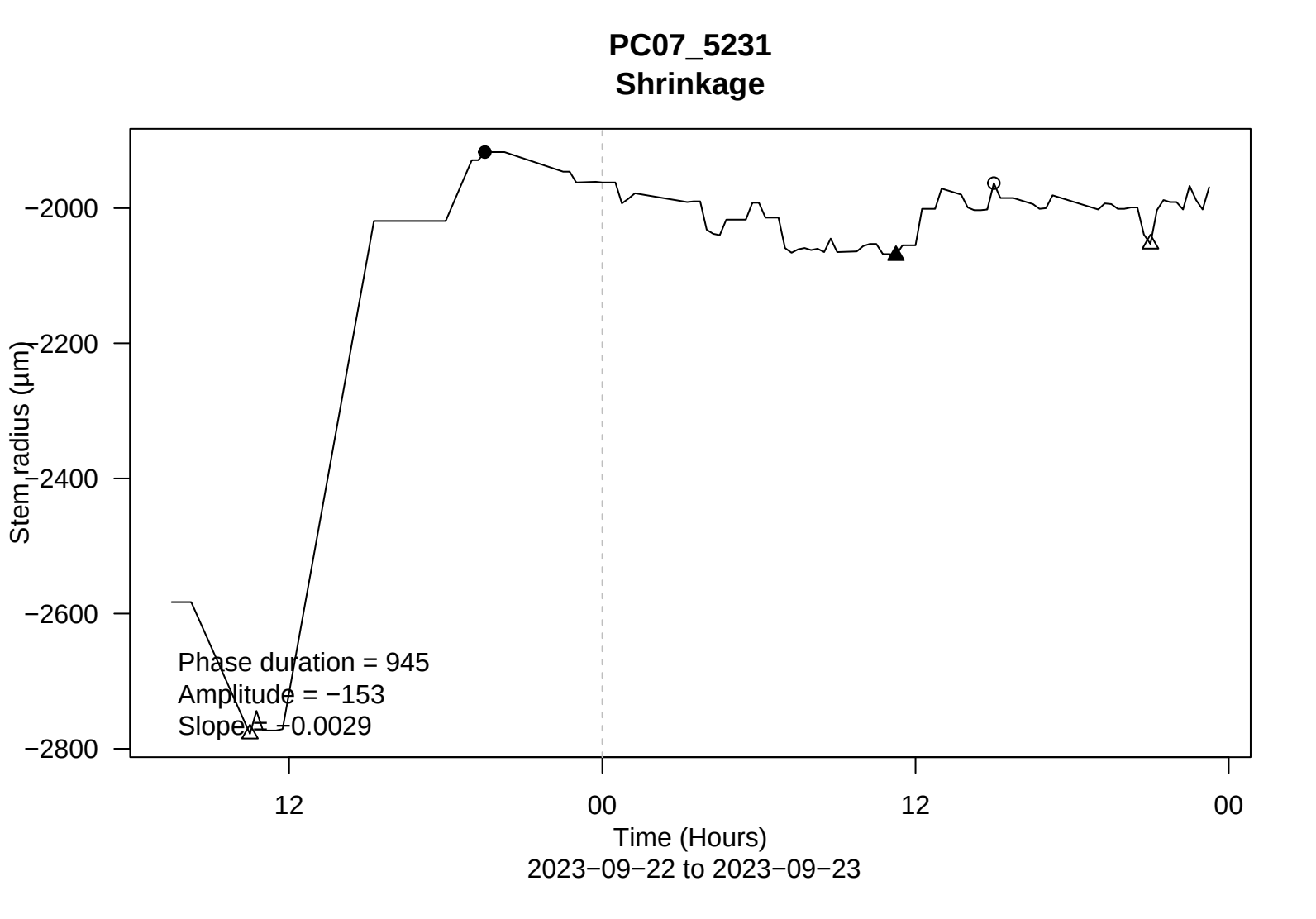

PC07_5231
Shrinkage
−1200
−1400
−1600
−1800
−2000
Stem radius (µm)
Phase duration = 1260
Amplitude = −741
Slope = −0.0132
12
00
12
00
Time (Hours)
2023−09−18 to 2023−09−19

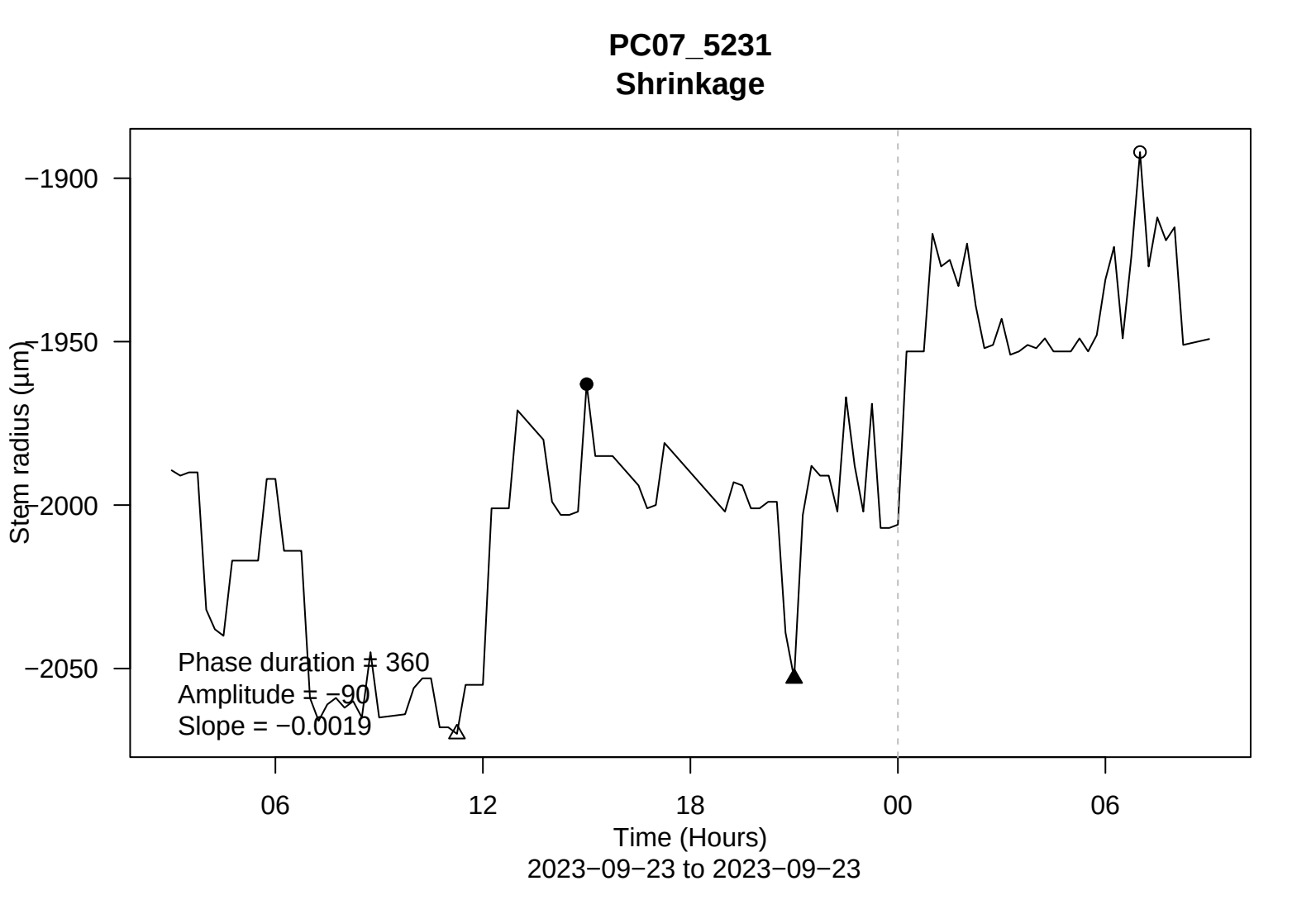

PC07_5231
Expansion
−1600
−1700
−1800
−1900
−2000
−2100
Stem radius (µm)
12
00
12
Time (Hours)
2023−09−19 to 2023−09−20
Phase duration = 630
Amplitude = 143
Slope = 0.0017

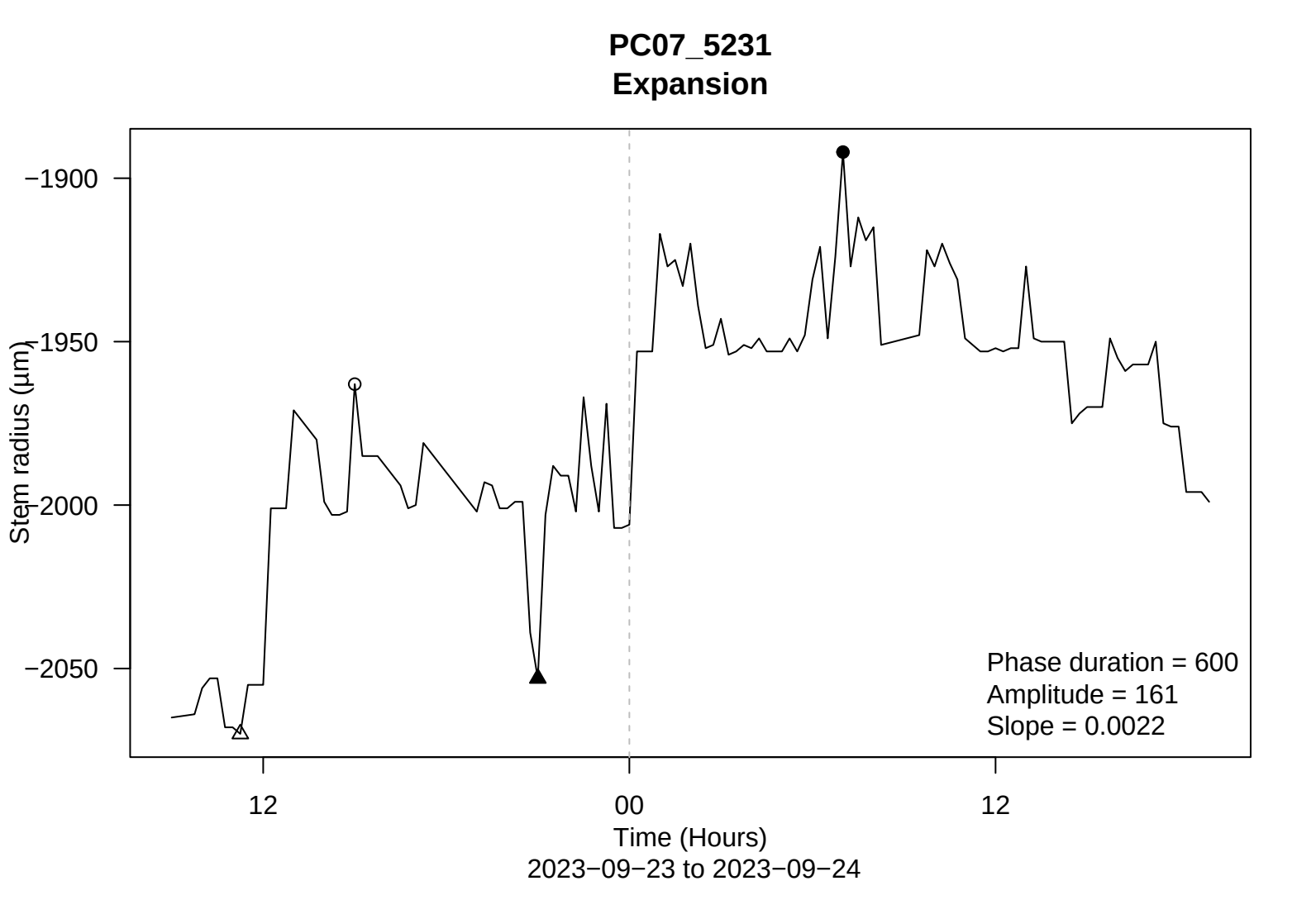

PC07_5231
Shrinkage
−2000
−2100
−2200
−2300
−2400
−2500
−2600
Stem radius (µm)
Phase duration = 990
Amplitude = −207
Slope = −0.0034
12
00
12
00
Time (Hours)
2023−09−20 to 2023−09−21

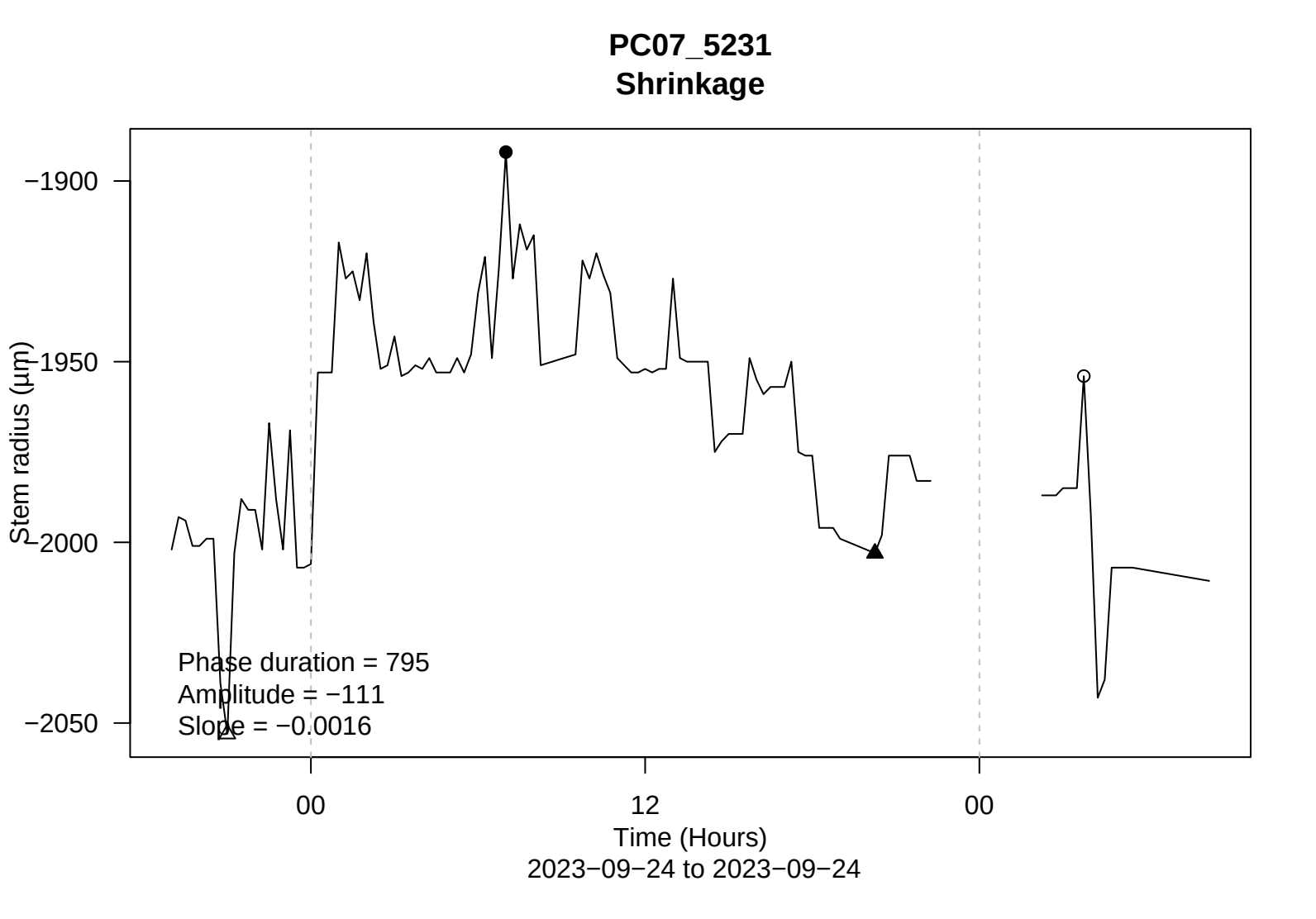

PC07_5231
Shrinkage
−2000
−2200
−2400
−2600
−2800
Stem radius (µm)
Phase duration = 255
Amplitude = −195
Slope = −0.013
18
00
06
12
18
Time (Hours)
2023−09−22 to 2023−09−22

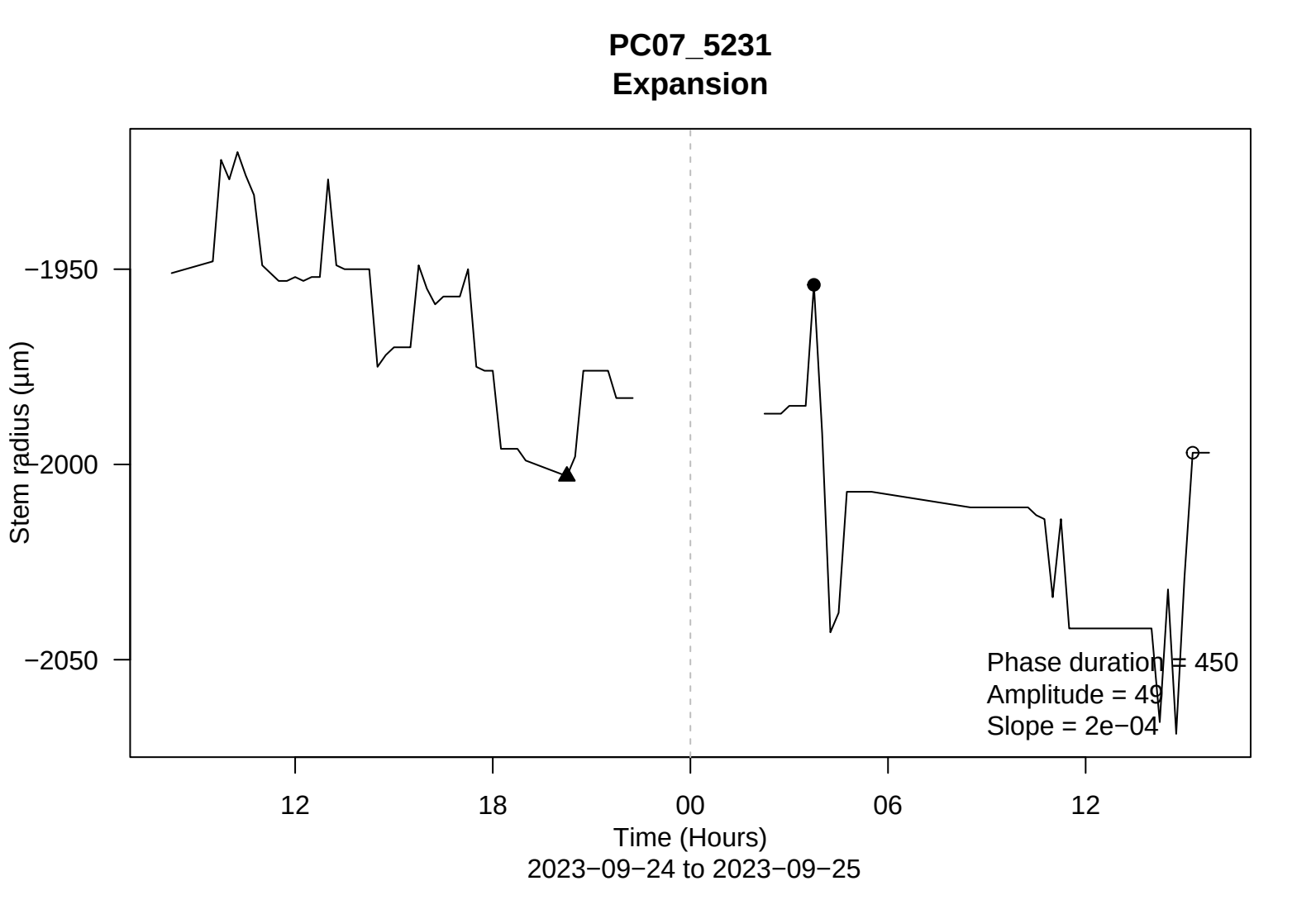

PC07_5231
Expansion
−2000
−2200
−2400
−2600
−2800
Stem radius (µm)
00
12
00
Time (Hours)
2023−09−22 to 2023−09−22
Phase duration = 540
Amplitude = 861
Slope = 0.0304

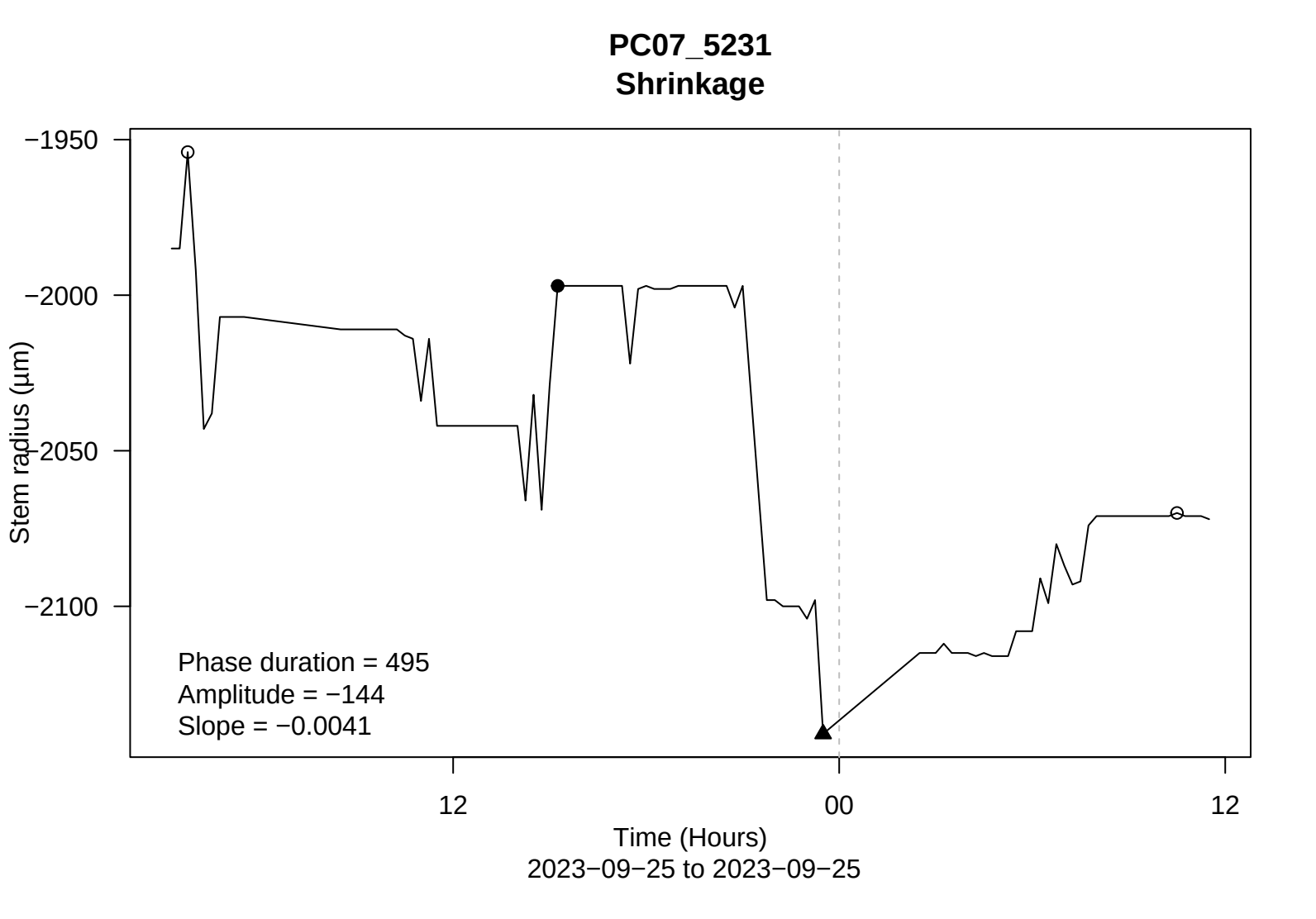

PC07_5231
Shrinkage
−2000
−2200
−2400
−2600
−2800
Stem radius (µm)
Phase duration = 945
Amplitude = −153
Slope = −0.0029
12
00
12
00
Time (Hours)
2023−09−22 to 2023−09−23

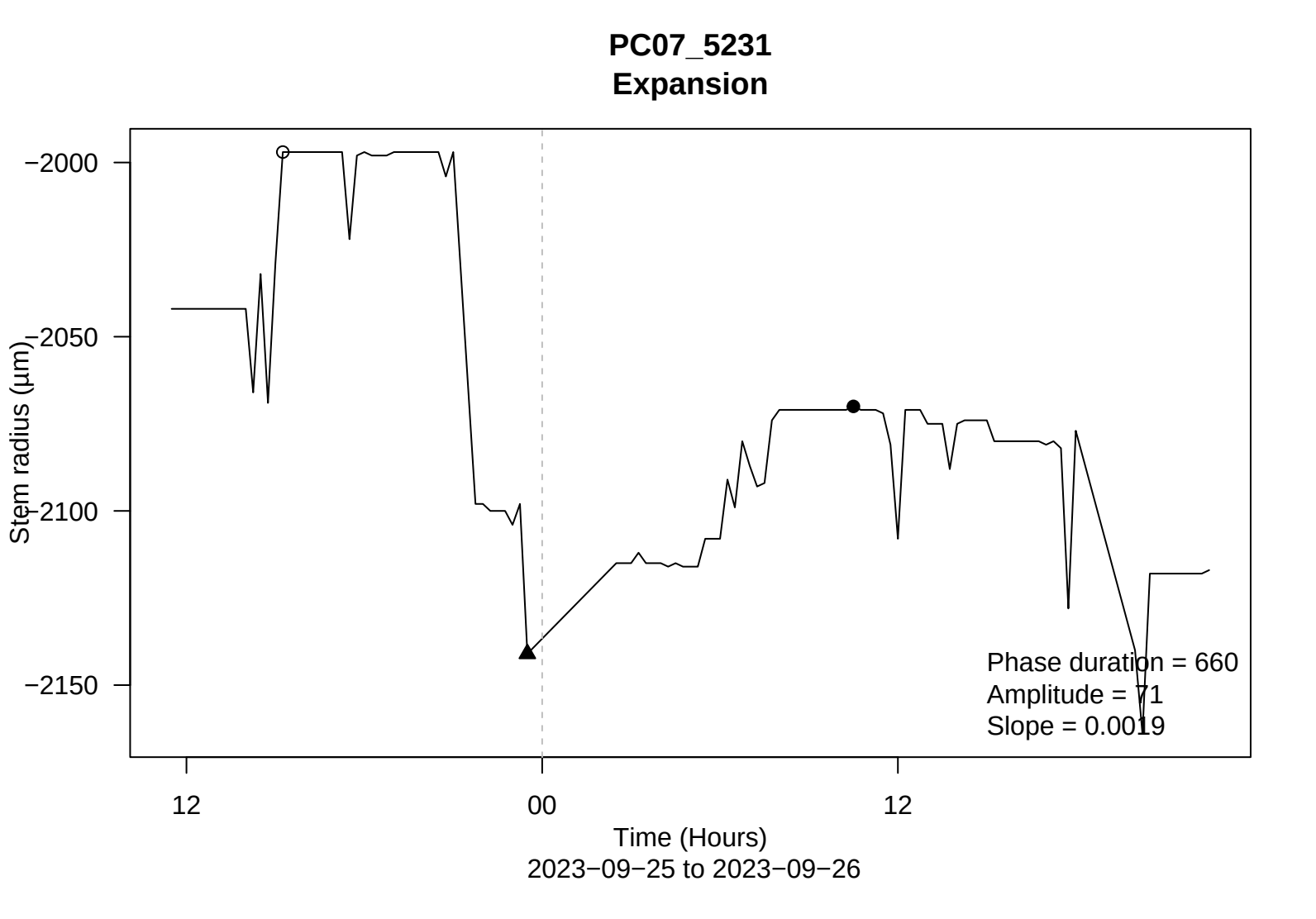

PC07_5231
Shrinkage
−1900
−1950
−2000
−2050
Stem radius (µm)
Phase duration = 360
Amplitude = −90
Slope = −0.0019
06
12
18
00
06
Time (Hours)
2023−09−23 to 2023−09−23

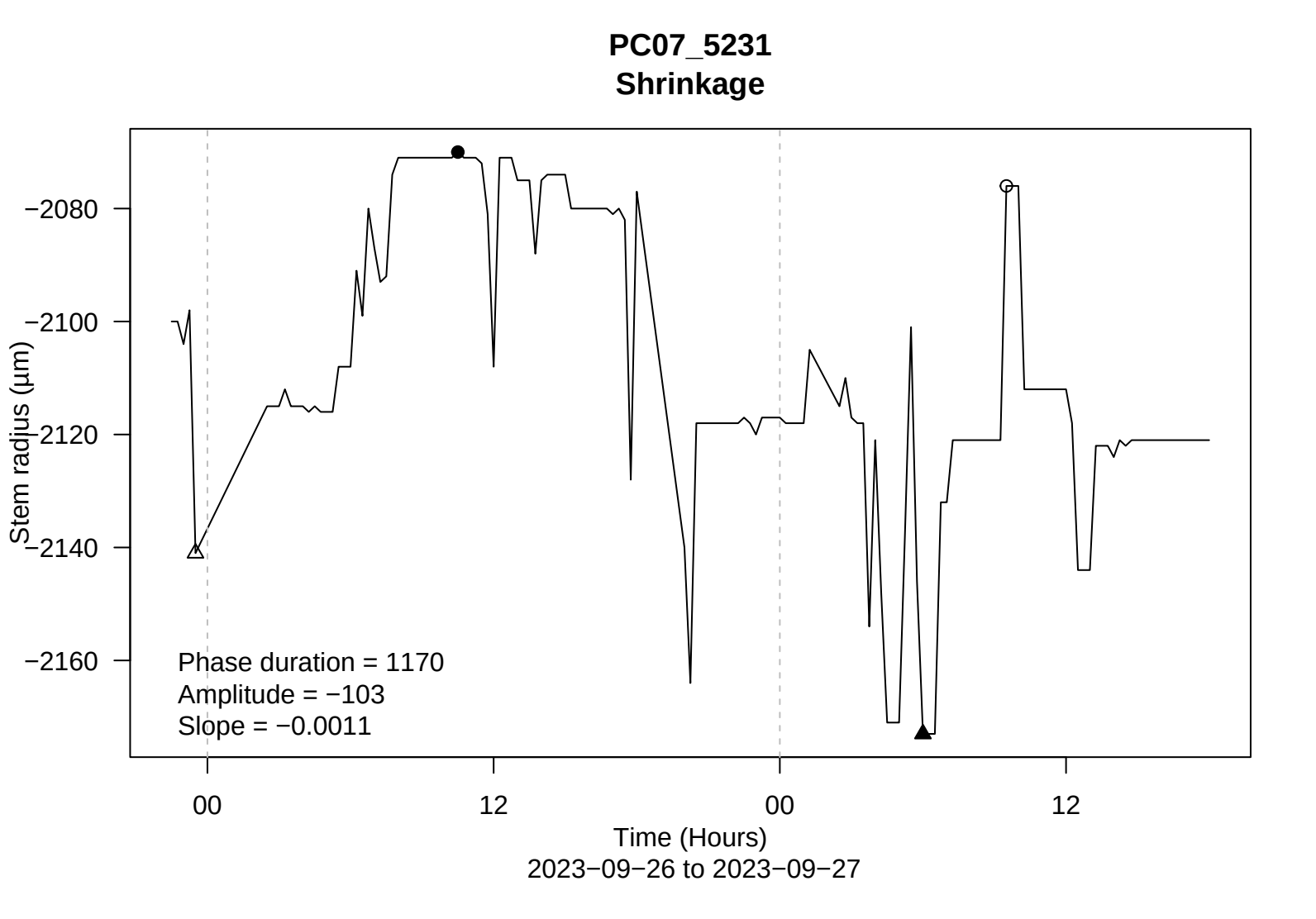

PC07_5231
Expansion
−1900
−1950
−2000
−2050
Stem radius (µm)
Phase duration = 600
Amplitude = 161
Slope = 0.0022
12
00
12
Time (Hours)
2023−09−23 to 2023−09−24

