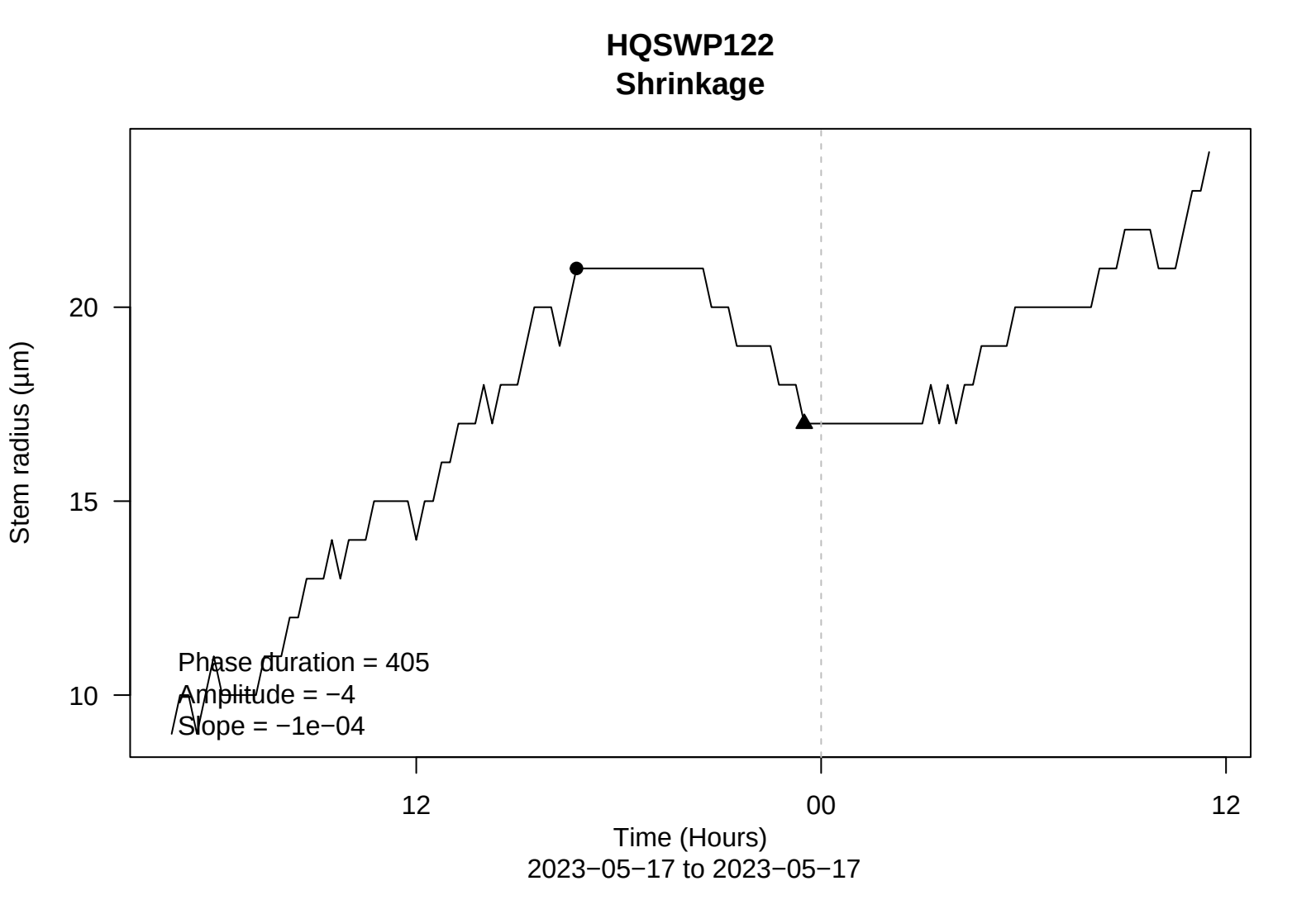
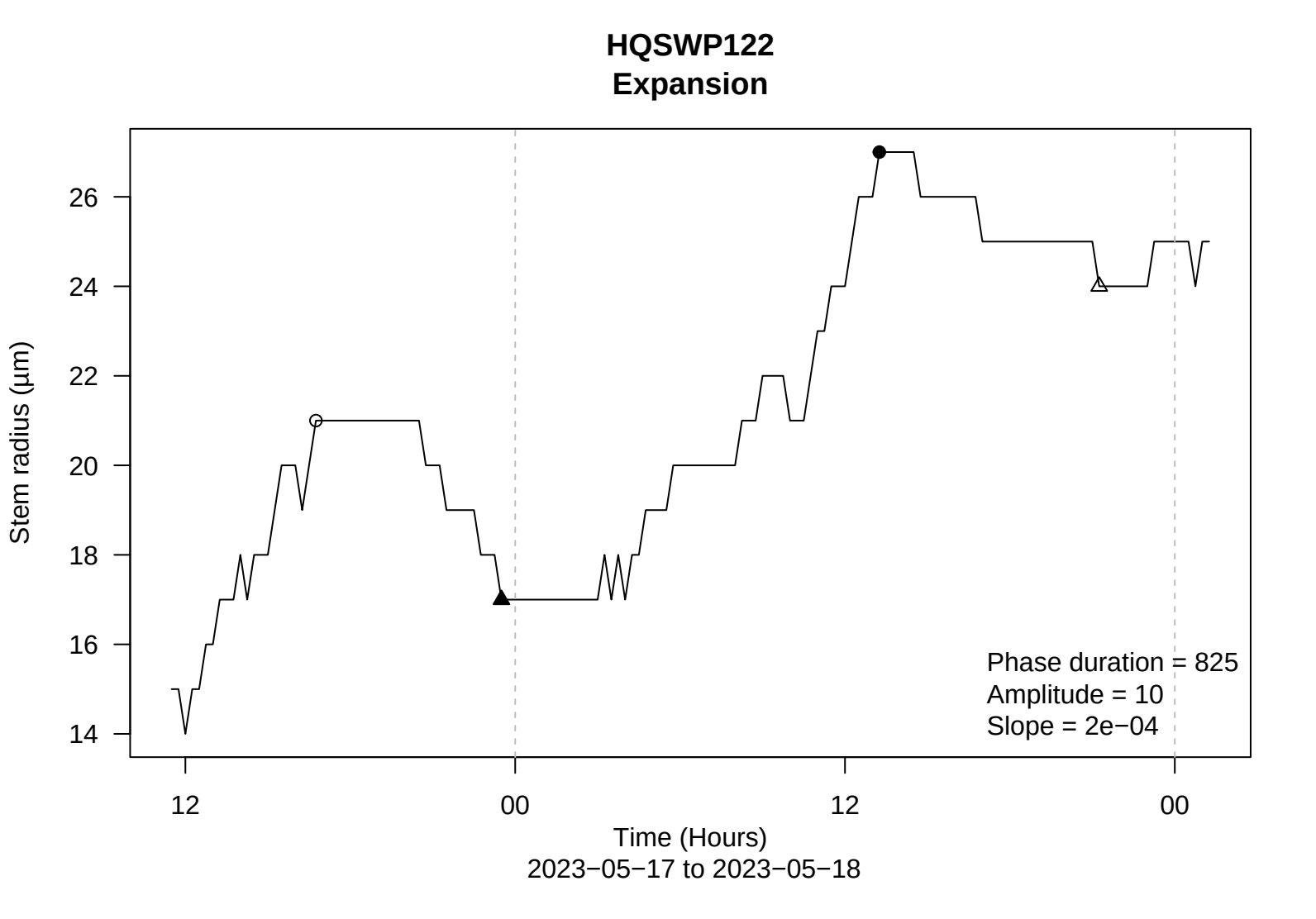
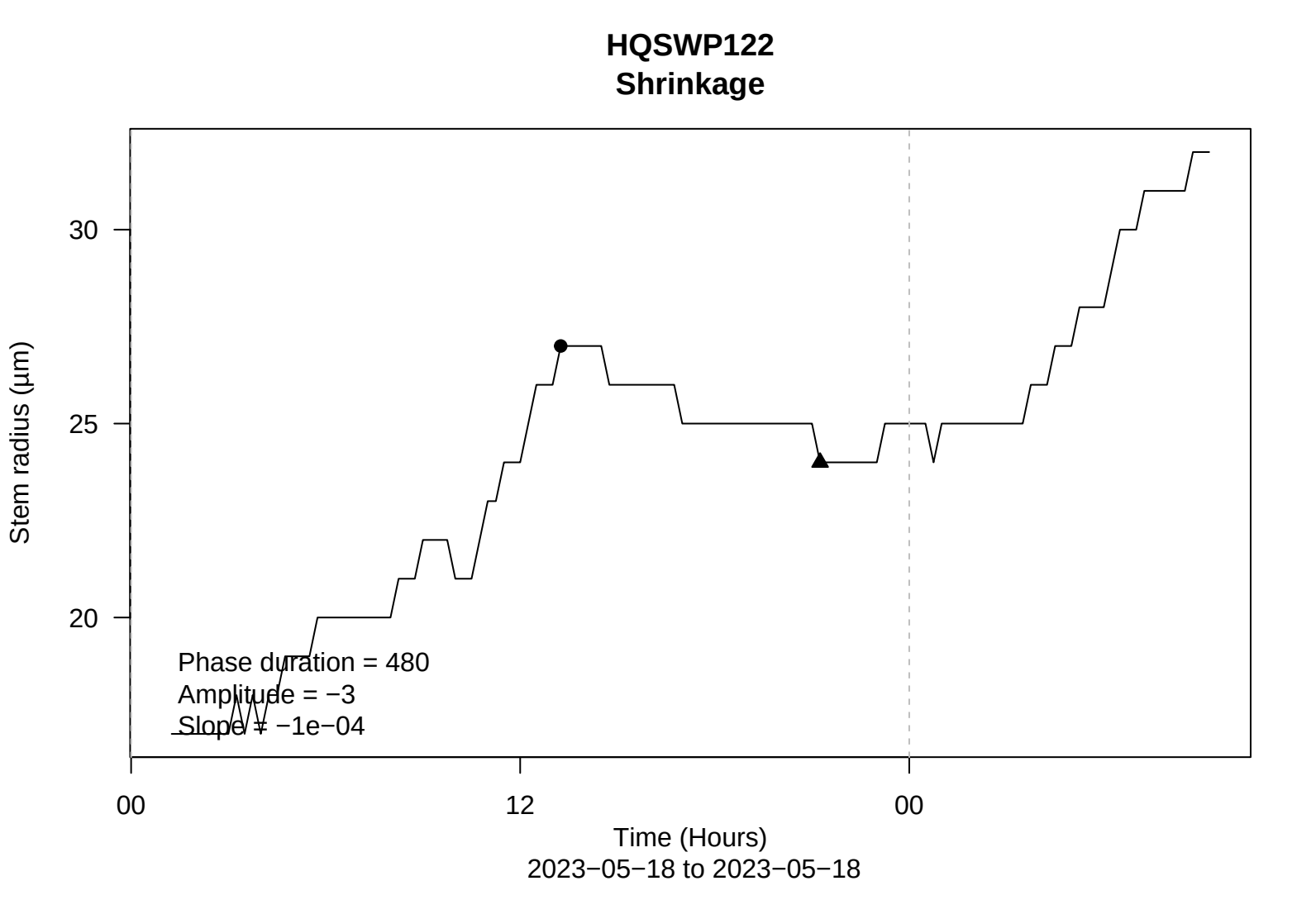
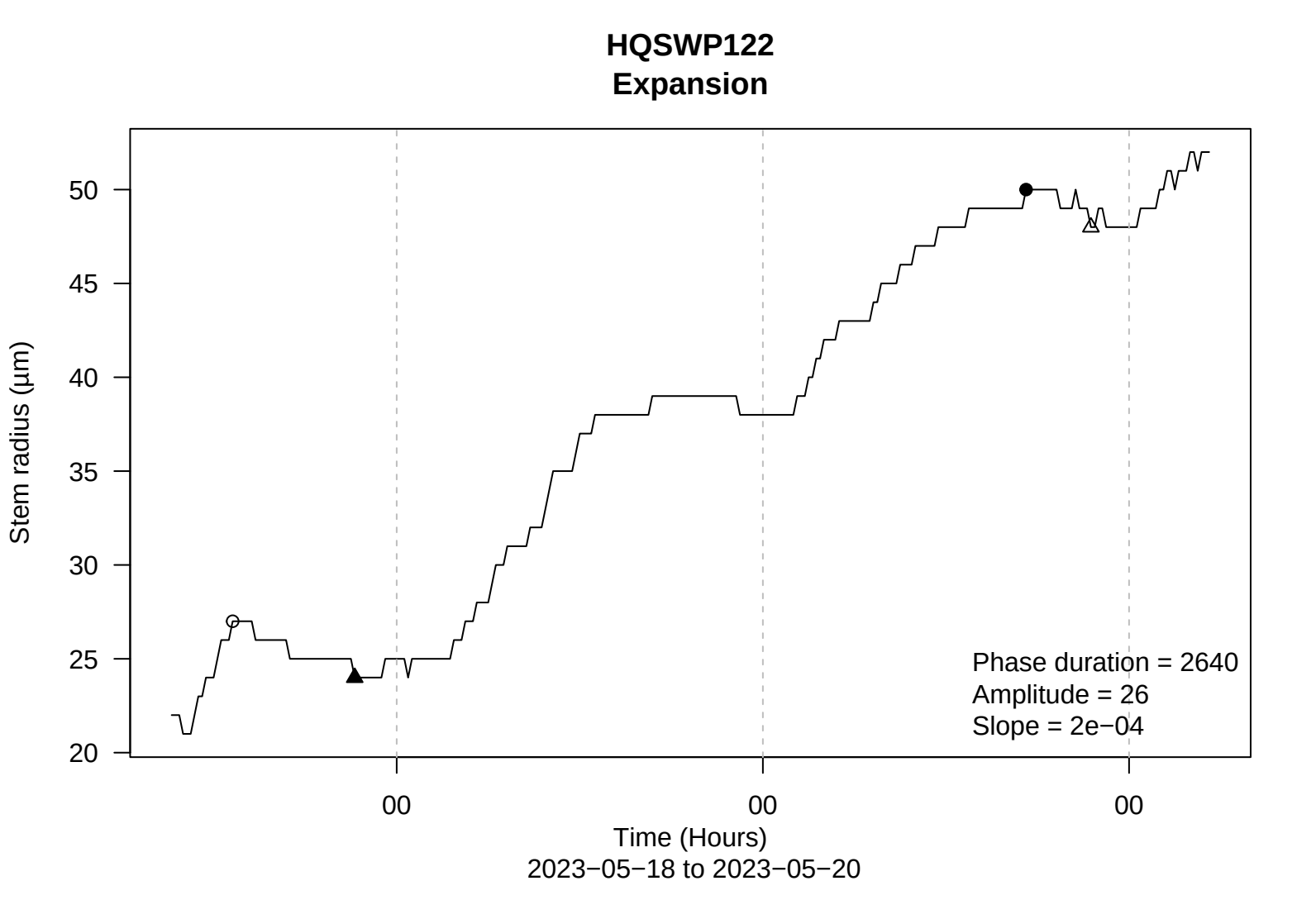
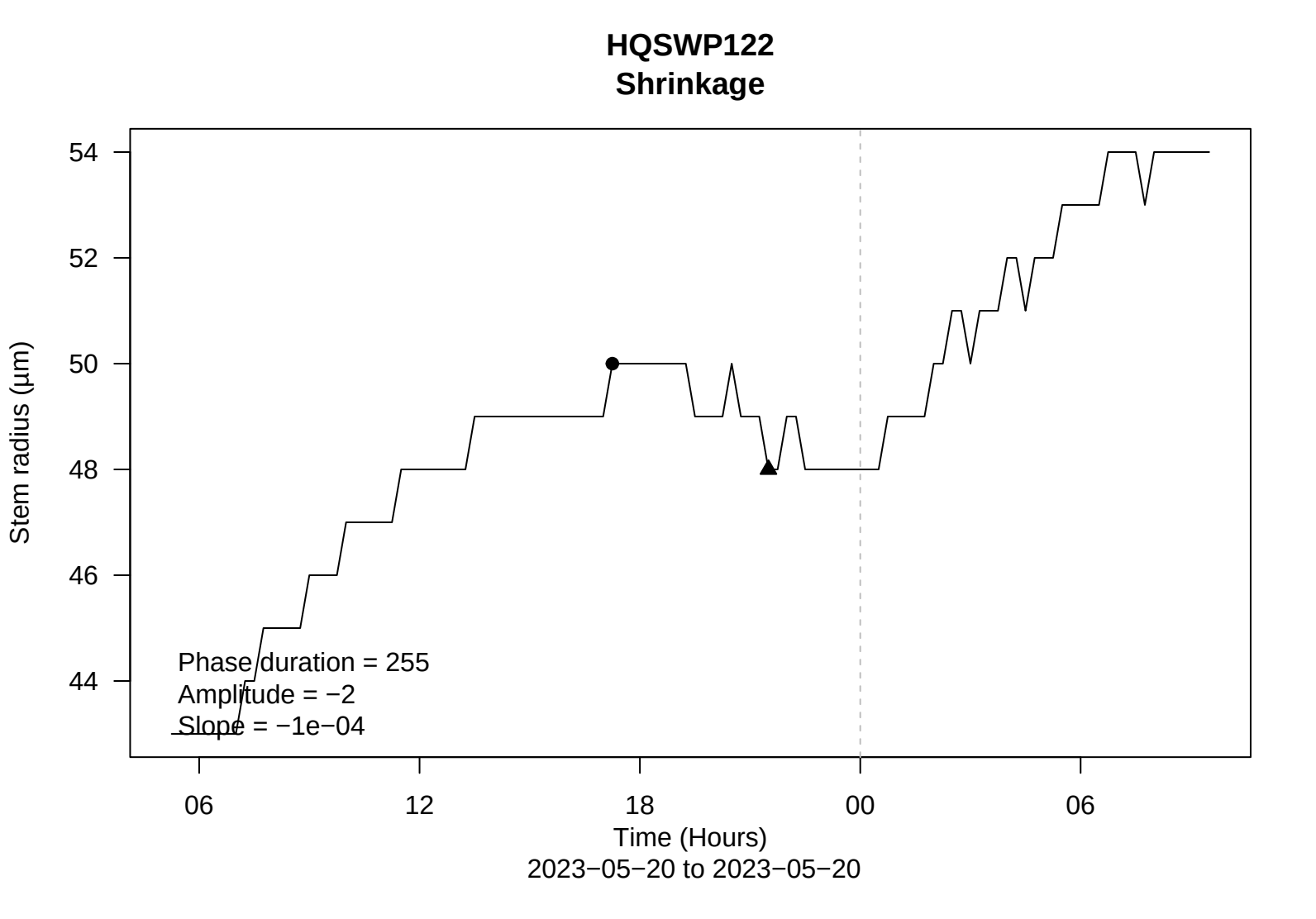
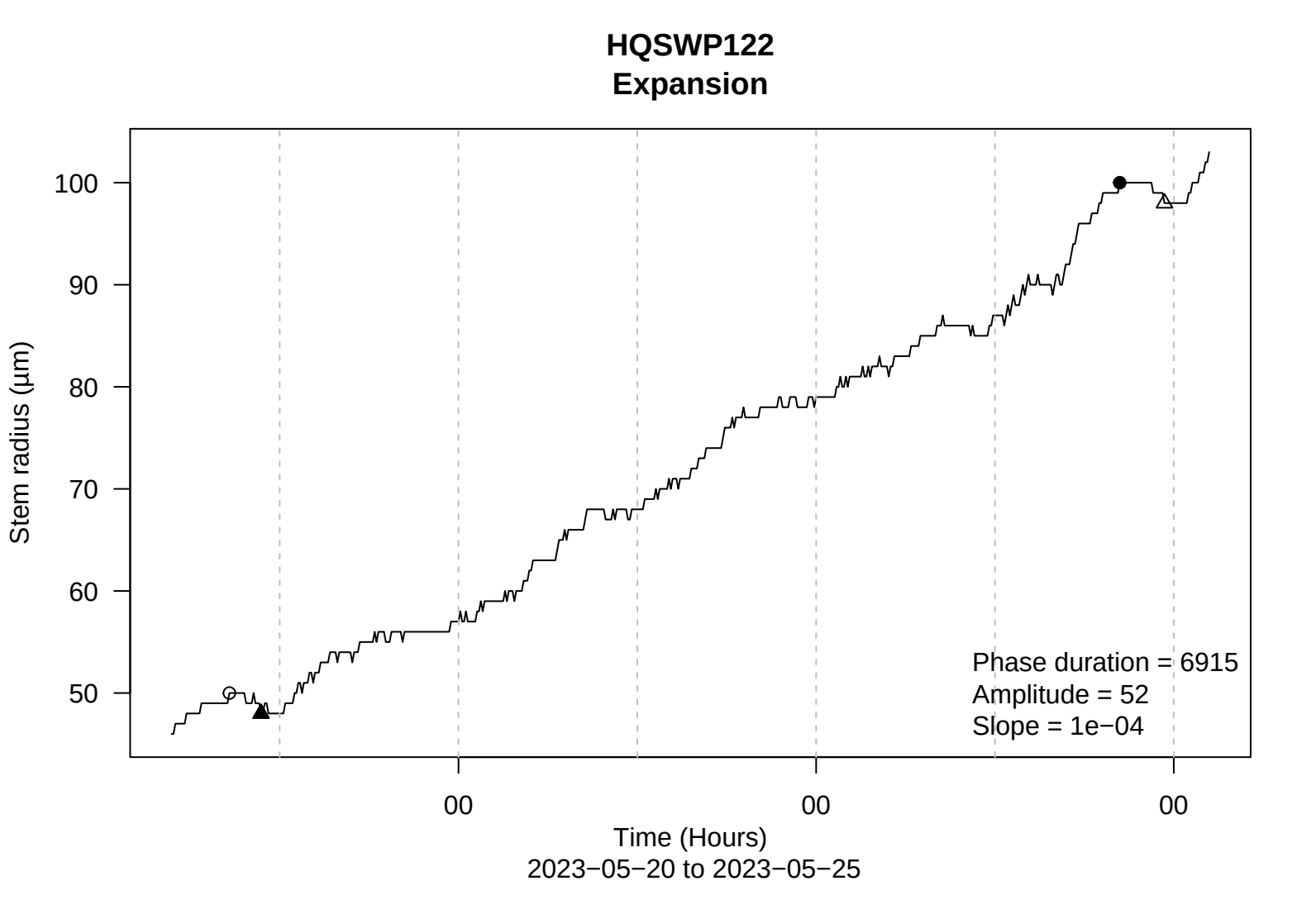

HQSWP122
Shrinkage
Stem radius (µm)
20
15
10
Phase duration = 405
Amplitude = −4
Slope = −1e−04
12
00
12
Time (Hours)
2023−05−17 to 2023−05−17

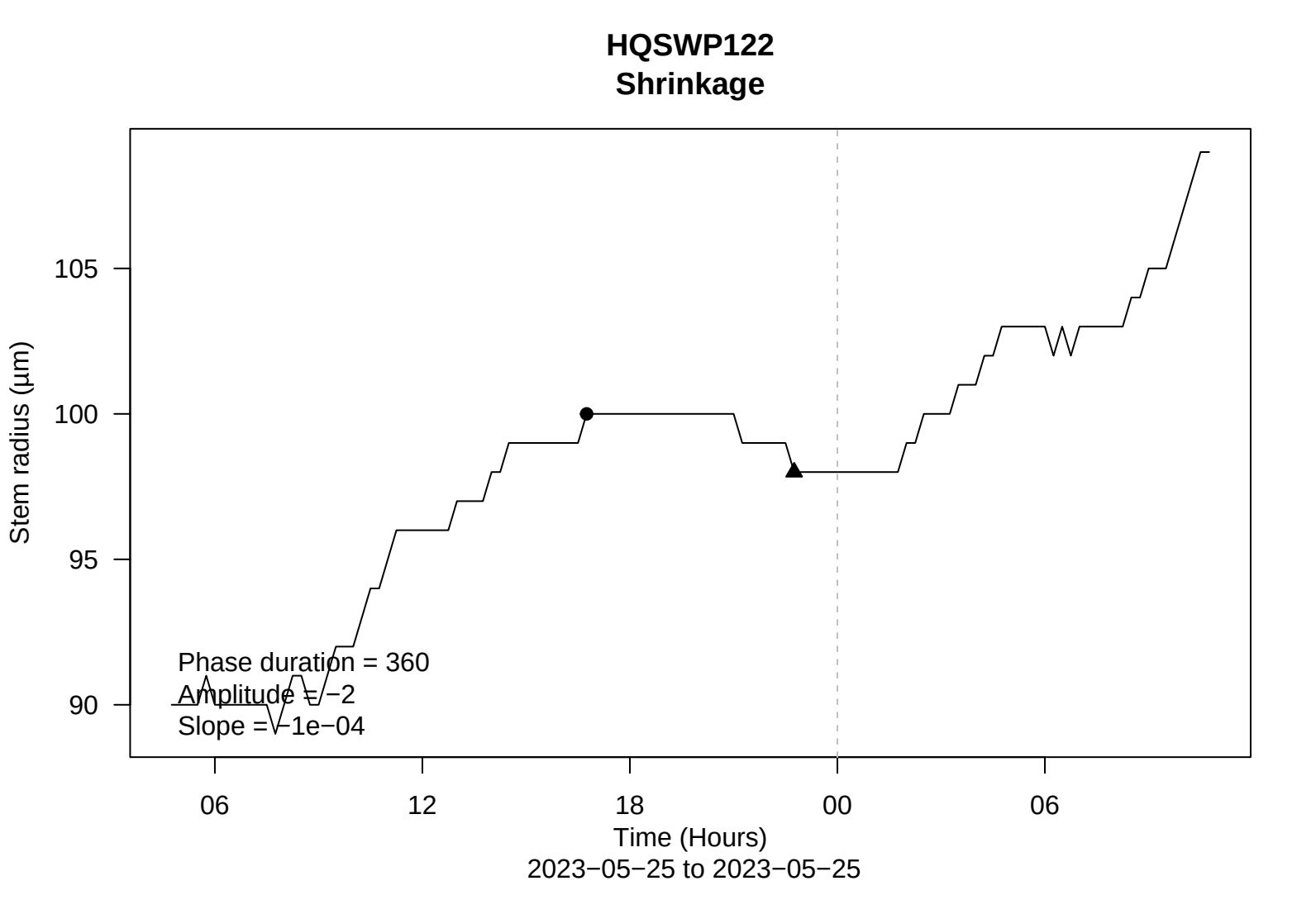

HQSWP122
Expansion
Stem radius (µm)
26
24
22
20
18
16
14
12
00
12
00
Time (Hours)
2023−05−17 to 2023−05−18
Phase duration = 825
Amplitude = 10
Slope = 2e−04

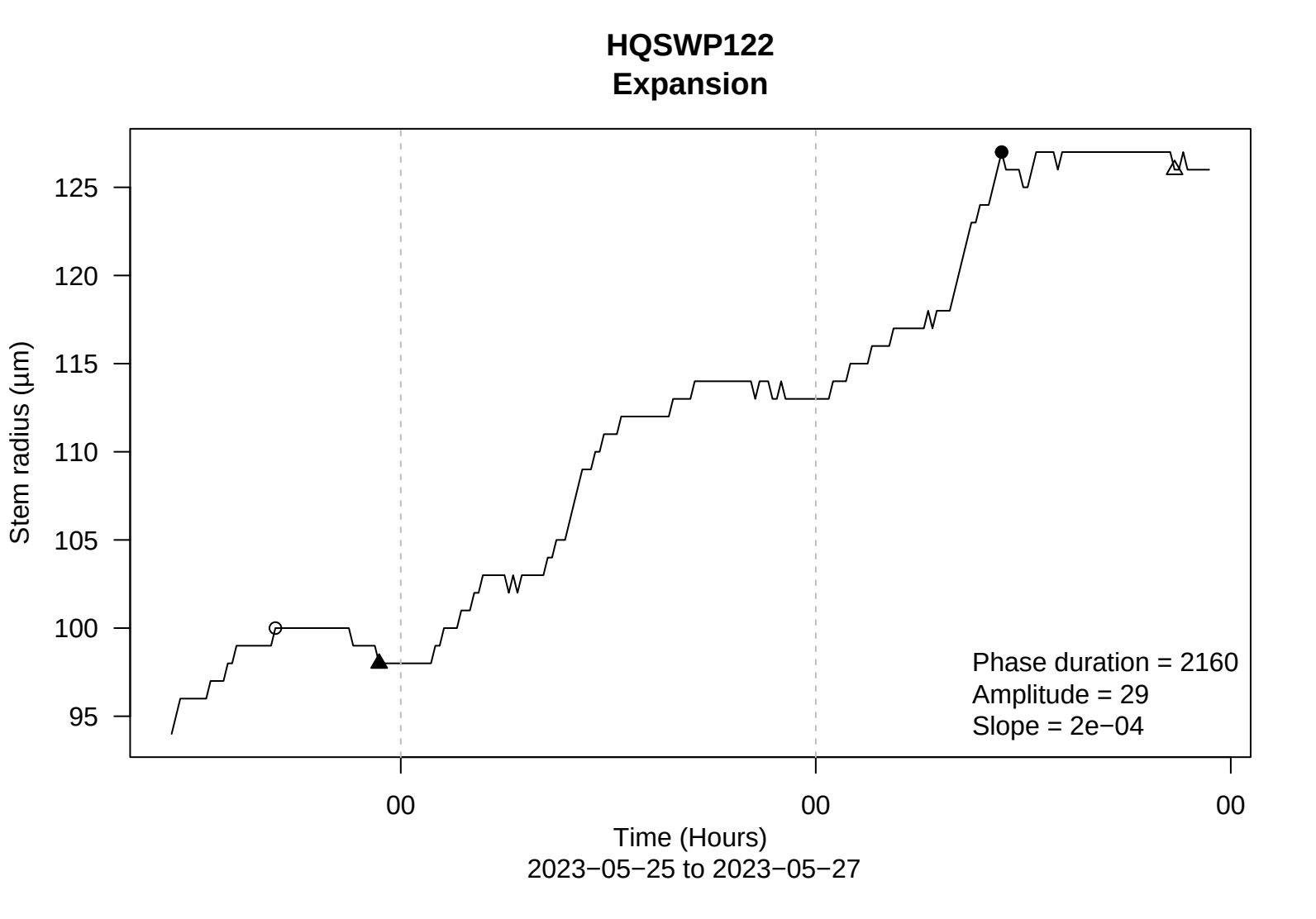

HQSWP122
Shrinkage
Stem radius (µm)
30
25
20
Phase duration = 480
Amplitude = −3
Slope = −1e−04
00
12
00
Time (Hours)
2023−05−18 to 2023−05−18

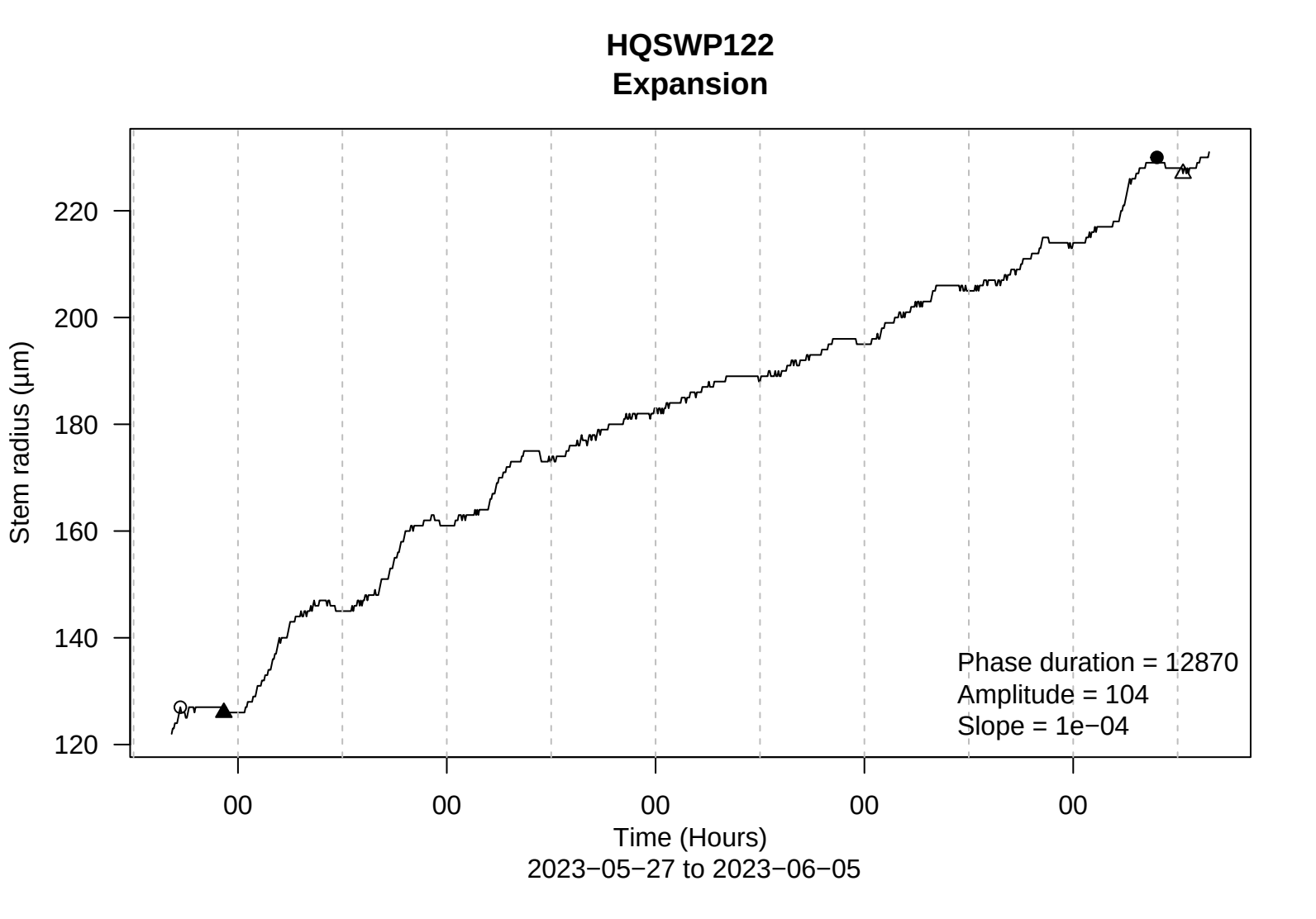

HQSWP122
Expansion
Stem radius (µm)
50
45
40
35
30
25
20
00
00
00
Time (Hours)
2023−05−18 to 2023−05−20
Phase duration = 2640
Amplitude = 26
Slope = 2e−04

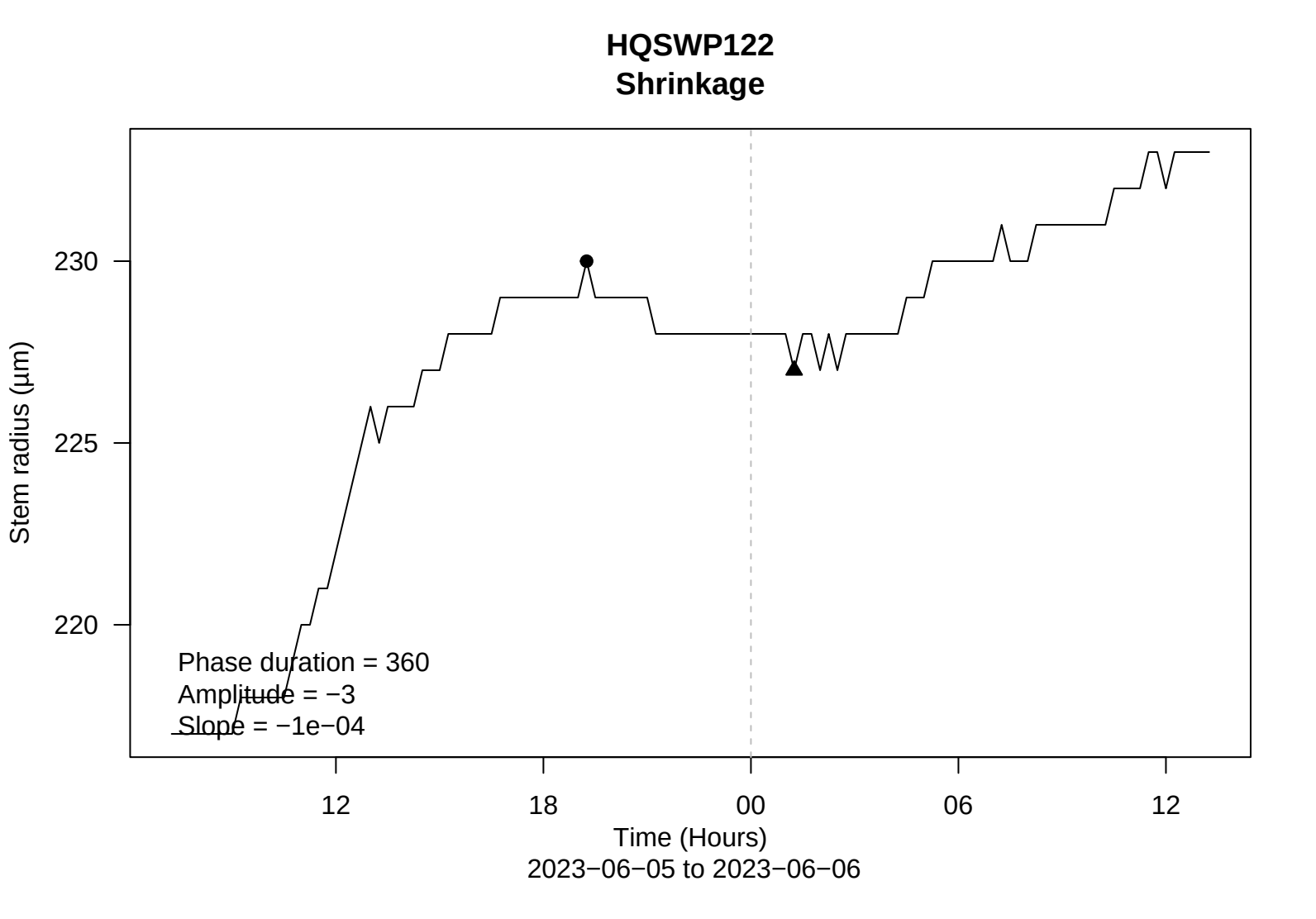

HQSWP122
Shrinkage
Stem radius (µm)
54
52
50
48
46
44
Phase duration = 255
Amplitude = −2
Slope = −1e−04
06
12
18
00
06
Time (Hours)
2023−05−20 to 2023−05−20

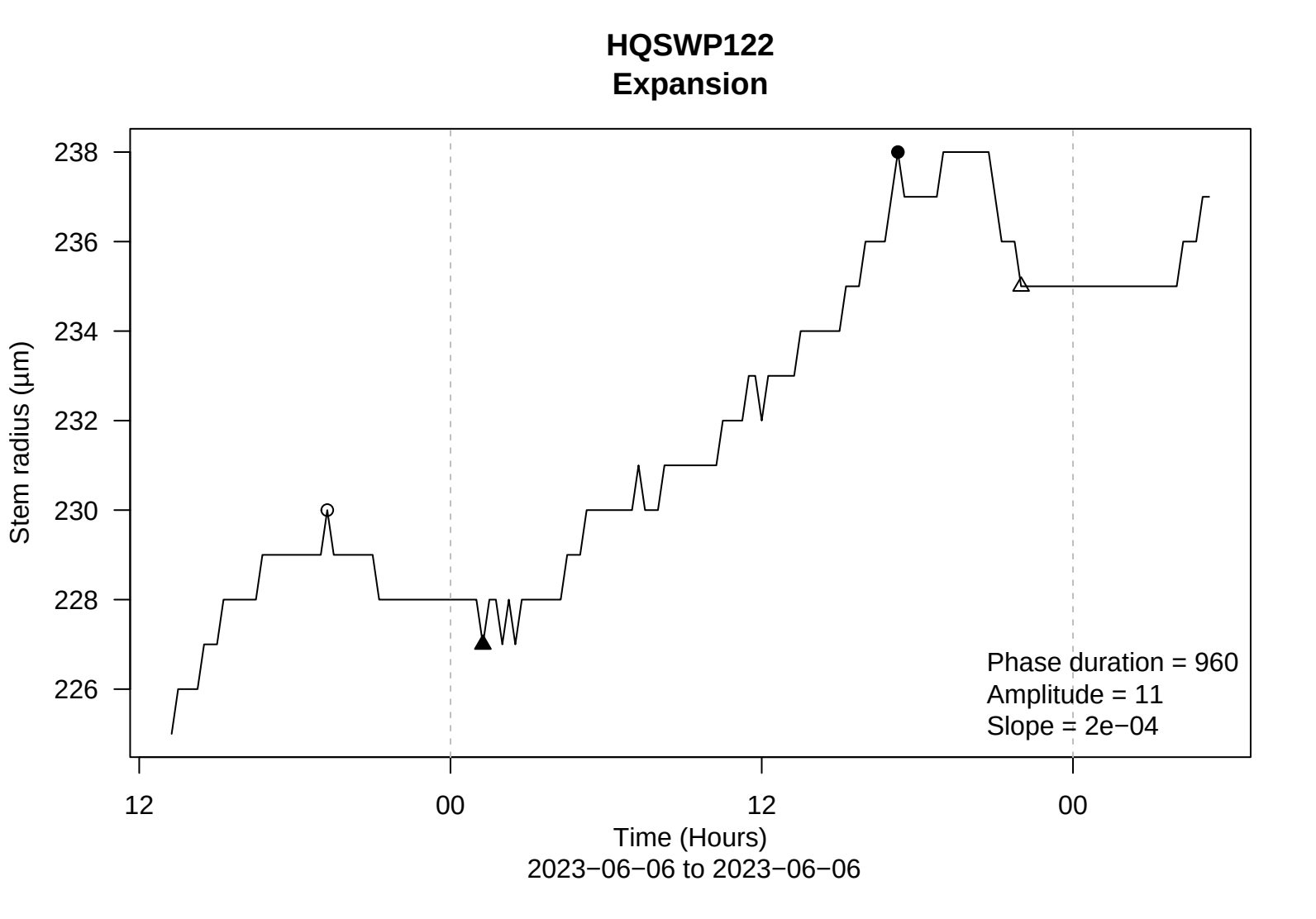

HQSWP122
Expansion
100
90
80
70
60
50
Stem radius (µm)
00
00
00
Time (Hours)
2023−05−20 to 2023−05−25
Phase duration = 6915
Amplitude = 52
Slope = 1e−04

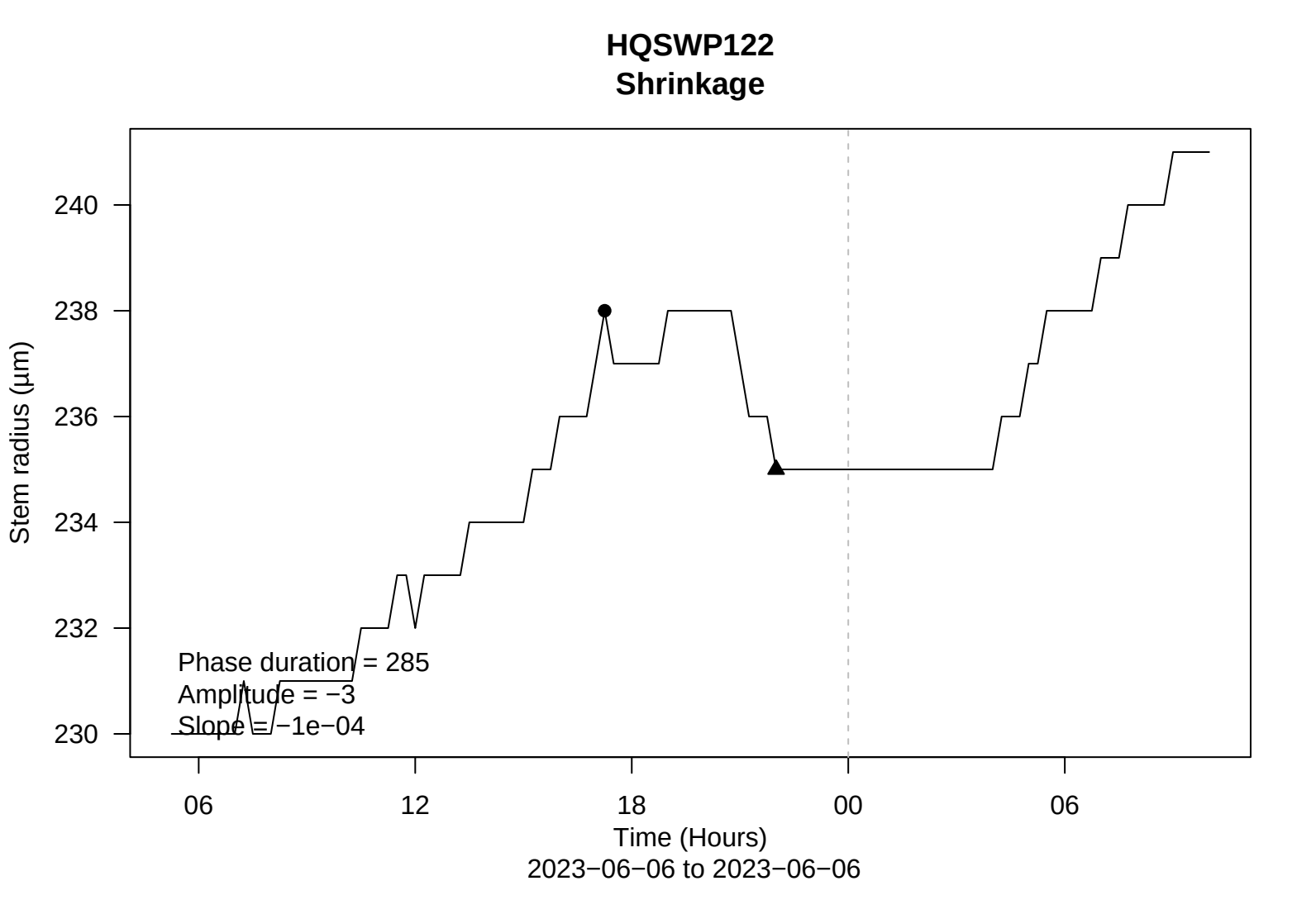

HQSWP122
Shrinkage
Stem radius (µm)
105
100
95
90
Phase duration = 360
Amplitude = −2
Slope = −1e−04
06
12
18
00
06
Time (Hours)
2023−05−25 to 2023−05−25

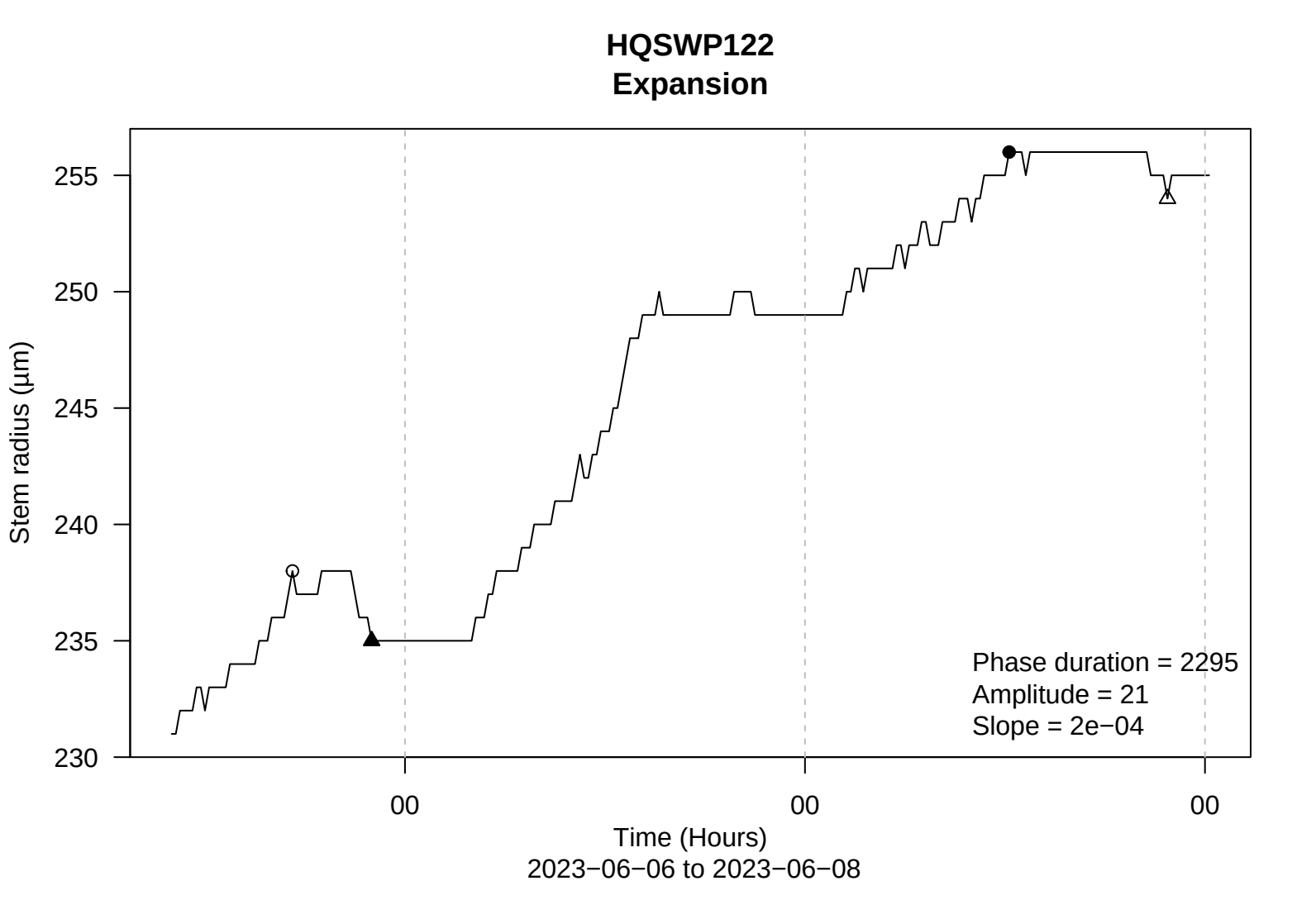

HQSWP122
Expansion
Stem radius (µm)
125
120
115
110
105
100
95
00
00
00
Time (Hours)
2023−05−25 to 2023−05−27
Phase duration = 2160
Amplitude = 29
Slope = 2e−04

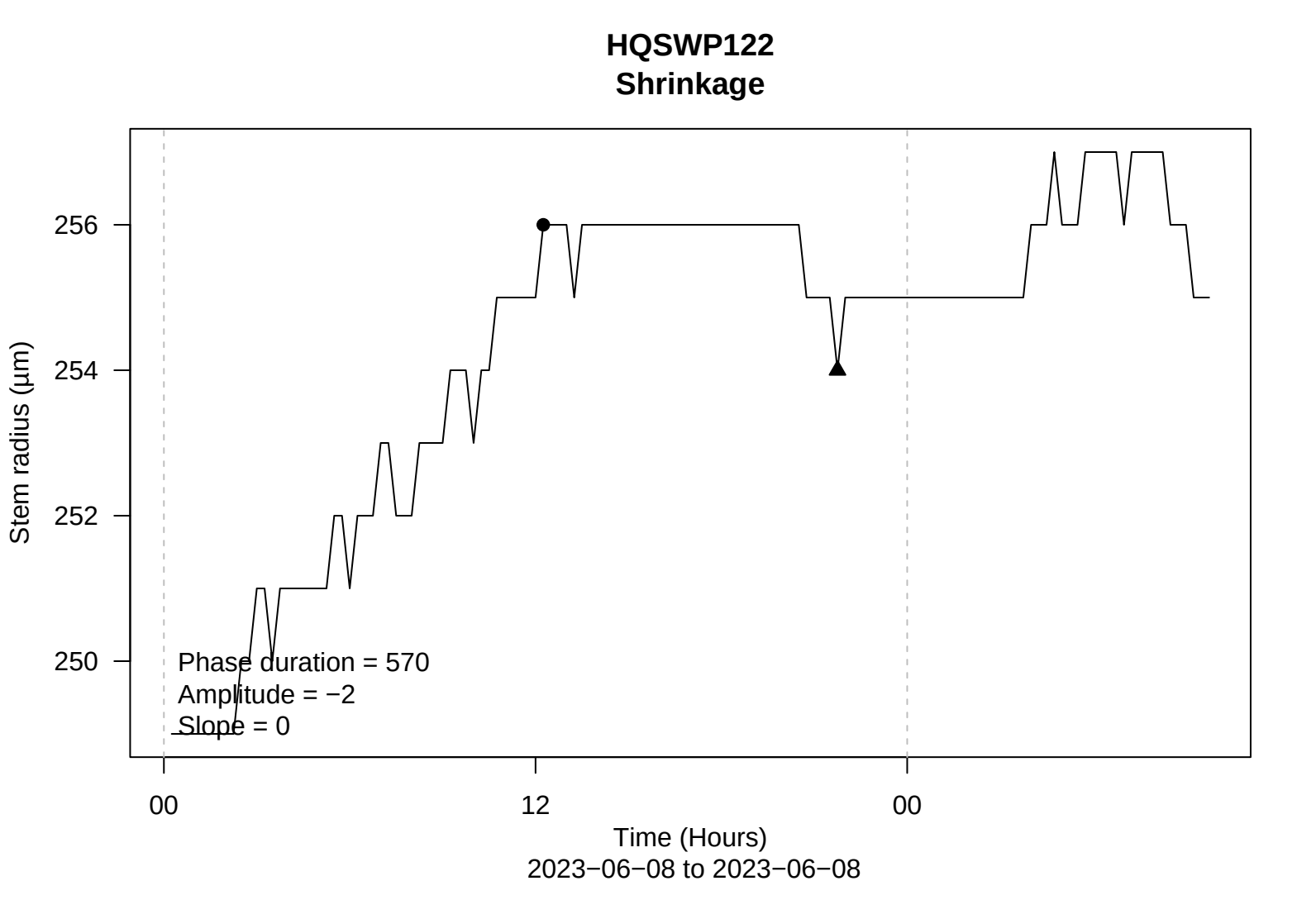

HQSWP122
Expansion
Stem radius (µm)
220
200
180
160
140
120
00
00
00
00
00
Time (Hours)
2023−05−27 to 2023−06−05
Phase duration = 12870
Amplitude = 104
Slope = 1e−04

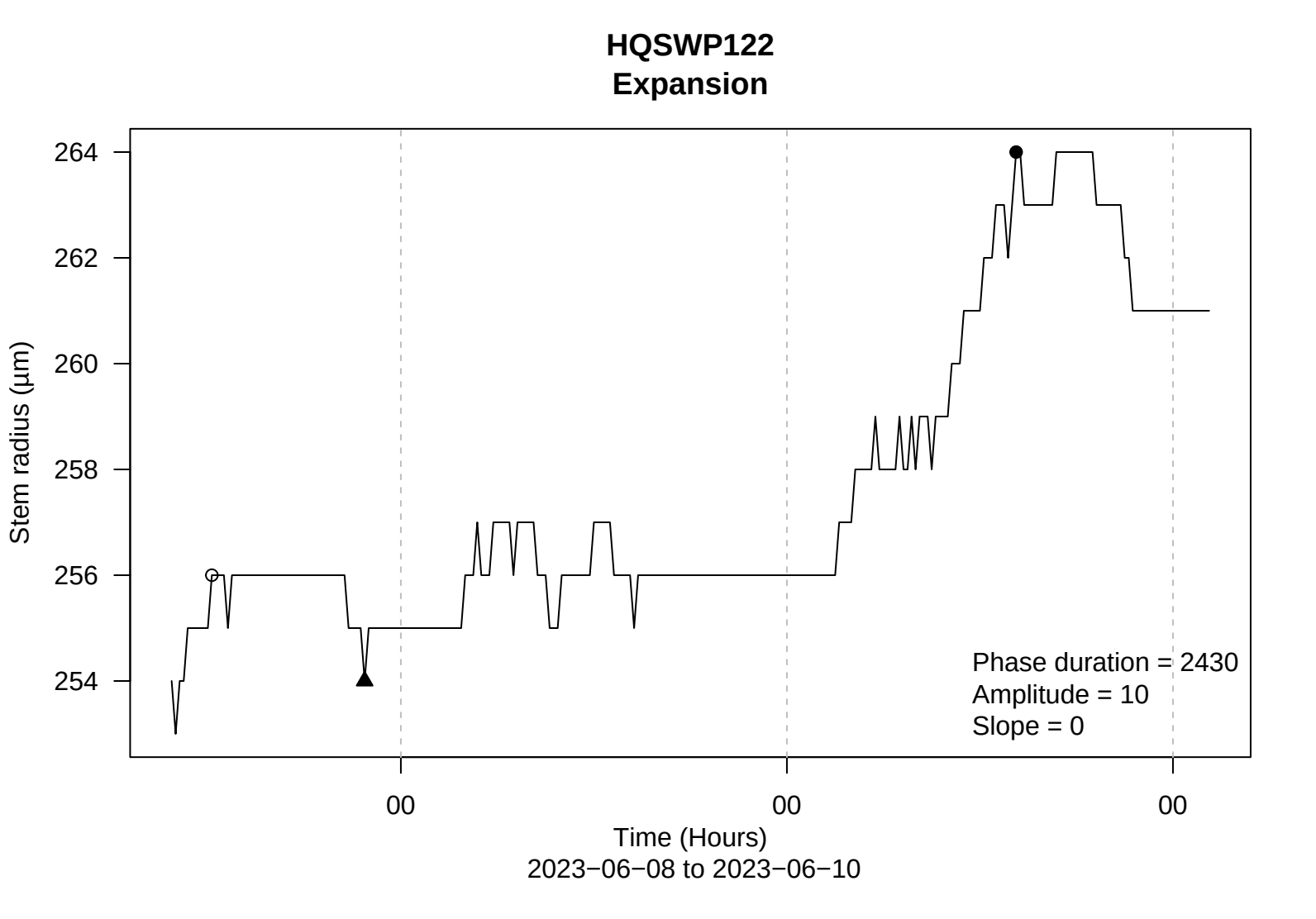

HQSWP122
Shrinkage
230
225
220
Stem radius (µm)
Phase duration = 360
Amplitude = −3
Slope = −1e−04
12
18
00
06
12
Time (Hours)
2023−06−05 to 2023−06−06

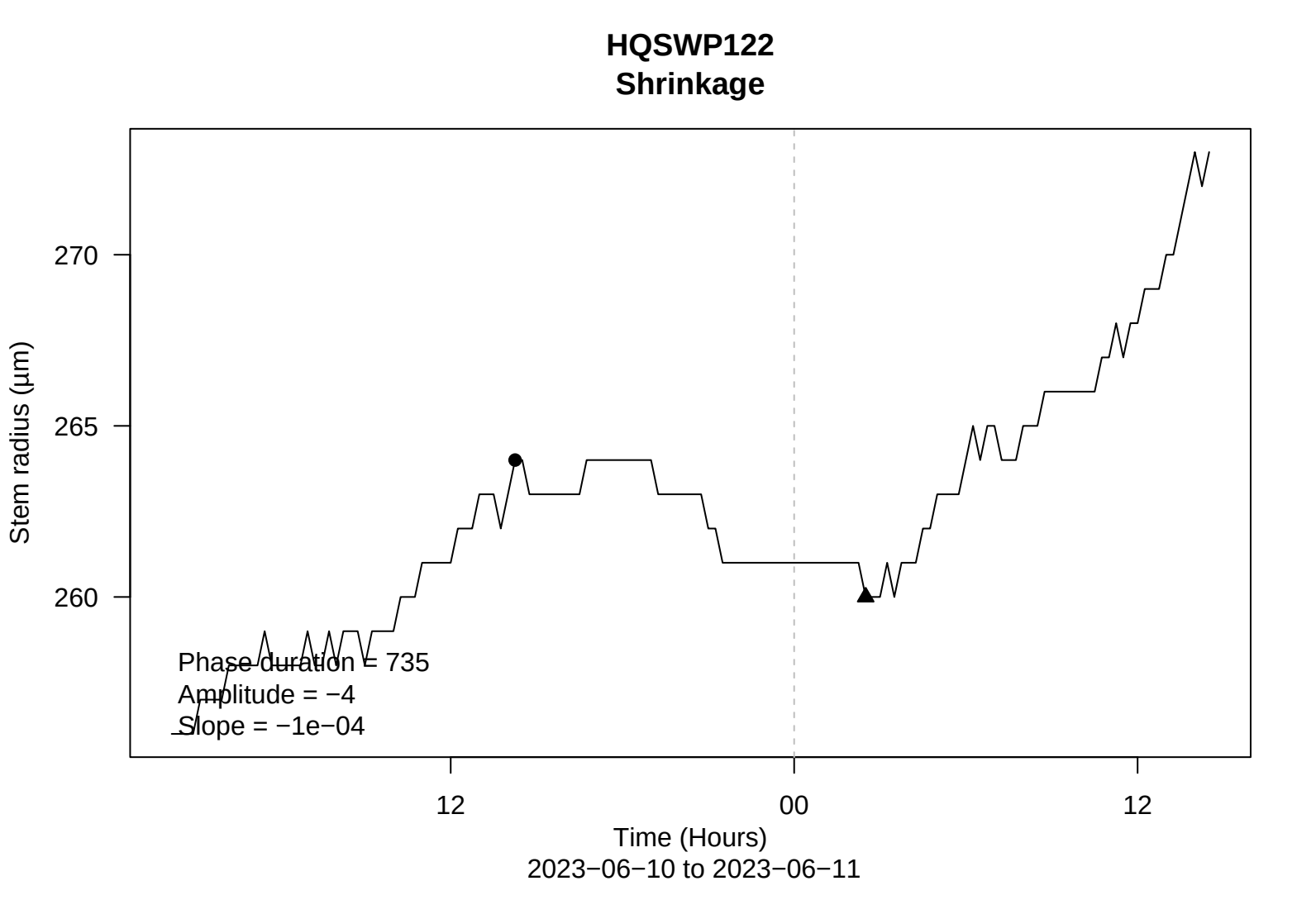

HQSWP122
Expansion
238
236
234
232
230
228
226
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−06−06 to 2023−06−06
Phase duration = 960
Amplitude = 11
Slope = 2e−04

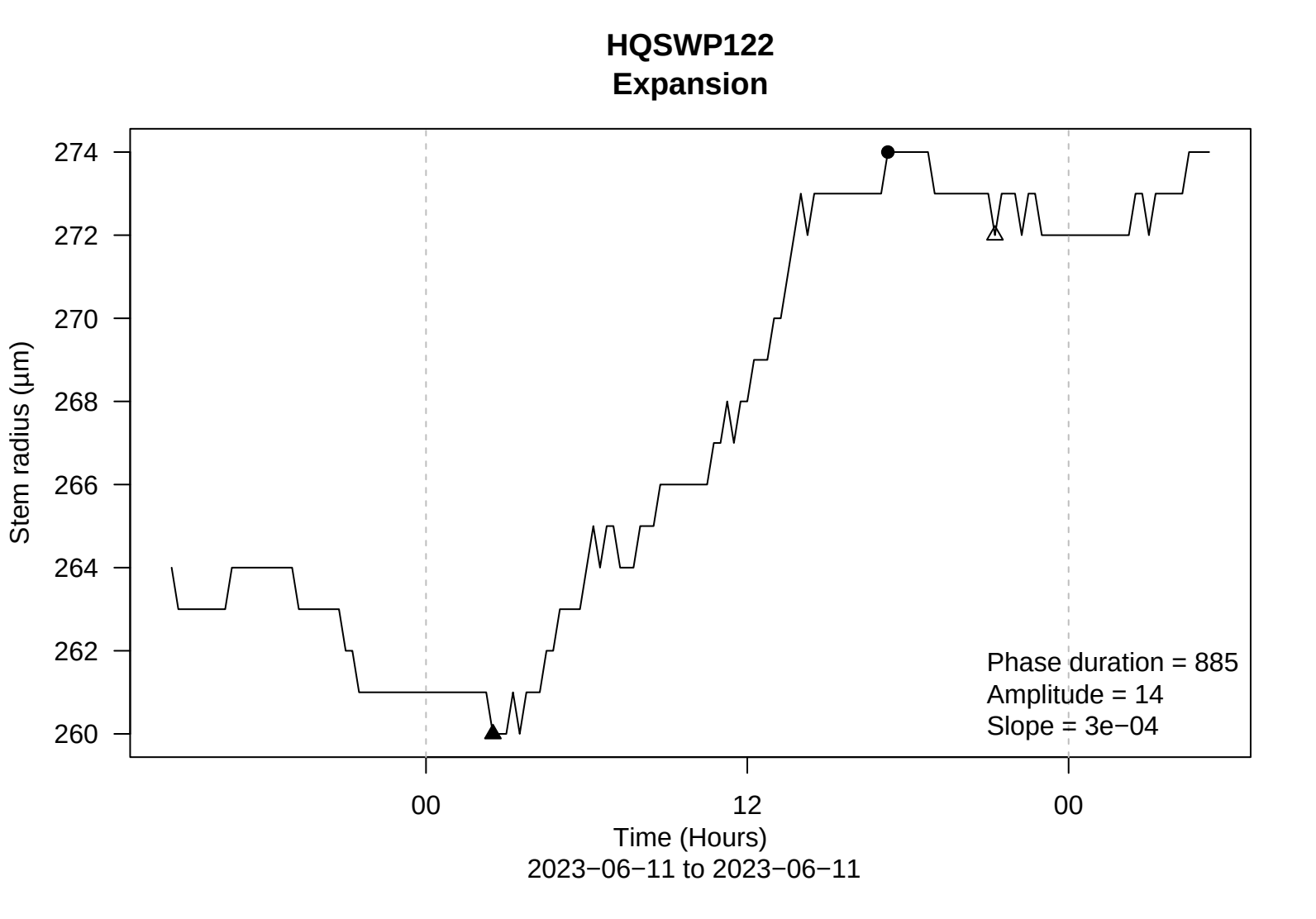

HQSWP122
Shrinkage
Stem radius (µm)
240
238
236
234
232
230
Phase duration = 285
Amplitude = −3
Slope = −1e−04
06
12
18
00
06
Time (Hours)
2023−06−06 to 2023−06−06

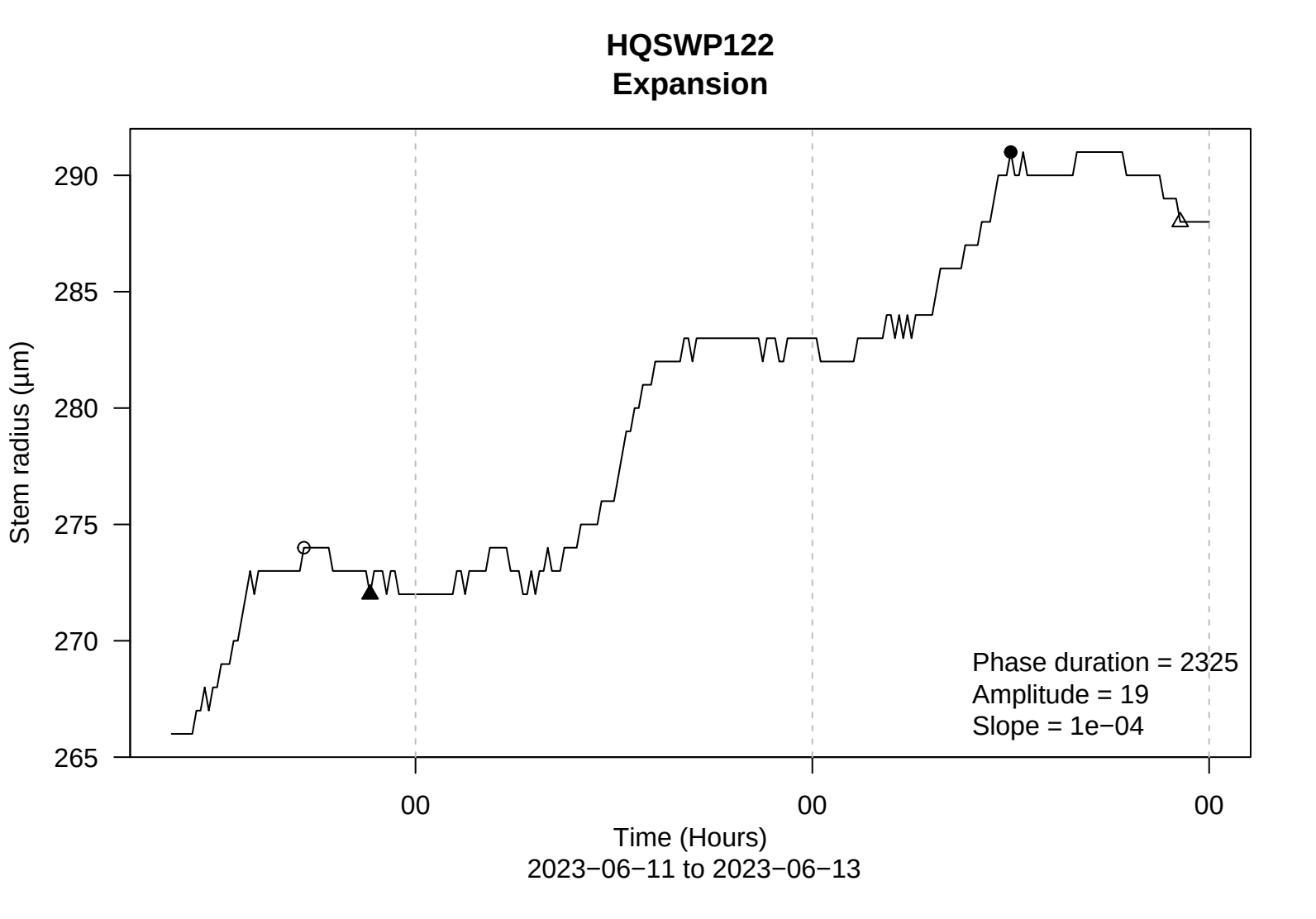

HQSWP122
Expansion
Stem radius (µm)
255
250
245
240
235
230
00
00
00
Time (Hours)
2023−06−06 to 2023−06−08
Phase duration = 2295
Amplitude = 21
Slope = 2e−04

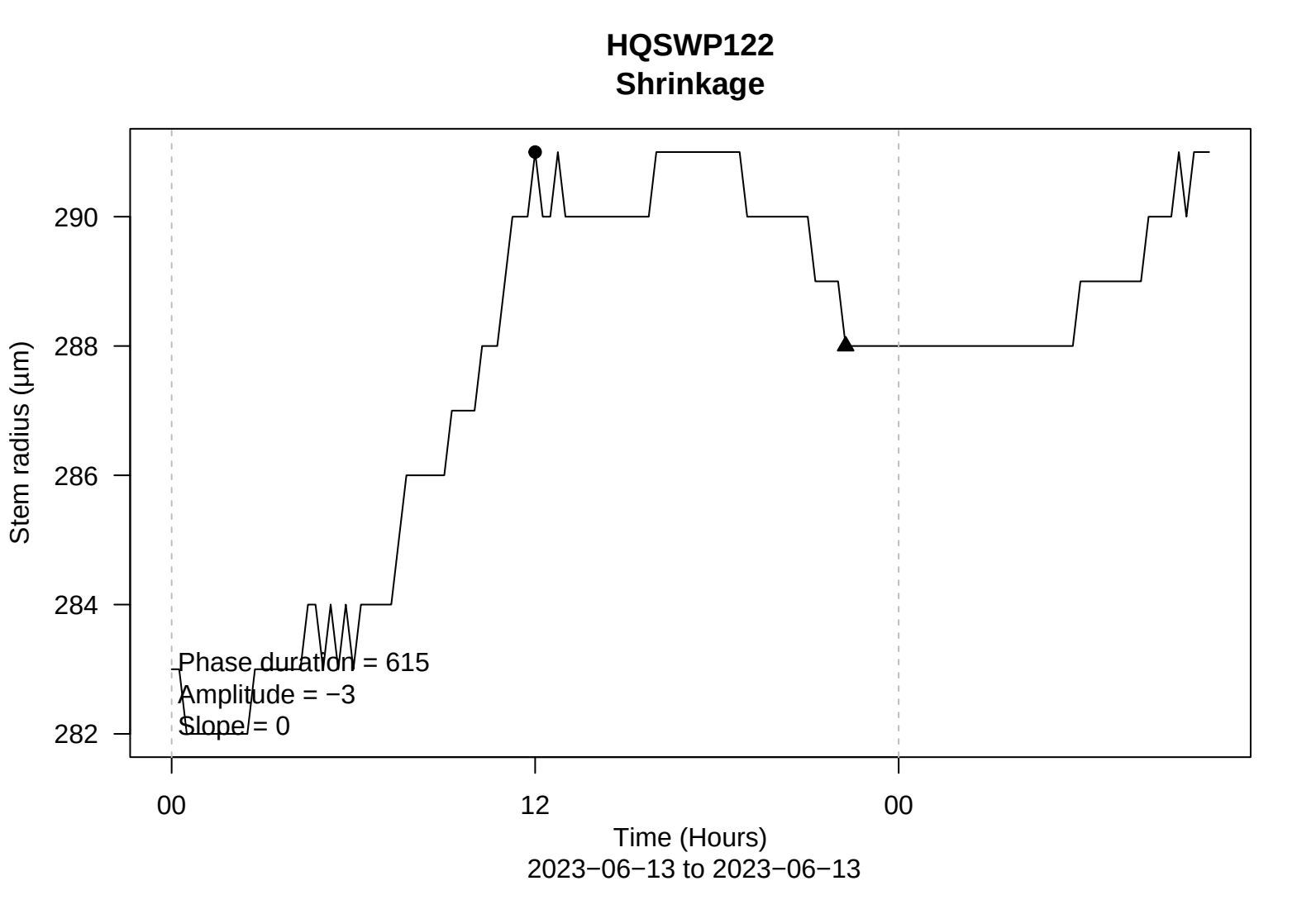

HQSWP122
Shrinkage
Stem radius (µm)
256
254
252
250
Phase duration = 570
Amplitude = −2
Slope = 0
00
12
00
Time (Hours)
2023−06−08 to 2023−06−08