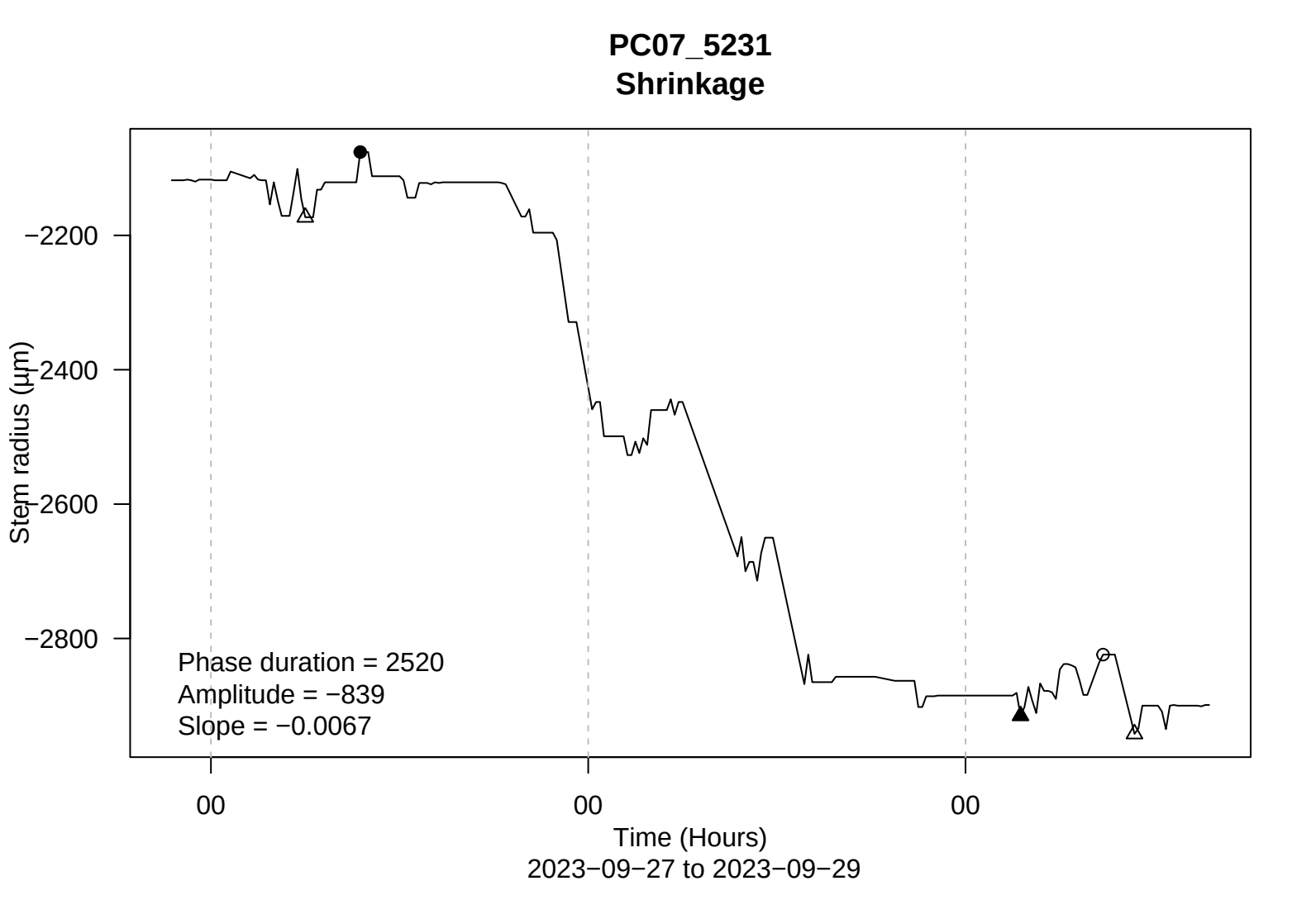

PC07_5231
Shrinkage
−1900
−1950
−2000
−2050
Stem radius (µm)
Phase duration = 795
Amplitude = −111
Slope = −0.0016
00
12
00
Time (Hours)
2023−09−24 to 2023−09−24

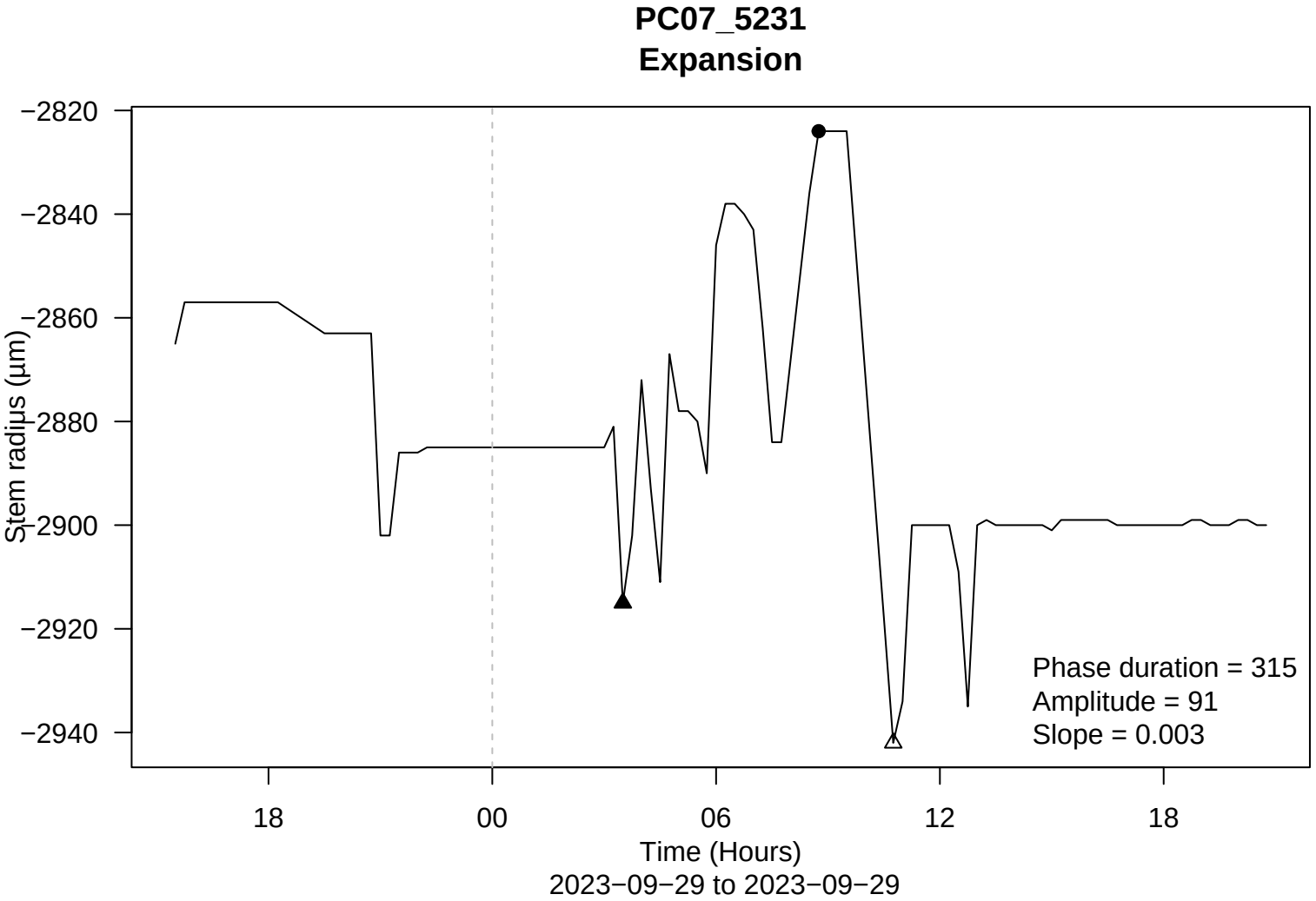

PC07_5231
Expansion
−1950
−2000
−2050
Stem radius (µm)
Phase duration = 450
Amplitude = 49
Slope = 2e−04
12
18
00
06
12
Time (Hours)
2023−09−24 to 2023−09−25

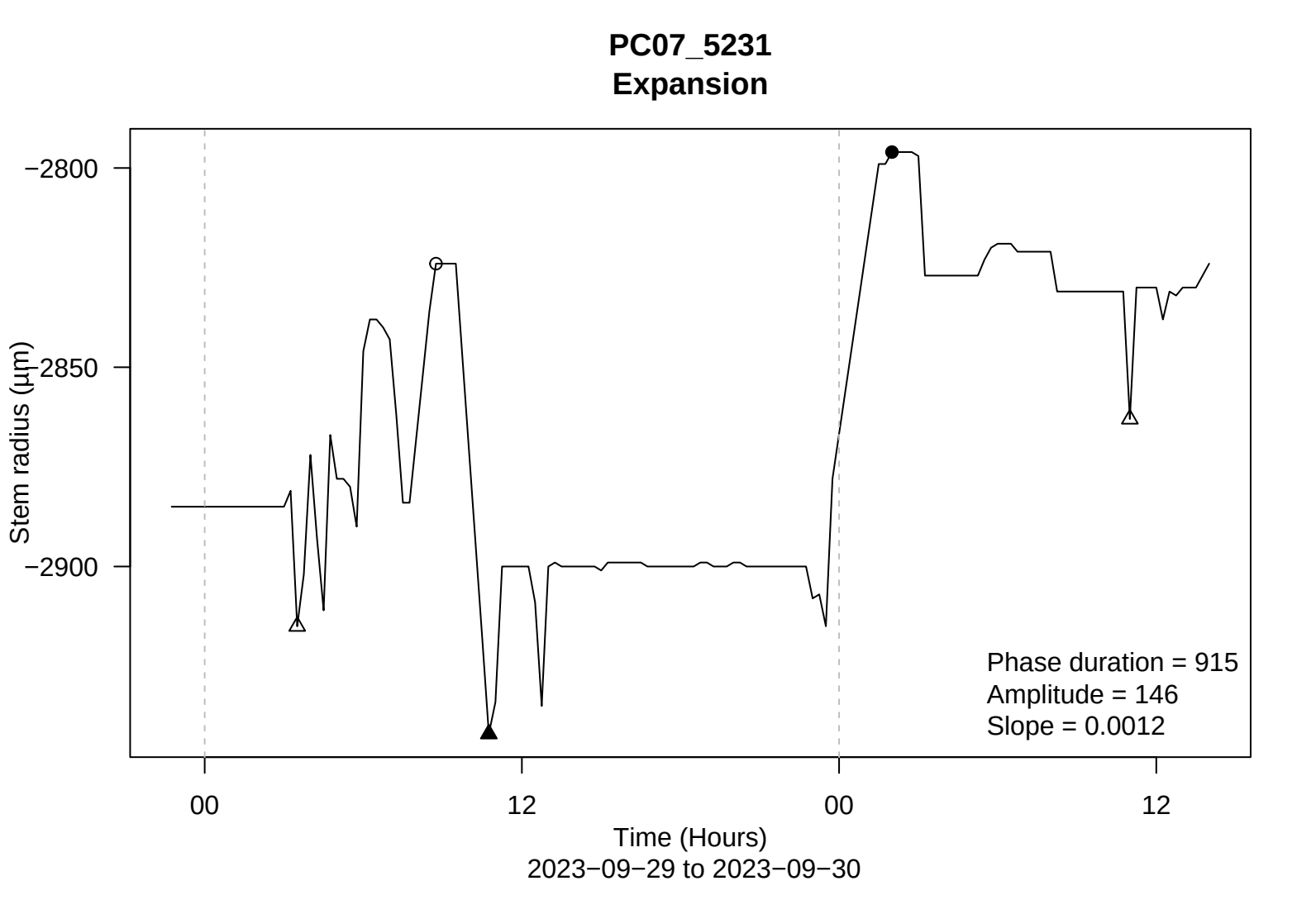

PC07_5231
Shrinkage
−1950
−2000
−2050
−2100
Stem radius (µm)
Phase duration = 495
Amplitude = −144
Slope = −0.0041
12
00
12
Time (Hours)
2023−09−25 to 2023−09−25

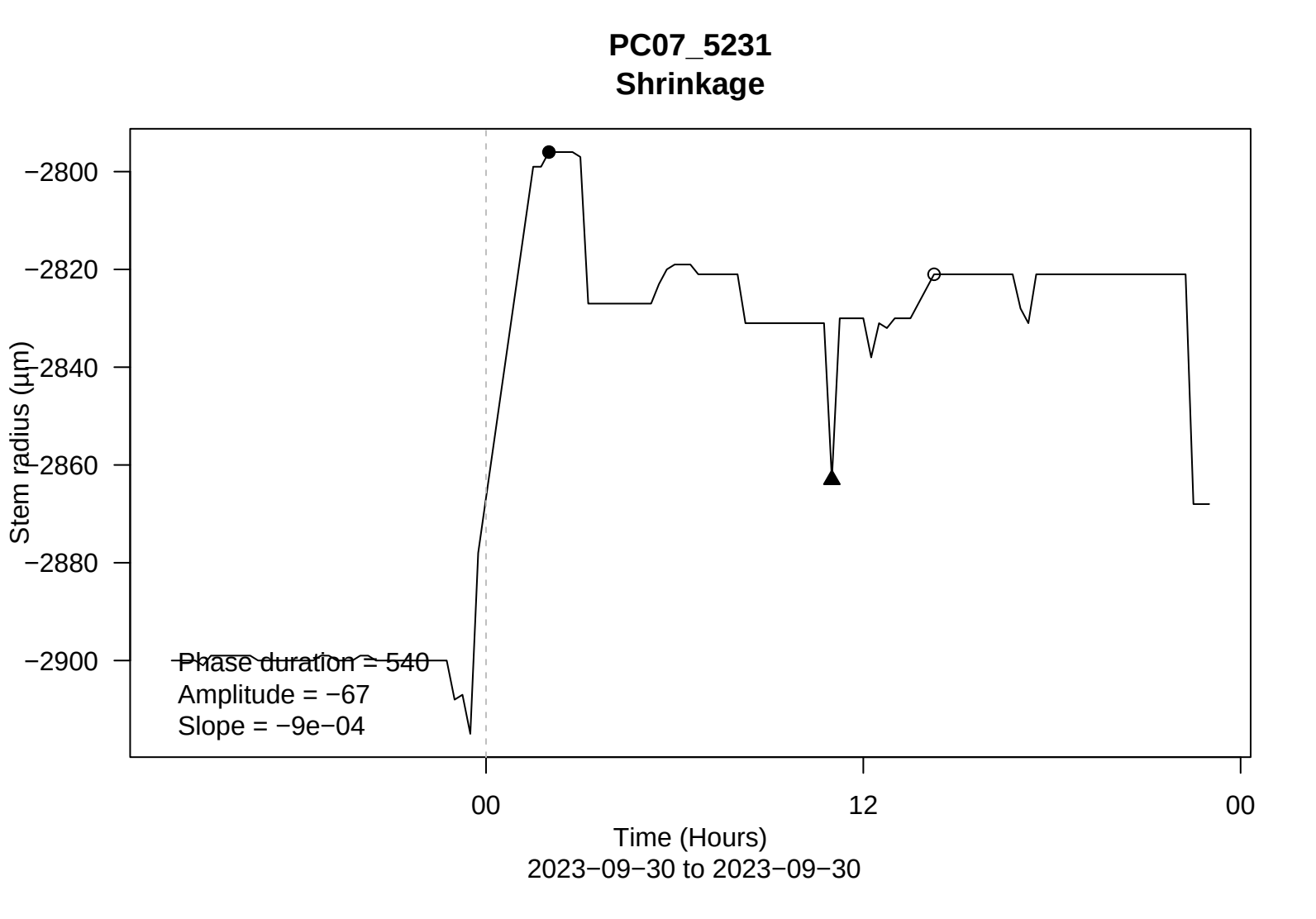

PC07_5231
Expansion
−2000
−2050
−2100
−2150
Stem radius (µm)
Phase duration = 660
Amplitude = 71
Slope = 0.0019
12
00
12
Time (Hours)
2023−09−25 to 2023−09−26

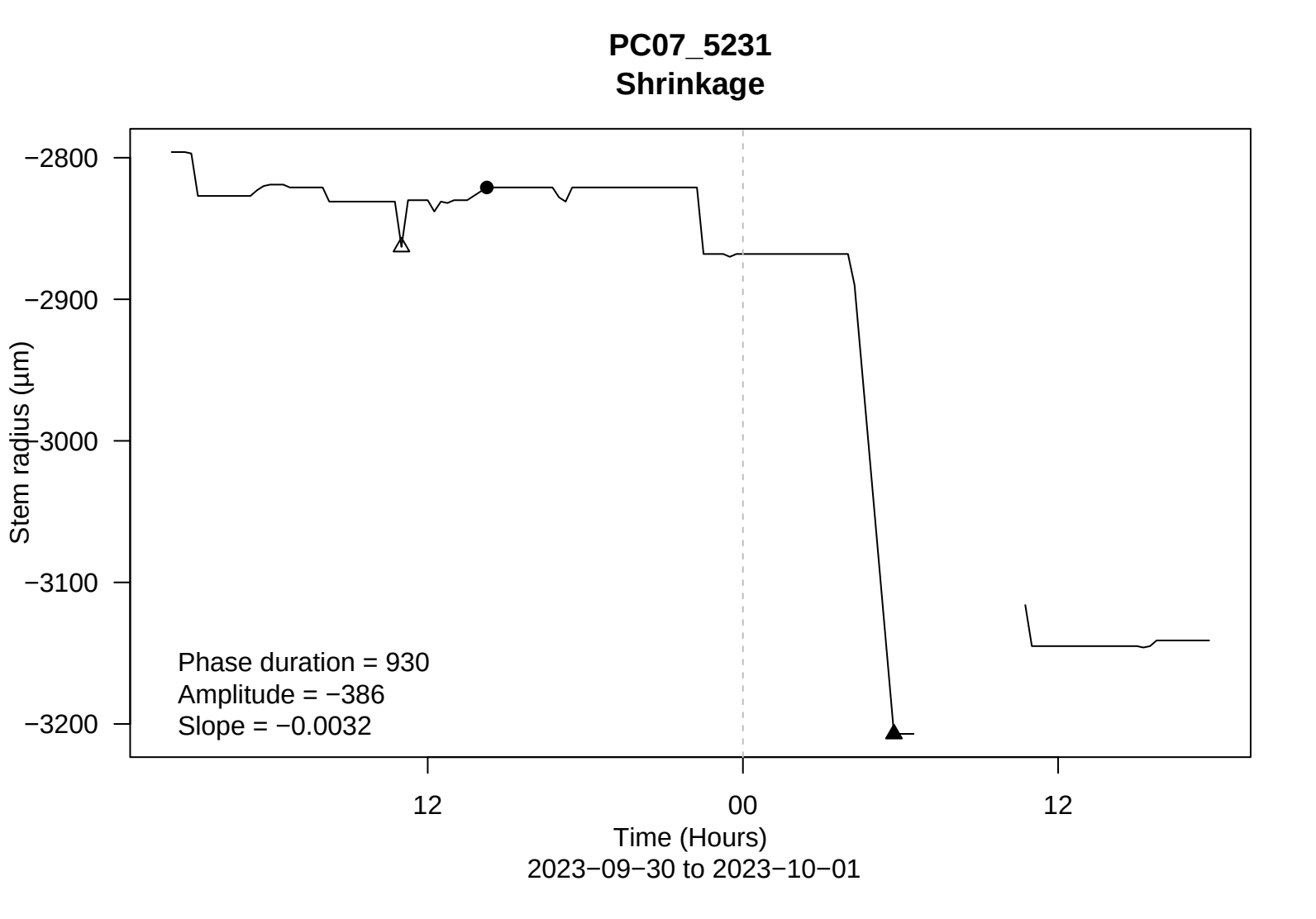

PC07_5231
Shrinkage
−2080
−2100
−2120
−2140
−2160
Stem radius (µm)
Phase duration = 1170
Amplitude = −103
Slope = −0.0011
00
12
00
12
Time (Hours)
2023−09−26 to 2023−09−27

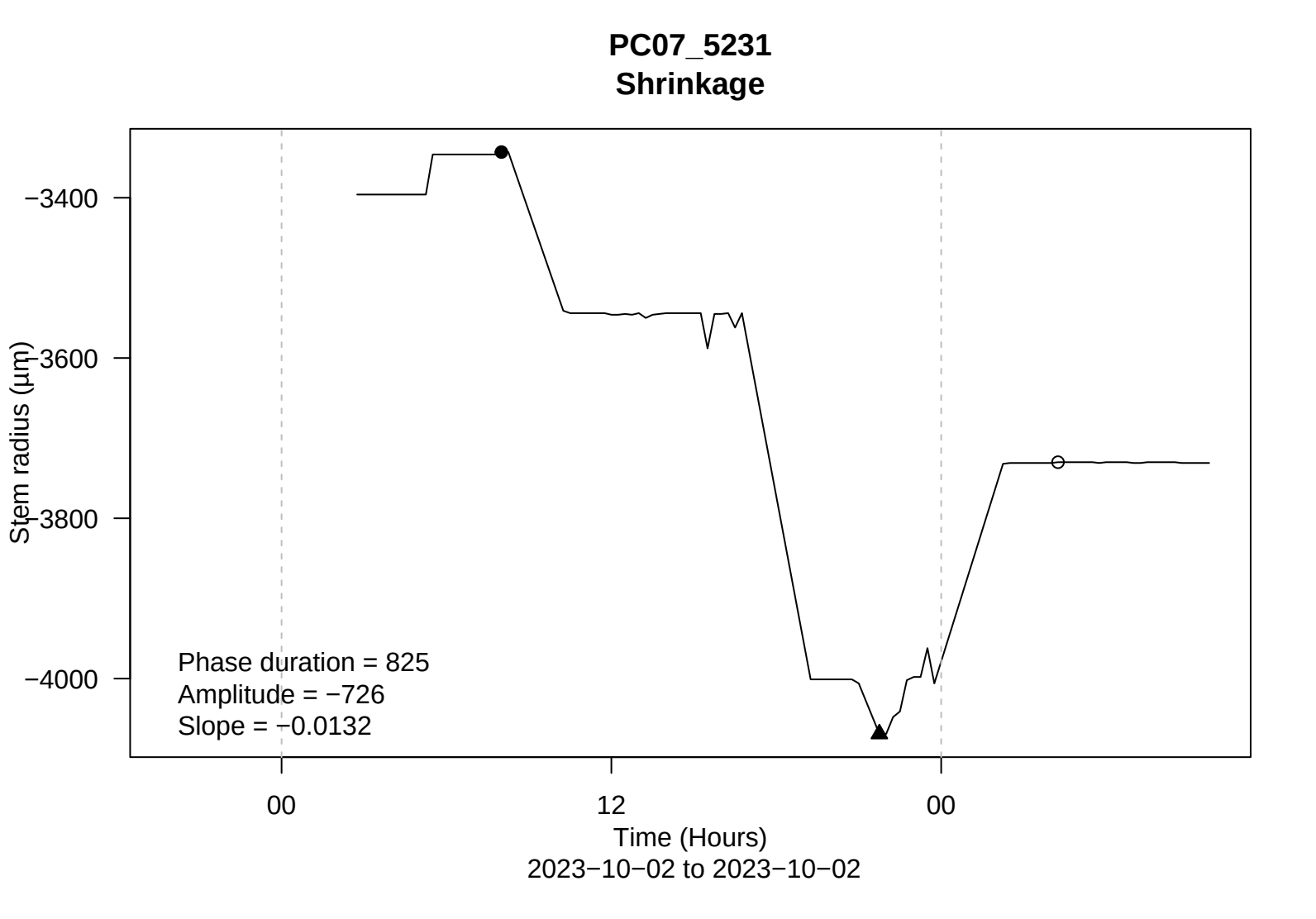

PC07_5231
Shrinkage
−2200
−2400
−2600
−2800
Stem radius (µm)
Phase duration = 2520
Amplitude = −839
Slope = −0.0067
00
00
00
Time (Hours)
2023−09−27 to 2023−09−29

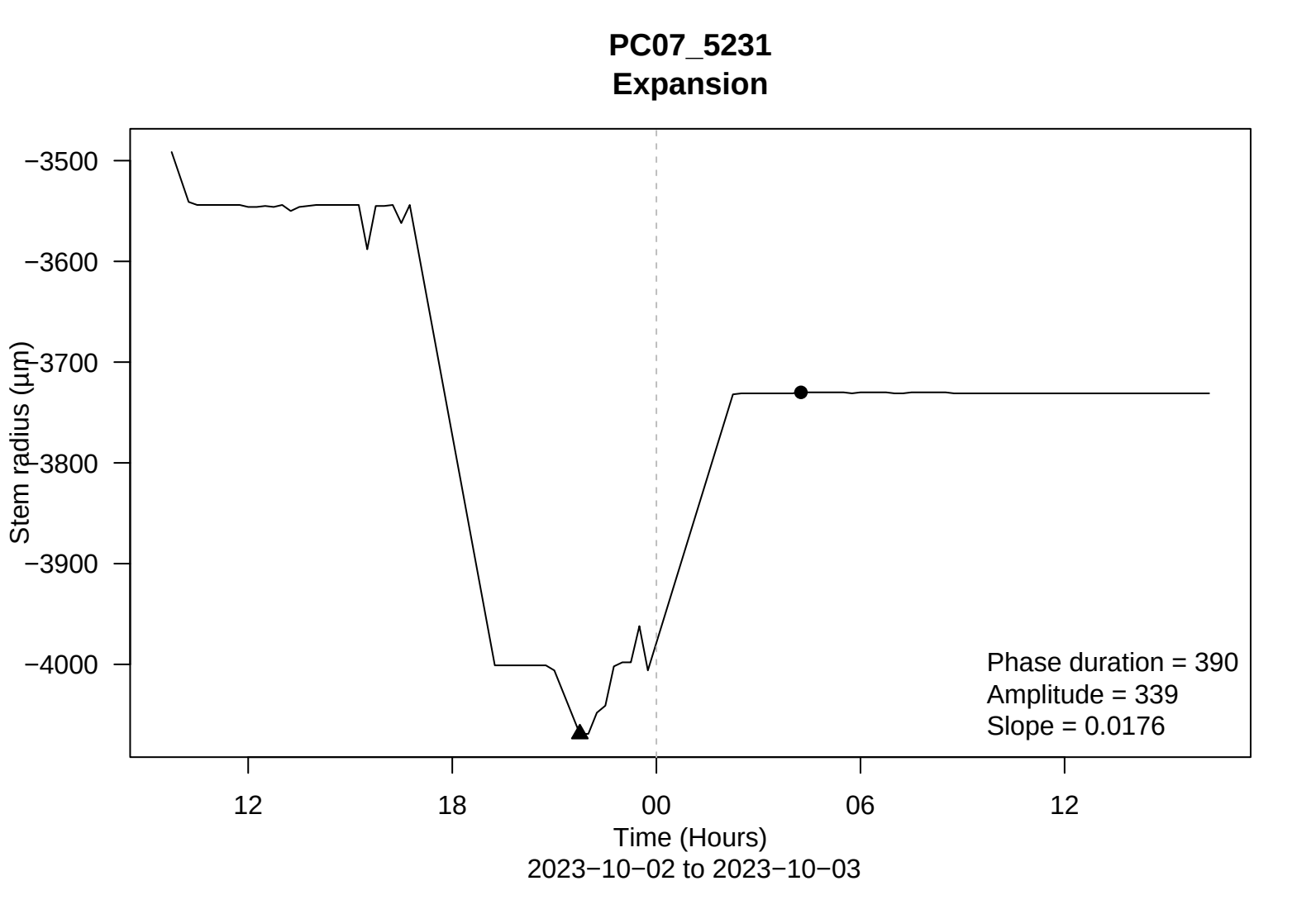

PC07_5231
Expansion
−2820
−2840
−2860
−2880
−2900
−2920
−2940
Stem radius (µm)
18
00
06
12
18
Time (Hours)
2023−09−29 to 2023−09−29
Phase duration = 315
Amplitude = 91
Slope = 0.003

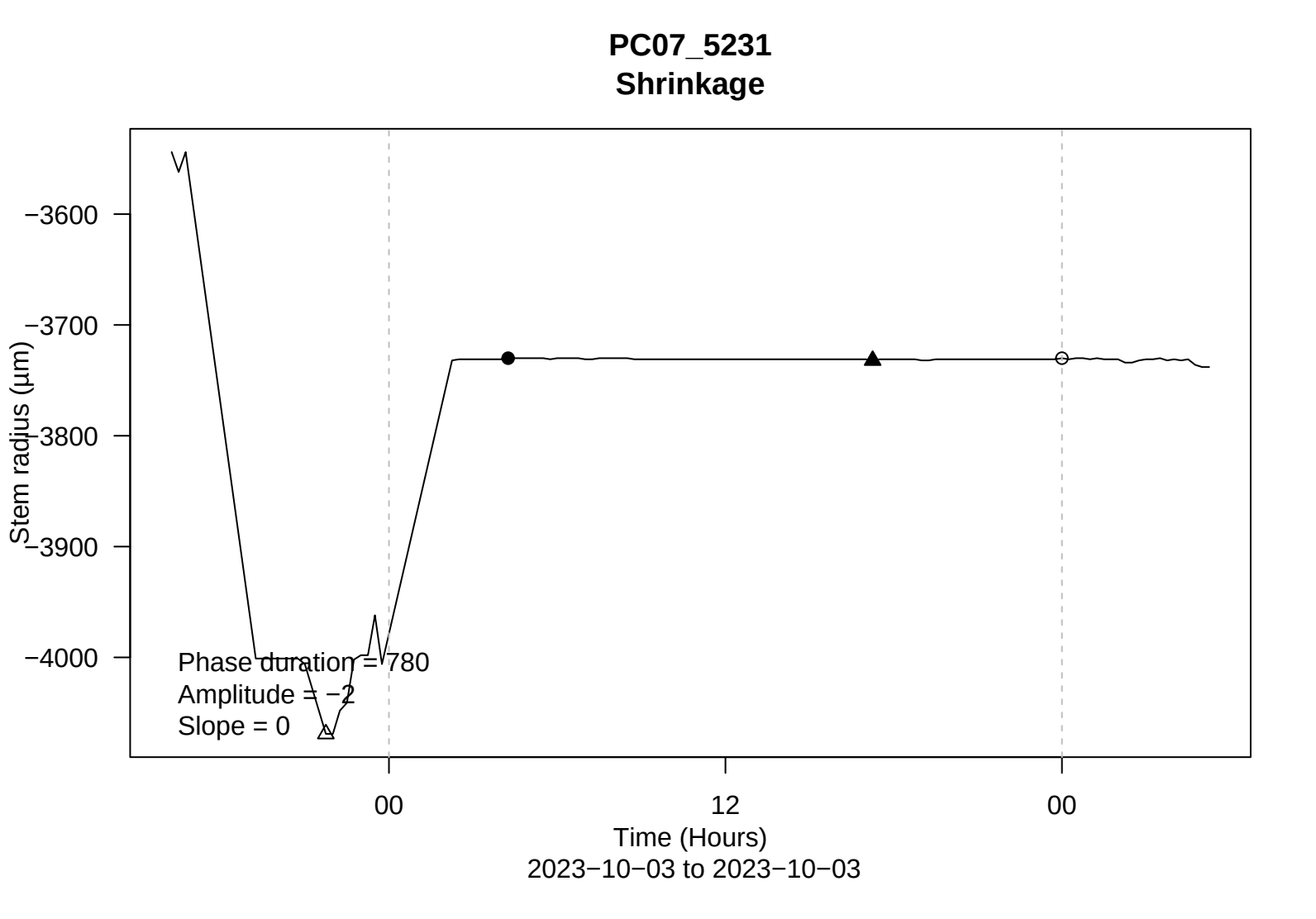

PC07_5231
Expansion
−2800
−2850
−2900
Stem radius (µm)
Phase duration = 915
Amplitude = 146
Slope = 0.0012
00
12
00
12
Time (Hours)
2023−09−29 to 2023−09−30

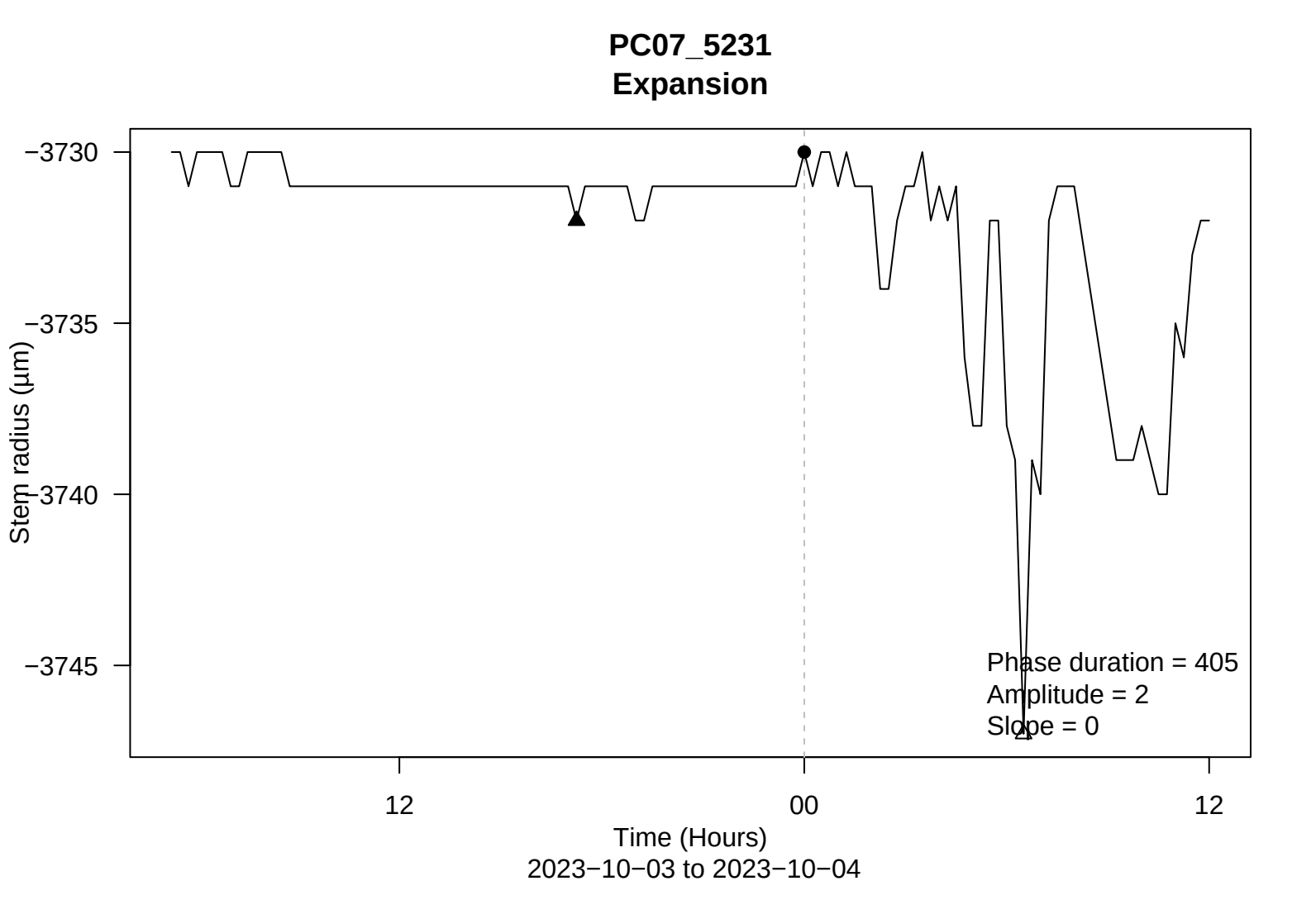

PC07_5231
Shrinkage
−2800
−2820
−2840
−2860
−2880
−2900
Stem radius (µm)
Phase duration = 540
Amplitude = −67
Slope = −9e−04
00
12
00
Time (Hours)
2023−09−30 to 2023−09−30

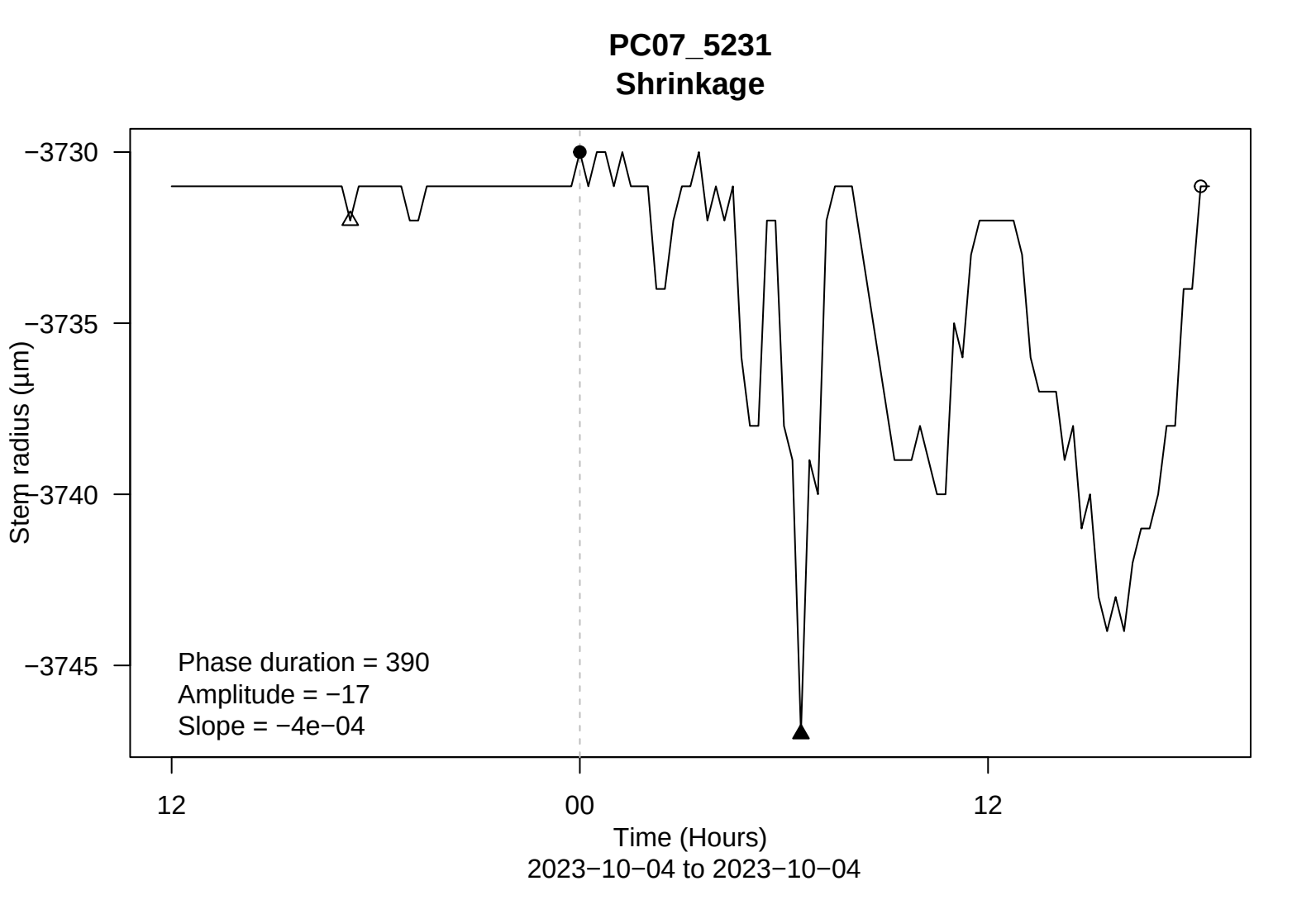

PC07_5231
Shrinkage
−2800
−2900
−3000
−3100
−3200
Stem radius (µm)
Phase duration = 930
Amplitude = −386
Slope = −0.0032
12
00
12
Time (Hours)
2023−09−30 to 2023−10−01

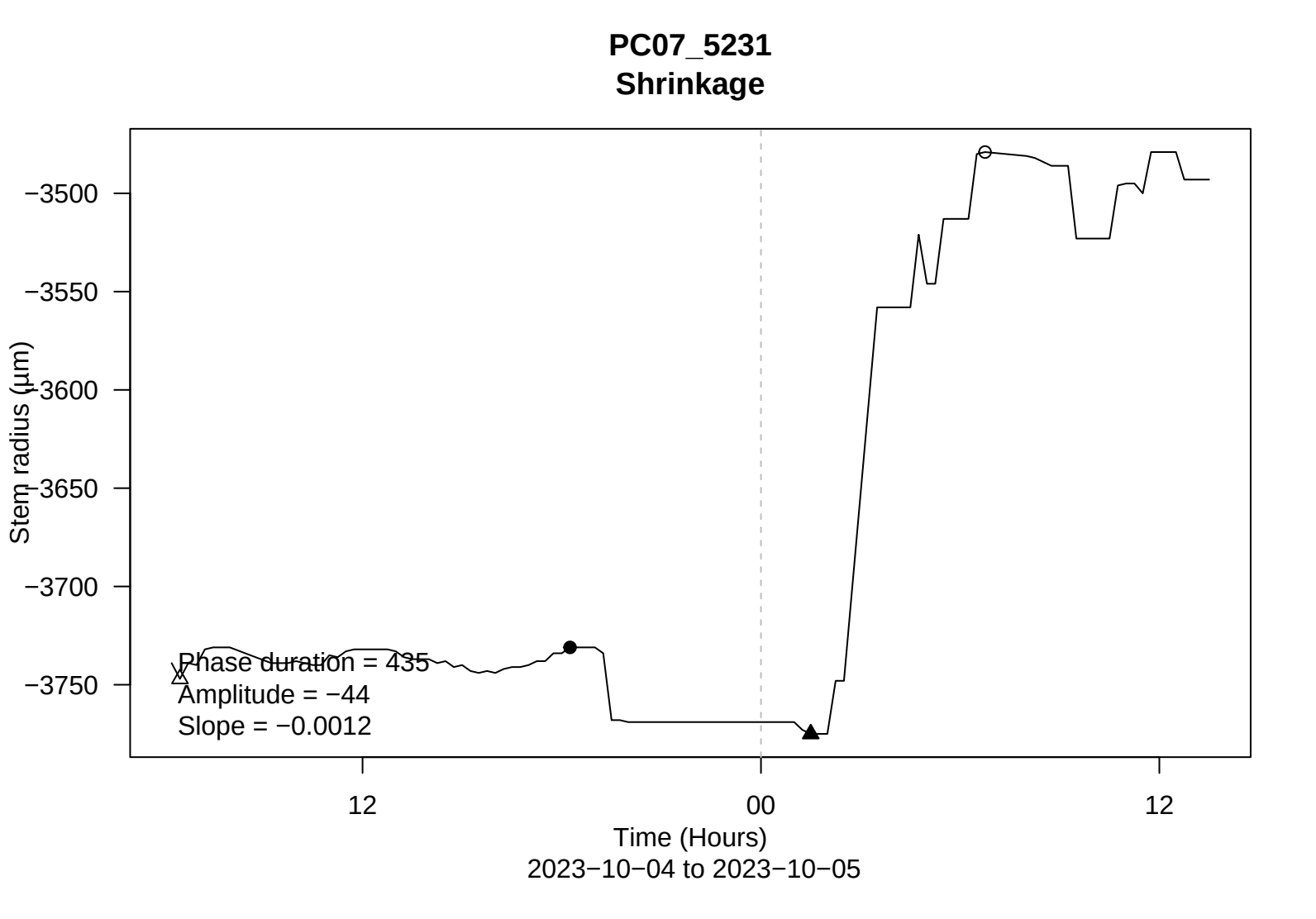

PC07_5231
Shrinkage
−3400
−3600
−3800
−4000
Stem radius (µm)
Phase duration = 825
Amplitude = −726
Slope = −0.0132
00
12
00
Time (Hours)
2023−10−02 to 2023−10−02

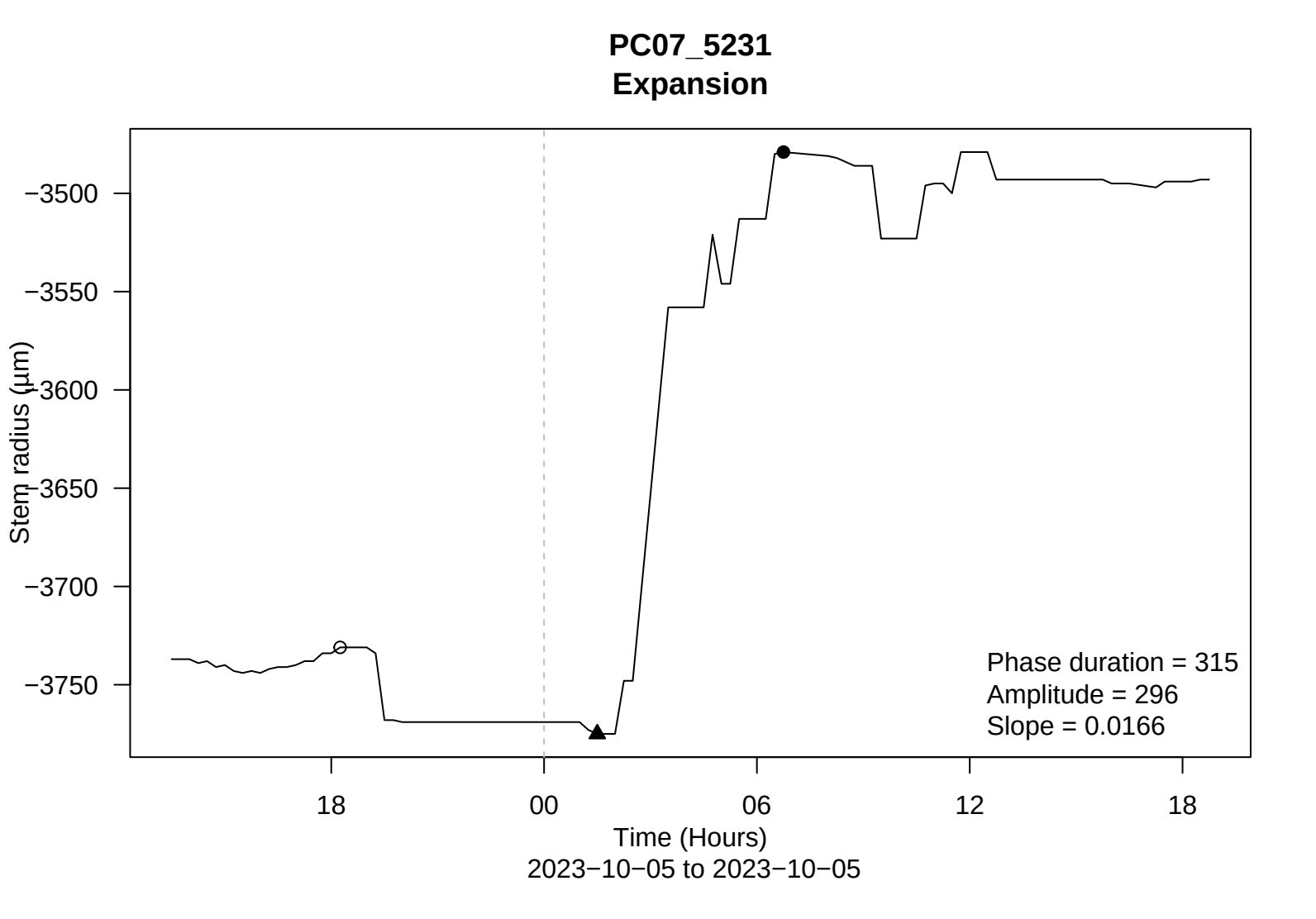

PC07_5231
Expansion
−3500
−3600
−3700
−3800
−3900
−4000
Stem radius (µm)
Phase duration = 390
Amplitude = 339
Slope = 0.0176
12
18
00
06
12
Time (Hours)
2023−10−02 to 2023−10−03

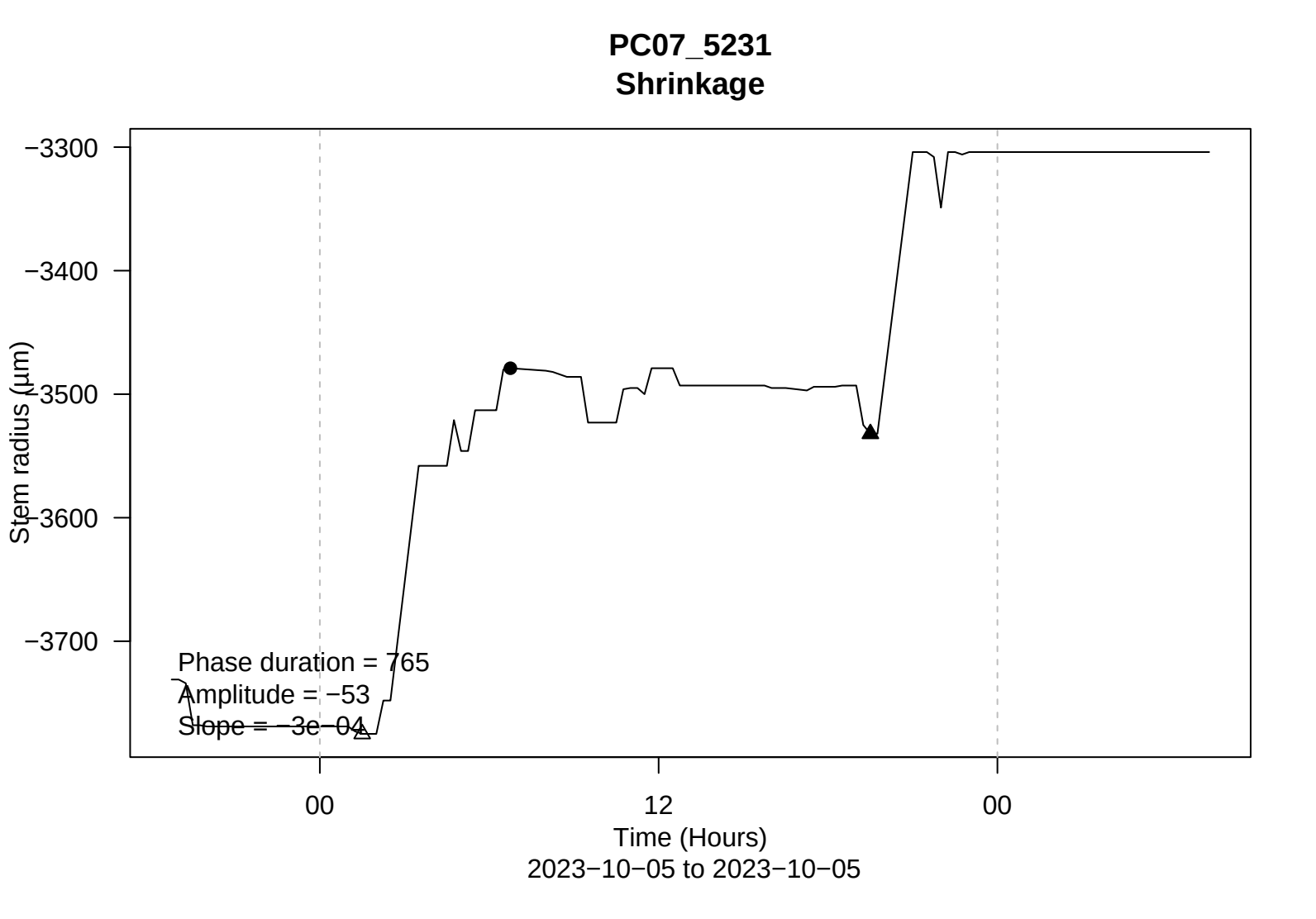

PC07_5231
Shrinkage
−3600
−3700
−3800
−3900
−4000
Stem radius (µm)
Phase duration = 780
Amplitude = −2
Slope = 0
00
12
00
Time (Hours)
2023−10−03 to 2023−10−03

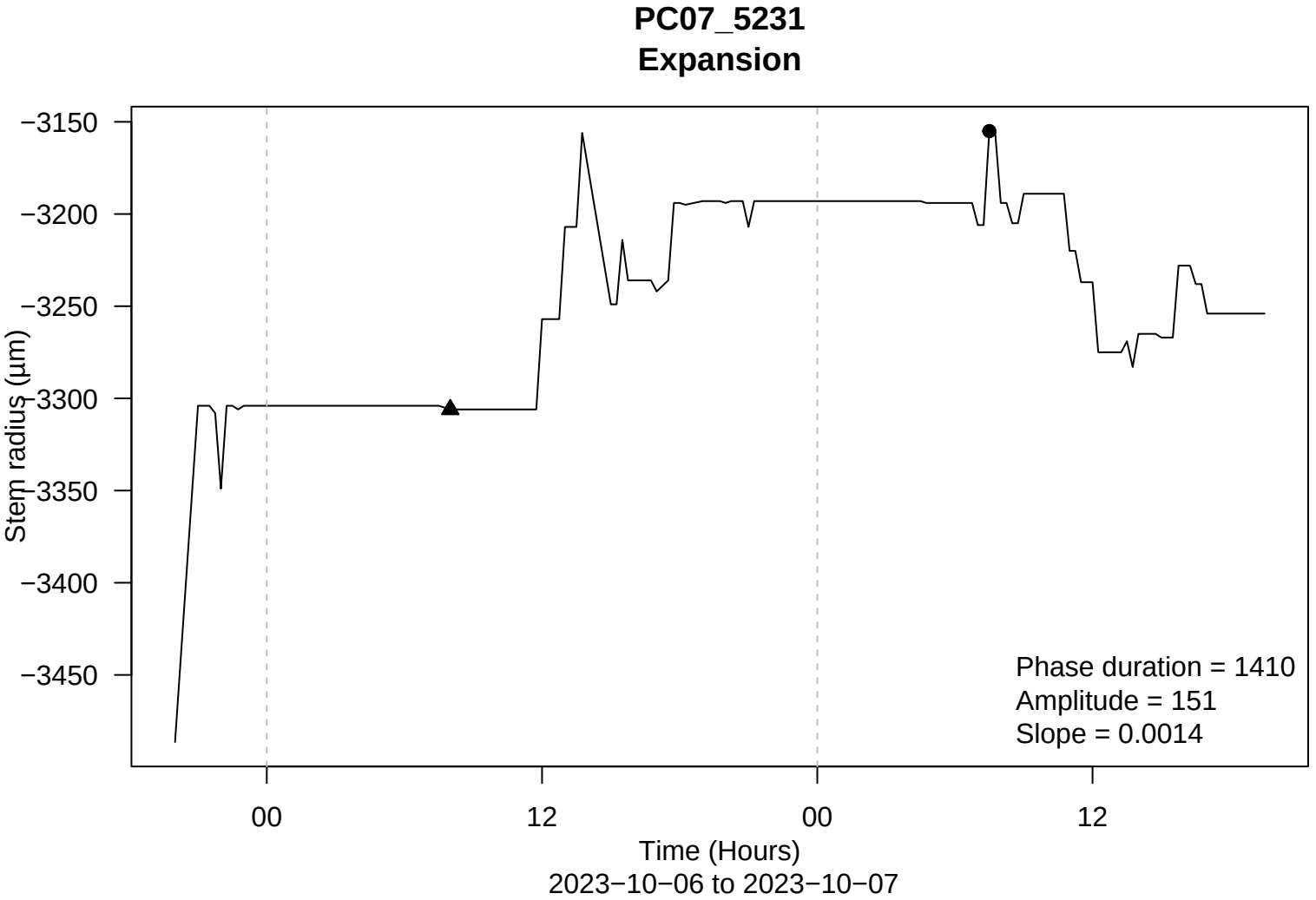

PC07_5231
Expansion
−3730
−3735
−3740
−3745
Stem radius (µm)
Phase duration = 405
Amplitude = 2
Slope = 0
12
00
12
Time (Hours)
2023−10−03 to 2023−10−04

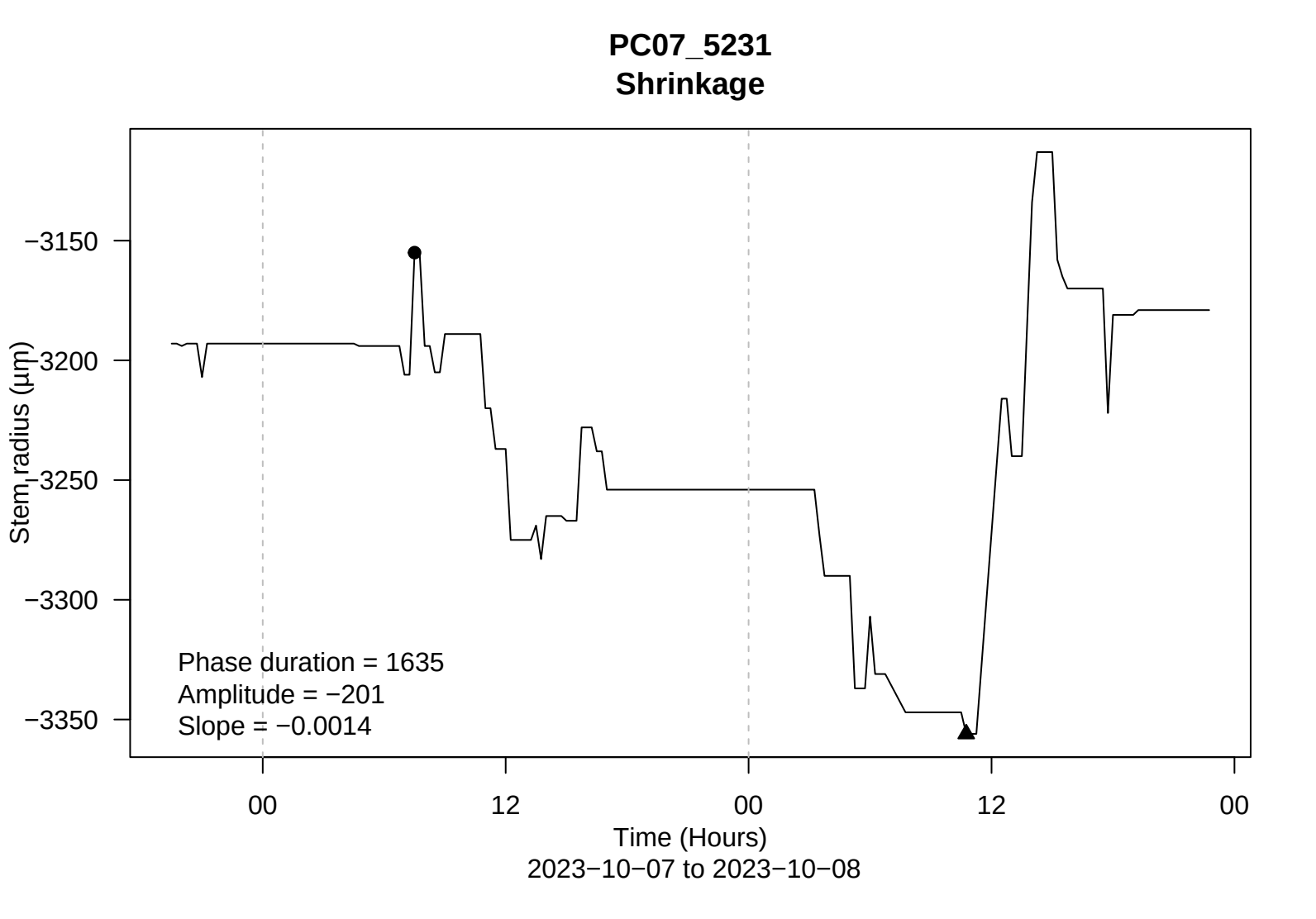

PC07_5231
Shrinkage
−3730
−3735
−3740
−3745
Stem radius (µm)
Phase duration = 390
Amplitude = −17
Slope = −4e−04
12
00
12
Time (Hours)
2023−10−04 to 2023−10−04

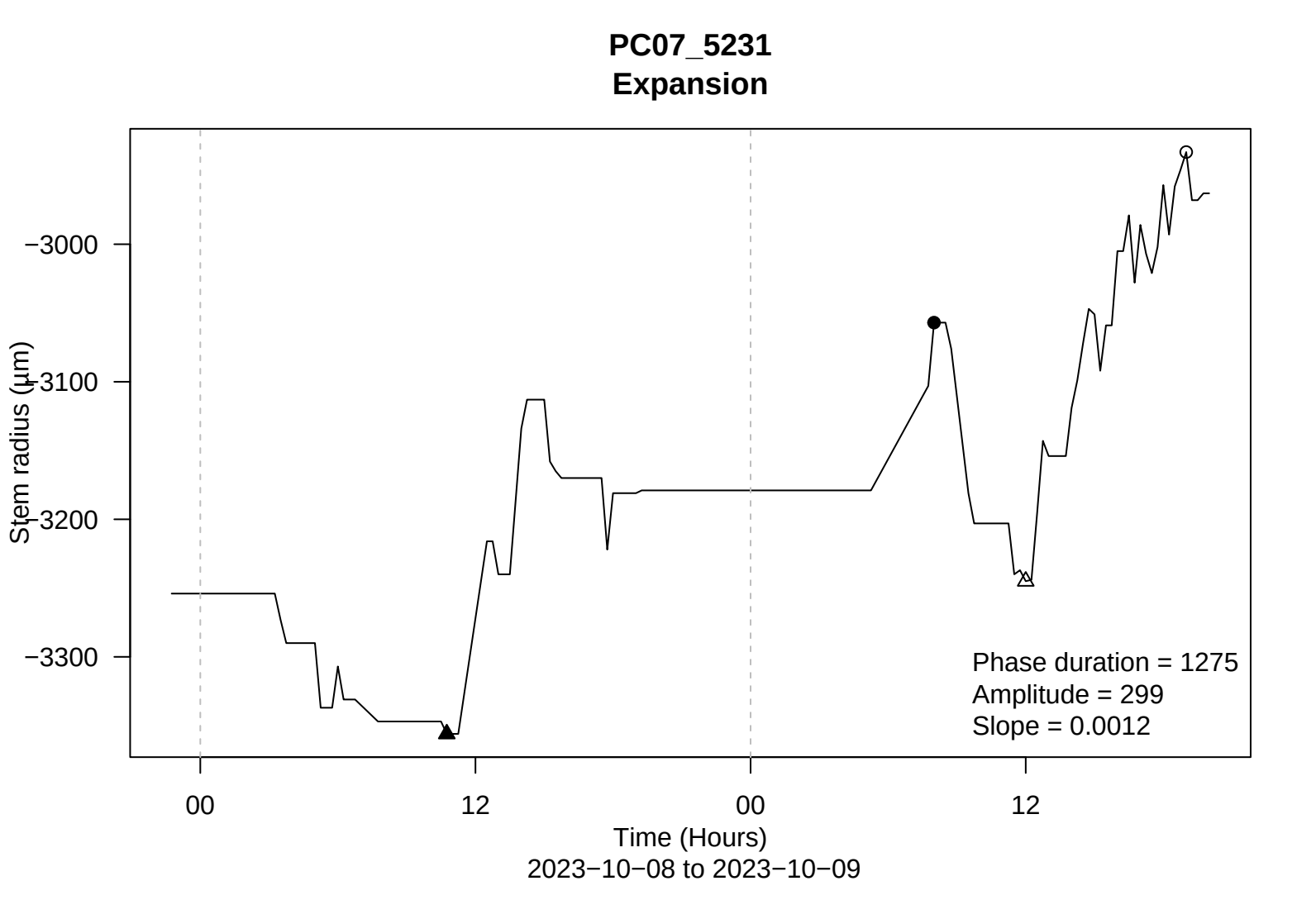

PC07_5231
Shrinkage
−3500
−3550
−3600
−3650
−3700
−3750
Stem radius (µm)
Phase duration = 435
Amplitude = −44
Slope = −0.0012
12
00
12
Time (Hours)
2023−10−04 to 2023−10−05

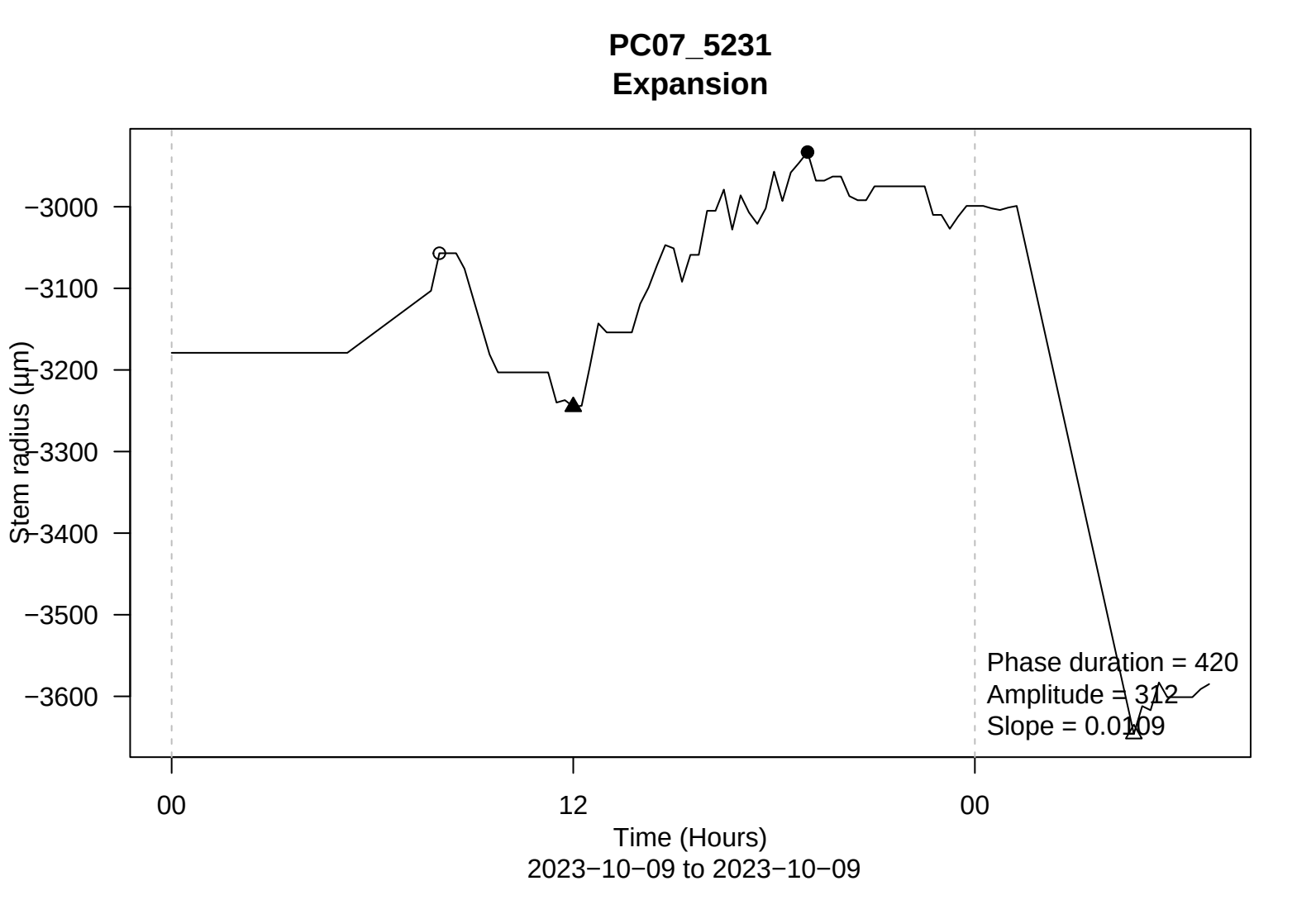

PC07_5231
Expansion
−3500
−3550
−3600
−3650
−3700
−3750
Stem radius (µm)
Phase duration = 315
Amplitude = 296
Slope = 0.0166
18
00
06
12
18
Time (Hours)
2023−10−05 to 2023−10−05