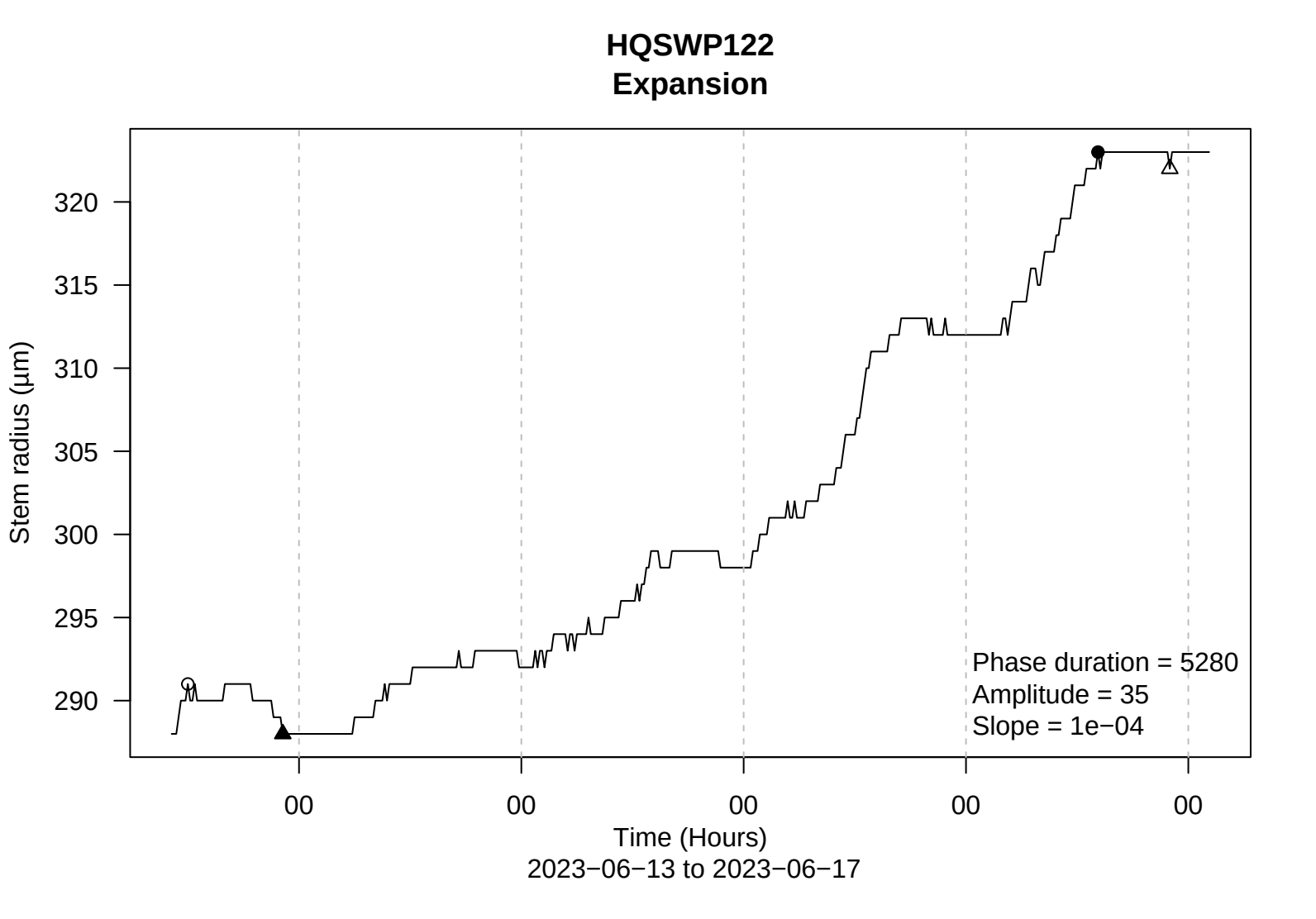

HQSWP122
Expansion
264
262
260
258
256
254
Stem radius (µm)
00
00
00
Time (Hours)
2023−06−08 to 2023−06−10
Phase duration = 2430
Amplitude = 10
Slope = 0

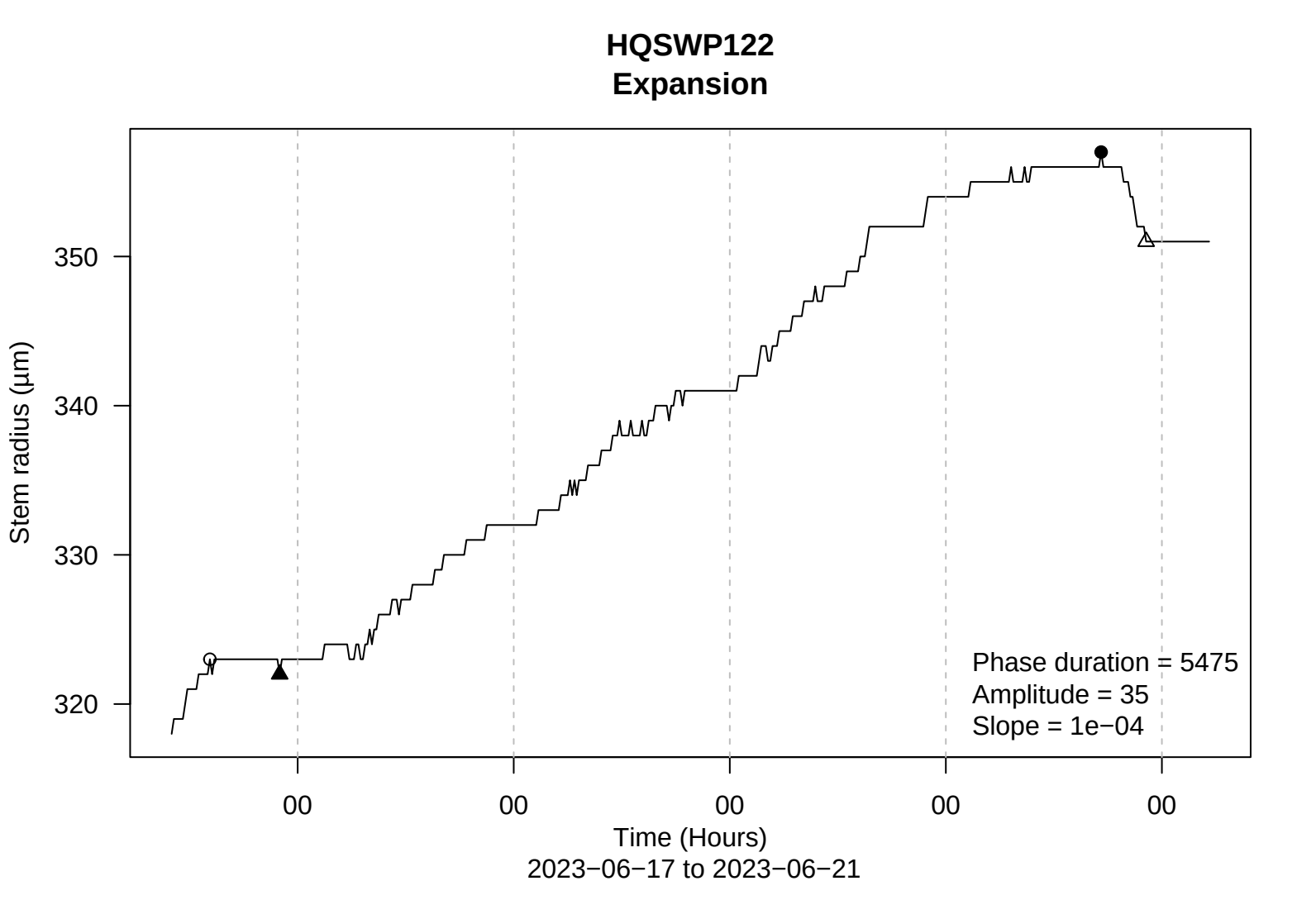

HQSWP122
Shrinkage
270
265
260
Stem radius (µm)
Phase duration = 735
Amplitude = −4
Slope = −1e−04
12
00
12
Time (Hours)
2023−06−10 to 2023−06−11

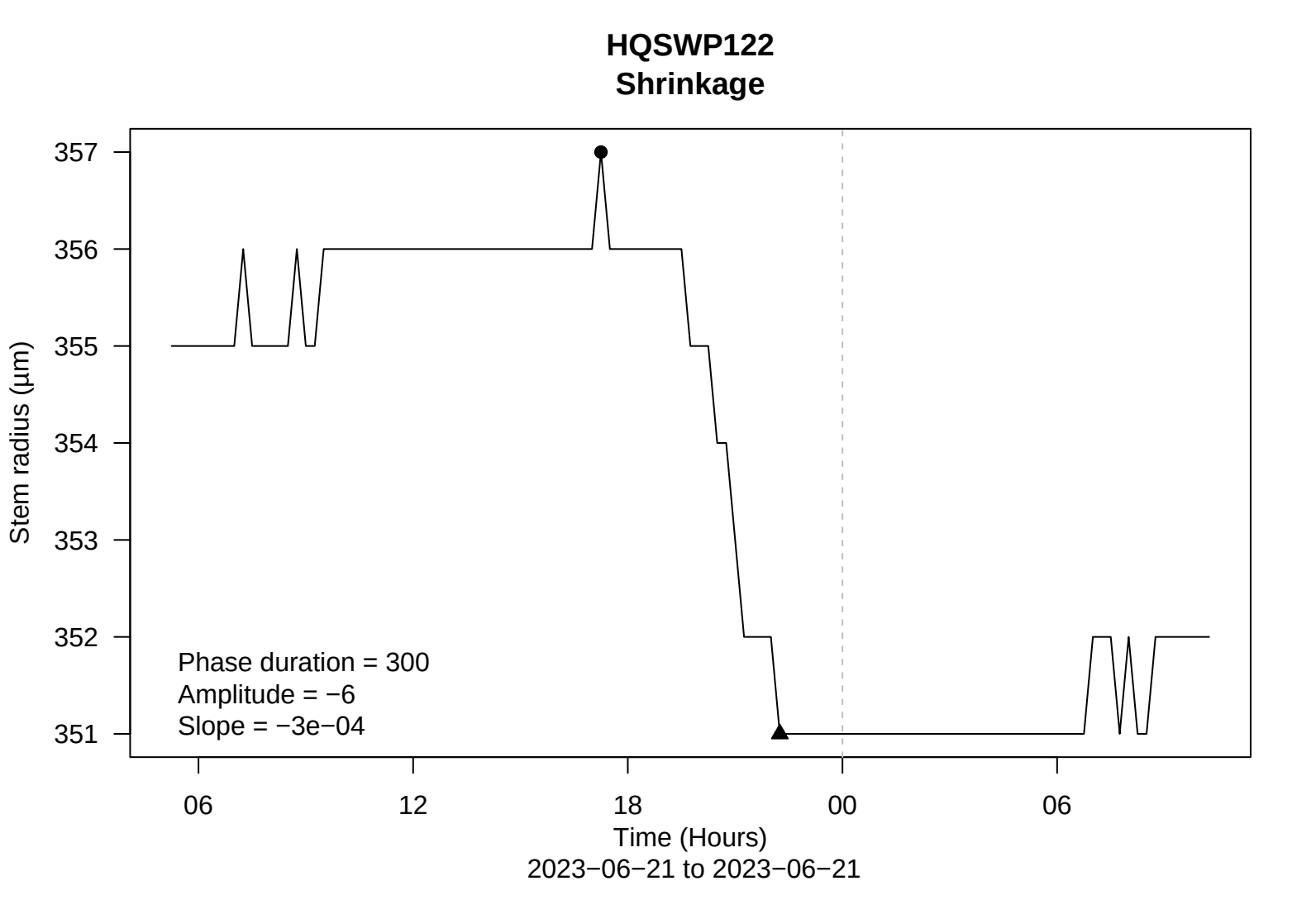

HQSWP122
Expansion
Stem radius (µm)
274
272
270
268
266
264
262
260
00
12
00
Time (Hours)
2023−06−11 to 2023−06−11
Phase duration = 885
Amplitude = 14
Slope = 3e−04

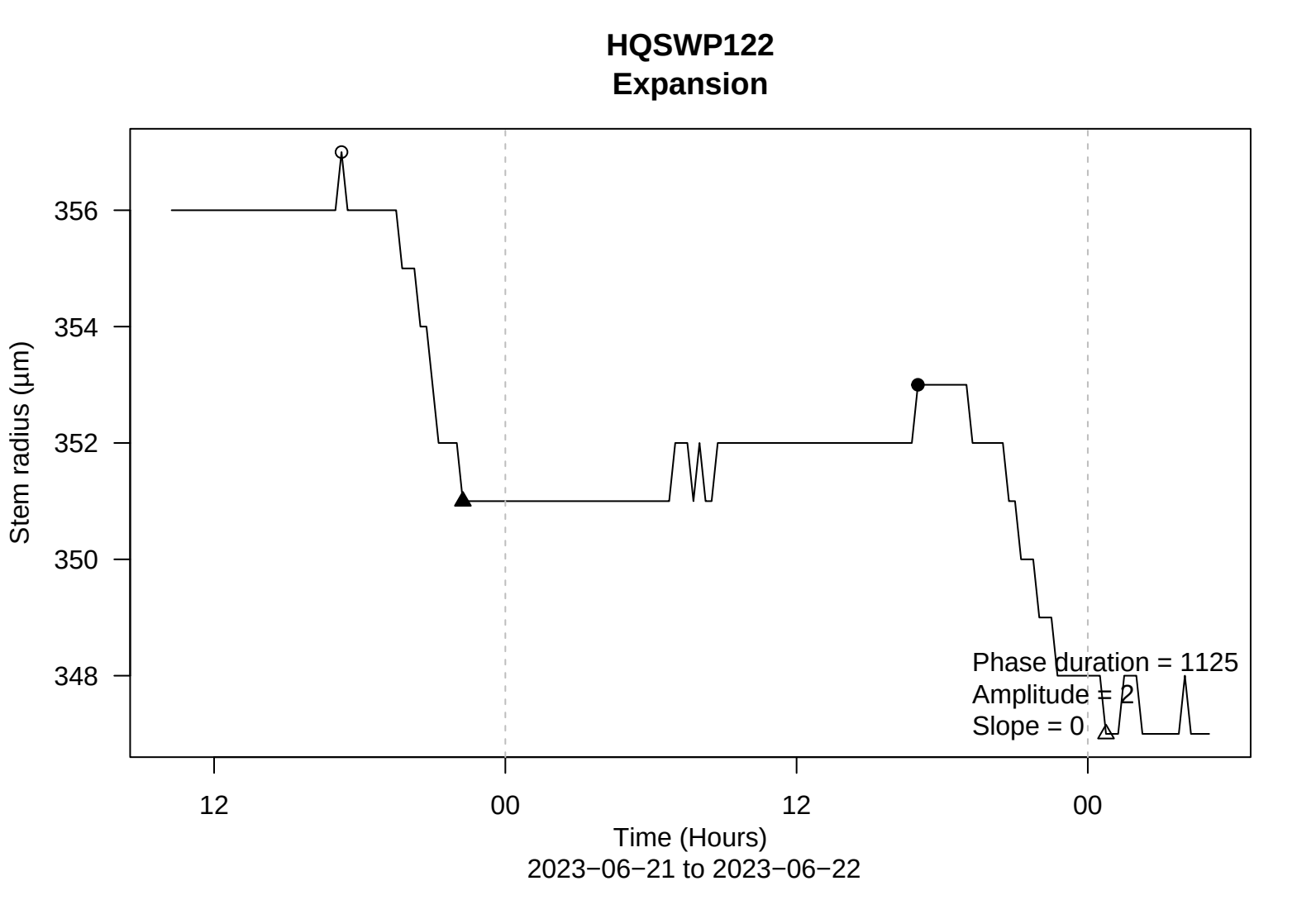

HQSWP122
Expansion
290
285
280
275
270
265
Stem radius (µm)
00
00
00
Time (Hours)
2023−06−11 to 2023−06−13
Phase duration = 2325
Amplitude = 19
Slope = 1e−04

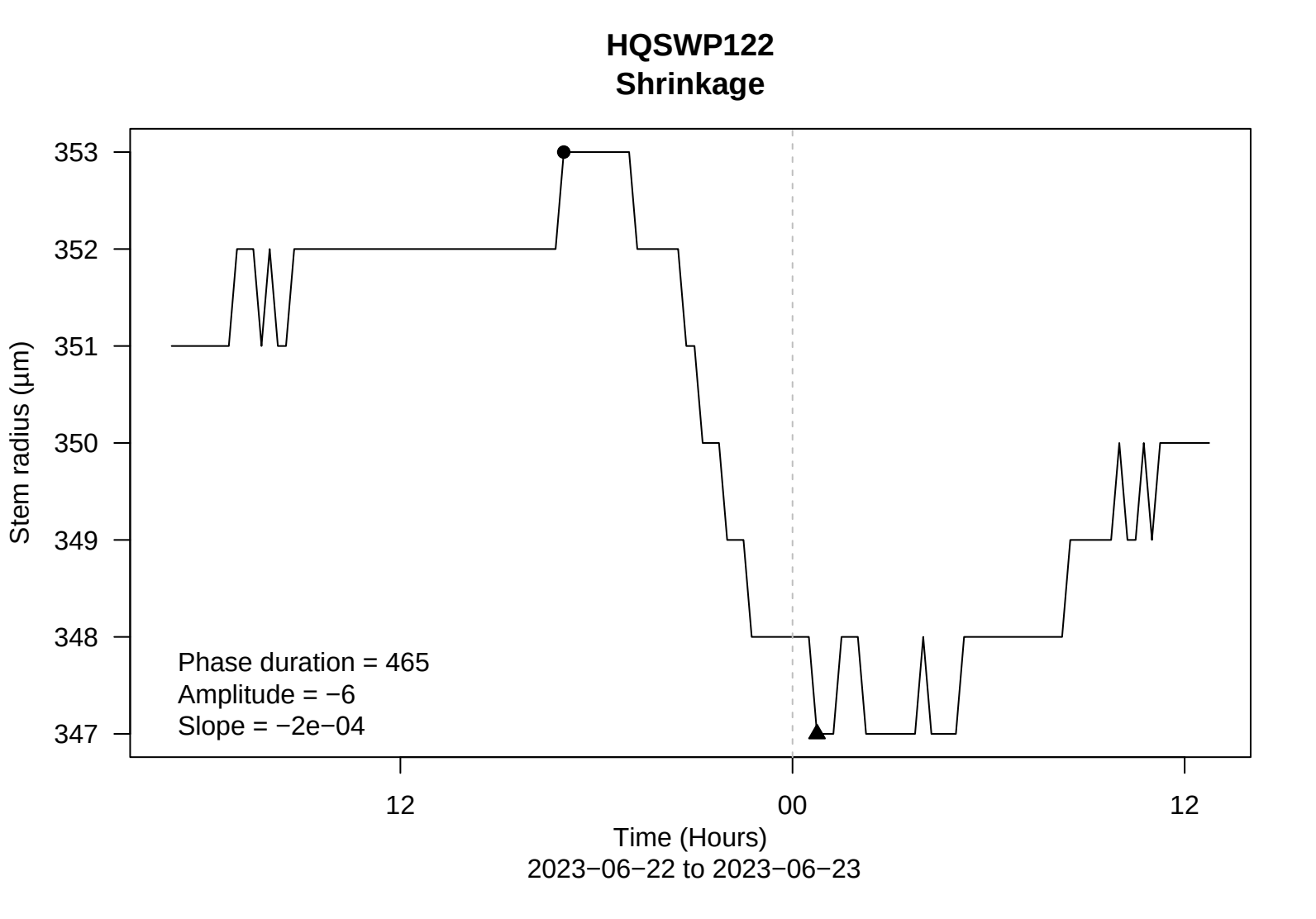

HQSWP122
Shrinkage
290
288
286
284
282
Stem radius (µm)
Phase duration = 615
Amplitude = −3
Slope = 0
00
12
00
Time (Hours)
2023−06−13 to 2023−06−13

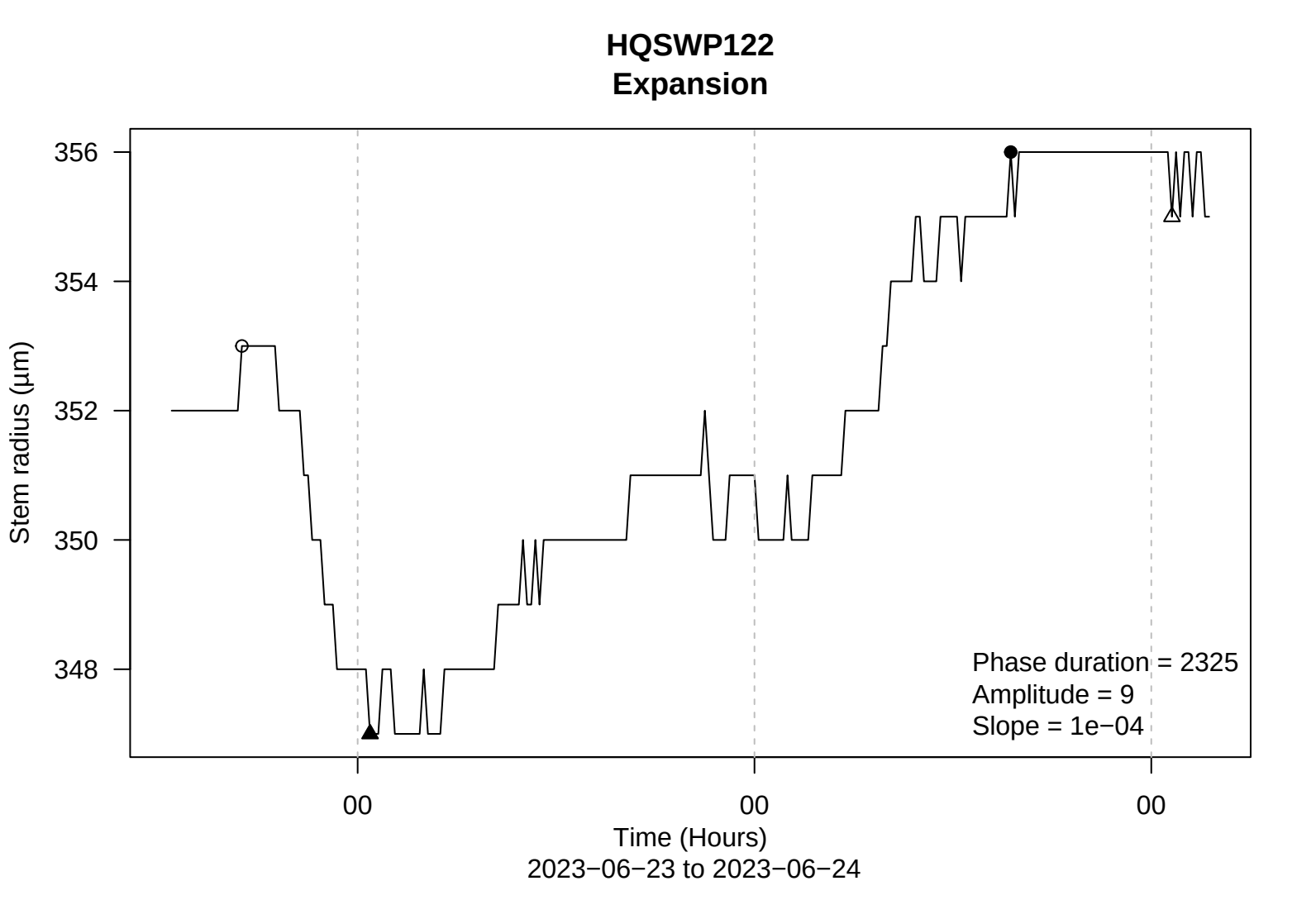

HQSWP122
Expansion
Stem radius (µm)
320
315
310
305
300
295
290
00
00
00
00
00
Time (Hours)
2023−06−13 to 2023−06−17
Phase duration = 5280
Amplitude = 35
Slope = 1e−04

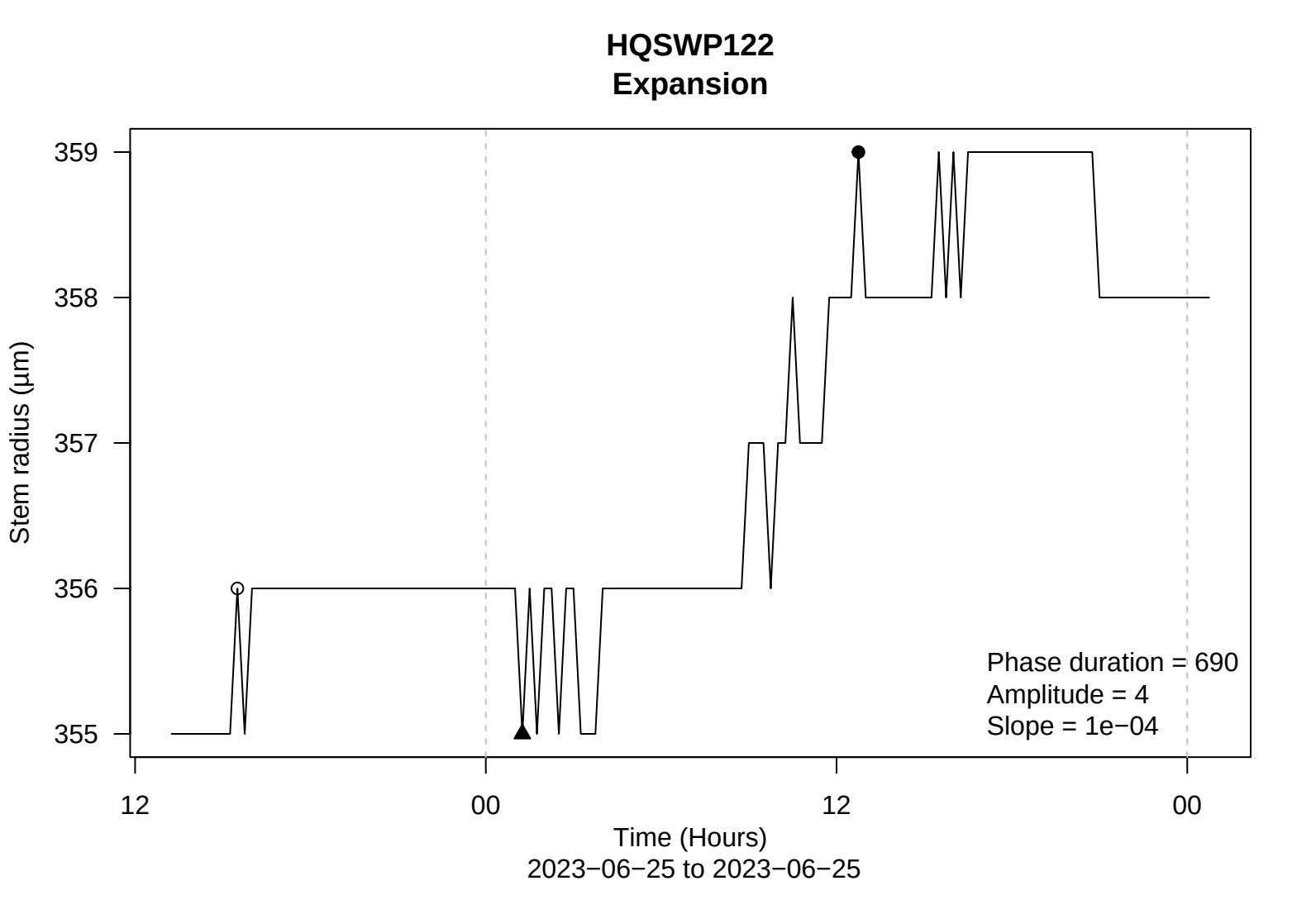

HQSWP122
Expansion
Stem radius (µm)
350
340
330
320
00
00
00
00
00
Time (Hours)
2023−06−17 to 2023−06−21
Phase duration = 5475
Amplitude = 35
Slope = 1e−04

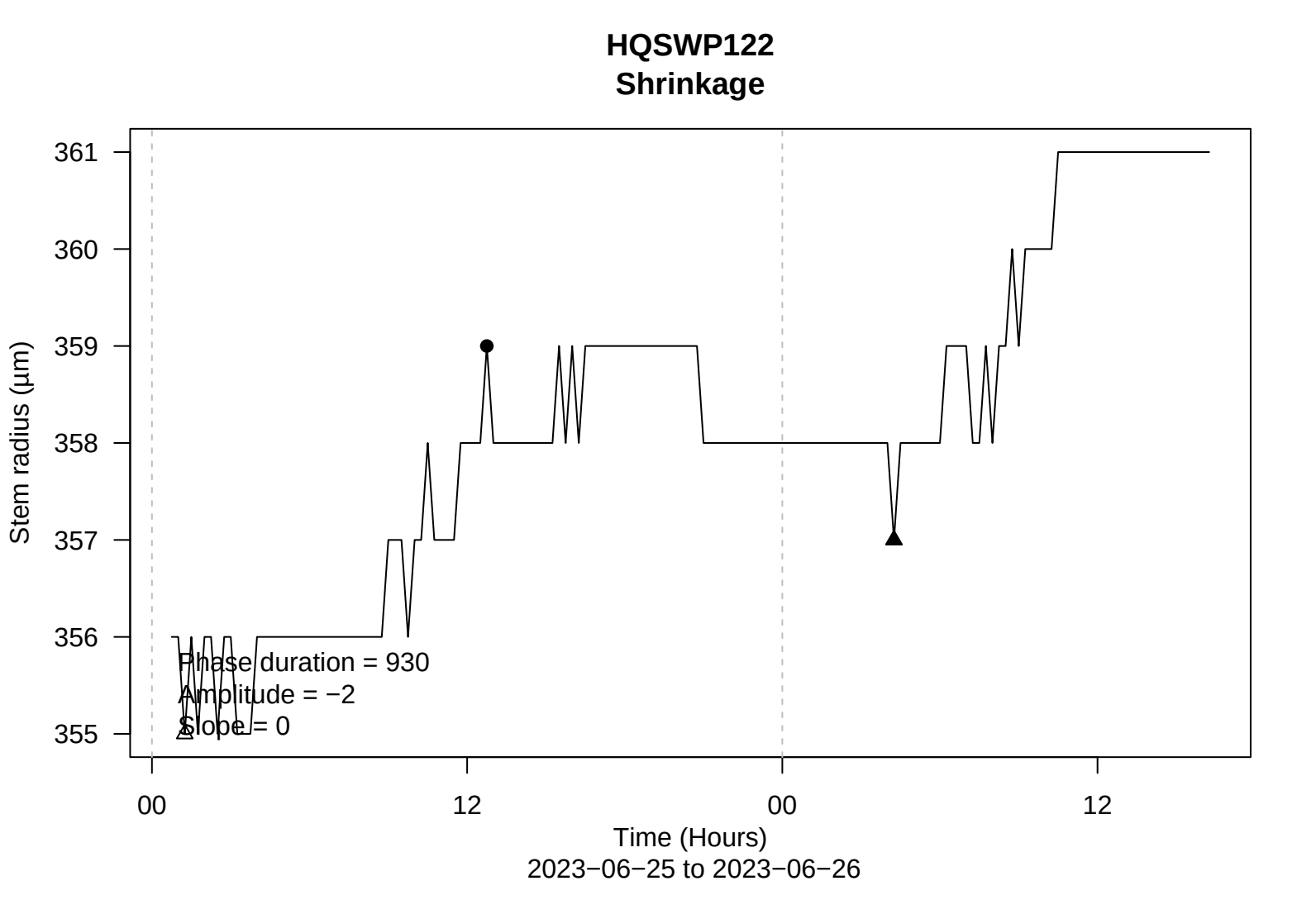

HQSWP122
Shrinkage
357
356
355
354
353
352
351
Stem radius (µm)
Phase duration = 300
Amplitude = −6
Slope = −3e−04
06
12
18
00
06
Time (Hours)
2023−06−21 to 2023−06−21

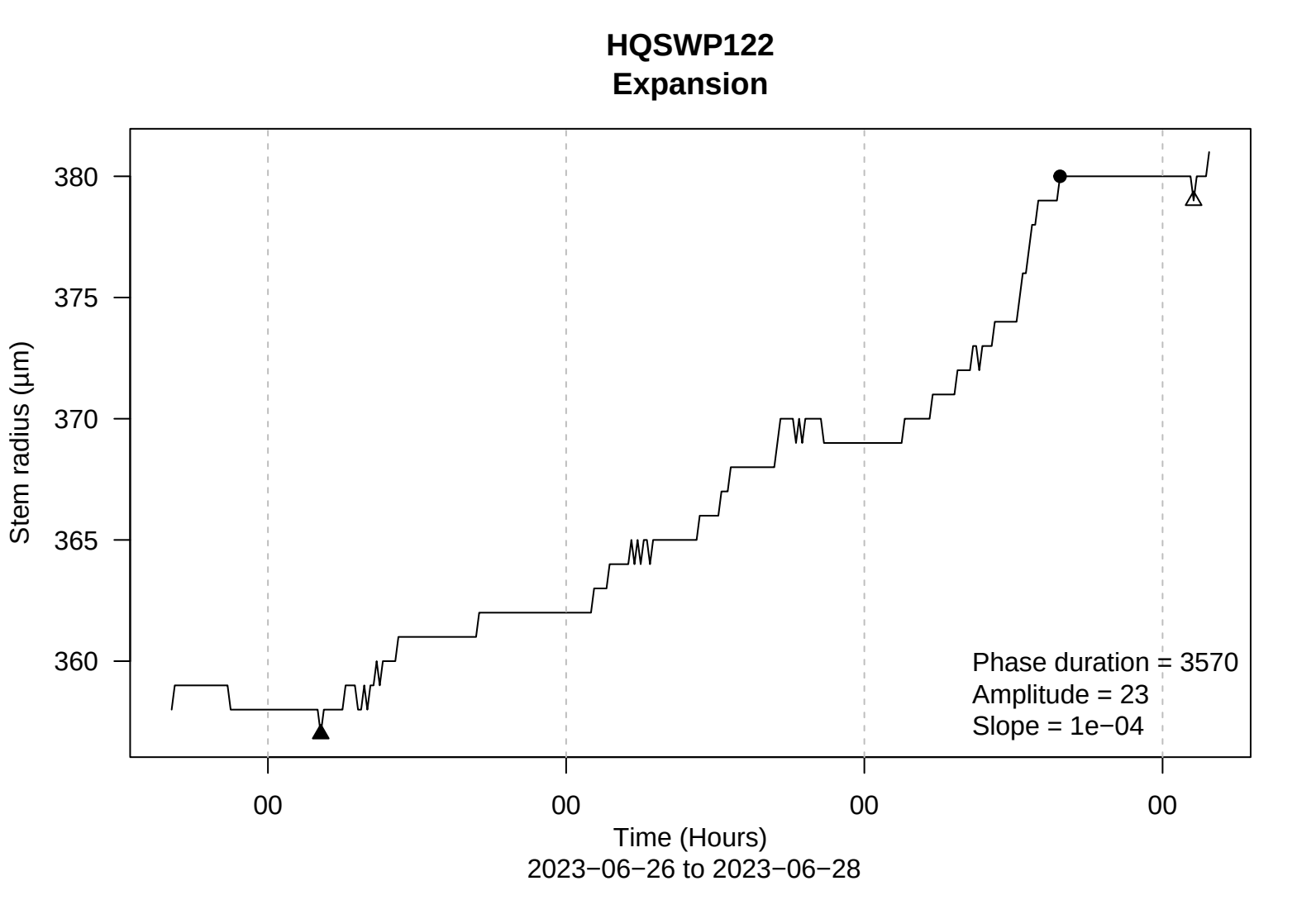

HQSWP122
Expansion
356
354
352
350
348
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−06−21 to 2023−06−22
Phase duration = 1125
Amplitude = 2
Slope = 0

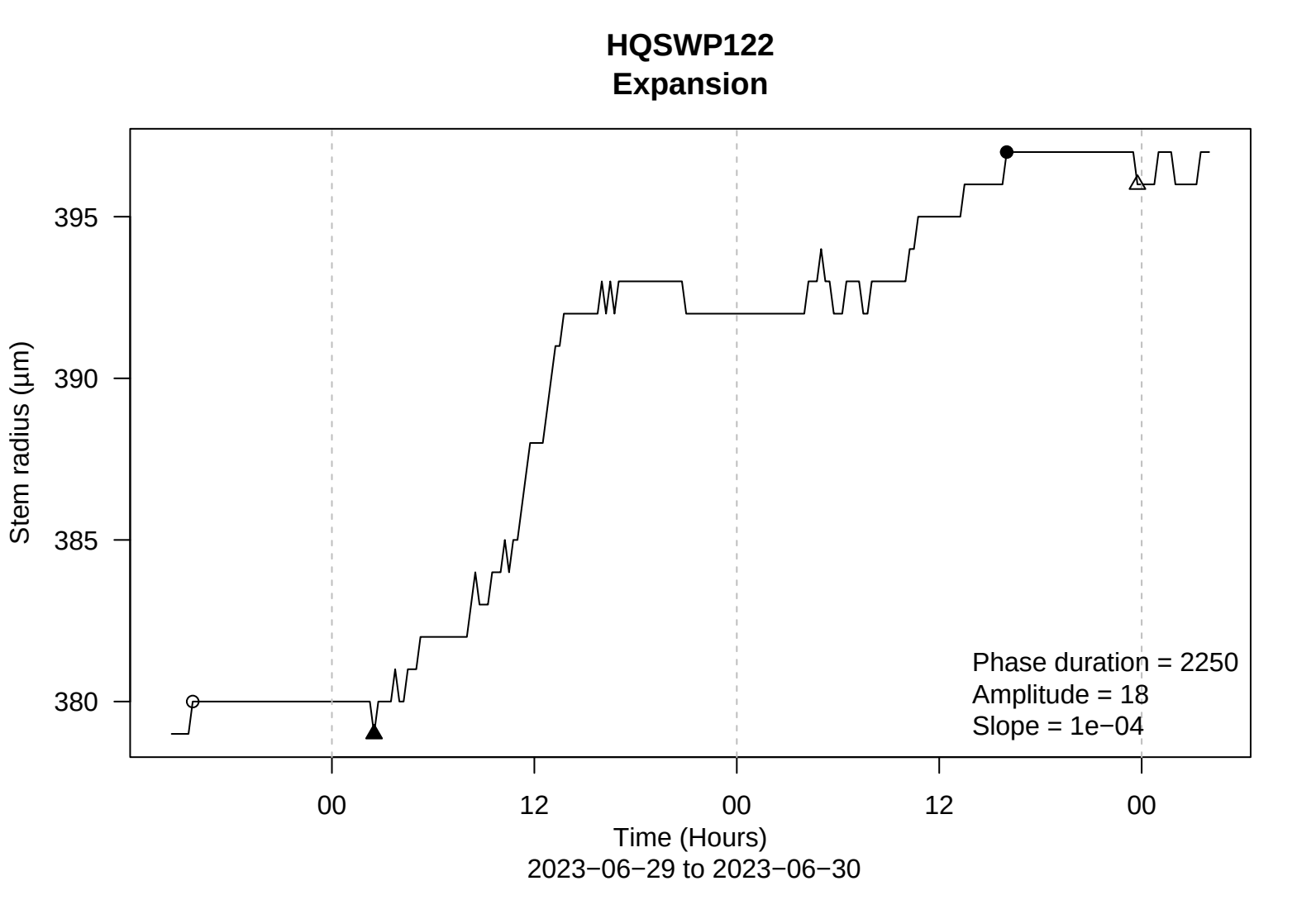

HQSWP122
Shrinkage
353
352
351
350
349
348
347
Stem radius (µm)
Phase duration = 465
Amplitude = −6
Slope = −2e−04
12
00
12
Time (Hours)
2023−06−22 to 2023−06−23

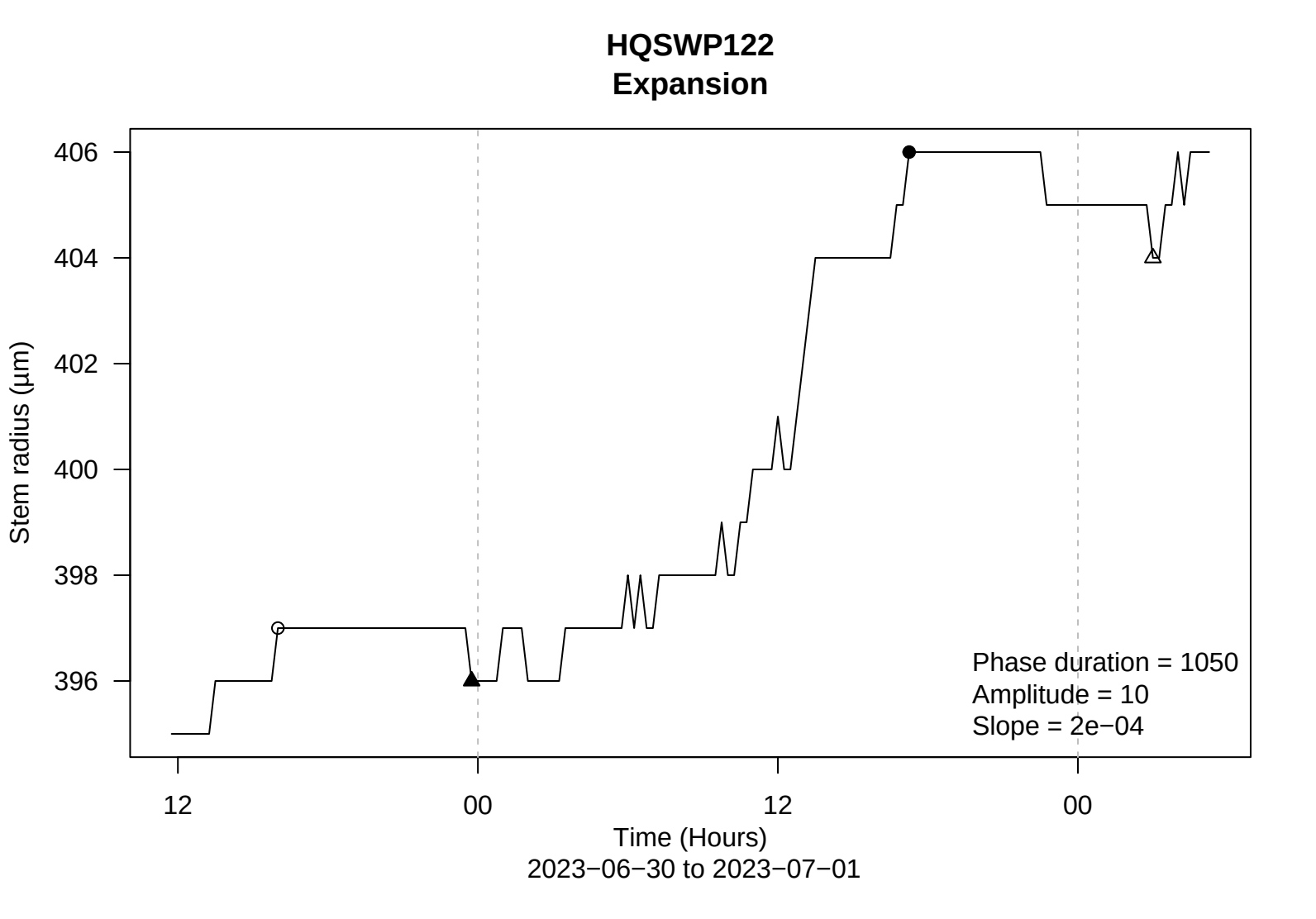

HQSWP122
Expansion
356
354
352
350
348
Stem radius (µm)
Phase duration = 2325
Amplitude = 9
Slope = 1e−04
00
00
00
Time (Hours)
2023−06−23 to 2023−06−24

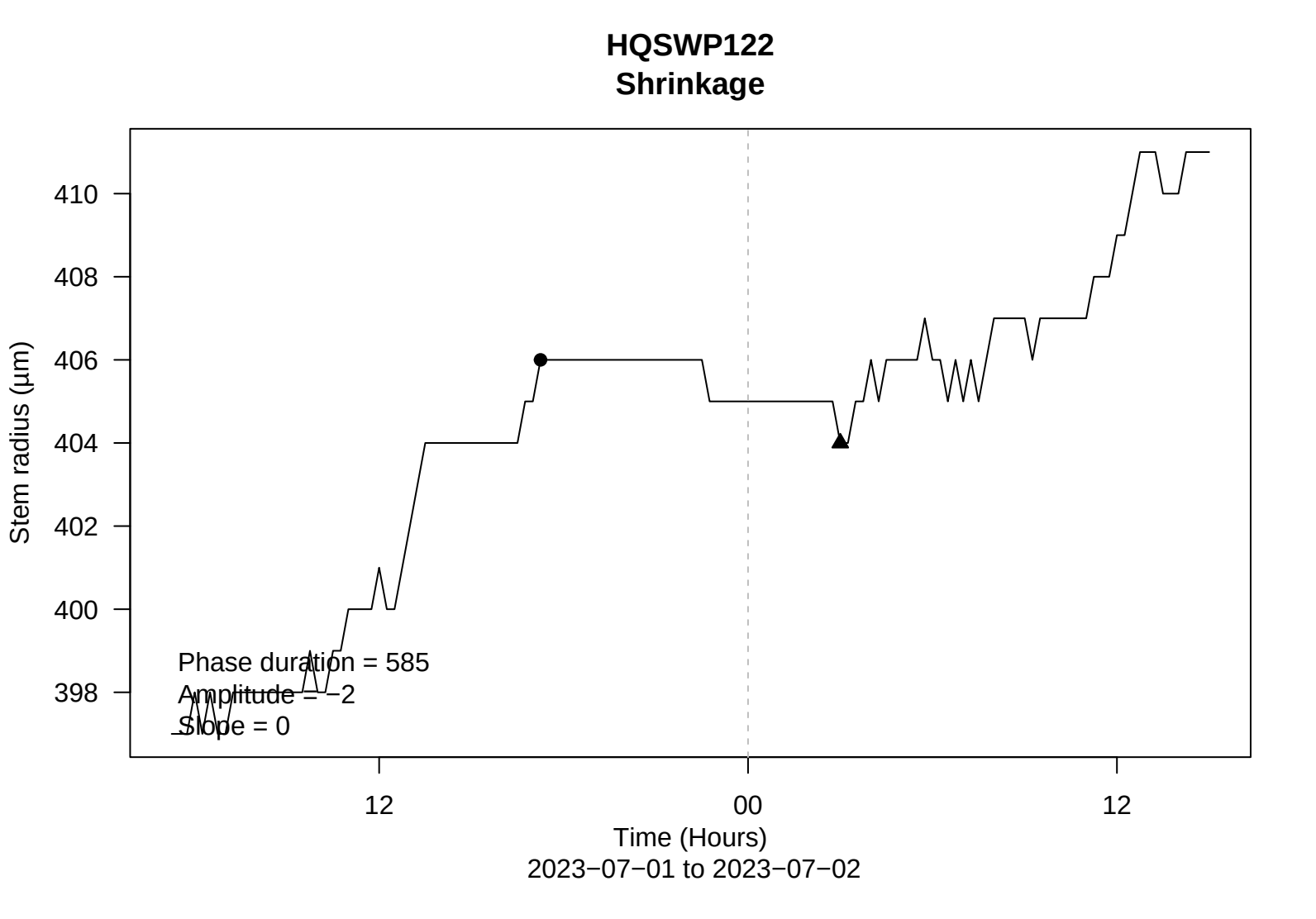

HQSWP122
Expansion
359
358
357
356
355
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−06−25 to 2023−06−25
Phase duration = 690
Amplitude = 4
Slope = 1e−04

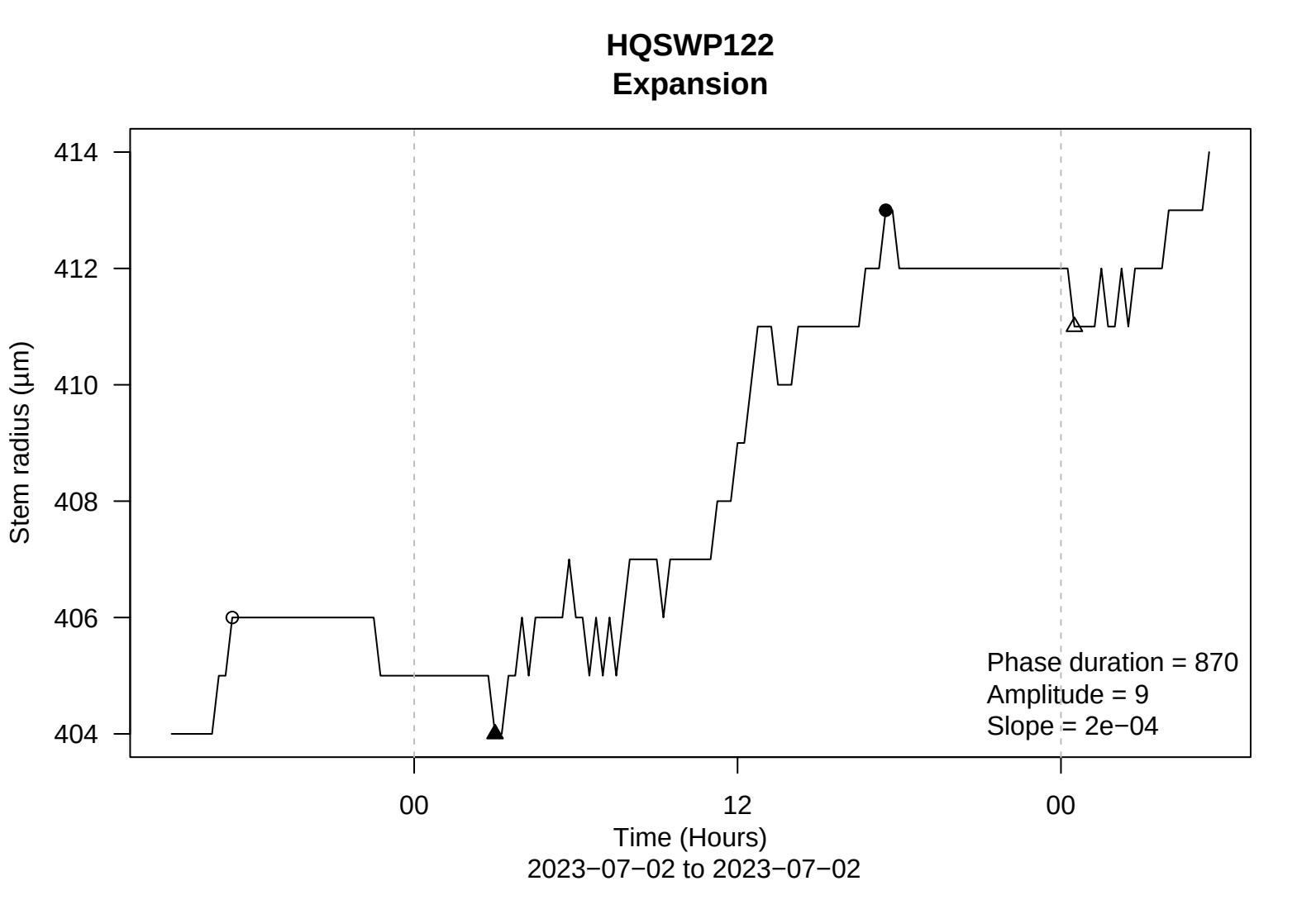

HQSWP122
Shrinkage
Stem radius (µm)
361
360
359
358
357
356
355
Phase duration = 930
Amplitude = −2
Slope = 0
00
12
00
12
Time (Hours)
2023−06−25 to 2023−06−26

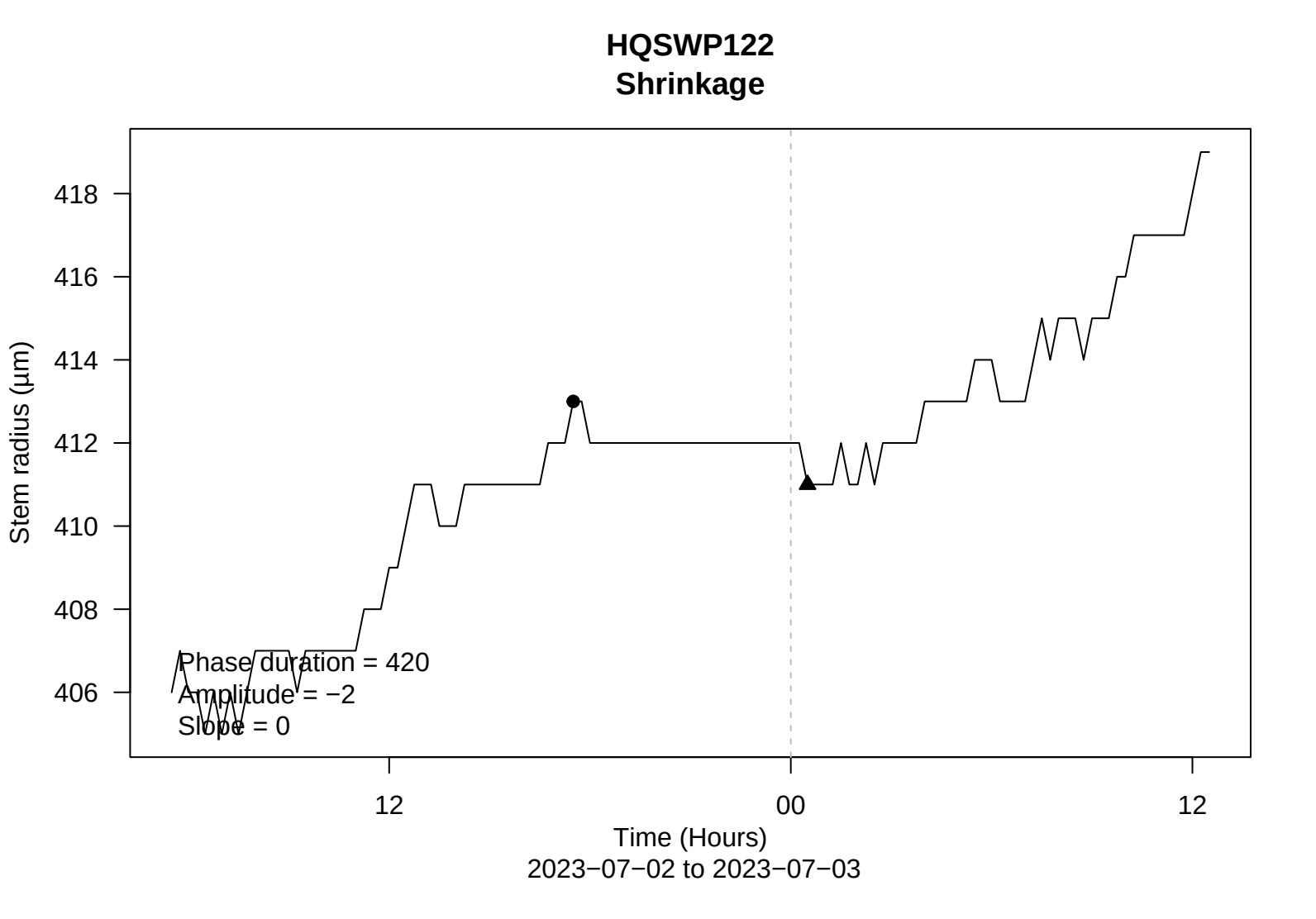

HQSWP122
Expansion
380
375
370
365
360
Stem radius (µm)
Phase duration = 3570
Amplitude = 23
Slope = 1e−04
00
00
00
00
Time (Hours)
2023−06−26 to 2023−06−28

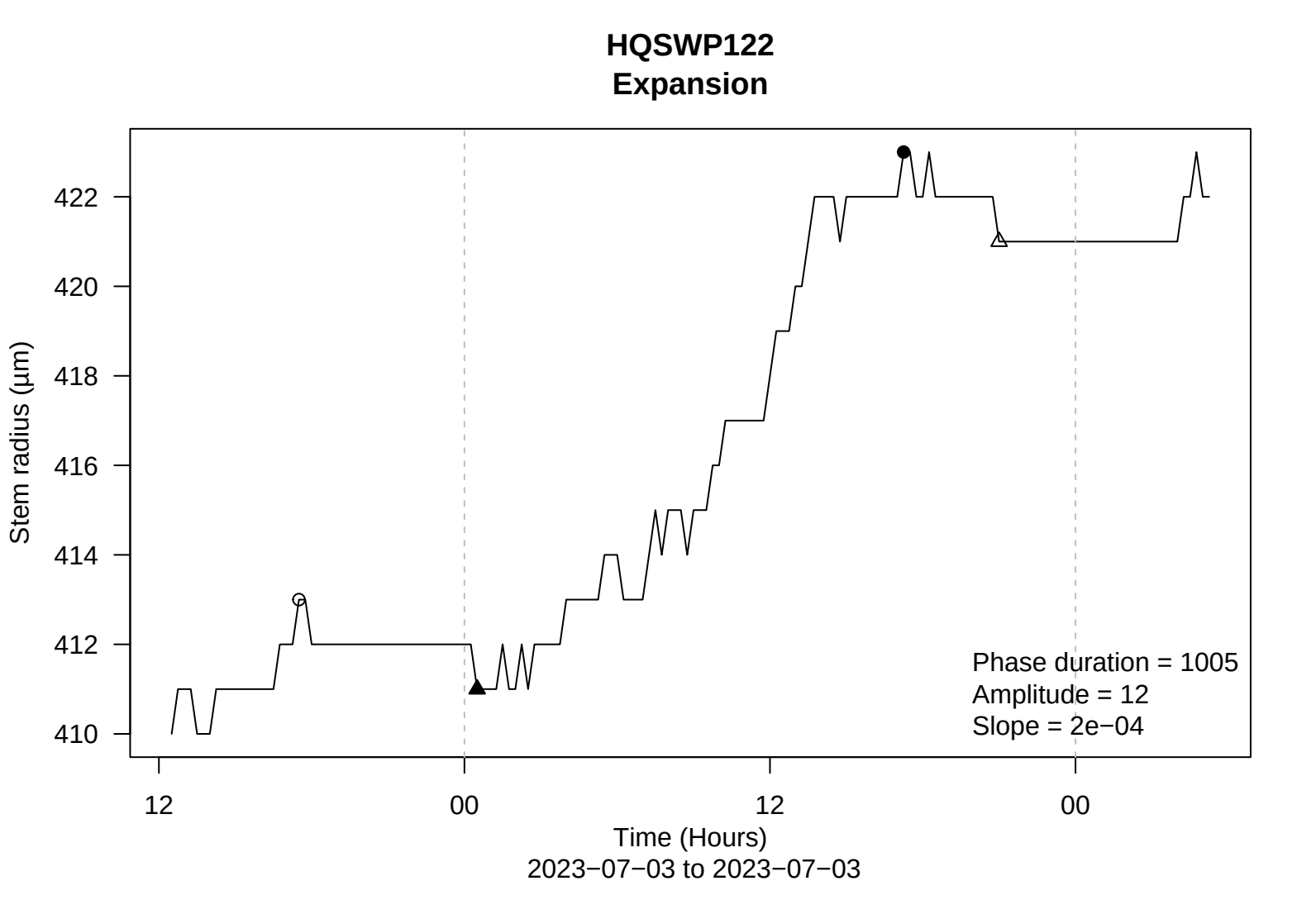

HQSWP122
Expansion
Stem radius (µm)
395
390
385
380
00
12
00
12
00
Time (Hours)
2023−06−29 to 2023−06−30
Phase duration = 2250
Amplitude = 18
Slope = 1e−04

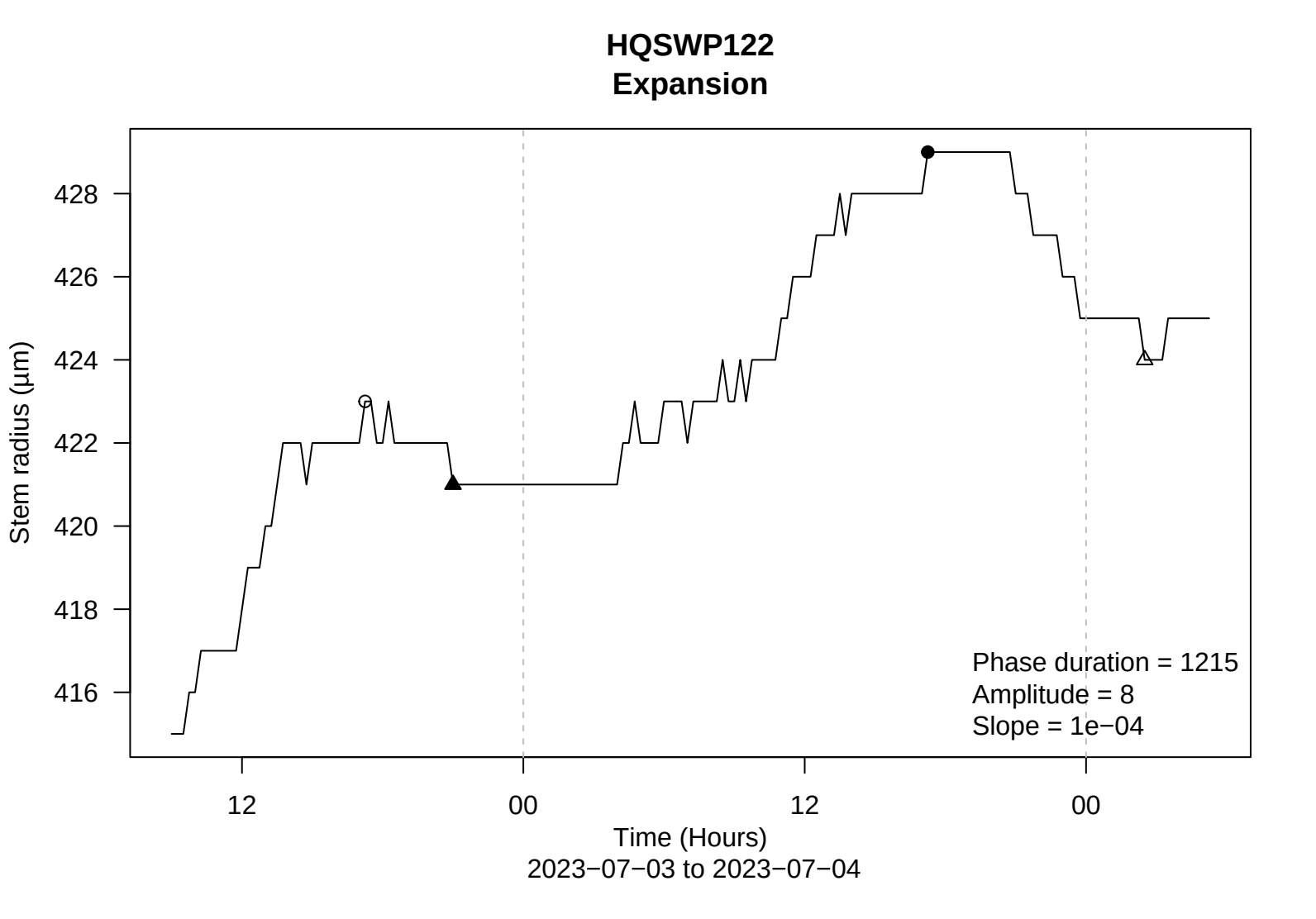

HQSWP122
Expansion
406
404
402
400
398
396
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−06−30 to 2023−07−01
Phase duration = 1050
Amplitude = 10
Slope = 2e−04

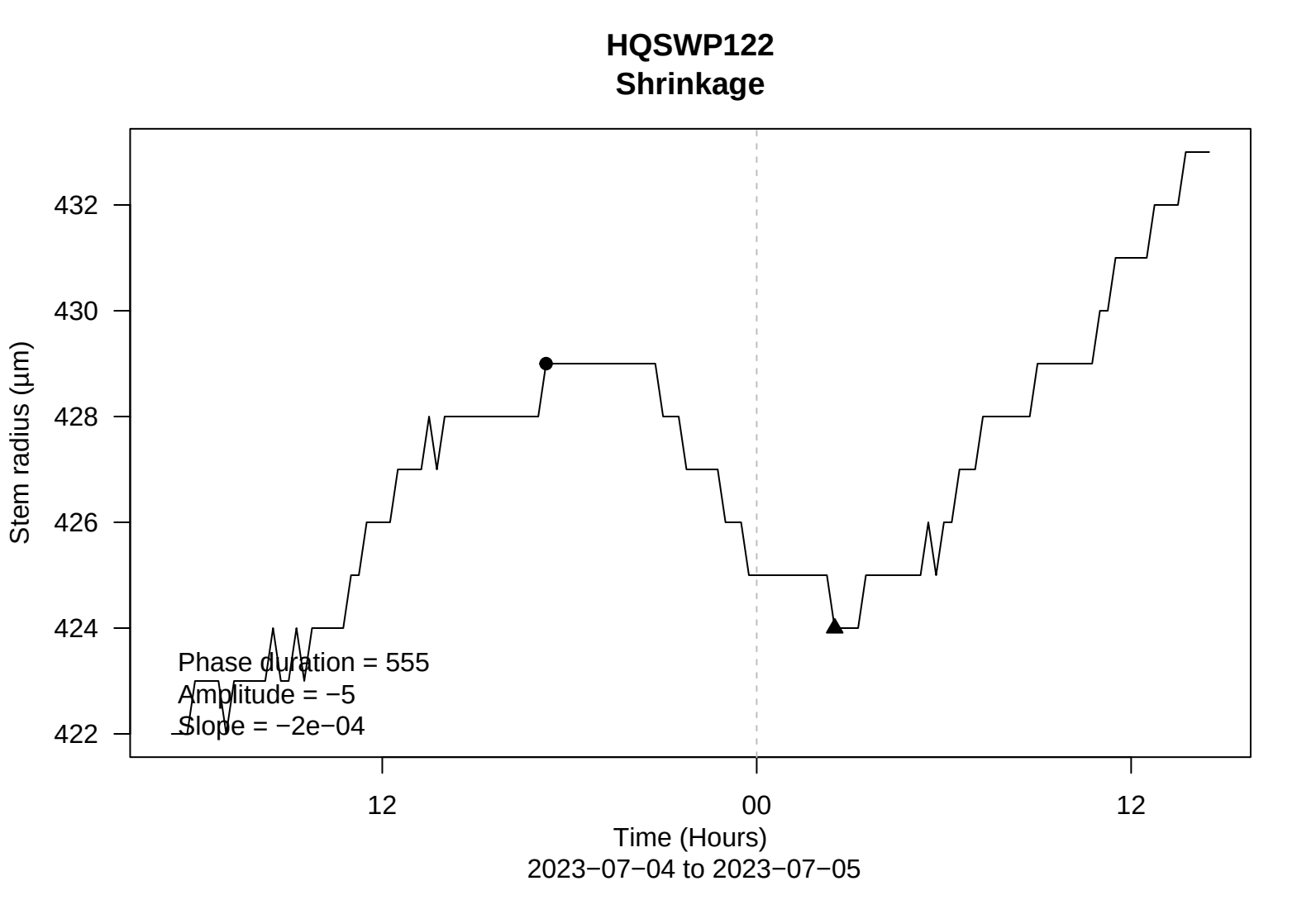

HQSWP122
Shrinkage
Stem radius (µm)
410
408
406
404
402
400
398
Phase duration = 585
Amplitude = −2
Slope = 0
12
00
12
Time (Hours)
2023−07−01 to 2023−07−02

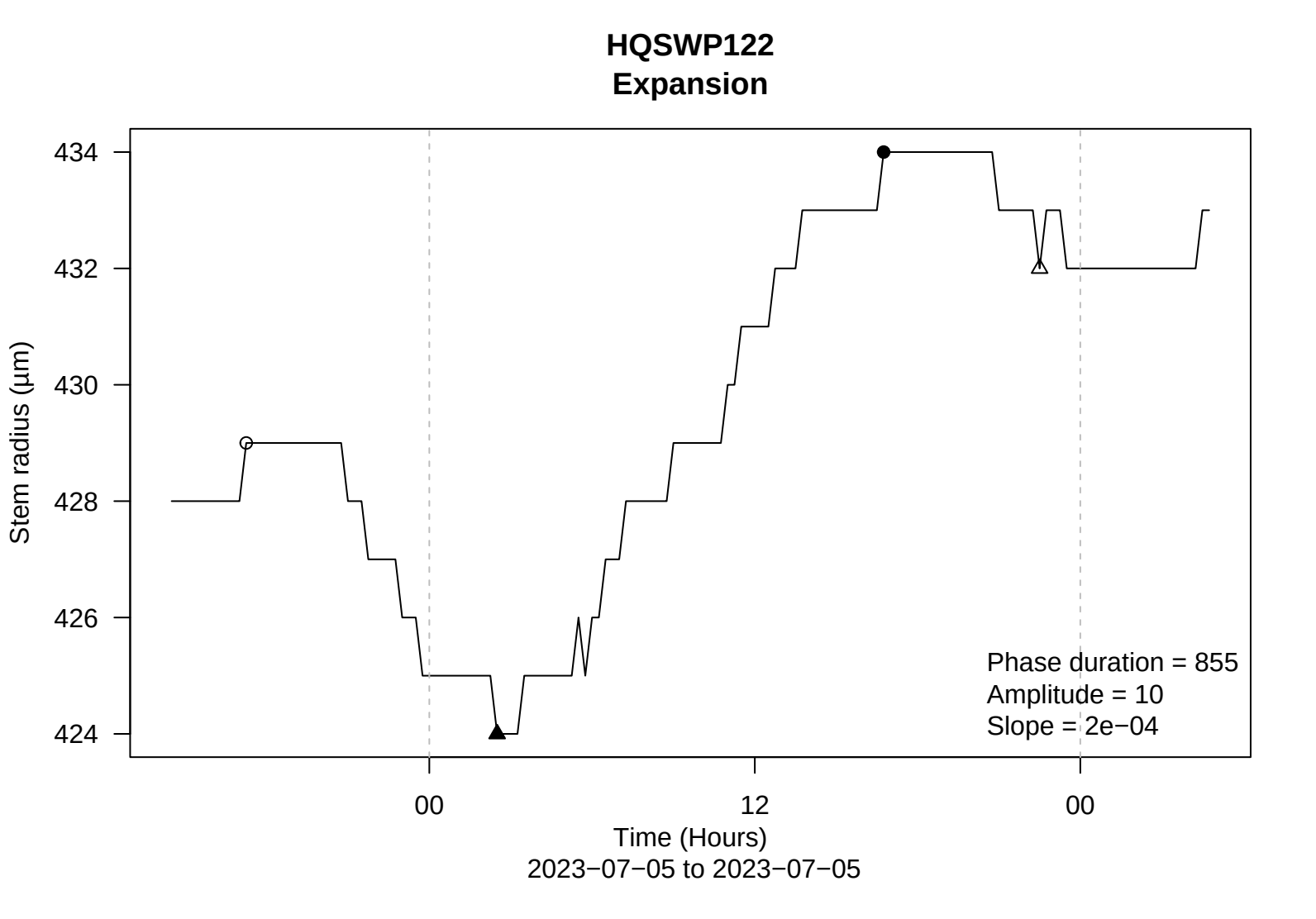

HQSWP122
Expansion
414
412
410
408
406
404
Stem radius (µm)
00
12
00
Time (Hours)
2023−07−02 to 2023−07−02
Phase duration = 870
Amplitude = 9
Slope = 2e−04

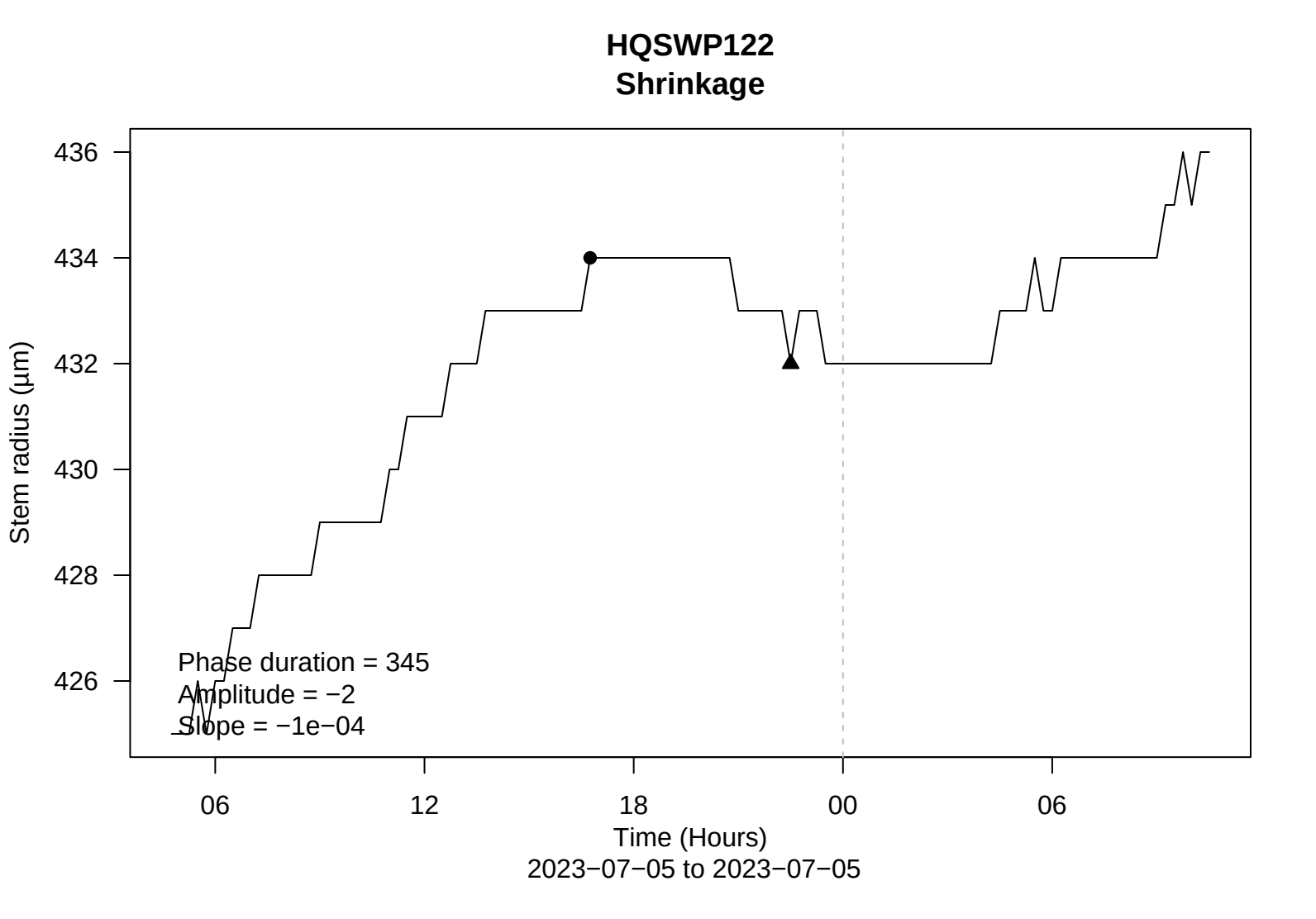

HQSWP122
Shrinkage
Stem radius (µm)
418
416
414
412
410
408
406
Phase duration = 420
Amplitude = −2
Slope = 0
12
00
12
Time (Hours)
2023−07−02 to 2023−07−03