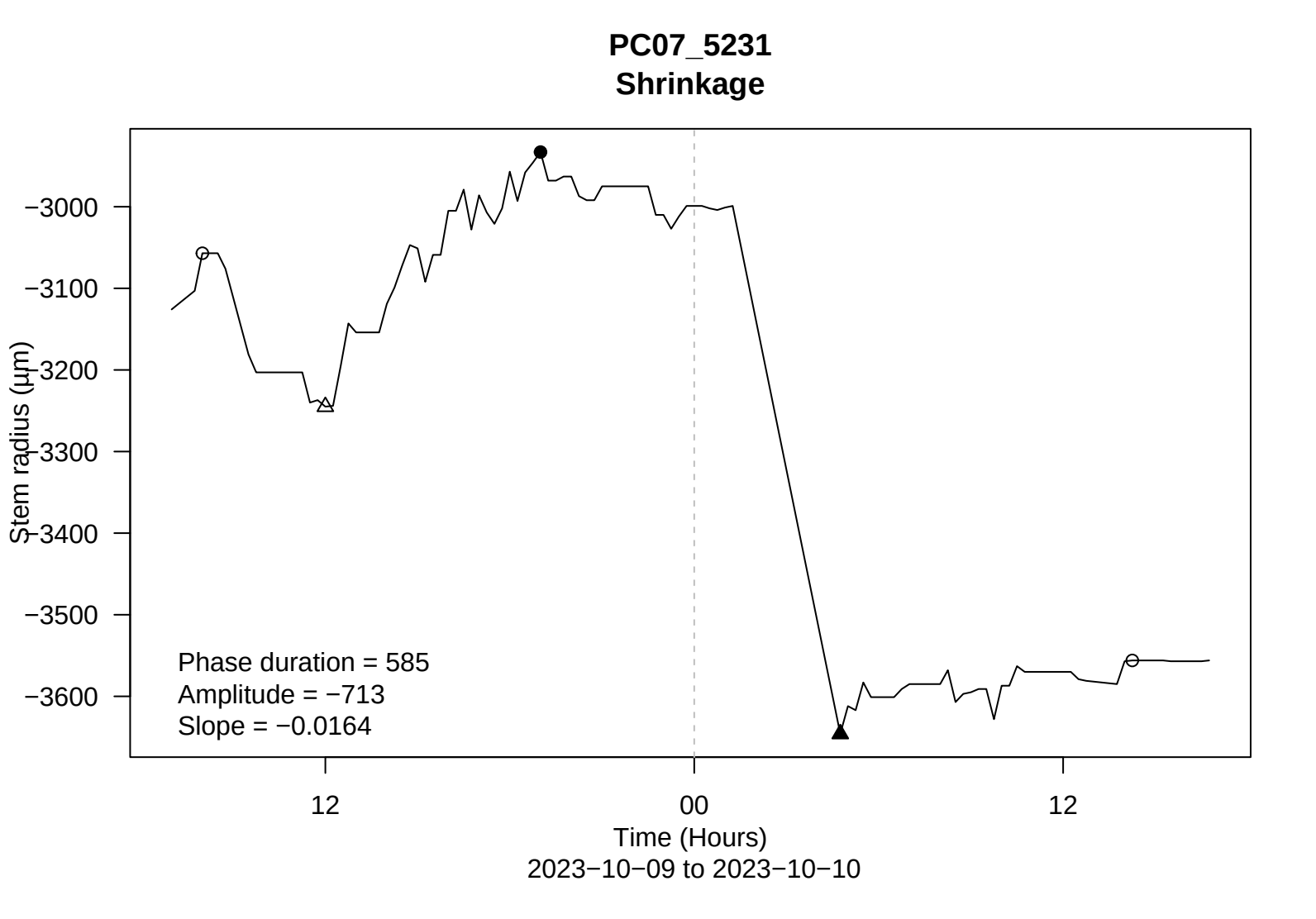

PC07_5231
Shrinkage
−3300
−3400
−3500
−3600
−3700
Stem radius (µm)
Phase duration = 765
Amplitude = −53
Slope = −3e−04
00
12
00
Time (Hours)
2023−10−05 to 2023−10−05

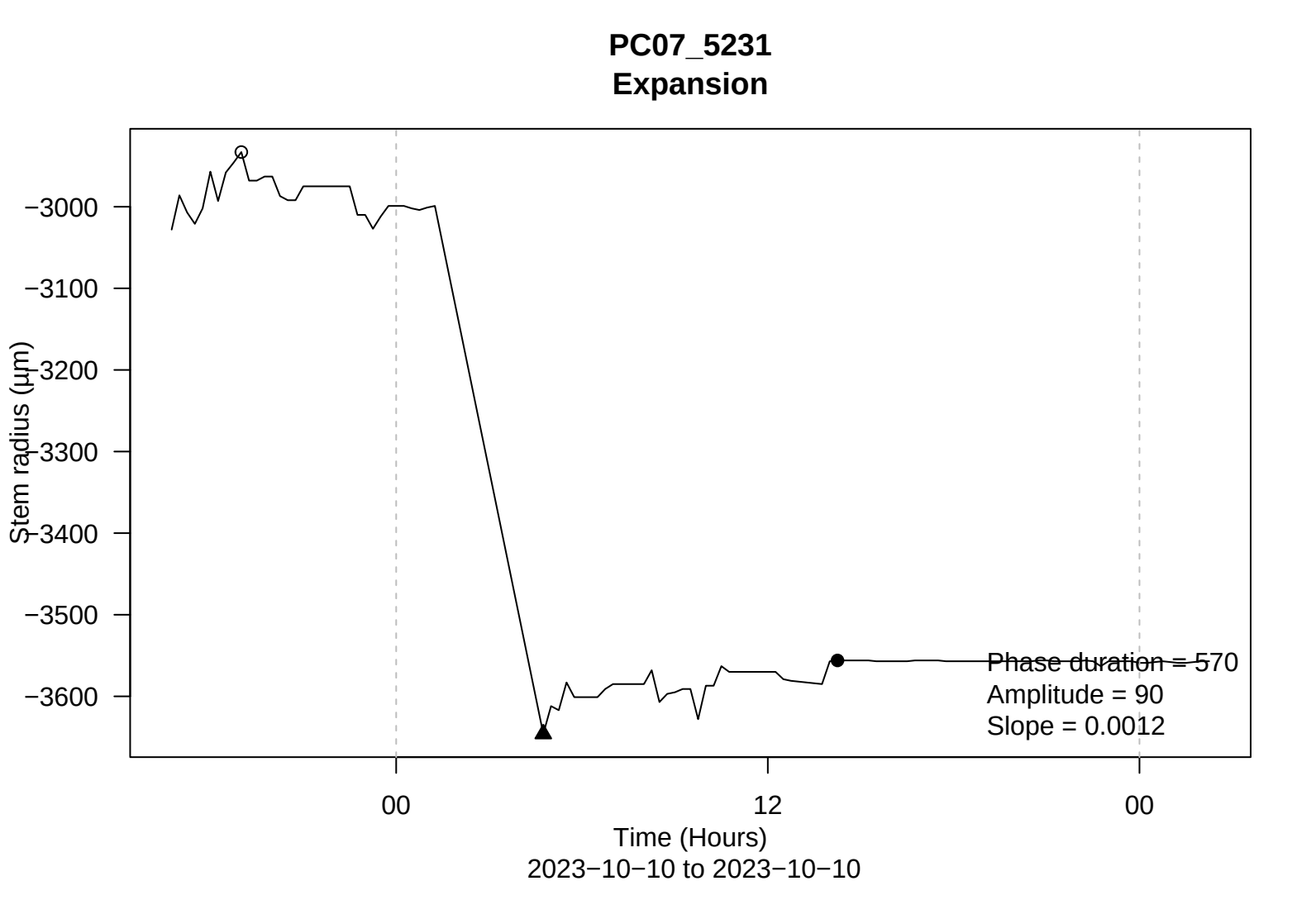

PC07_5231
Expansion
−3150
−3200
−3250
−3300
−3350
−3400
−3450
Stem radius (µm)
Phase duration = 1410
Amplitude = 151
Slope = 0.0014
00
12
00
12
Time (Hours)
2023−10−06 to 2023−10−07

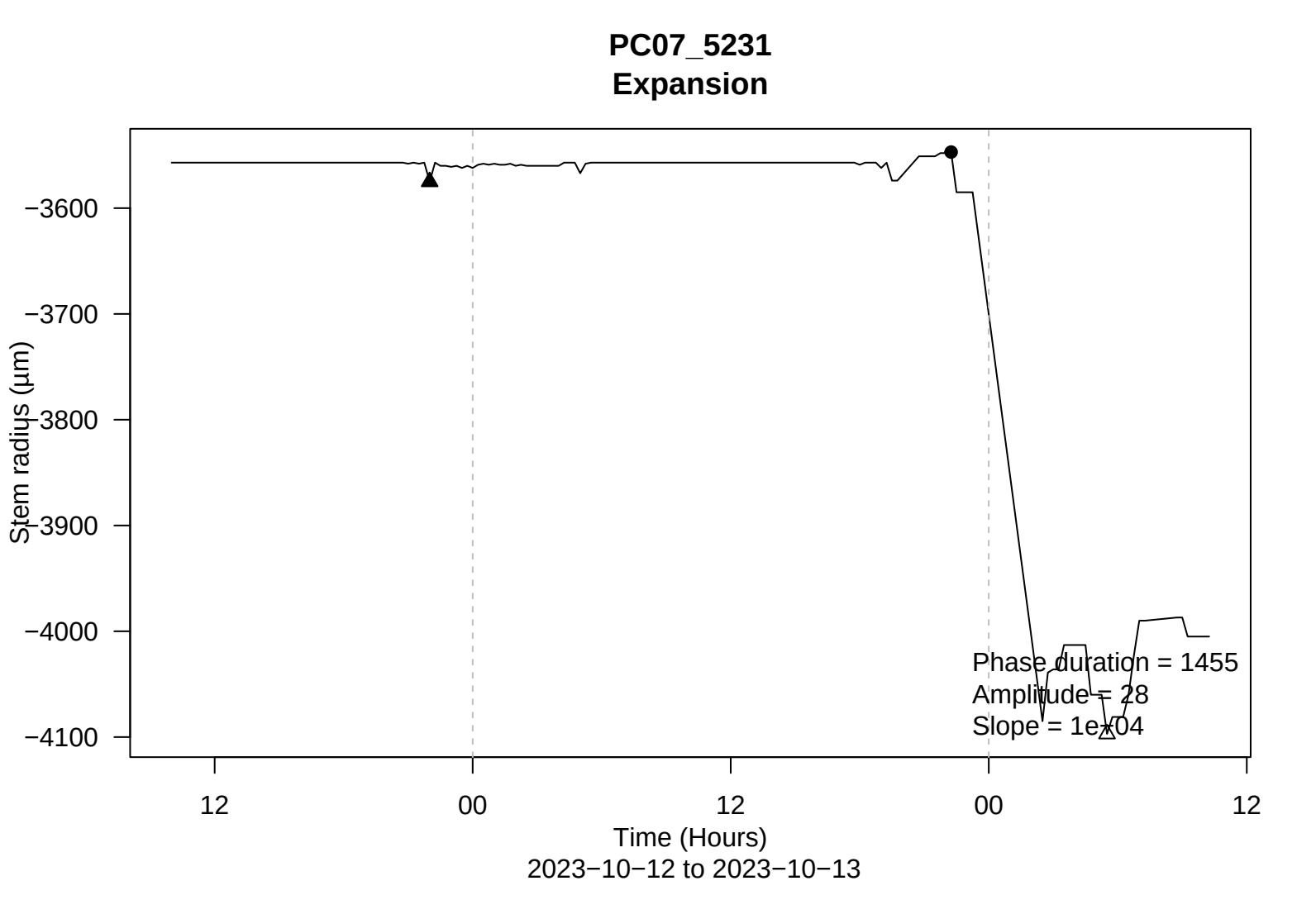

PC07_5231
Shrinkage
−3150
−3200
−3250
−3300
−3350
Stem radius (µm)
Phase duration = 1635
Amplitude = −201
Slope = −0.0014
00
12
00
12
00
Time (Hours)
2023−10−07 to 2023−10−08

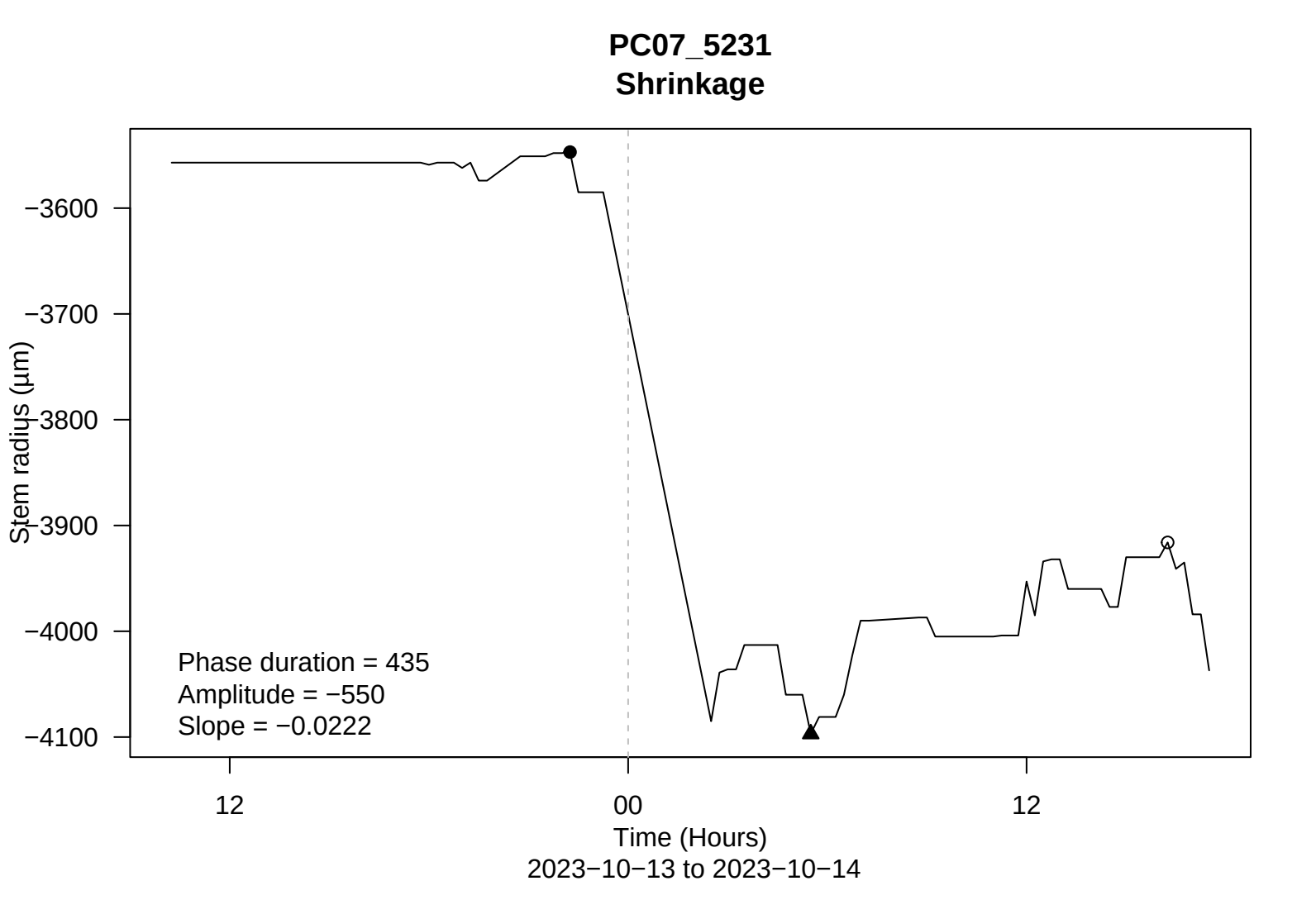

PC07_5231
Expansion
−3000
−3100
−3200
−3300
Stem radius (µm)
00
12
00
12
Time (Hours)
2023−10−08 to 2023−10−09
Phase duration = 1275
Amplitude = 299
Slope = 0.0012

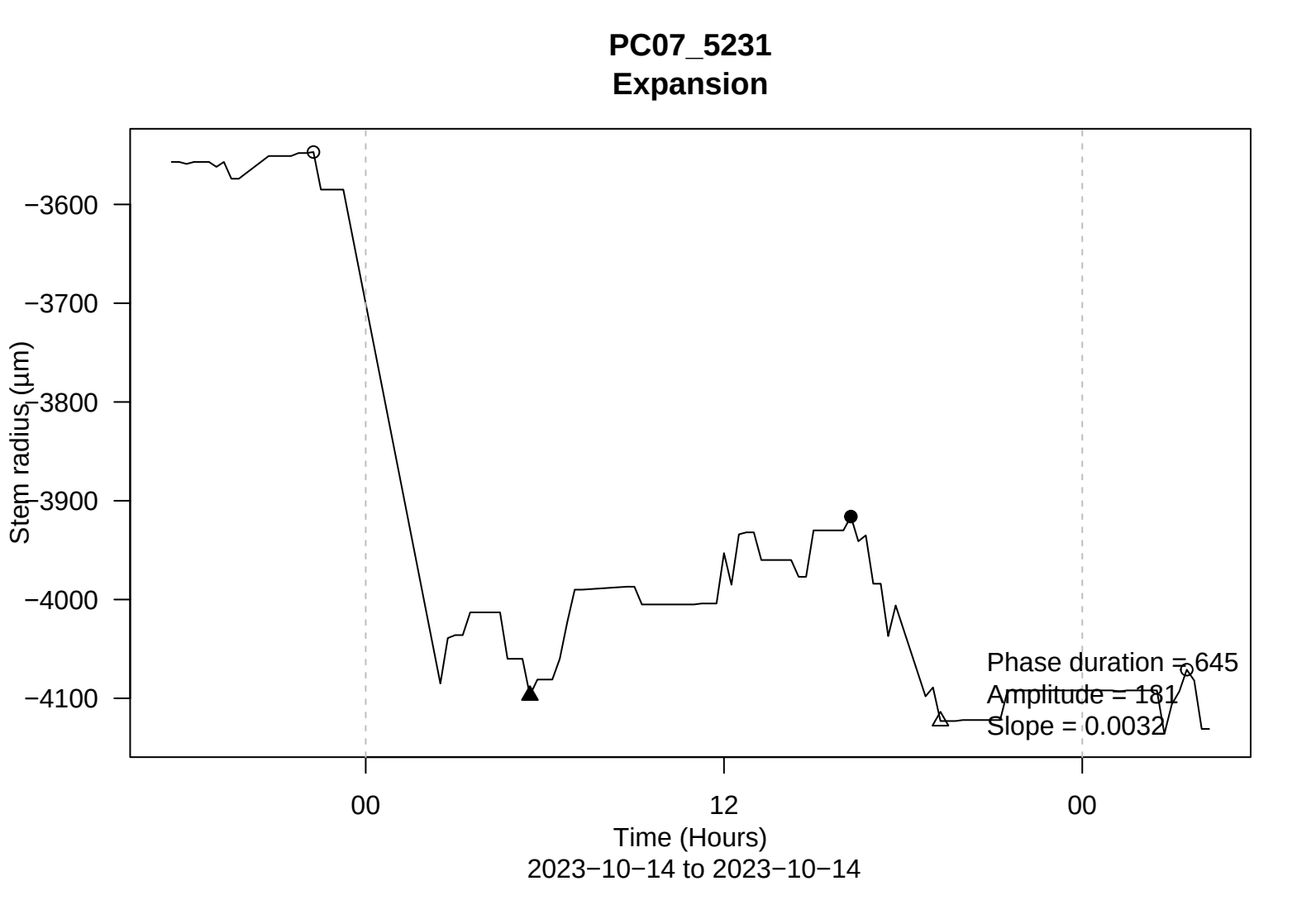

PC07_5231
Expansion
−3000
−3100
−3200
−3300
−3400
−3500
−3600
Stem radius (µm)
Phase duration = 420
Amplitude = 312
Slope = 0.0109
00
12
00
Time (Hours)
2023−10−09 to 2023−10−09

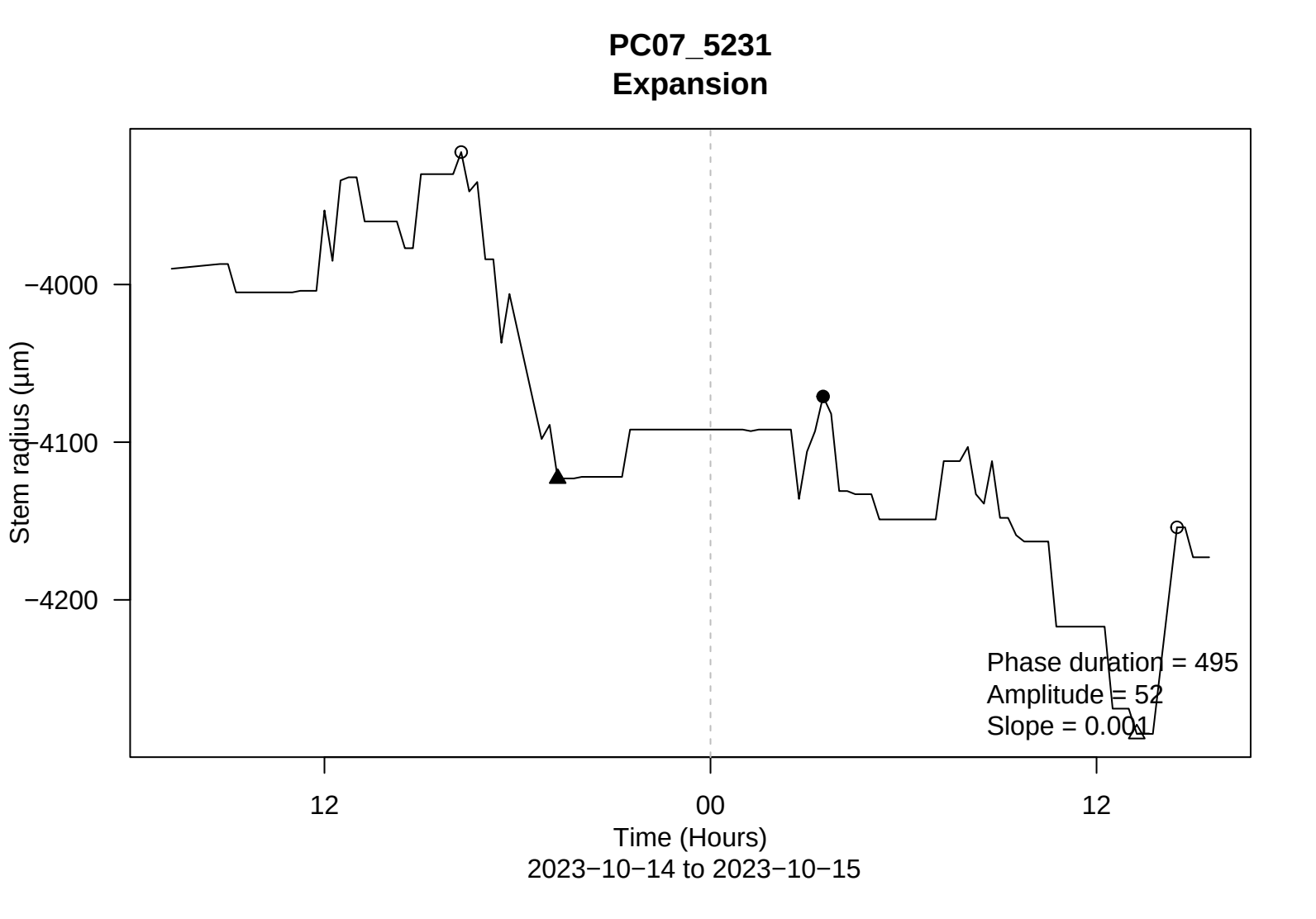

PC07_5231
Shrinkage
−3000
−3100
−3200
−3300
−3400
−3500
−3600
Stem radius (µm)
Phase duration = 585
Amplitude = −713
Slope = −0.0164
12
00
12
Time (Hours)
2023−10−09 to 2023−10−10

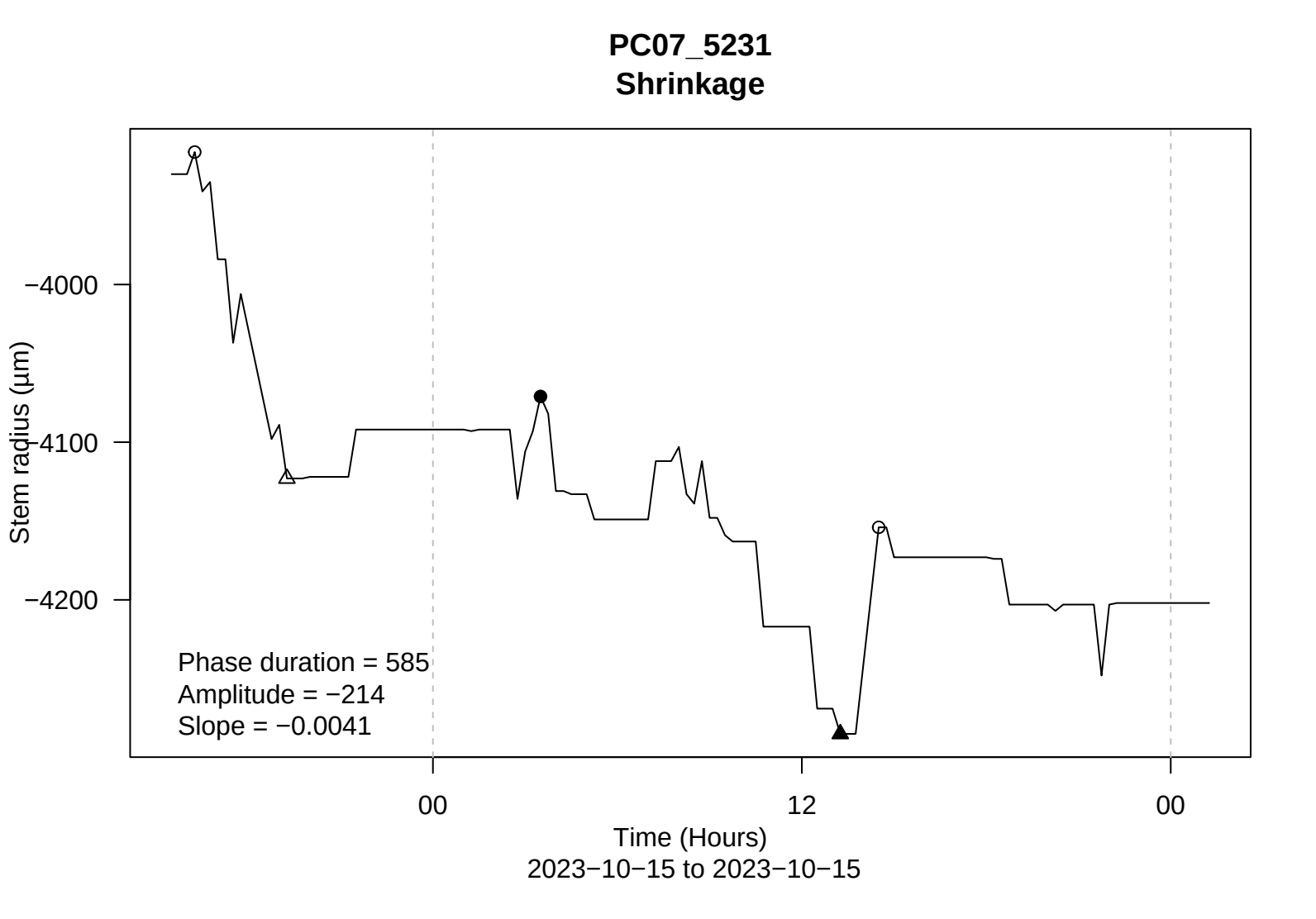

PC07_5231
Expansion
−3000
−3100
−3200
−3300
−3400
−3500
−3600
Stem radius (µm)
Phase duration = 570
Amplitude = 90
Slope = 0.0012
00
12
00
Time (Hours)
2023−10−10 to 2023−10−10

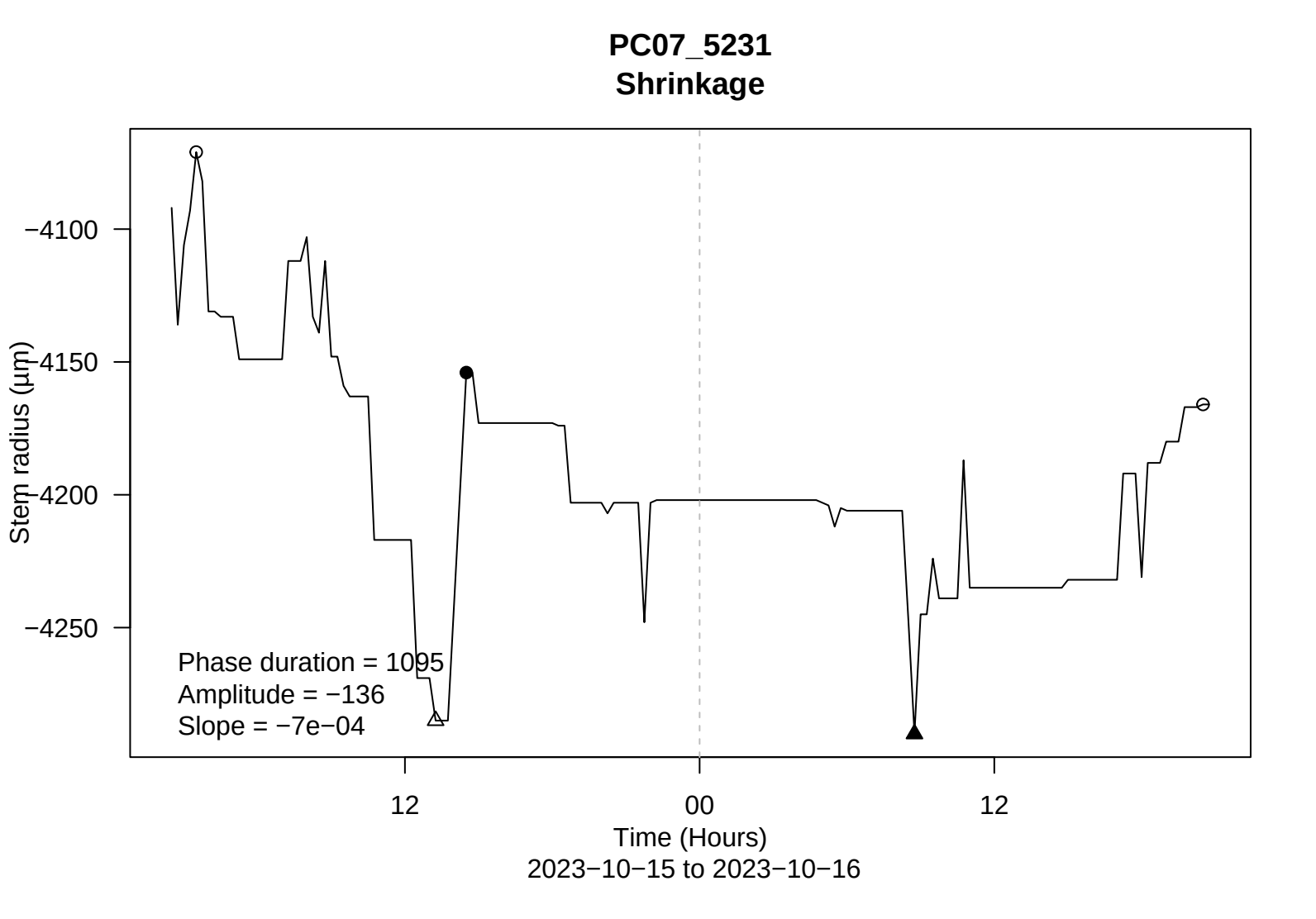

PC07_5231
Expansion
−3600
−3700
−3800
−3900
−4000
−4100
Stem radius (µm)
Phase duration = 1455
Amplitude = 28
Slope = 1e+04
12
00
12
00
12
Time (Hours)
2023−10−12 to 2023−10−13