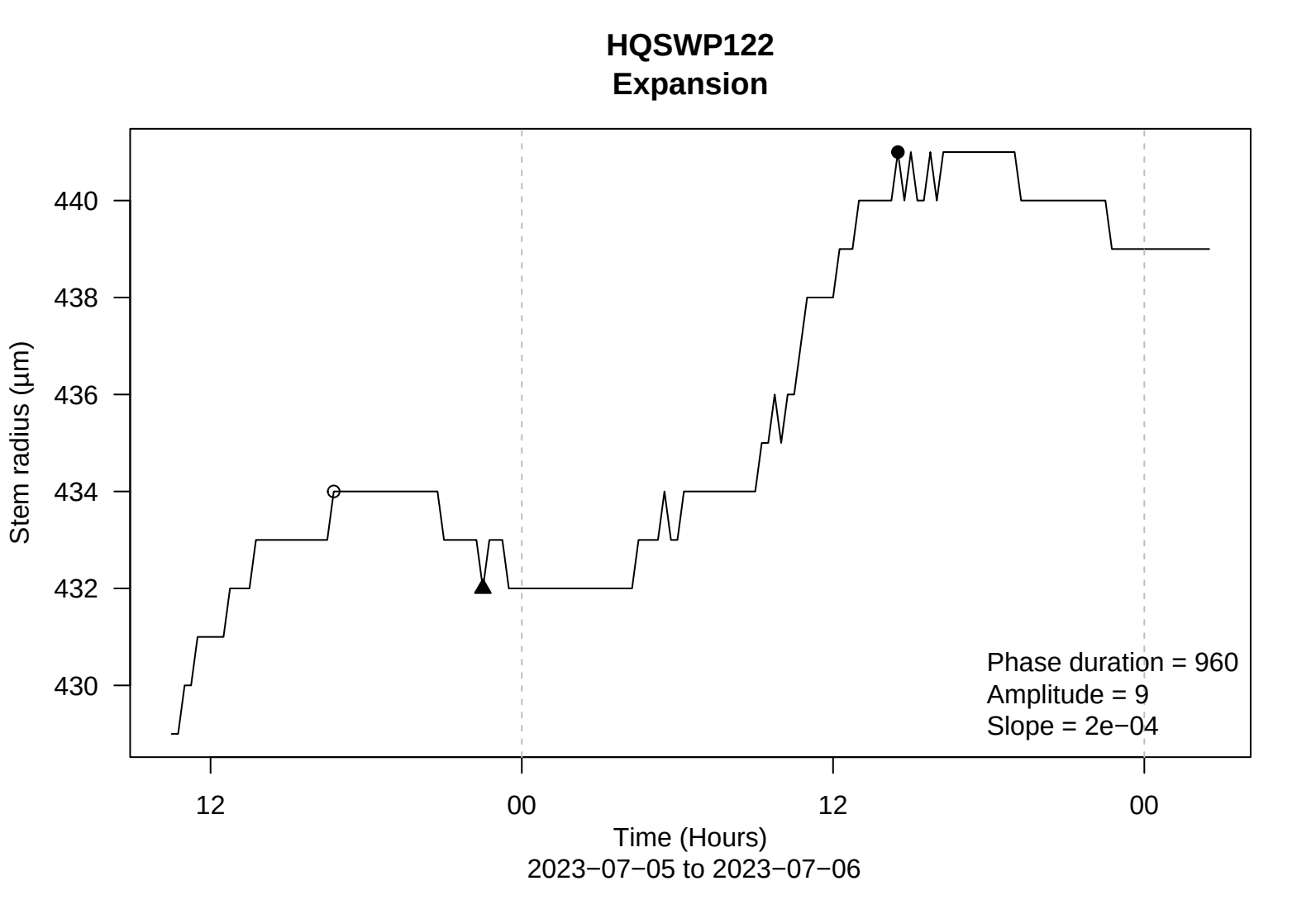

HQSWP122
Expansion
Stem radius (µm)
422
420
418
416
414
412
410
12
00
12
00
Time (Hours)
2023−07−03 to 2023−07−03
Phase duration = 1005
Amplitude = 12
Slope = 2e−04

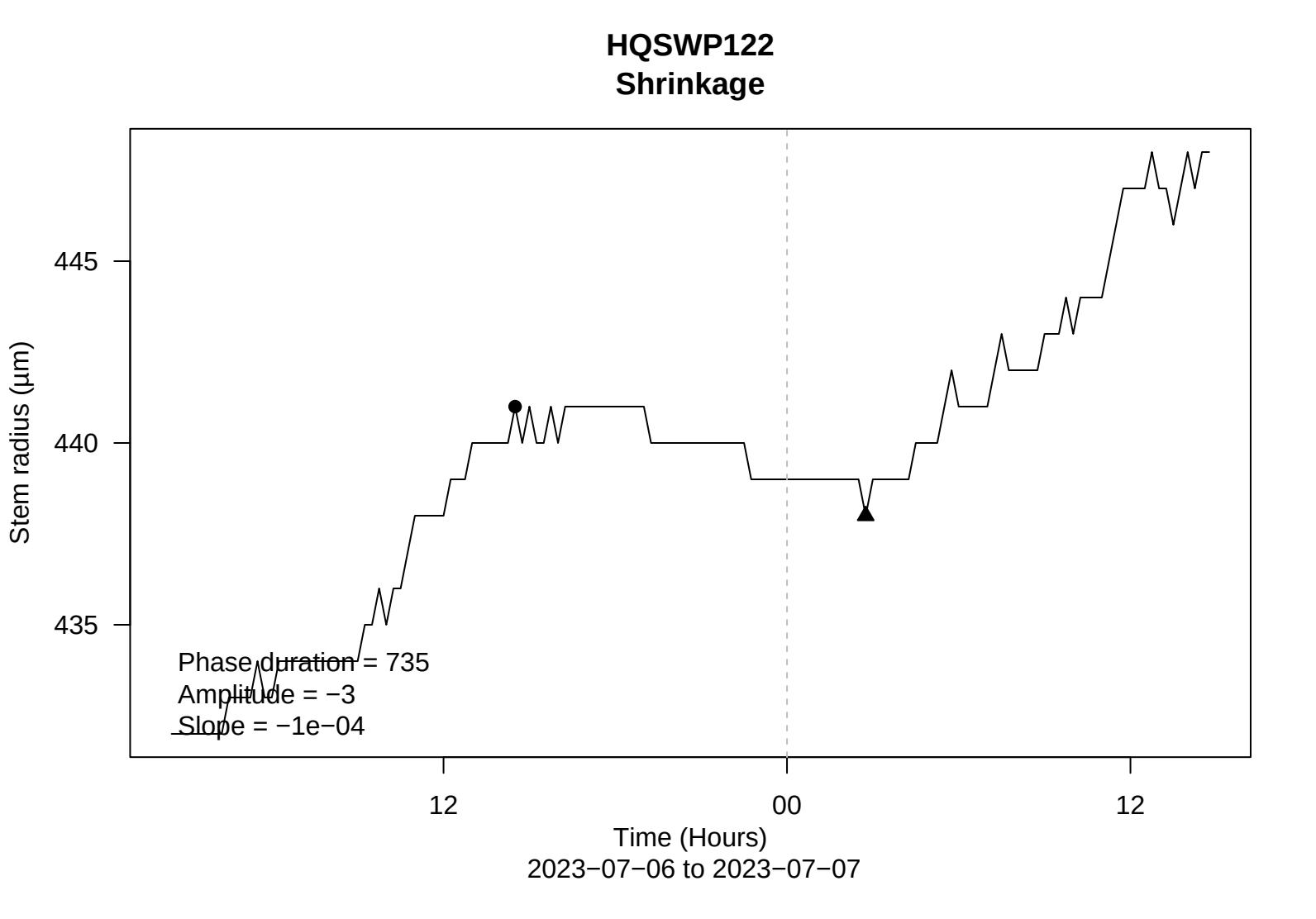

HQSWP122
Expansion
Stem radius (µm)
428
426
424
422
420
418
416
12
00
12
00
Time (Hours)
2023−07−03 to 2023−07−04
Phase duration = 1215
Amplitude = 8
Slope = 1e−04

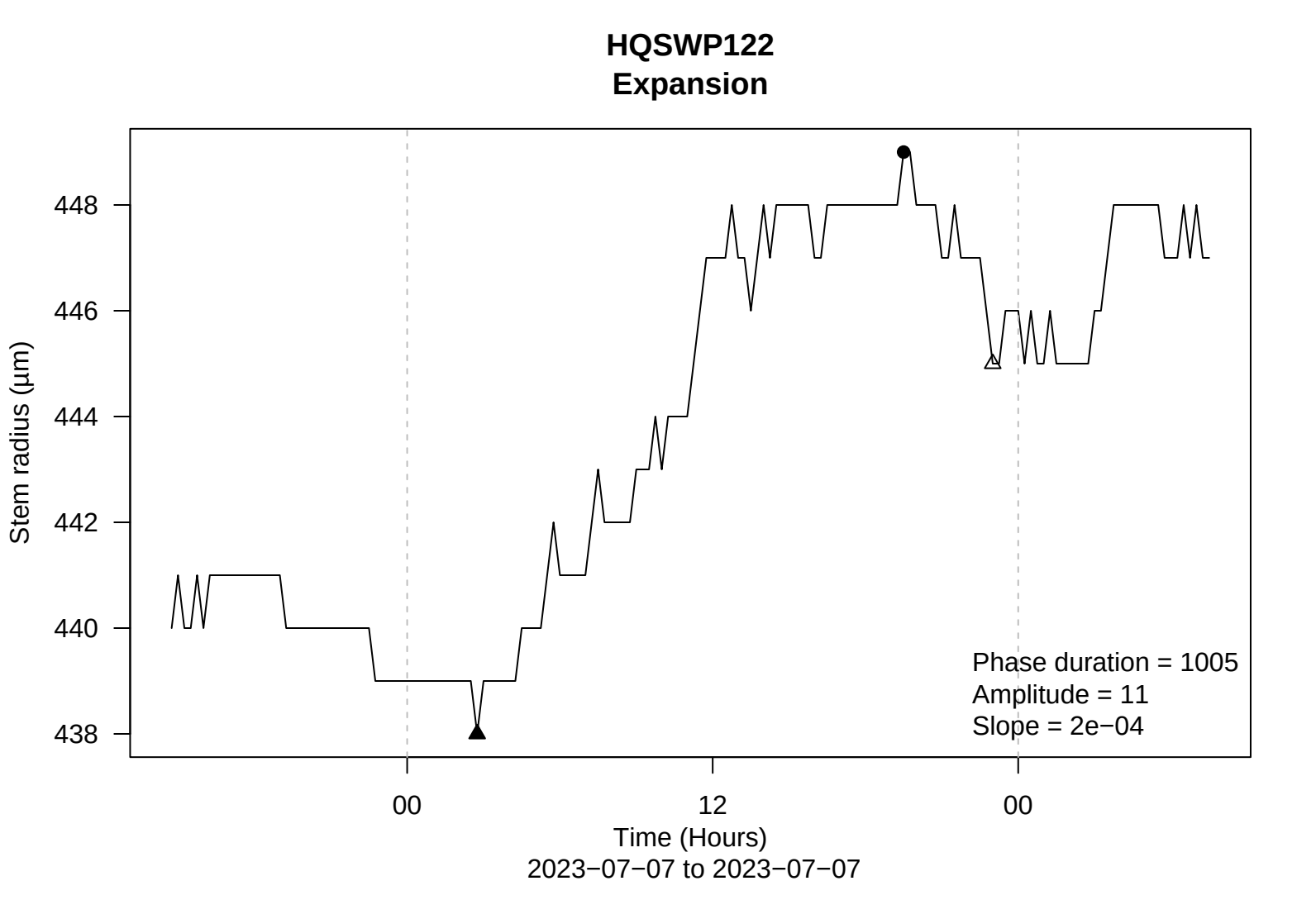

HQSWP122
Shrinkage
Stem radius (µm)
432
430
428
426
424
422
Phase duration = 555
Amplitude = −5
Slope = −2e−04
12
00
12
Time (Hours)
2023−07−04 to 2023−07−05

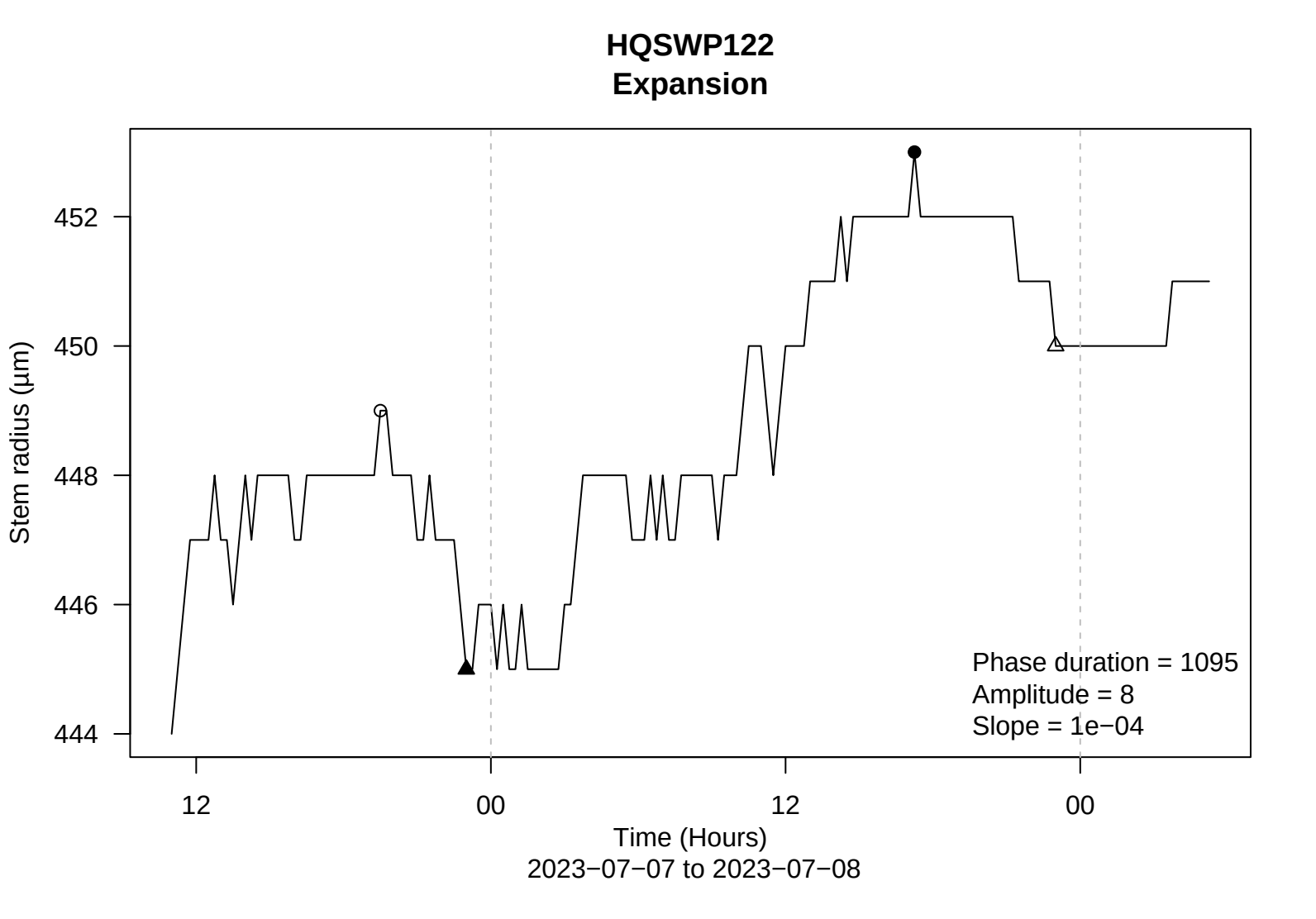

HQSWP122
Expansion
434
432
430
428
426
424
Stem radius (µm)
00
12
00
Time (Hours)
2023−07−05 to 2023−07−05
Phase duration = 855
Amplitude = 10
Slope = 2e−04

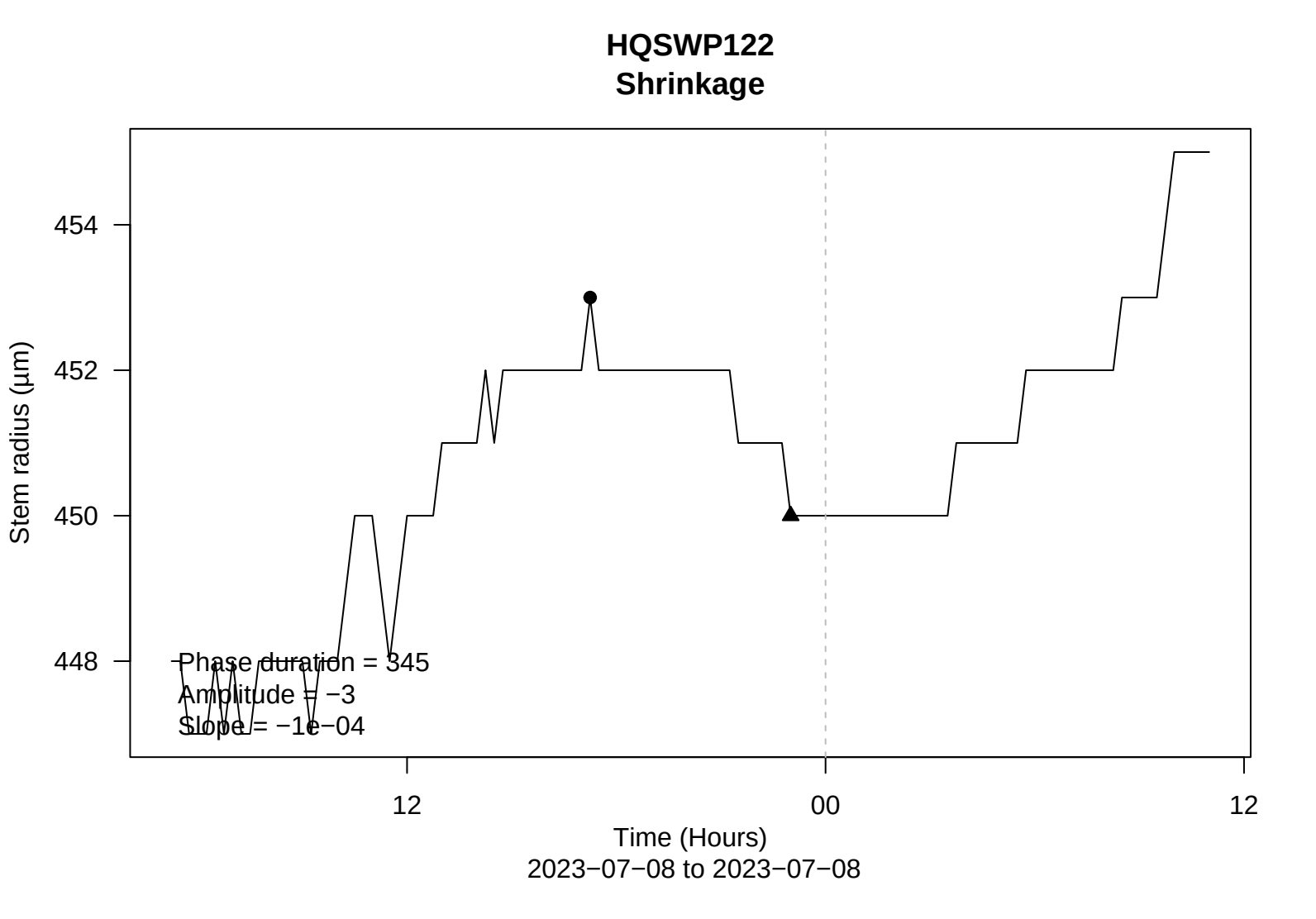

HQSWP122
Shrinkage
436
434
432
430
428
426
Stem radius (µm)
Phase duration = 345
Amplitude = −2
Slope = −1e−04
06
12
18
00
06
Time (Hours)
2023−07−05 to 2023−07−05

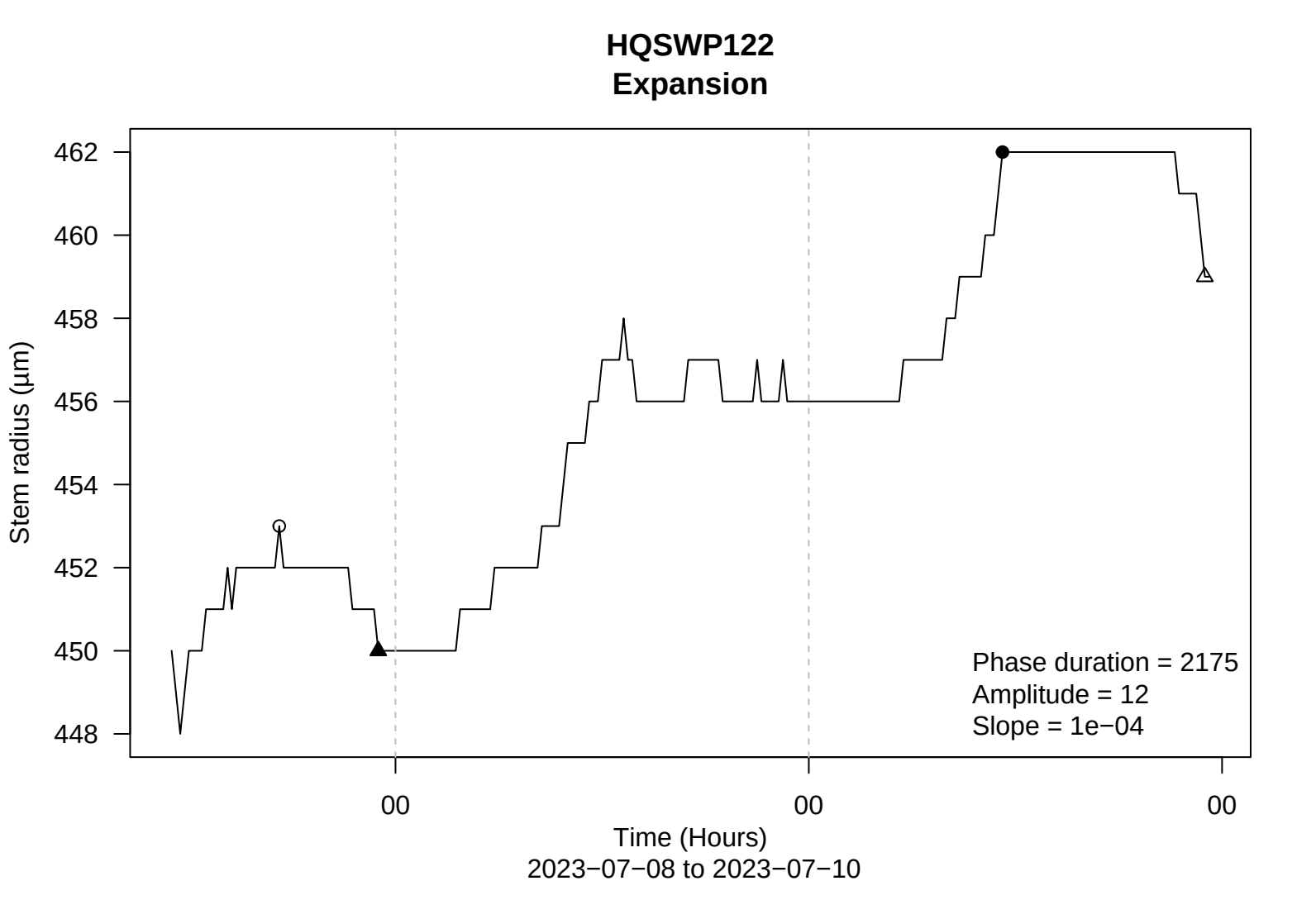

HQSWP122
Expansion
Stem radius (µm)
440
438
436
434
432
430
12
00
12
00
Time (Hours)
2023−07−05 to 2023−07−06
Phase duration = 960
Amplitude = 9
Slope = 2e−04

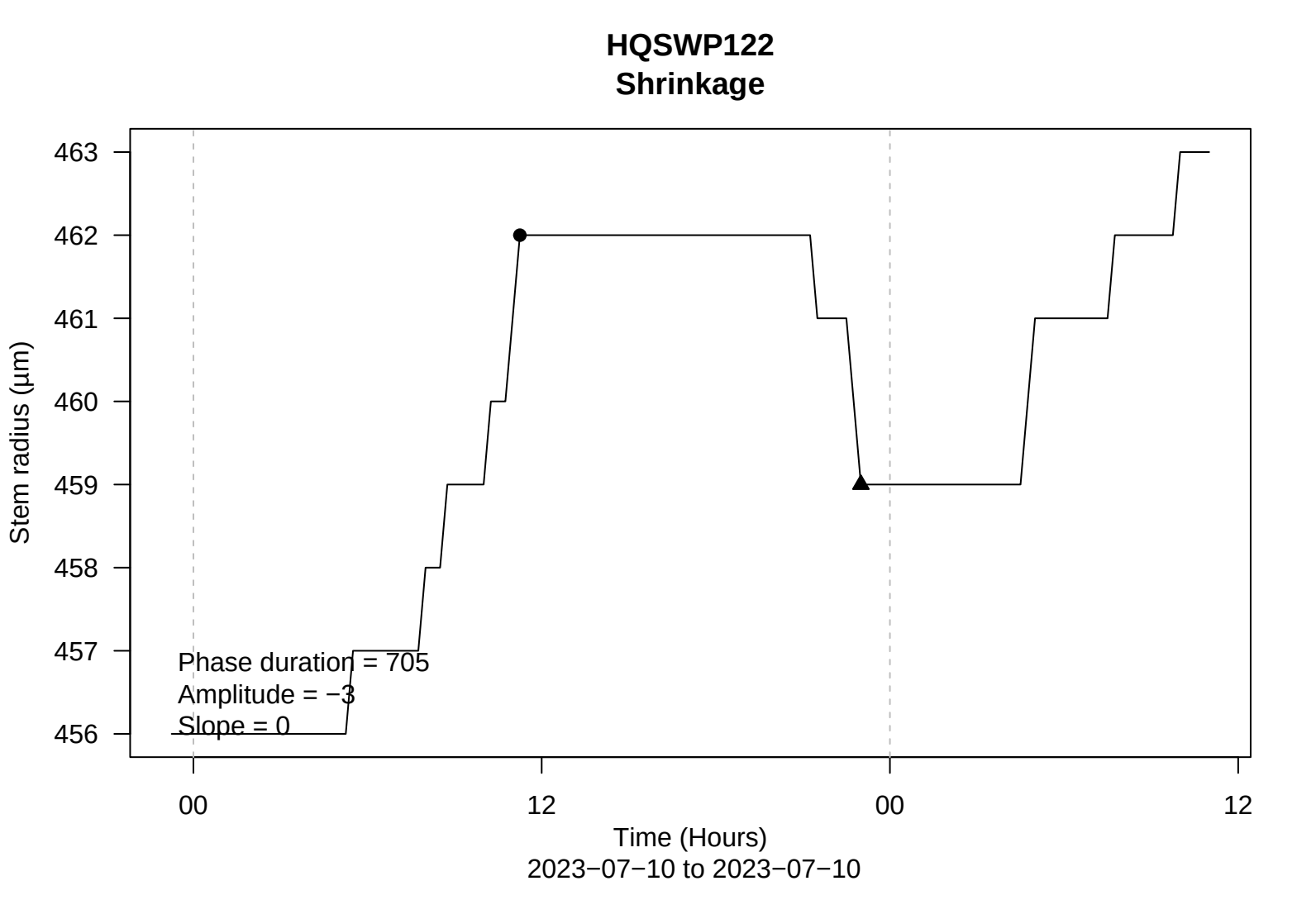

HQSWP122
Shrinkage
445
440
435
Stem radius (µm)
Phase duration = 735
Amplitude = −3
Slope = −1e−04
12
00
12
Time (Hours)
2023−07−06 to 2023−07−07

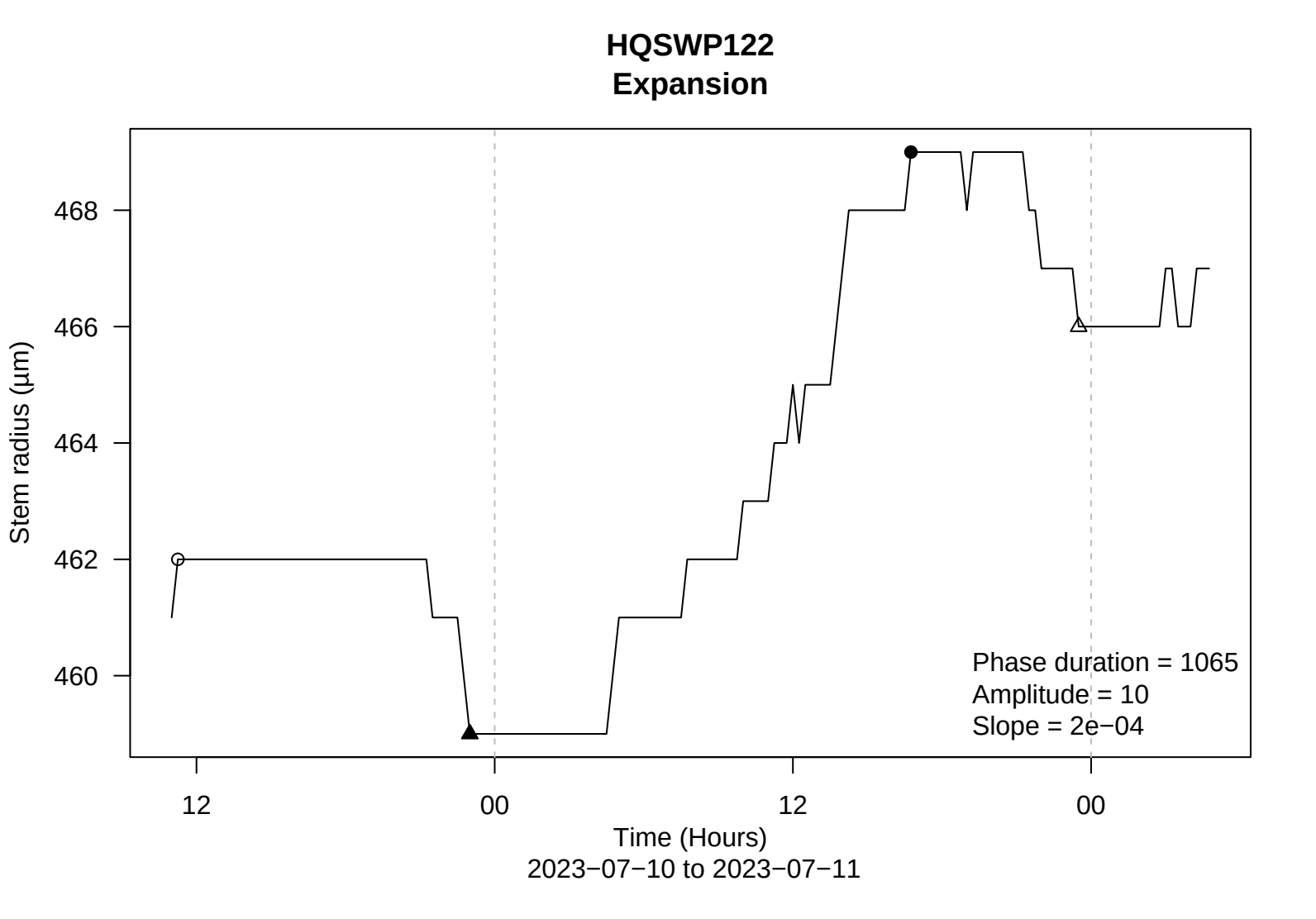

HQSWP122
Expansion
448
446
444
442
440
438
Stem radius (µm)
00
12
00
Time (Hours)
2023−07−07 to 2023−07−07
Phase duration = 1005
Amplitude = 11
Slope = 2e−04

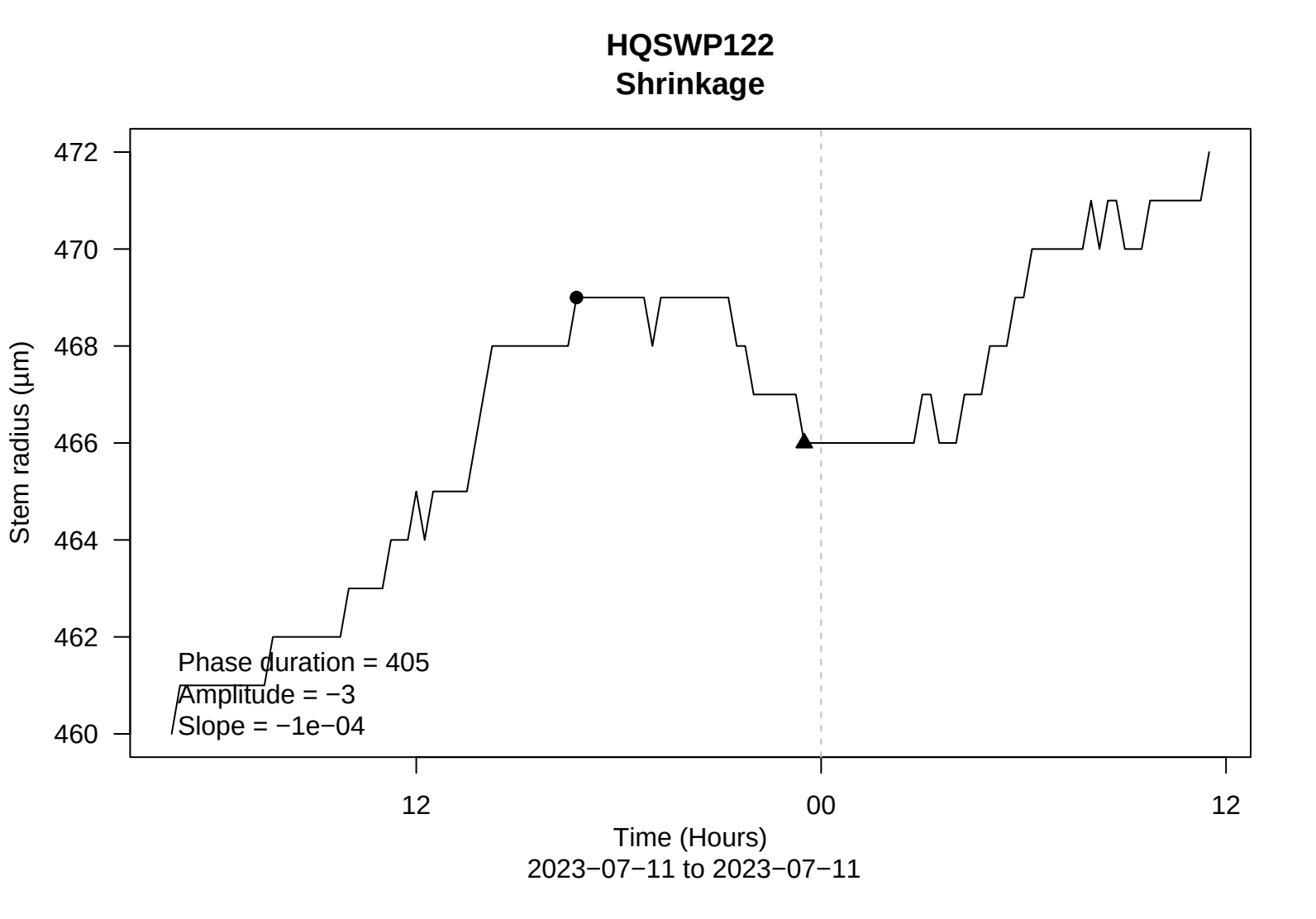

HQSWP122
Expansion
Stem radius (µm)
452
450
448
446
444
12
00
12
00
Time (Hours)
2023−07−07 to 2023−07−08
Phase duration = 1095
Amplitude = 8
Slope = 1e−04

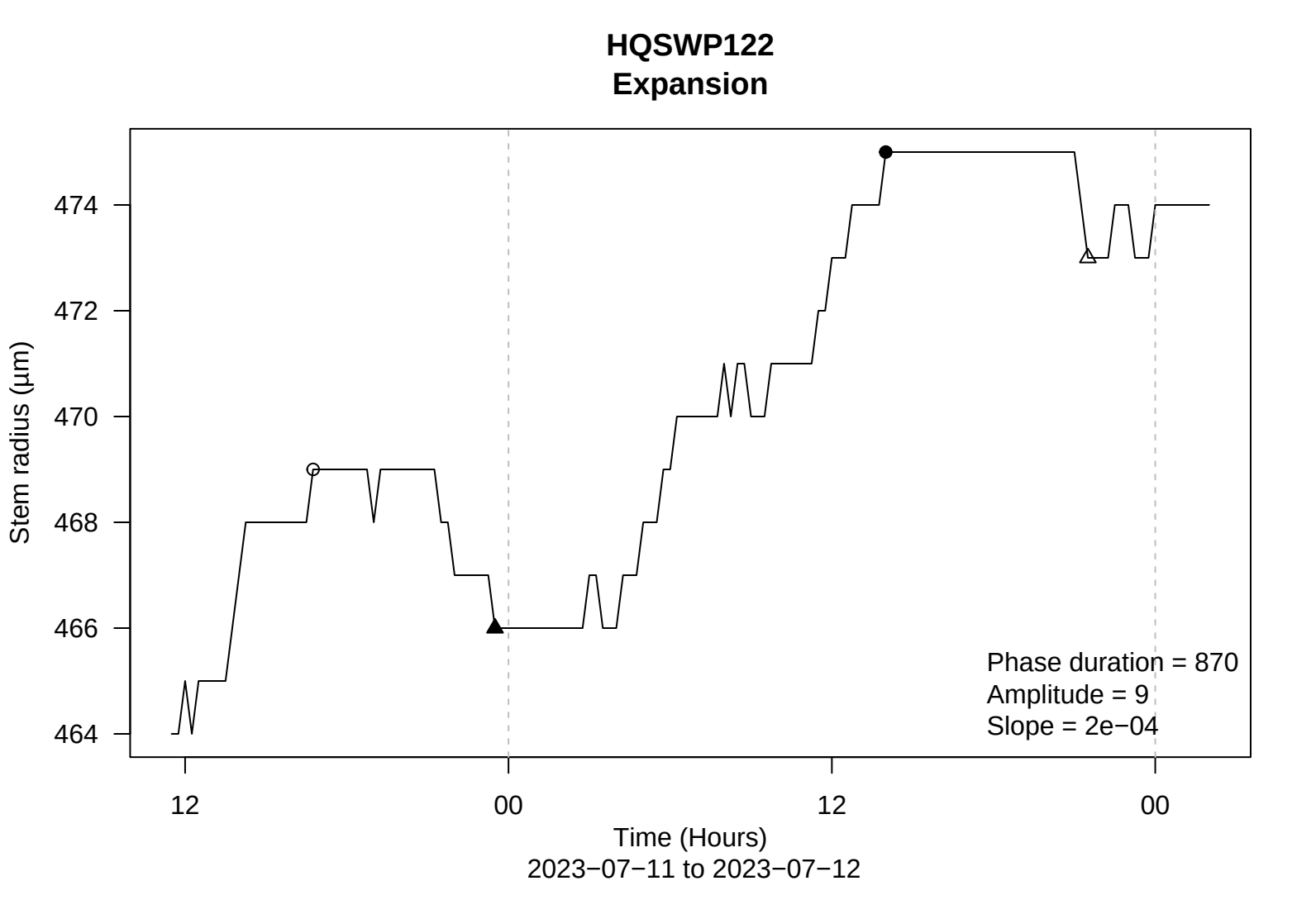

HQSWP122
Shrinkage
454
452
450
448
Stem radius (µm)
Phase duration = 345
Amplitude = −3
Slope = −1e−04
12
00
12
Time (Hours)
2023−07−08 to 2023−07−08

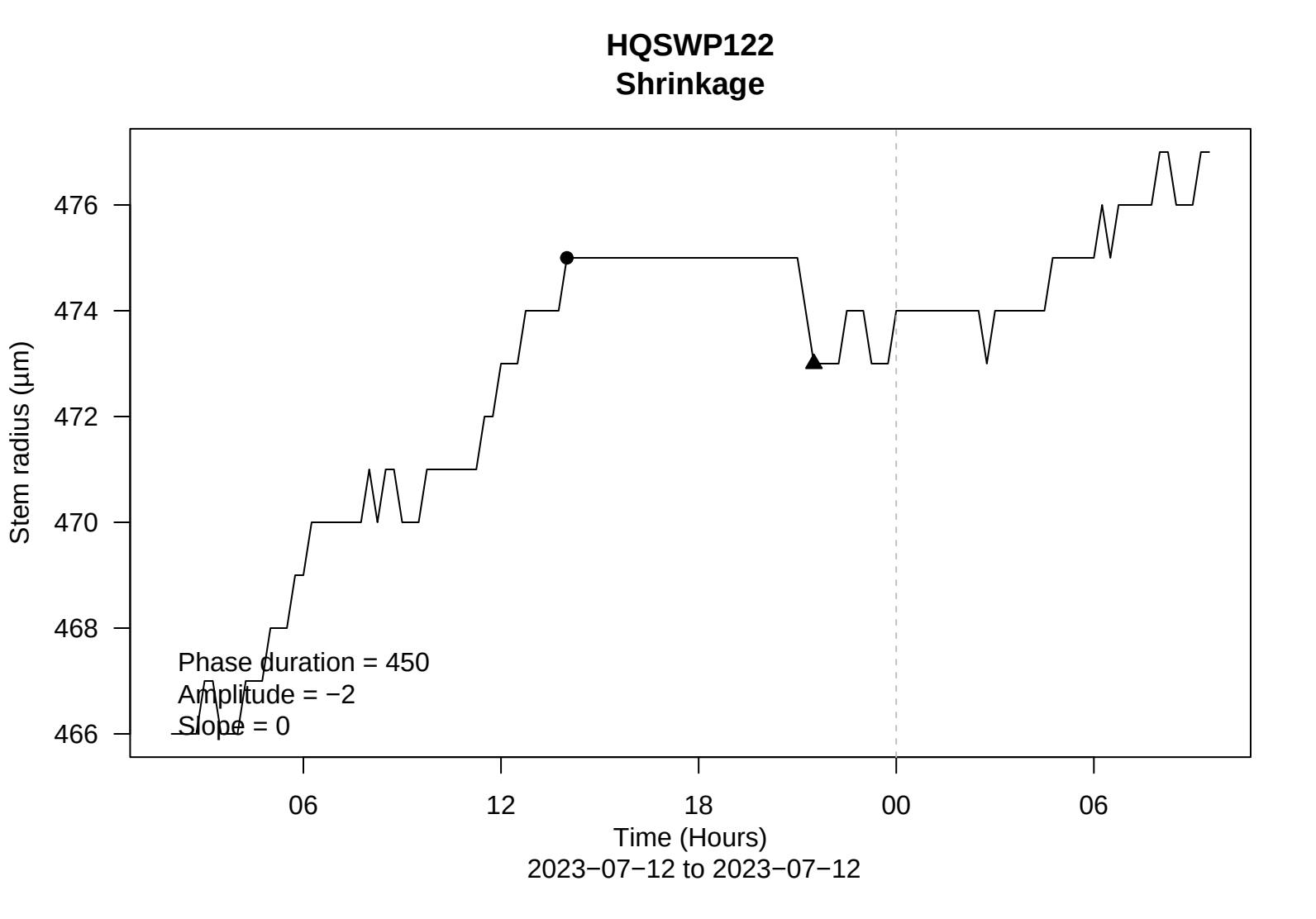

HQSWP122
Expansion
462
460
458
456
454
452
450
448
Stem radius (µm)
00
00
00
Time (Hours)
2023−07−08 to 2023−07−10
Phase duration = 2175
Amplitude = 12
Slope = 1e−04

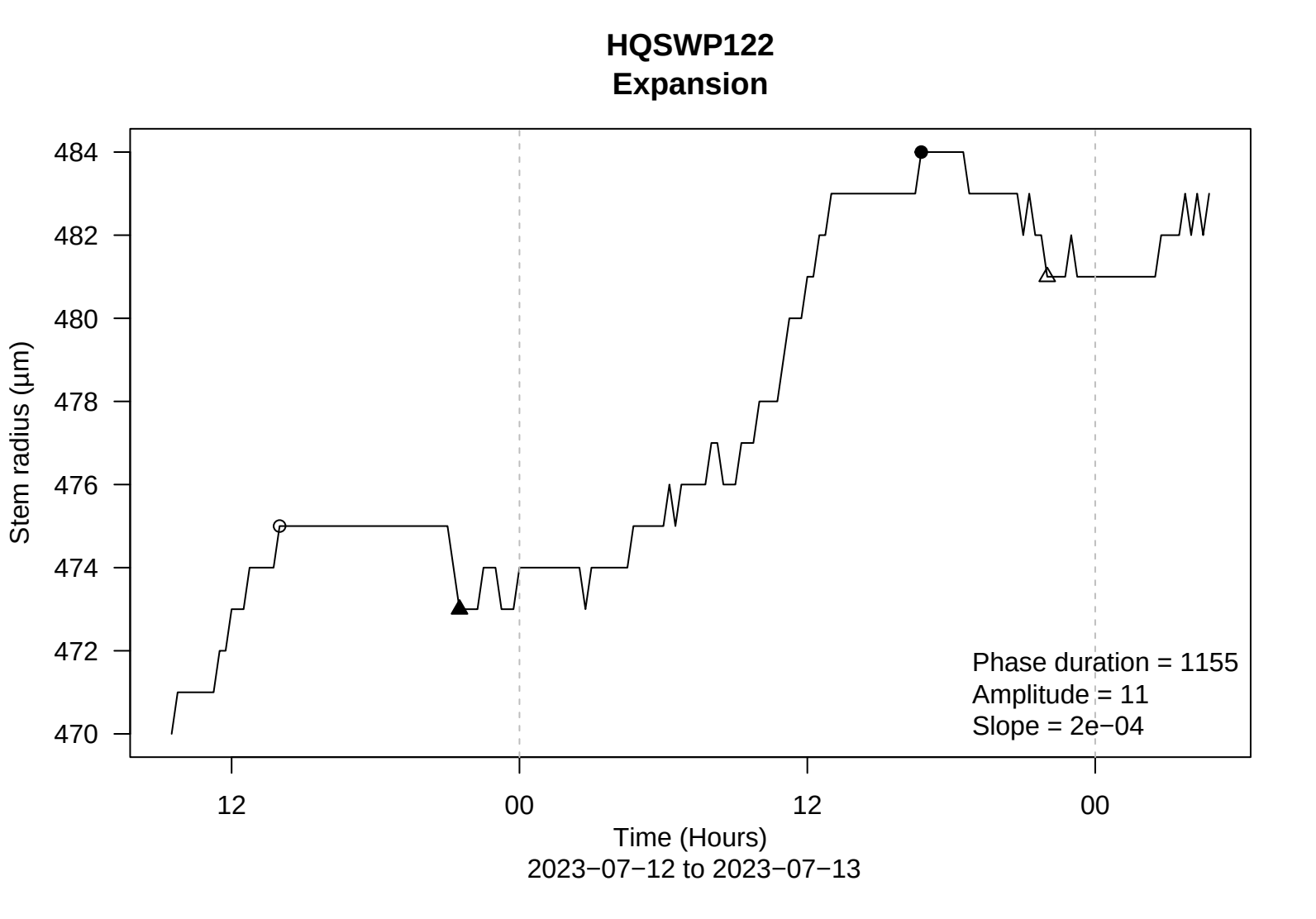

HQSWP122
Shrinkage
463
462
461
460
459
458
457
456
Stem radius (µm)
Phase duration = 705
Amplitude = −3
Slope = 0
00
12
00
12
Time (Hours)
2023−07−10 to 2023−07−10

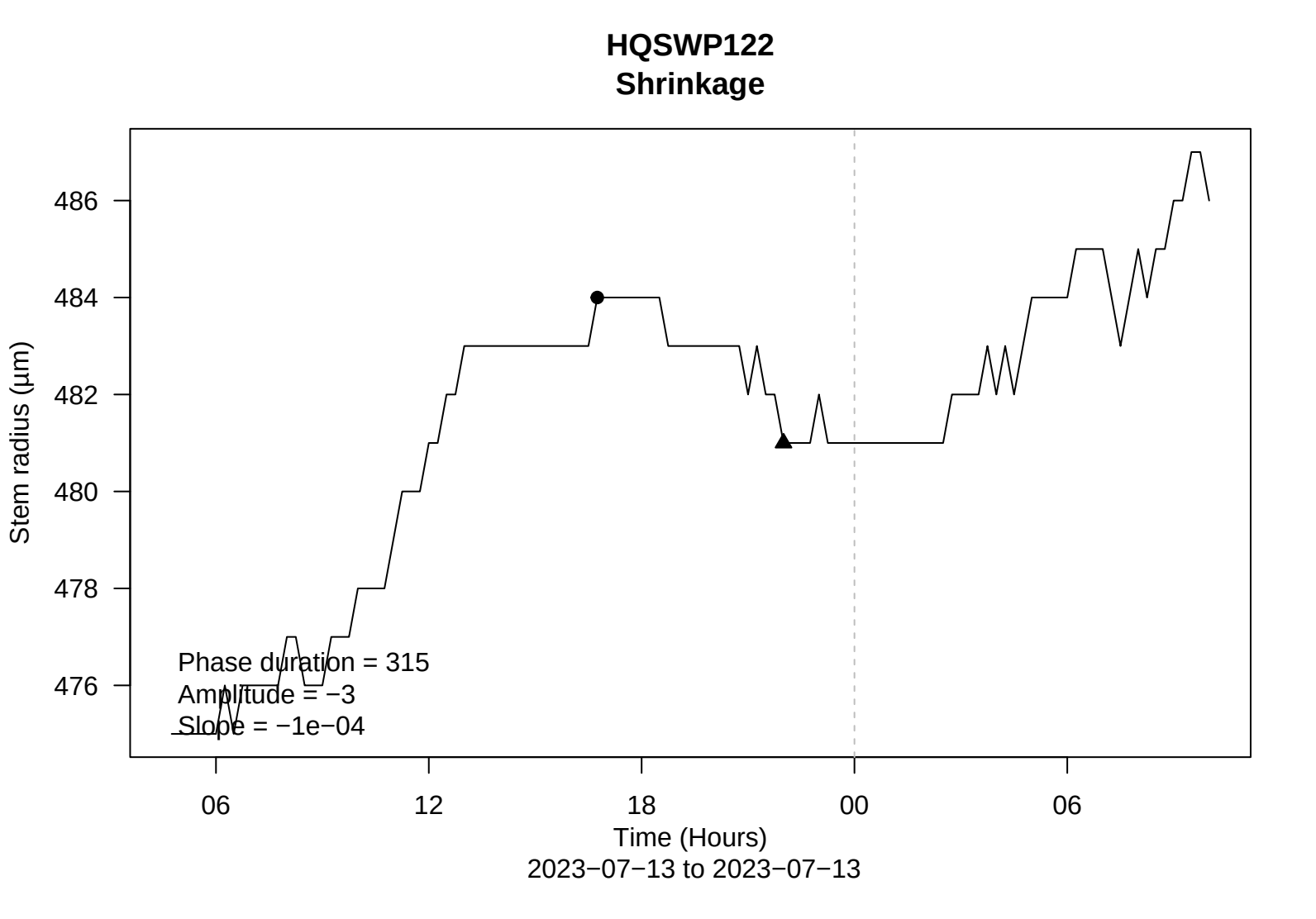

HQSWP122
Expansion
Stem radius (µm)
468
466
464
462
460
12
00
12
00
Time (Hours)
2023−07−10 to 2023−07−11
Phase duration = 1065
Amplitude = 10
Slope = 2e−04

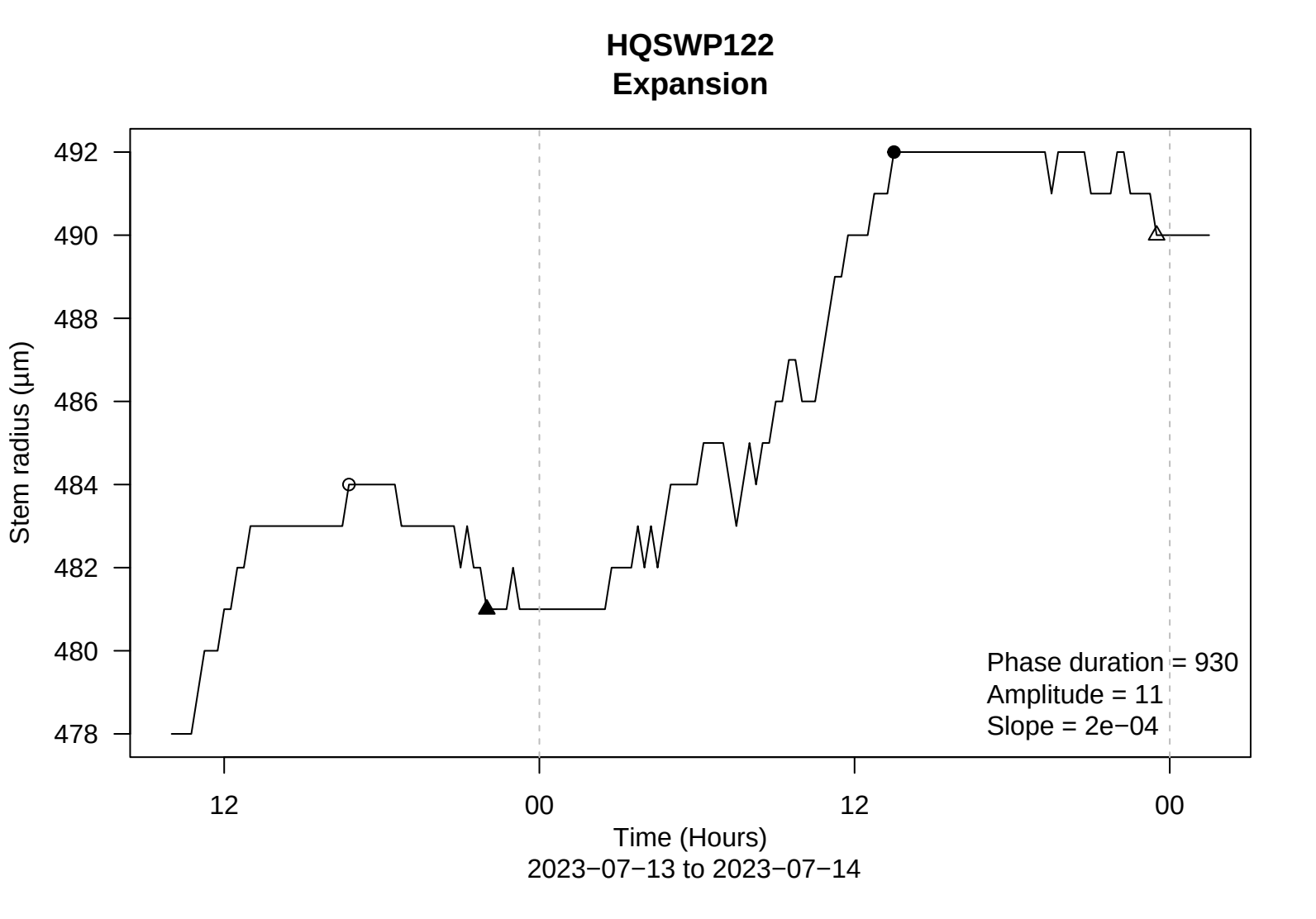

HQSWP122
Shrinkage
Stem radius (µm)
472
470
468
466
464
462
460
Phase duration = 405
Amplitude = −3
Slope = −1e−04
12
00
12
Time (Hours)
2023−07−11 to 2023−07−11

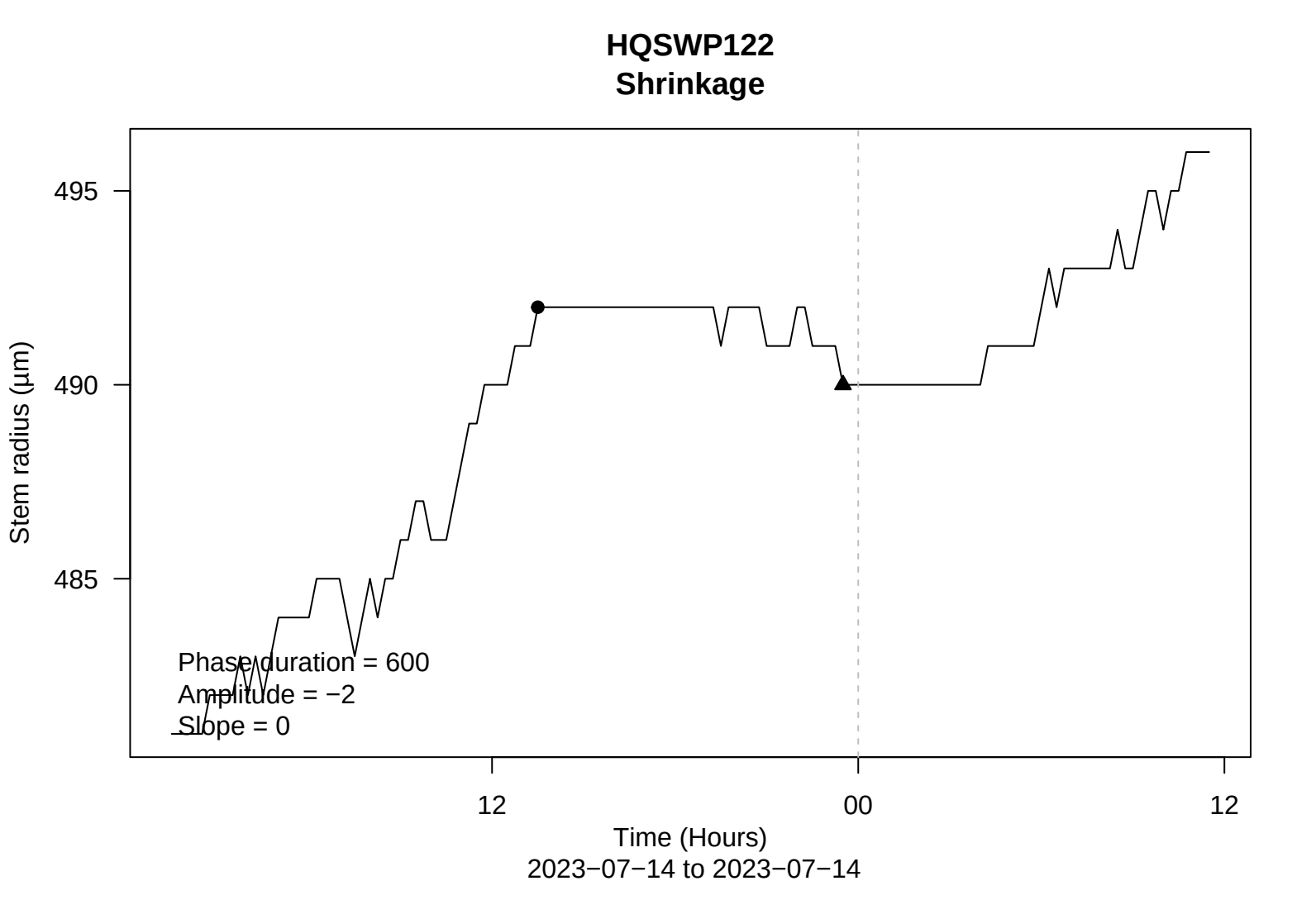

HQSWP122
Expansion
Stem radius (µm)
474
472
470
468
466
464
12
00
12
00
Time (Hours)
2023−07−11 to 2023−07−12
Phase duration = 870
Amplitude = 9
Slope = 2e−04

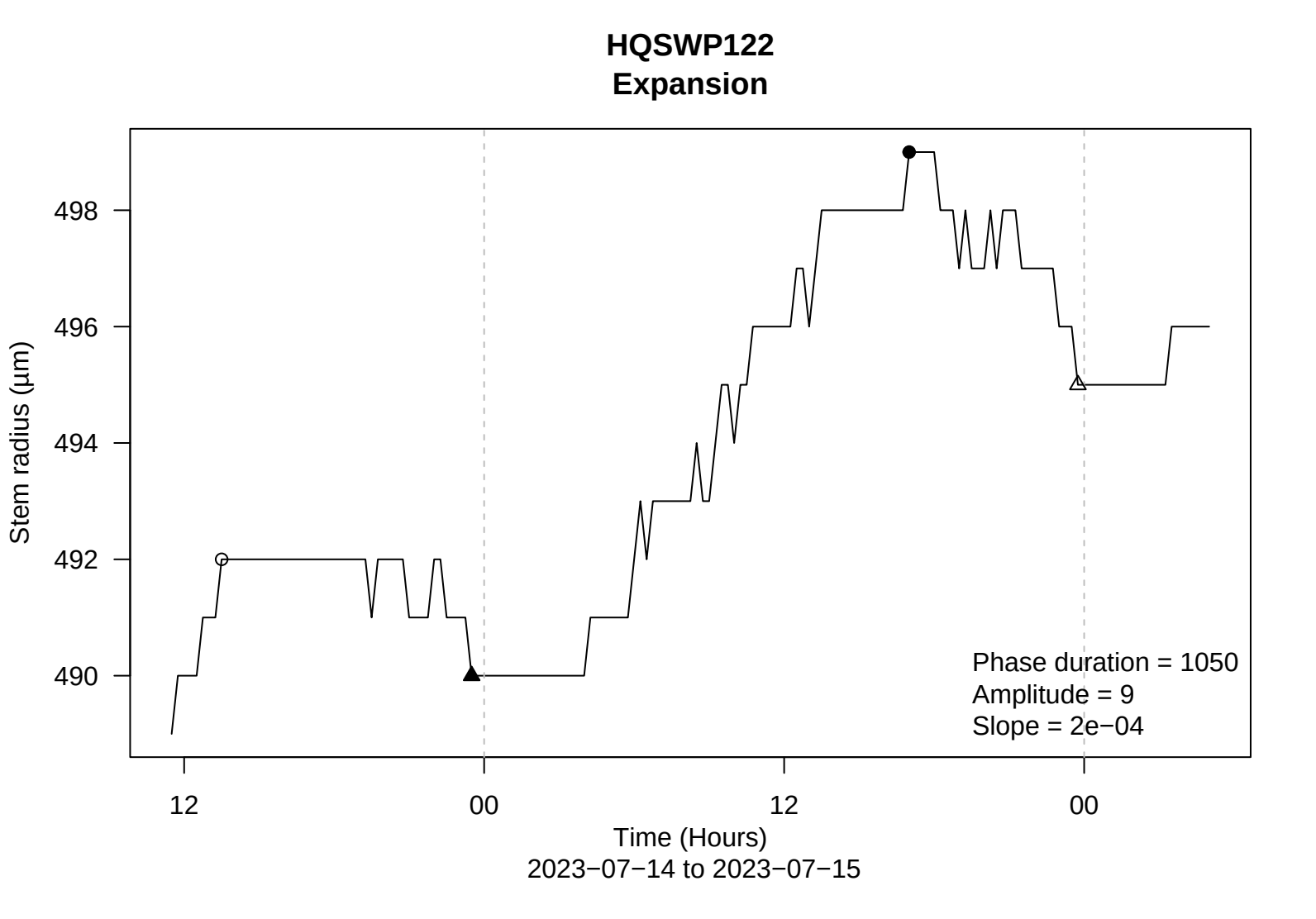

HQSWP122
Shrinkage
Stem radius (µm)
476
474
472
470
468
466
Phase duration = 450
Amplitude = −2
Slope = 0
06
12
18
00
06
Time (Hours)
2023−07−12 to 2023−07−12

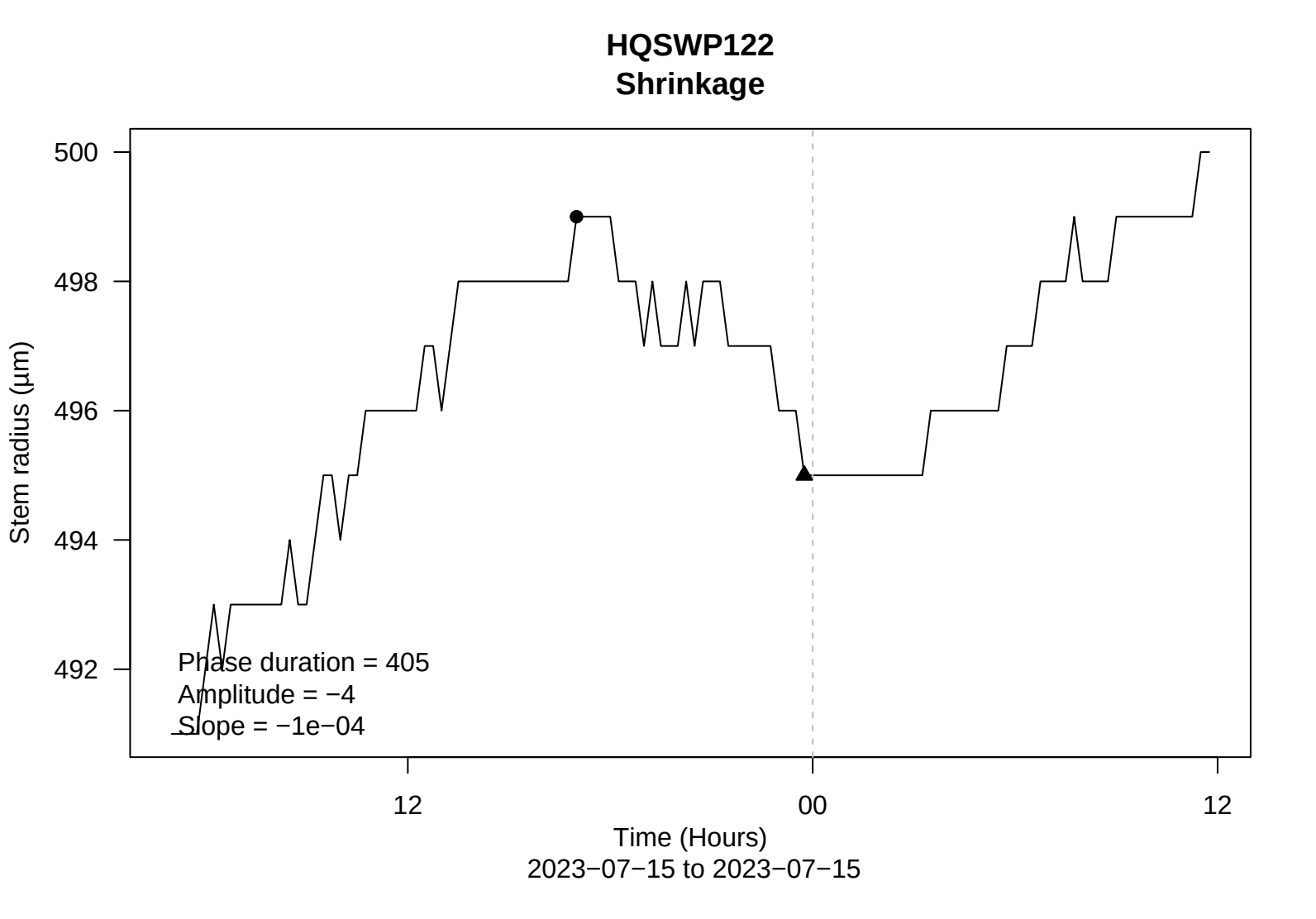

HQSWP122
Expansion
Stem radius (µm)
484
482
480
478
476
474
472
470
12
00
12
00
Time (Hours)
2023−07−12 to 2023−07−13
Phase duration = 1155
Amplitude = 11
Slope = 2e−04

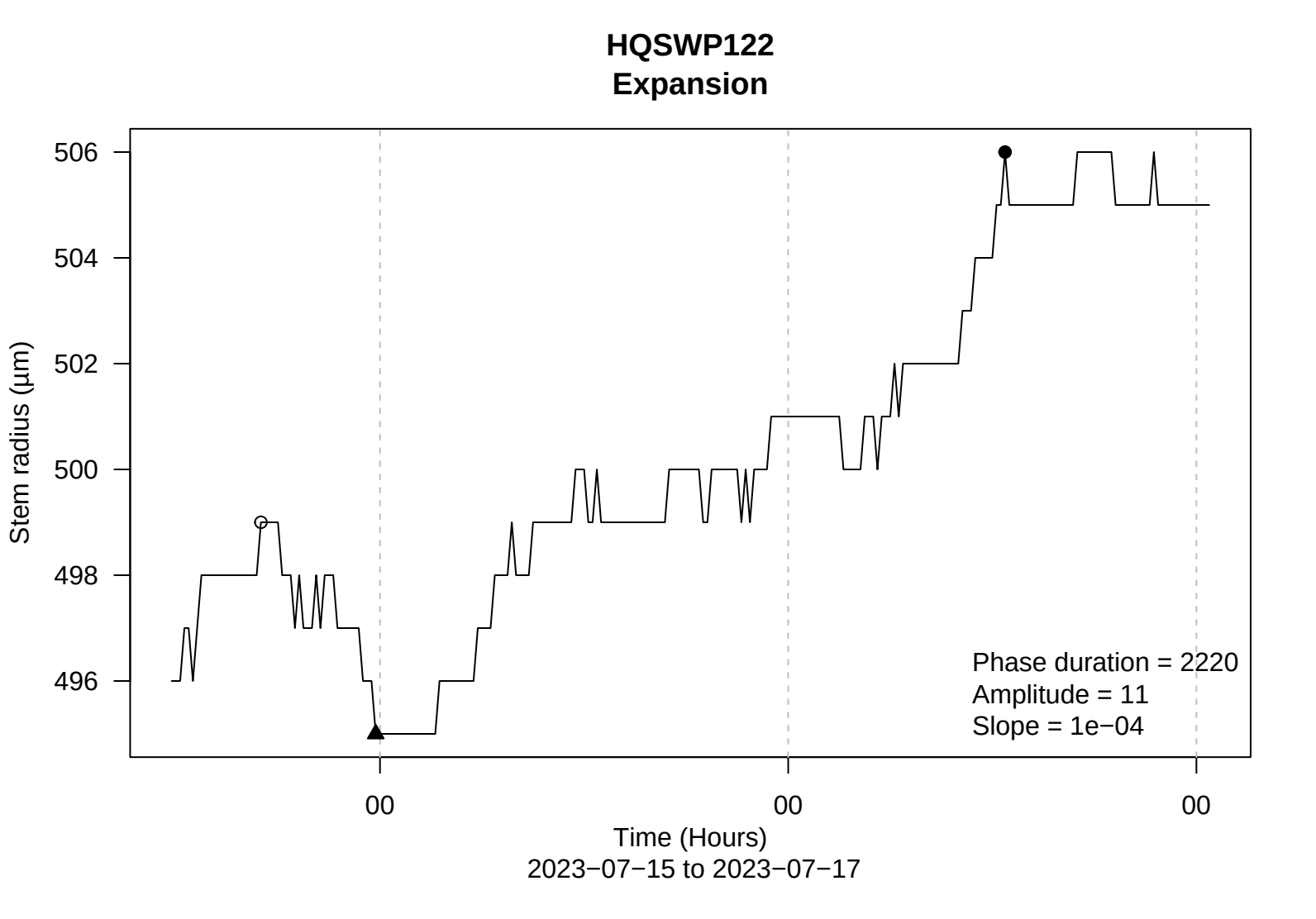

HQSWP122
Shrinkage
Stem radius (µm)
486
484
482
480
478
476
Phase duration = 315
Amplitude = −3
Slope = −1e−04
06
12
18
00
06
Time (Hours)
2023−07−13 to 2023−07−13

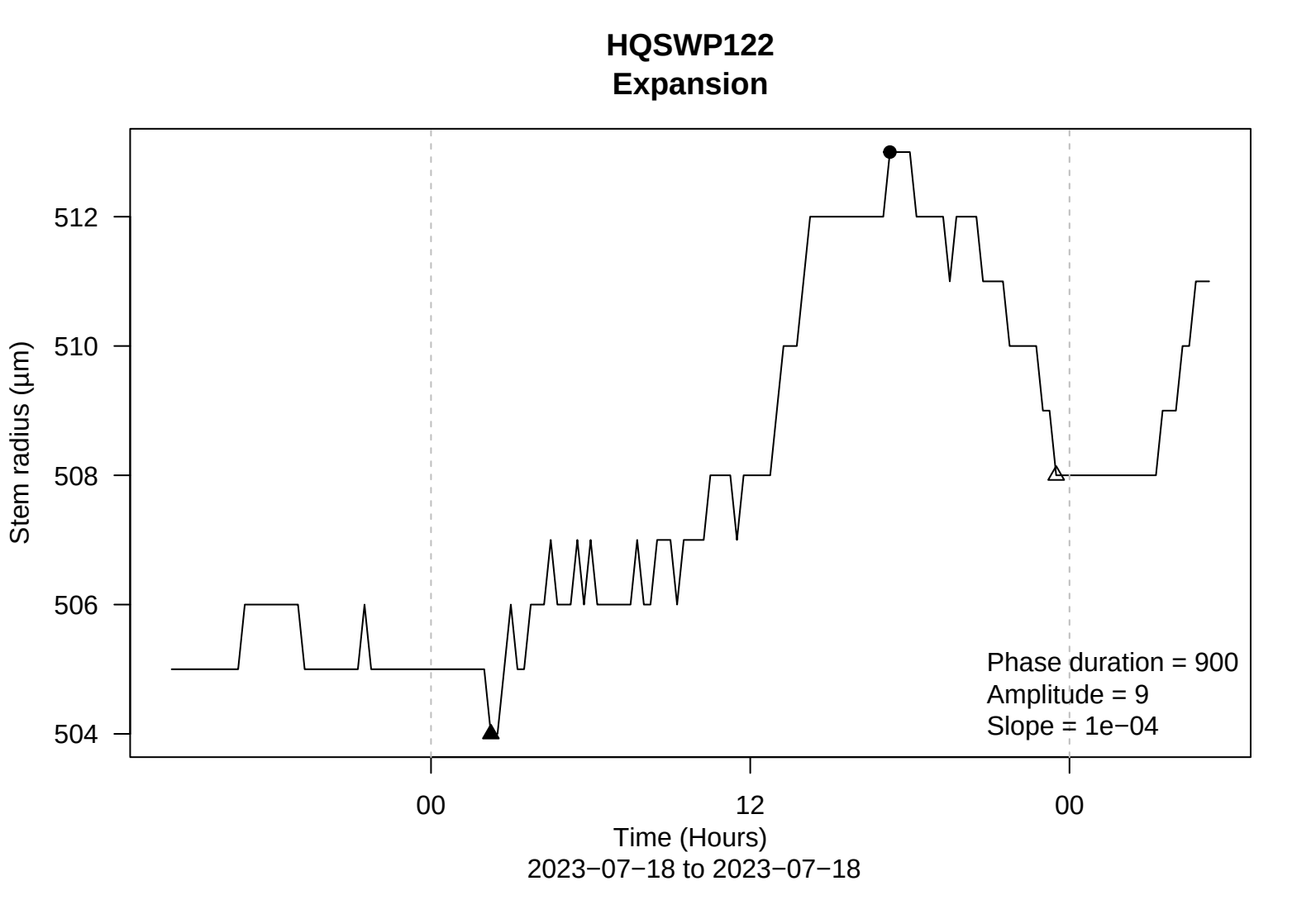

HQSWP122
Expansion
Stem radius (µm)
492
490
488
486
484
482
480
478
12
00
12
00
Time (Hours)
2023−07−13 to 2023−07−14
Phase duration = 930
Amplitude = 11
Slope = 2e−04