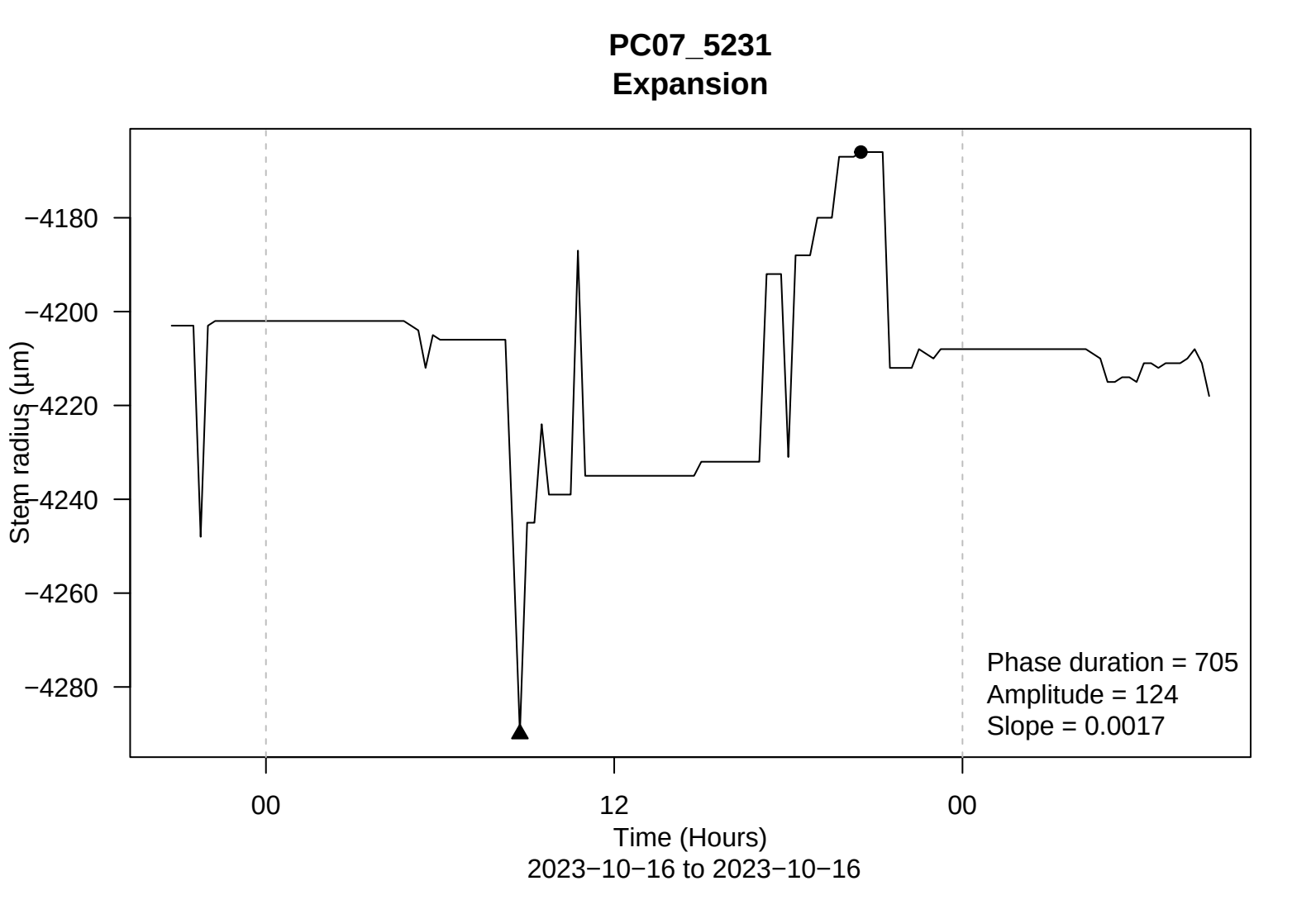

PC07_5231
Shrinkage
−3600
−3700
−3800
−3900
−4000
−4100
Stem radius (µm)
Phase duration = 435
Amplitude = −550
Slope = −0.0222
12
00
12
Time (Hours)
2023−10−13 to 2023−10−14

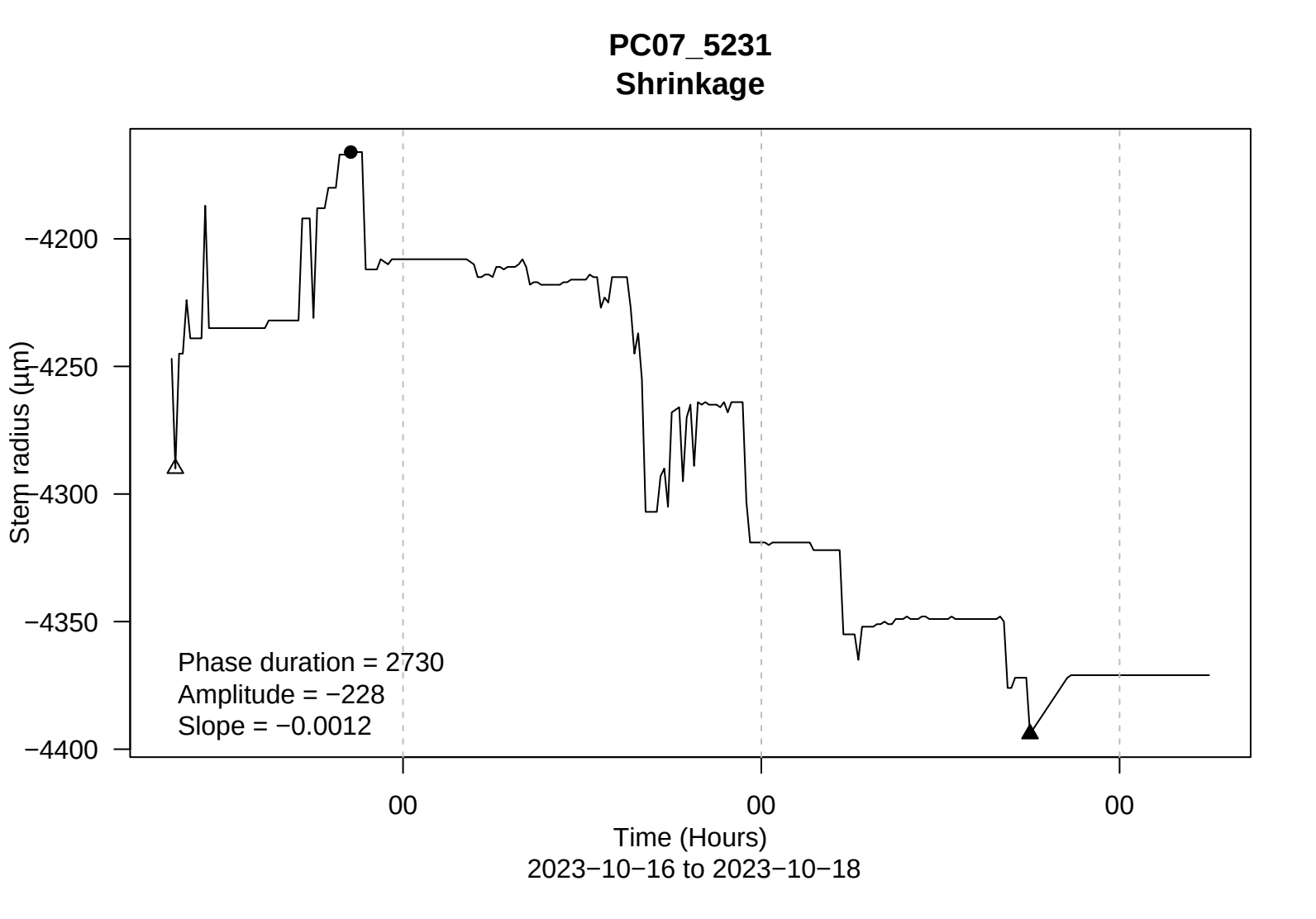

PC07_5231
Expansion
−3600
−3700
−3800
−3900
−4000
−4100
Stem radius (µm)
Phase duration = 645
Amplitude = 181
Slope = 0.0032
00
12
00
Time (Hours)
2023−10−14 to 2023−10−14

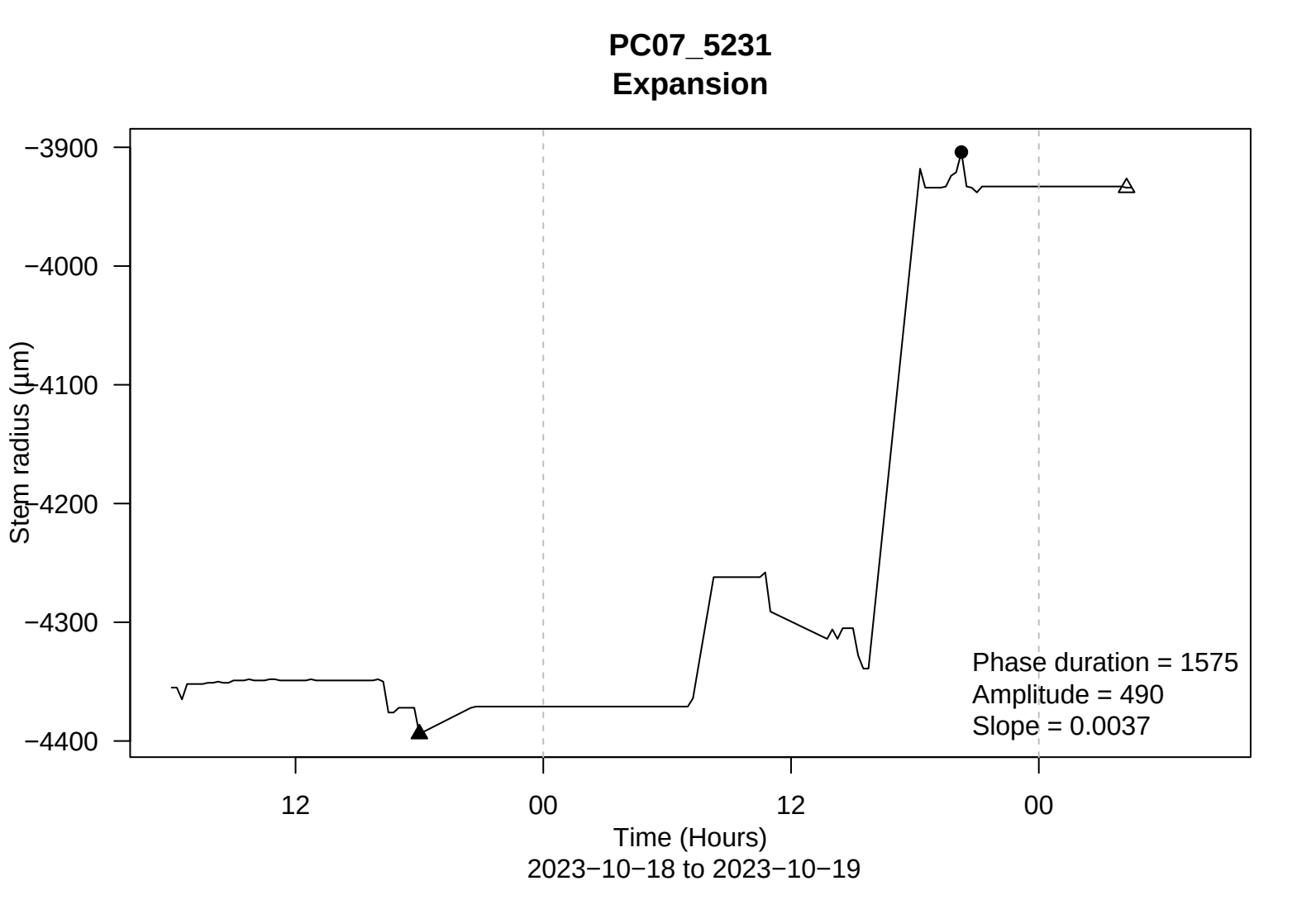

PC07_5231
Expansion
−4000
−4100
−4200
Stem radius (µm)
Phase duration = 495
Amplitude = 52
Slope = 0.001
12
00
12
Time (Hours)
2023−10−14 to 2023−10−15

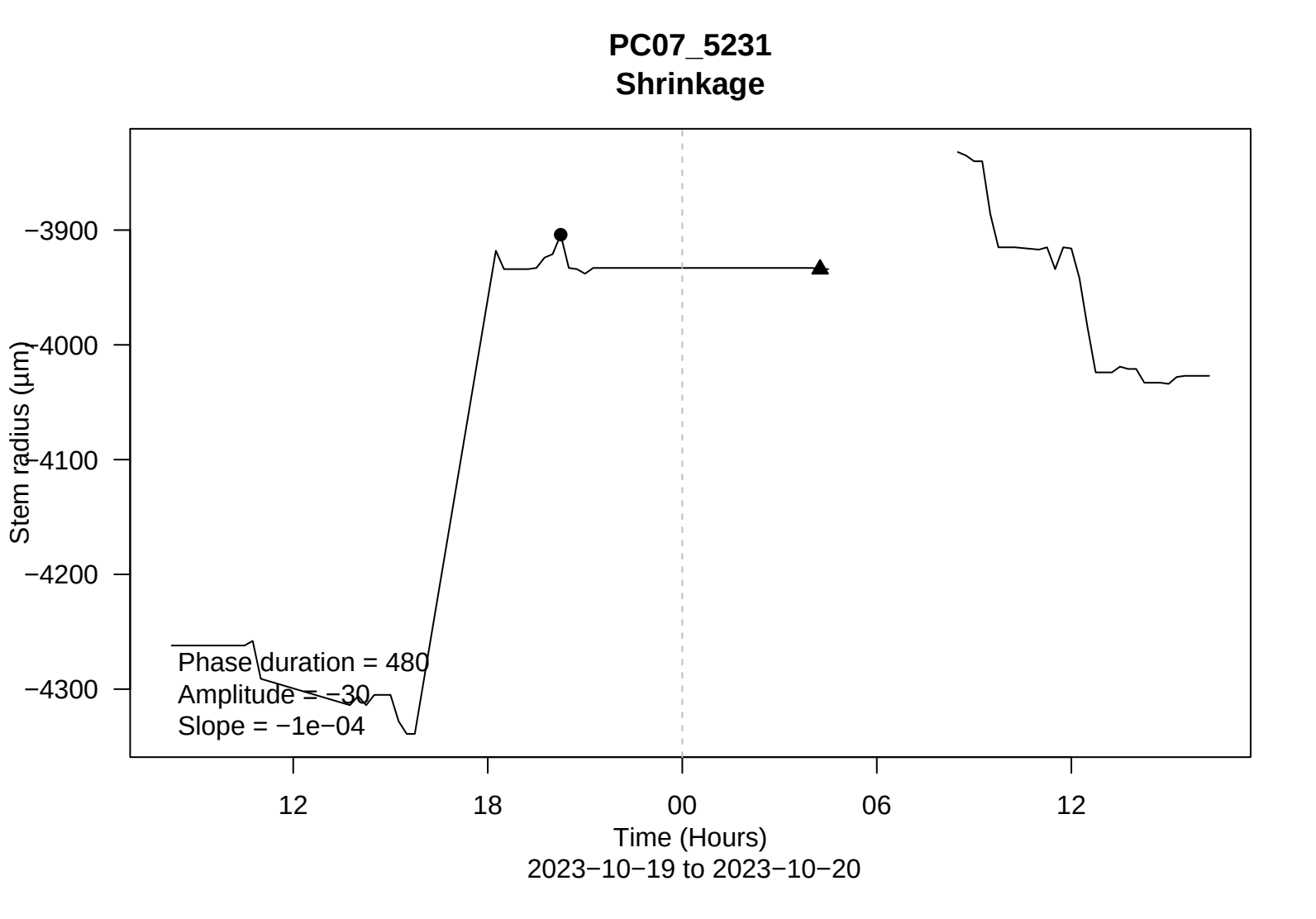

PC07_5231
Shrinkage
−4000
−4100
−4200
Stem radius (µm)
Phase duration = 585
Amplitude = −214
Slope = −0.0041
00
12
00
Time (Hours)
2023−10−15 to 2023−10−15

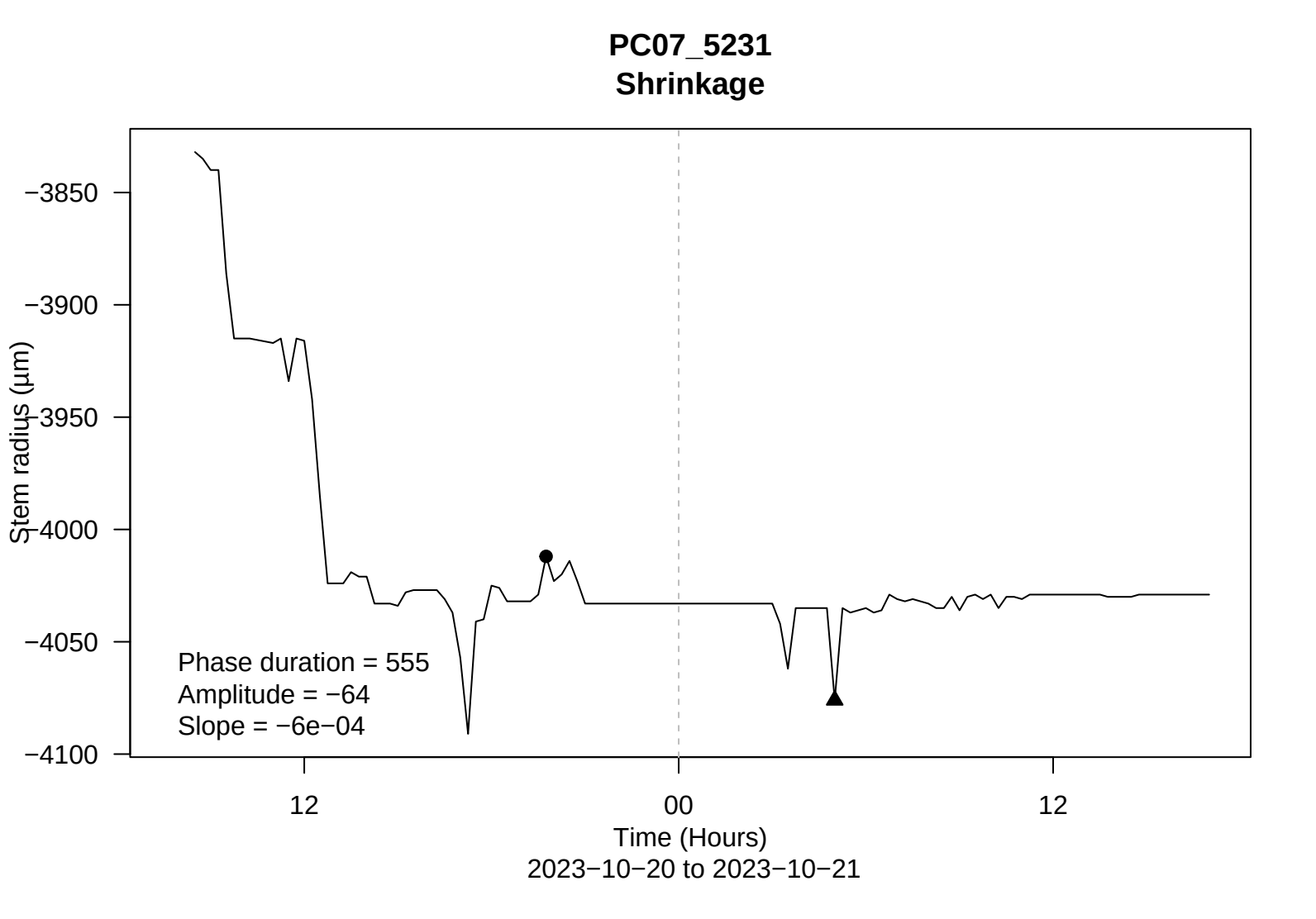

PC07_5231
Shrinkage
−4100
−4150
−4200
−4250
Stem radius (µm)
Phase duration = 1095
Amplitude = −136
Slope = −7e−04
12
00
12
Time (Hours)
2023−10−15 to 2023−10−16

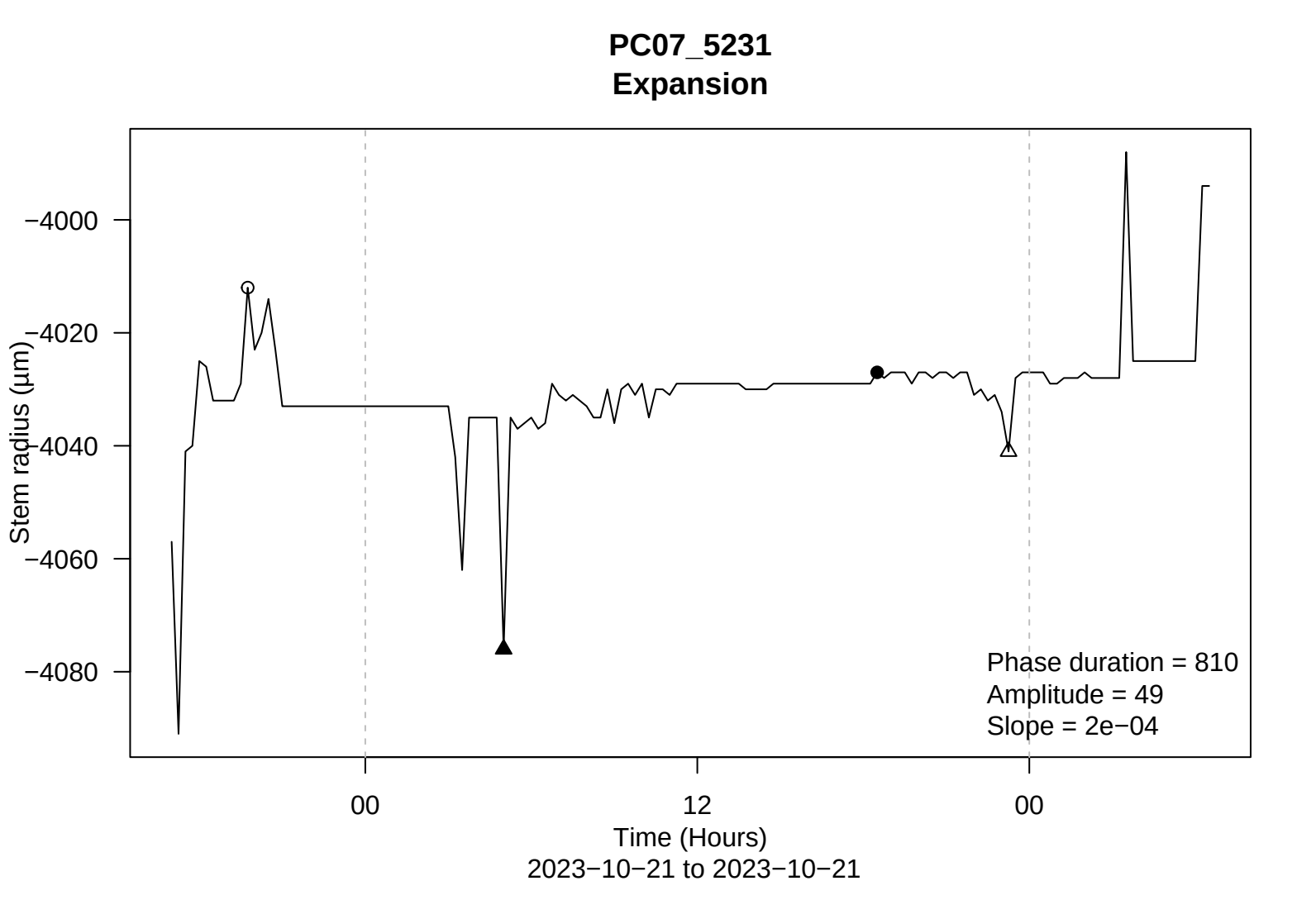

PC07_5231
Expansion
−4180
−4200
−4220
−4240
−4260
−4280
Stem radius (µm)
Phase duration = 705
Amplitude = 124
Slope = 0.0017
00
12
00
Time (Hours)
2023−10−16 to 2023−10−16

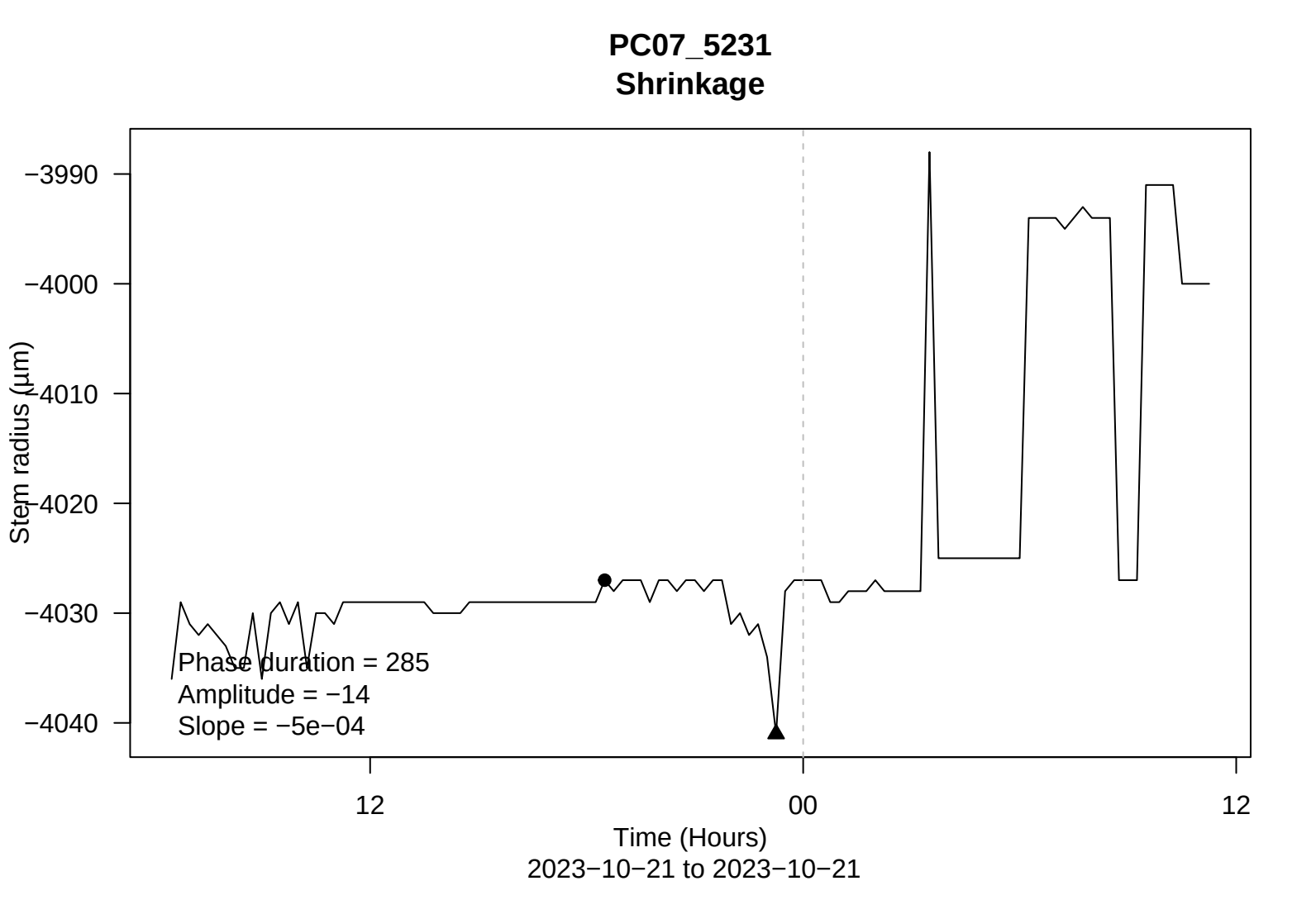

PC07_5231
Shrinkage
Stem radius (µm)
−4200
−4250
−4300
−4350
−4400
Phase duration = 2730
Amplitude = −228
Slope = −0.0012
00
00
00
Time (Hours)
2023−10−16 to 2023−10−18

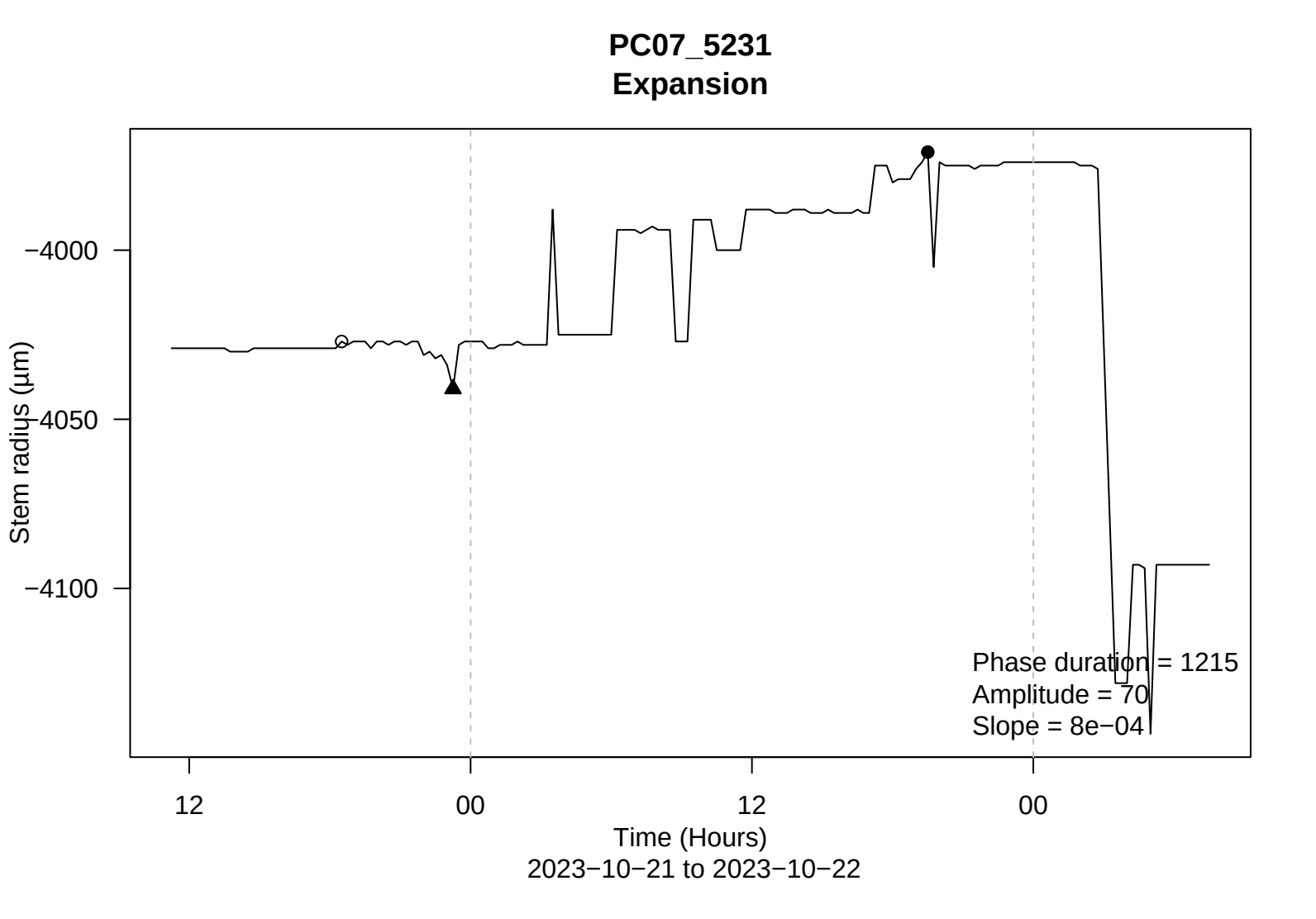

PC07_5231
Expansion
−3900
−4000
−4100
−4200
−4300
−4400
Stem radius (µm)
Phase duration = 1575
Amplitude = 490
Slope = 0.0037
12
00
12
00
Time (Hours)
2023−10−18 to 2023−10−19