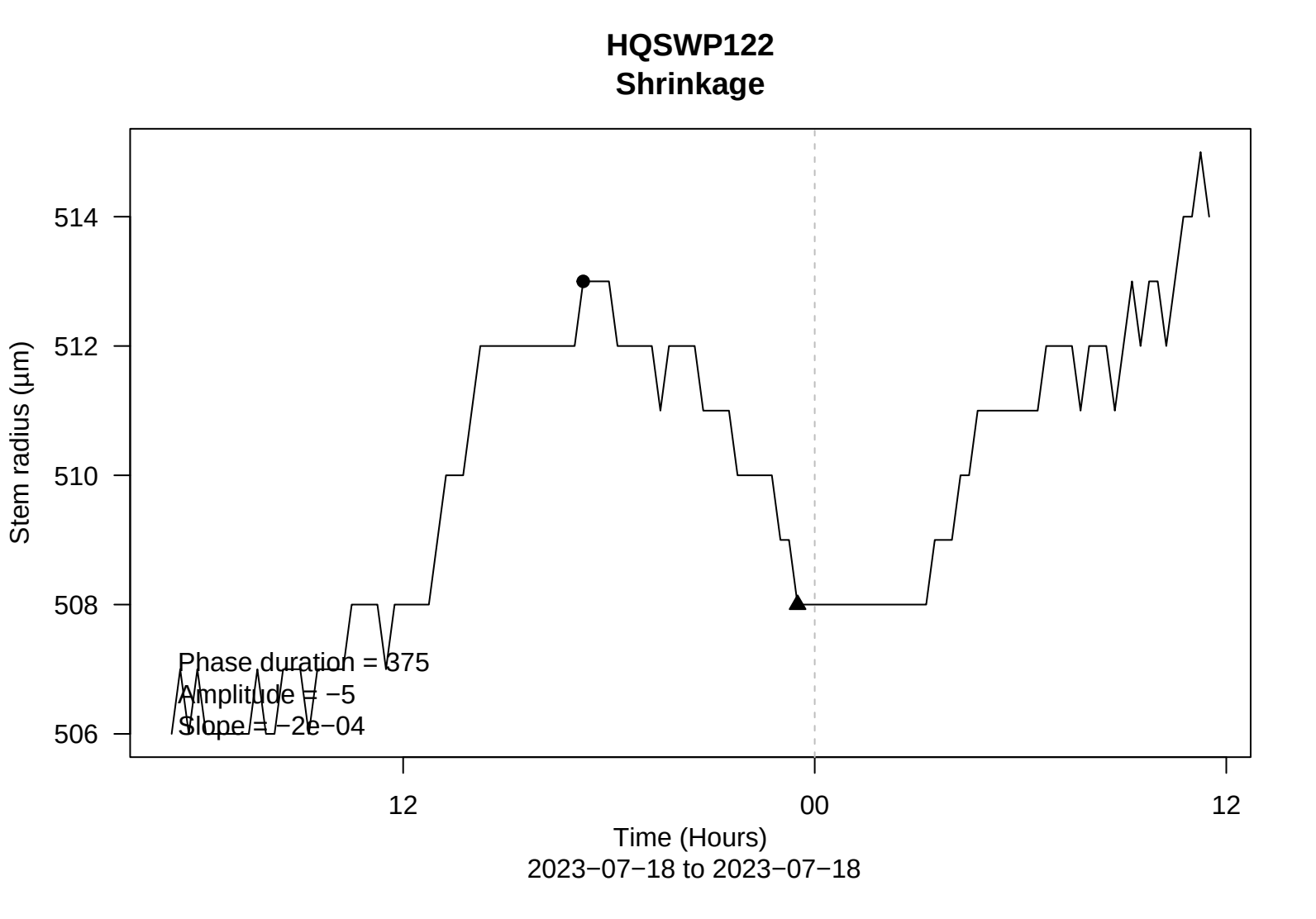

HQSWP122
Shrinkage
495
490
485
Stem radius (µm)
Phase duration = 600
Amplitude = −2
Slope = 0
12
00
12
Time (Hours)
2023−07−14 to 2023−07−14

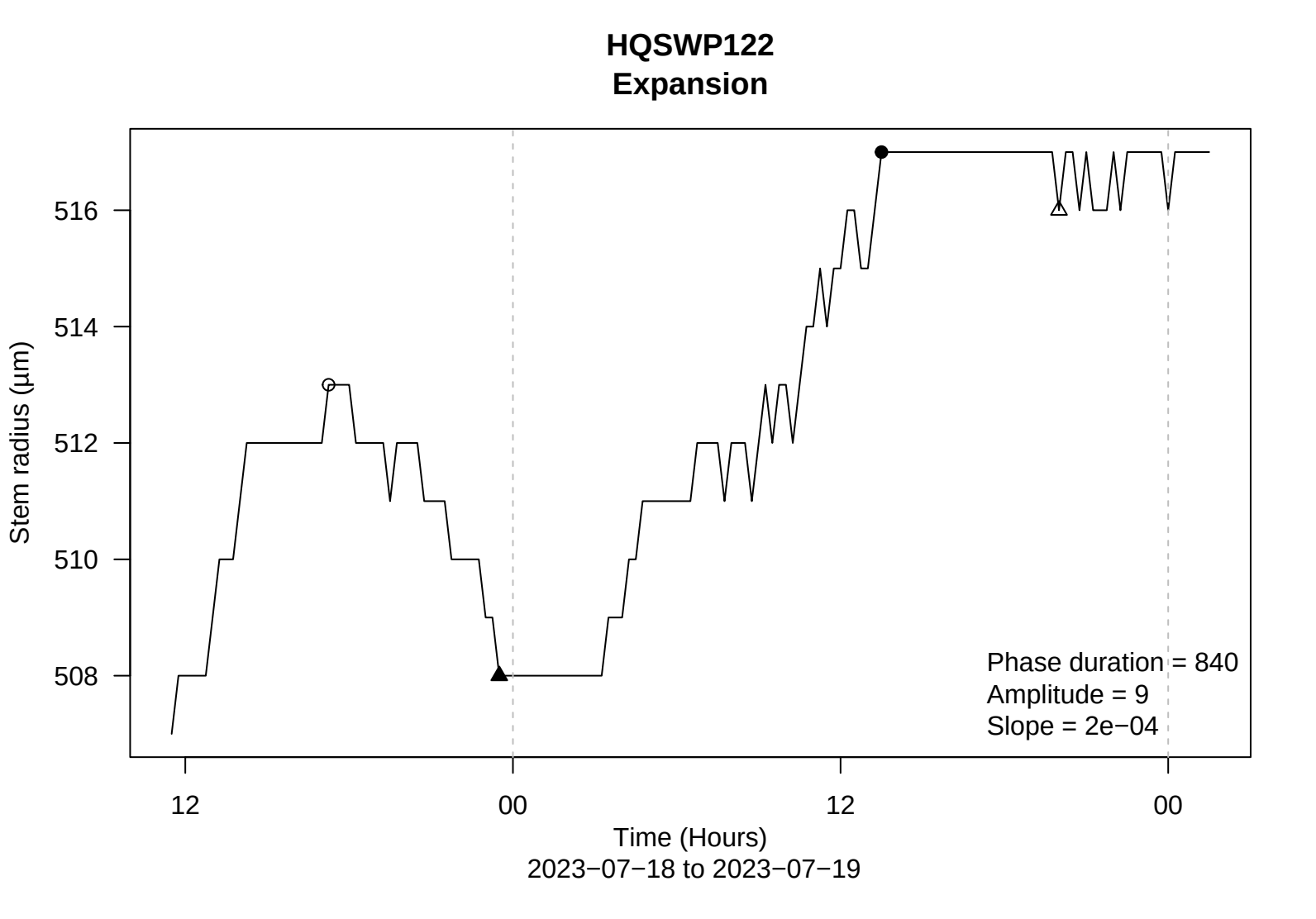

HQSWP122
Expansion
Stem radius (µm)
498
496
494
492
490
12
00
12
00
Time (Hours)
2023−07−14 to 2023−07−15
Phase duration = 1050
Amplitude = 9
Slope = 2e−04

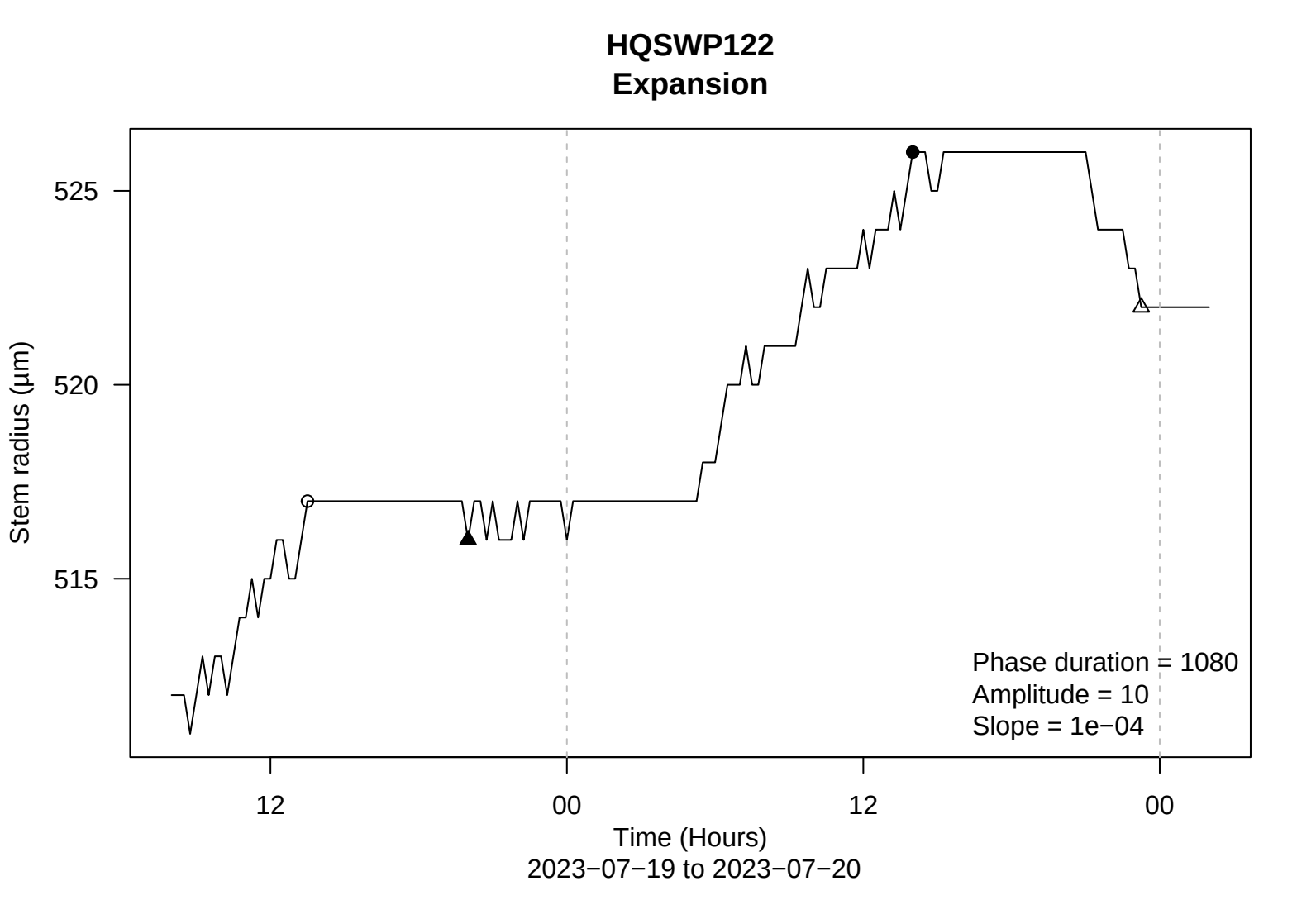

HQSWP122
Shrinkage
500
498
496
494
492
Stem radius (µm)
Phase duration = 405
Amplitude = −4
Slope = −1e−04
12
00
12
Time (Hours)
2023−07−15 to 2023−07−15

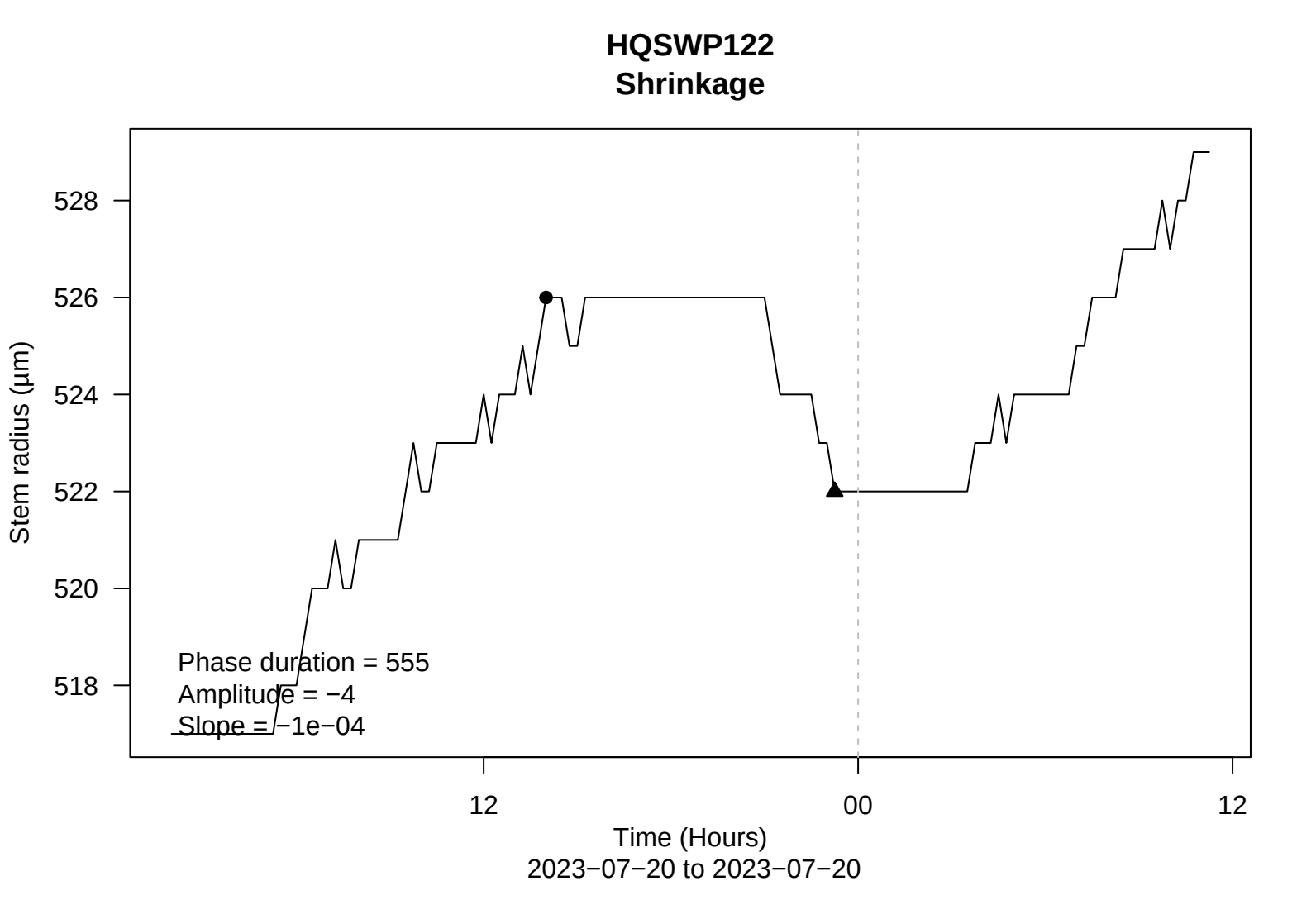

HQSWP122
Expansion
506
504
502
500
498
496
Stem radius (µm)
00
00
00
Time (Hours)
2023−07−15 to 2023−07−17
Phase duration = 2220
Amplitude = 11
Slope = 1e−04

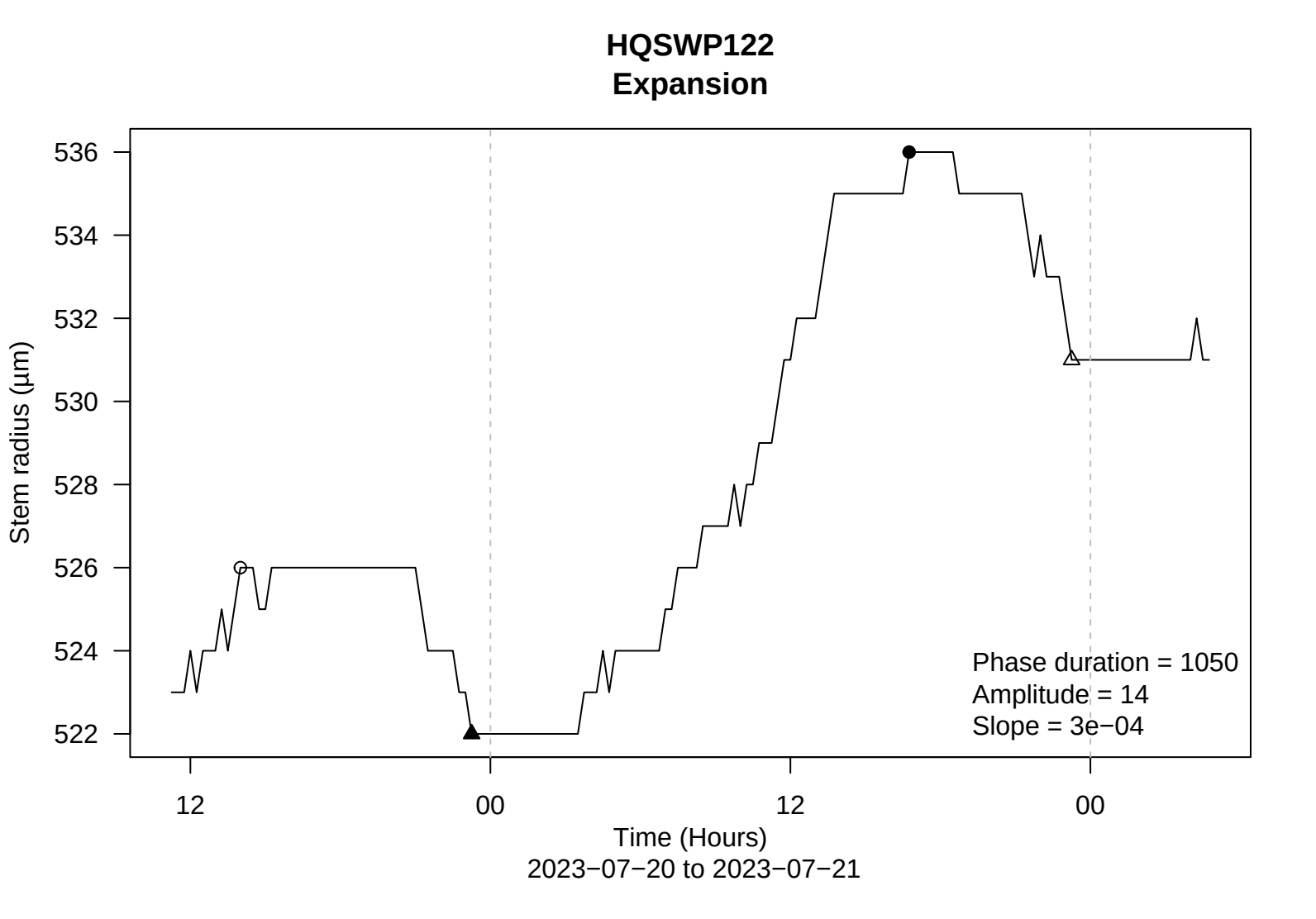

HQSWP122
Expansion
512
510
508
506
504
Stem radius (µm)
00
12
00
Time (Hours)
2023−07−18 to 2023−07−18
Phase duration = 900
Amplitude = 9
Slope = 1e−04

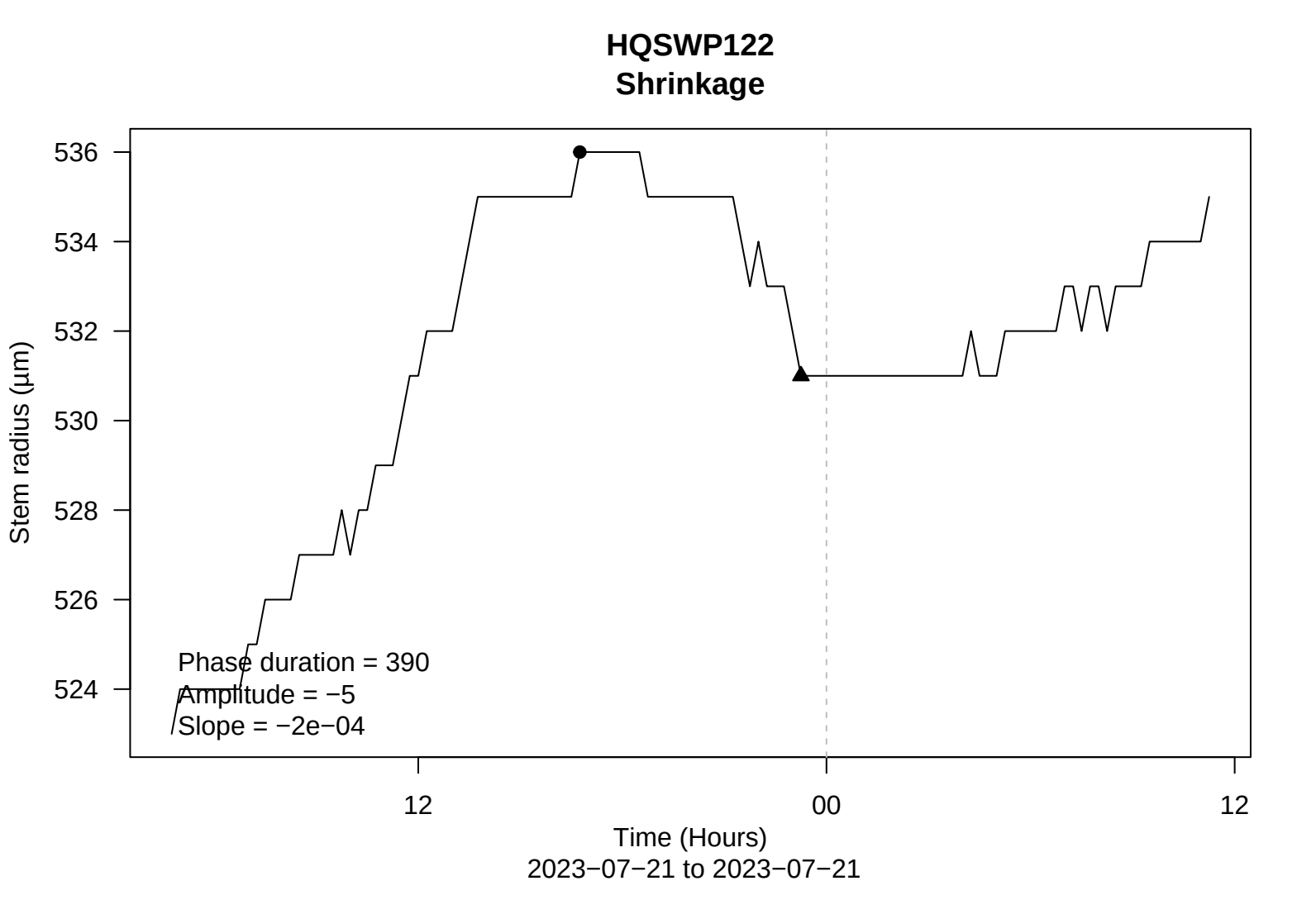

HQSWP122
Shrinkage
514
512
510
508
506
Stem radius (µm)
Phase duration = 375
Amplitude = −5
Slope = −2e−04
12
00
12
Time (Hours)
2023−07−18 to 2023−07−18

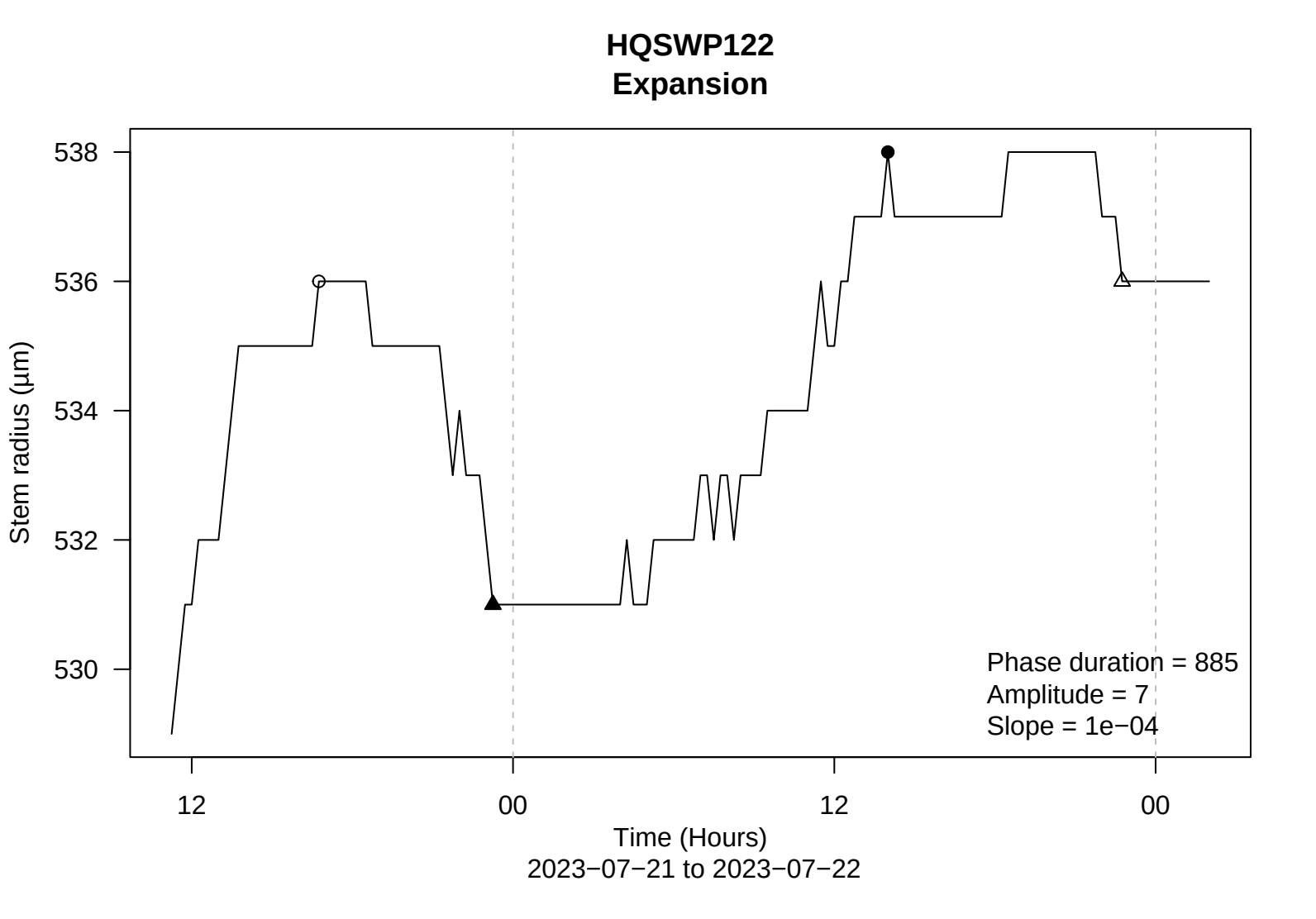

HQSWP122
Expansion
Stem radius (µm)
516
514
512
510
508
12
00
12
00
Time (Hours)
2023−07−18 to 2023−07−19
Phase duration = 840
Amplitude = 9
Slope = 2e−04

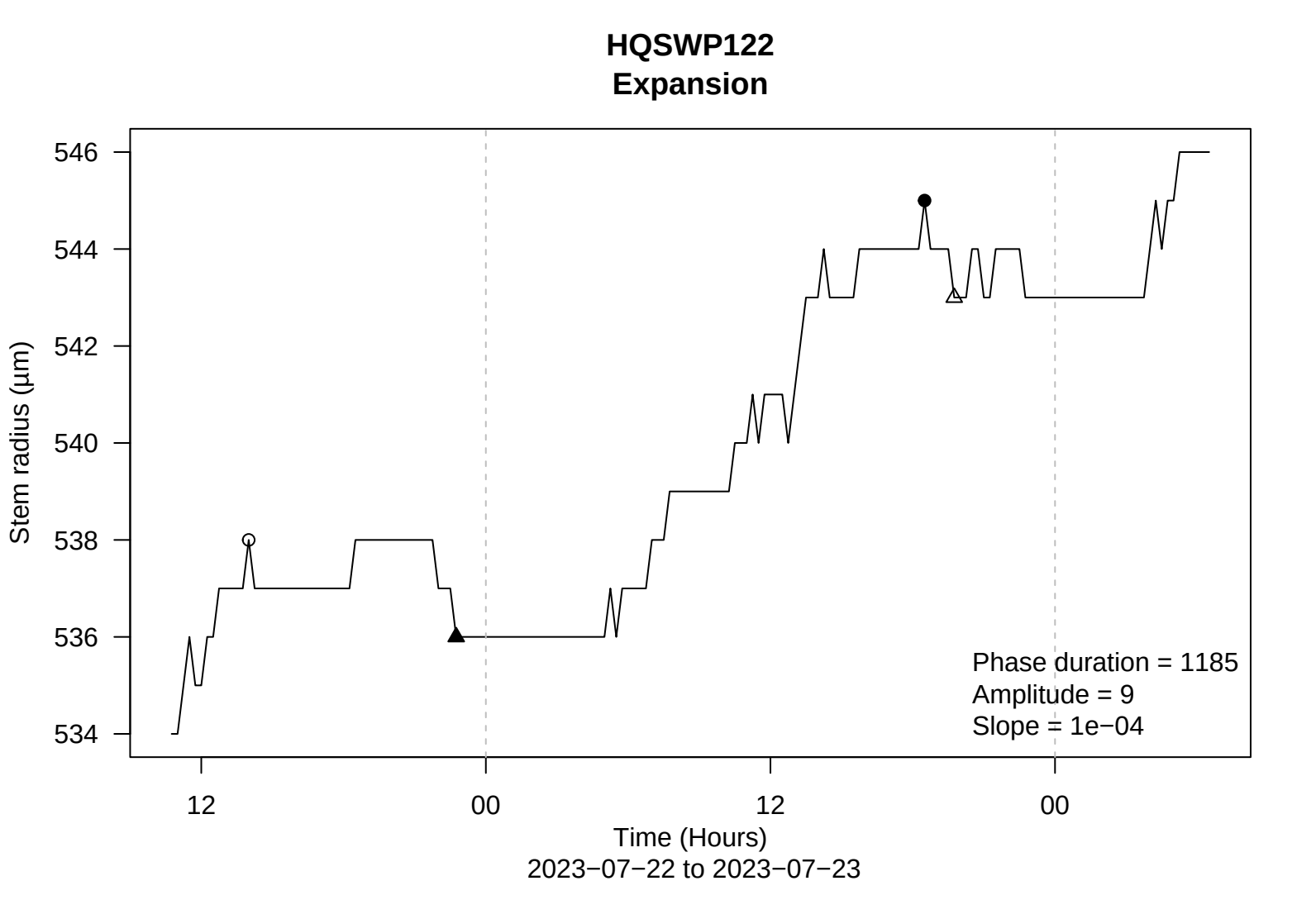

HQSWP122
Expansion
525
520
515
Stem radius (µm)
Phase duration = 1080
Amplitude = 10
Slope = 1e−04
12
00
12
00
Time (Hours)
2023−07−19 to 2023−07−20

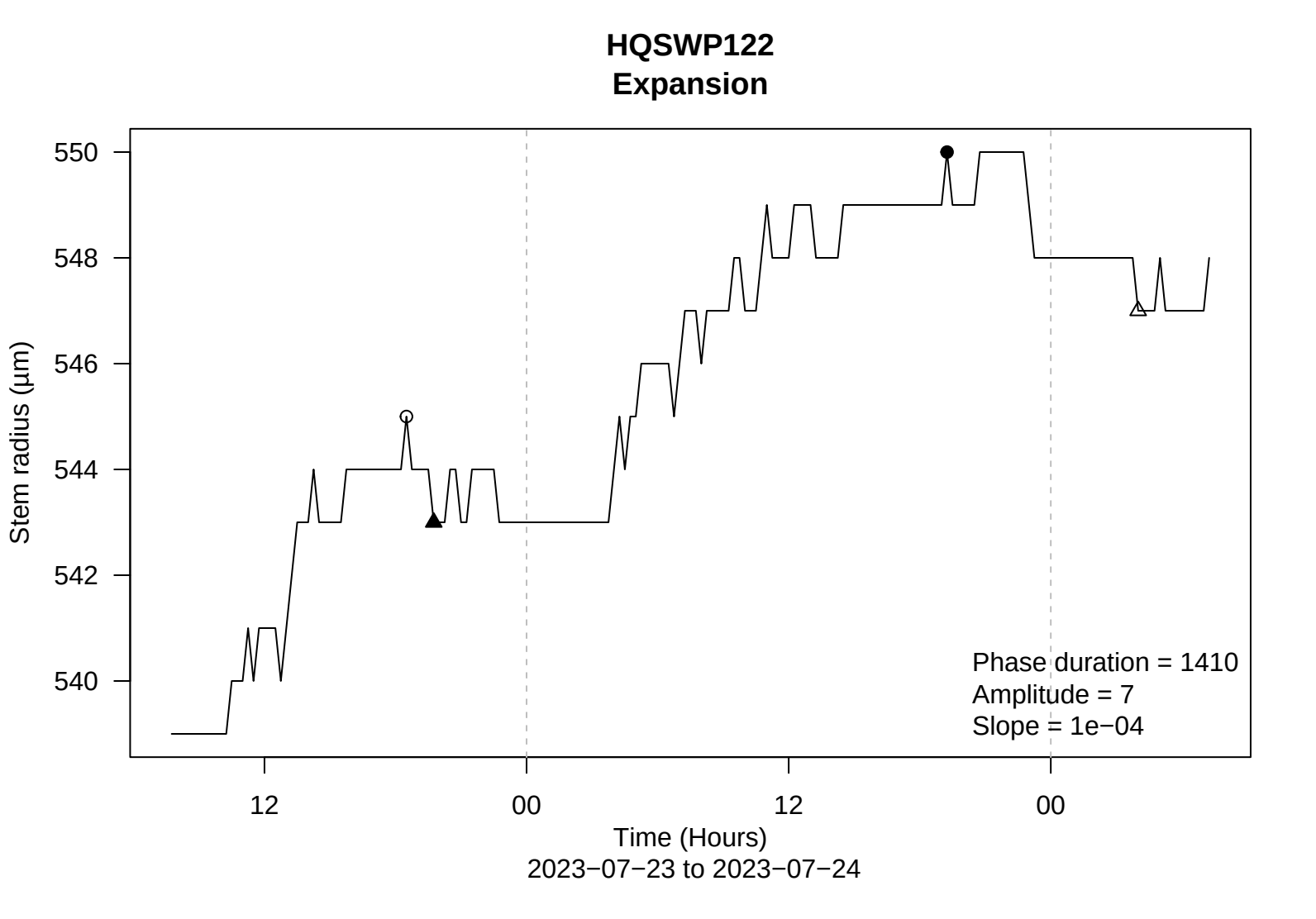

HQSWP122
Shrinkage
Stem radius (µm)
528
526
524
522
520
518
Phase duration = 555
Amplitude = −4
Slope = −1e−04
12
00
12
Time (Hours)
2023−07−20 to 2023−07−20

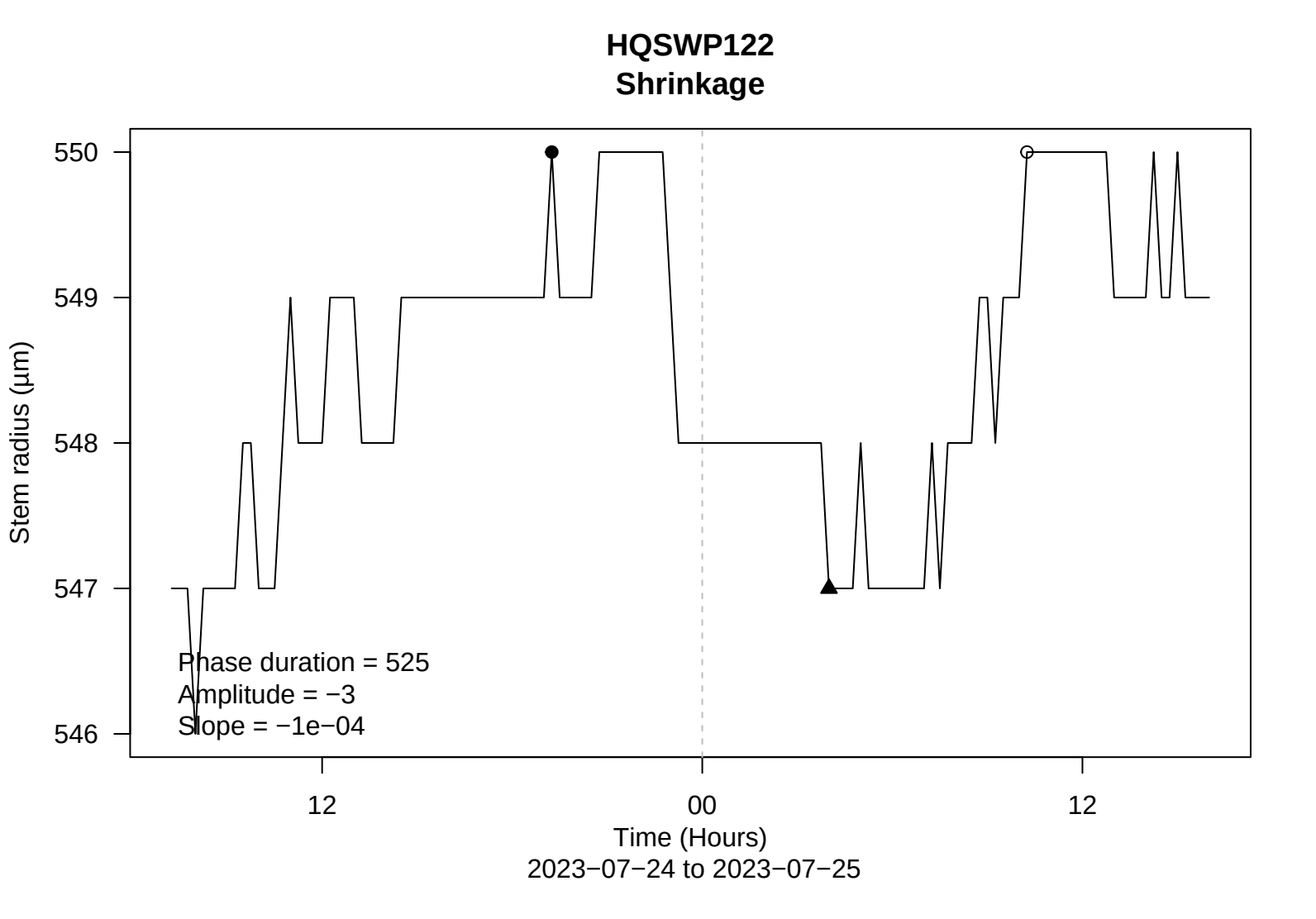

HQSWP122
Expansion
536
534
532
530
528
526
524
522
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−07−20 to 2023−07−21
Phase duration = 1050
Amplitude = 14
Slope = 3e−04

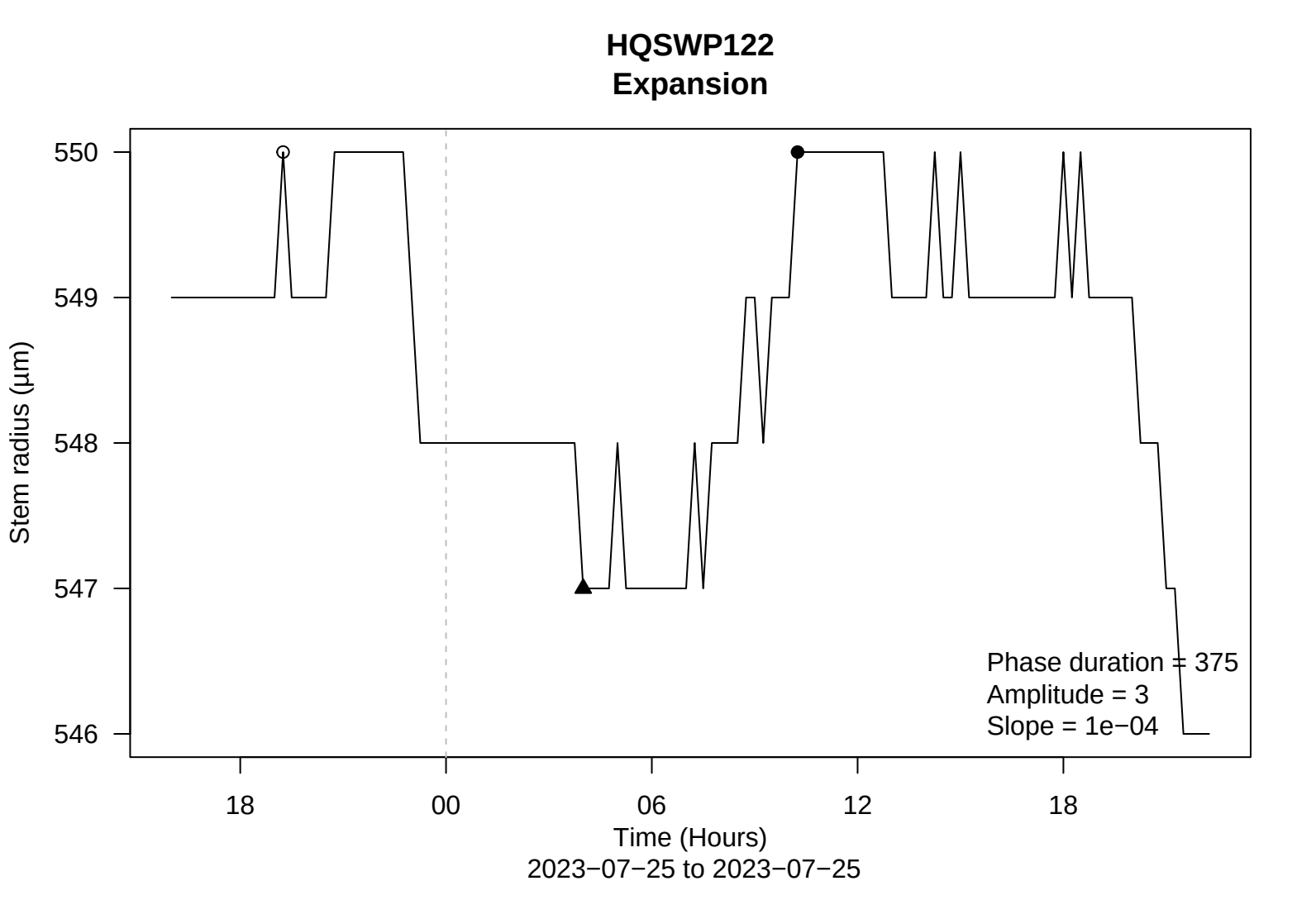

HQSWP122
Shrinkage
536
534
532
530
528
526
524
Stem radius (µm)
Phase duration = 390
Amplitude = −5
Slope = −2e−04
12
00
12
Time (Hours)
2023−07−21 to 2023−07−21

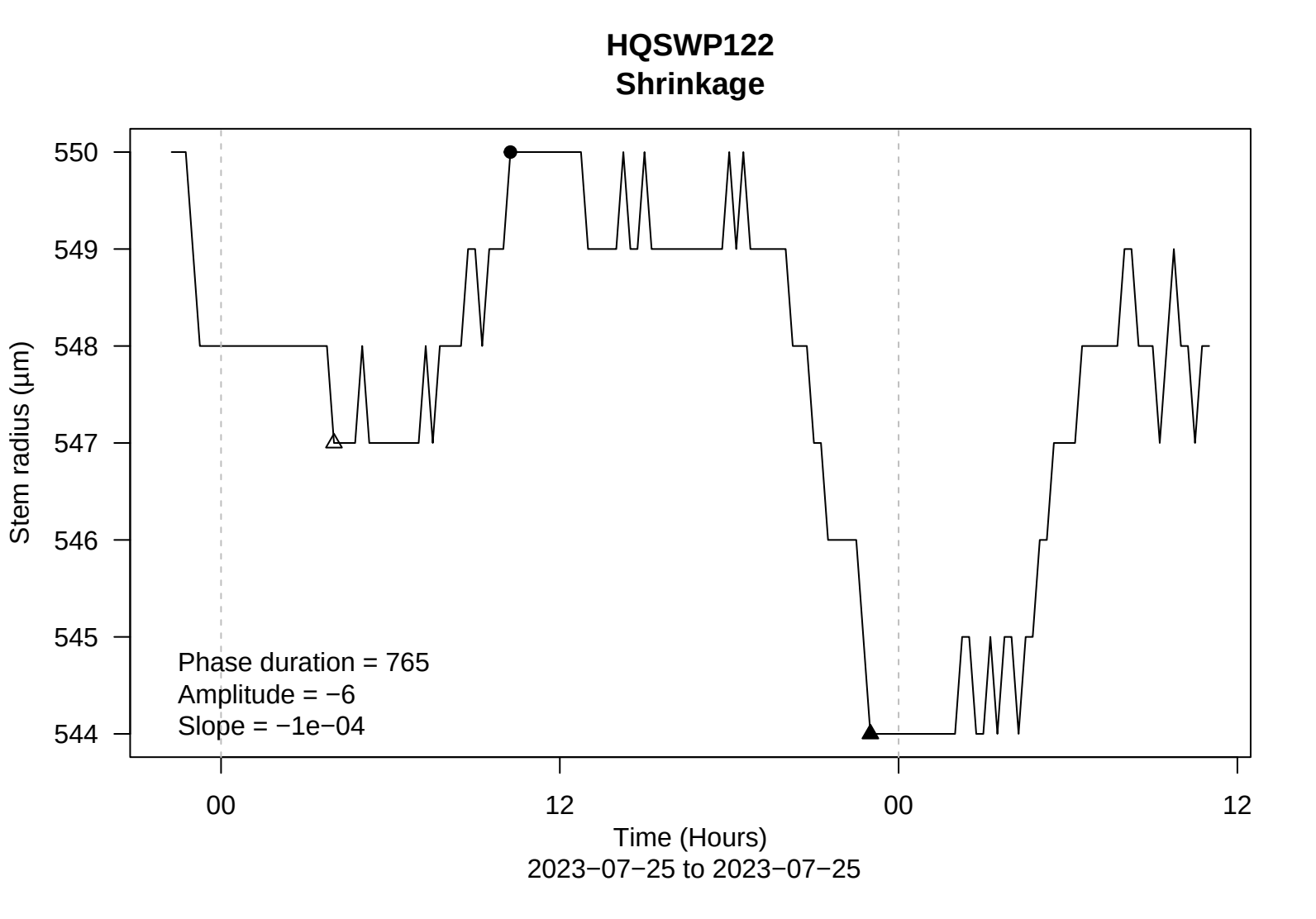

HQSWP122
Expansion
538
536
534
532
530
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−07−21 to 2023−07−22
Phase duration = 885
Amplitude = 7
Slope = 1e−04

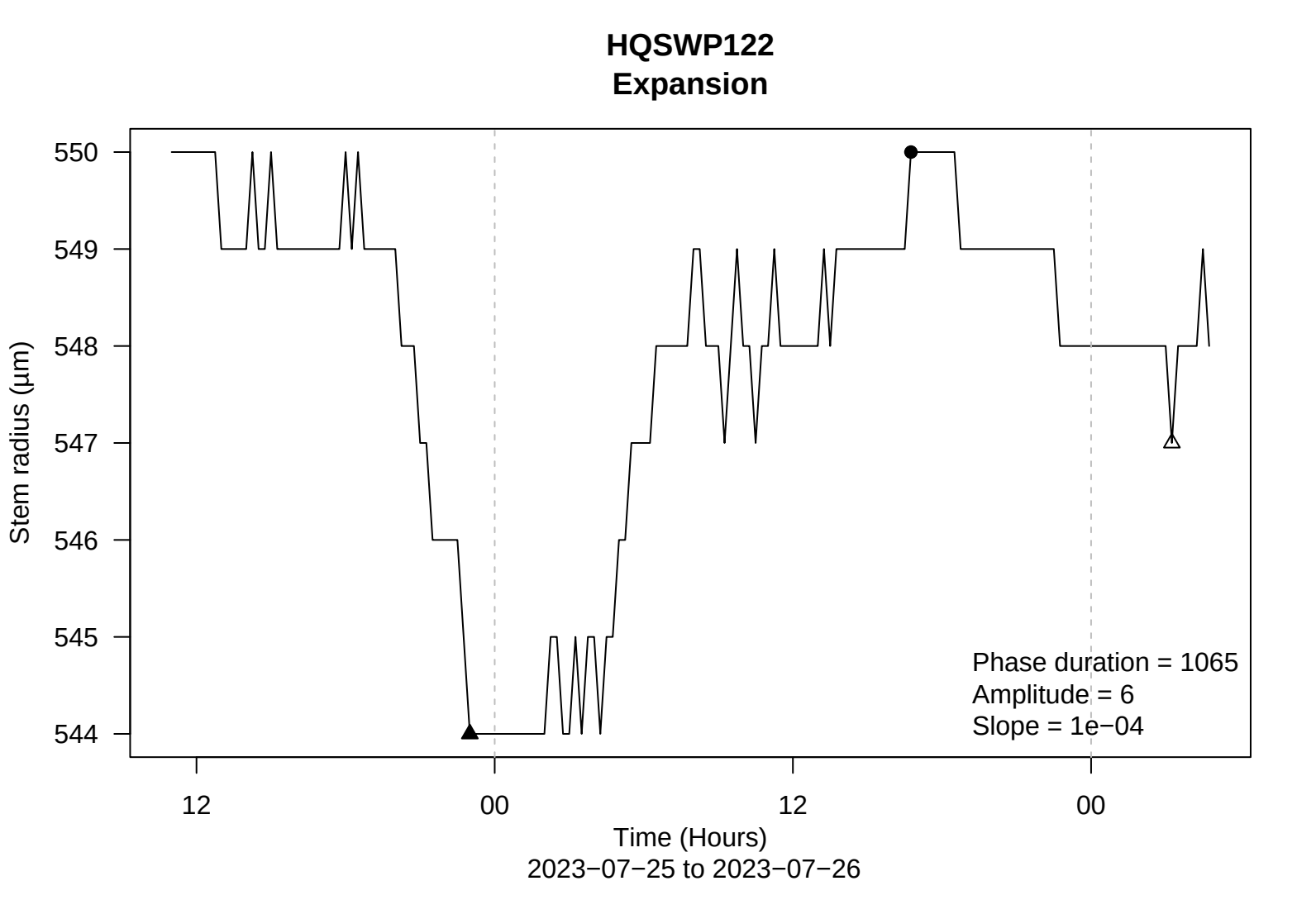

HQSWP122
Expansion
546
544
542
540
538
536
534
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−07−22 to 2023−07−23
Phase duration = 1185
Amplitude = 9
Slope = 1e−04

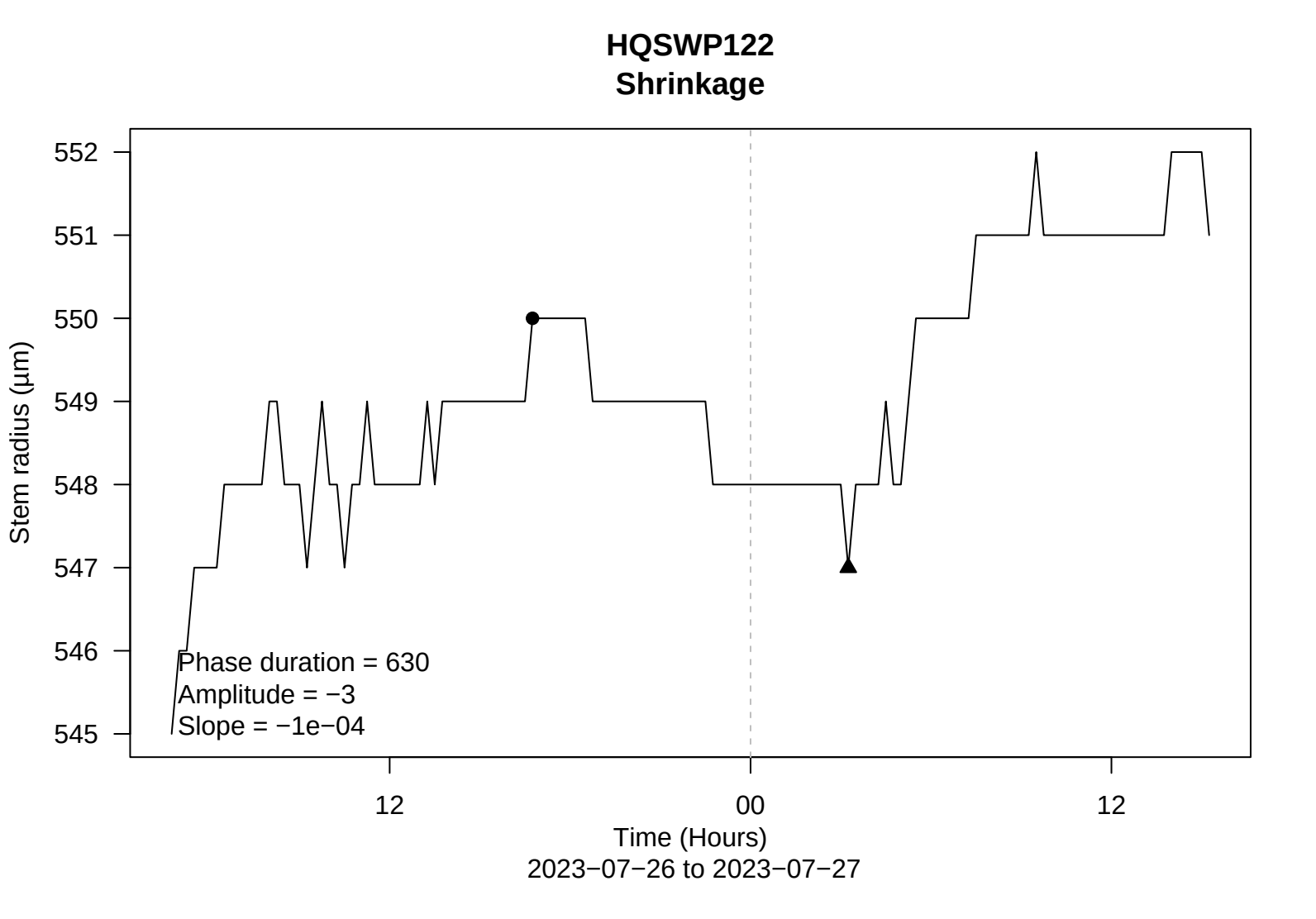

HQSWP122
Expansion
550
548
546
544
542
540
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−07−23 to 2023−07−24
Phase duration = 1410
Amplitude = 7
Slope = 1e−04

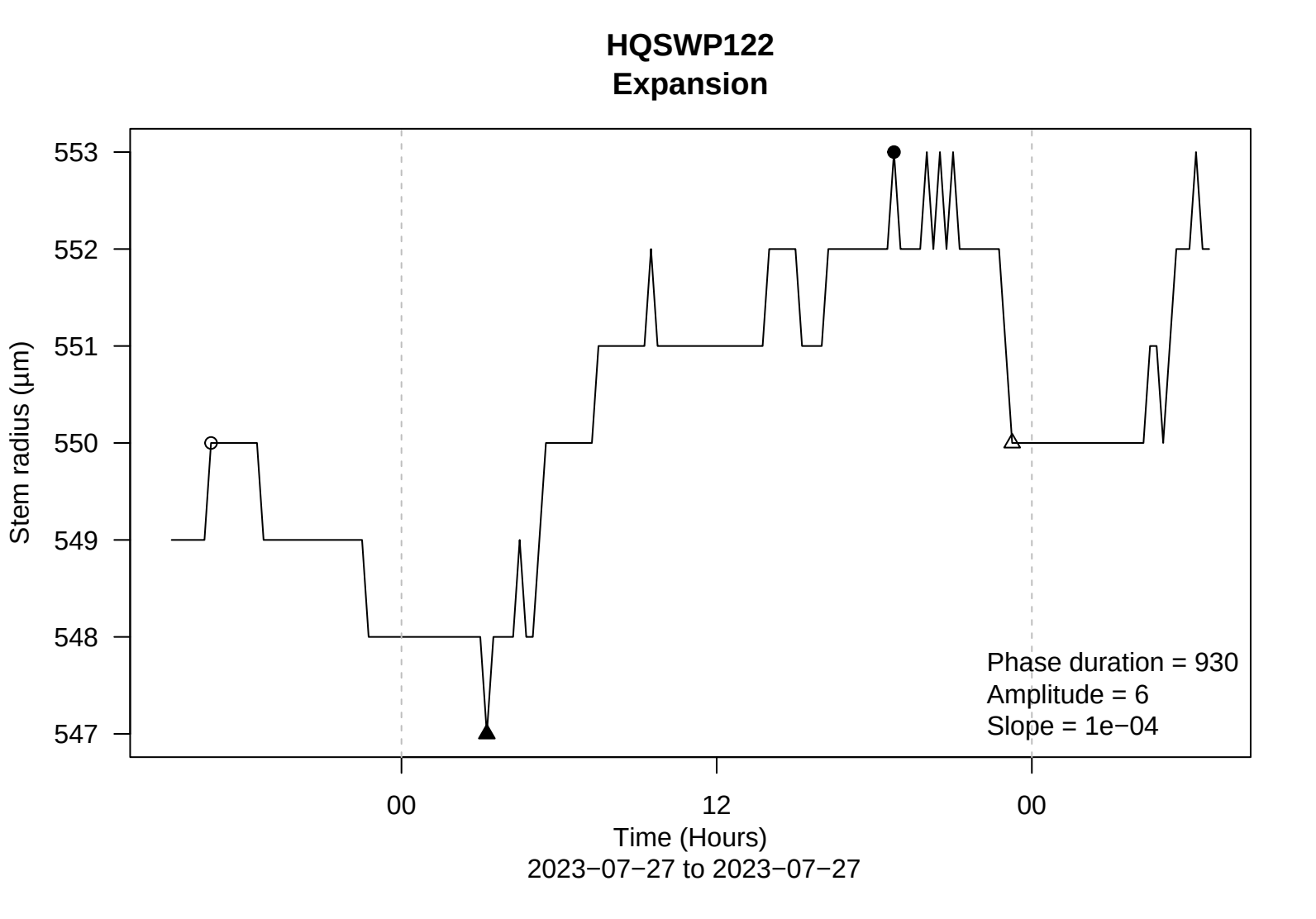

HQSWP122
Shrinkage
550
549
548
547
546
Stem radius (µm)
Phase duration = 525
Amplitude = −3
Slope = −1e−04
12
00
12
Time (Hours)
2023−07−24 to 2023−07−25

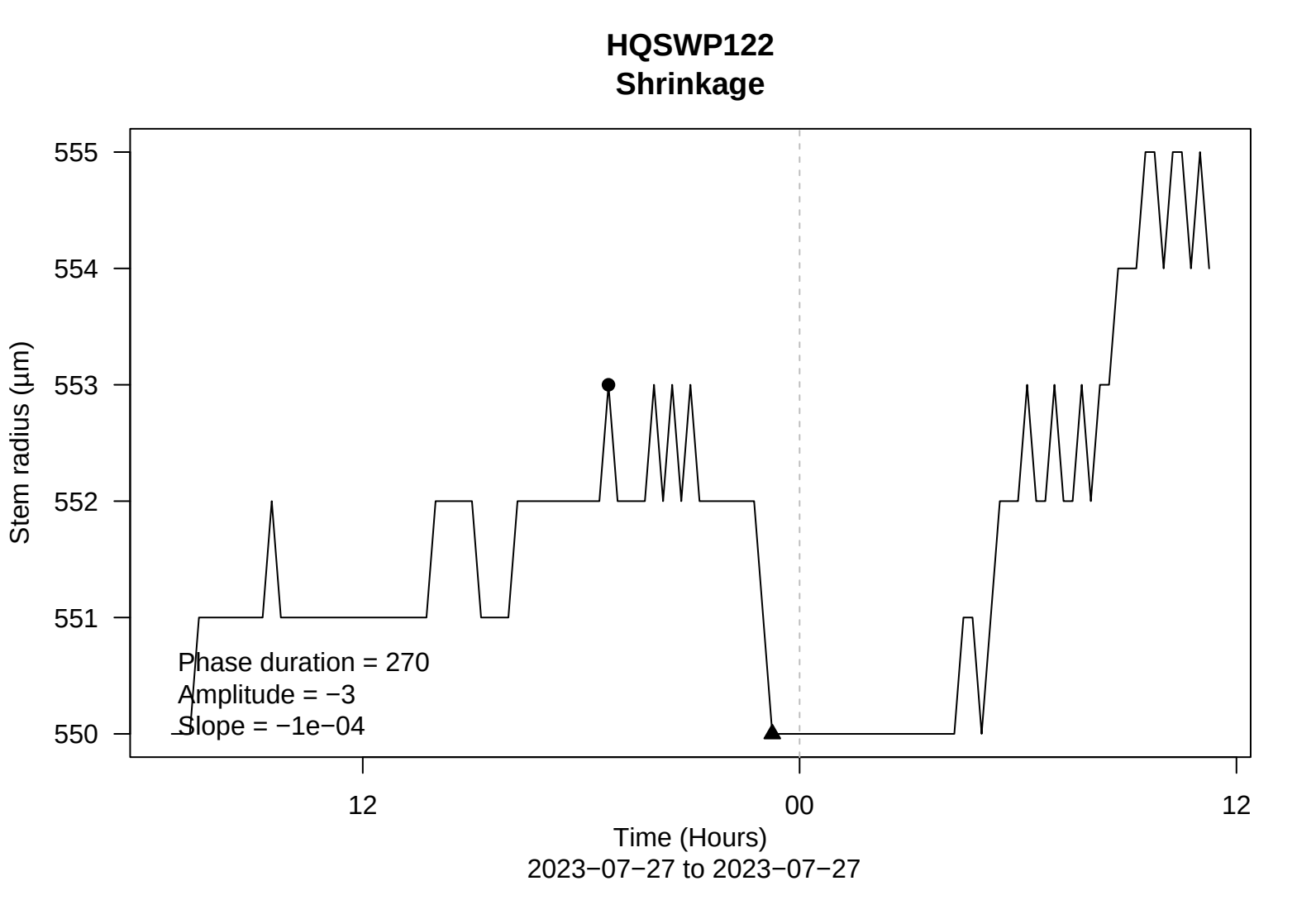

HQSWP122
Expansion
550
549
548
547
546
Stem radius (µm)
18
00
06
12
18
Time (Hours)
2023−07−25 to 2023−07−25
Phase duration = 375
Amplitude = 3
Slope = 1e−04

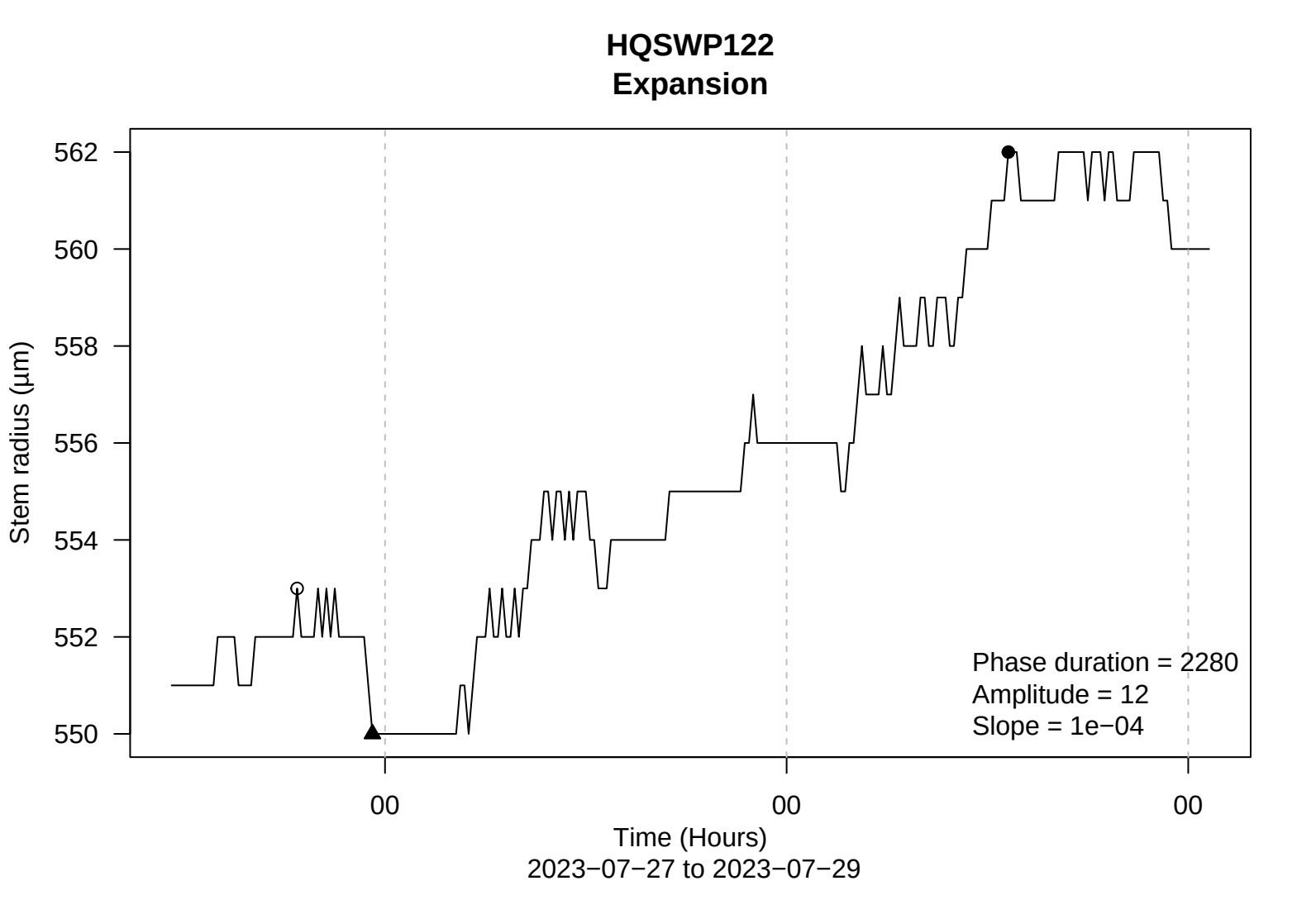

HQSWP122
Shrinkage
550
549
548
547
546
545
544
Stem radius (µm)
Phase duration = 765
Amplitude = −6
Slope = −1e−04
00
12
00
12
Time (Hours)
2023−07−25 to 2023−07−25

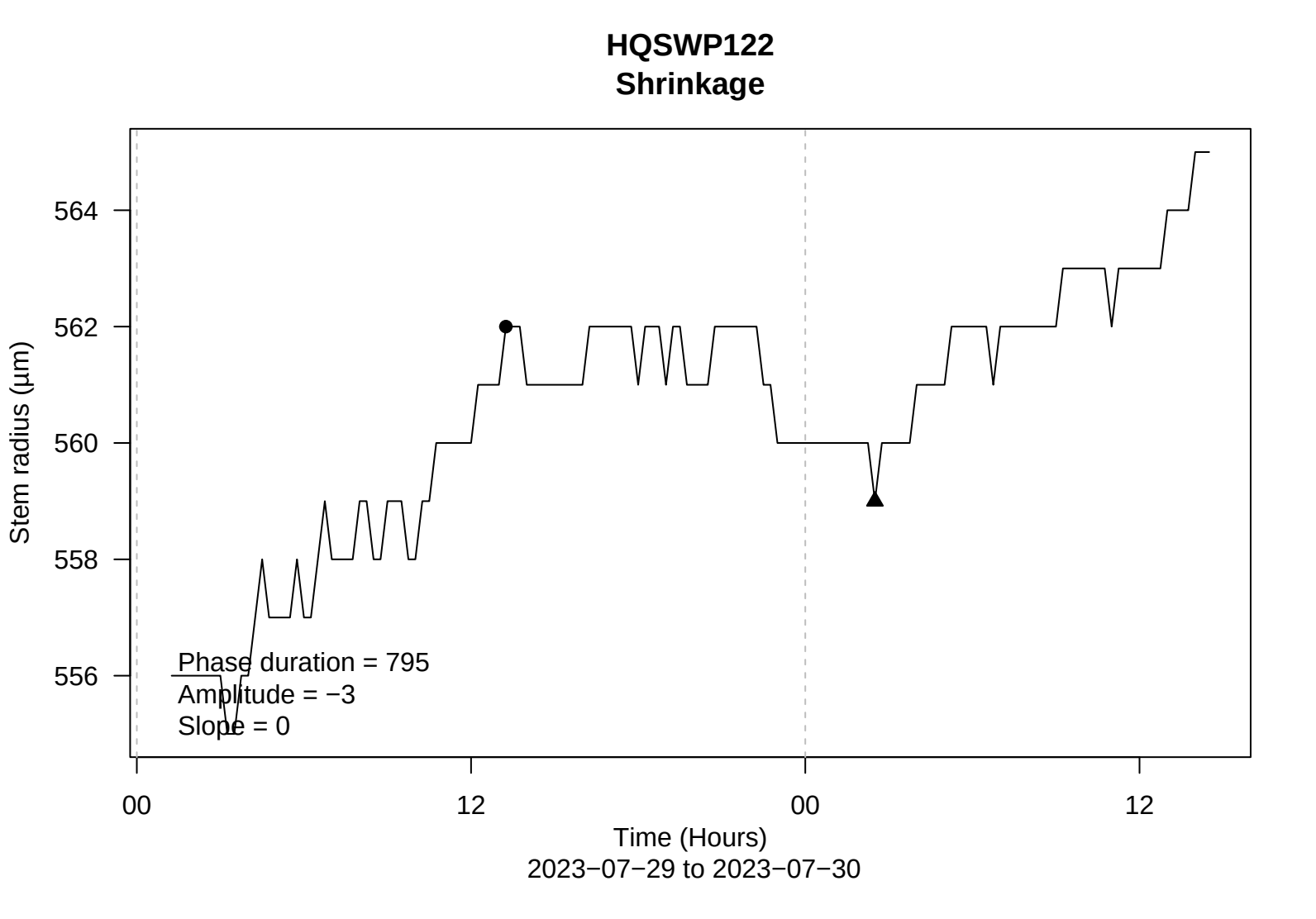

HQSWP122
Expansion
550
549
548
547
546
545
544
Stem radius (µm)
Phase duration = 1065
Amplitude = 6
Slope = 1e−04
12
00
12
00
Time (Hours)
2023−07−25 to 2023−07−26

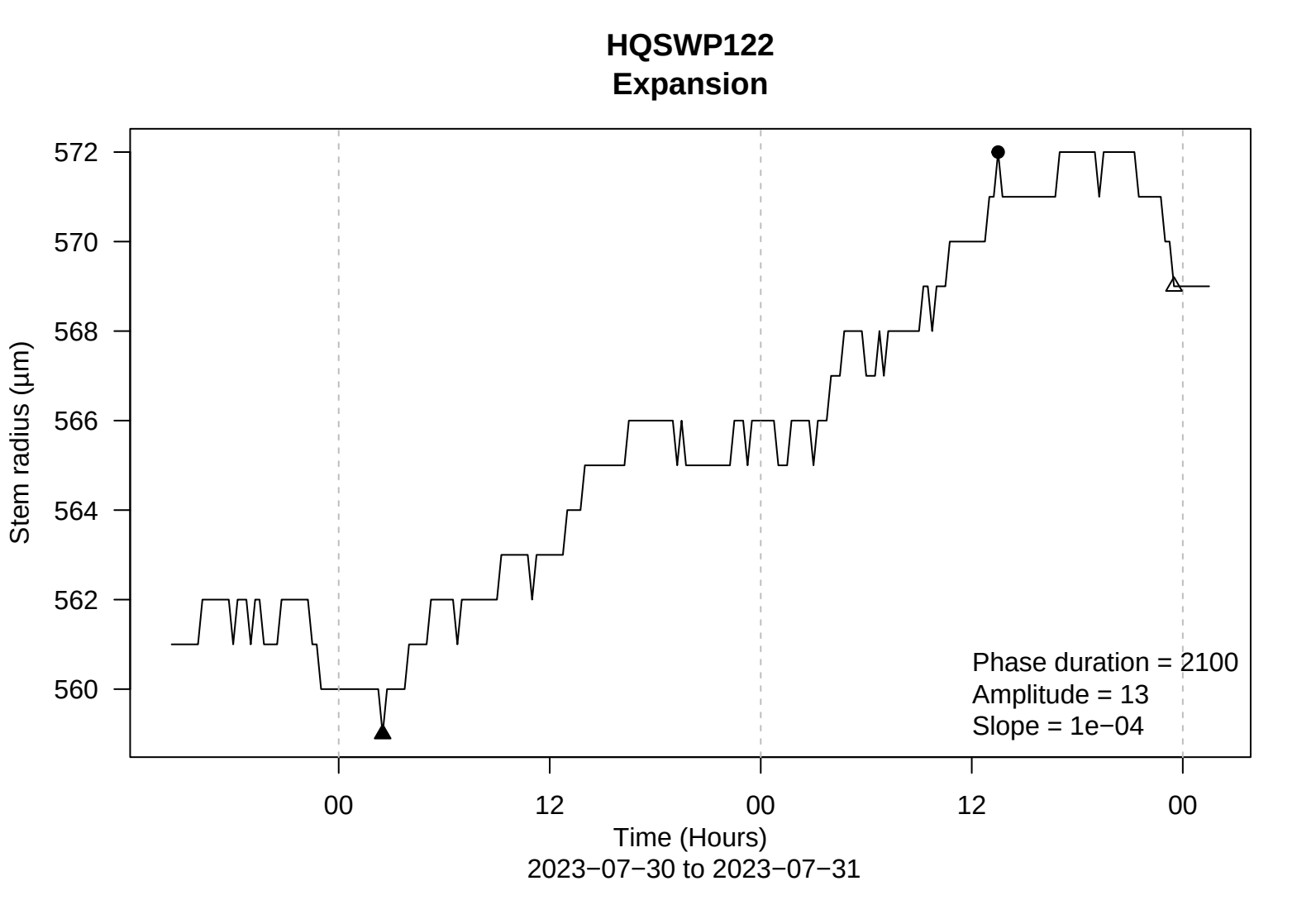

HQSWP122
Shrinkage
552
551
550
549
548
547
546
545
Stem radius (µm)
Phase duration = 630
Amplitude = −3
Slope = −1e−04
12
00
12
Time (Hours)
2023−07−26 to 2023−07−27

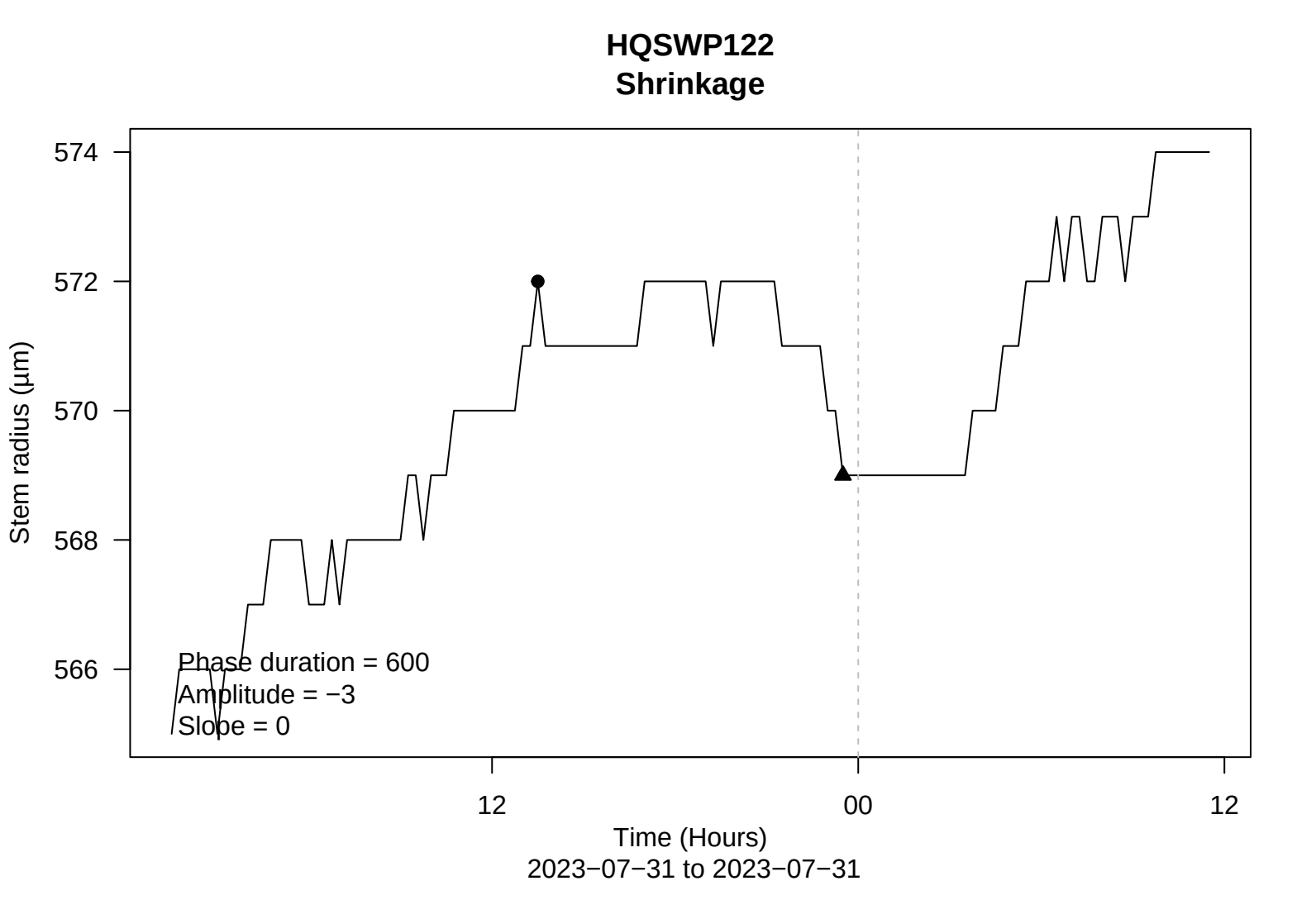

HQSWP122
Expansion
553
552
551
550
549
548
547
Stem radius (µm)
00
12
00
Time (Hours)
2023−07−27 to 2023−07−27
Phase duration = 930
Amplitude = 6
Slope = 1e−04

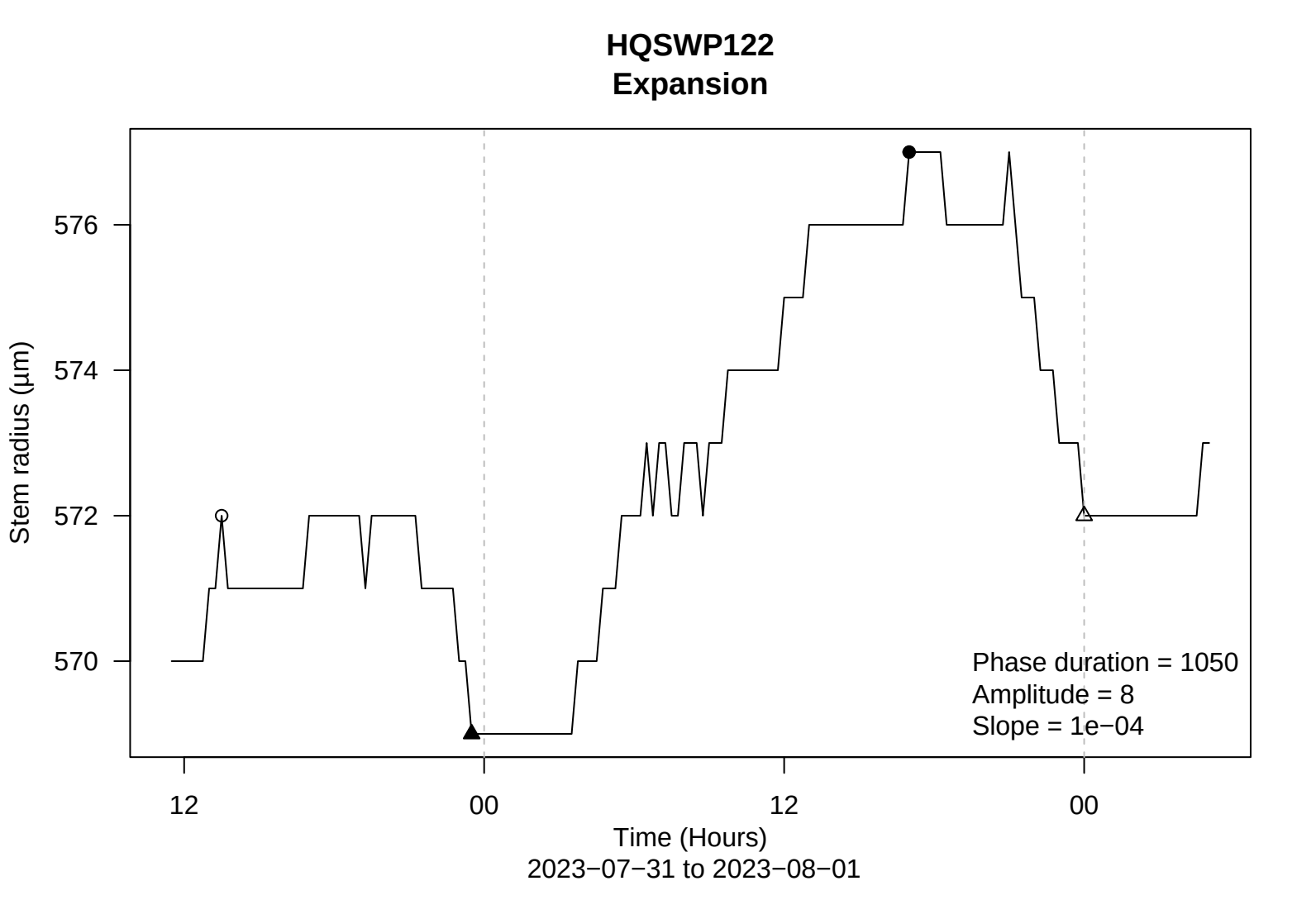

HQSWP122
Shrinkage
555
554
553
552
551
550
Stem radius (µm)
Phase duration = 270
Amplitude = −3
Slope = −1e−04
12
00
12
Time (Hours)
2023−07−27 to 2023−07−27

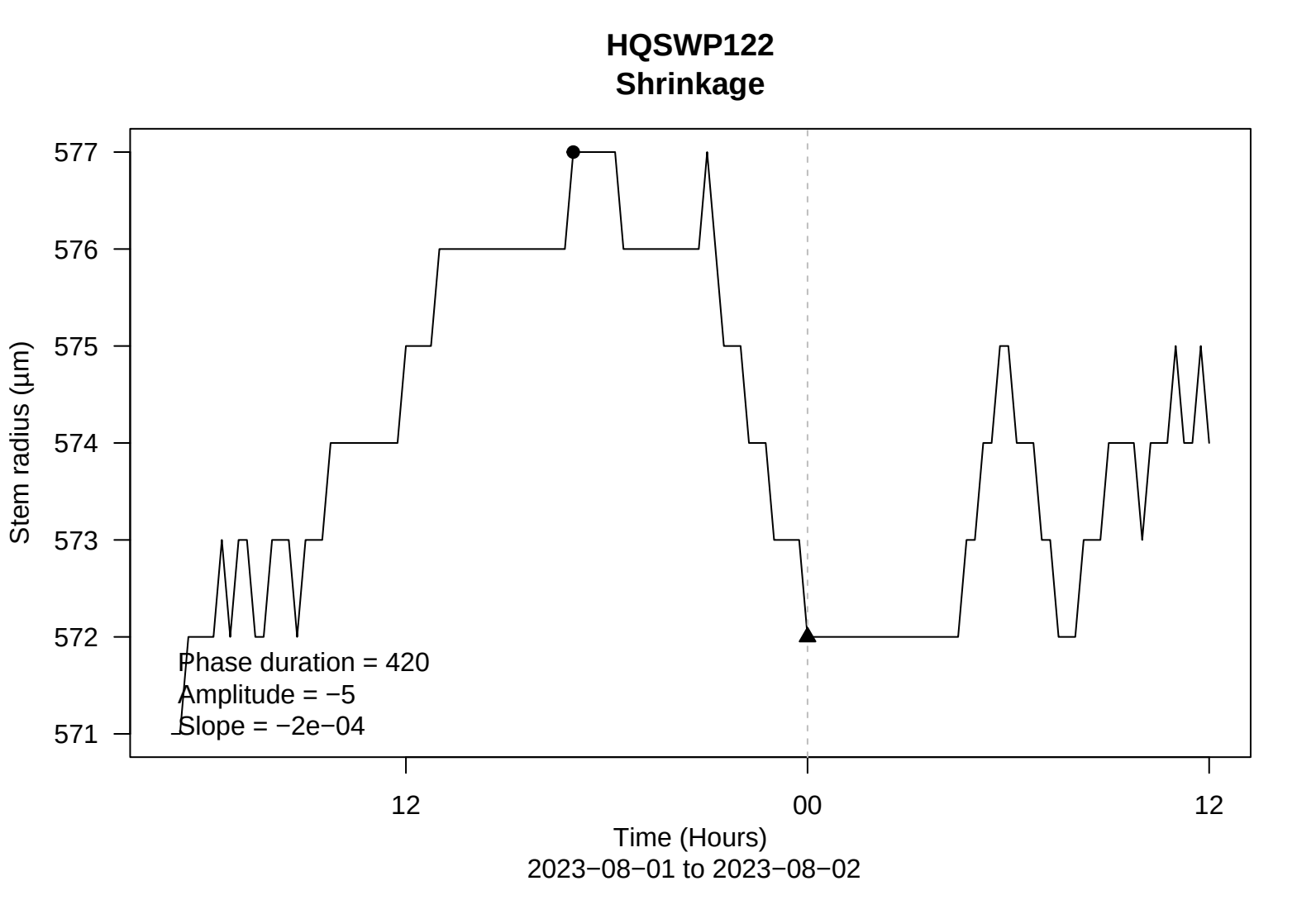

HQSWP122
Expansion
562
560
558
556
554
552
550
Stem radius (µm)
00
00
00
Time (Hours)
2023−07−27 to 2023−07−29
Phase duration = 2280
Amplitude = 12
Slope = 1e−04

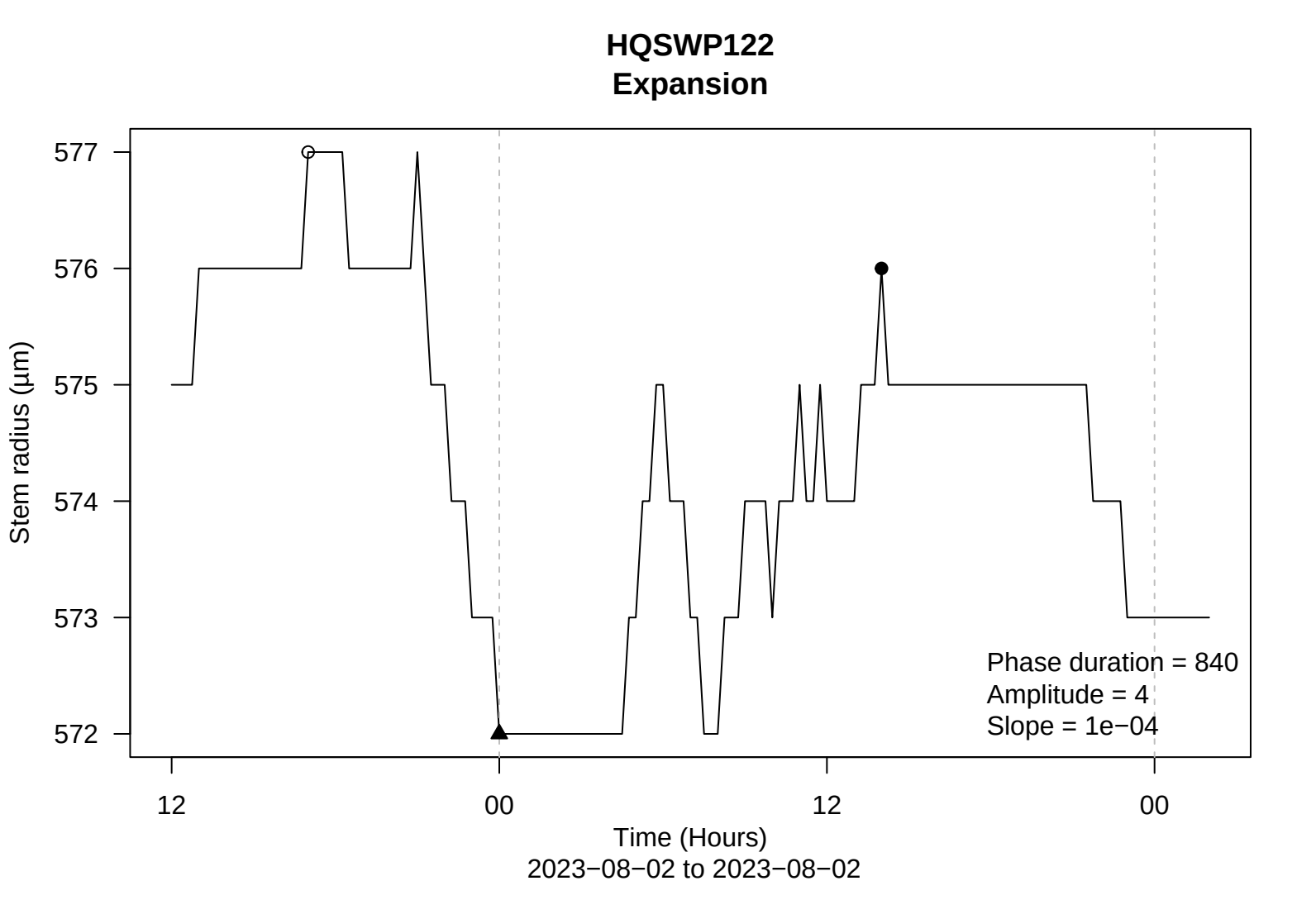

HQSWP122
Shrinkage
Stem radius (µm)
564
562
560
558
556
Phase duration = 795
Amplitude = −3
Slope = 0
00
12
00
12
Time (Hours)
2023−07−29 to 2023−07−30

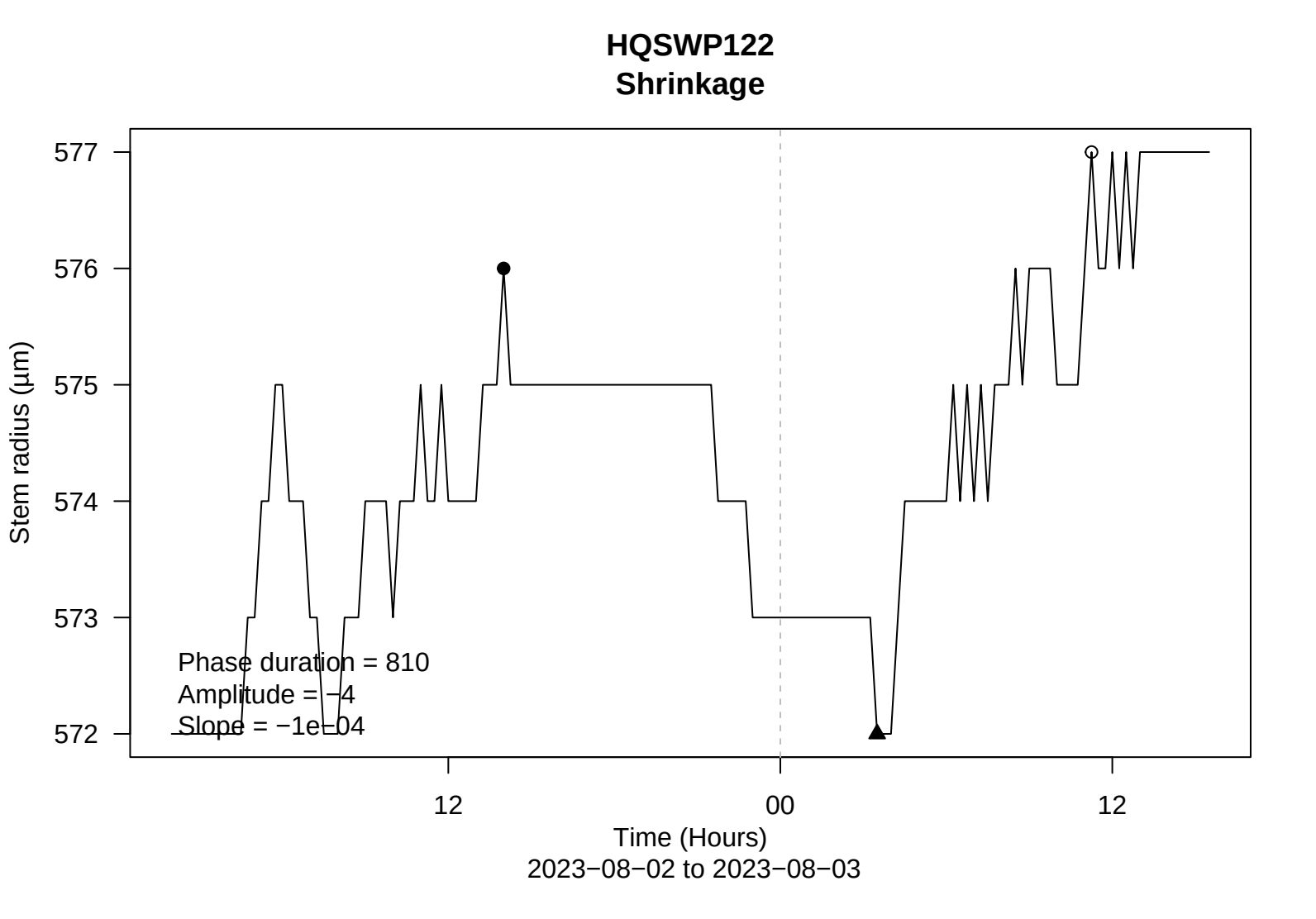

HQSWP122
Expansion
572
570
568
566
564
562
560
Stem radius (µm)
00
12
00
12
00
Time (Hours)
2023−07−30 to 2023−07−31
Phase duration = 2100
Amplitude = 13
Slope = 1e−04

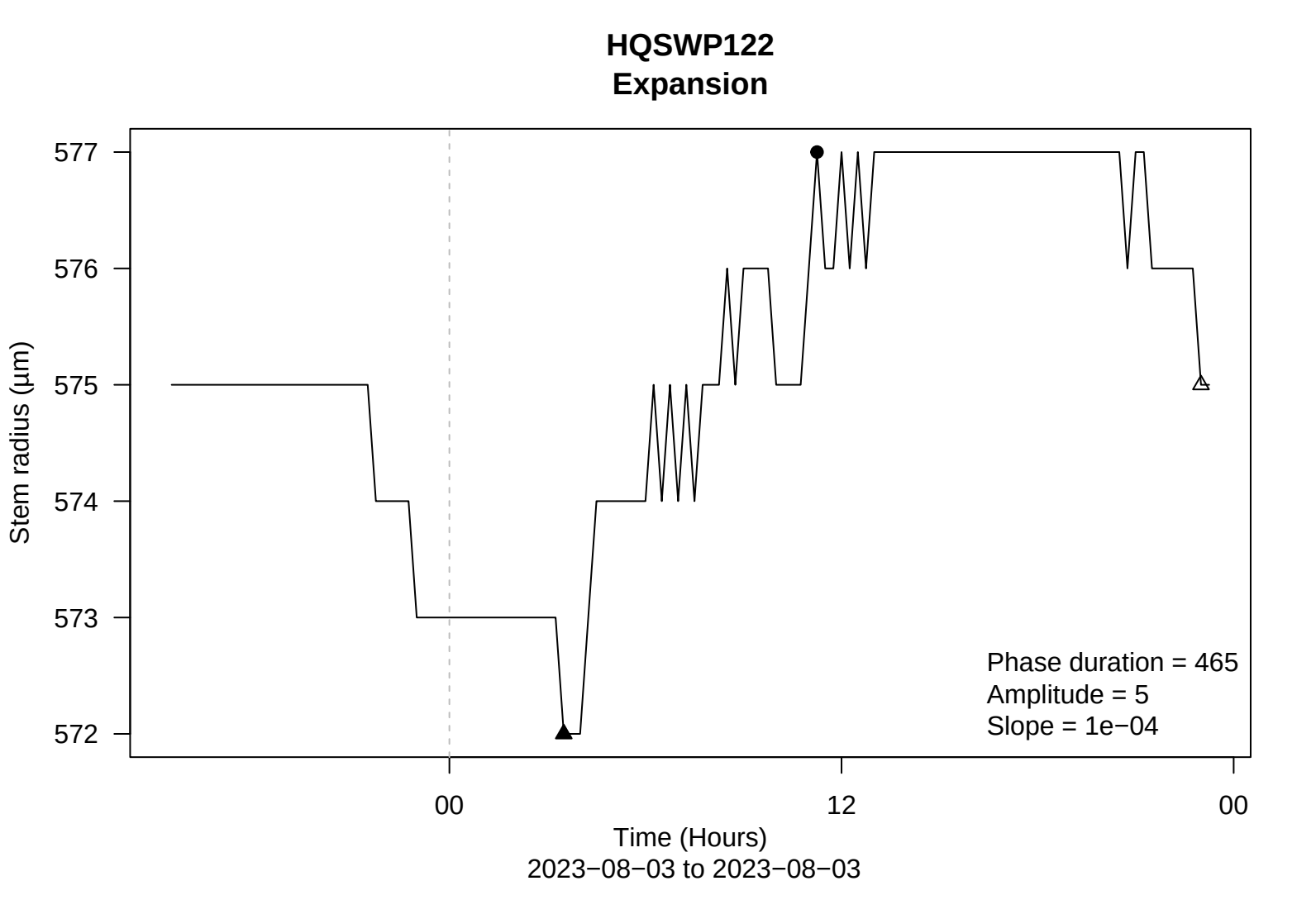

HQSWP122
Shrinkage
574
572
570
568
566
Stem radius (µm)
Phase duration = 600
Amplitude = −3
Slope = 0
12
00
12
Time (Hours)
2023−07−31 to 2023−07−31

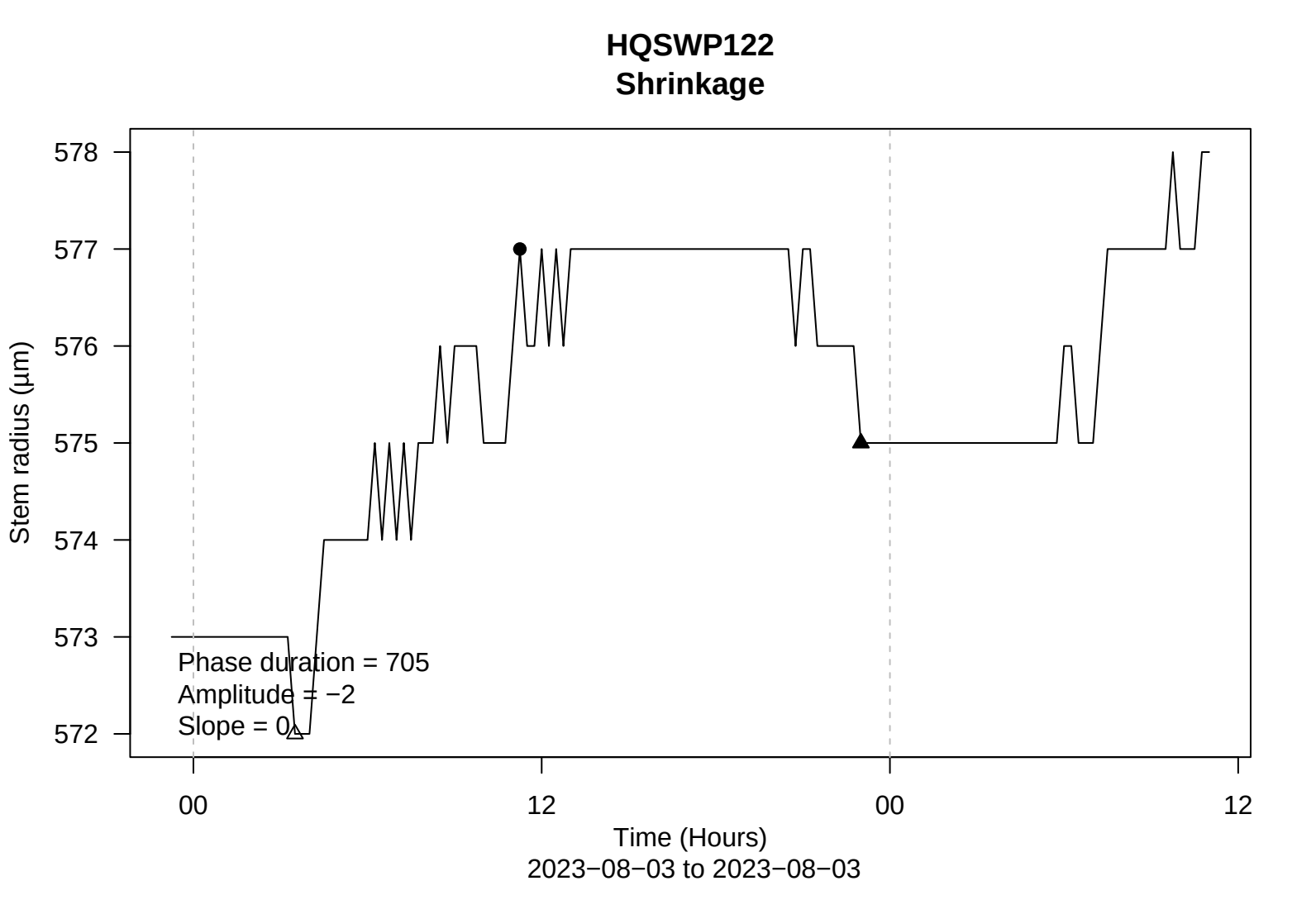

HQSWP122
Expansion
576
574
572
570
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−07−31 to 2023−08−01
Phase duration = 1050
Amplitude = 8
Slope = 1e−04

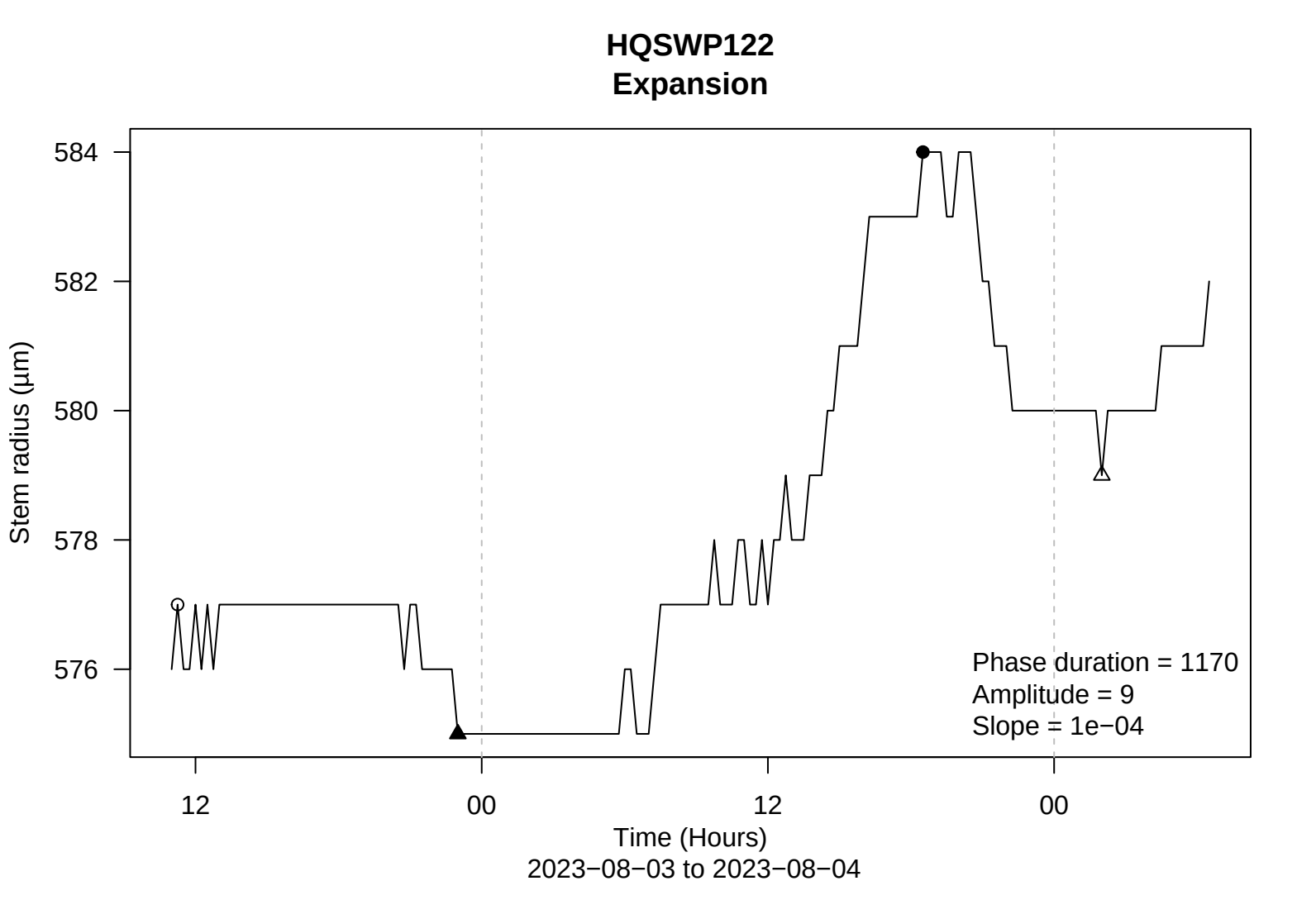

HQSWP122
Shrinkage
577
576
575
574
573
572
571
Stem radius (µm)
Phase duration = 420
Amplitude = −5
Slope = −2e−04
12
00
12
Time (Hours)
2023−08−01 to 2023−08−02

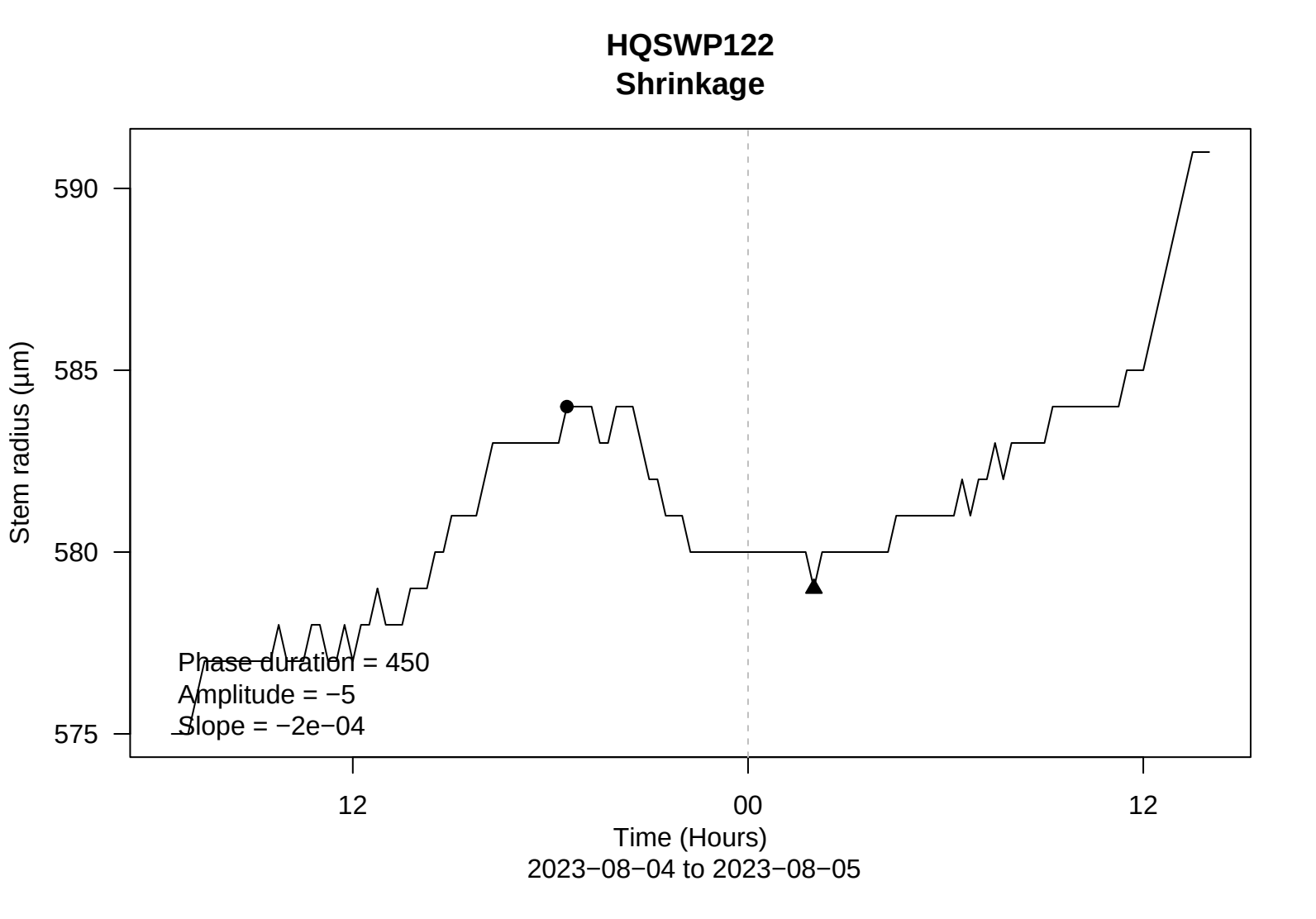

HQSWP122
Expansion
577
576
575
574
573
572
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−08−02 to 2023−08−02
Phase duration = 840
Amplitude = 4
Slope = 1e−04

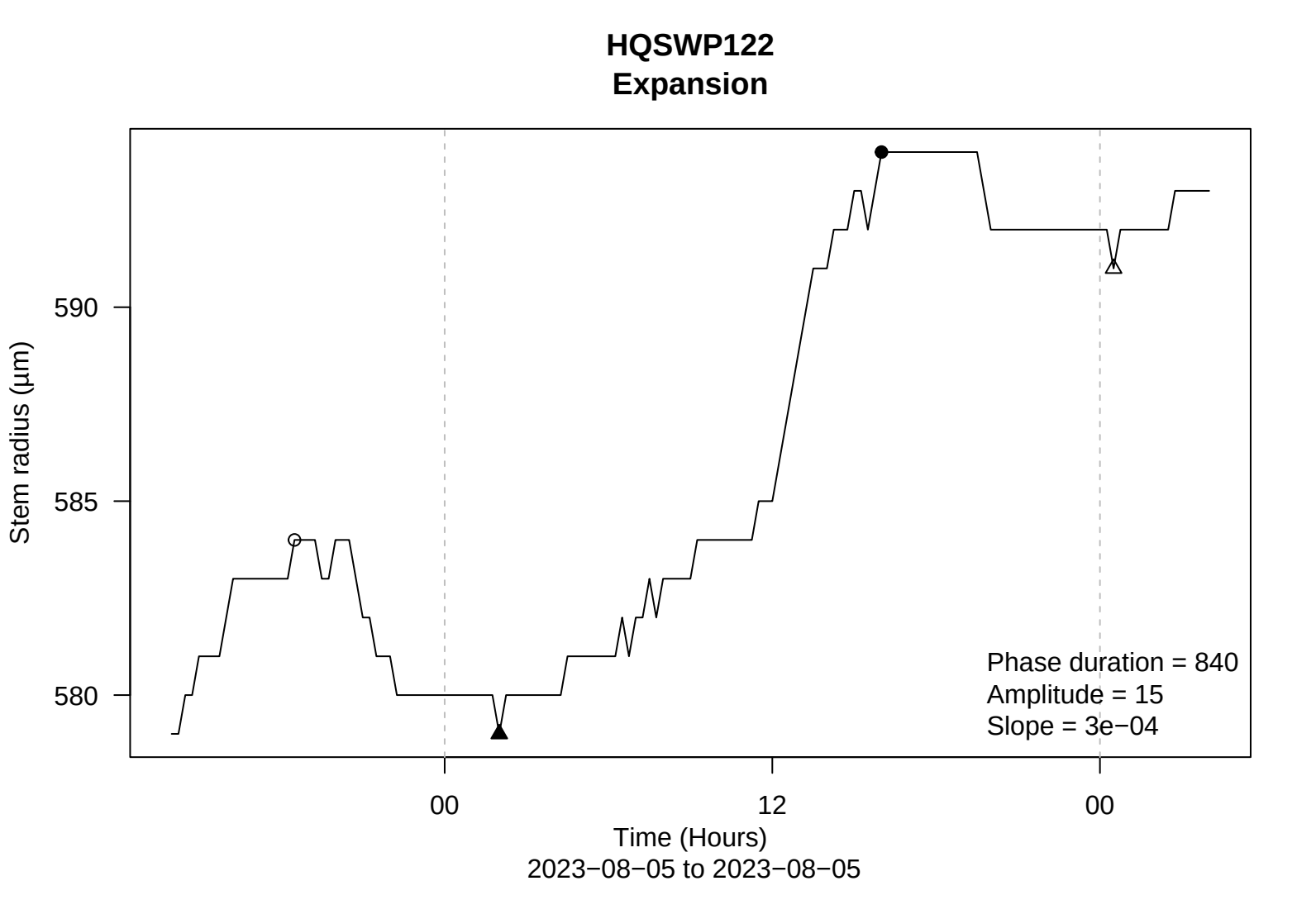

HQSWP122
Shrinkage
577
576
575
574
573
572
Stem radius (µm)
Phase duration = 810
Amplitude = −4
Slope = −1e−04
12
00
12
Time (Hours)
2023−08−02 to 2023−08−03

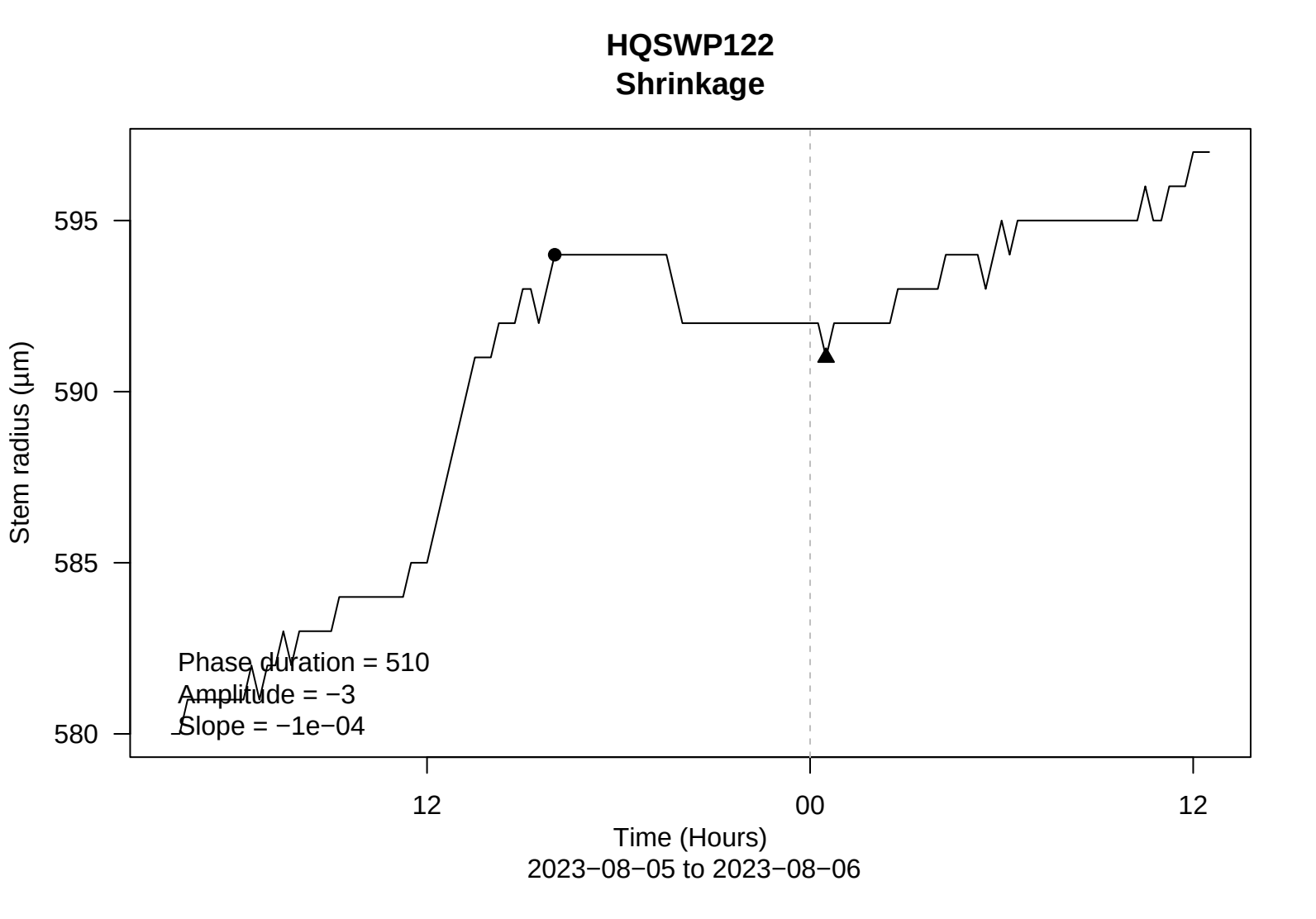

HQSWP122
Expansion
577
576
575
574
573
572
Stem radius (µm)
00
12
00
Time (Hours)
2023−08−03 to 2023−08−03
Phase duration = 465
Amplitude = 5
Slope = 1e−04

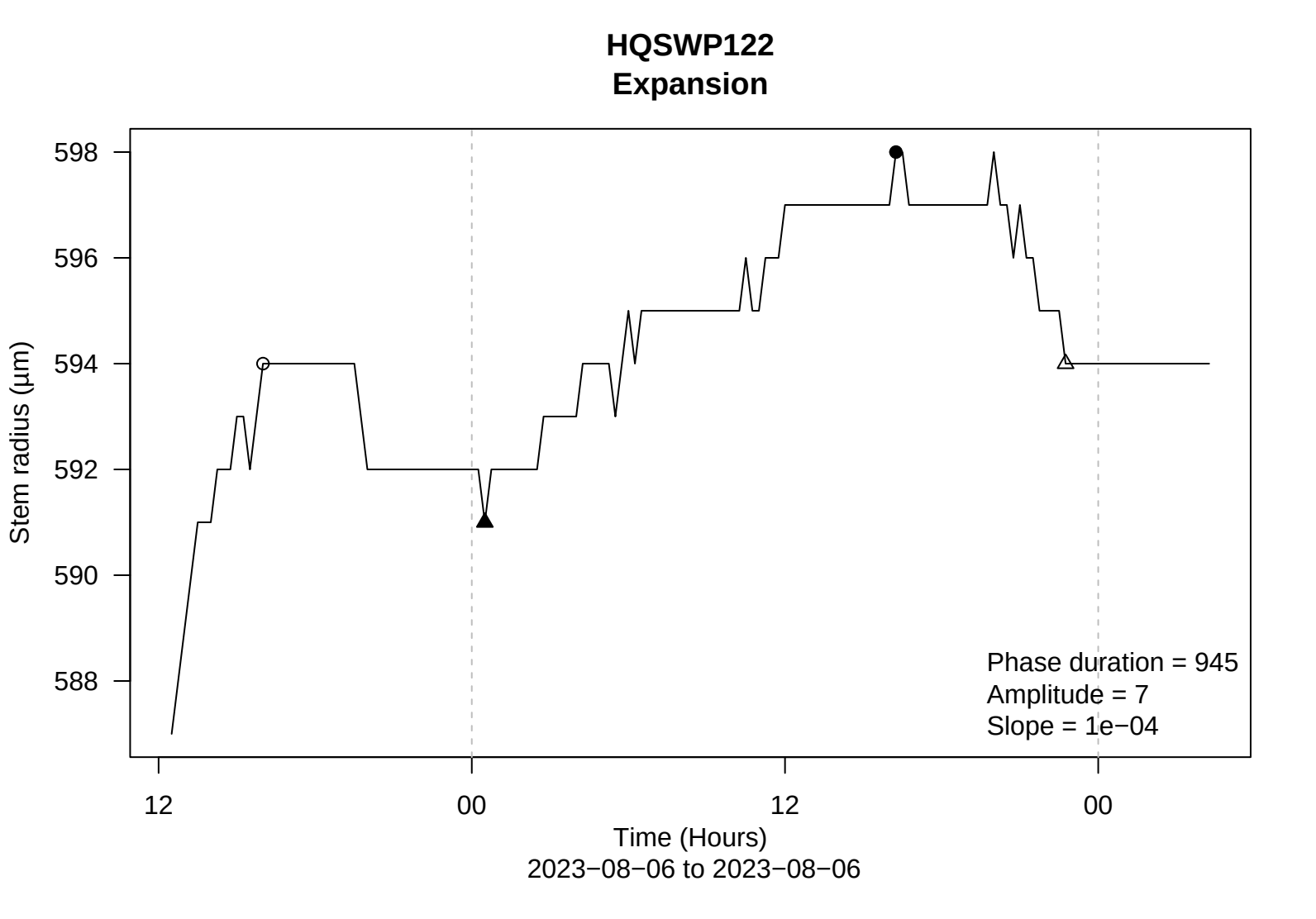

HQSWP122
Shrinkage
578
577
576
575
574
573
572
Stem radius (µm)
Phase duration = 705
Amplitude = −2
Slope = 0
00
12
00
12
Time (Hours)
2023−08−03 to 2023−08−03

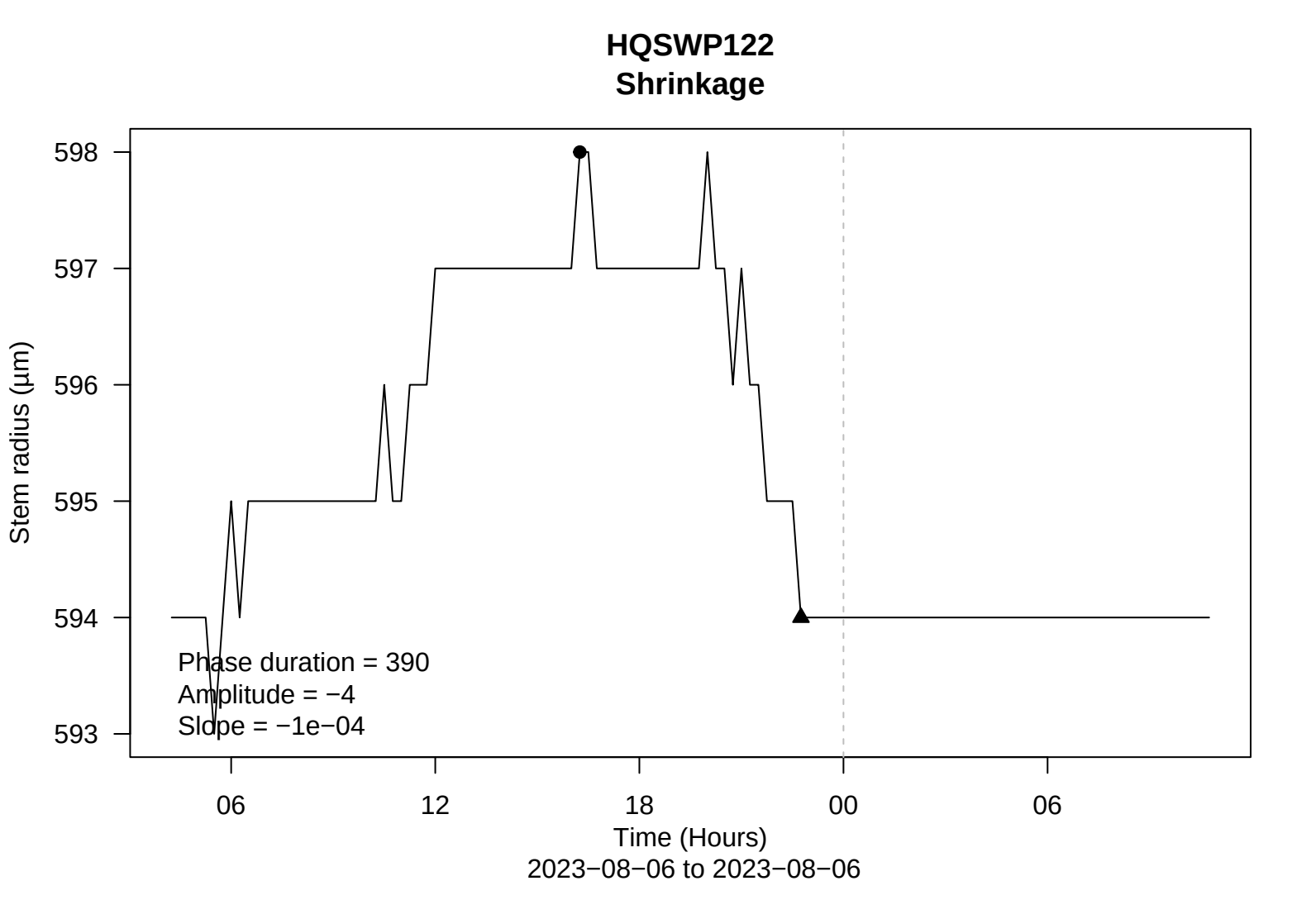

HQSWP122
Expansion
584
582
580
578
576
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−08−03 to 2023−08−04
Phase duration = 1170
Amplitude = 9
Slope = 1e−04

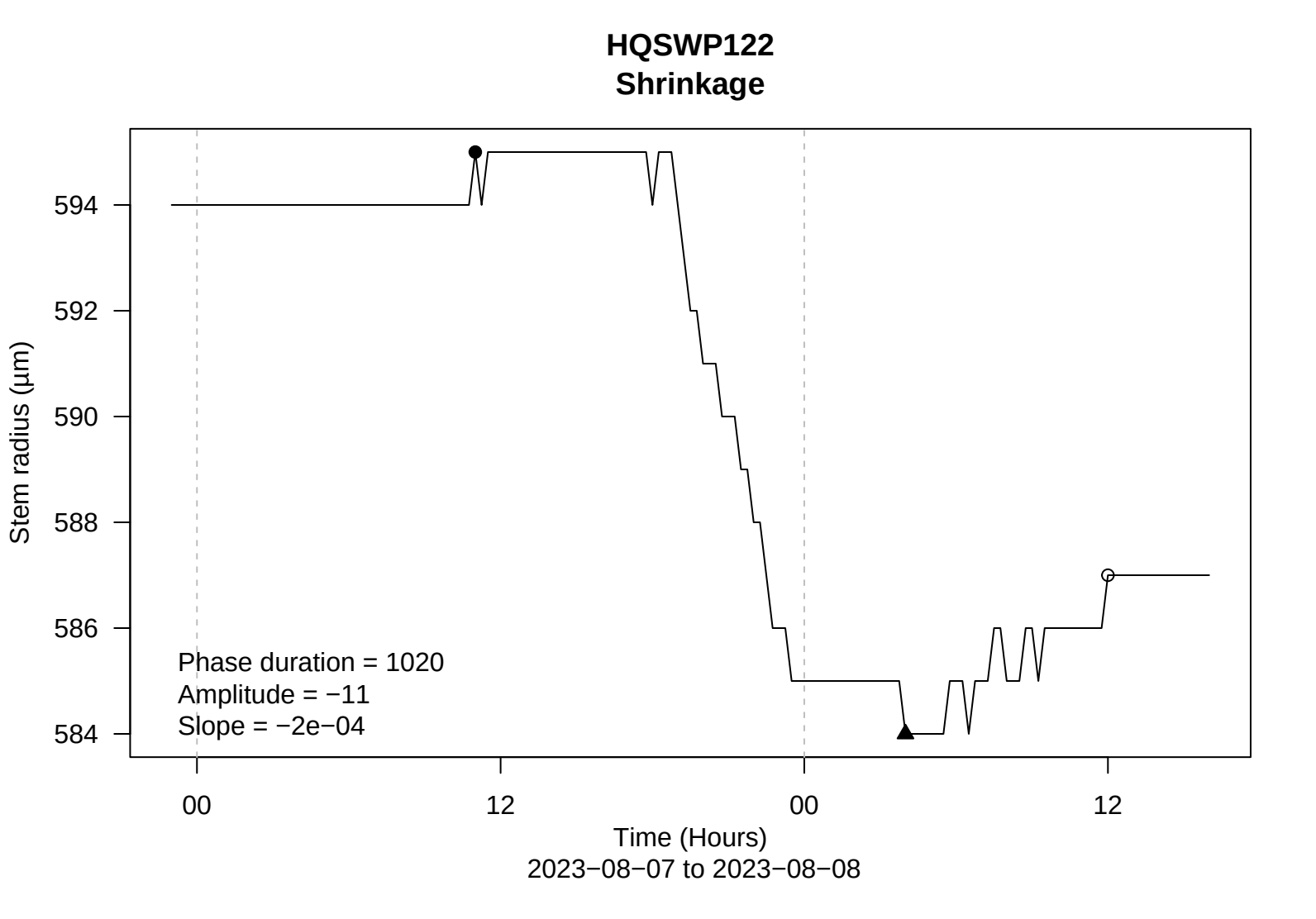

HQSWP122
Shrinkage
590
585
580
575
Stem radius (µm)
Phase duration = 450
Amplitude = −5
Slope = −2e−04
12
00
12
Time (Hours)
2023−08−04 to 2023−08−05

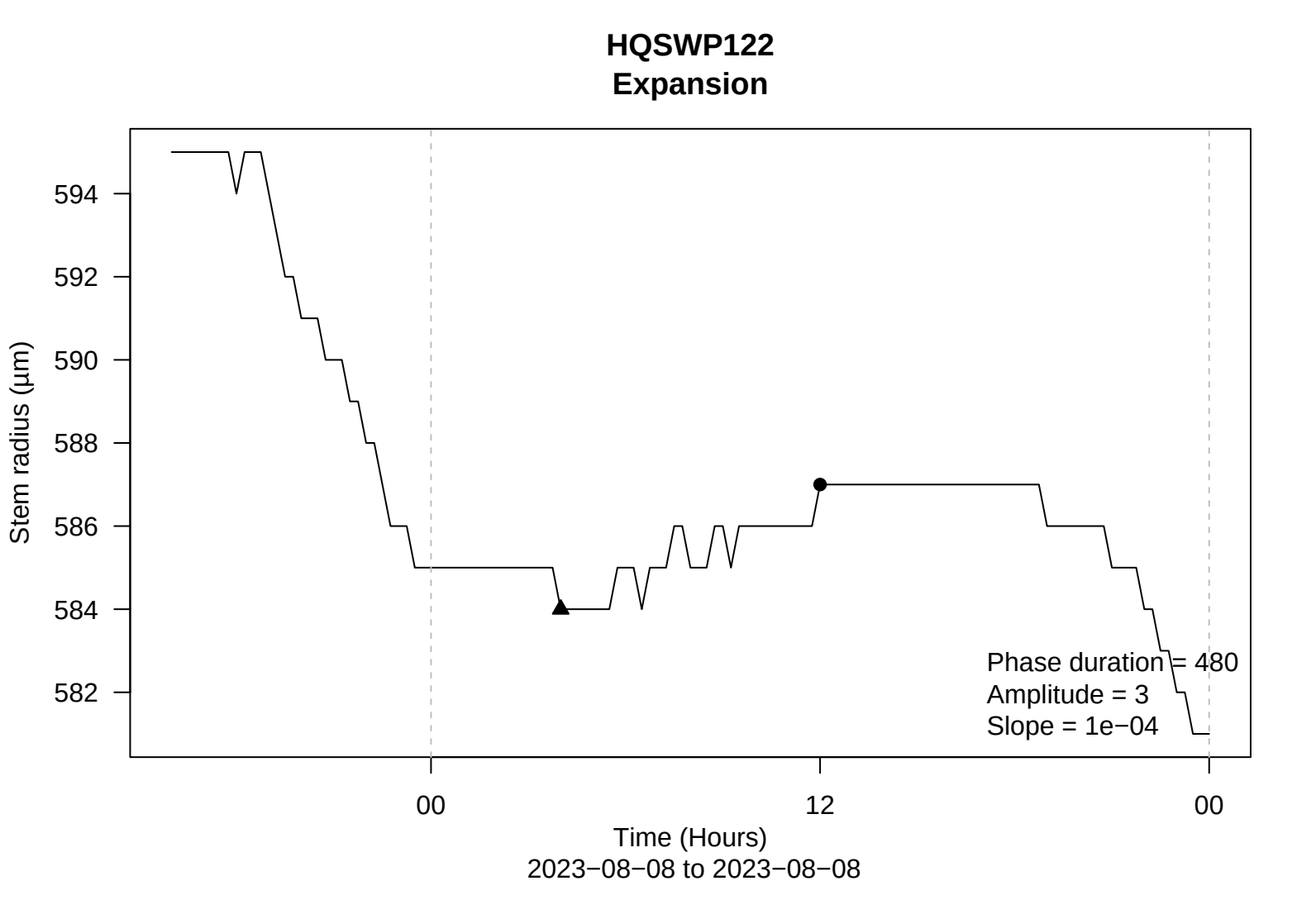

HQSWP122
Expansion
590
585
580
Stem radius (µm)
00
12
00
Time (Hours)
2023−08−05 to 2023−08−05
Phase duration = 840
Amplitude = 15
Slope = 3e−04

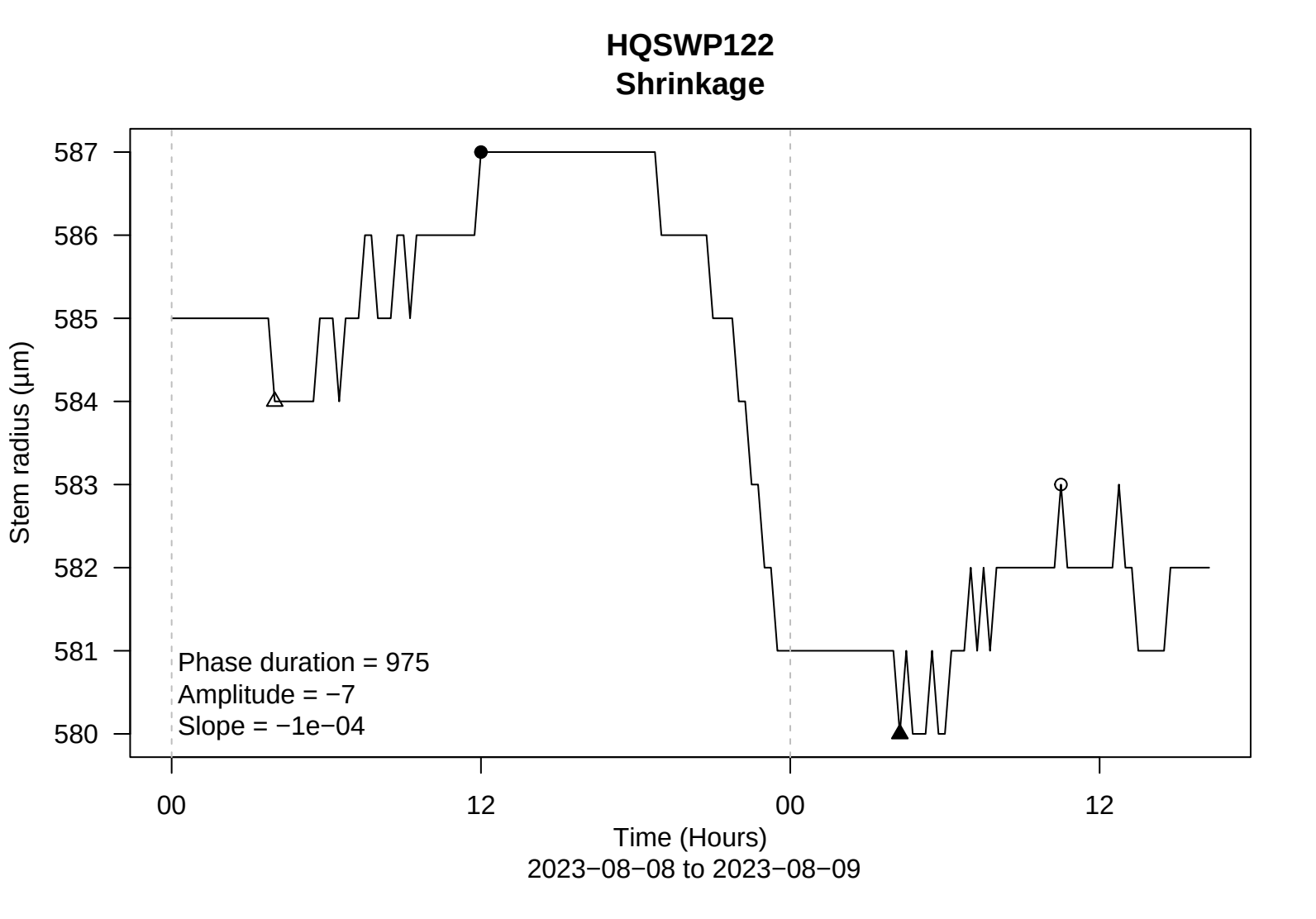

HQSWP122
Shrinkage
595
590
585
580
Stem radius (µm)
Phase duration = 510
Amplitude = −3
Slope = −1e−04
12
00
12
Time (Hours)
2023−08−05 to 2023−08−06

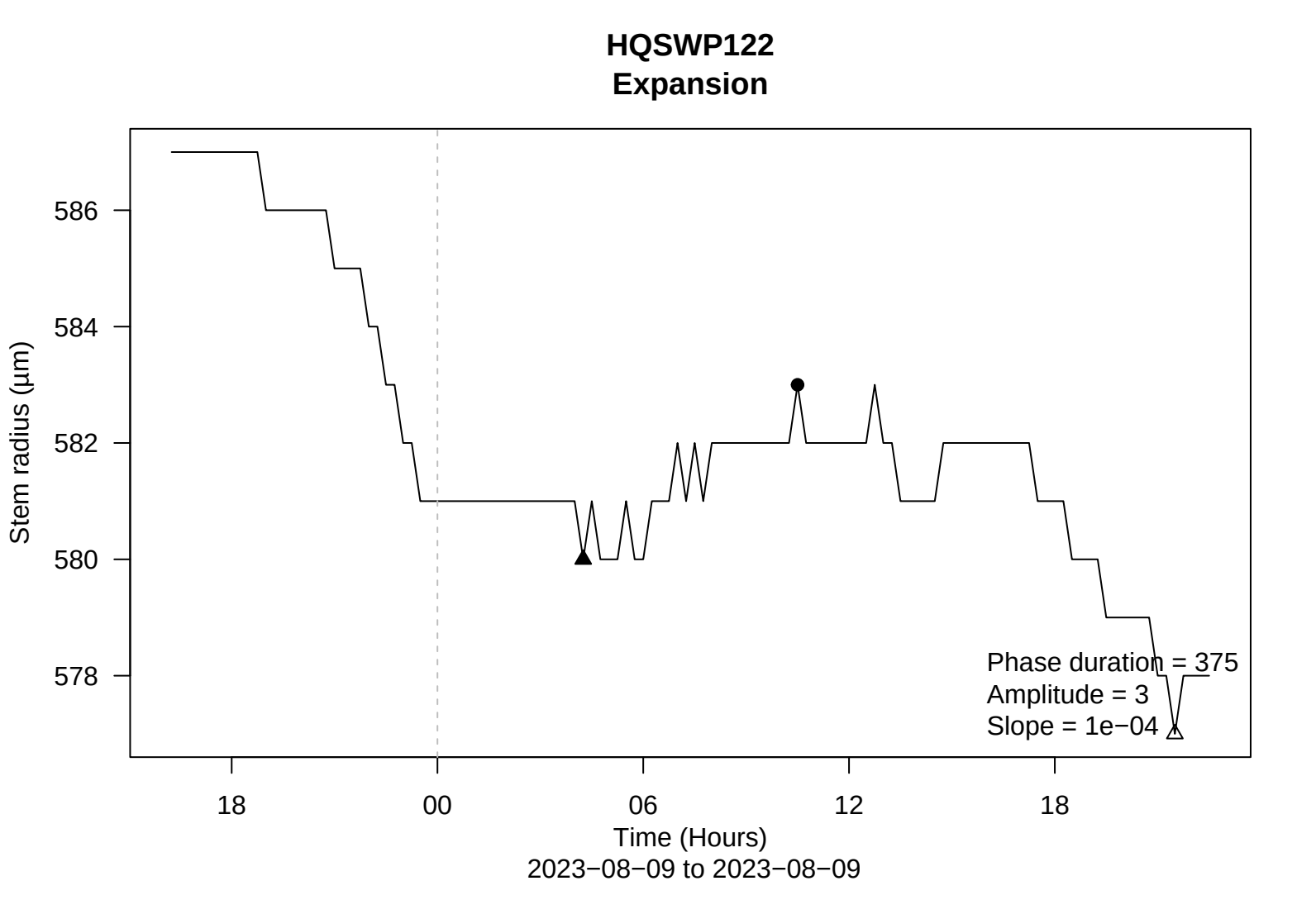

HQSWP122
Expansion
598
596
594
592
590
588
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−08−06 to 2023−08−06
Phase duration = 945
Amplitude = 7
Slope = 1e−04

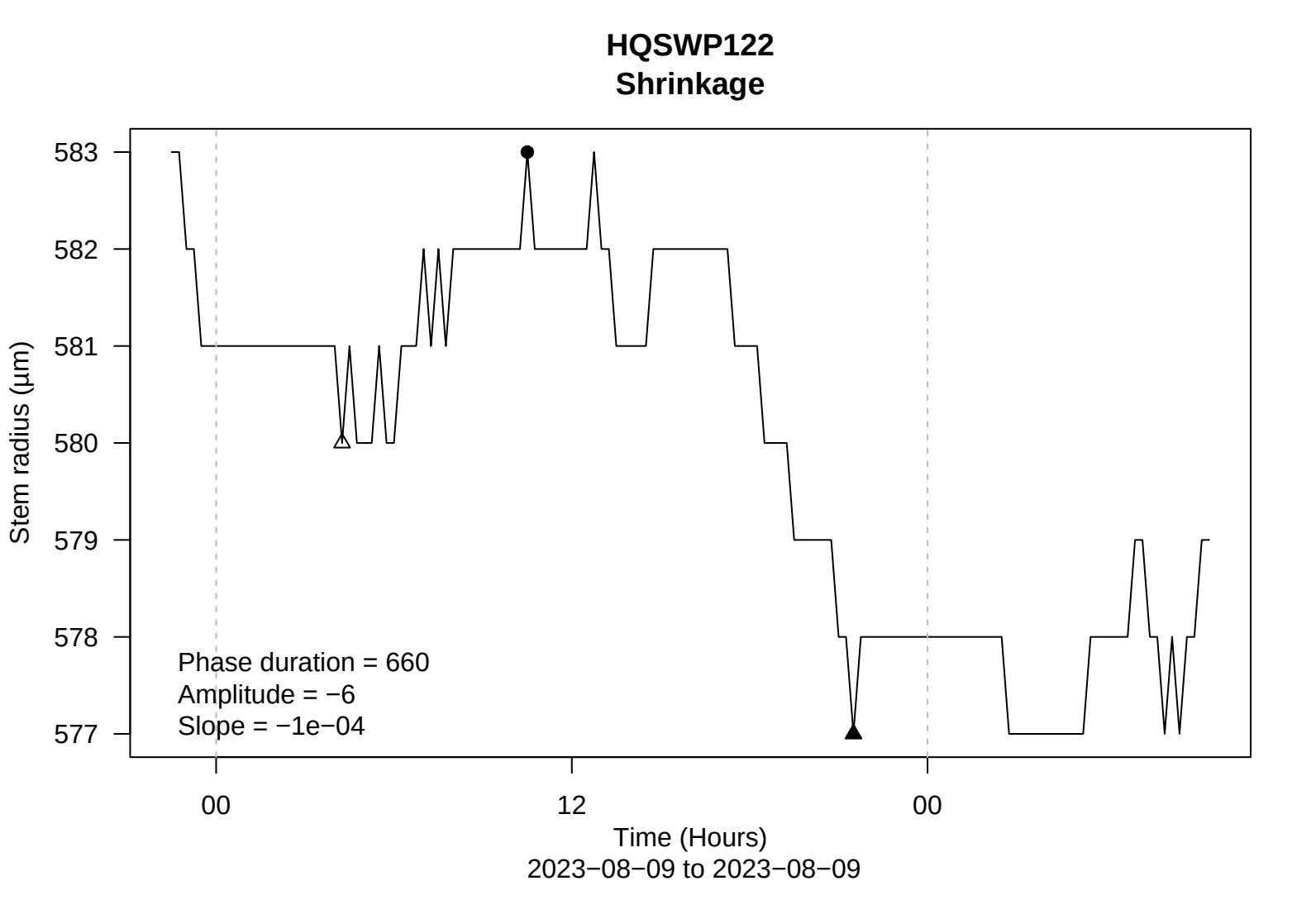

HQSWP122
Shrinkage
598
597
596
595
594
593
Stem radius (µm)
Phase duration = 390
Amplitude = −4
Slope = −1e−04
06
12
18
00
06
Time (Hours)
2023−08−06 to 2023−08−06