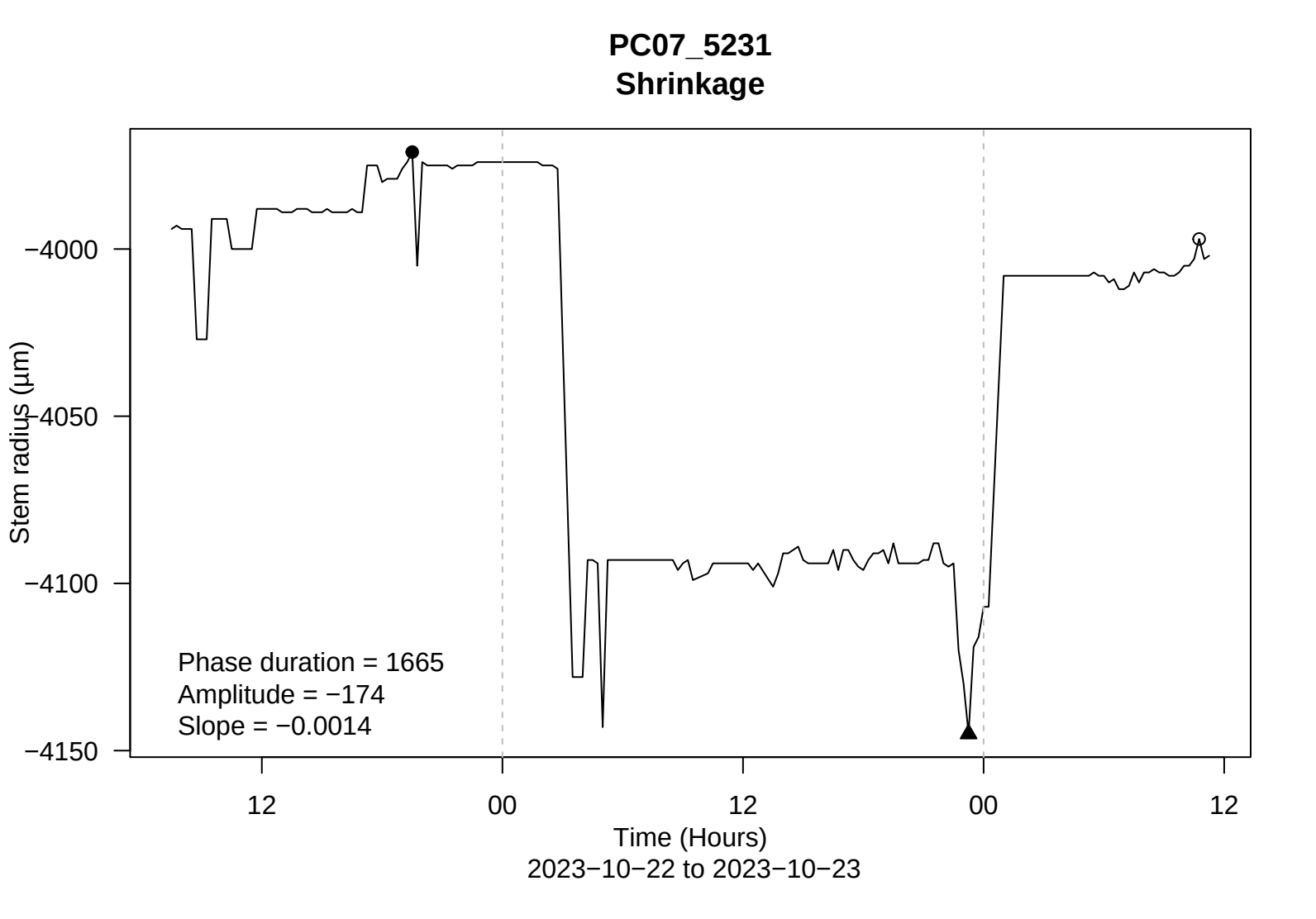

PC07_5231
Shrinkage
−3900
−4000
−4100
−4200
−4300
Stem radius (µm)
Phase duration = 480
Amplitude = −30
Slope = −1e−04
12
18
00
06
12
Time (Hours)
2023−10−19 to 2023−10−20

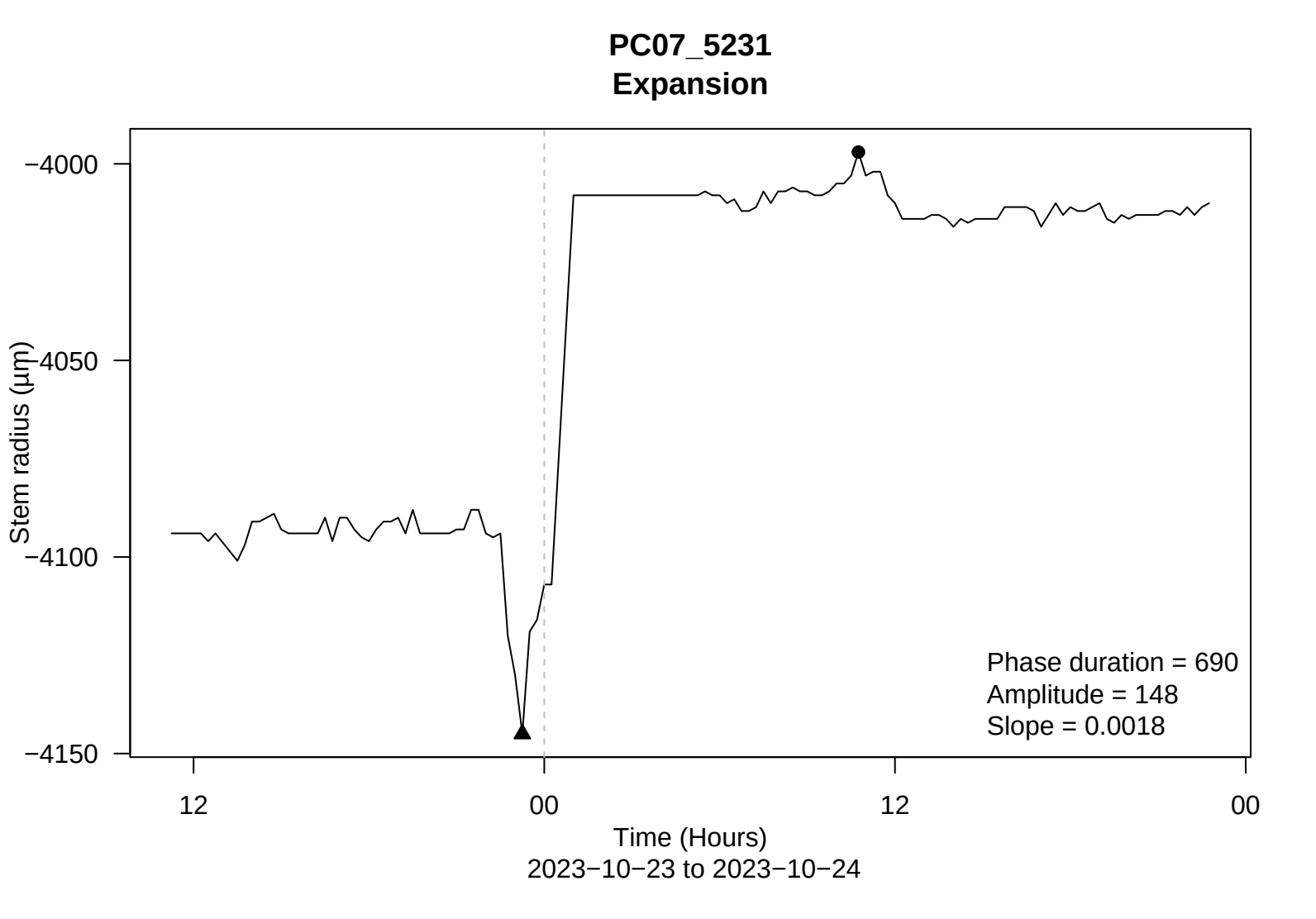

PC07_5231
Shrinkage
−3850
−3900
−3950
−4000
−4050
−4100
Stem radius (µm)
Phase duration = 555
Amplitude = −64
Slope = −6e−04
12
00
12
Time (Hours)
2023−10−20 to 2023−10−21

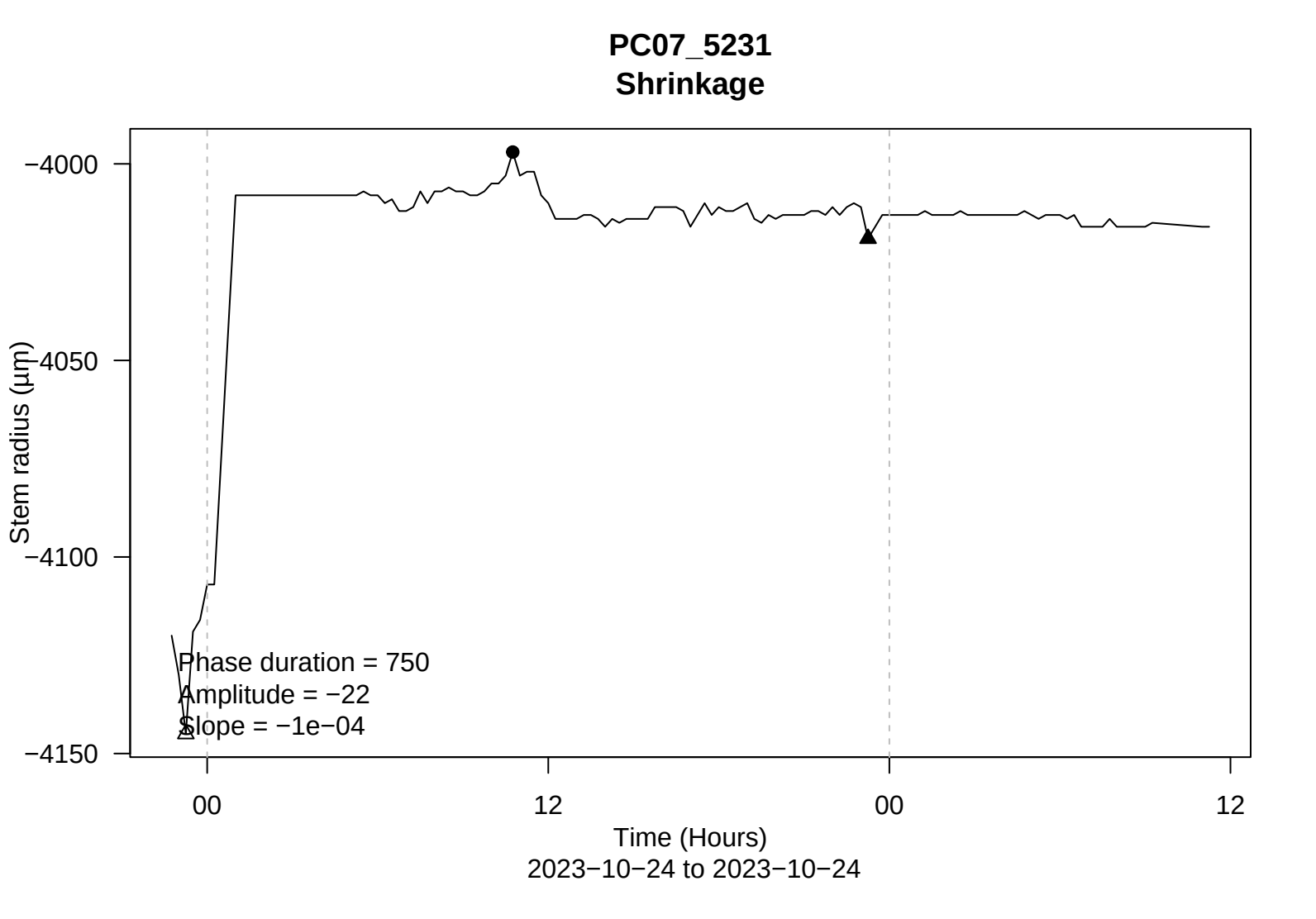

PC07_5231
Expansion
−4000
−4020
−4040
−4060
−4080
Stem radius (µm)
Phase duration = 810
Amplitude = 49
Slope = 2e−04
00
12
00
Time (Hours)
2023−10−21 to 2023−10−21

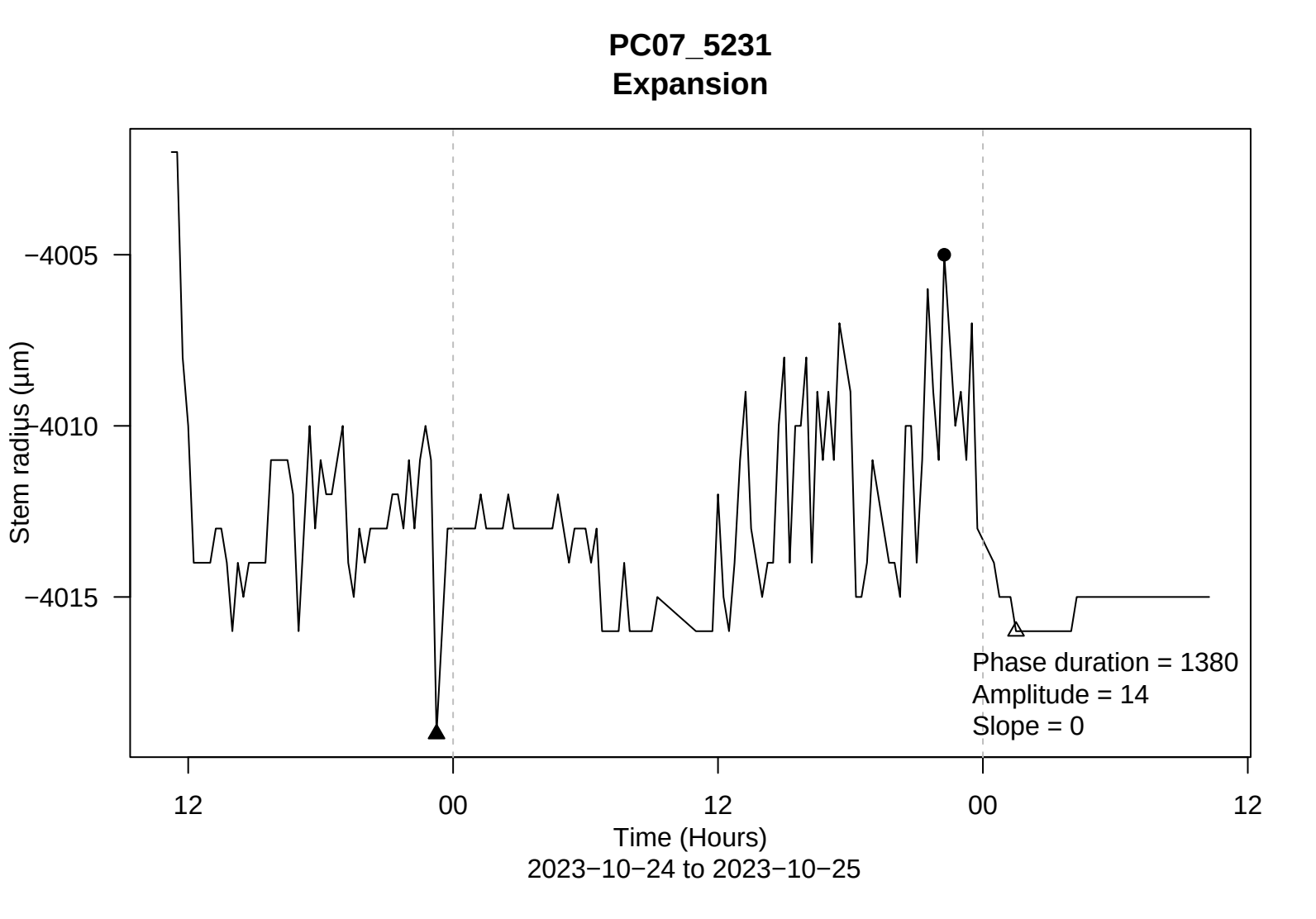

PC07_5231
Shrinkage
−3990
−4000
−4010
−4020
−4030
−4040
Stem radius (µm)
Phase duration = 285
Amplitude = −14
Slope = −5e−04
12
00
12
Time (Hours)
2023−10−21 to 2023−10−21

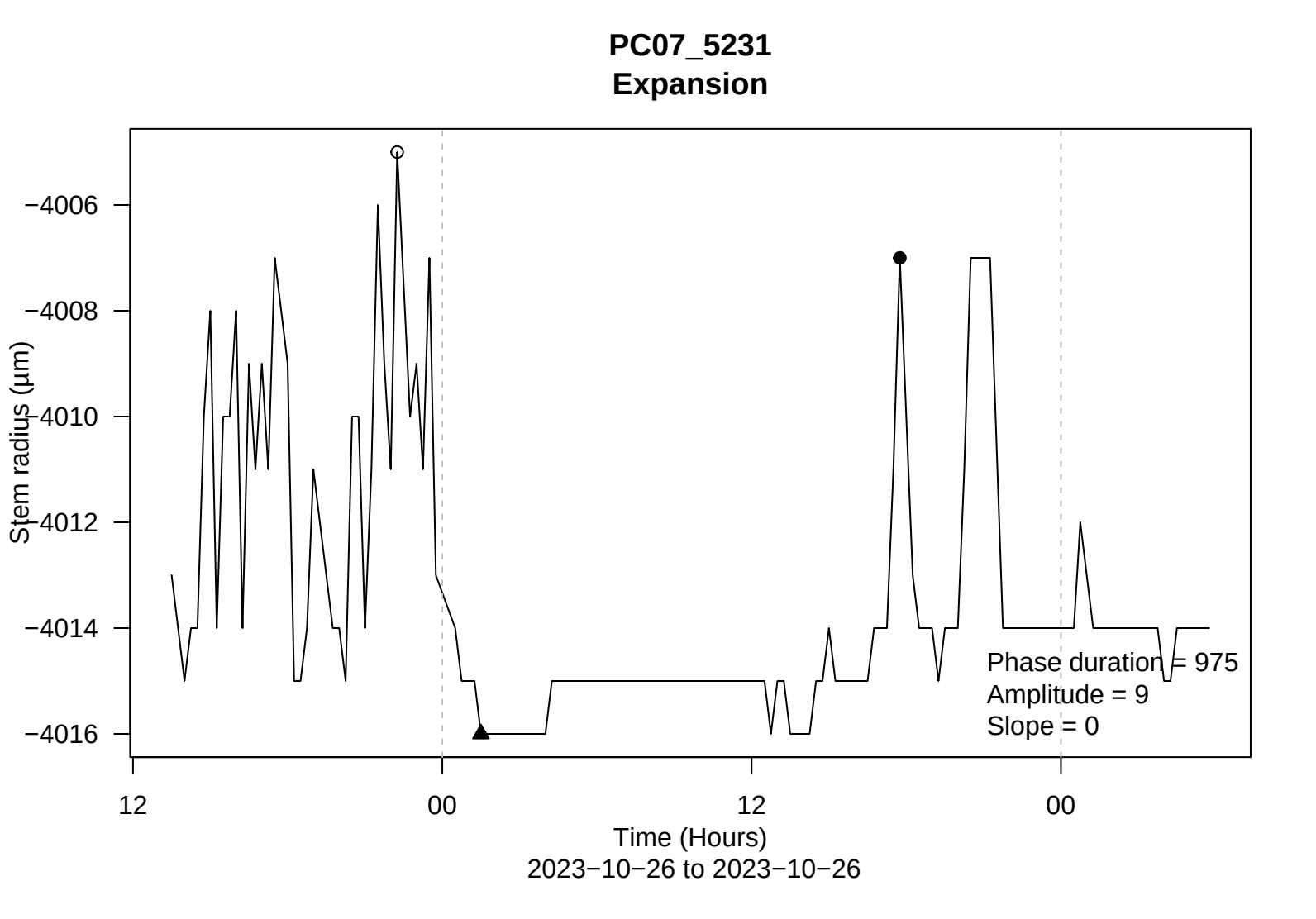

PC07_5231
Expansion
−4000
−4050
−4100
Stem radius (µm)
Phase duration = 1215
Amplitude = 70
Slope = 8e−04
12
00
12
00
Time (Hours)
2023−10−21 to 2023−10−22

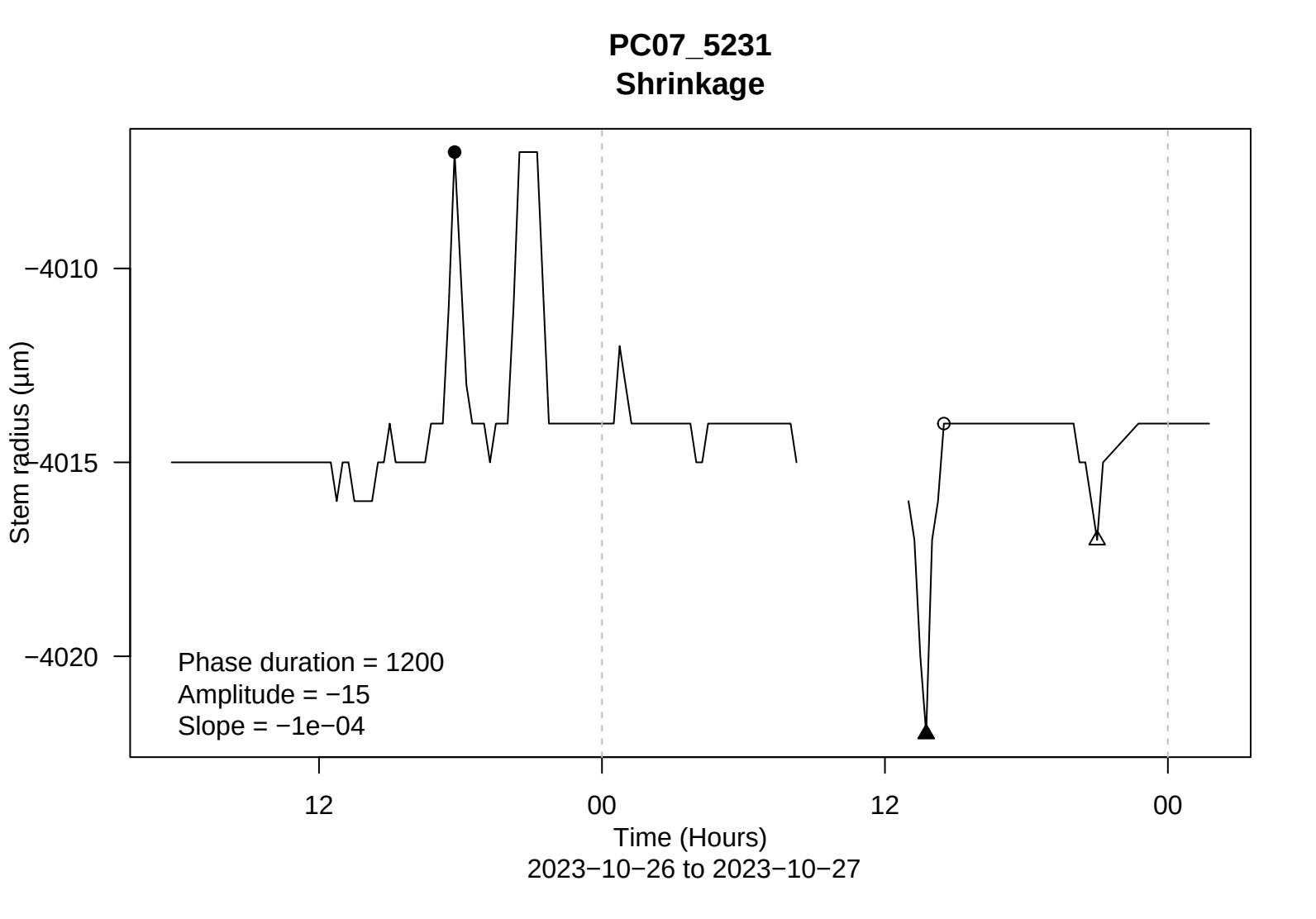

PC07_5231
Shrinkage
Stem radius (µm)
−4000
−4050
−4100
−4150
Phase duration = 1665
Amplitude = −174
Slope = −0.0014
12
00
12
00
12
Time (Hours)
2023−10−22 to 2023−10−23

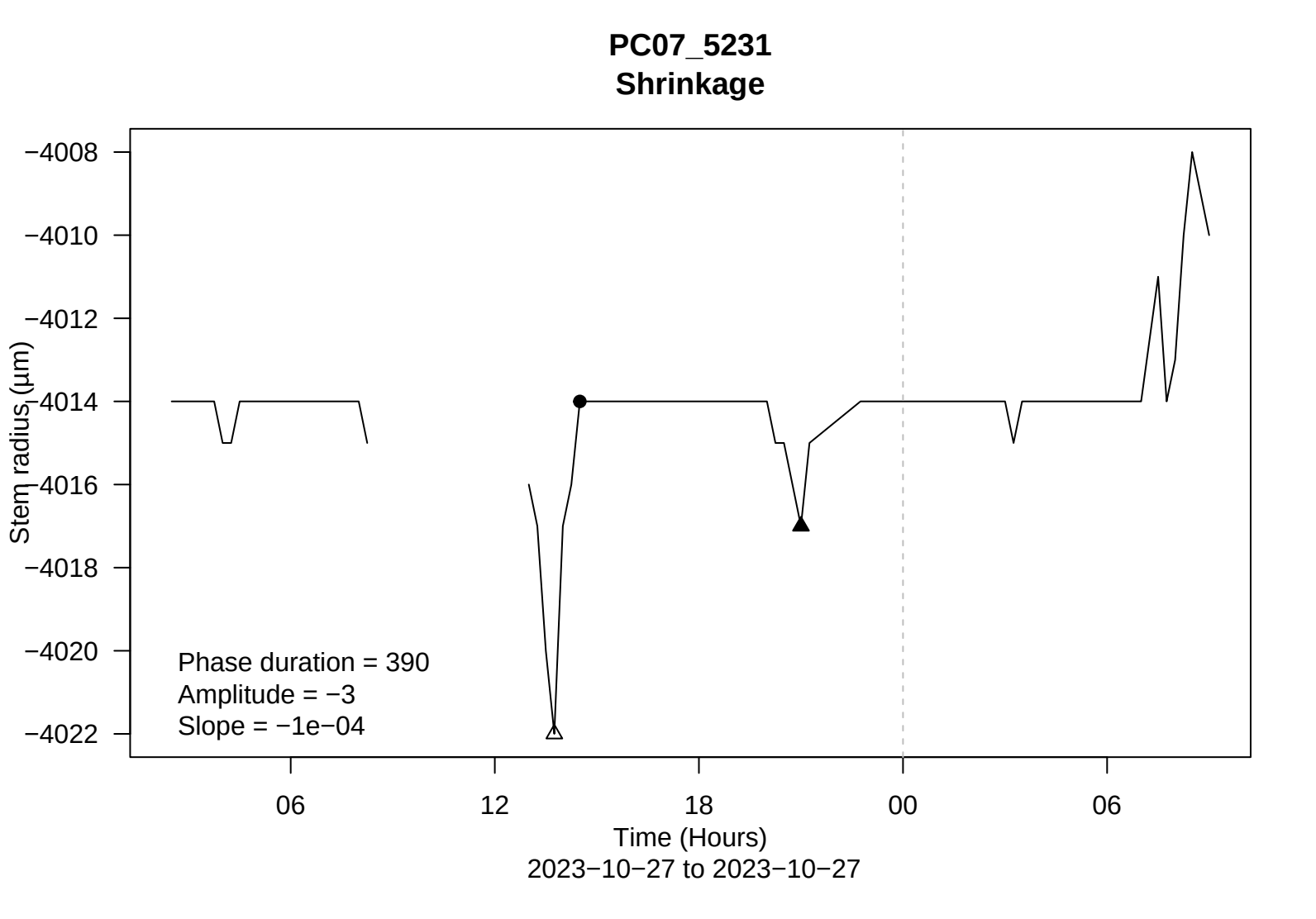

PC07_5231
Expansion
−4000
−4050
−4100
−4150
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−10−23 to 2023−10−24
Phase duration = 690
Amplitude = 148
Slope = 0.0018

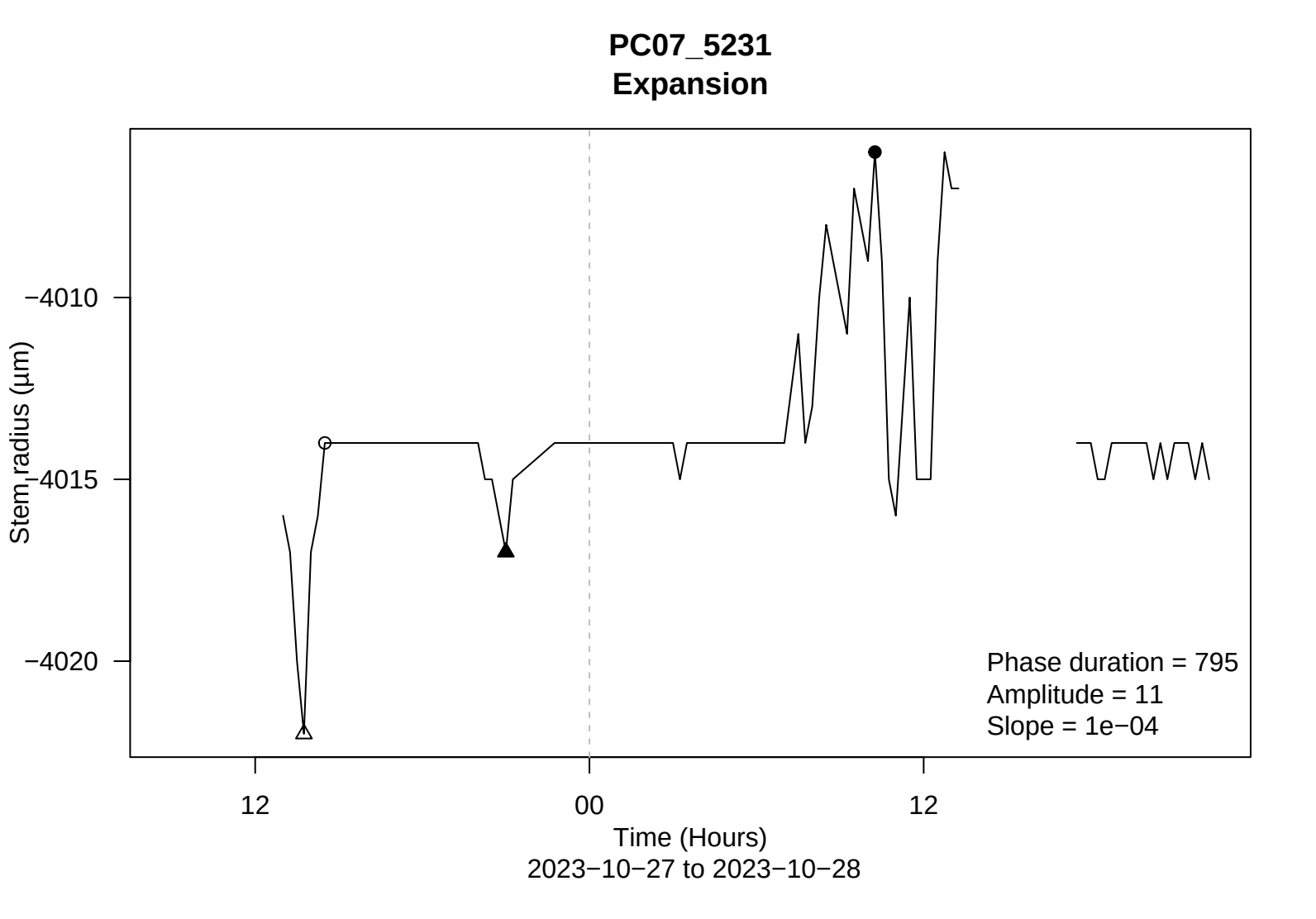

PC07_5231
Shrinkage
−4000
−4050
−4100
−4150
Stem radius (µm)
Phase duration = 750
Amplitude = −22
Slope = −1e−04
00
12
00
12
Time (Hours)
2023−10−24 to 2023−10−24

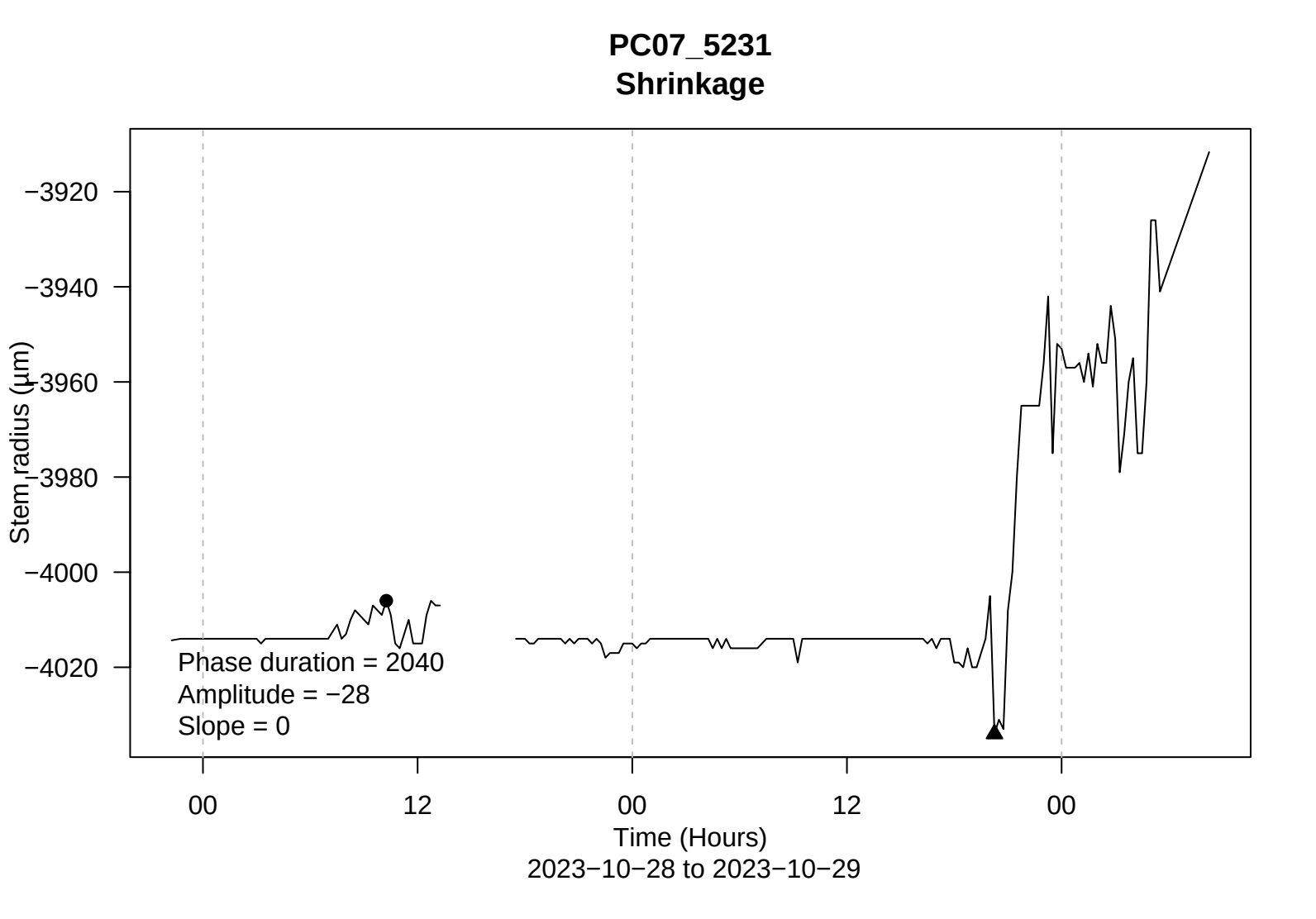

PC07_5231
Expansion
−4005
−4010
−4015
Stem radius (µm)
Phase duration = 1380
Amplitude = 14
Slope = 0
12
00
12
00
12
Time (Hours)
2023−10−24 to 2023−10−25