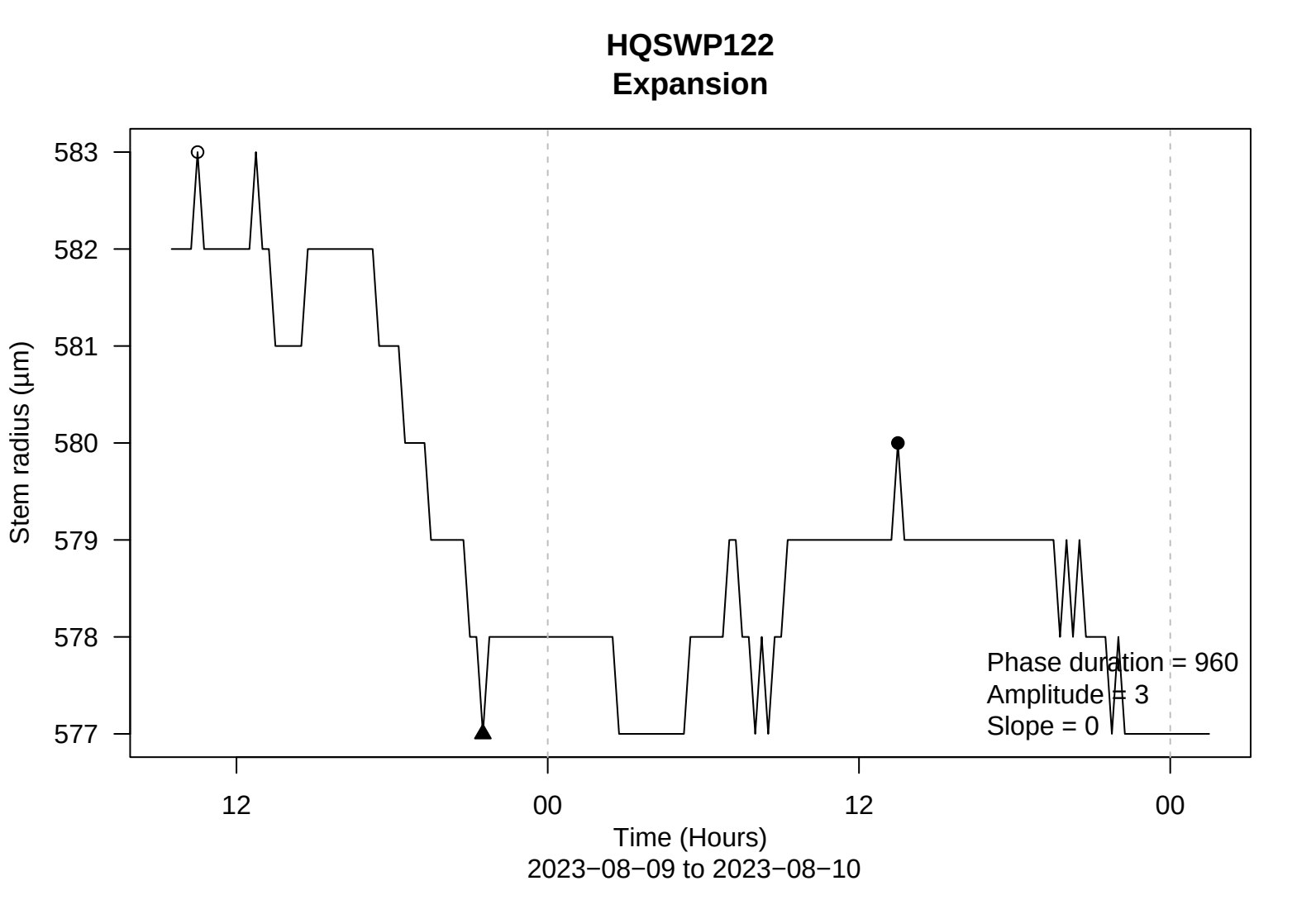

HQSWP122
Shrinkage
Stem radius (µm)
594
592
590
588
586
584
Phase duration = 1020
Amplitude = −11
Slope = −2e−04
00
12
00
12
Time (Hours)
2023−08−07 to 2023−08−08

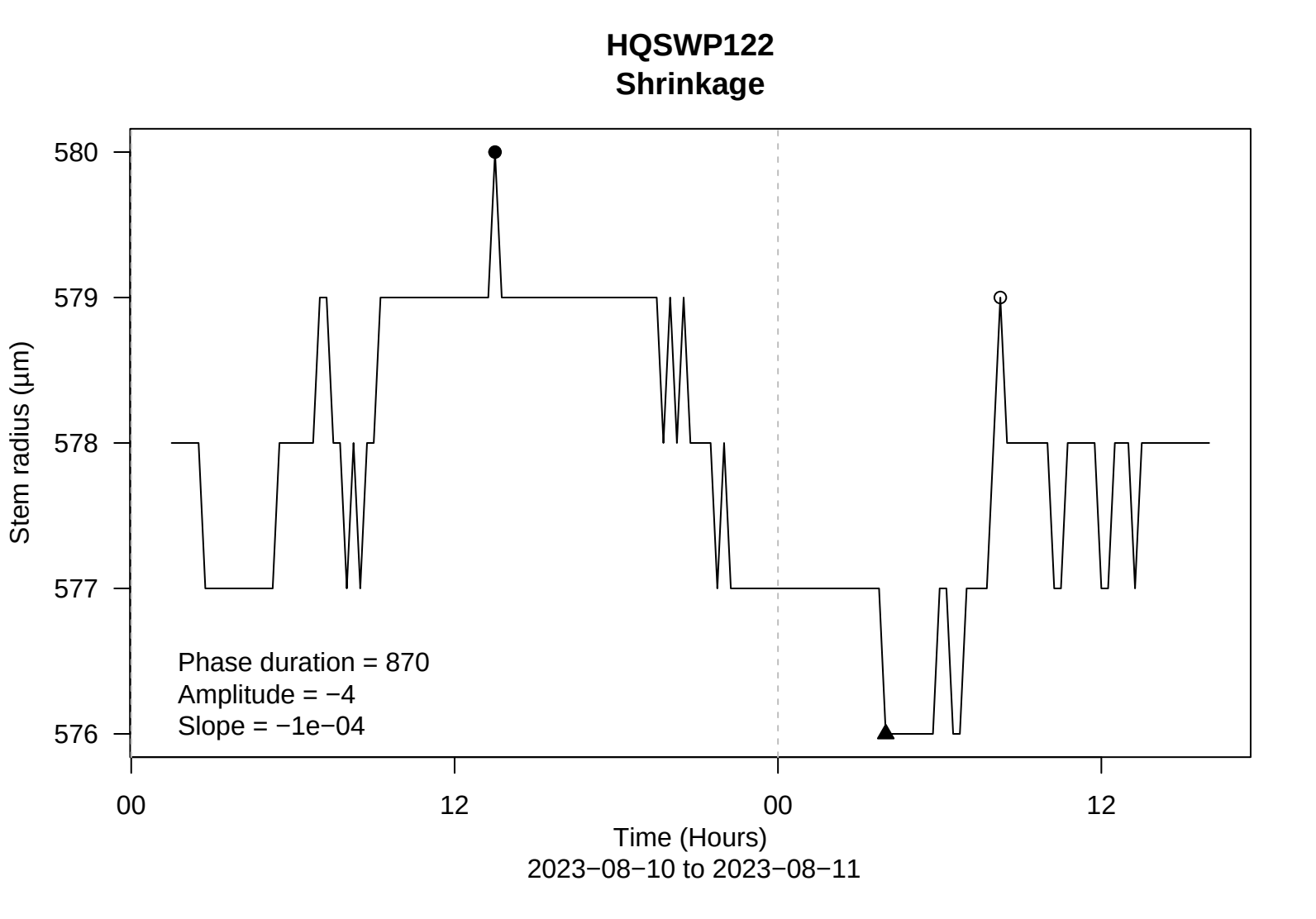

HQSWP122
Expansion
Stem radius (µm)
594
592
590
588
586
584
582
00
12
00
Time (Hours)
2023−08−08 to 2023−08−08
Phase duration = 480
Amplitude = 3
Slope = 1e−04

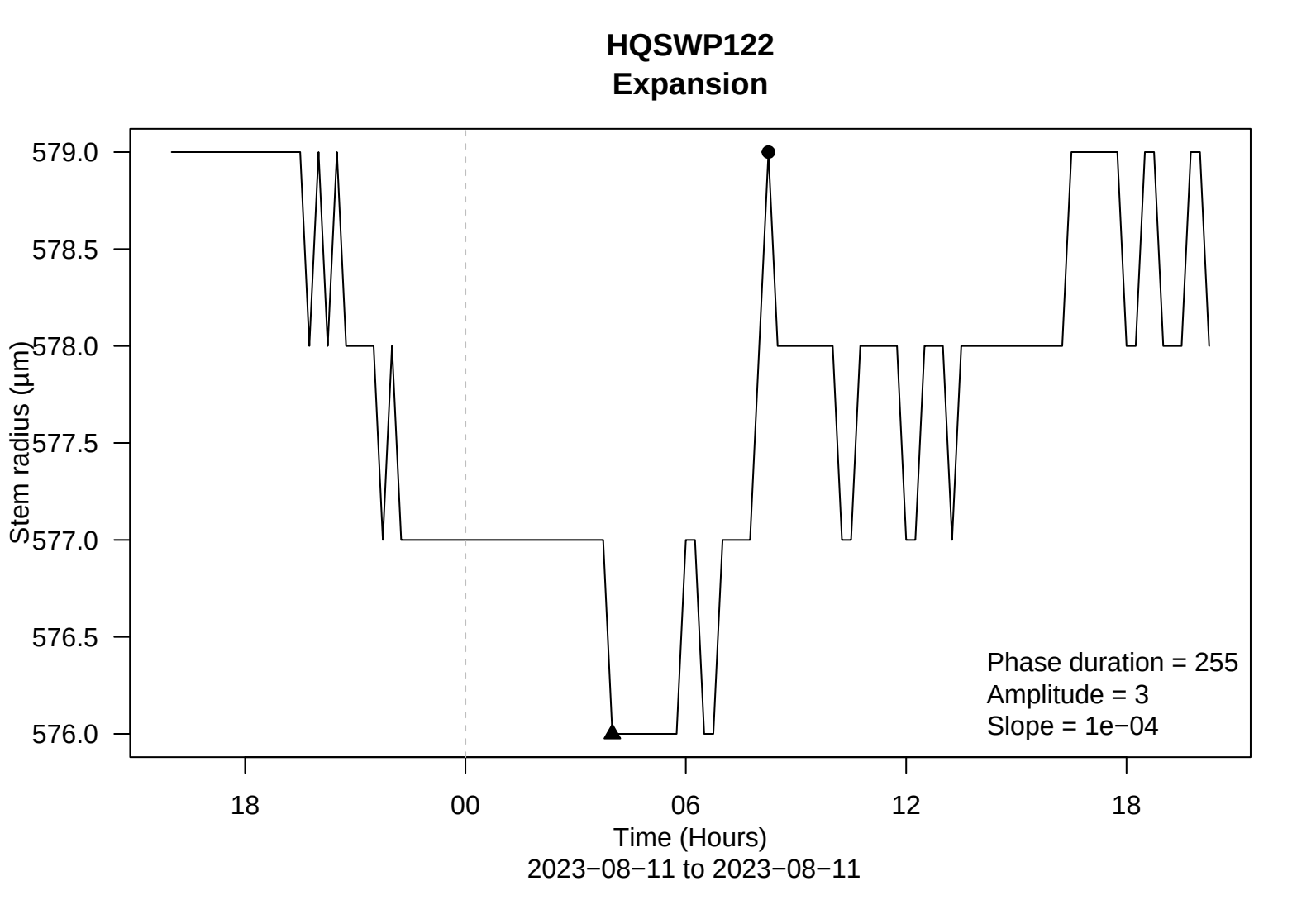

HQSWP122
Shrinkage
587
586
585
584
583
582
581
580
Stem radius (µm)
Phase duration = 975
Amplitude = −7
Slope = −1e−04
00
12
00
12
Time (Hours)
2023−08−08 to 2023−08−09

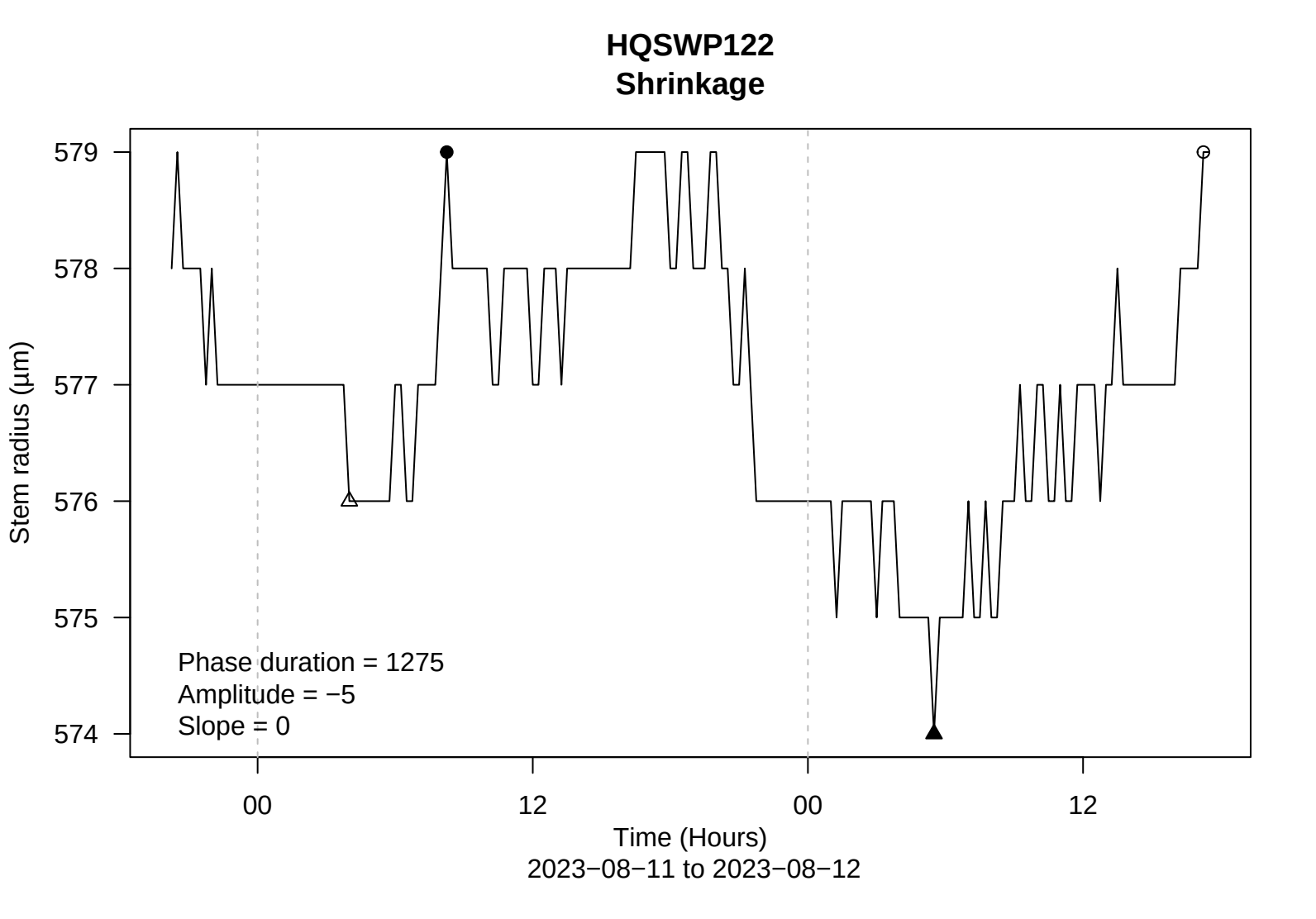

HQSWP122
Expansion
Stem radius (µm)
586
584
582
580
578
18
00
06
12
18
Time (Hours)
2023−08−09 to 2023−08−09
Phase duration = 375
Amplitude = 3
Slope = 1e−04

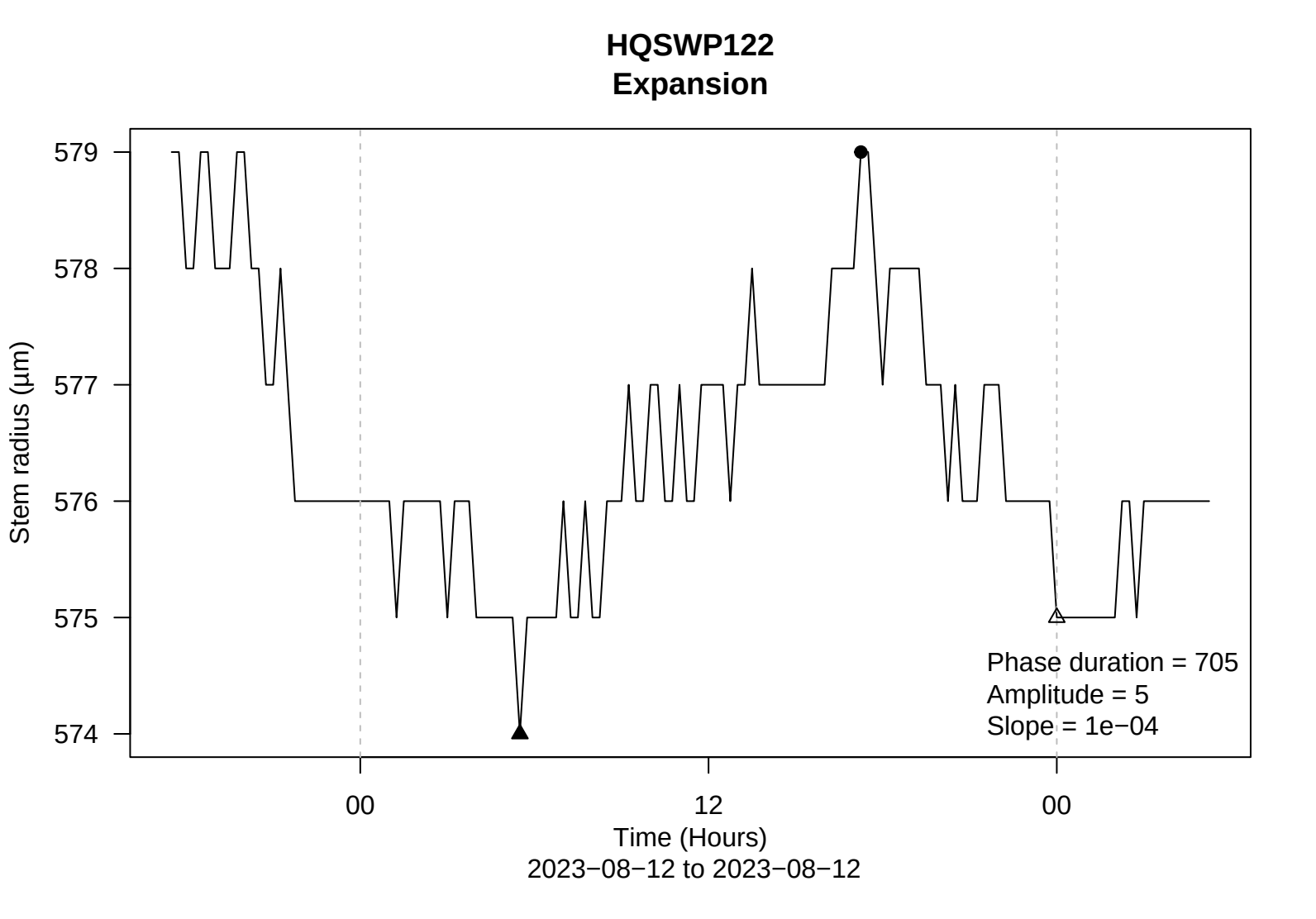

HQSWP122
Shrinkage
583
582
581
580
579
578
577
Stem radius (µm)
Phase duration = 660
Amplitude = −6
Slope = −1e−04
00
12
00
Time (Hours)
2023−08−09 to 2023−08−09

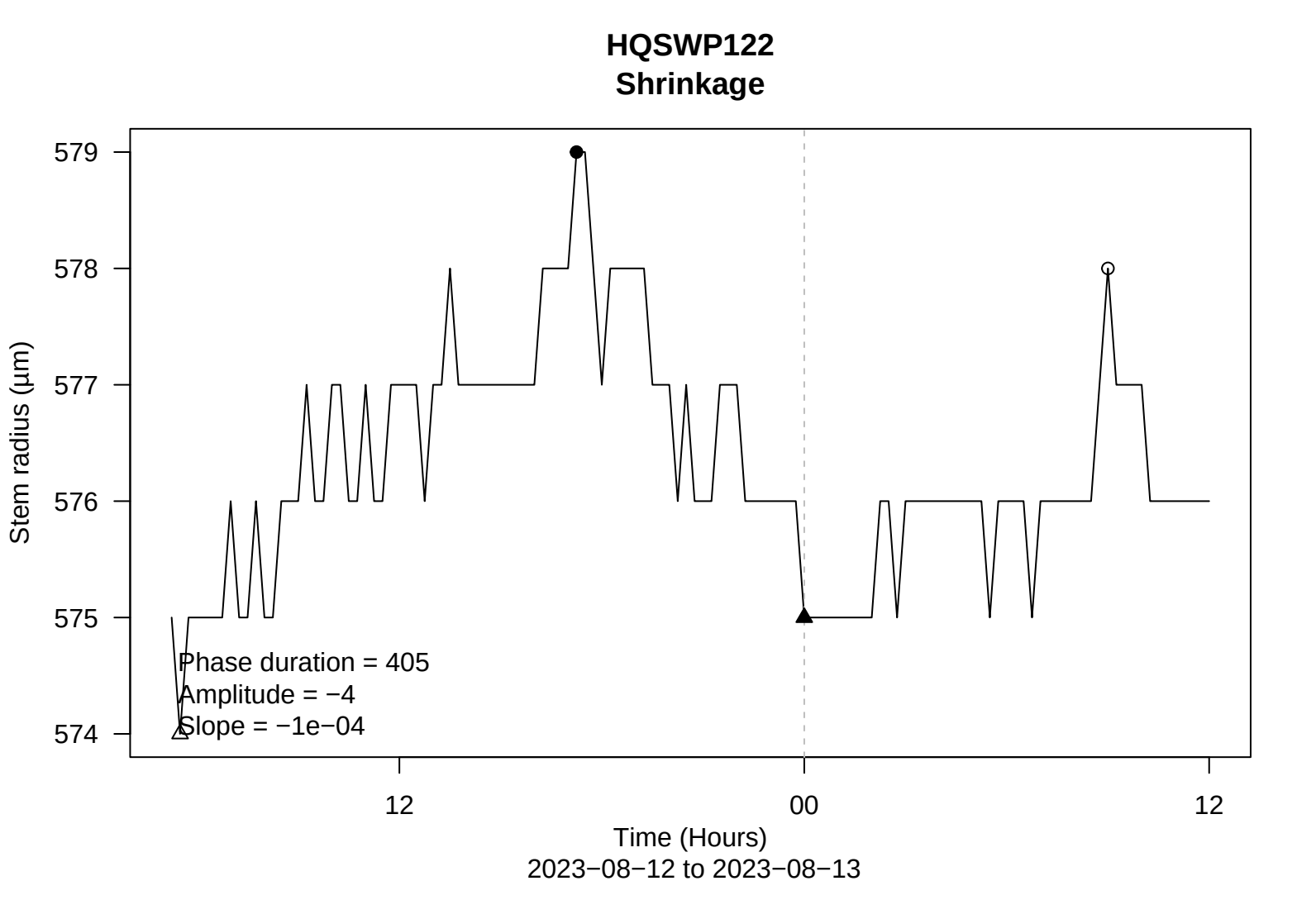

HQSWP122
Expansion
583
582
581
580
579
578
577
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−08−09 to 2023−08−10
Phase duration = 960
Amplitude = 3
Slope = 0

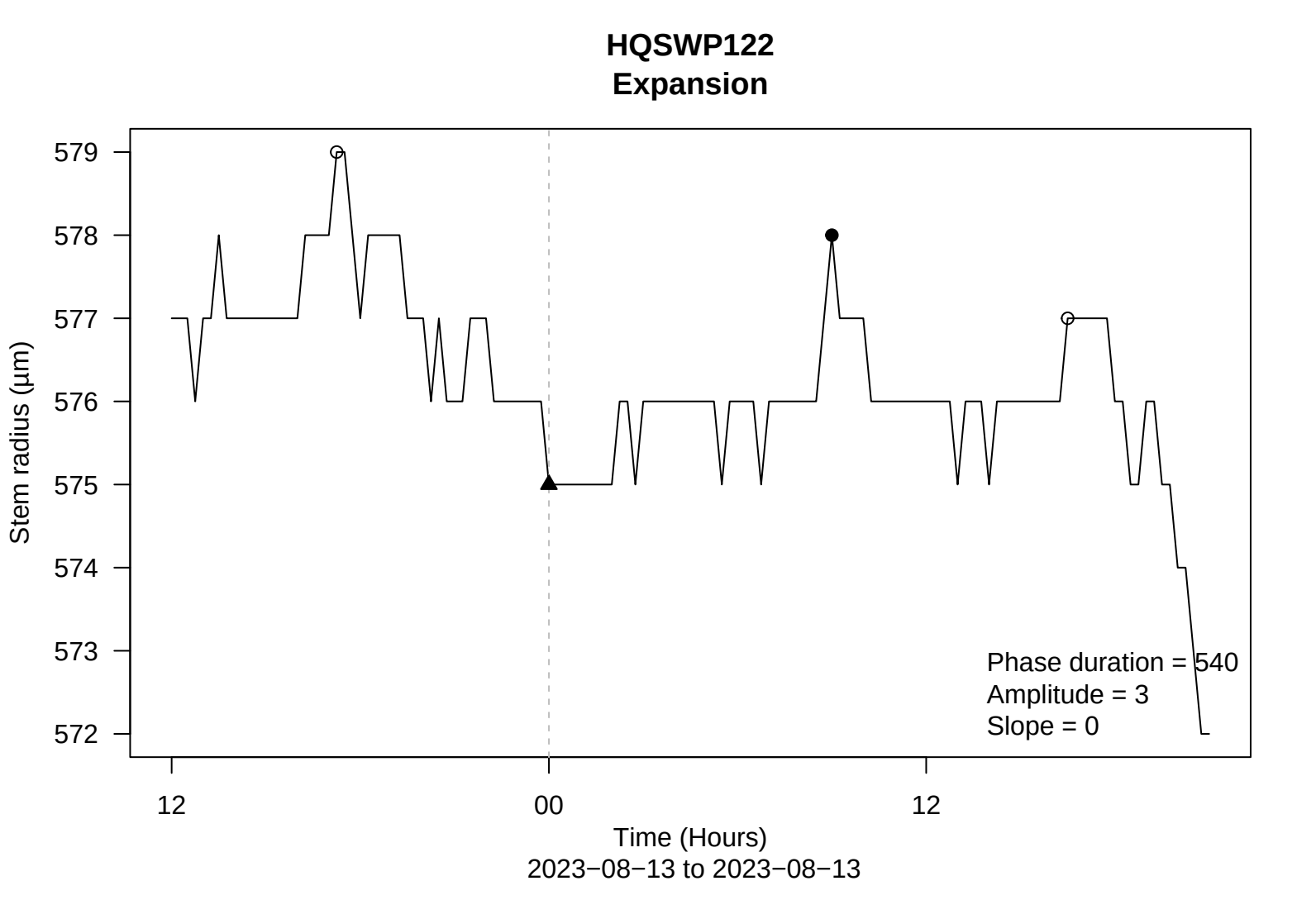

HQSWP122
Shrinkage
580
579
578
577
576
Stem radius (µm)
Phase duration = 870
Amplitude = −4
Slope = −1e−04
00
12
00
12
Time (Hours)
2023−08−10 to 2023−08−11

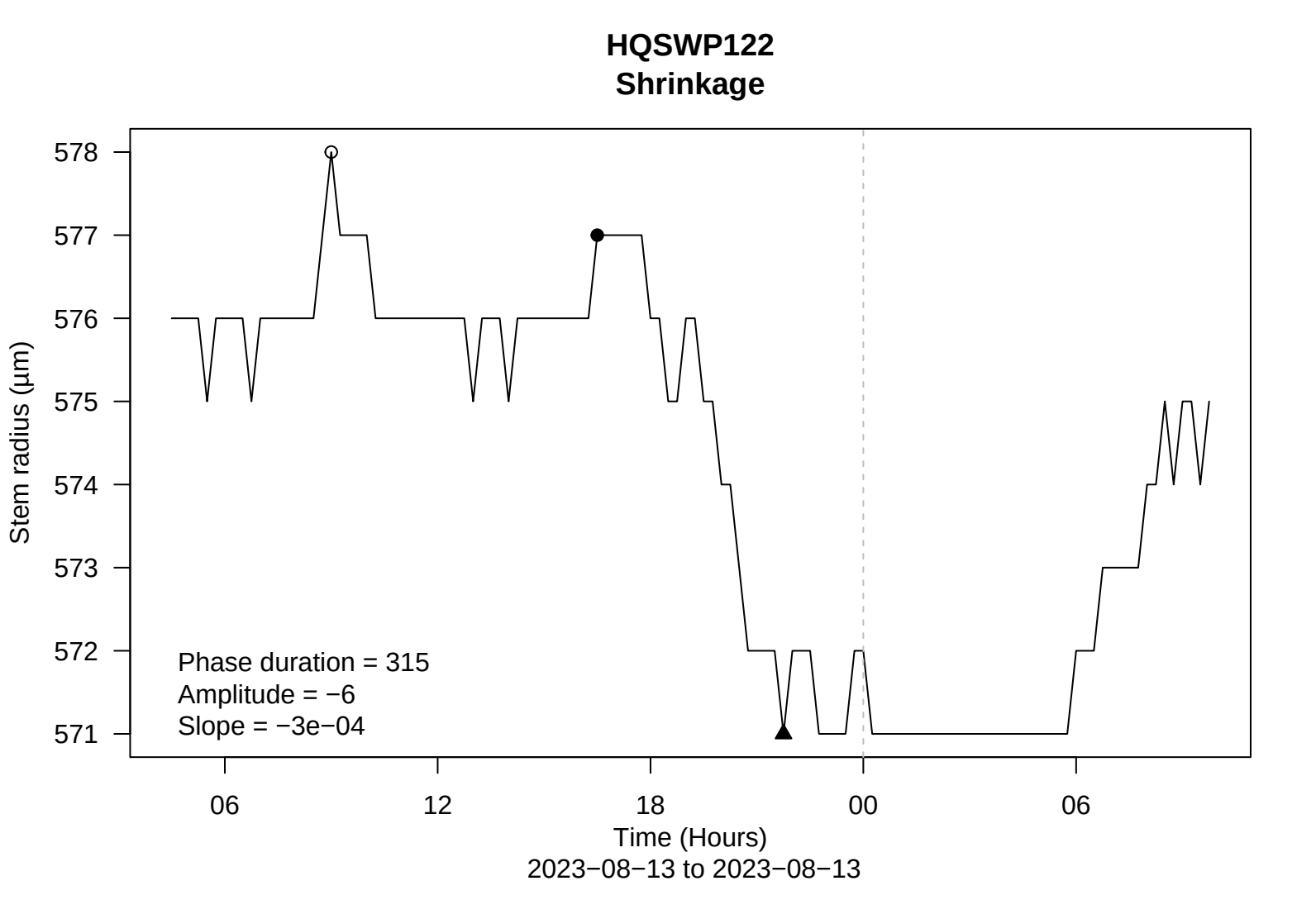

HQSWP122
Expansion
579.0
578.5
578.0
577.5
577.0
576.5
576.0
Stem radius (µm)
Phase duration = 255
Amplitude = 3
Slope = 1e−04
18
00
06
12
18
Time (Hours)
2023−08−11 to 2023−08−11

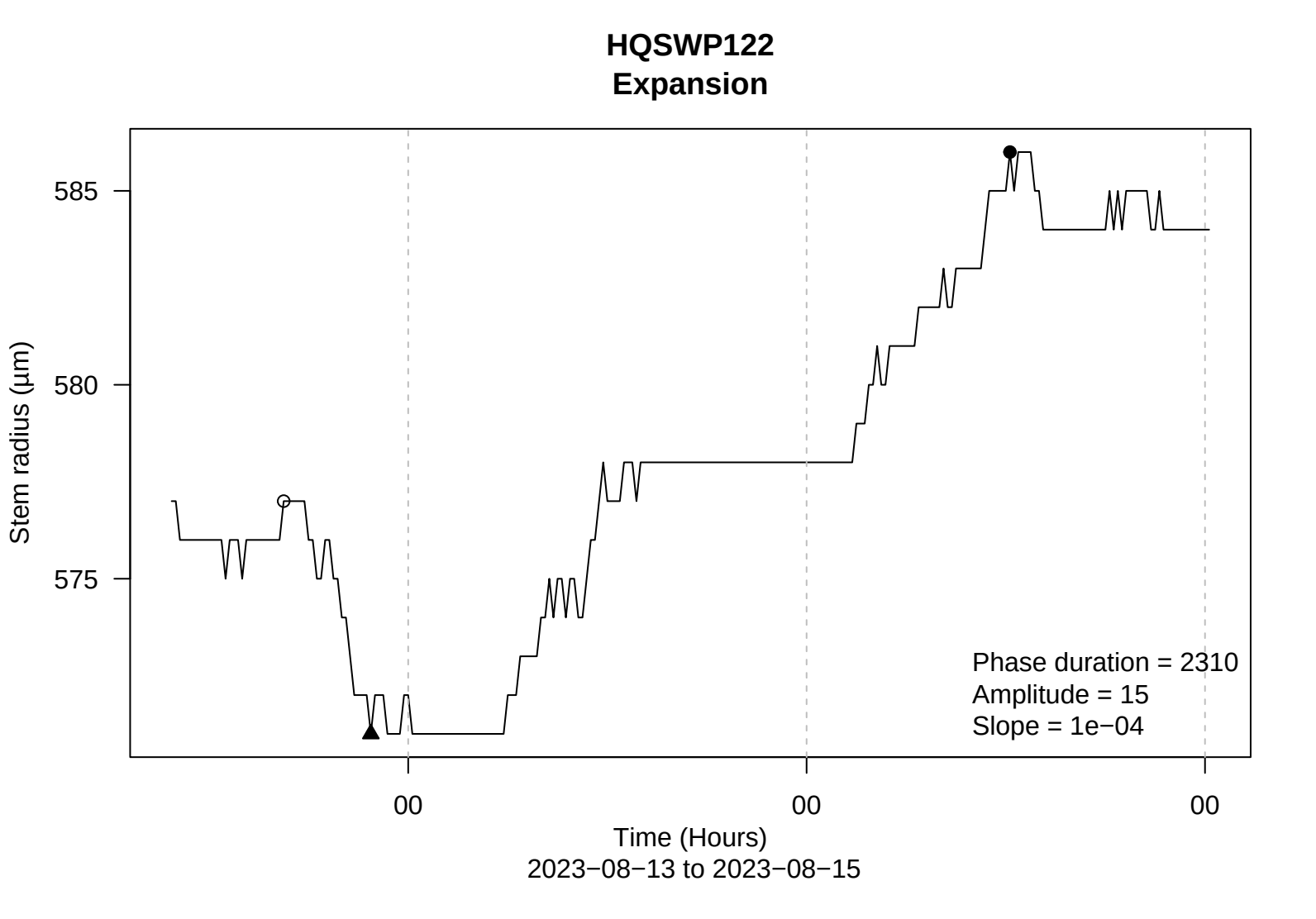

HQSWP122
Shrinkage
579
578
577
576
575
574
Stem radius (µm)
Phase duration = 1275
Amplitude = −5
Slope = 0
00
12
00
12
Time (Hours)
2023−08−11 to 2023−08−12

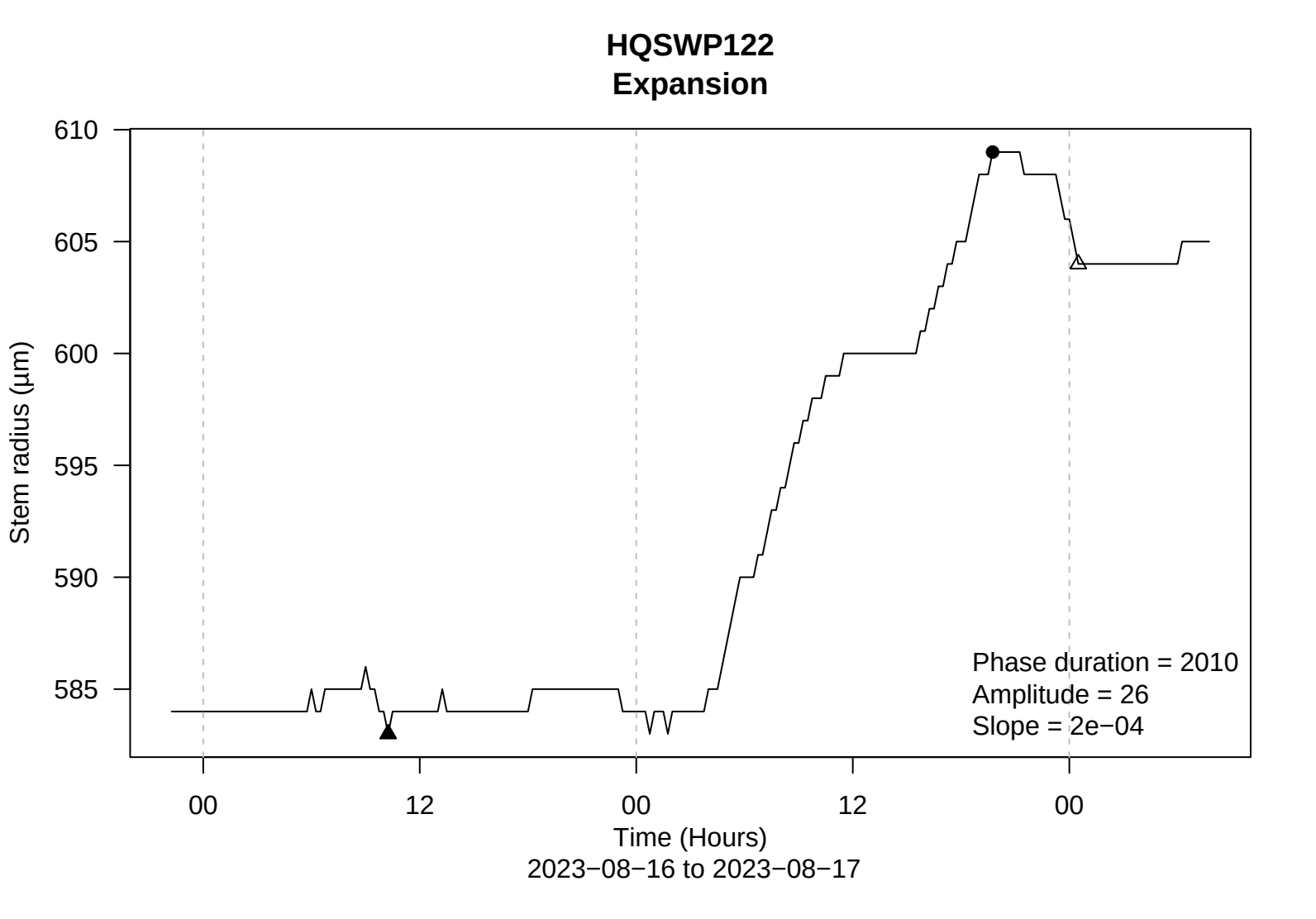

HQSWP122
Expansion
579
578
577
576
575
574
Stem radius (µm)
00
12
00
Time (Hours)
2023−08−12 to 2023−08−12
Phase duration = 705
Amplitude = 5
Slope = 1e−04

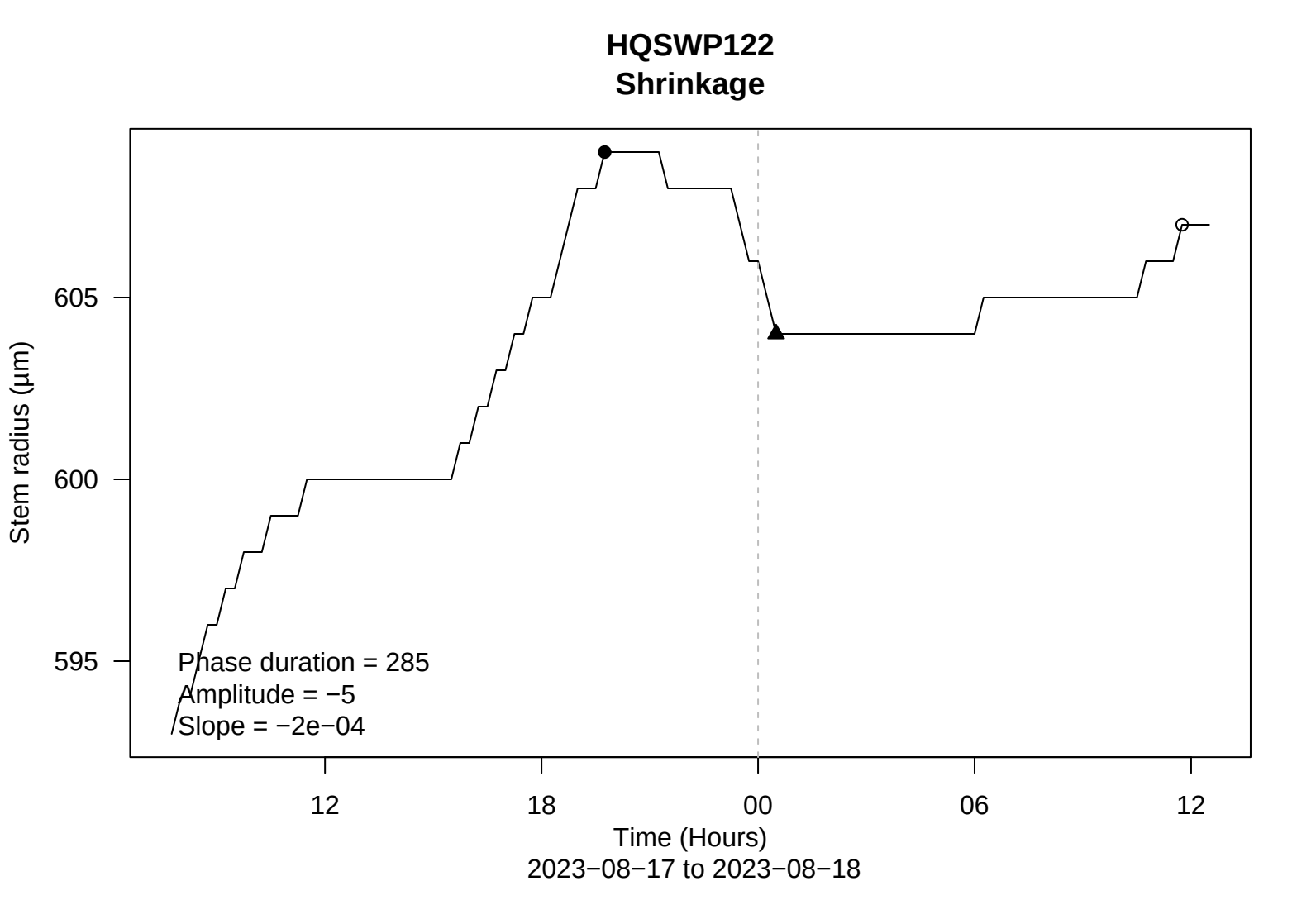

HQSWP122
Shrinkage
579
578
577
576
575
574
Stem radius (µm)
Phase duration = 405
Amplitude = −4
Slope = −1e−04
12
00
12
Time (Hours)
2023−08−12 to 2023−08−13

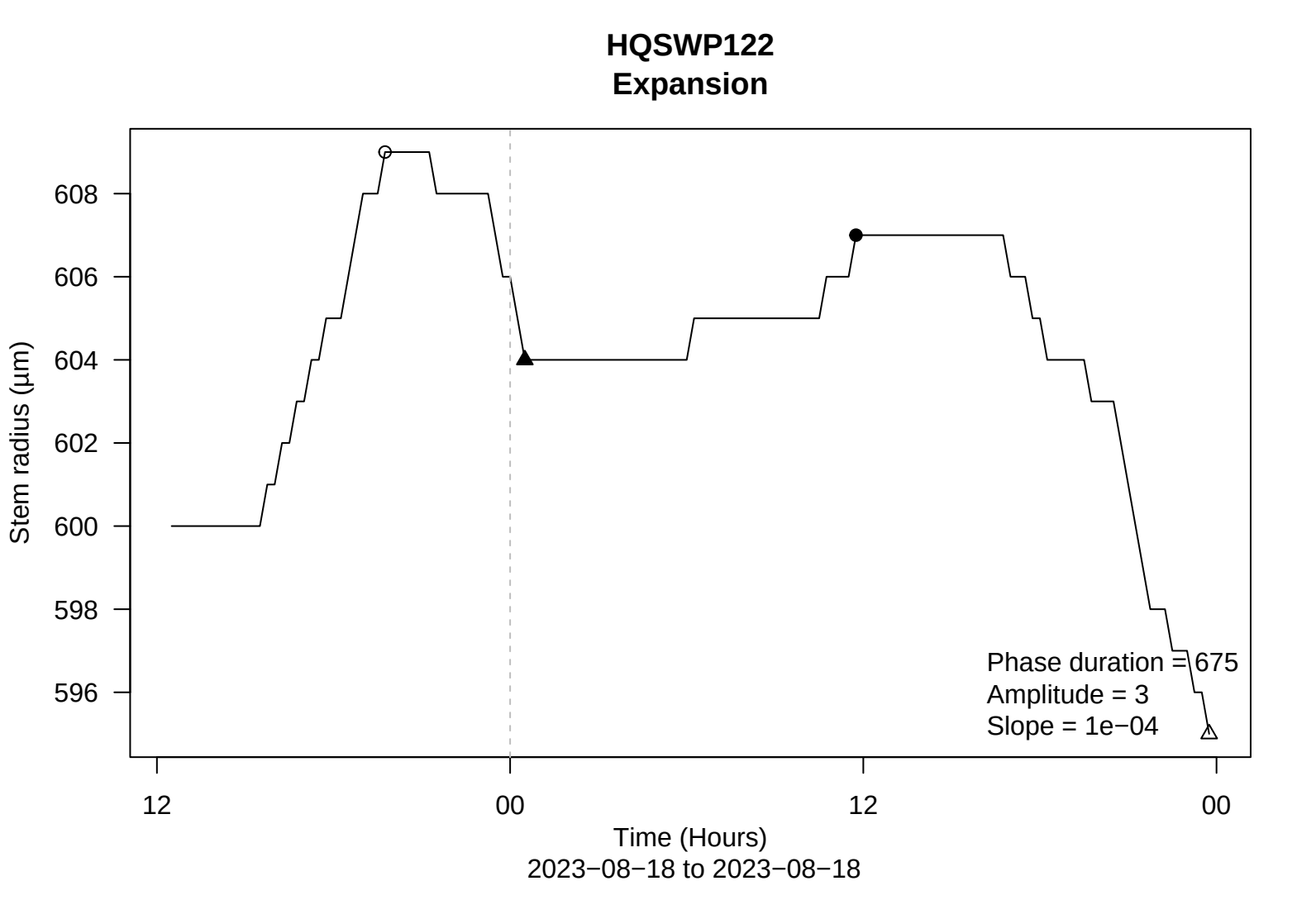

HQSWP122
Expansion
Stem radius (µm)
579
578
577
576
575
574
573
572
12
00
12
Time (Hours)
2023−08−13 to 2023−08−13
Phase duration = 540
Amplitude = 3
Slope = 0

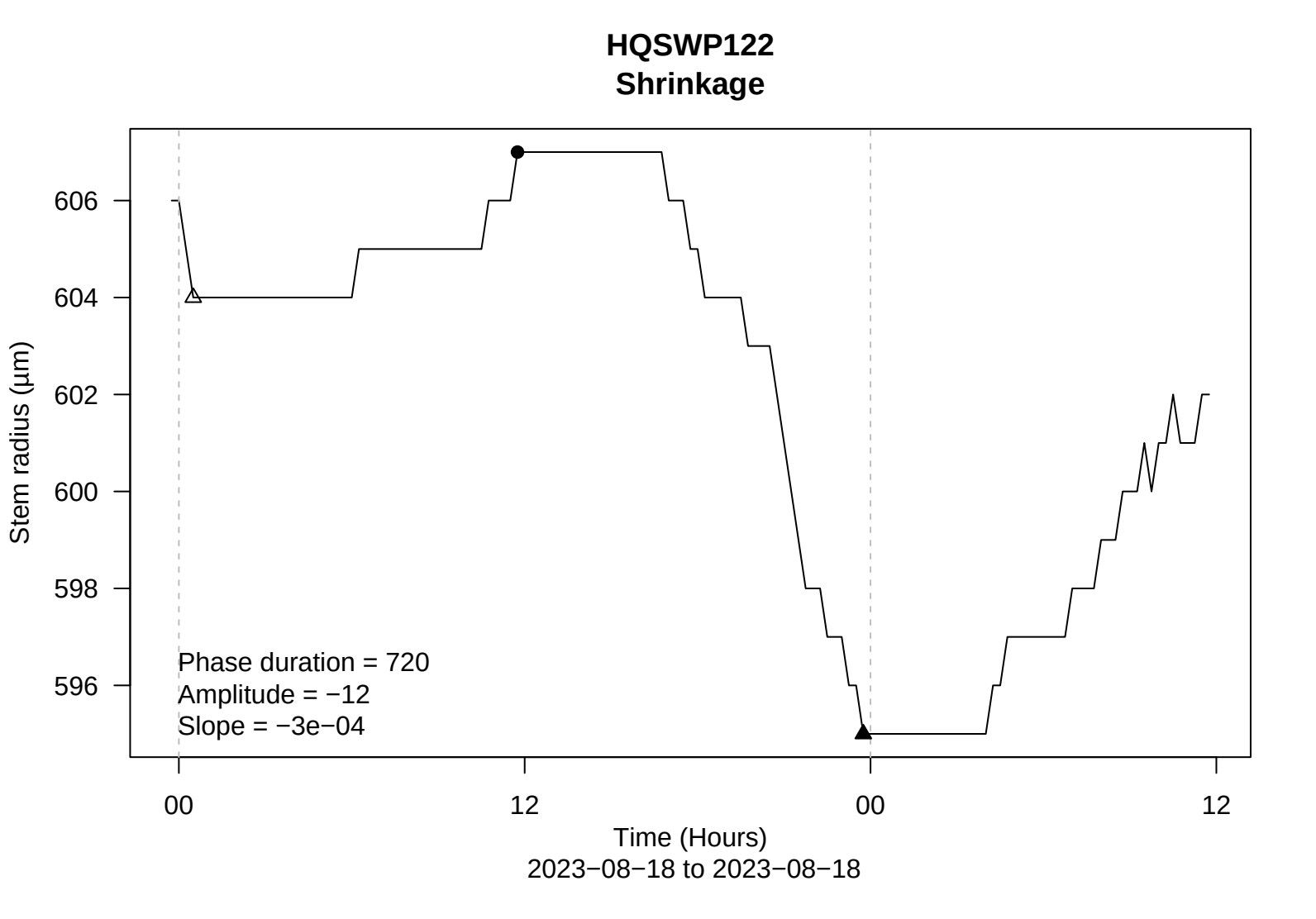

HQSWP122
Shrinkage
578
577
576
575
574
573
572
571
Stem radius (µm)
Phase duration = 315
Amplitude = −6
Slope = −3e−04
06
12
18
00
06
Time (Hours)
2023−08−13 to 2023−08−13

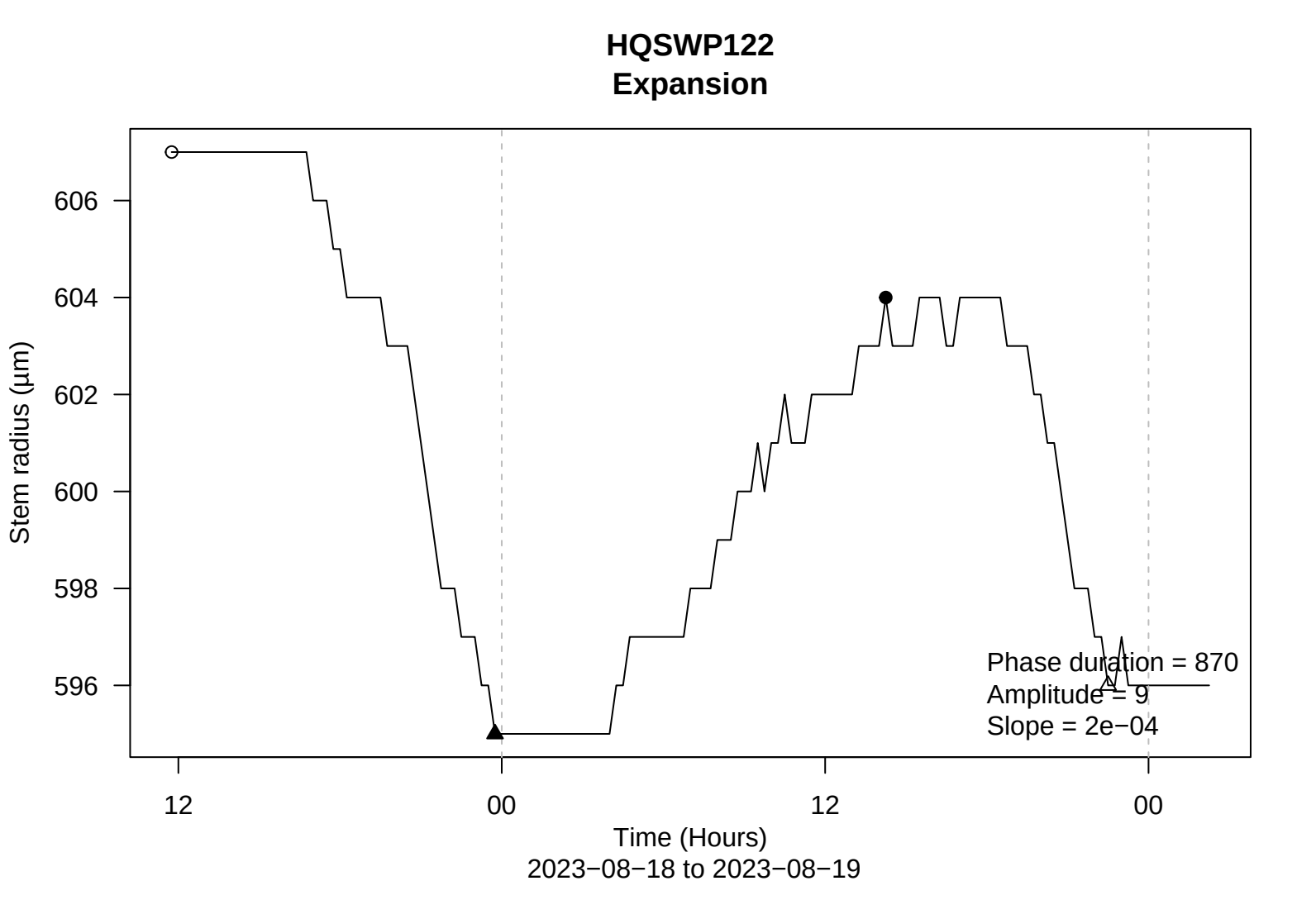

HQSWP122
Expansion
585
580
575
Stem radius (µm)
Phase duration = 2310
Amplitude = 15
Slope = 1e−04
00
00
00
Time (Hours)
2023−08−13 to 2023−08−15

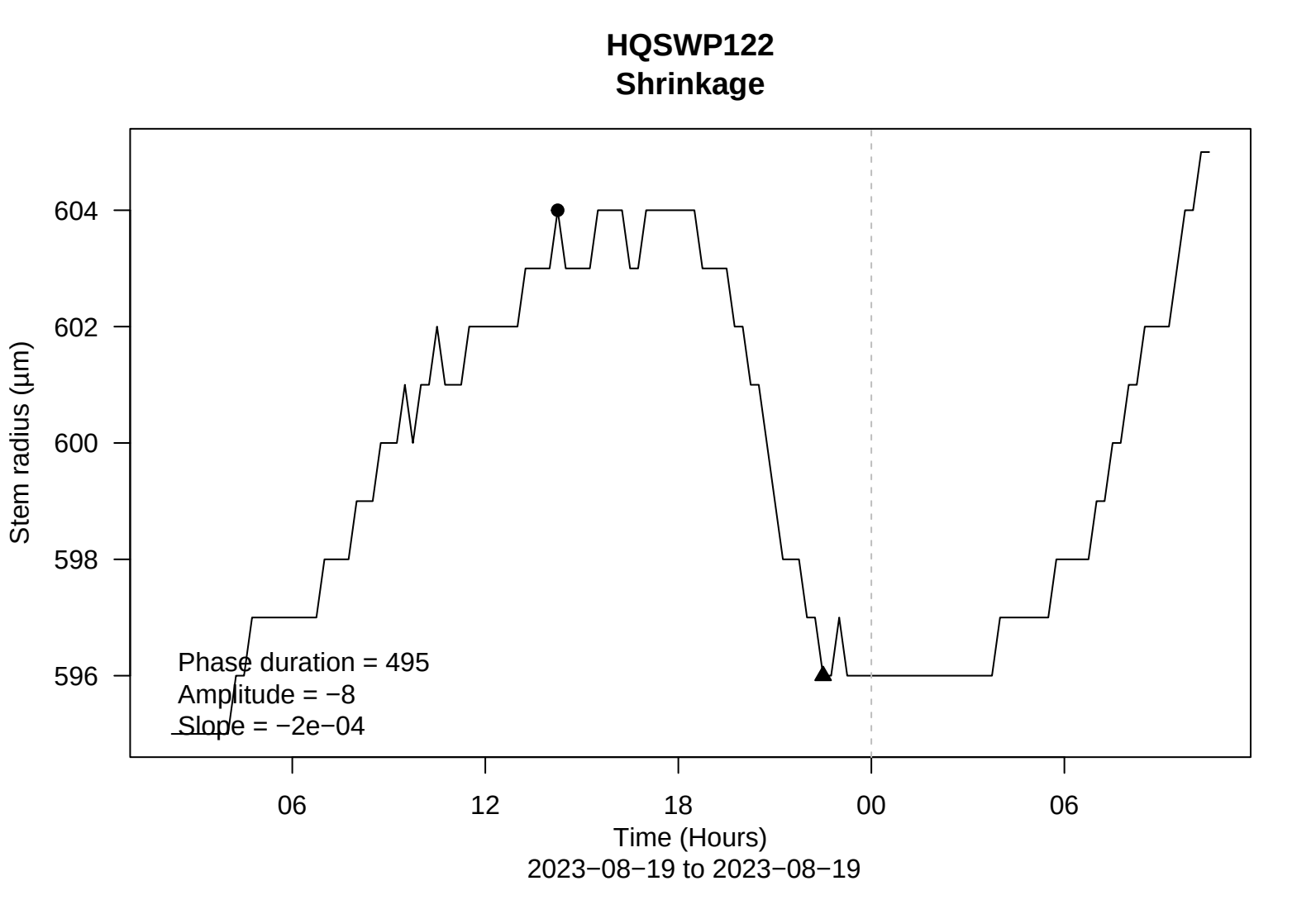

HQSWP122
Expansion
610
605
600
595
590
585
Stem radius (µm)
Phase duration = 2010
Amplitude = 26
Slope = 2e−04
00
12
00
12
00
Time (Hours)
2023−08−16 to 2023−08−17

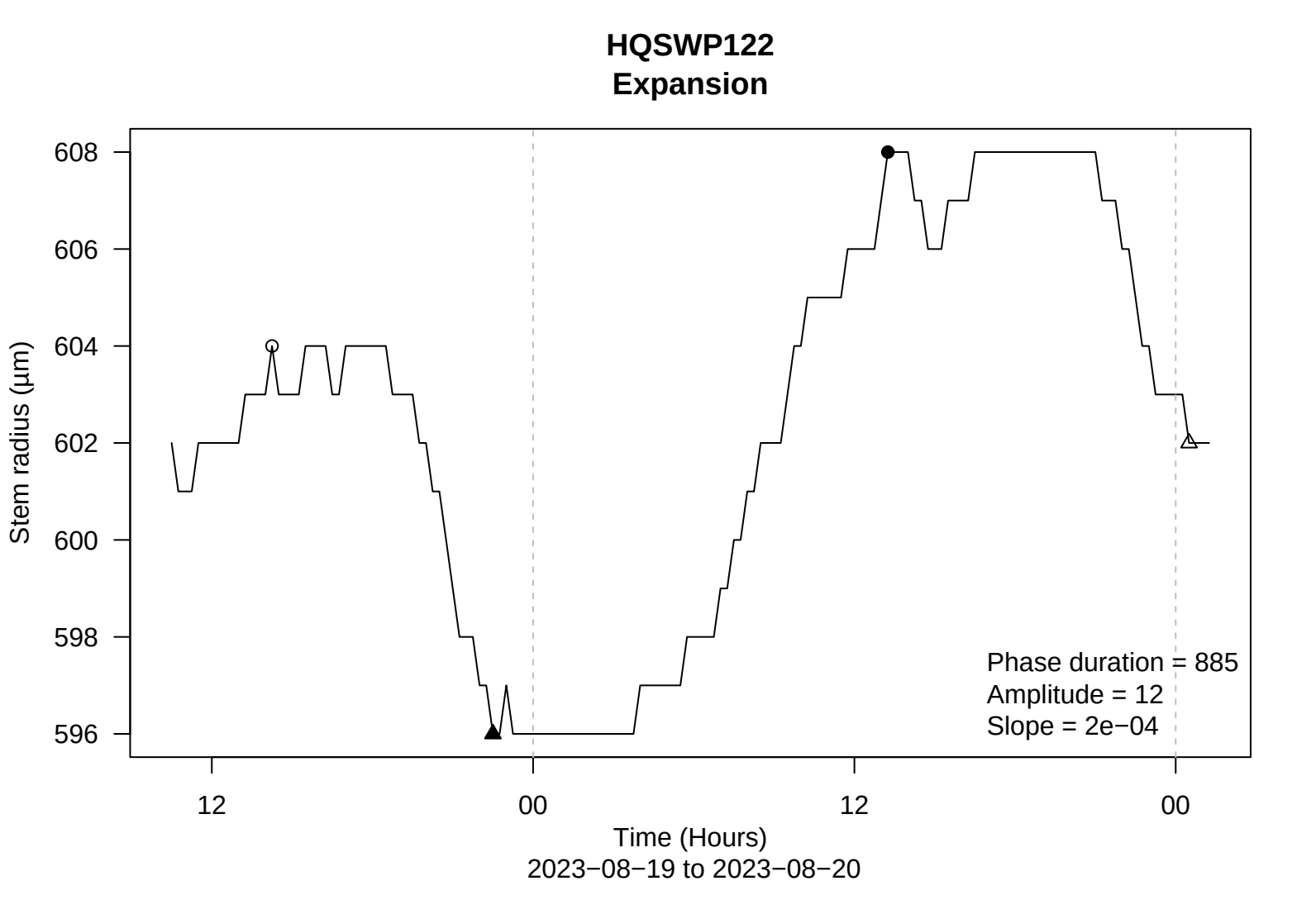

HQSWP122
Shrinkage
Stem radius (µm)
605
600
595
Phase duration = 285
Amplitude = −5
Slope = −2e−04
12
18
00
06
12
Time (Hours)
2023−08−17 to 2023−08−18

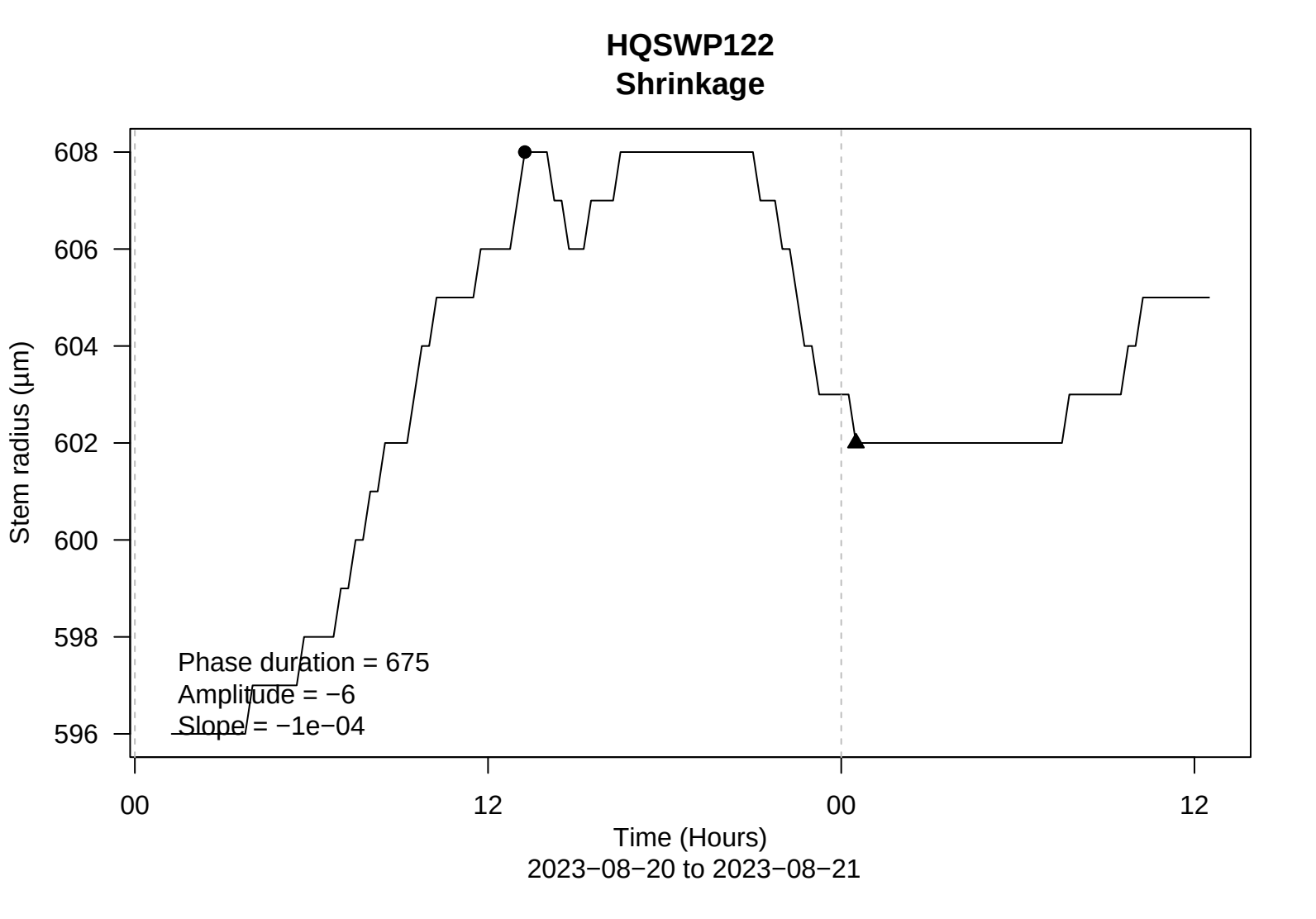

HQSWP122
Expansion
608
606
604
602
600
598
596
Stem radius (µm)
Phase duration = 675
Amplitude = 3
Slope = 1e−04
12
00
12
00
Time (Hours)
2023−08−18 to 2023−08−18

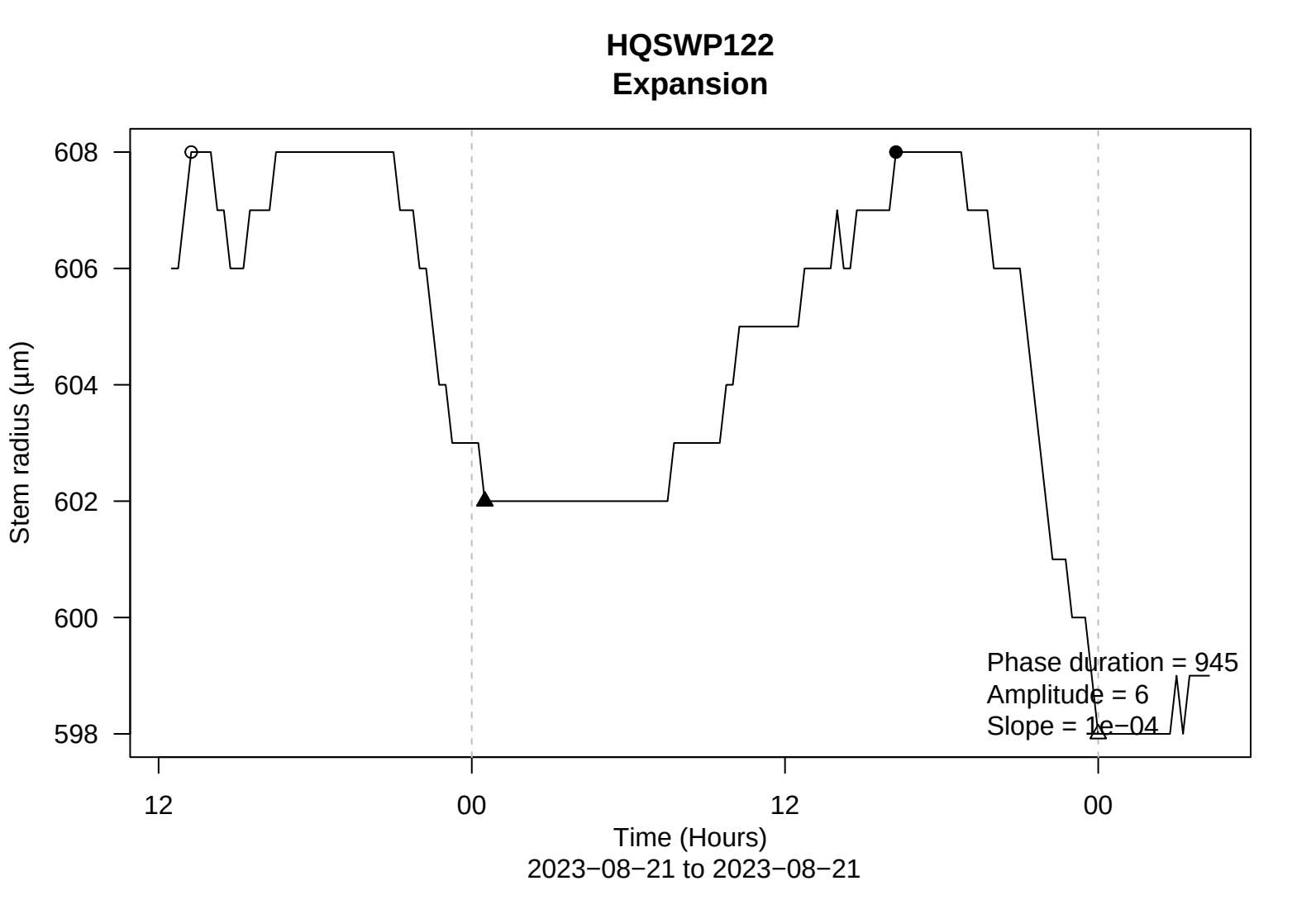

HQSWP122
Shrinkage
606
604
602
600
598
596
Stem radius (µm)
Phase duration = 720
Amplitude = −12
Slope = −3e−04
00
12
00
12
Time (Hours)
2023−08−18 to 2023−08−18

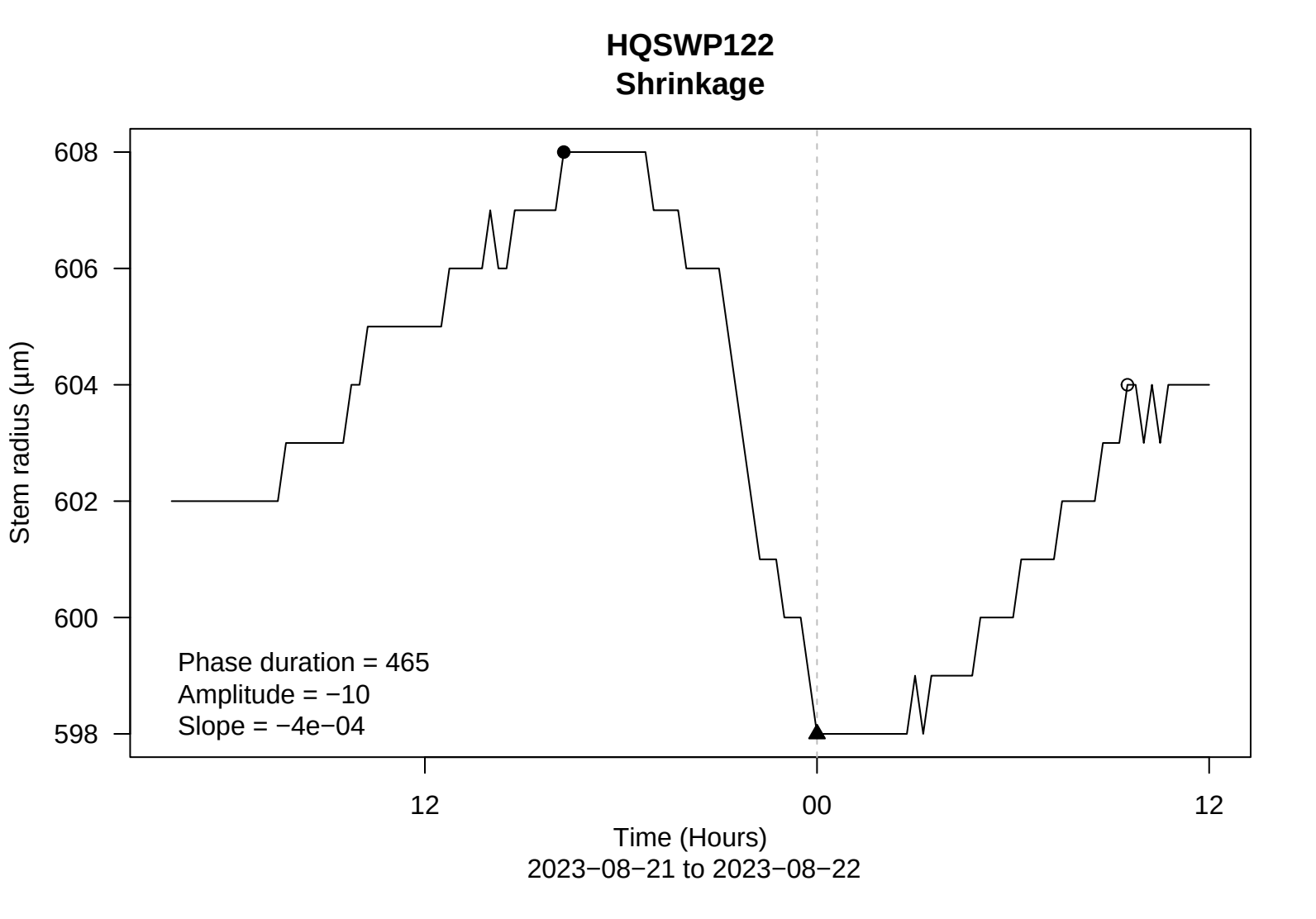

HQSWP122
Expansion
606
604
602
600
598
596
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−08−18 to 2023−08−19
Phase duration = 870
Amplitude = 9
Slope = 2e−04

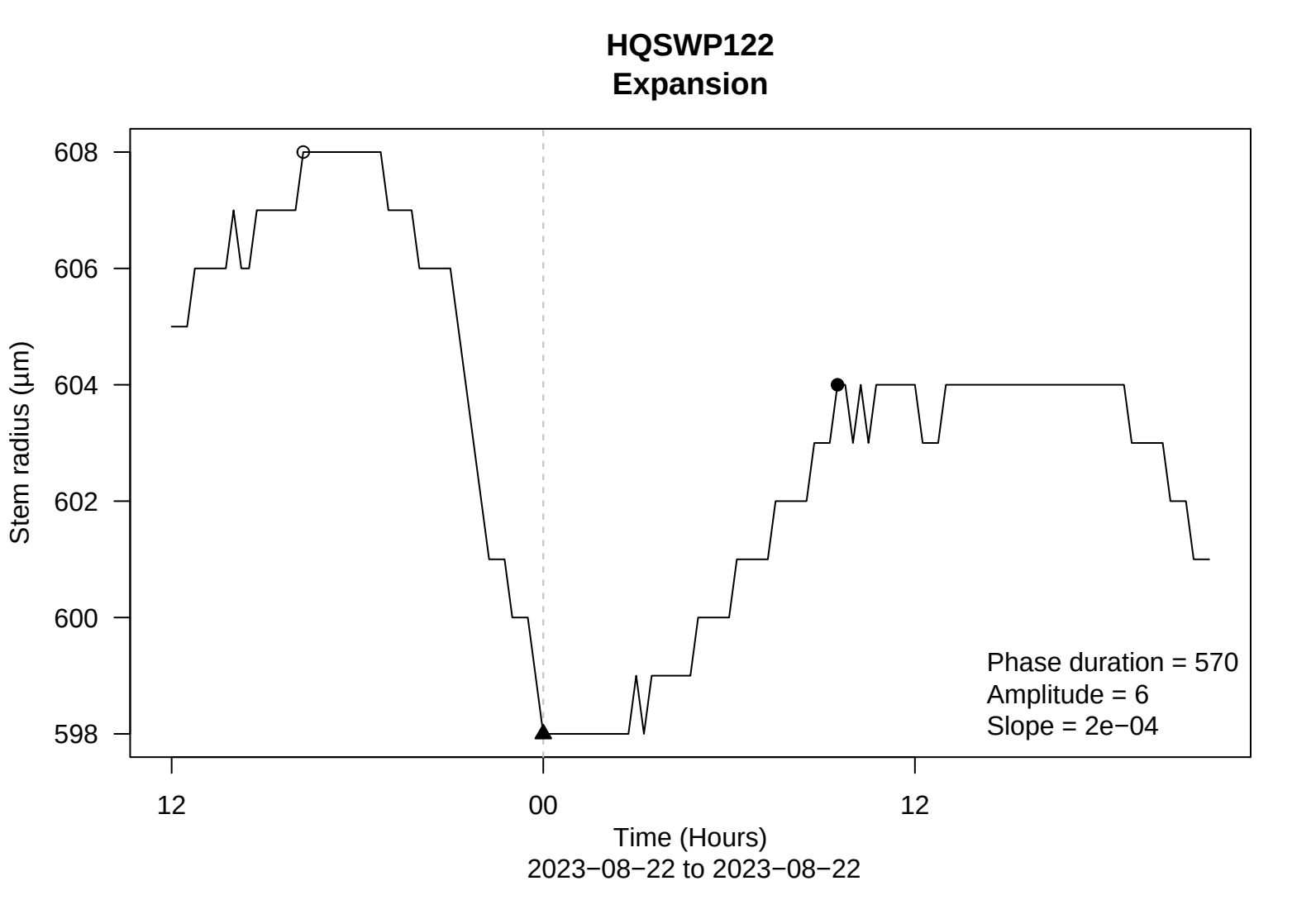

HQSWP122
Shrinkage
Stem radius (µm)
604
602
600
598
596
Phase duration = 495
Amplitude = −8
Slope = −2e−04
06
12
18
00
06
Time (Hours)
2023−08−19 to 2023−08−19

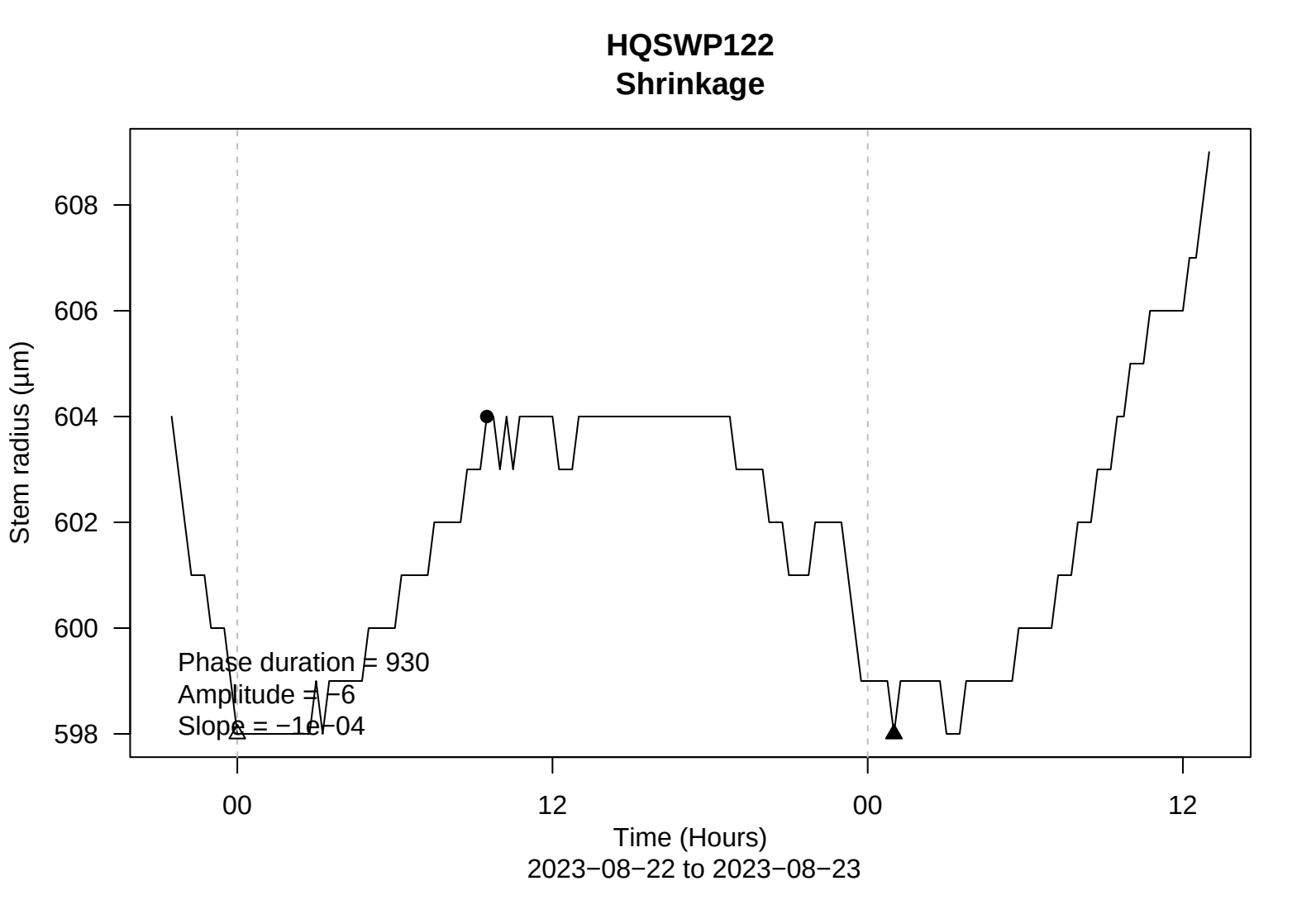

HQSWP122
Expansion
608
606
604
602
600
598
596
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−08−19 to 2023−08−20
Phase duration = 885
Amplitude = 12
Slope = 2e−04

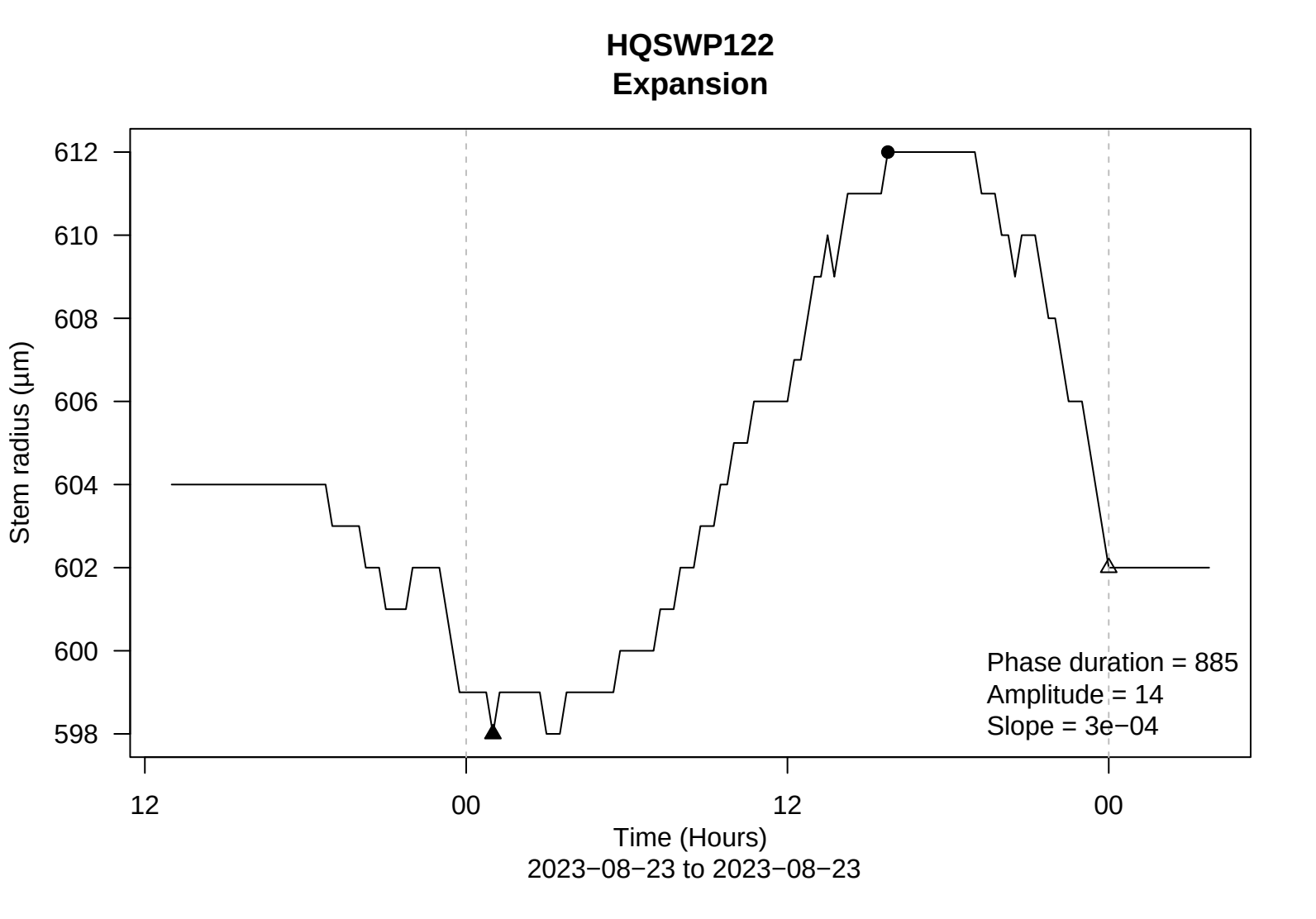

HQSWP122
Shrinkage
608
606
604
602
600
598
596
Stem radius (µm)
Phase duration = 675
Amplitude = −6
Slope = −1e−04
00
12
00
12
Time (Hours)
2023−08−20 to 2023−08−21

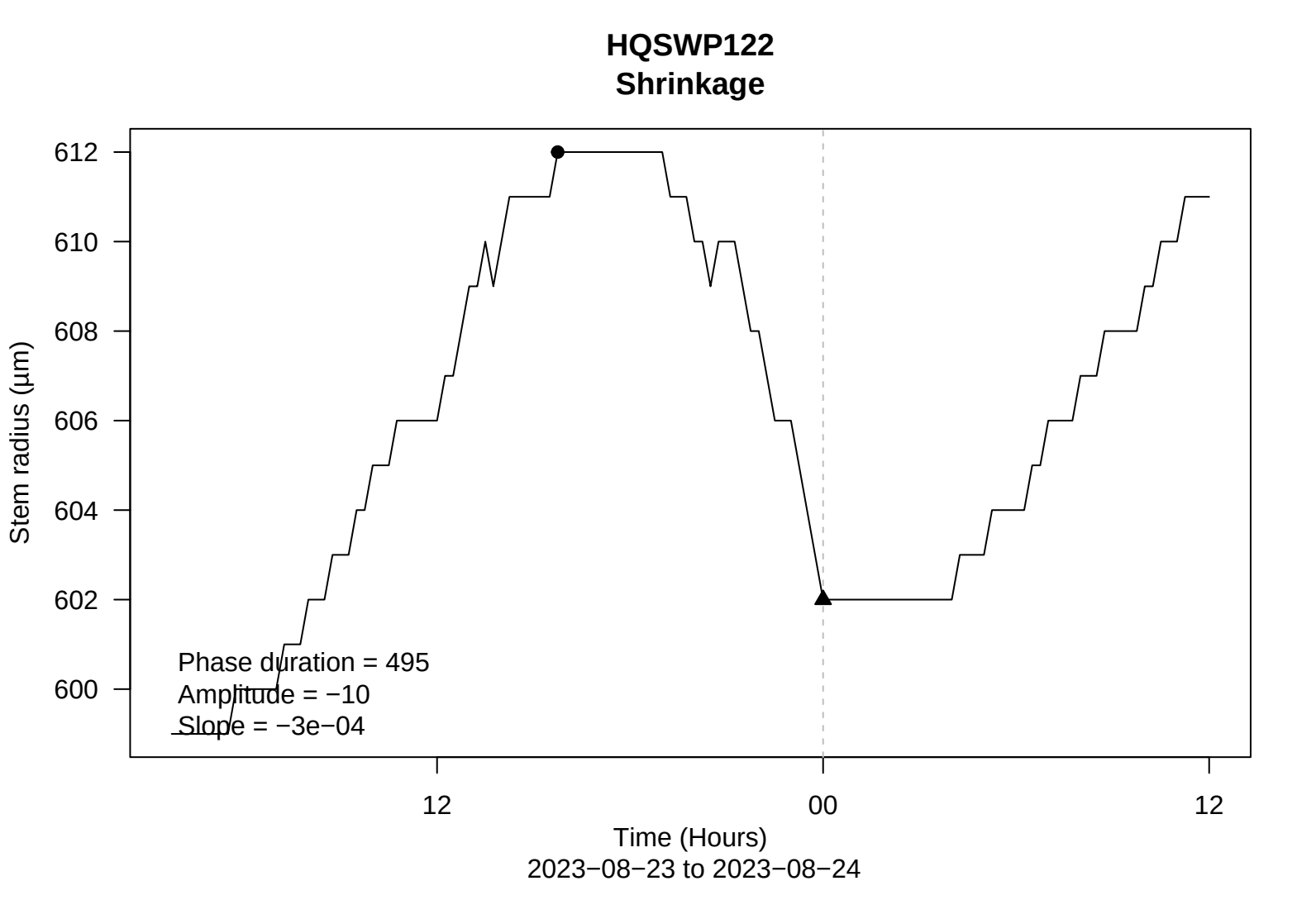

HQSWP122
Expansion
608
606
604
602
600
598
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−08−21 to 2023−08−21
Phase duration = 945
Amplitude = 6
Slope = 1e−04

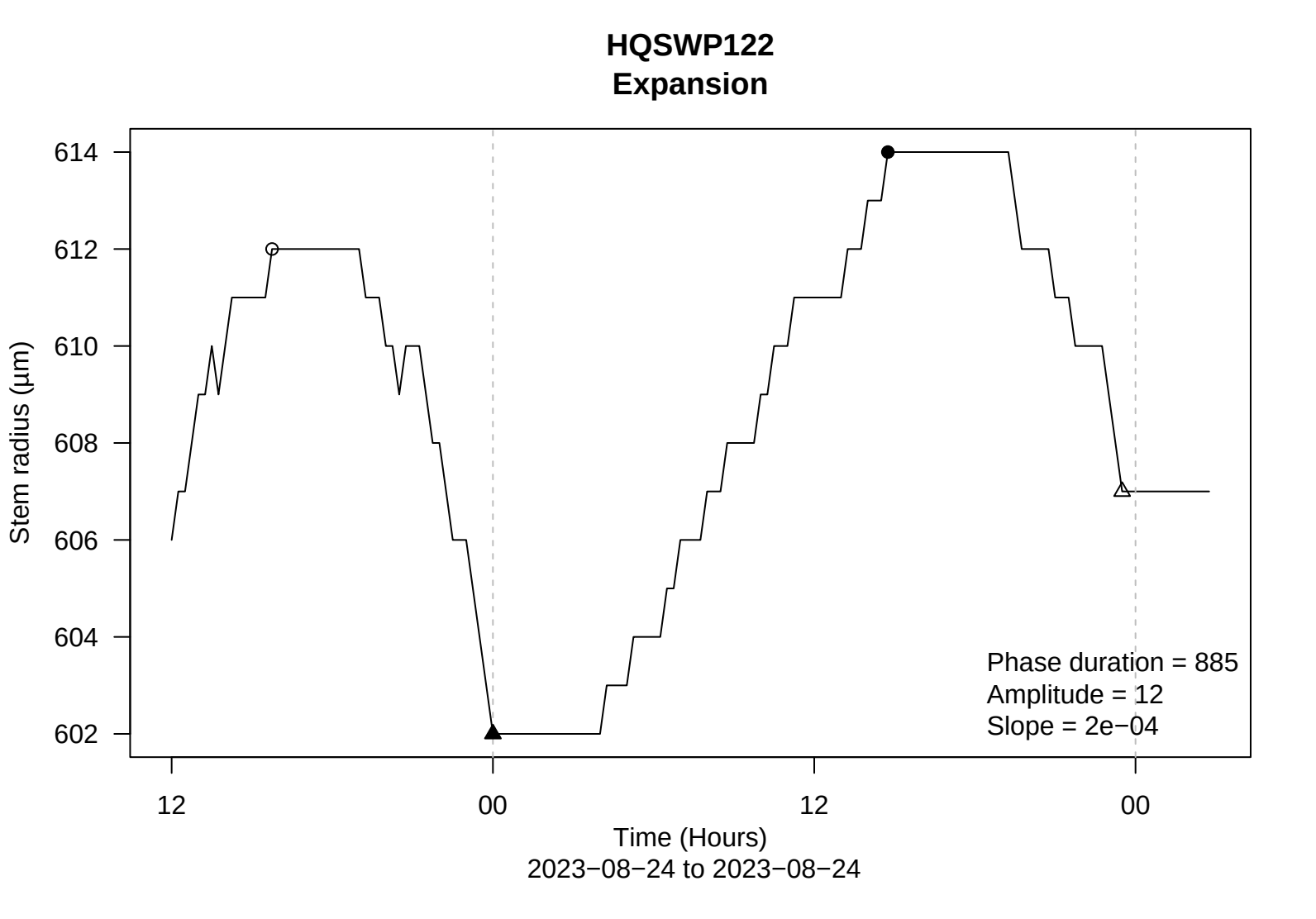

HQSWP122
Shrinkage
608
606
604
602
600
598
Stem radius (µm)
Phase duration = 465
Amplitude = −10
Slope = −4e−04
12
00
12
Time (Hours)
2023−08−21 to 2023−08−22

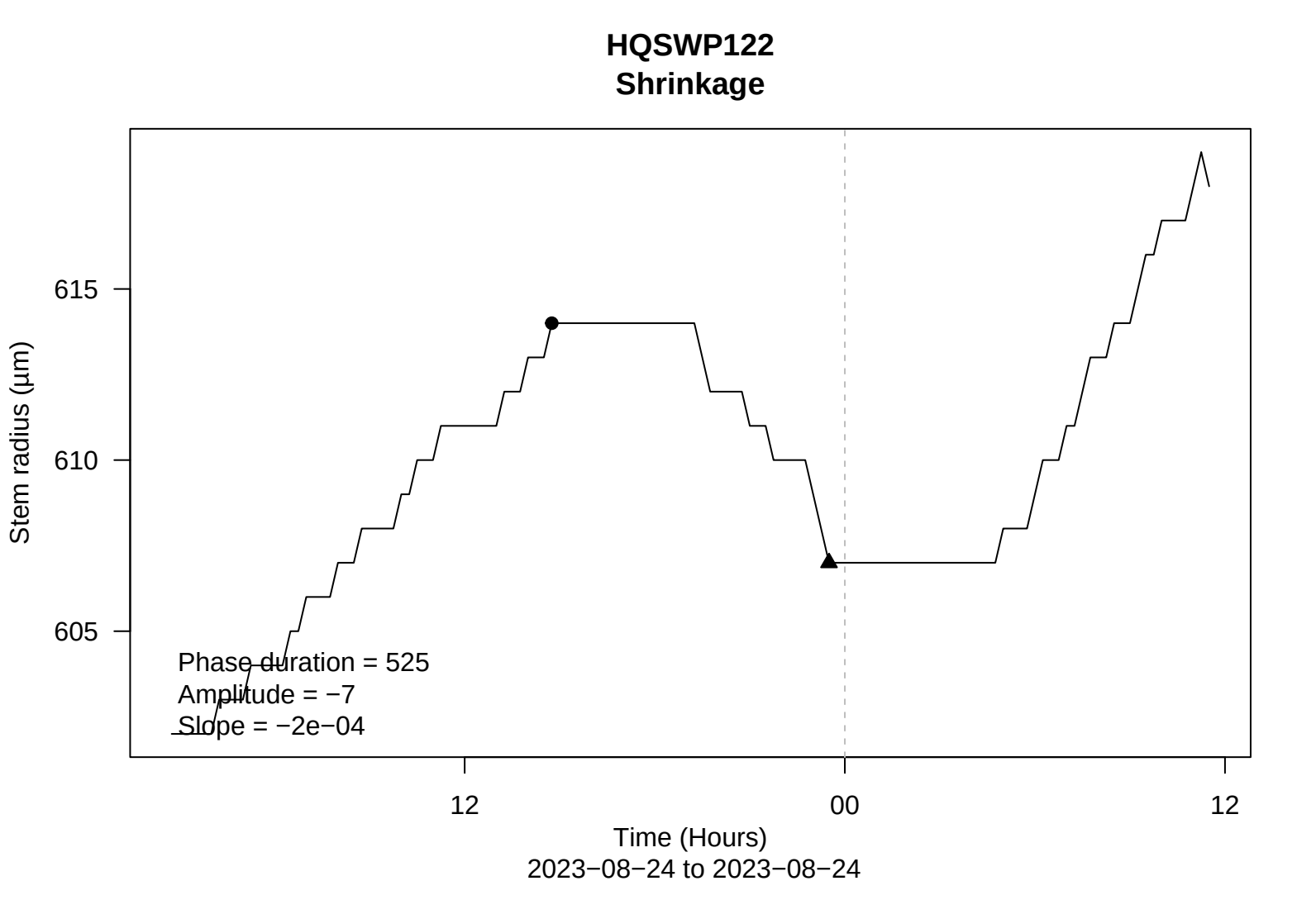

HQSWP122
Expansion
608
606
604
602
600
598
Stem radius (µm)
Phase duration = 570
Amplitude = 6
Slope = 2e−04
12
00
12
Time (Hours)
2023−08−22 to 2023−08−22

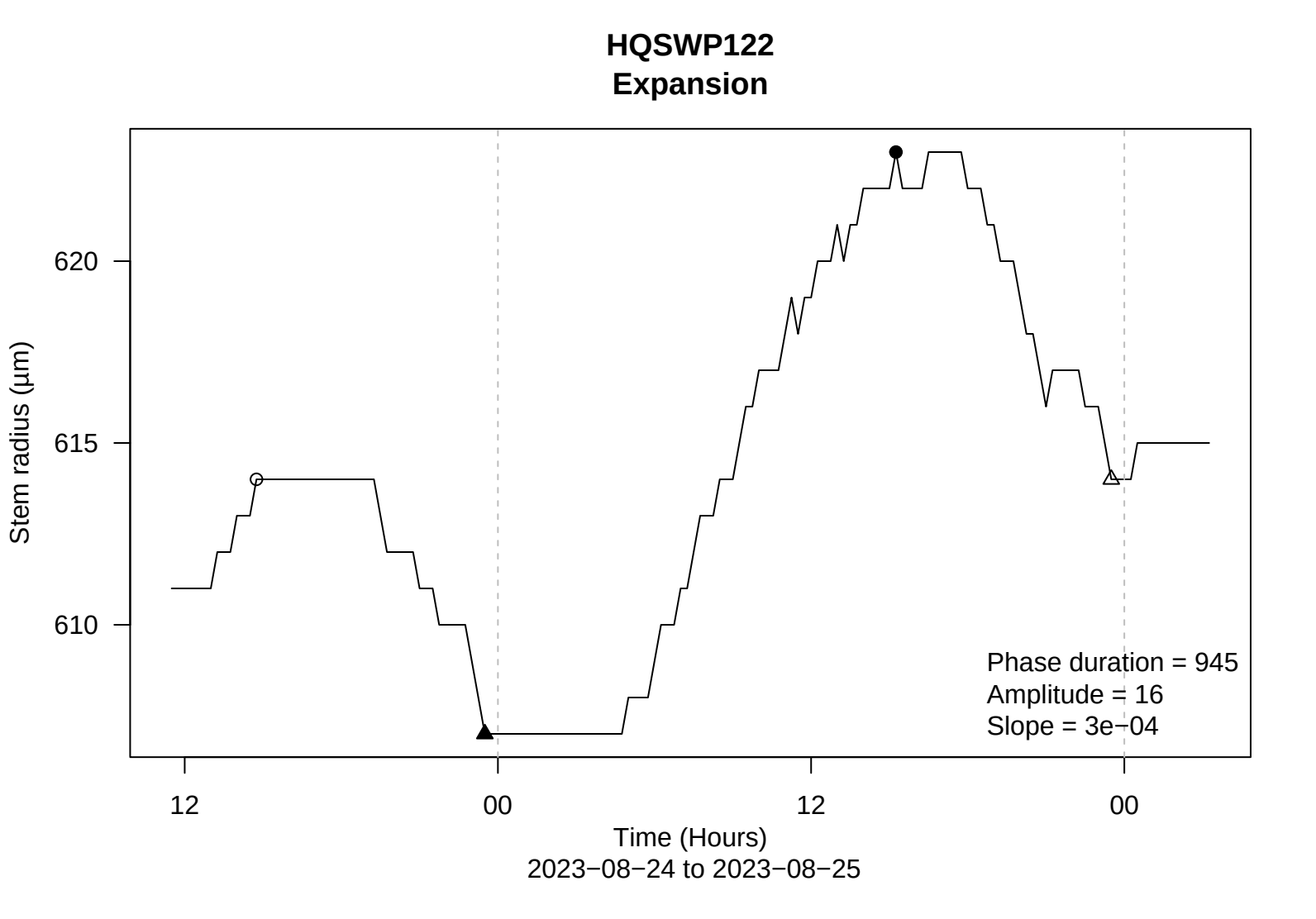

HQSWP122
Shrinkage
608
606
604
602
600
598
Stem radius (µm)
Phase duration = 930
Amplitude = −6
Slope = −1e−04
00
12
00
12
Time (Hours)
2023−08−22 to 2023−08−23

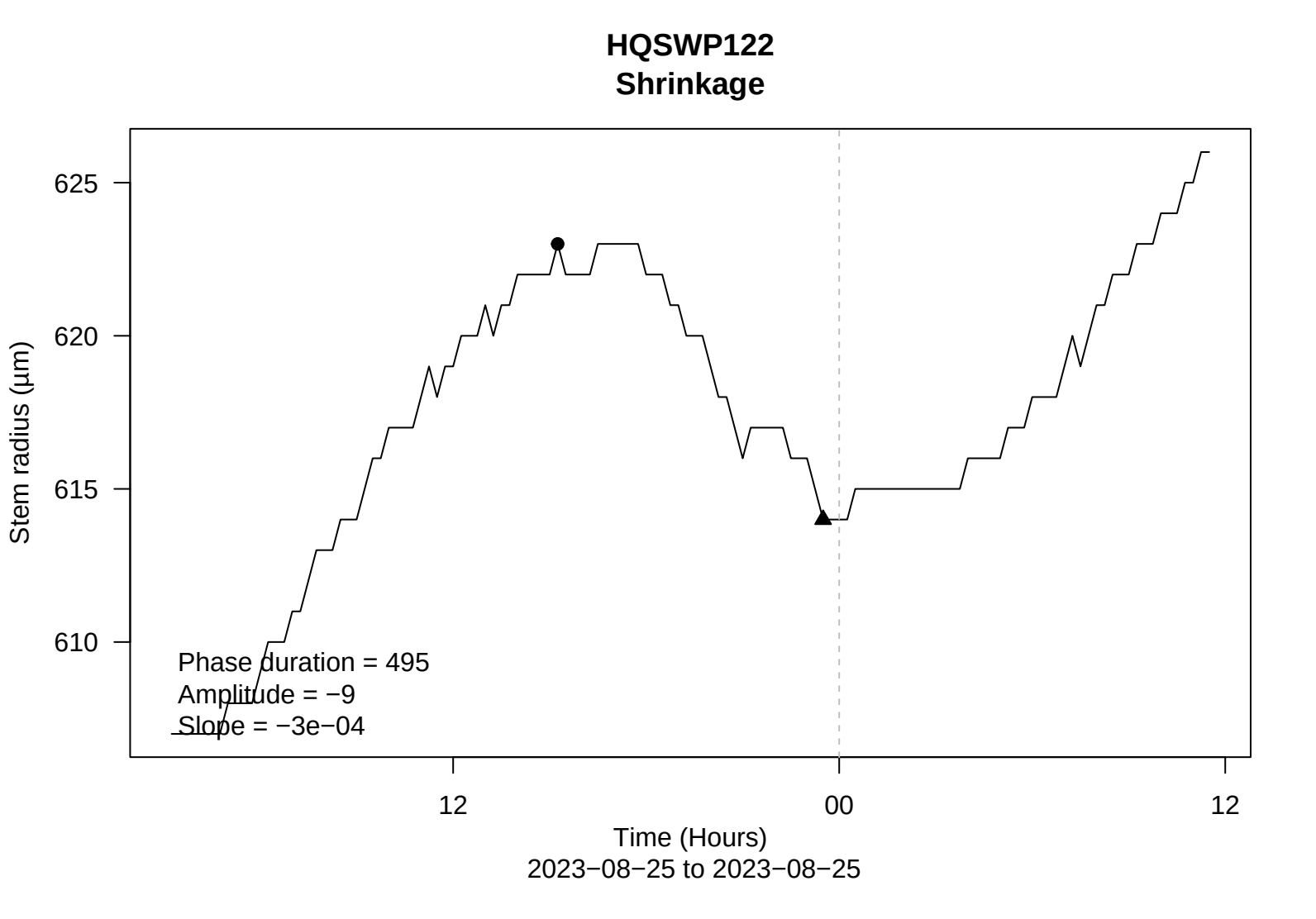

HQSWP122
Expansion
612
610
608
606
604
602
600
598
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−08−23 to 2023−08−23
Phase duration = 885
Amplitude = 14
Slope = 3e−04

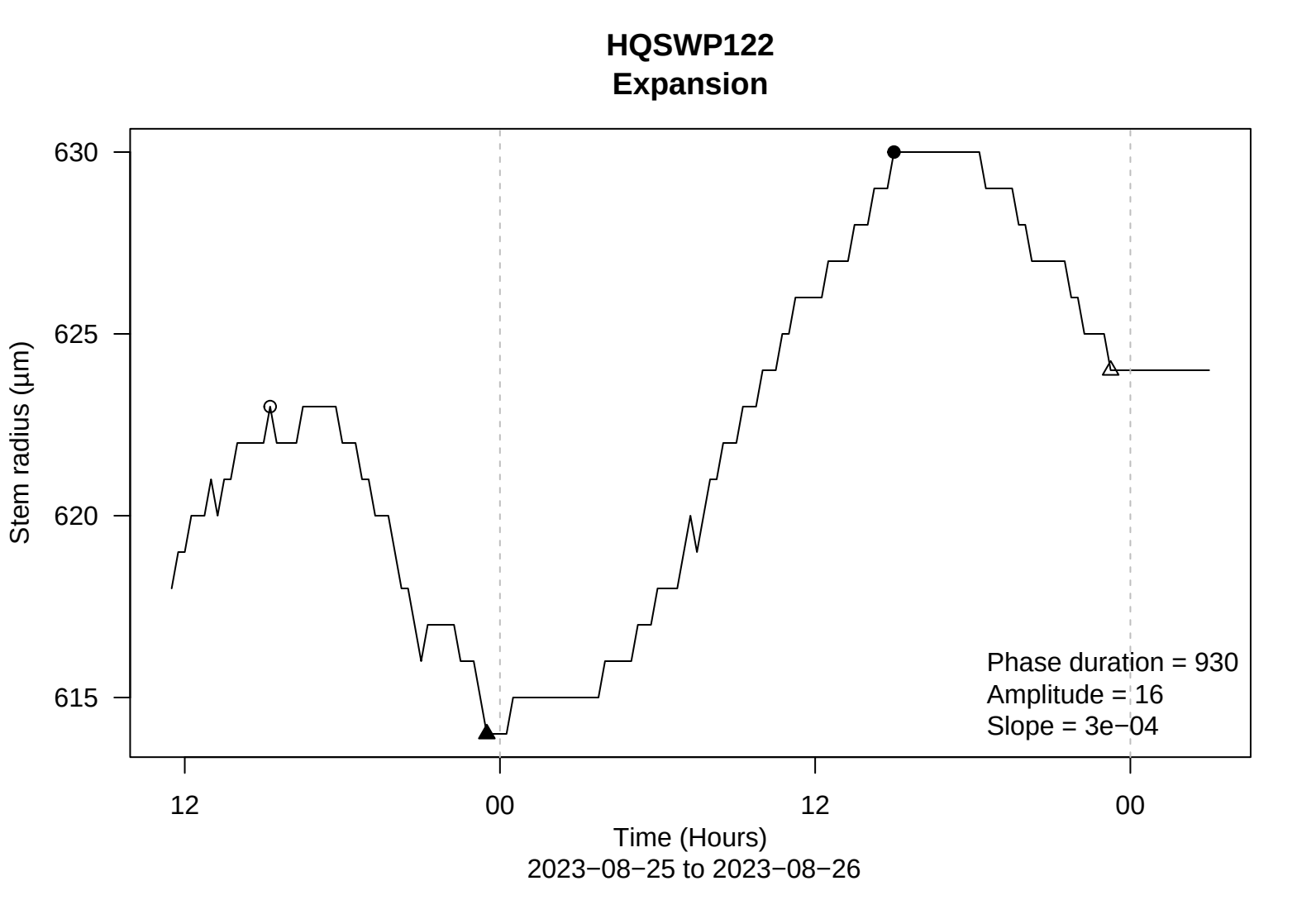

HQSWP122
Shrinkage
612
610
608
606
604
602
600
Stem radius (µm)
Phase duration = 495
Amplitude = −10
Slope = −3e−04
12
00
12
Time (Hours)
2023−08−23 to 2023−08−24

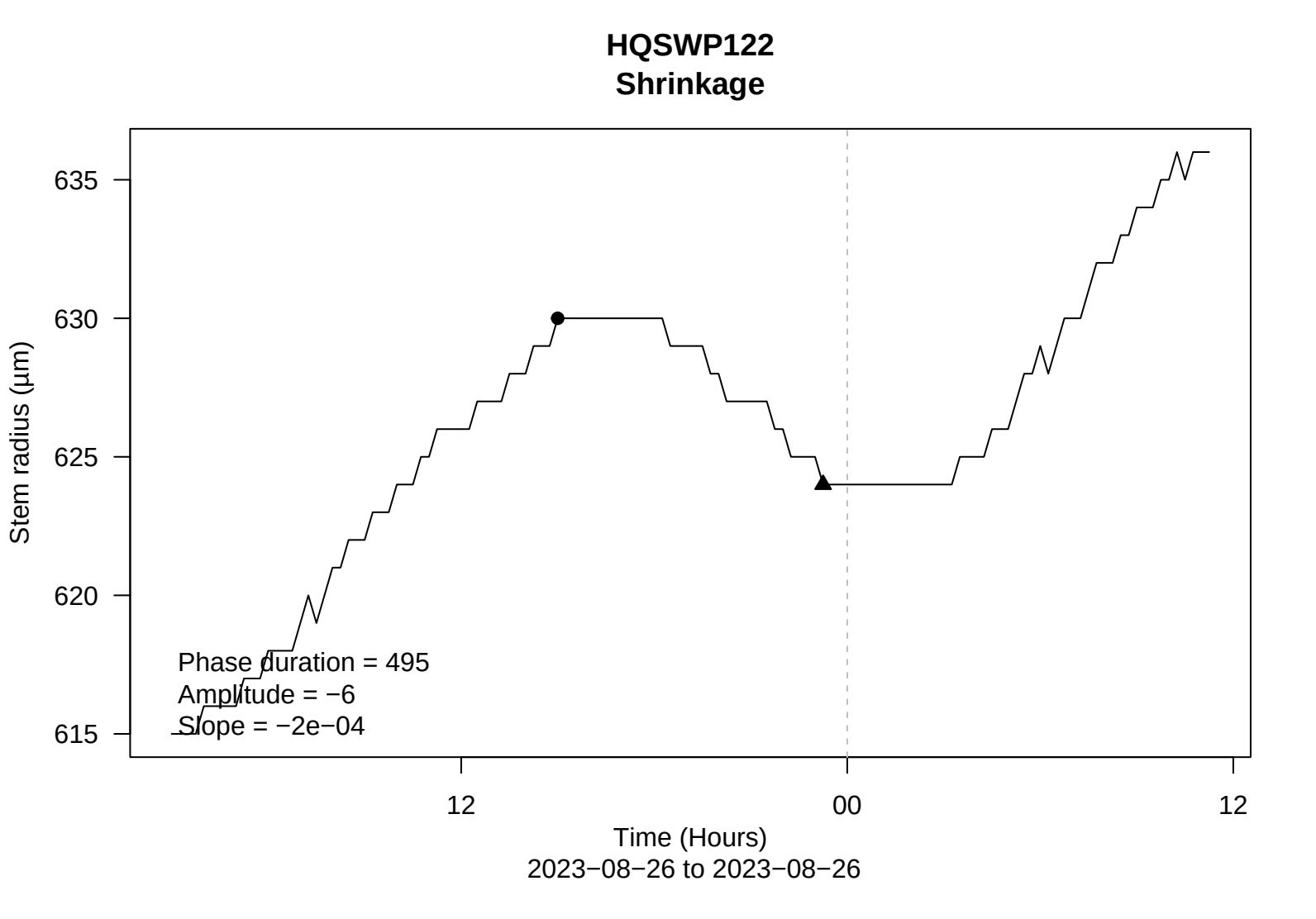

HQSWP122
Expansion
614
612
610
608
606
604
602
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−08−24 to 2023−08−24
Phase duration = 885
Amplitude = 12
Slope = 2e−04

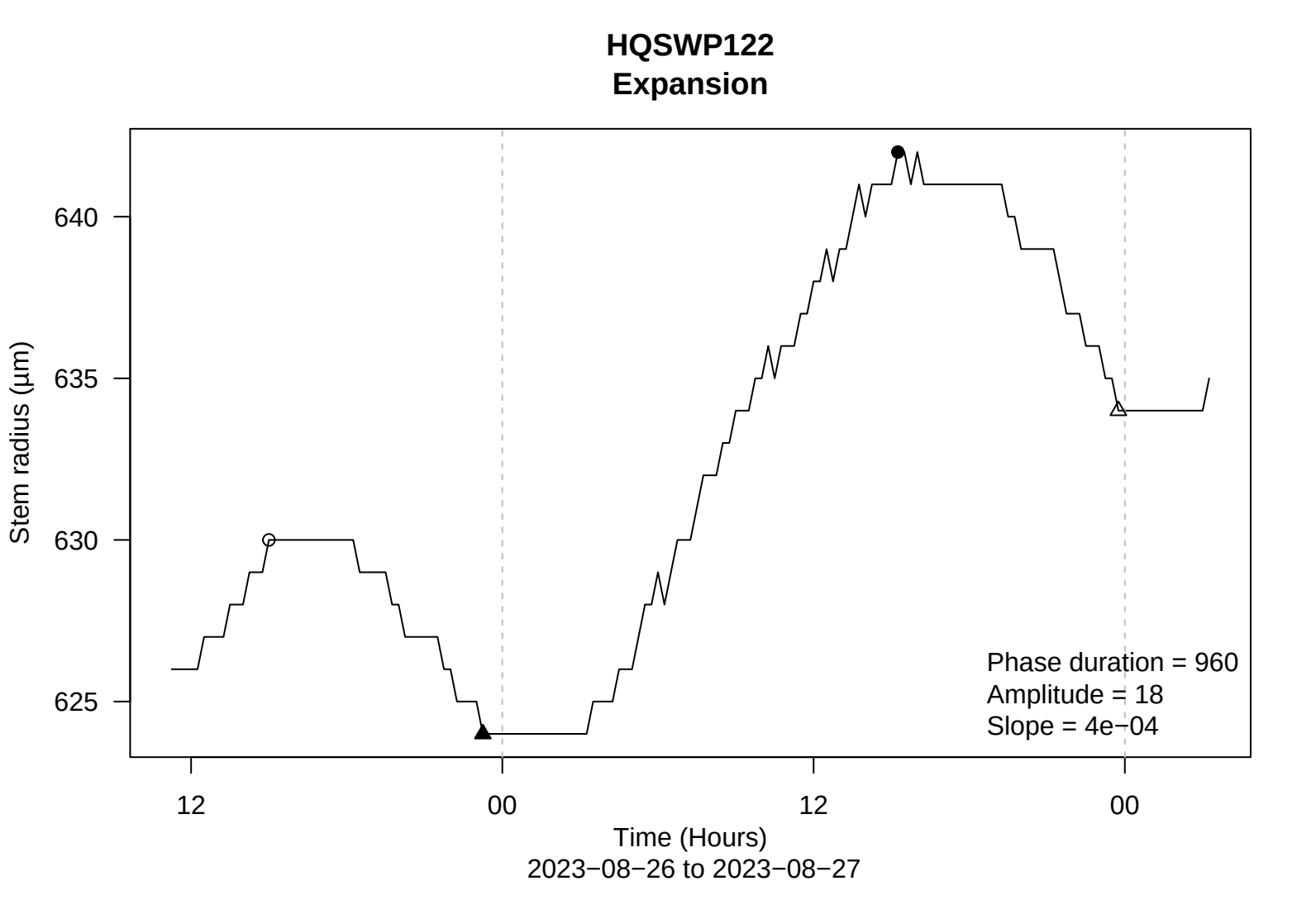

HQSWP122
Shrinkage
615
610
605
Stem radius (µm)
Phase duration = 525
Amplitude = −7
Slope = −2e−04
12
00
12
Time (Hours)
2023−08−24 to 2023−08−24

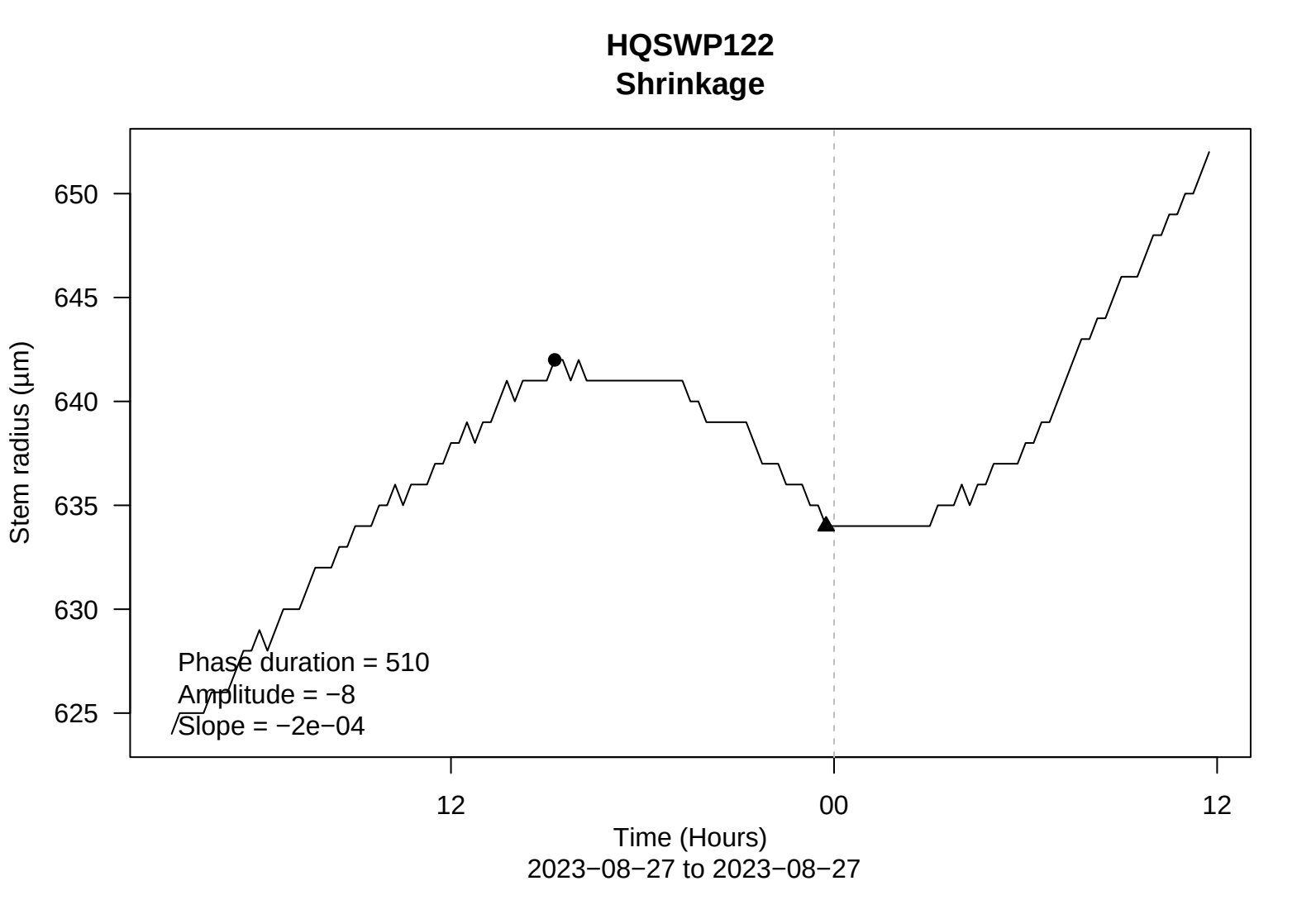

HQSWP122
Expansion
620
615
610
Stem radius (µm)
Phase duration = 945
Amplitude = 16
Slope = 3e−04
12
00
12
00
Time (Hours)
2023−08−24 to 2023−08−25

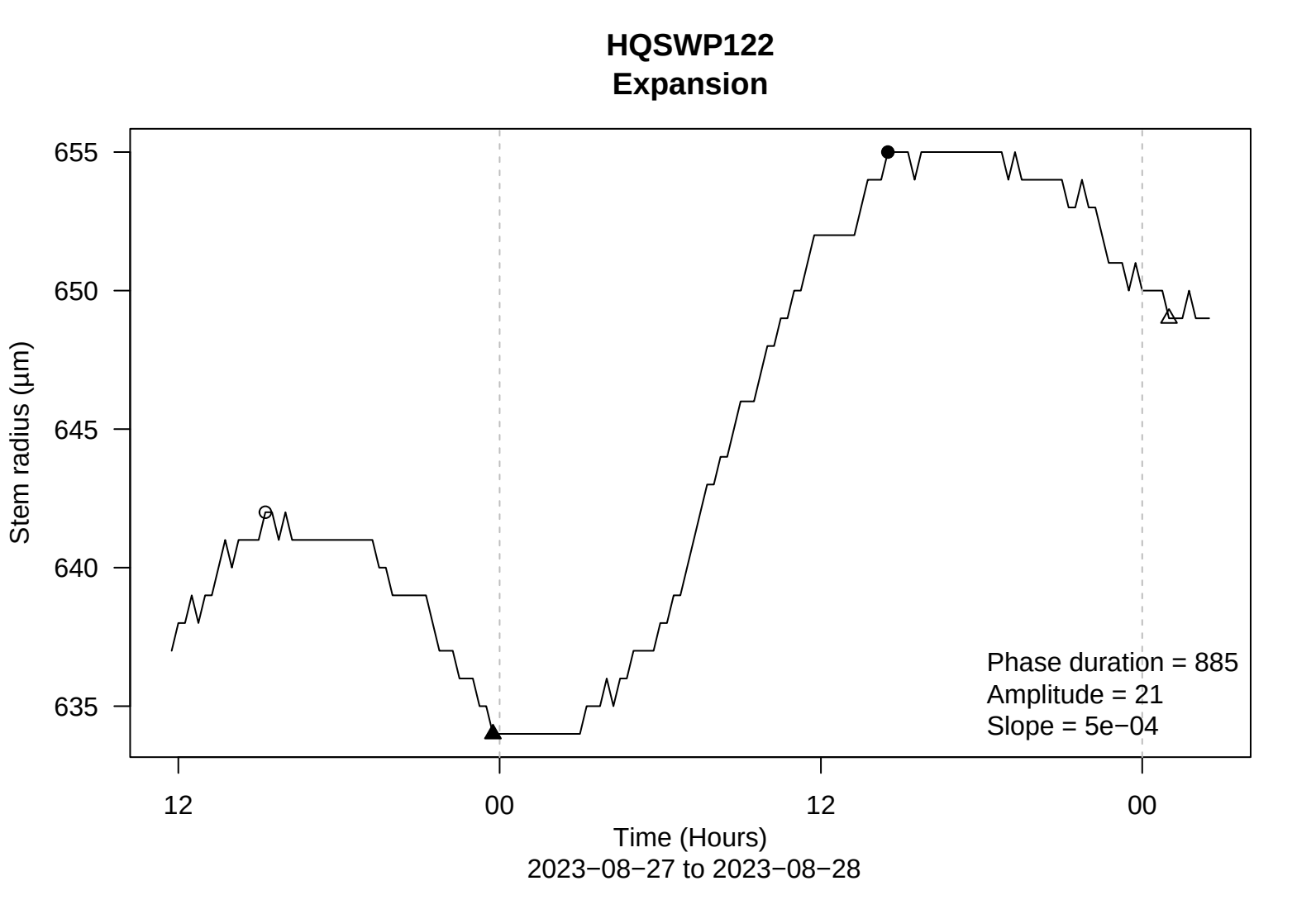

HQSWP122
Shrinkage
625
620
615
610
Stem radius (µm)
Phase duration = 495
Amplitude = −9
Slope = −3e−04
12
00
12
Time (Hours)
2023−08−25 to 2023−08−25

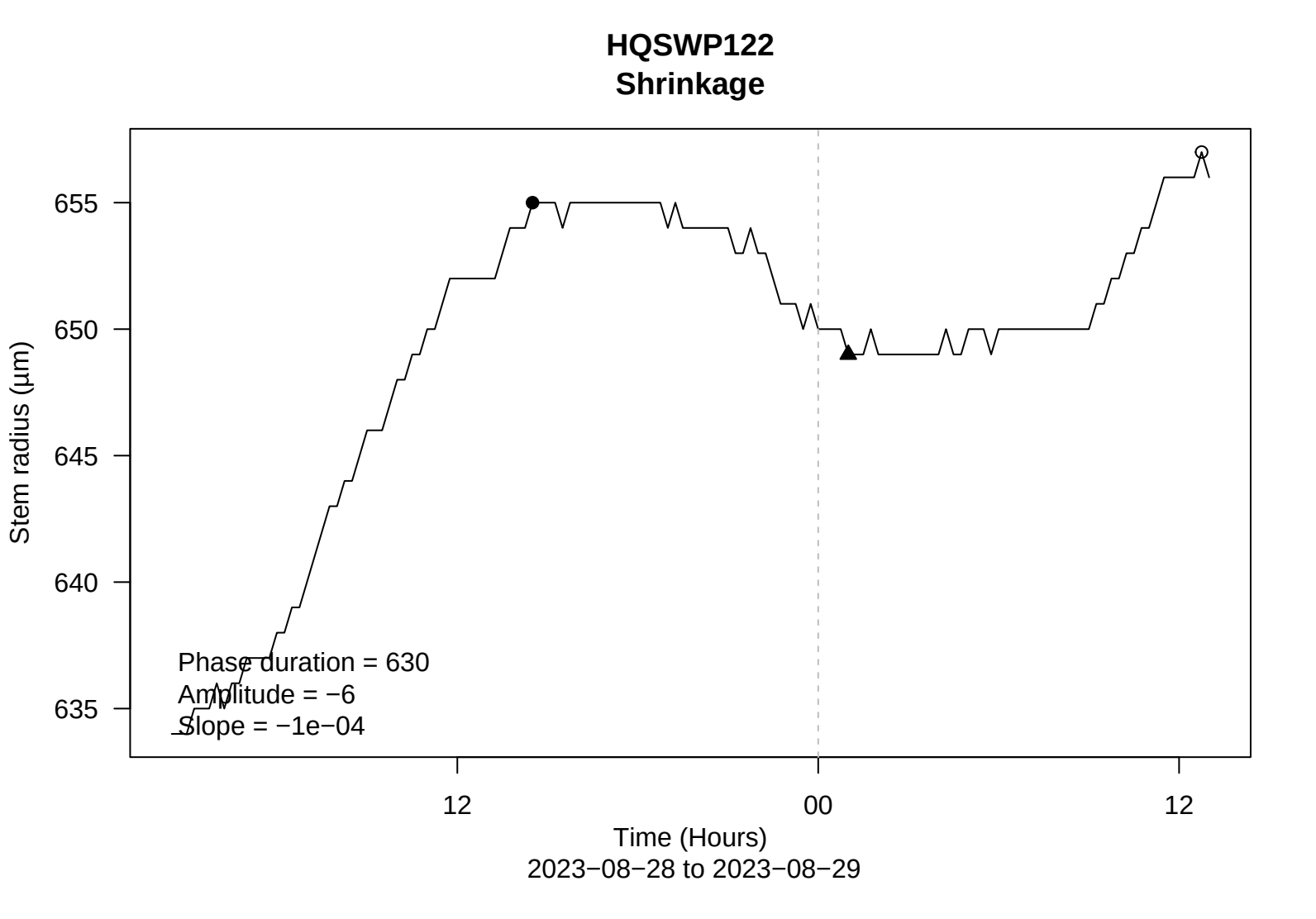

HQSWP122
Expansion
630
625
620
615
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−08−25 to 2023−08−26
Phase duration = 930
Amplitude = 16
Slope = 3e−04

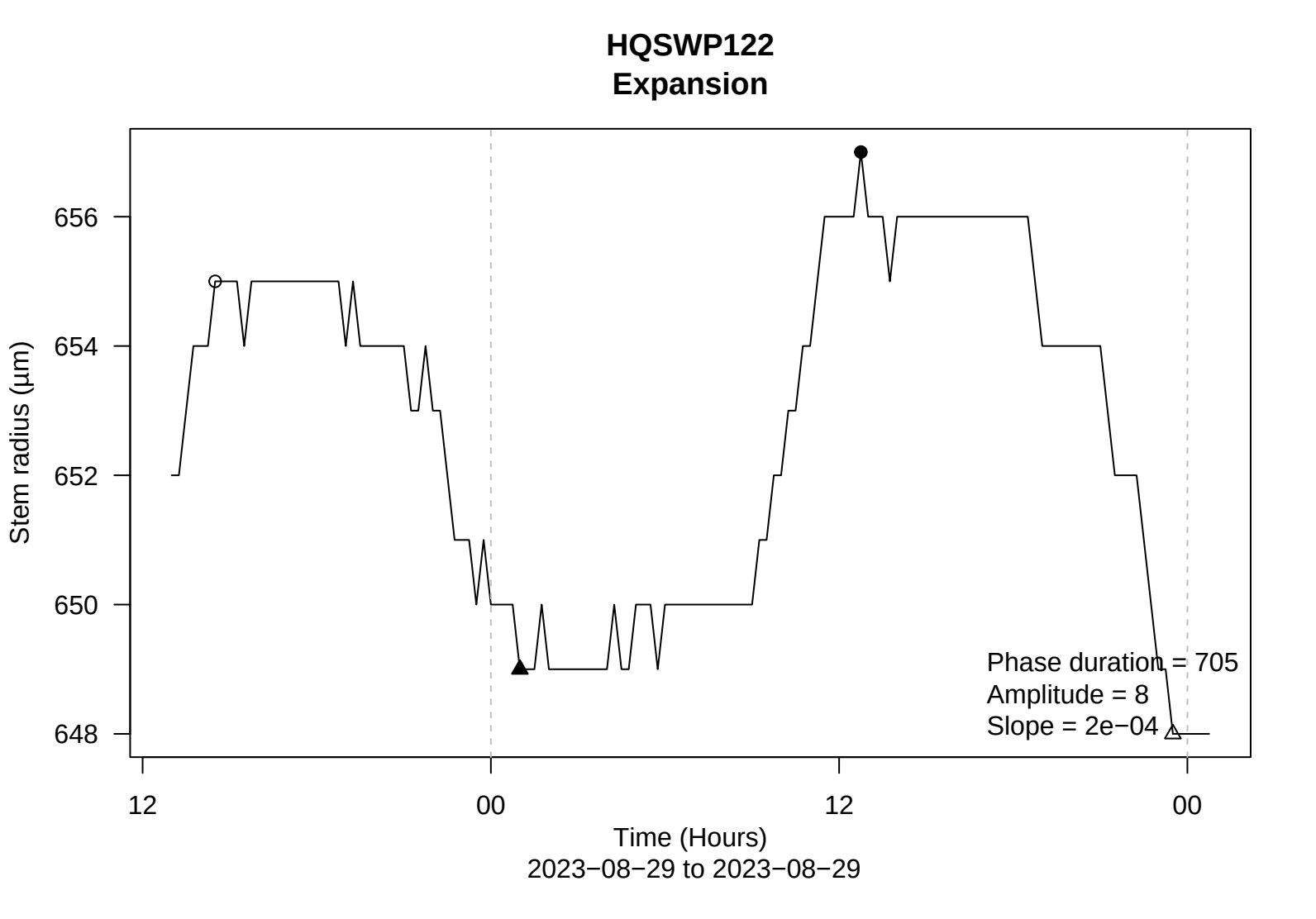

HQSWP122
Shrinkage
635
630
625
620
615
Stem radius (µm)
Phase duration = 495
Amplitude = −6
Slope = −2e−04
12
00
12
Time (Hours)
2023−08−26 to 2023−08−26

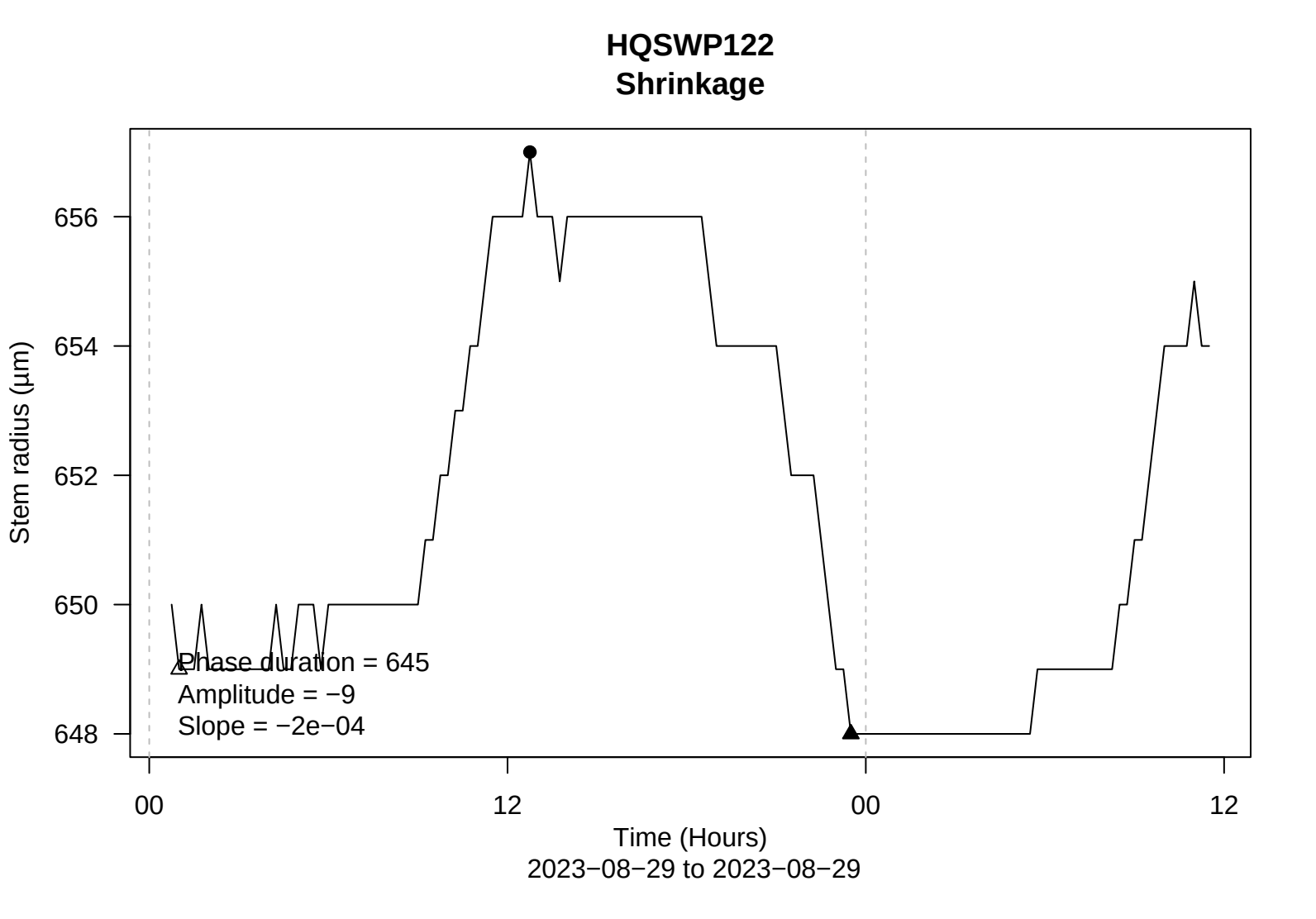

HQSWP122
Expansion
640
635
630
625
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−08−26 to 2023−08−27
Phase duration = 960
Amplitude = 18
Slope = 4e−04

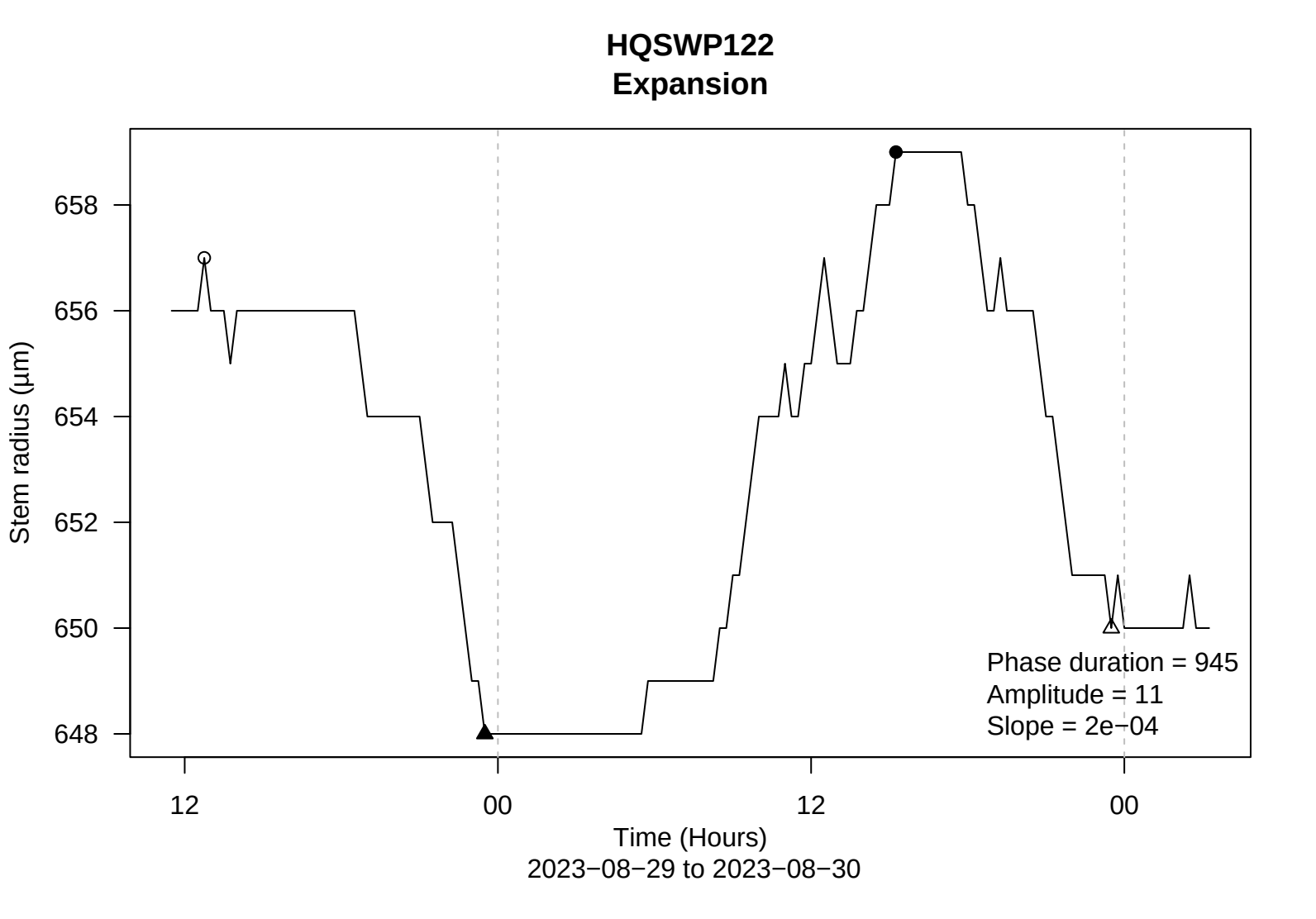

HQSWP122
Shrinkage
650
645
640
635
630
625
Stem radius (µm)
Phase duration = 510
Amplitude = −8
Slope = −2e−04
12
00
12
Time (Hours)
2023−08−27 to 2023−08−27

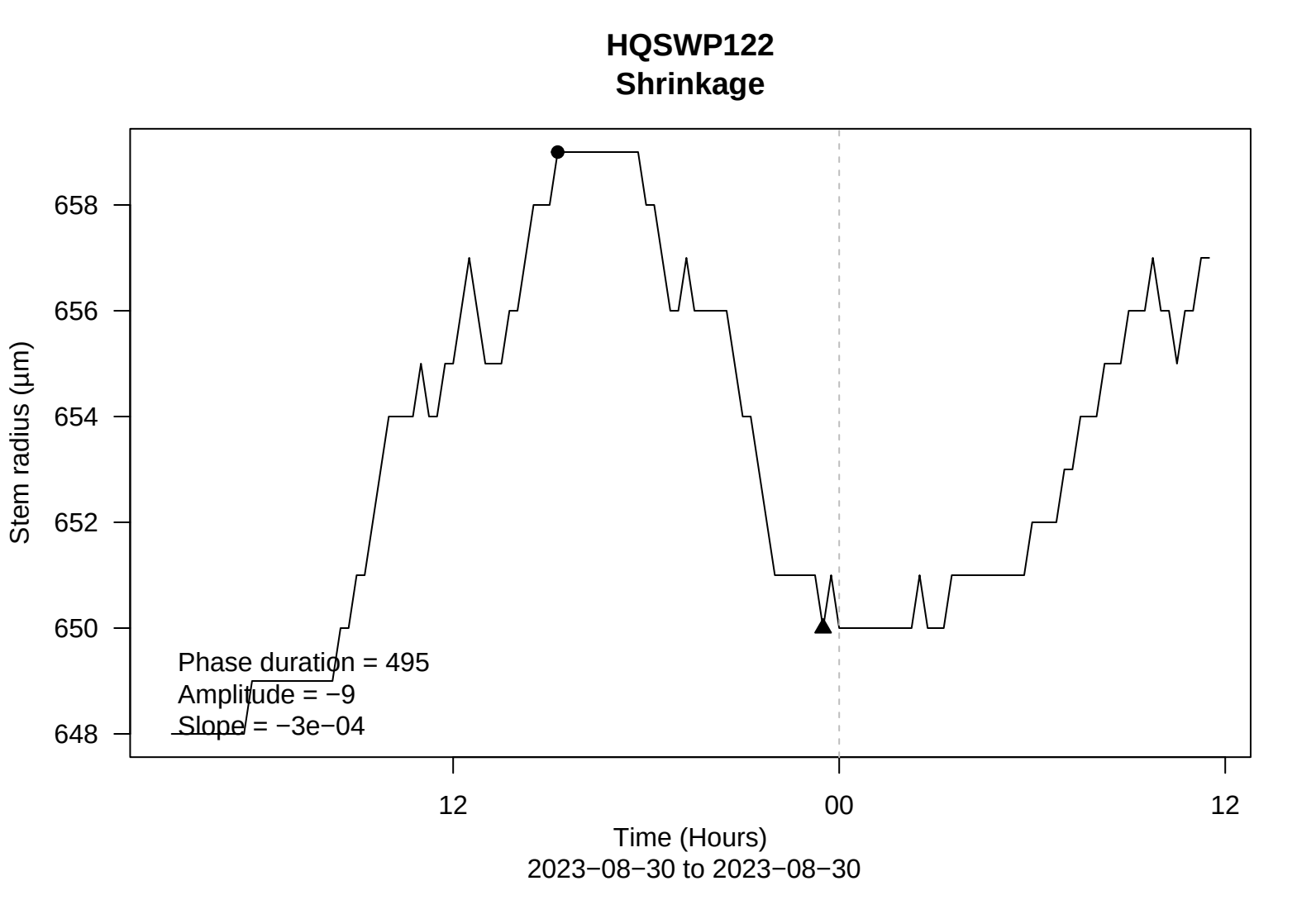

HQSWP122
Expansion
655
650
645
640
635
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−08−27 to 2023−08−28
Phase duration = 885
Amplitude = 21
Slope = 5e−04

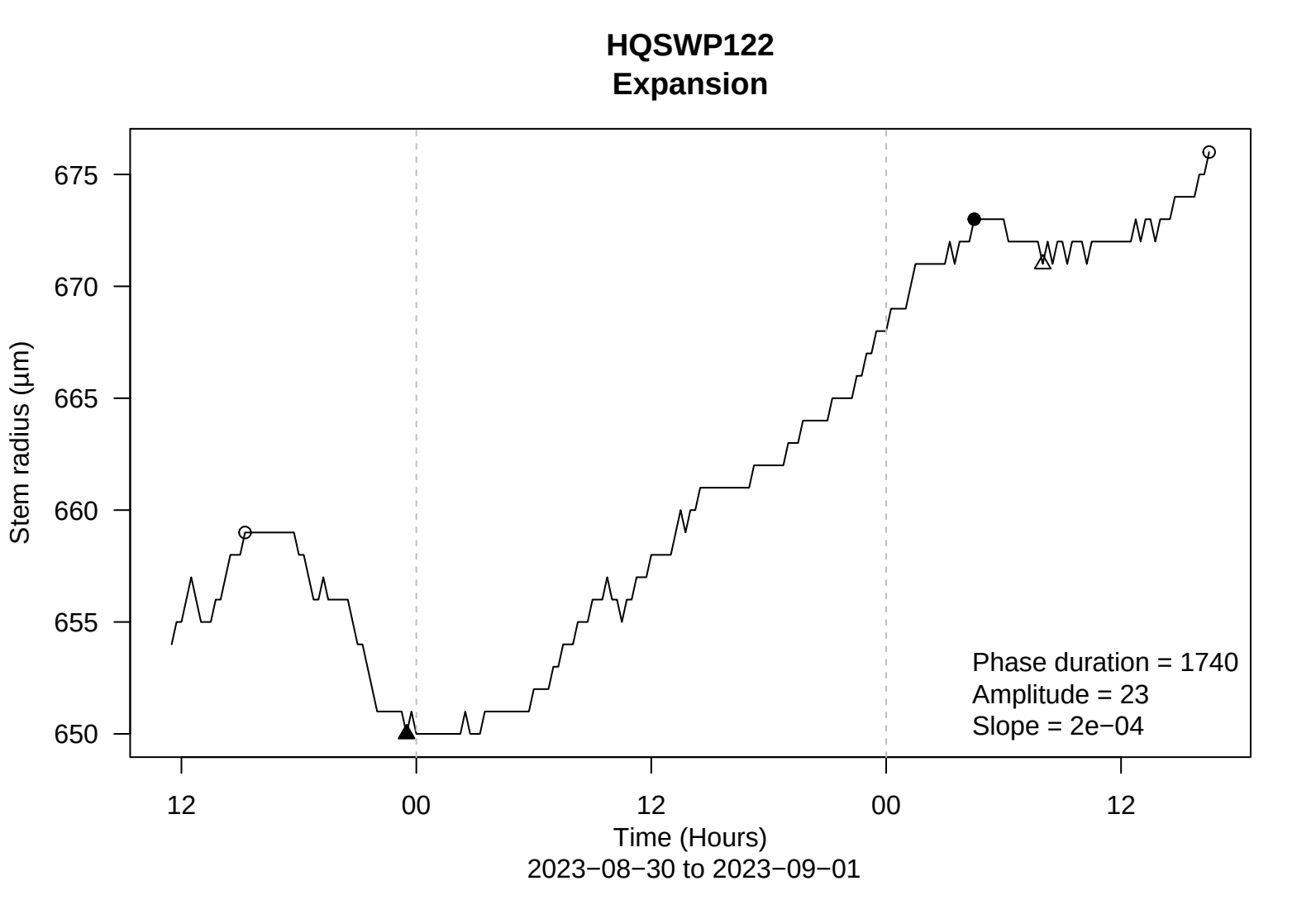

HQSWP122
Shrinkage
Stem radius (µm)
655
650
645
640
635
Phase duration = 630
Amplitude = −6
Slope = −1e−04
12
00
12
Time (Hours)
2023−08−28 to 2023−08−29