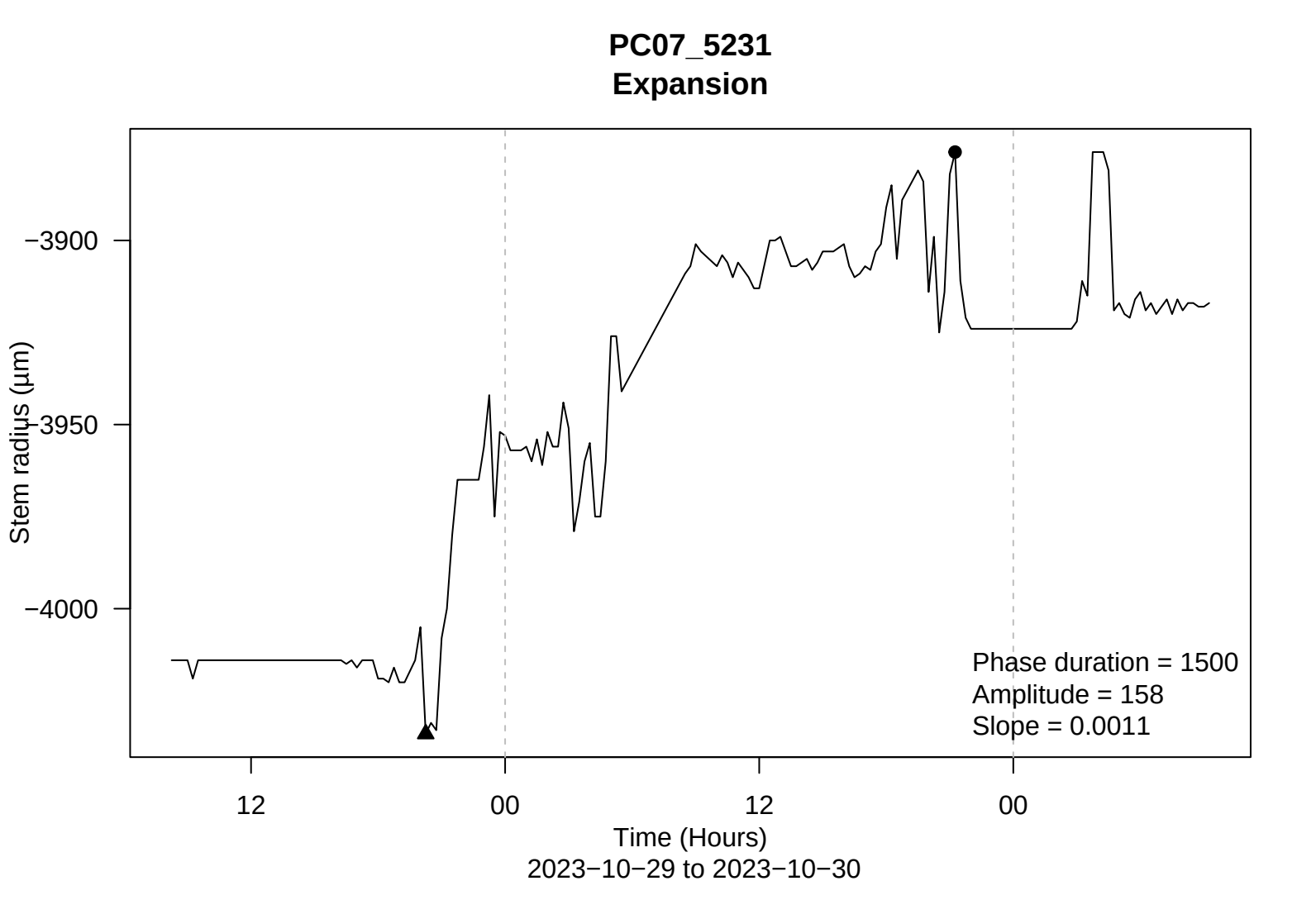

PC07_5231
Expansion
−4006
−4008
−4010
−4012
−4014
−4016
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−10−26 to 2023−10−26
Phase duration = 975
Amplitude = 9
Slope = 0

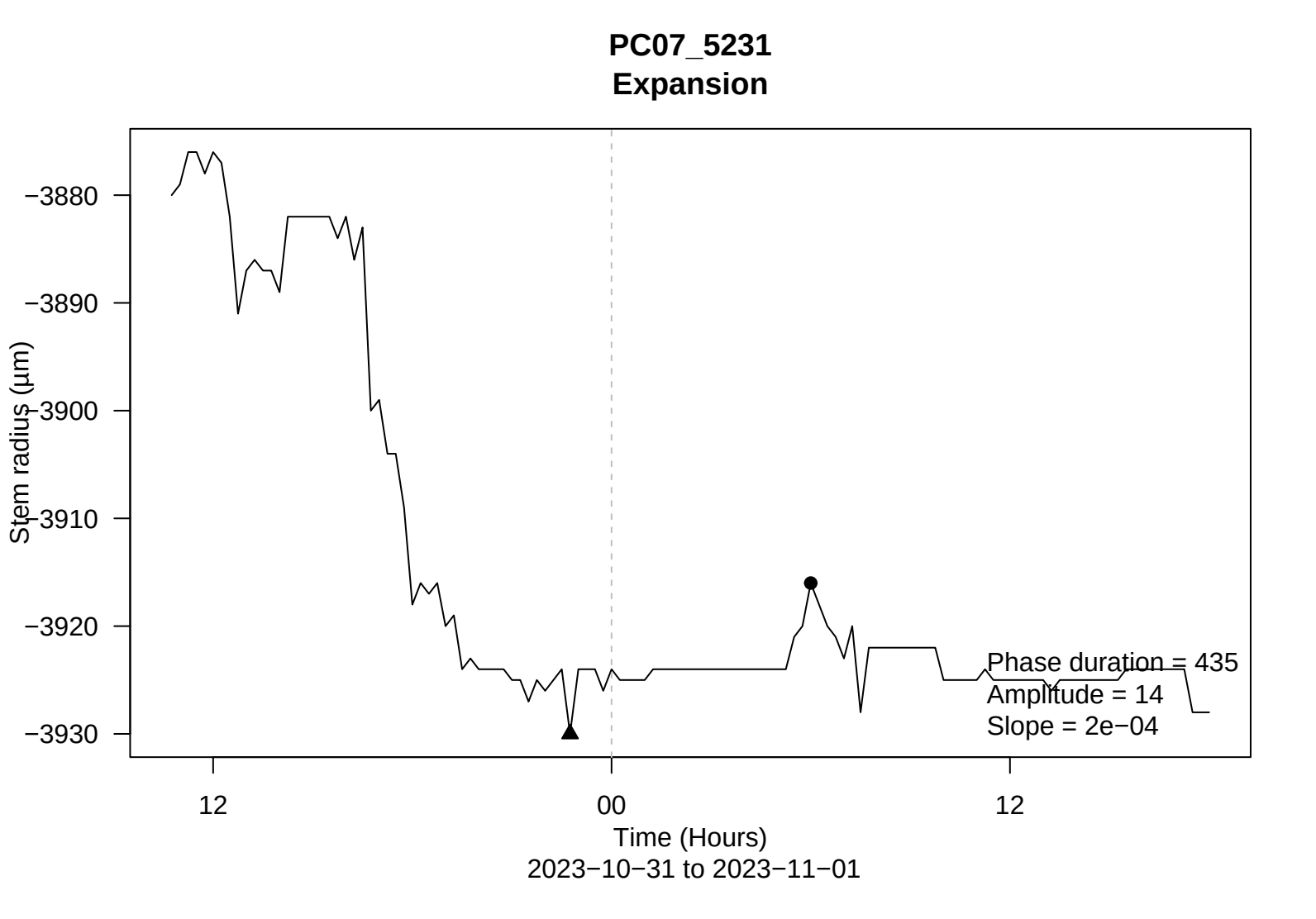

PC07_5231
Shrinkage
−4010
−4015
−4020
Stem radius (µm)
Phase duration = 1200
Amplitude = −15
Slope = −1e−04
12
00
12
00
Time (Hours)
2023−10−26 to 2023−10−27

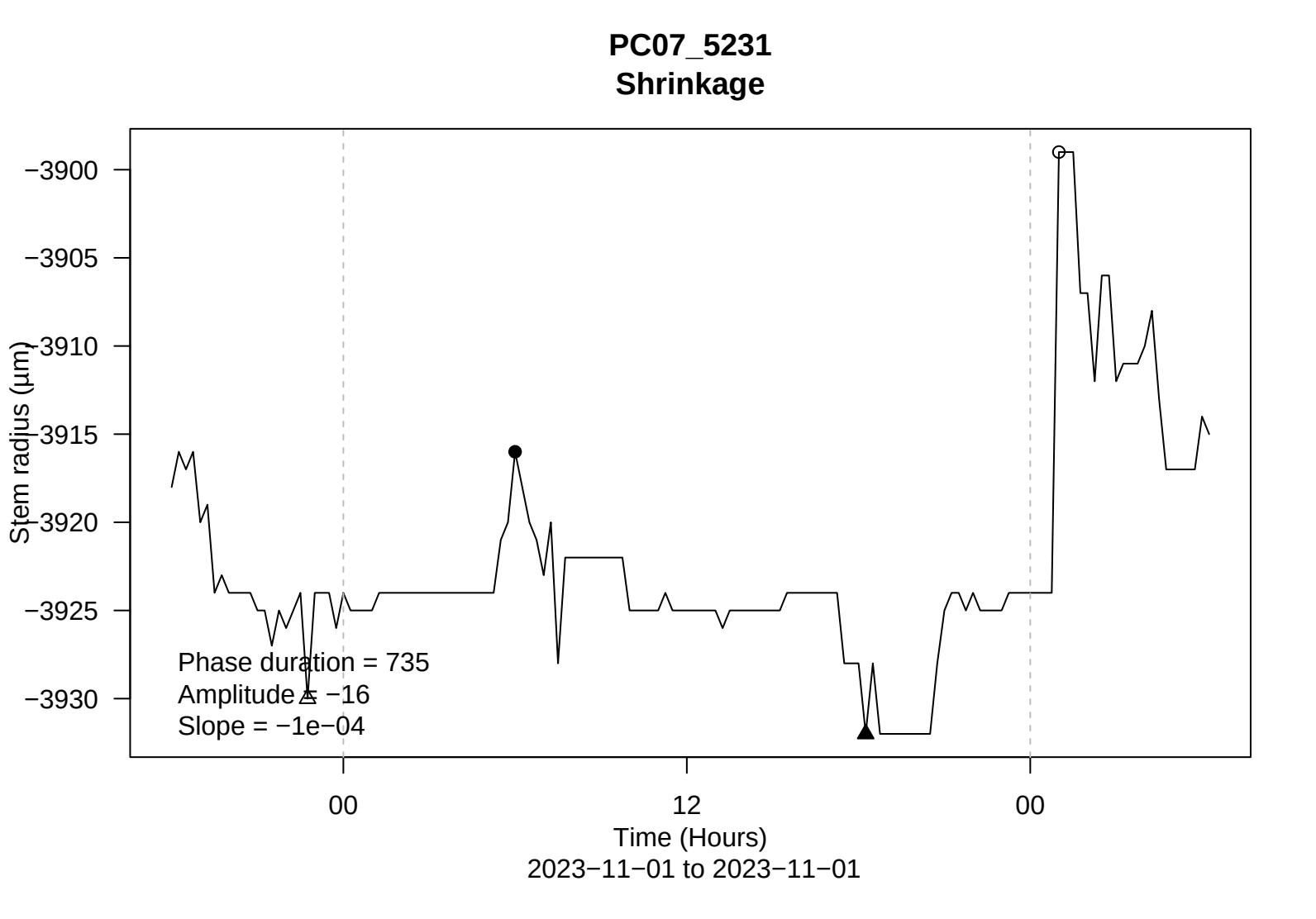

PC07_5231
Shrinkage
−4008
−4010
−4012
−4014
−4016
−4018
−4020
−4022
Stem radius (µm)
Phase duration = 390
Amplitude = −3
Slope = −1e−04
06
12
18
00
06
Time (Hours)
2023−10−27 to 2023−10−27

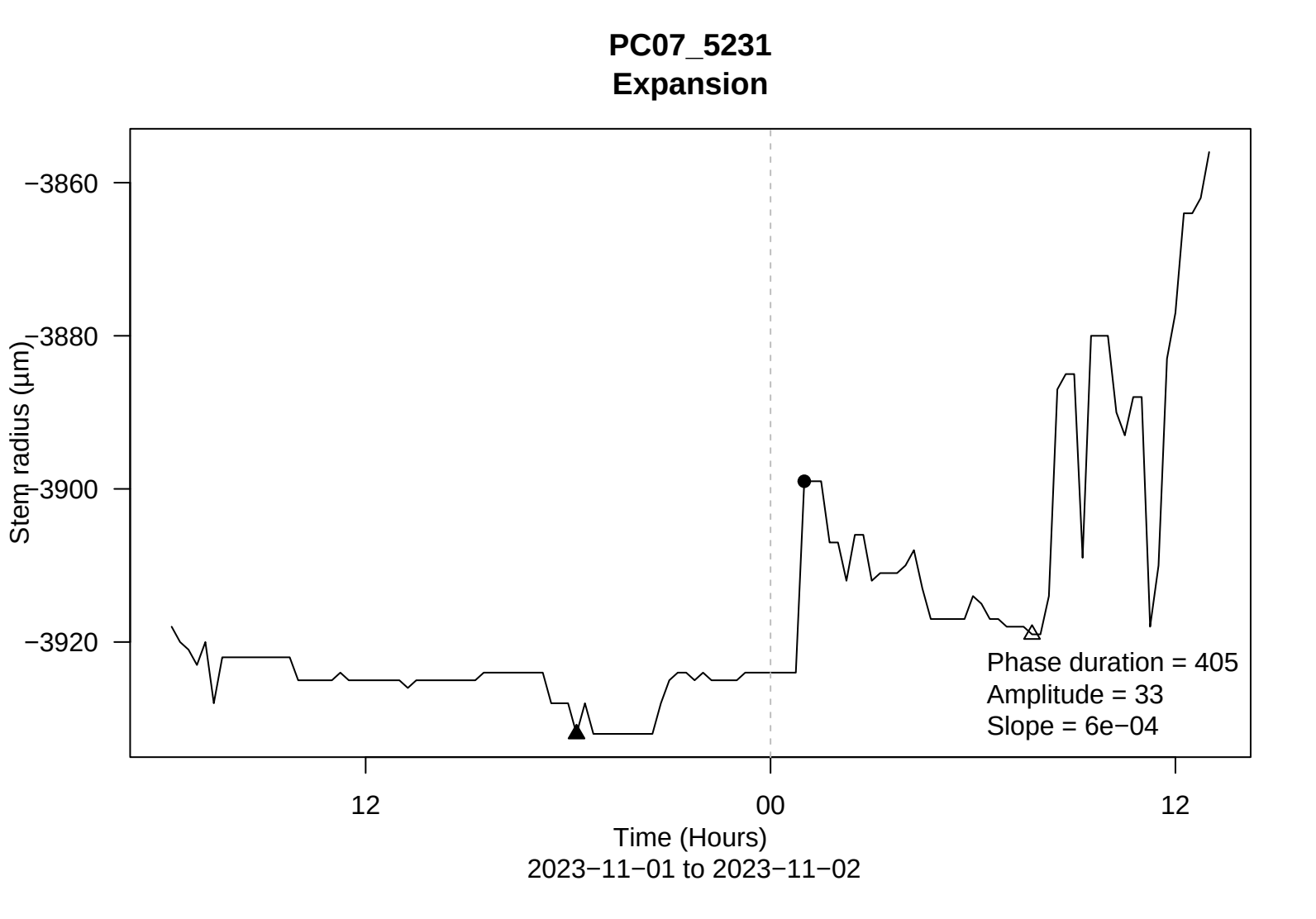

PC07_5231
Expansion
−4010
−4015
−4020
Stem radius (µm)
12
00
12
Time (Hours)
2023−10−27 to 2023−10−28
Phase duration = 795
Amplitude = 11
Slope = 1e−04

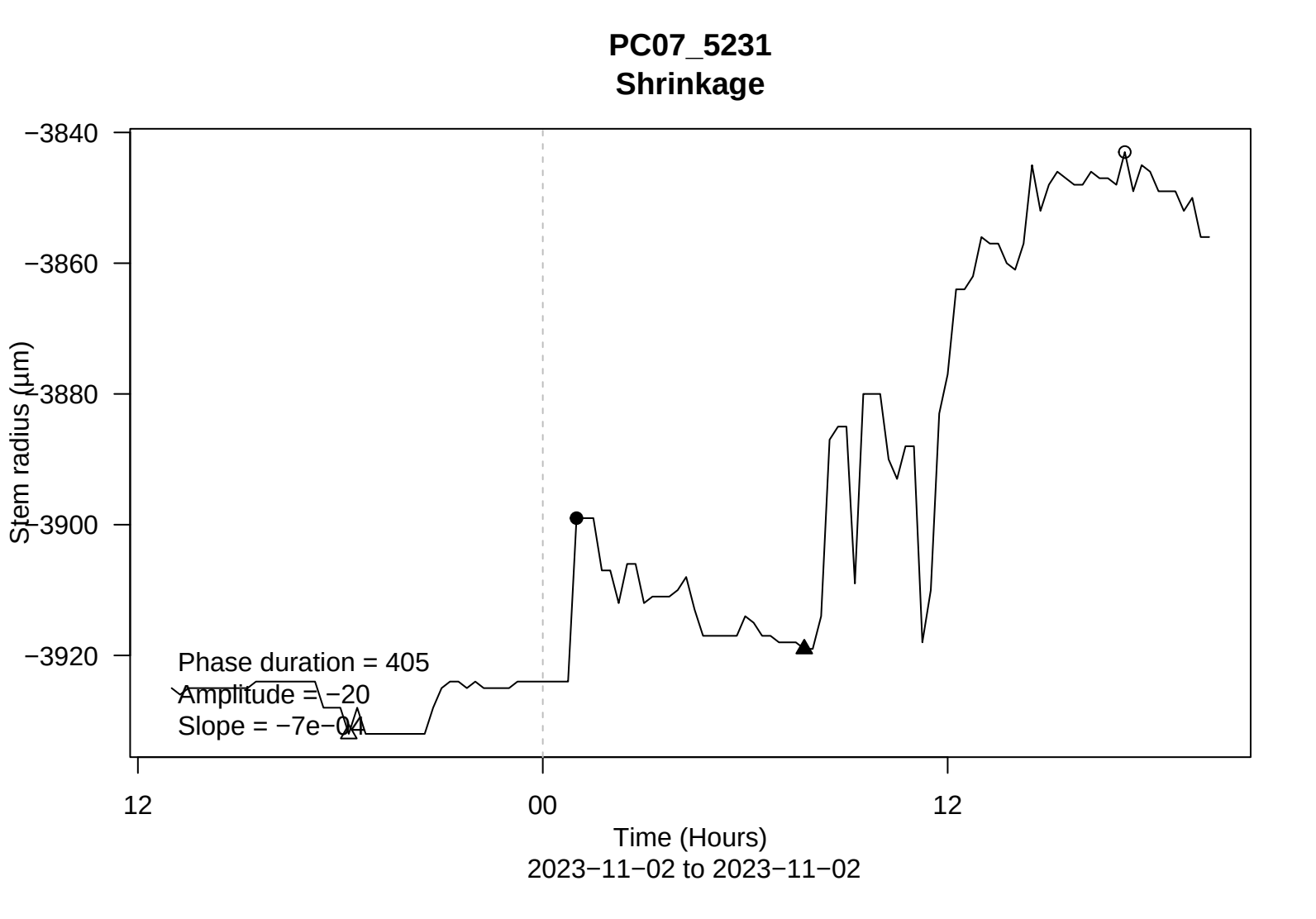

PC07_5231
Shrinkage
−3920
−3940
−3960
−3980
−4000
−4020
Stem radius (µm)
Phase duration = 2040
Amplitude = −28
Slope = 0
00
12
00
12
00
Time (Hours)
2023−10−28 to 2023−10−29

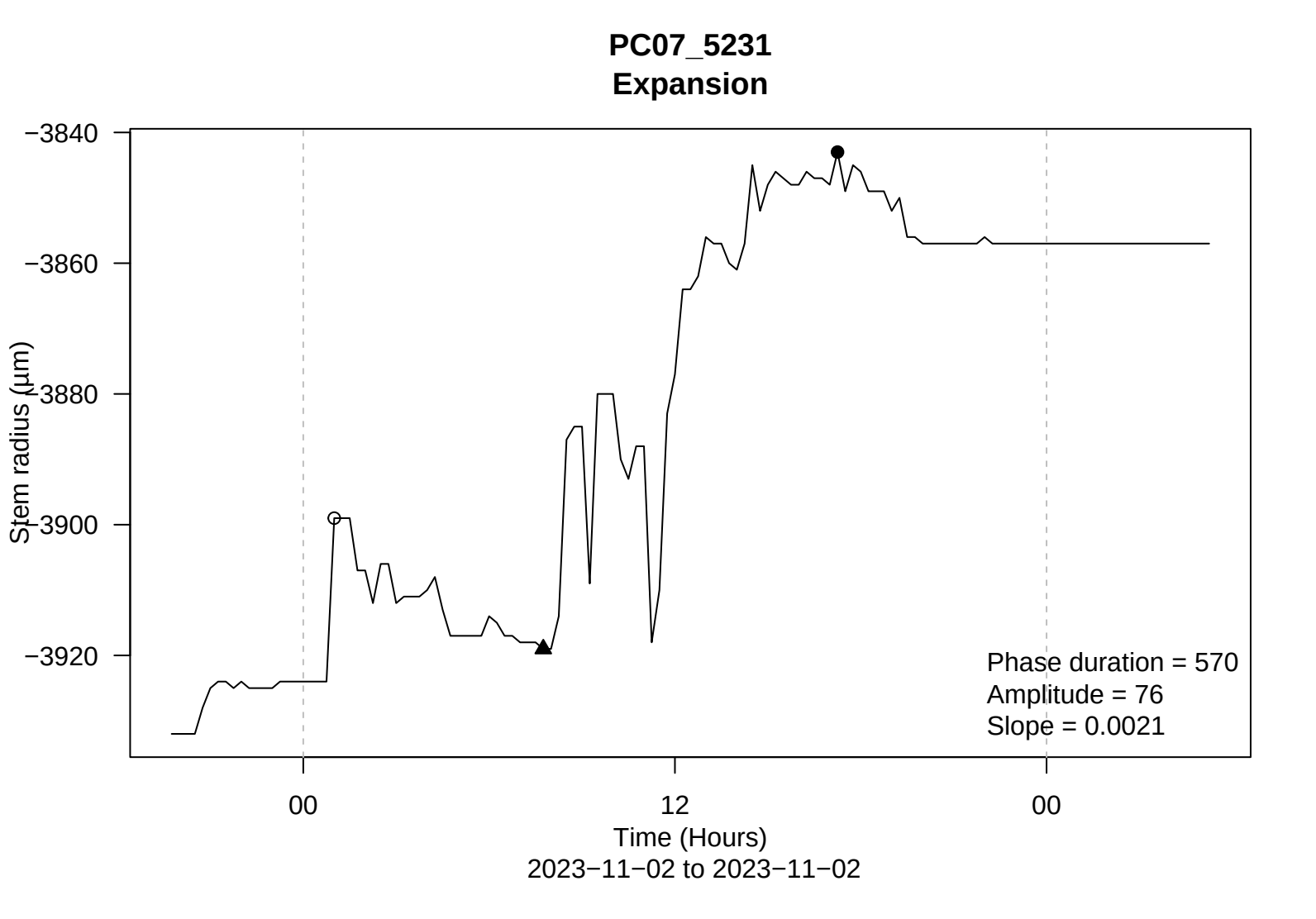

PC07_5231
Expansion
−3900
−3950
−4000
Stem radius (µm)
Phase duration = 1500
Amplitude = 158
Slope = 0.0011
12
00
12
00
Time (Hours)
2023−10−29 to 2023−10−30

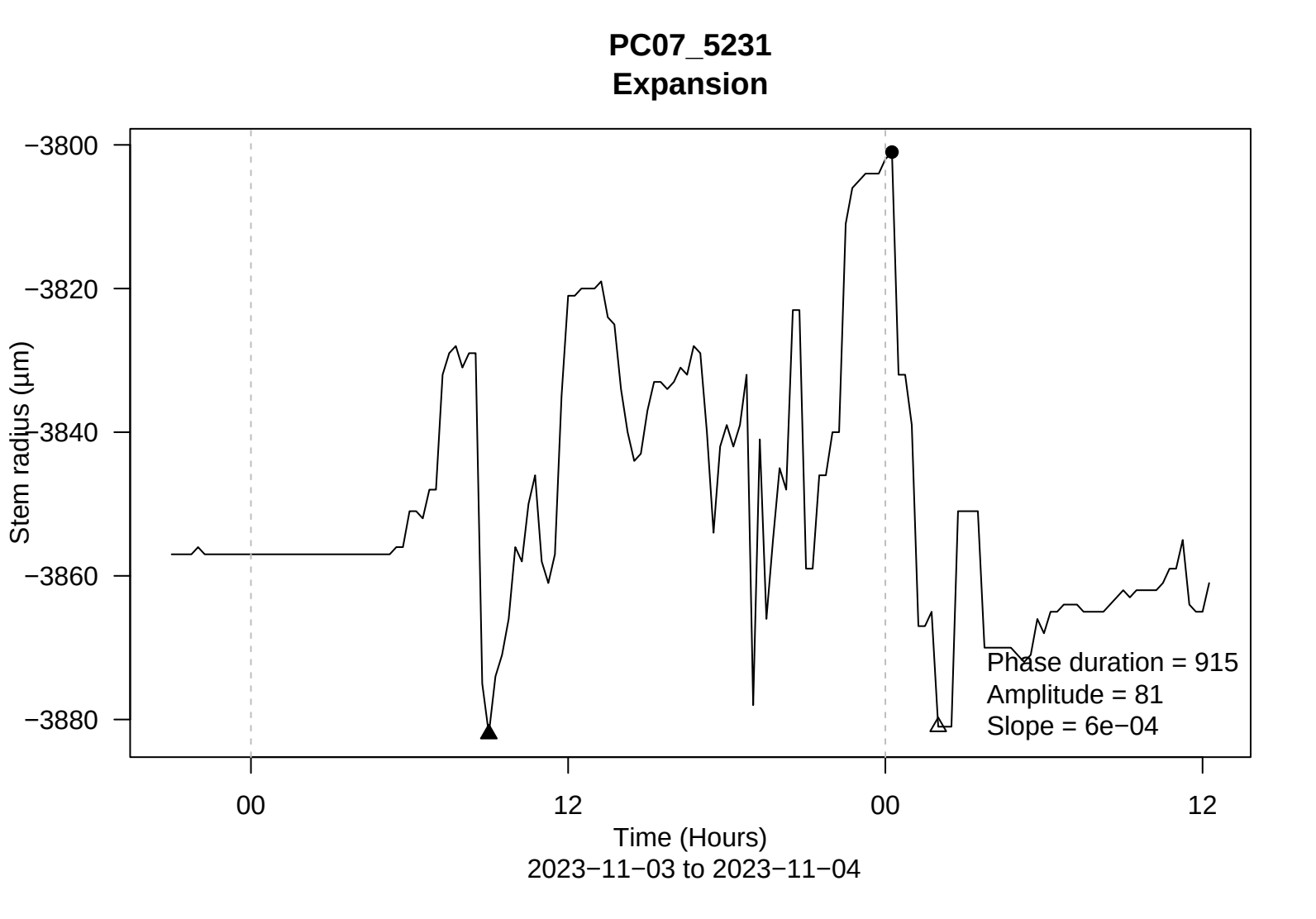

PC07_5231
Expansion
−3880
−3890
−3900
−3910
−3920
−3930
Stem radius (µm)
12
00
12
Time (Hours)
2023−10−31 to 2023−11−01
Phase duration = 435
Amplitude = 14
Slope = 2e−04

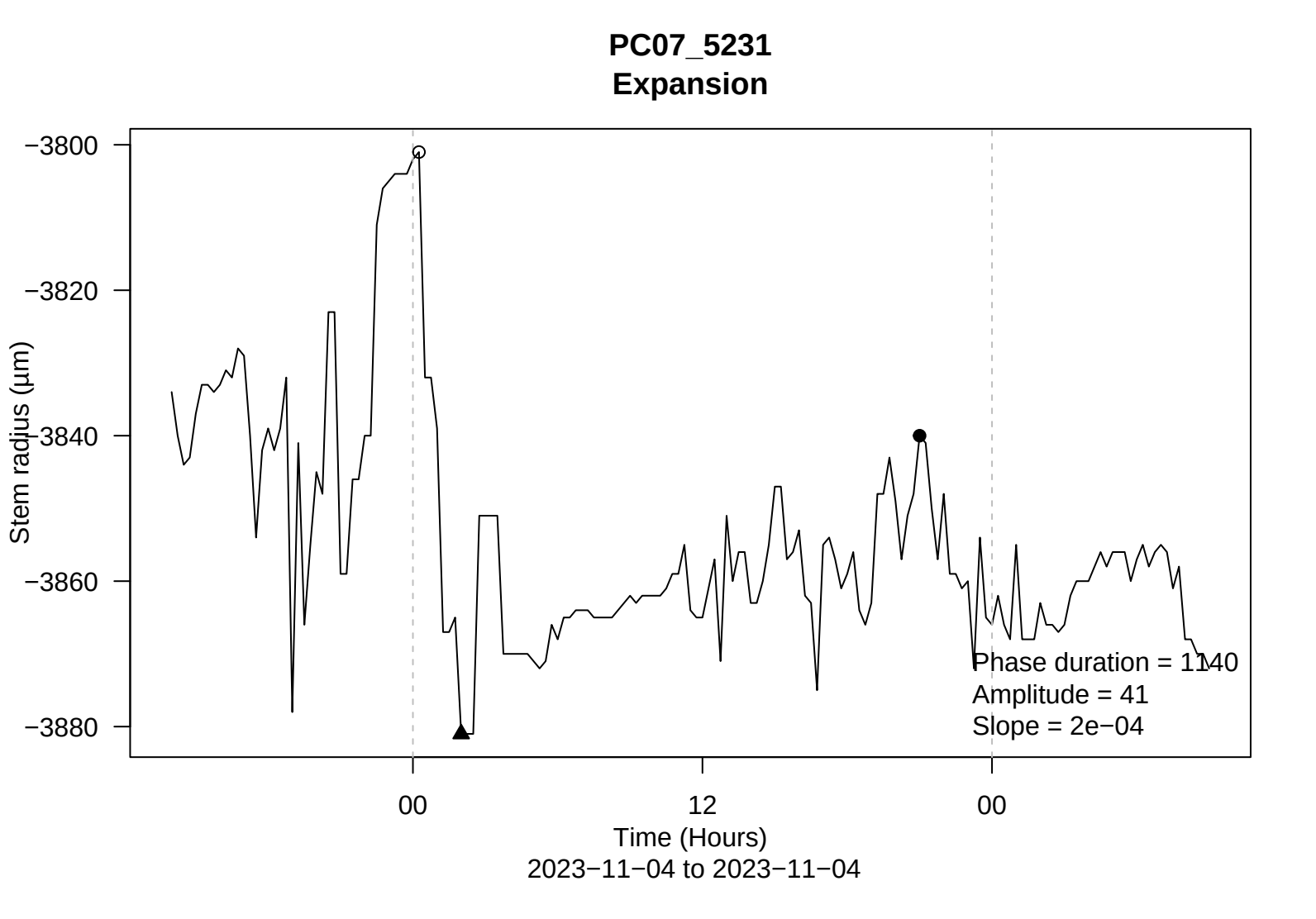

PC07_5231
Shrinkage
−3900
−3905
−3910
−3915
−3920
−3925
−3930
Stem radius (µm)
Phase duration = 735
Amplitude = −16
Slope = −1e−04
00
12
00
Time (Hours)
2023−11−01 to 2023−11−01

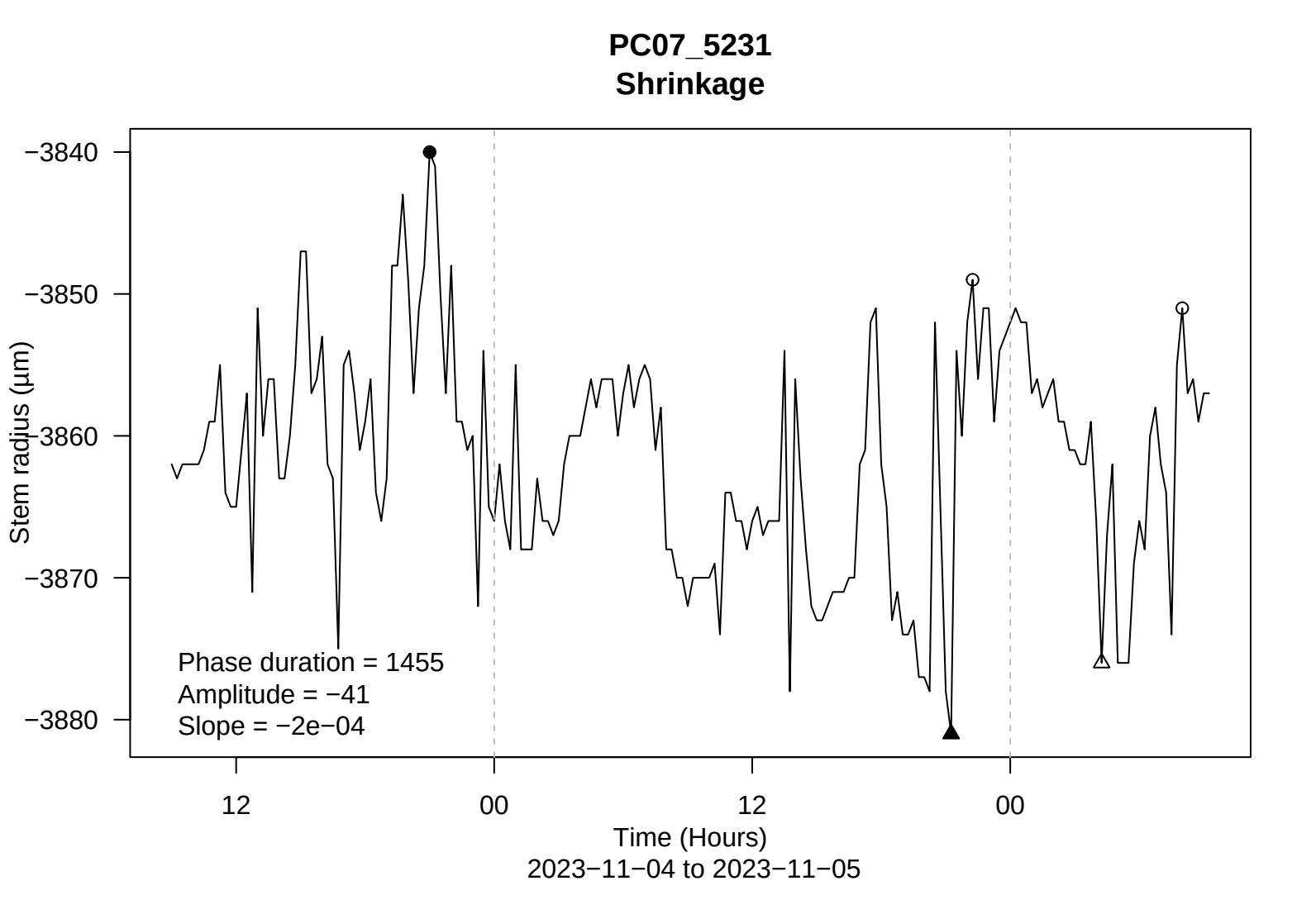

PC07_5231
Expansion
−3860
−3880
−3900
−3920
Stem radius (µm)
Phase duration = 405
Amplitude = 33
Slope = 6e−04
12
00
12
Time (Hours)
2023−11−01 to 2023−11−02

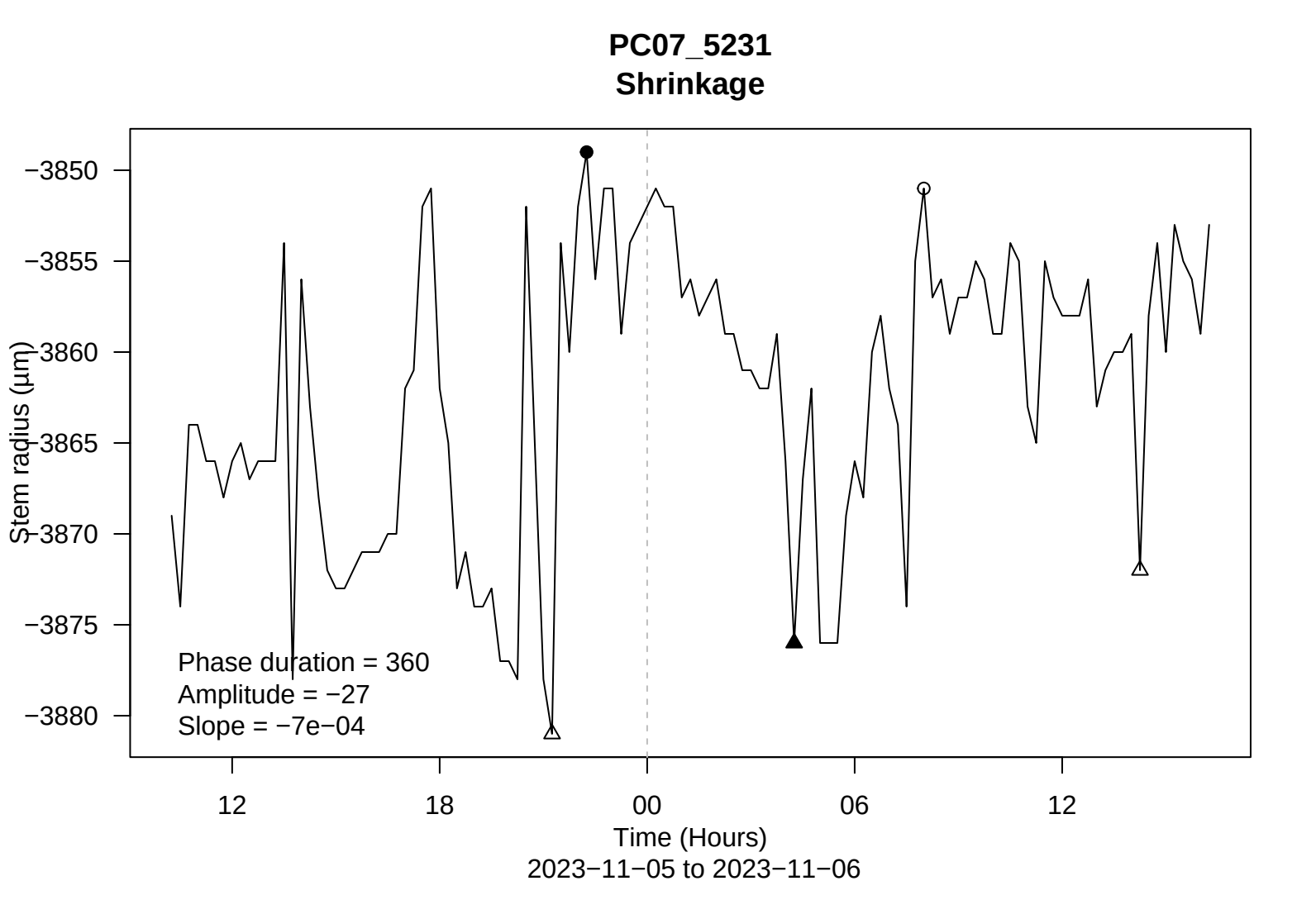

PC07_5231
Shrinkage
−3840
−3860
−3880
−3900
−3920
Stem radius (µm)
Phase duration = 405
Amplitude = −20
Slope = −7e−04
12
00
12
Time (Hours)
2023−11−02 to 2023−11−02

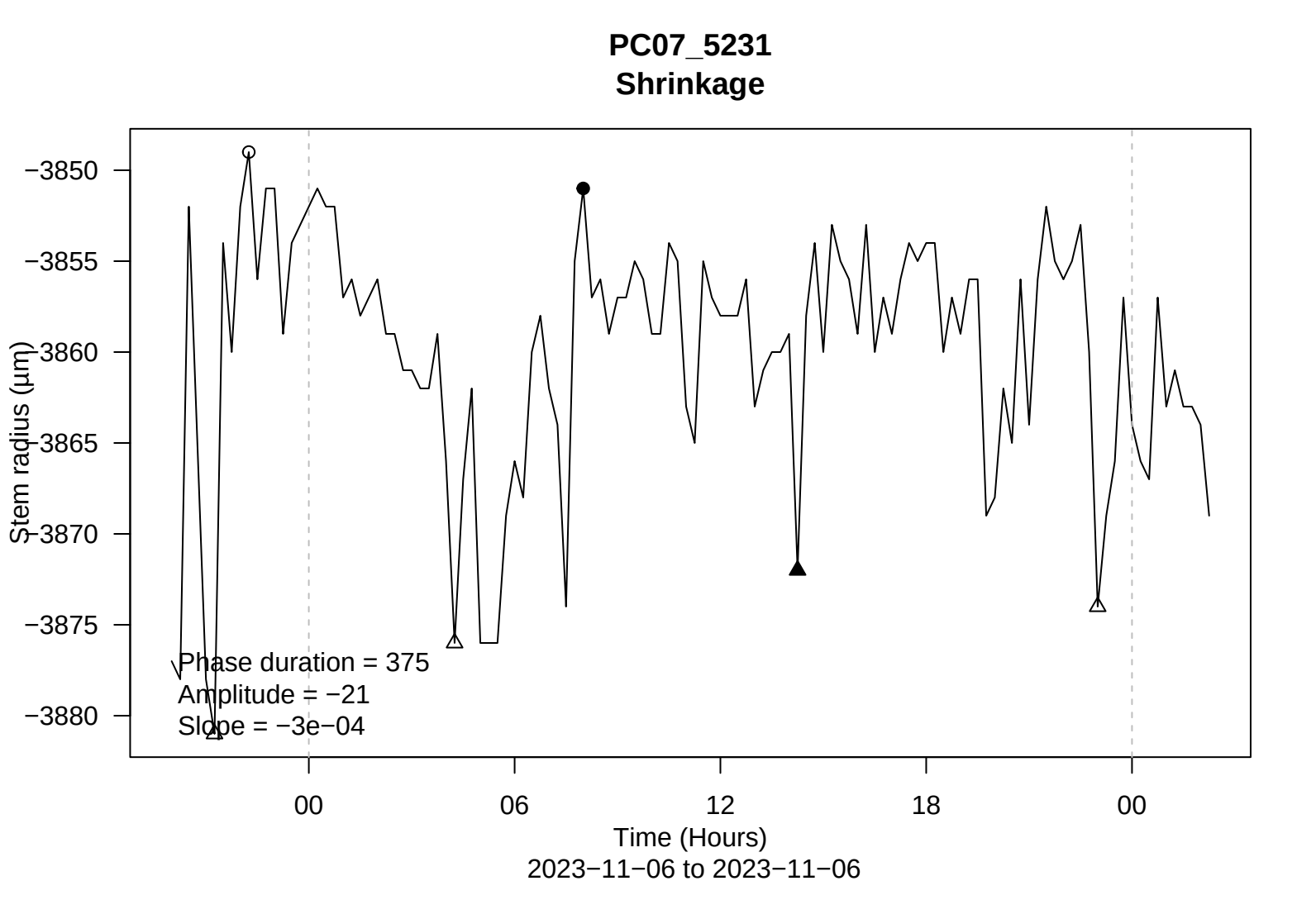

PC07_5231
Expansion
−3840
−3860
−3880
−3900
−3920
Stem radius (µm)
Phase duration = 570
Amplitude = 76
Slope = 0.0021
00
12
00
Time (Hours)
2023−11−02 to 2023−11−02

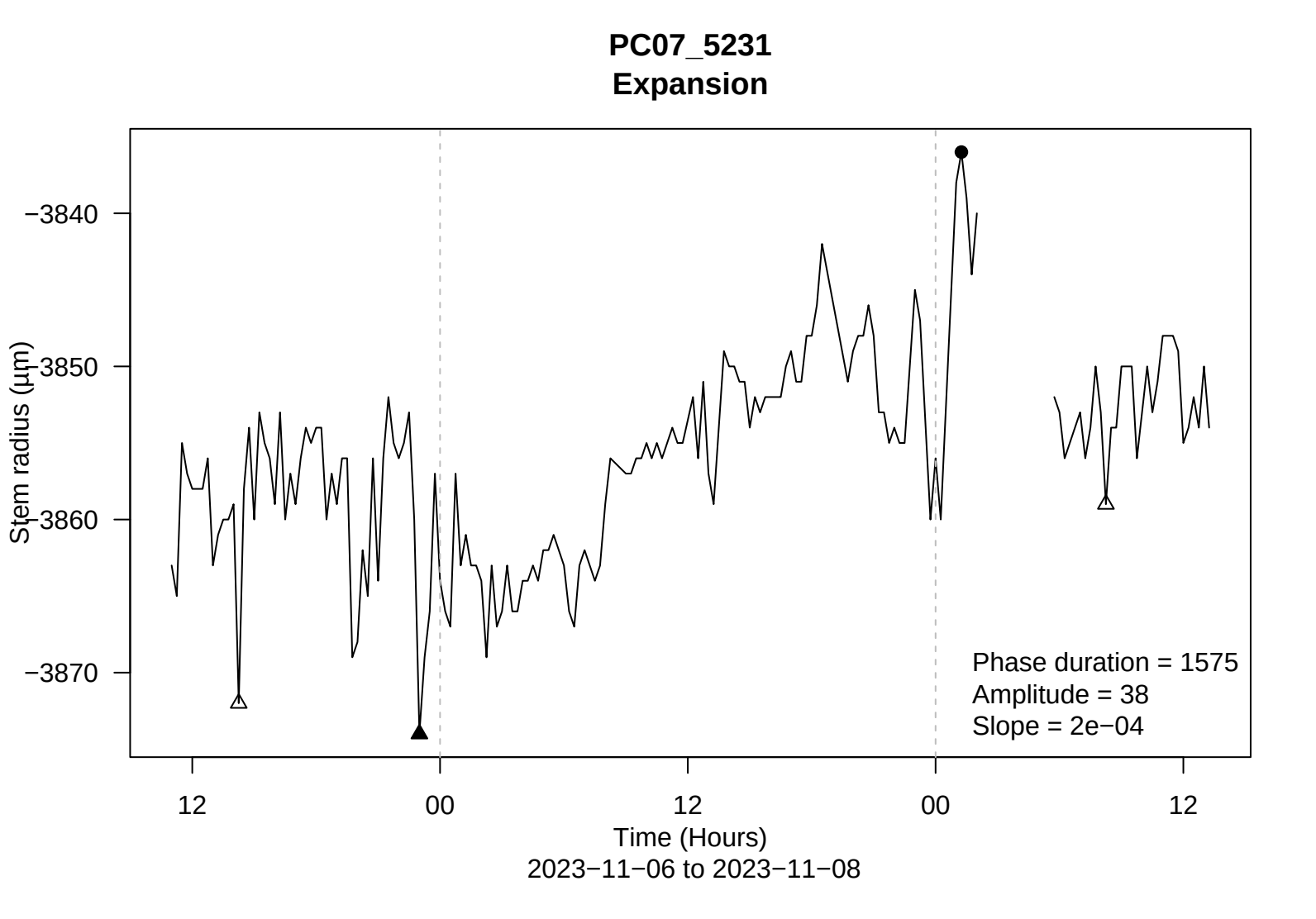

PC07_5231
Expansion
−3800
−3820
−3840
−3860
−3880
Stem radius (µm)
00
12
00
12
Time (Hours)
2023−11−03 to 2023−11−04
Phase duration = 915
Amplitude = 81
Slope = 6e−04

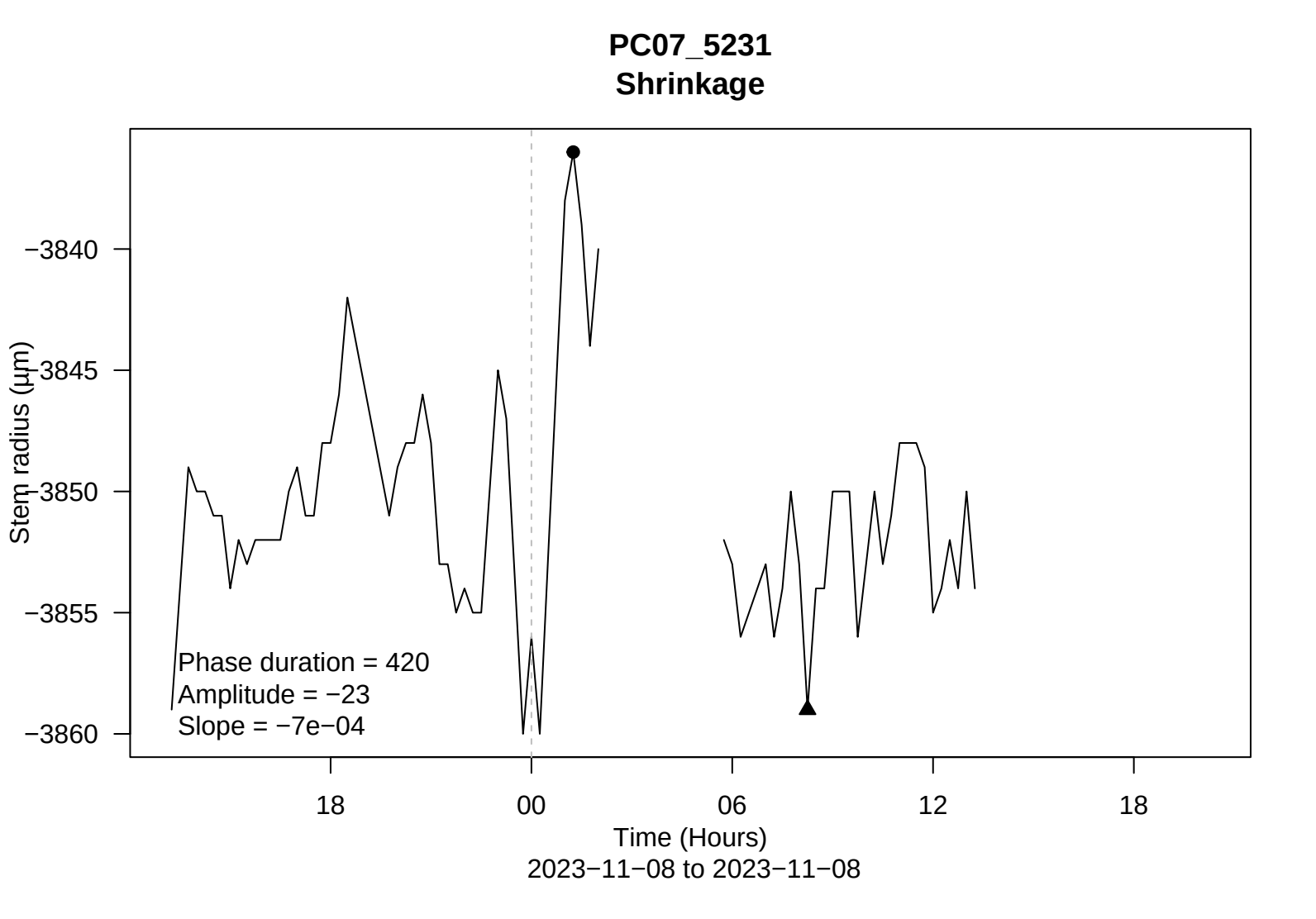

PC07_5231
Expansion
−3800
−3820
−3840
−3860
−3880
Stem radius (µm)
Phase duration = 1140
Amplitude = 41
Slope = 2e−04
00
12
00
Time (Hours)
2023−11−04 to 2023−11−04

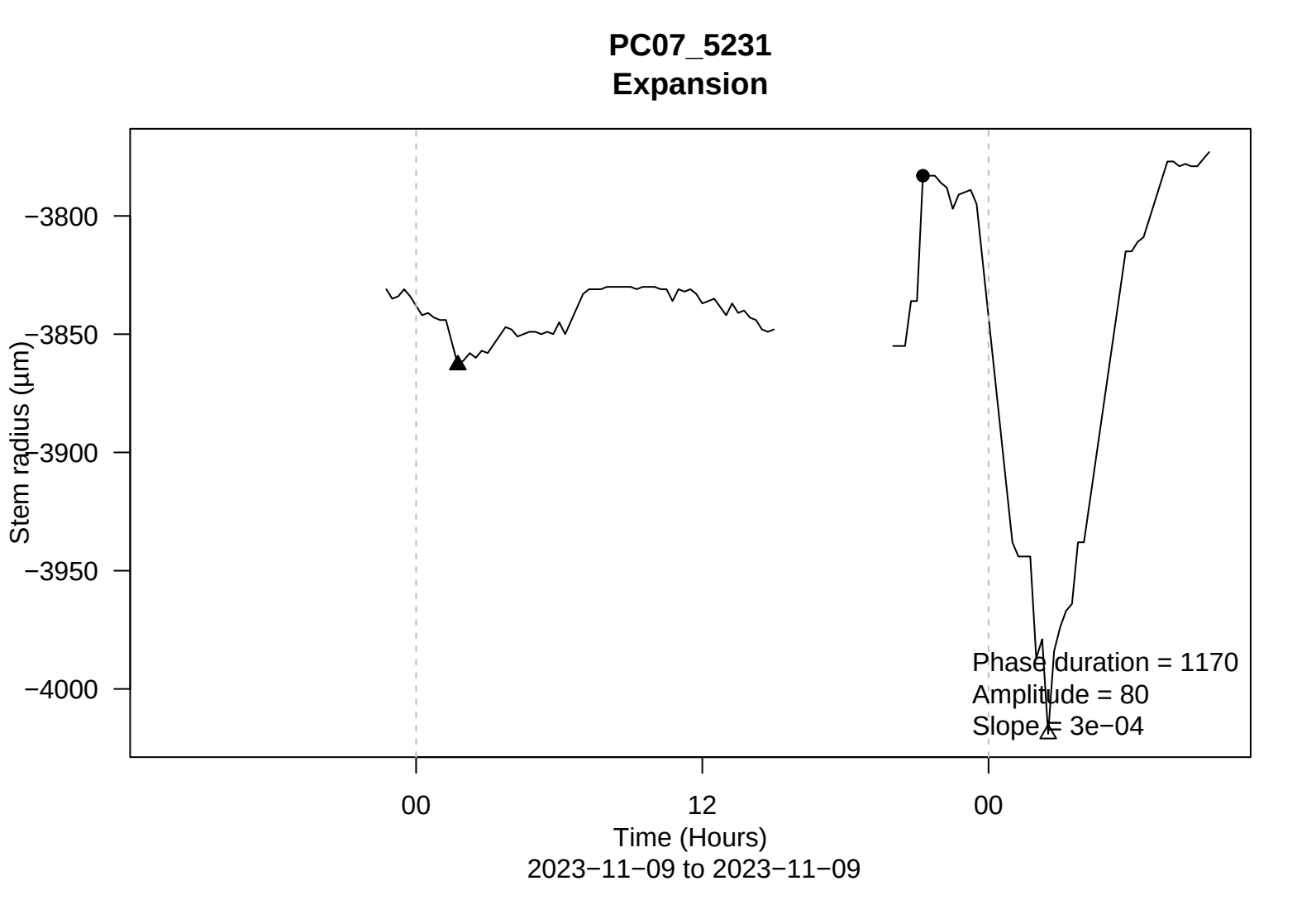

PC07_5231
Shrinkage
−3840
−3850
−3860
−3870
−3880
Stem radius (µm)
Phase duration = 1455
Amplitude = −41
Slope = −2e−04
12
00
12
00
Time (Hours)
2023−11−04 to 2023−11−05

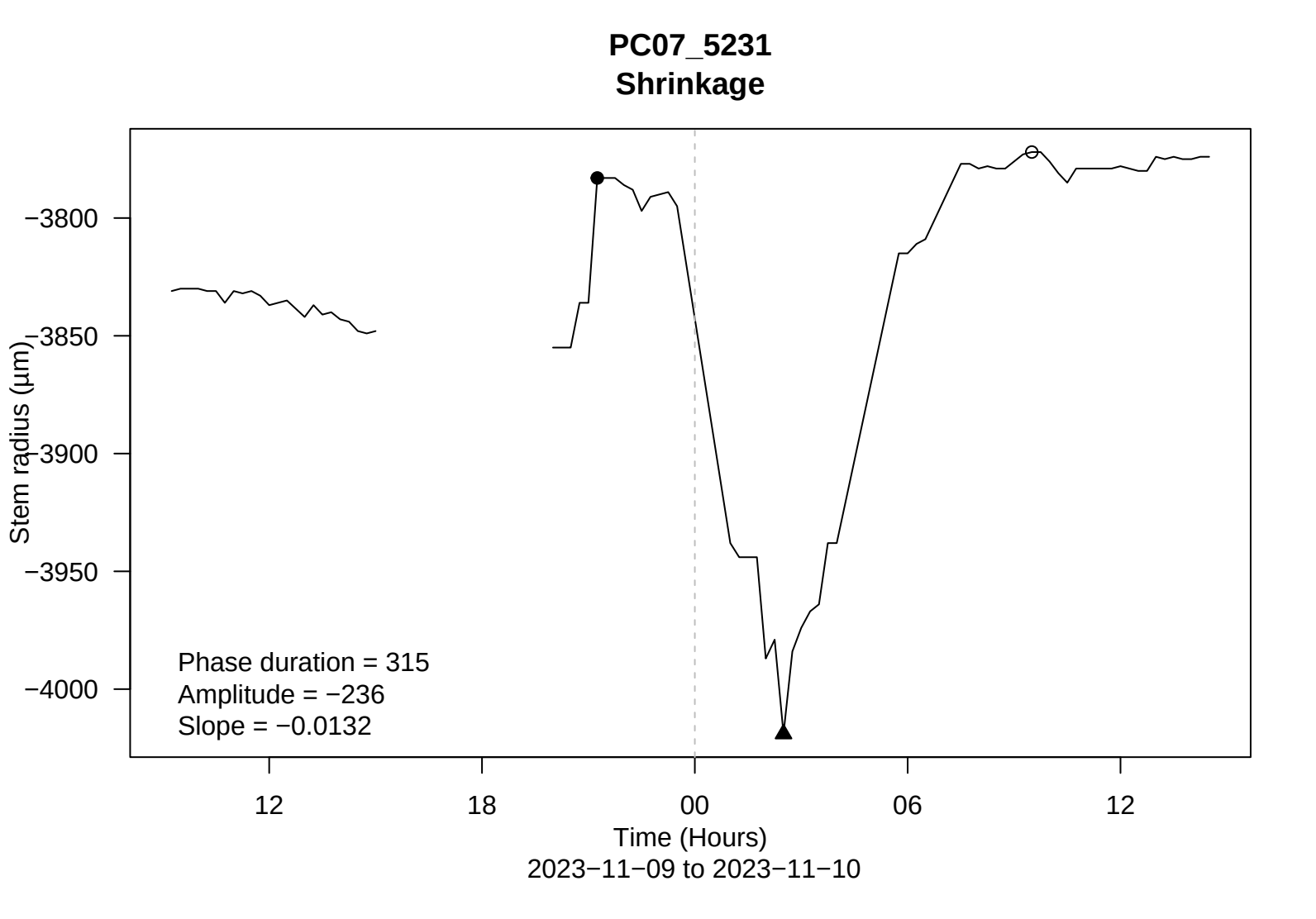

PC07_5231
Shrinkage
−3850
−3855
−3860
−3865
−3870
−3875
−3880
Stem radius (µm)
Phase duration = 360
Amplitude = −27
Slope = −7e−04
12
18
00
06
12
Time (Hours)
2023−11−05 to 2023−11−06

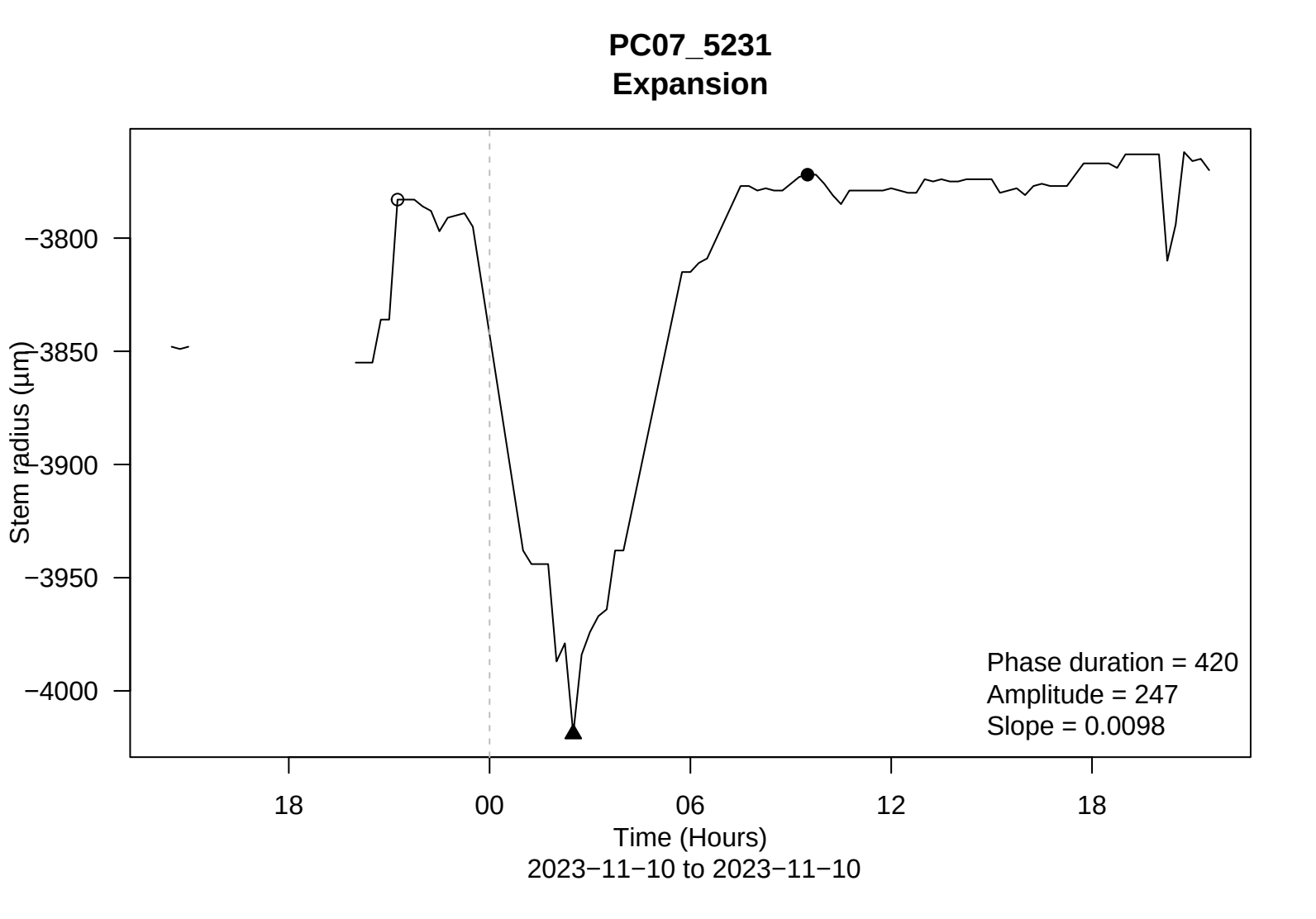

PC07_5231
Shrinkage
−3850
−3855
−3860
−3865
−3870
−3875
−3880
Stem radius (µm)
Phase duration = 375
Amplitude = −21
Slope = −3e−04
00
06
12
18
00
Time (Hours)
2023−11−06 to 2023−11−06


PC07_5231
Expansion
−3840
−3850
−3860
−3870
Stem radius (µm)
12
00
12
00
12
Time (Hours)
2023−11−06 to 2023−11−08
Phase duration = 1575
Amplitude = 38
Slope = 2e−04


PC07_5231
Shrinkage
Stem radius (µm)
−3840
−3845
−3850
−3855
−3860
Phase duration = 420
Amplitude = −23
Slope = −7e−04
18
00
06
12
18
Time (Hours)
2023−11−08 to 2023−11−08


PC07_5231
Expansion
−3800
−3850
−3900
−3950
−4000
Stem radius (µm)
Phase duration = 1170
Amplitude = 80
Slope = 3e−04
00
12
00
Time (Hours)
2023−11−09 to 2023−11−09


PC07_5231
Shrinkage
−3800
−3850
−3900
−3950
−4000
Stem radius (µm)
Phase duration = 315
Amplitude = −236
Slope = −0.0132
12
18
00
06
12
Time (Hours)
2023−11−09 to 2023−11−10


PC07_5231
Expansion
−3800
−3850
−3900
−3950
−4000
Stem radius (µm)
18
00
06
12
18
Time (Hours)
2023−11−10 to 2023−11−10
Phase duration = 420
Amplitude = 247
Slope = 0.0098