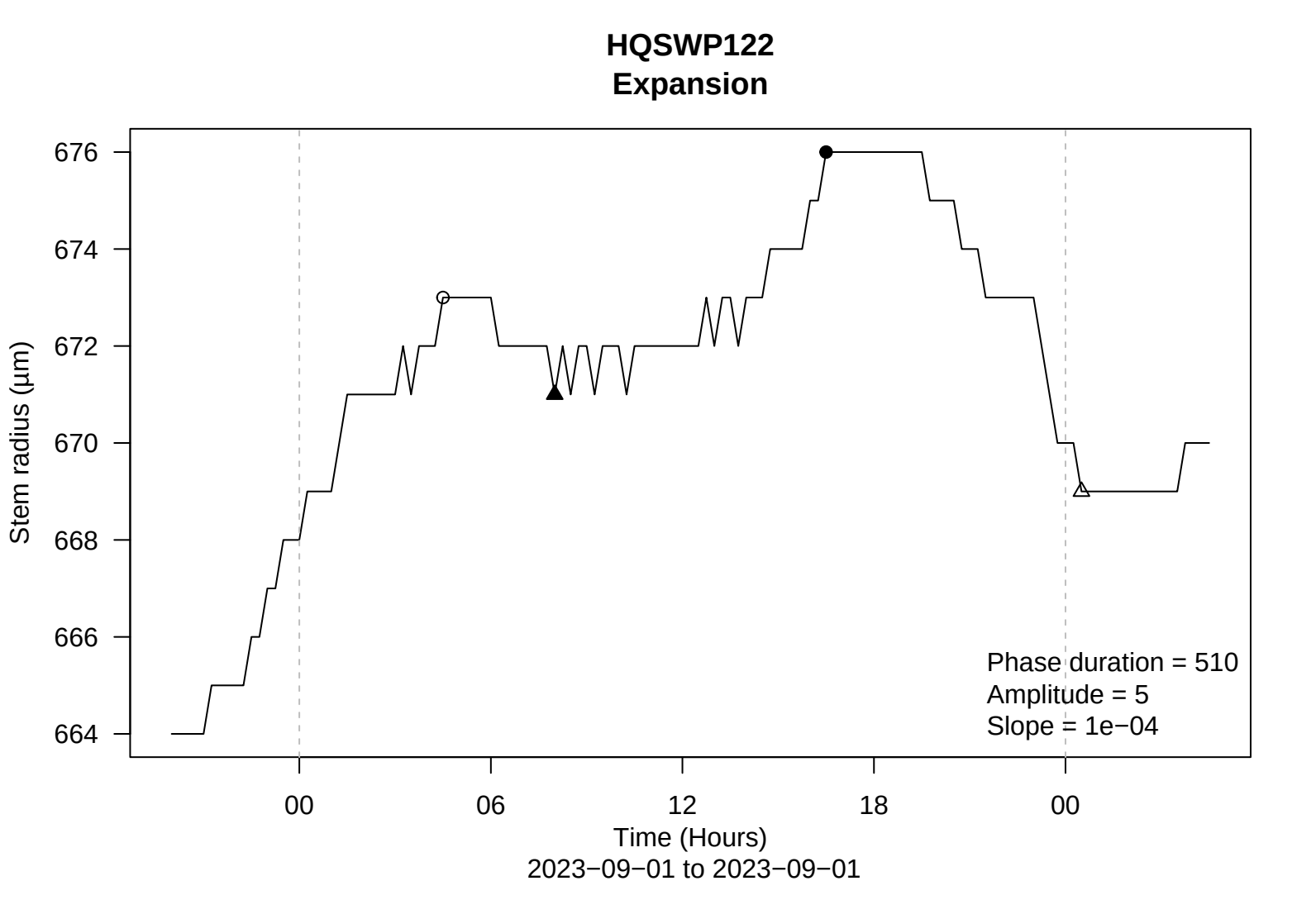

HQSWP122
Expansion
Stem radius (µm)
656
654
652
650
648
12
00
12
00
Time (Hours)
2023−08−29 to 2023−08−29
Phase duration = 705
Amplitude = 8
Slope = 2e−04

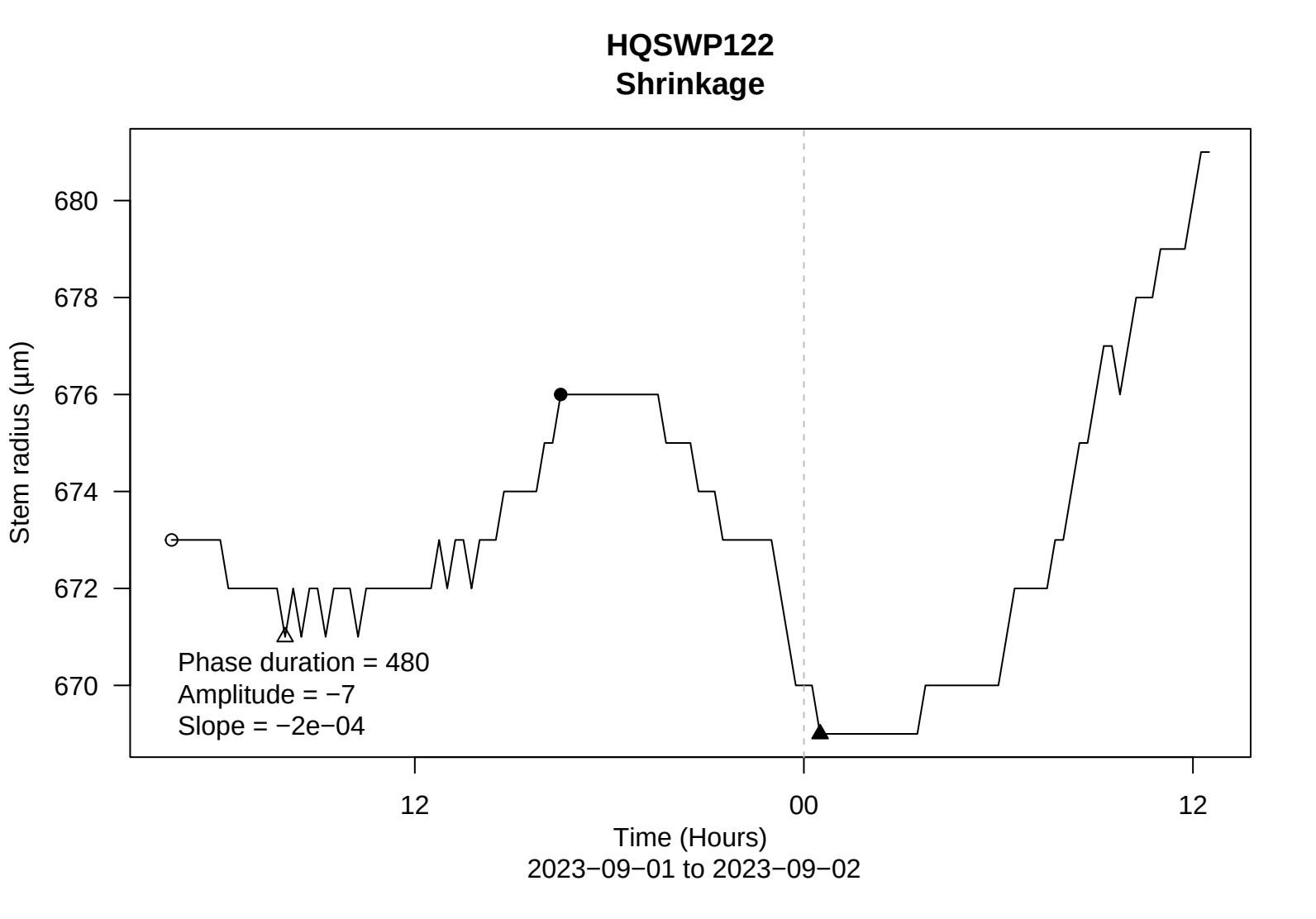

HQSWP122
Shrinkage
Stem radius (µm)
656
654
652
650
648
Phase duration = 645
Amplitude = −9
Slope = −2e−04
00
12
00
12
Time (Hours)
2023−08−29 to 2023−08−29

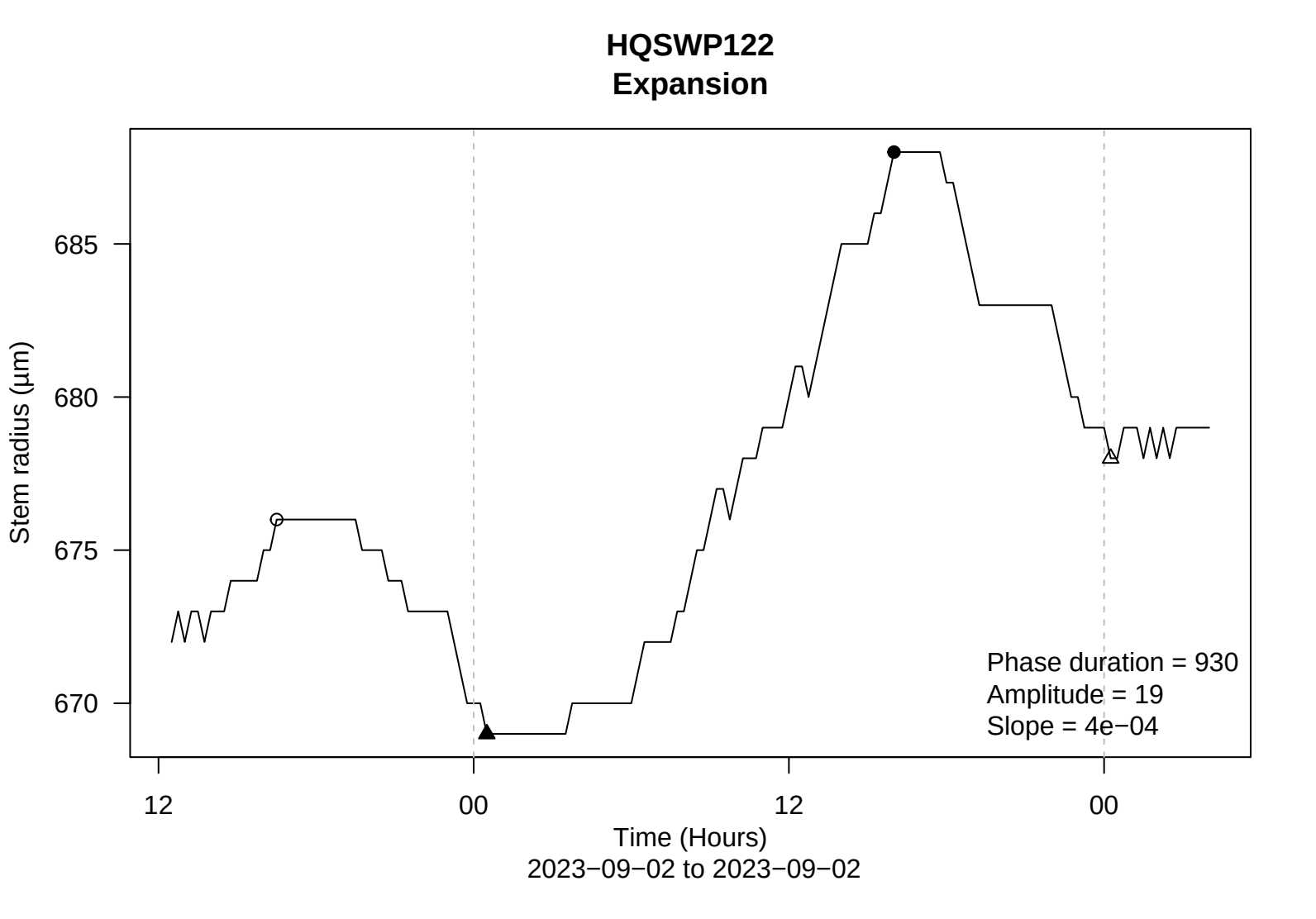

HQSWP122
Expansion
Stem radius (µm)
658
656
654
652
650
648
12
00
12
00
Time (Hours)
2023−08−29 to 2023−08−30
Phase duration = 945
Amplitude = 11
Slope = 2e−04

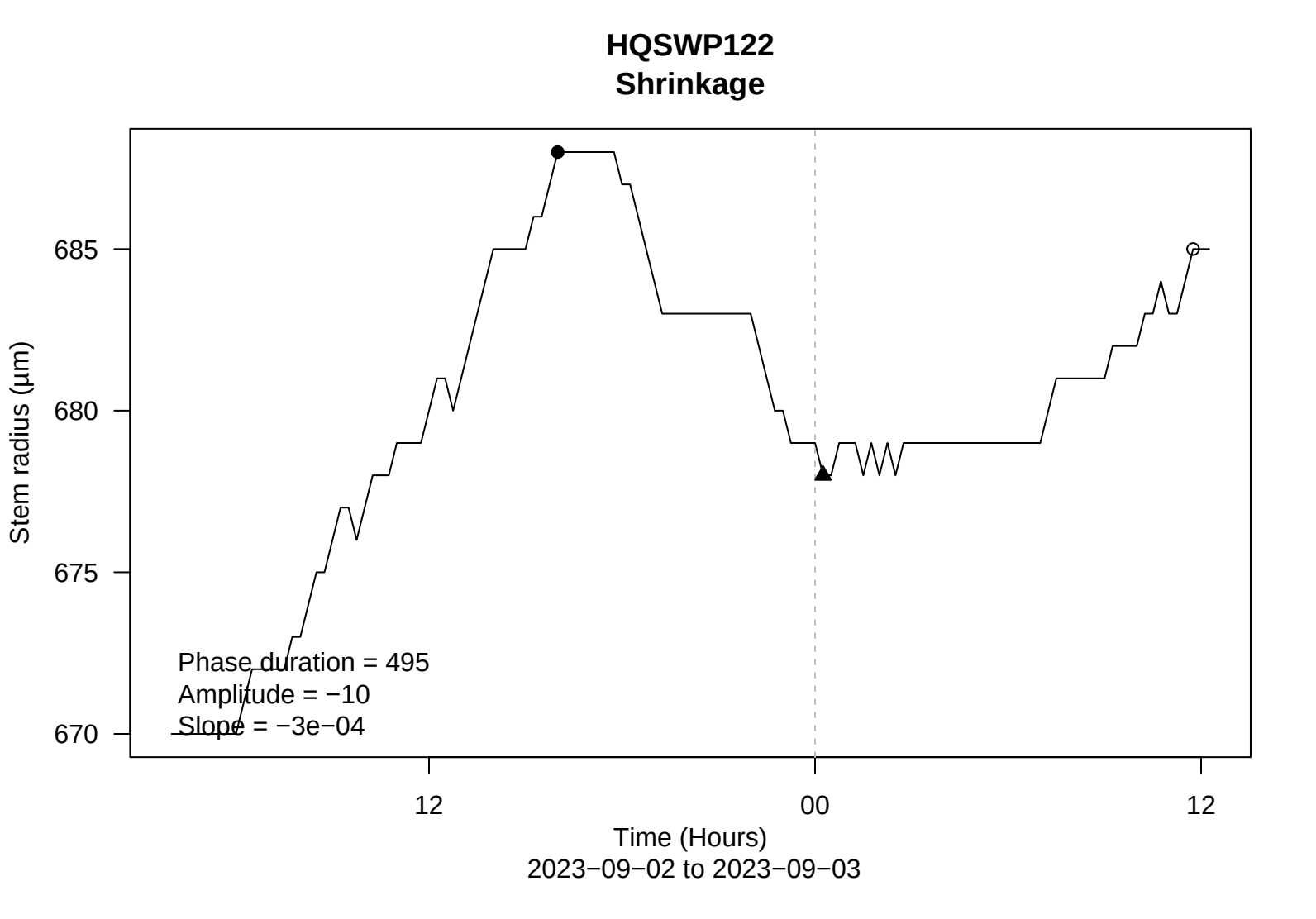

HQSWP122
Shrinkage
Stem radius (µm)
658
656
654
652
650
648
Phase duration = 495
Amplitude = −9
Slope = −3e−04
12
00
12
Time (Hours)
2023−08−30 to 2023−08−30

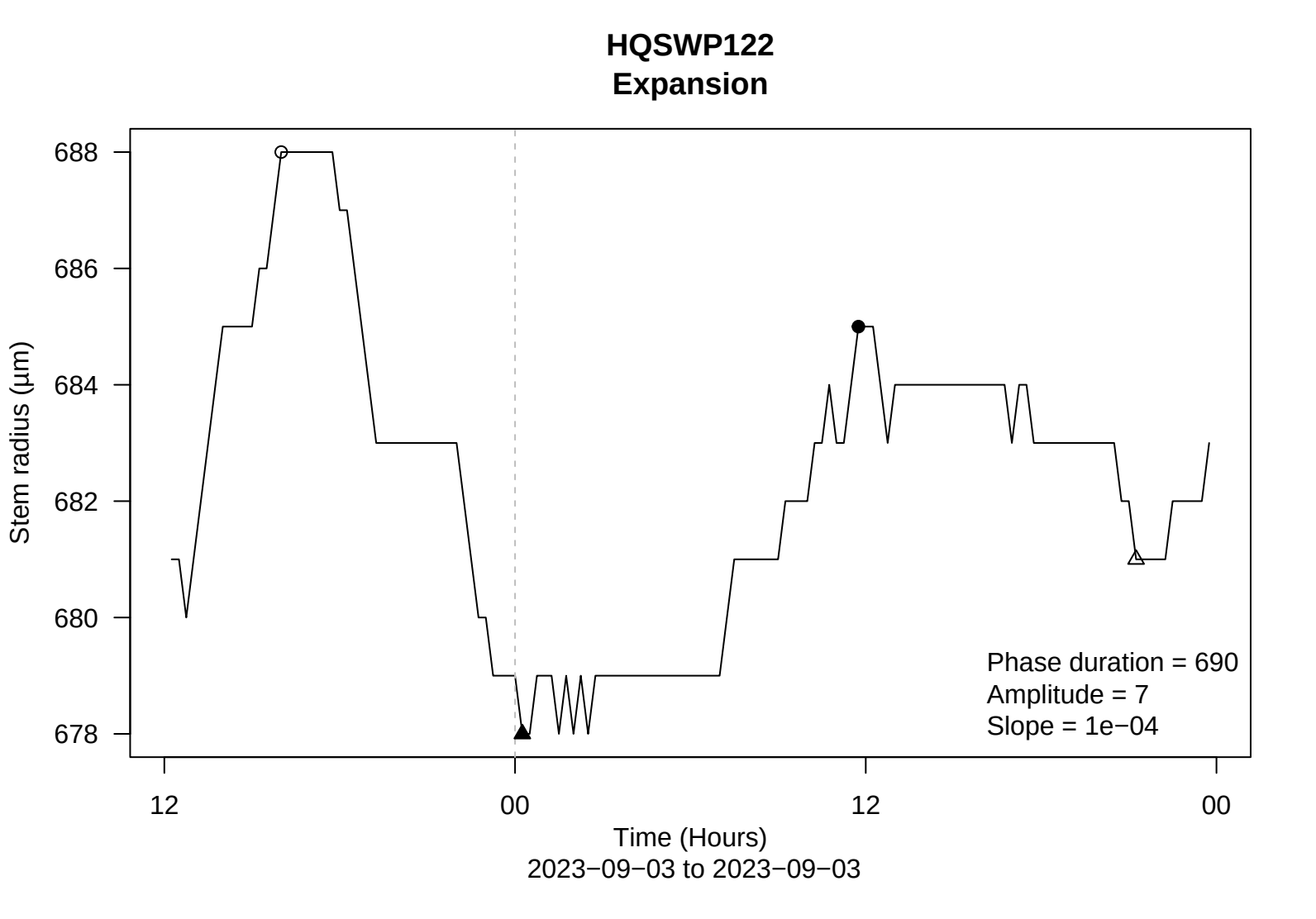

HQSWP122
Expansion
675
670
665
660
655
650
Stem radius (µm)
12
00
12
00
12
Time (Hours)
2023−08−30 to 2023−09−01
Phase duration = 1740
Amplitude = 23
Slope = 2e−04

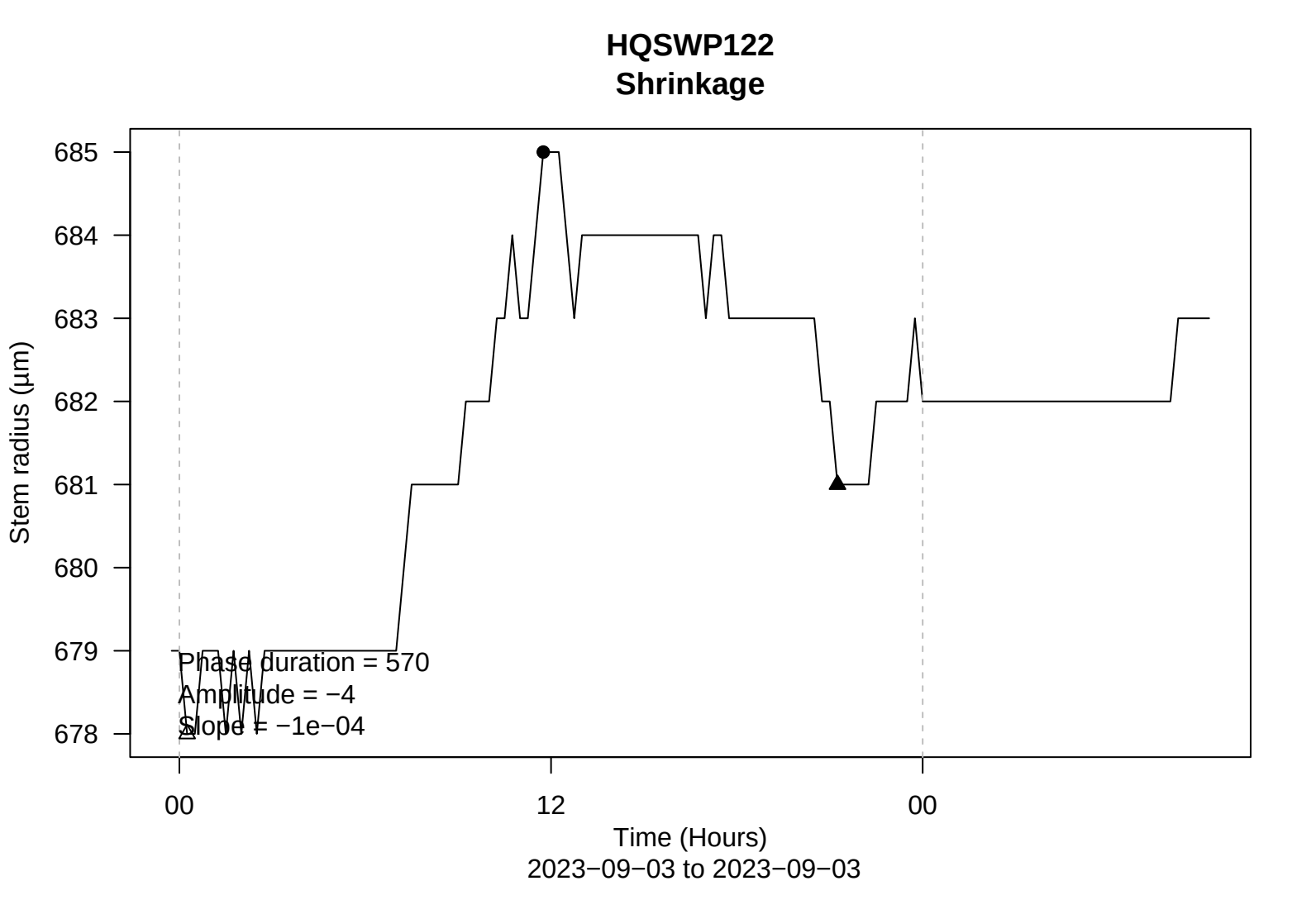

HQSWP122
Expansion
Stem radius (µm)
676
674
672
670
668
666
664
00
06
12
18
00
Time (Hours)
2023−09−01 to 2023−09−01
Phase duration = 510
Amplitude = 5
Slope = 1e−04

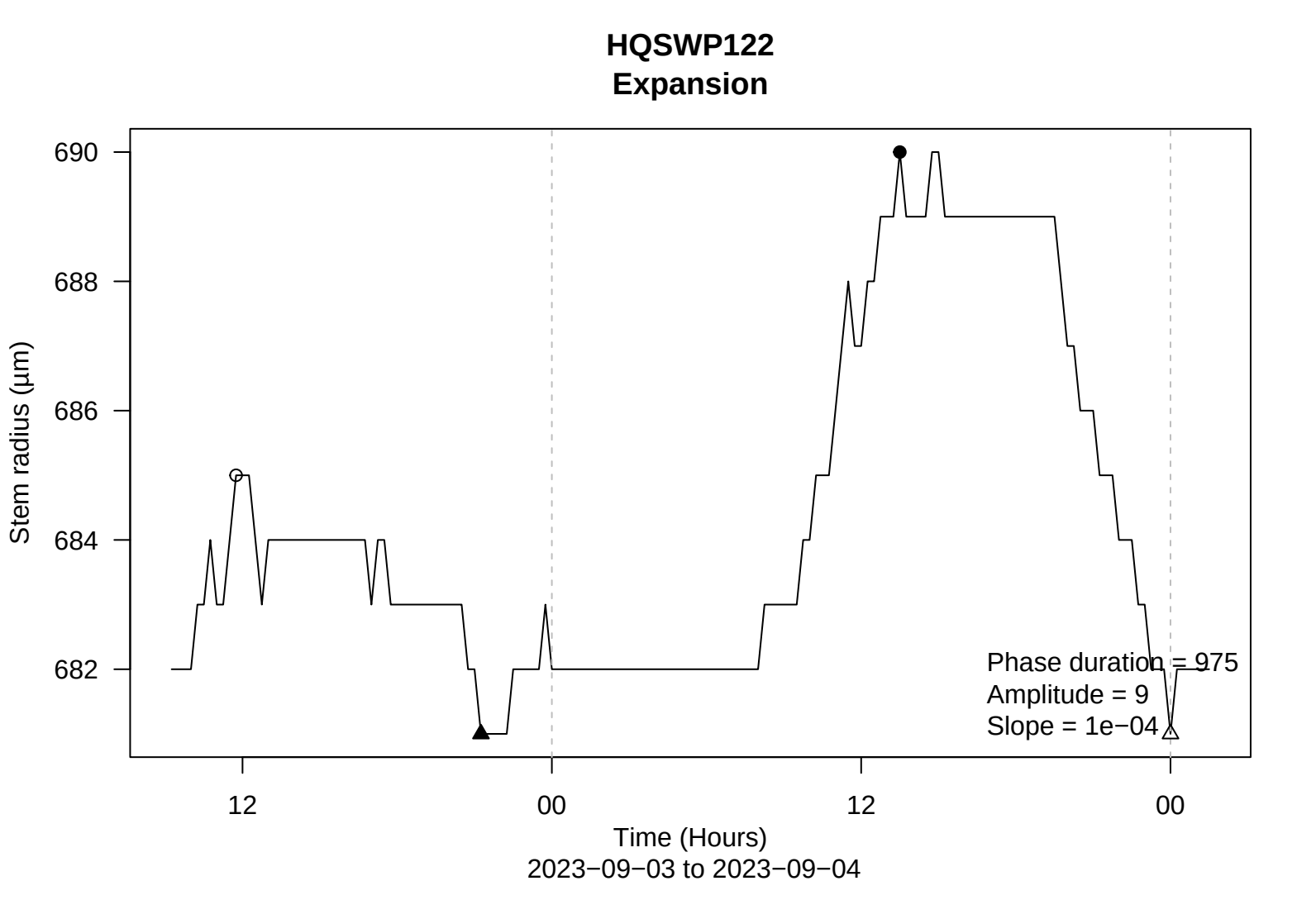

HQSWP122
Shrinkage
680
678
676
674
672
670
Stem radius (µm)
Phase duration = 480
Amplitude = −7
Slope = −2e−04
12
00
12
Time (Hours)
2023−09−01 to 2023−09−02

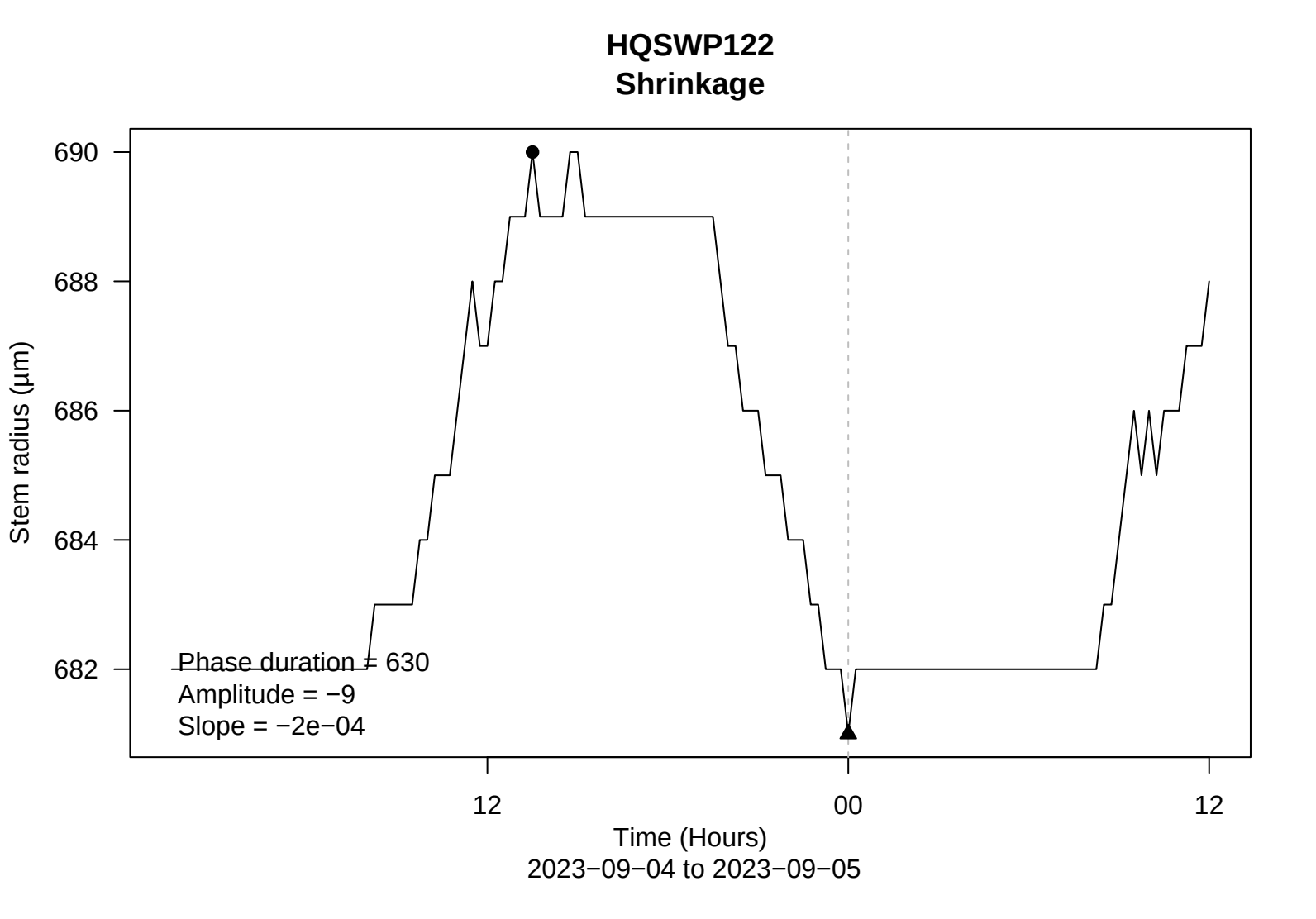

HQSWP122
Expansion
685
680
675
670
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−09−02 to 2023−09−02
Phase duration = 930
Amplitude = 19
Slope = 4e−04

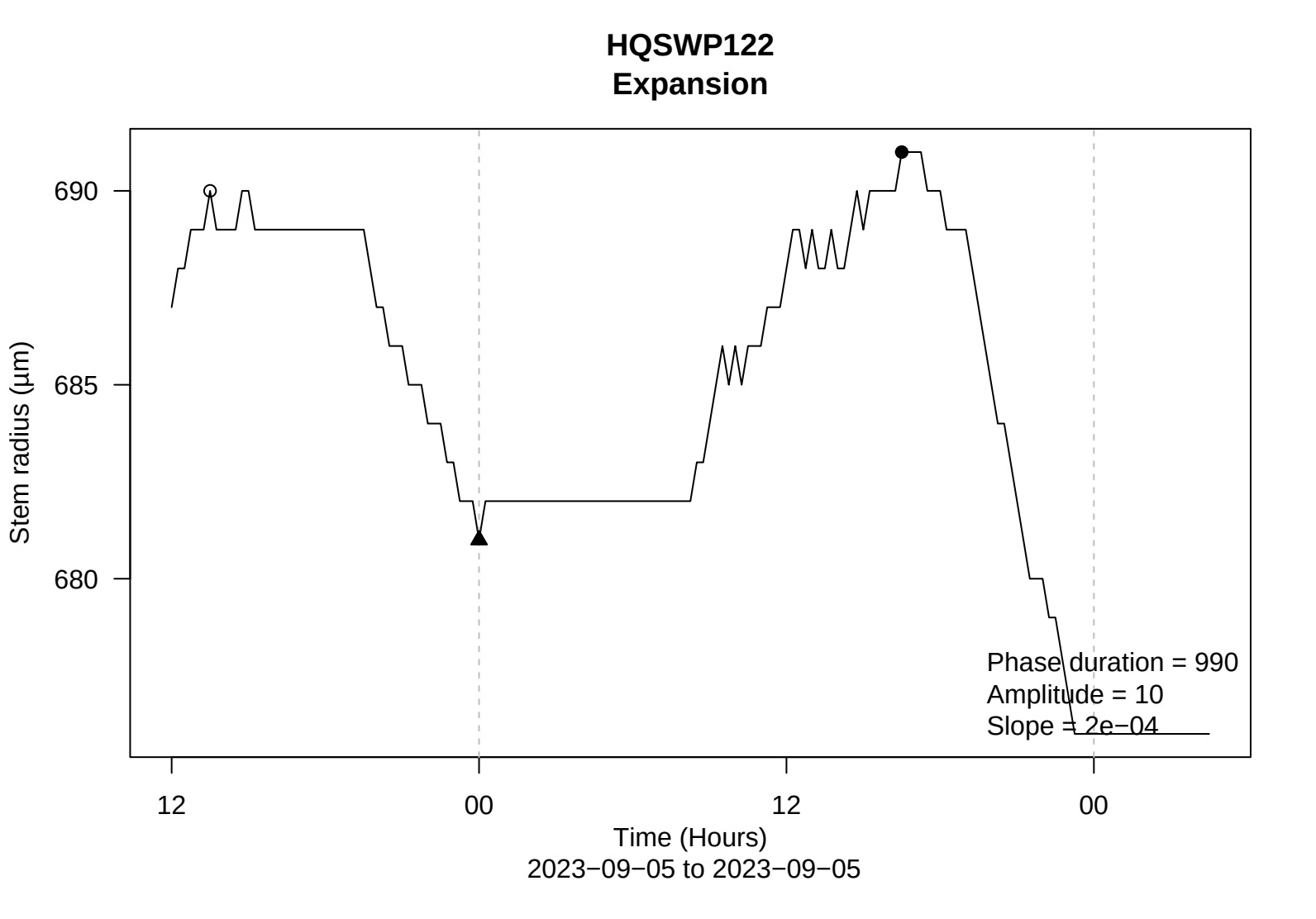

HQSWP122
Shrinkage
685
680
675
670
Stem radius (µm)
Phase duration = 495
Amplitude = −10
Slope = −3e−04
12
00
12
Time (Hours)
2023−09−02 to 2023−09−03

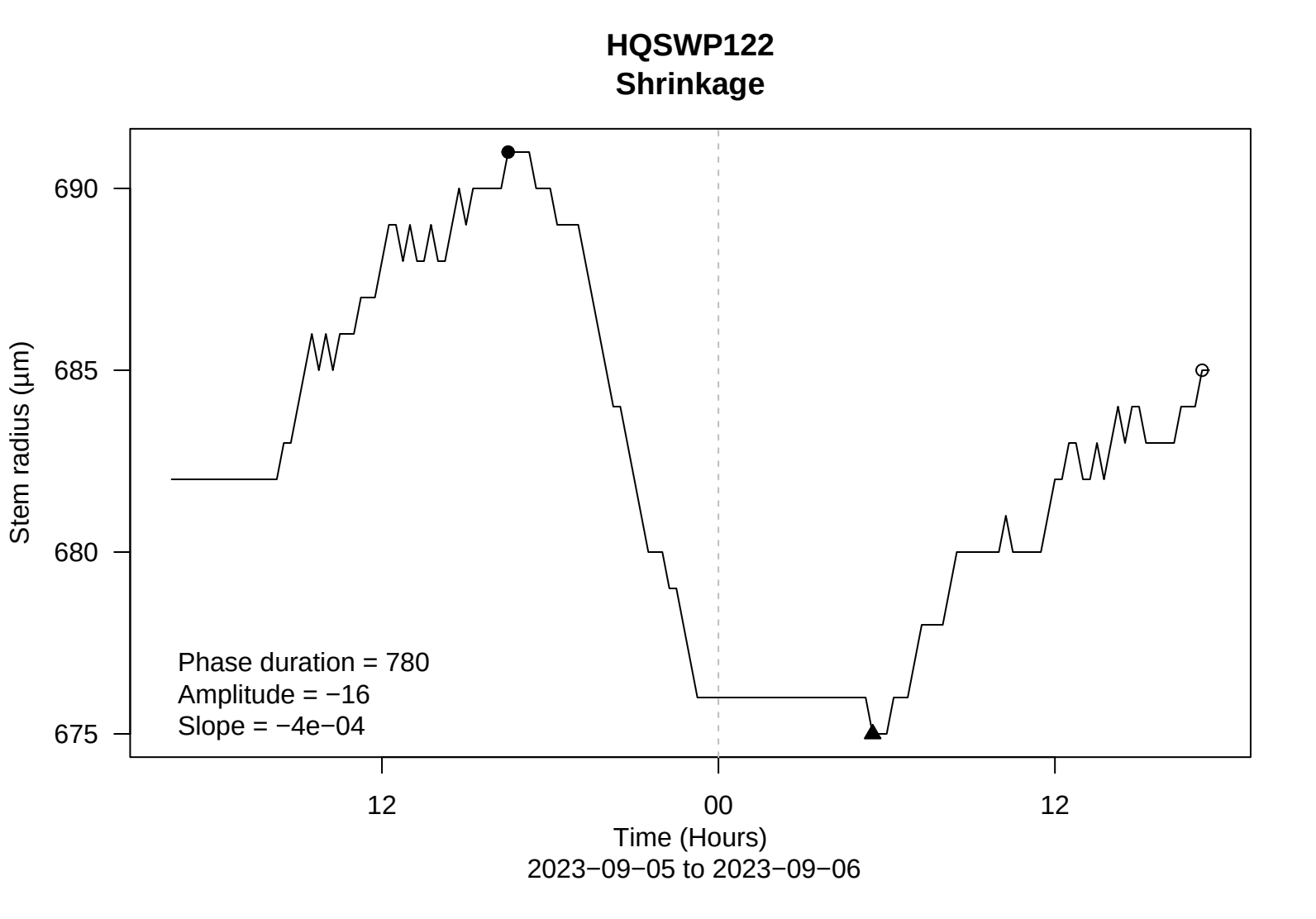

HQSWP122
Expansion
688
686
684
682
680
678
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−09−03 to 2023−09−03
Phase duration = 690
Amplitude = 7
Slope = 1e−04

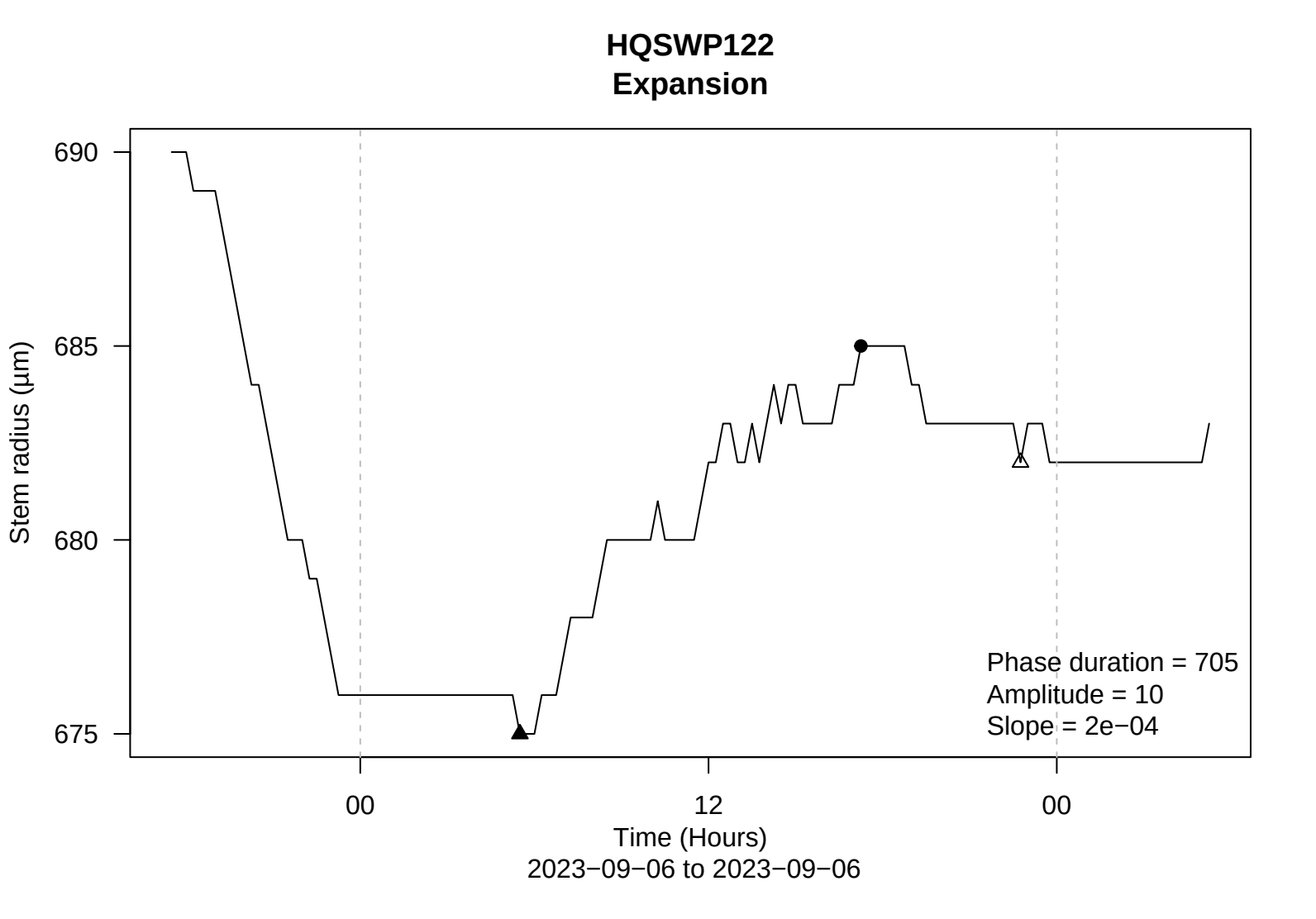

HQSWP122
Shrinkage
685
684
683
682
681
680
679
678
Stem radius (µm)
Phase duration = 570
Amplitude = −4
Slope = −1e−04
00
12
00
Time (Hours)
2023−09−03 to 2023−09−03

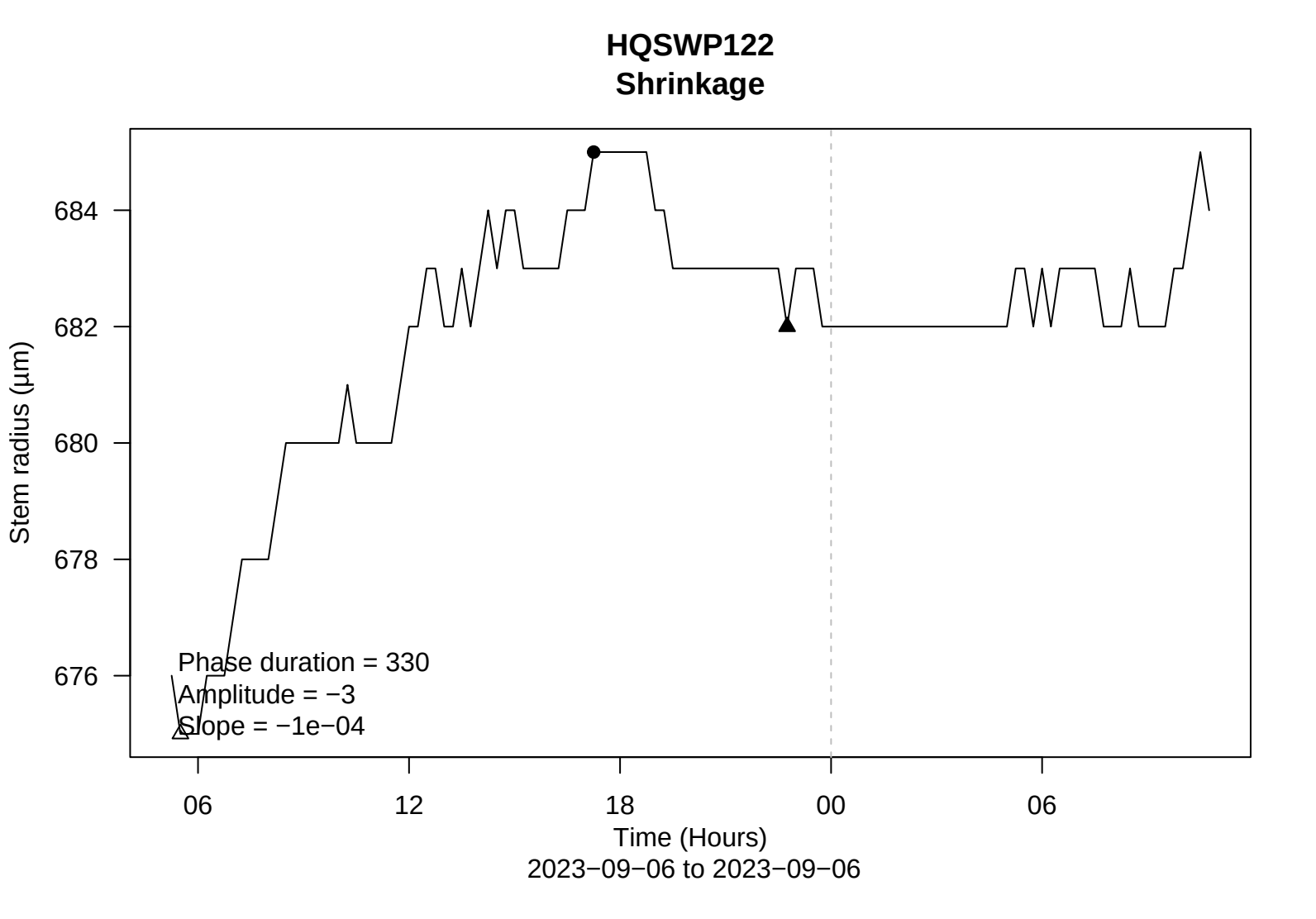

HQSWP122
Expansion
690
688
686
684
682
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−09−03 to 2023−09−04
Phase duration = 975
Amplitude = 9
Slope = 1e−04

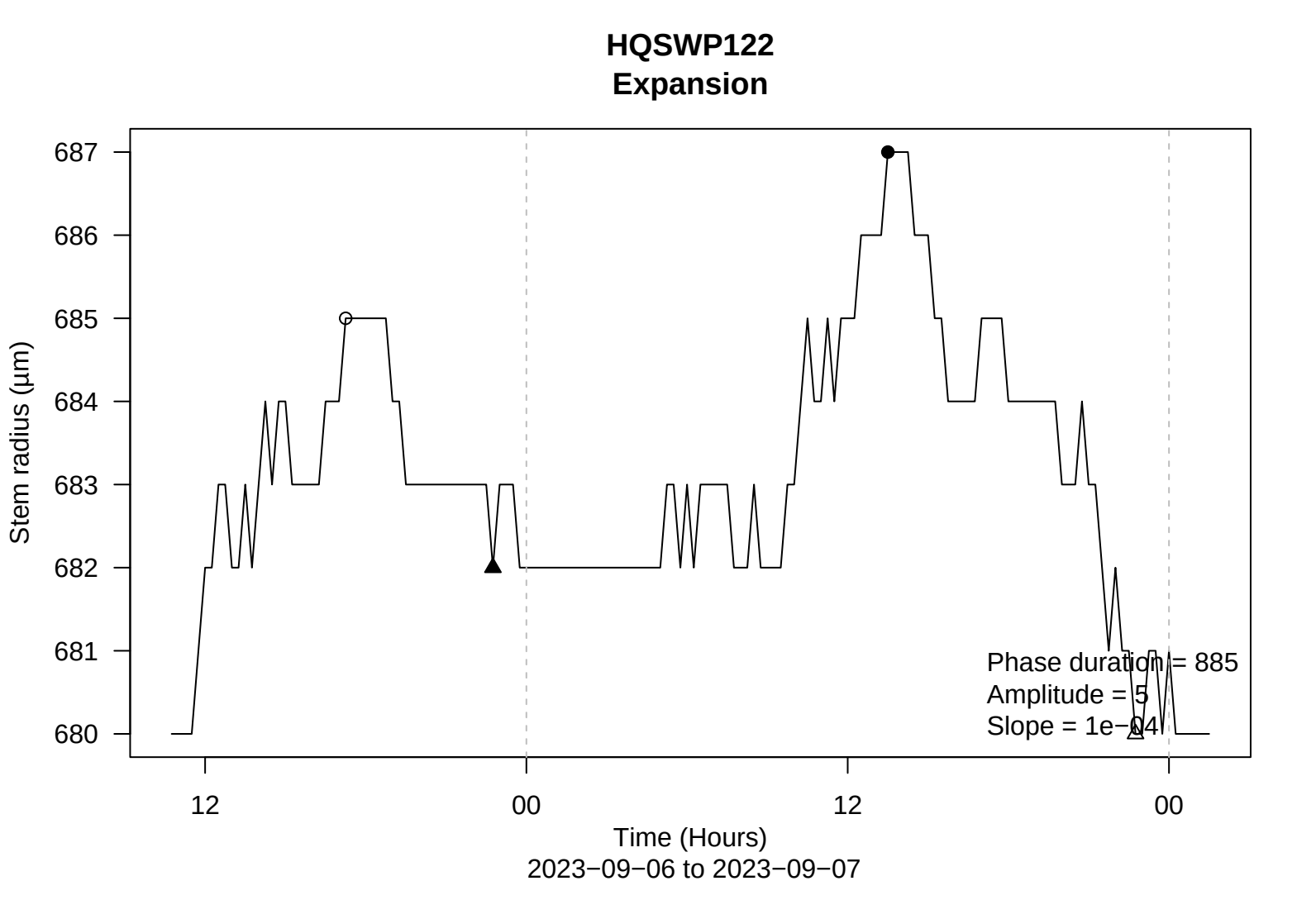

HQSWP122
Shrinkage
690
688
686
684
682
Stem radius (µm)
Phase duration = 630
Amplitude = −9
Slope = −2e−04
12
00
12
Time (Hours)
2023−09−04 to 2023−09−05

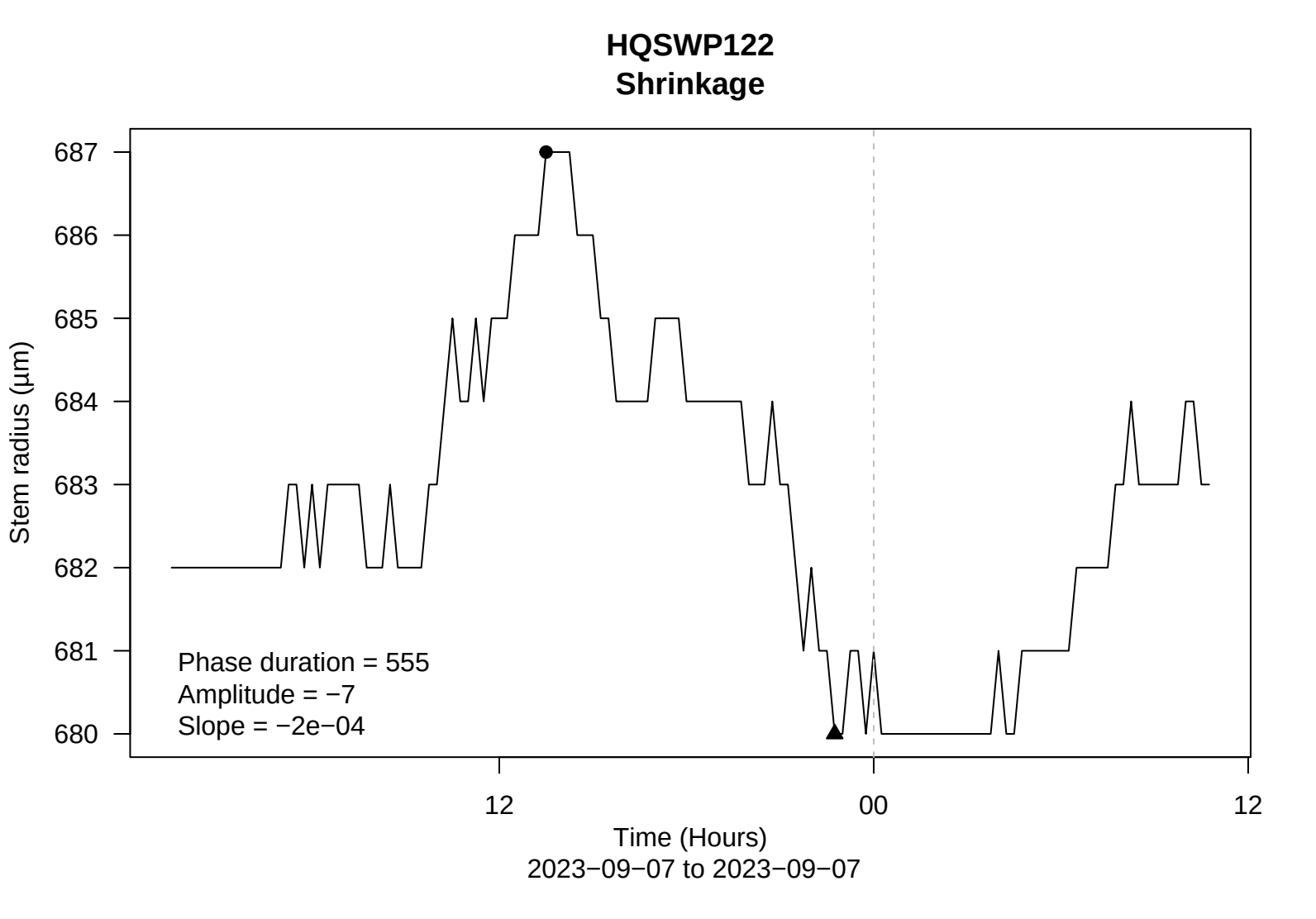

HQSWP122
Expansion
690
685
680
Stem radius (µm)
Phase duration = 990
Amplitude = 10
Slope = 2e−04
12
00
12
00
Time (Hours)
2023−09−05 to 2023−09−05

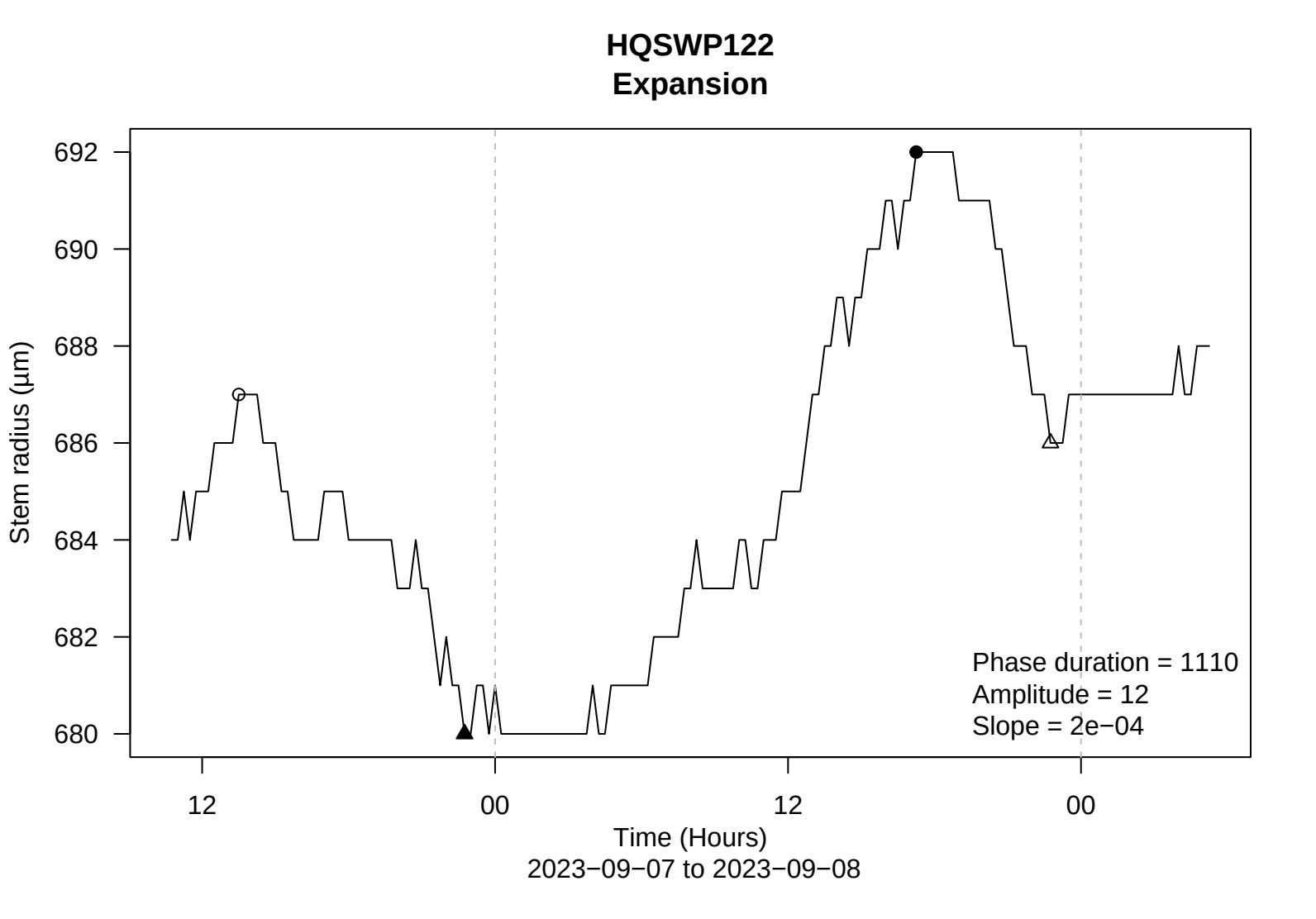

HQSWP122
Shrinkage
690
685
680
675
Stem radius (µm)
Phase duration = 780
Amplitude = −16
Slope = −4e−04
12
00
12
Time (Hours)
2023−09−05 to 2023−09−06

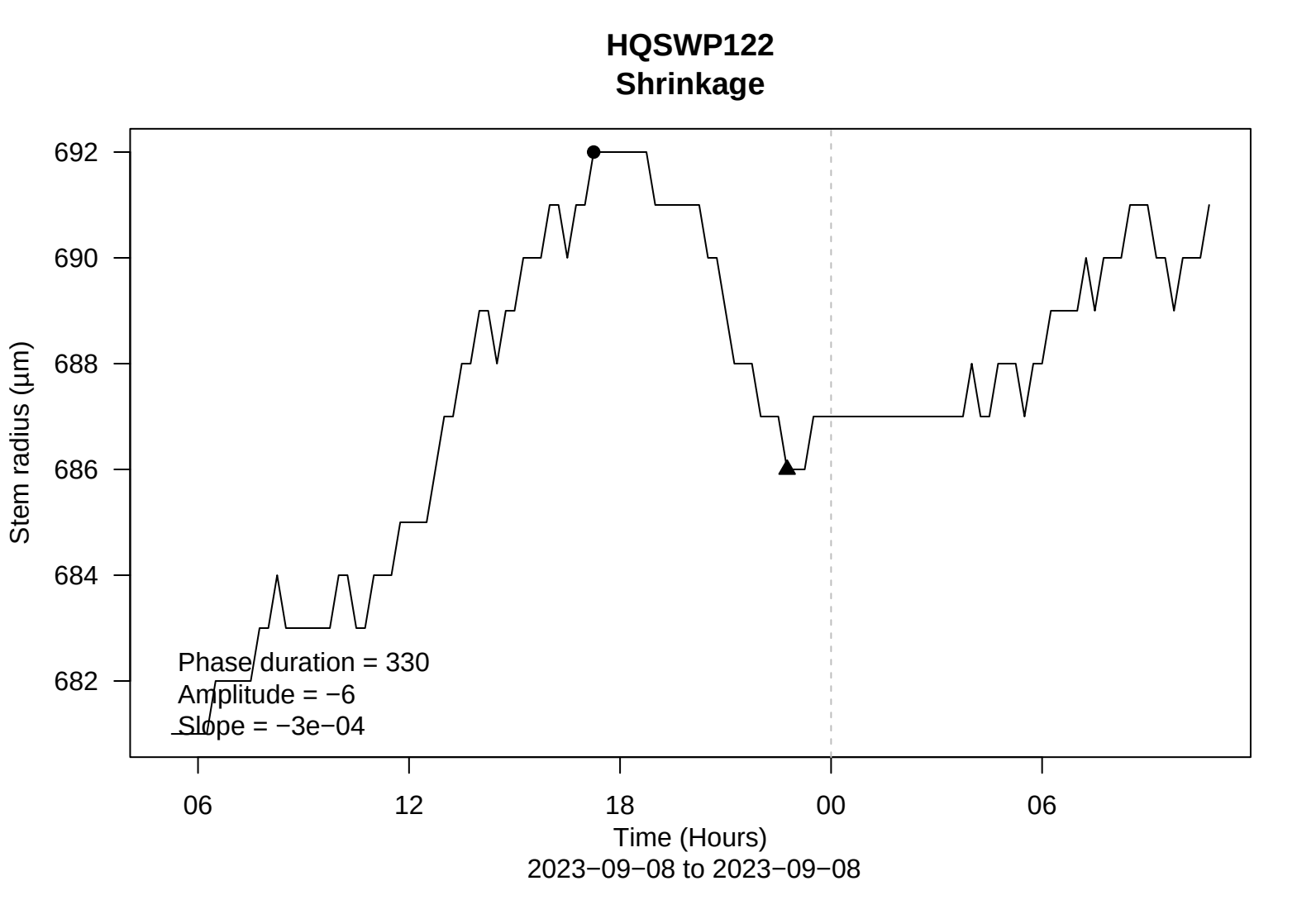

HQSWP122
Expansion
690
685
680
675
Stem radius (µm)
00
12
00
Time (Hours)
2023−09−06 to 2023−09−06
Phase duration = 705
Amplitude = 10
Slope = 2e−04

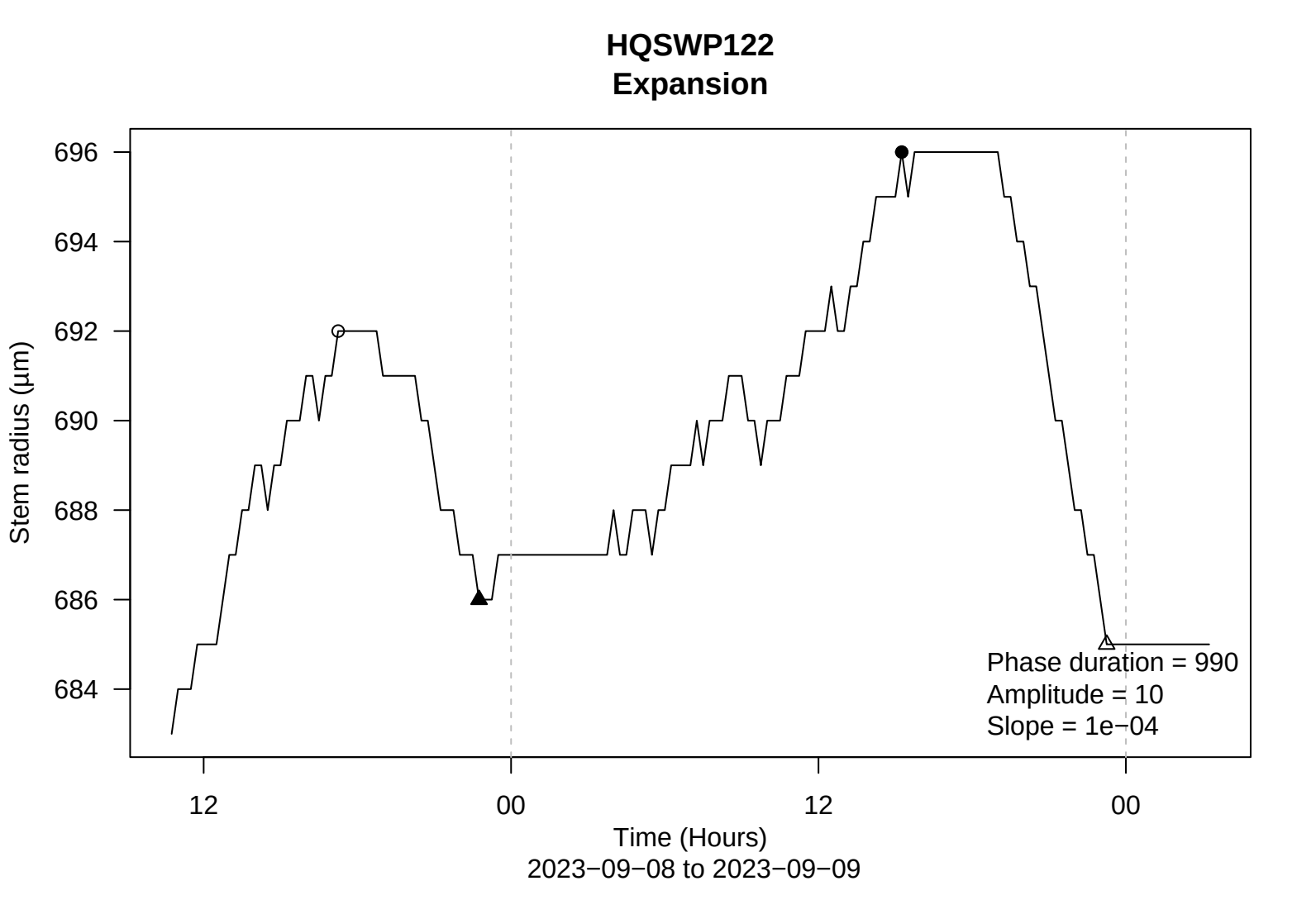

HQSWP122
Shrinkage
Stem radius (µm)
684
682
680
678
676
Phase duration = 330
Amplitude = −3
Slope = −1e−04
06
12
18
00
06
Time (Hours)
2023−09−06 to 2023−09−06

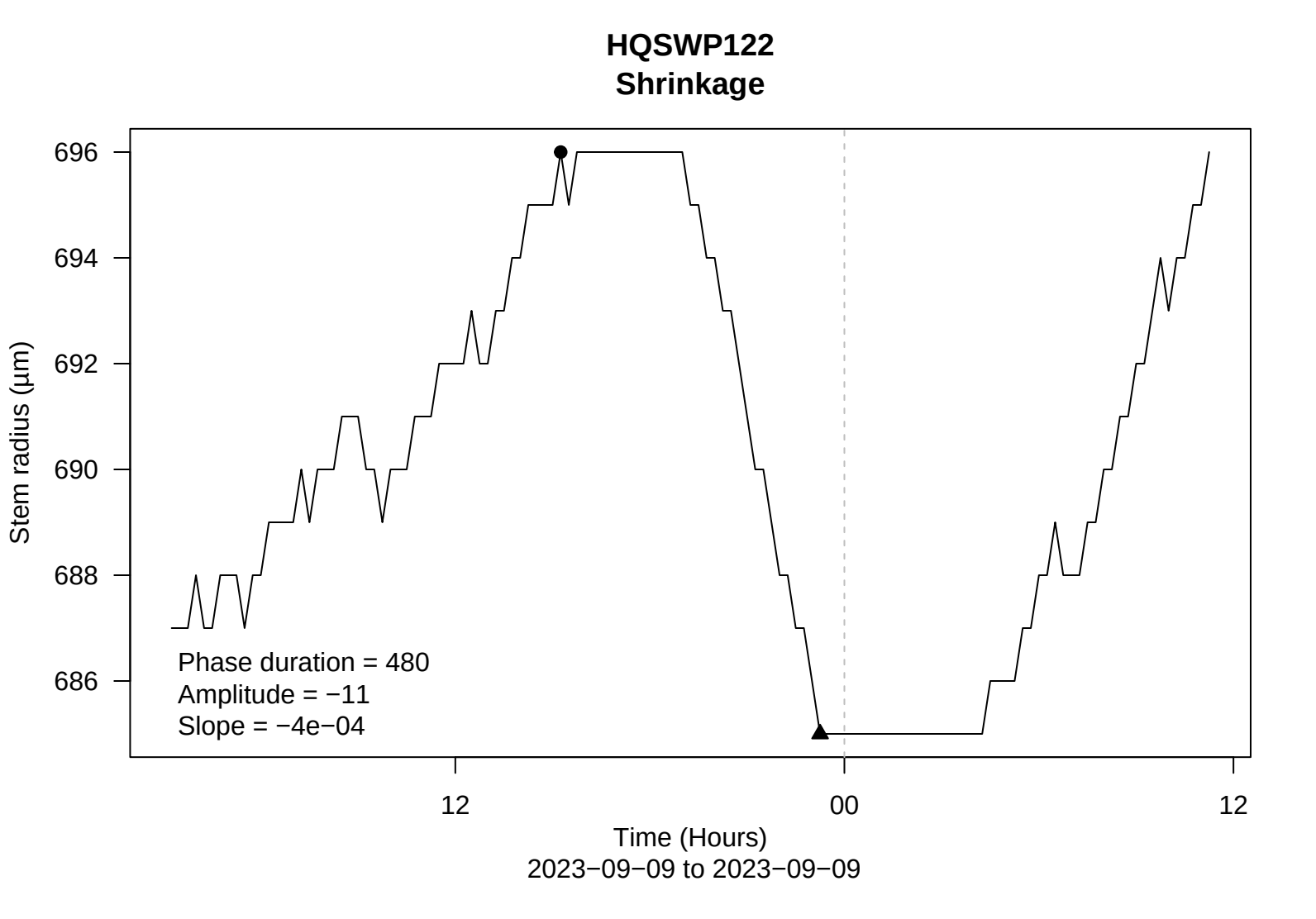

HQSWP122
Expansion
687
686
685
684
683
682
681
680
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−09−06 to 2023−09−07
Phase duration = 885
Amplitude = 5
Slope = 1e−04

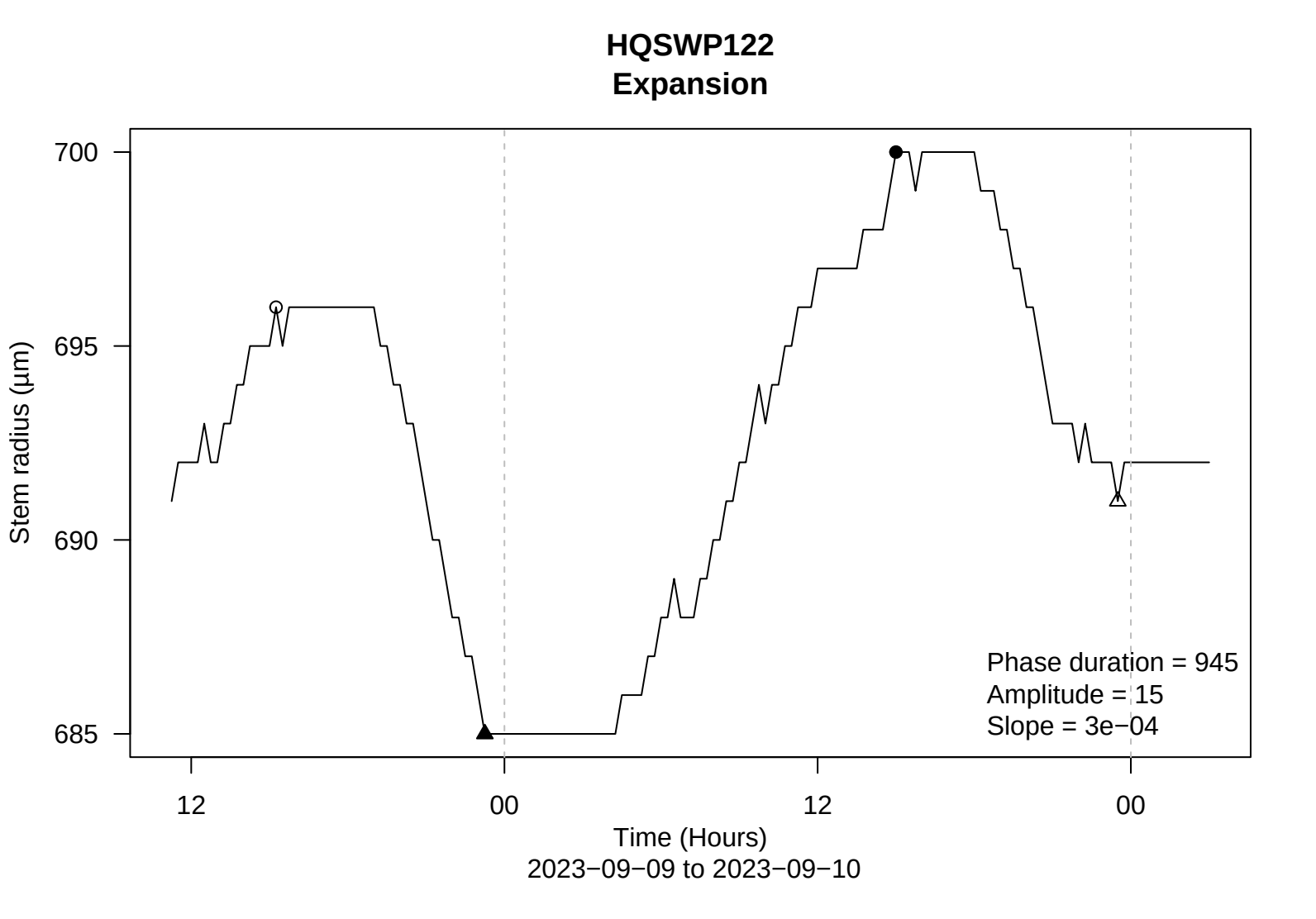

HQSWP122
Shrinkage
687
686
685
684
683
682
681
680
Stem radius (µm)
Phase duration = 555
Amplitude = −7
Slope = −2e−04
12
00
12
Time (Hours)
2023−09−07 to 2023−09−07

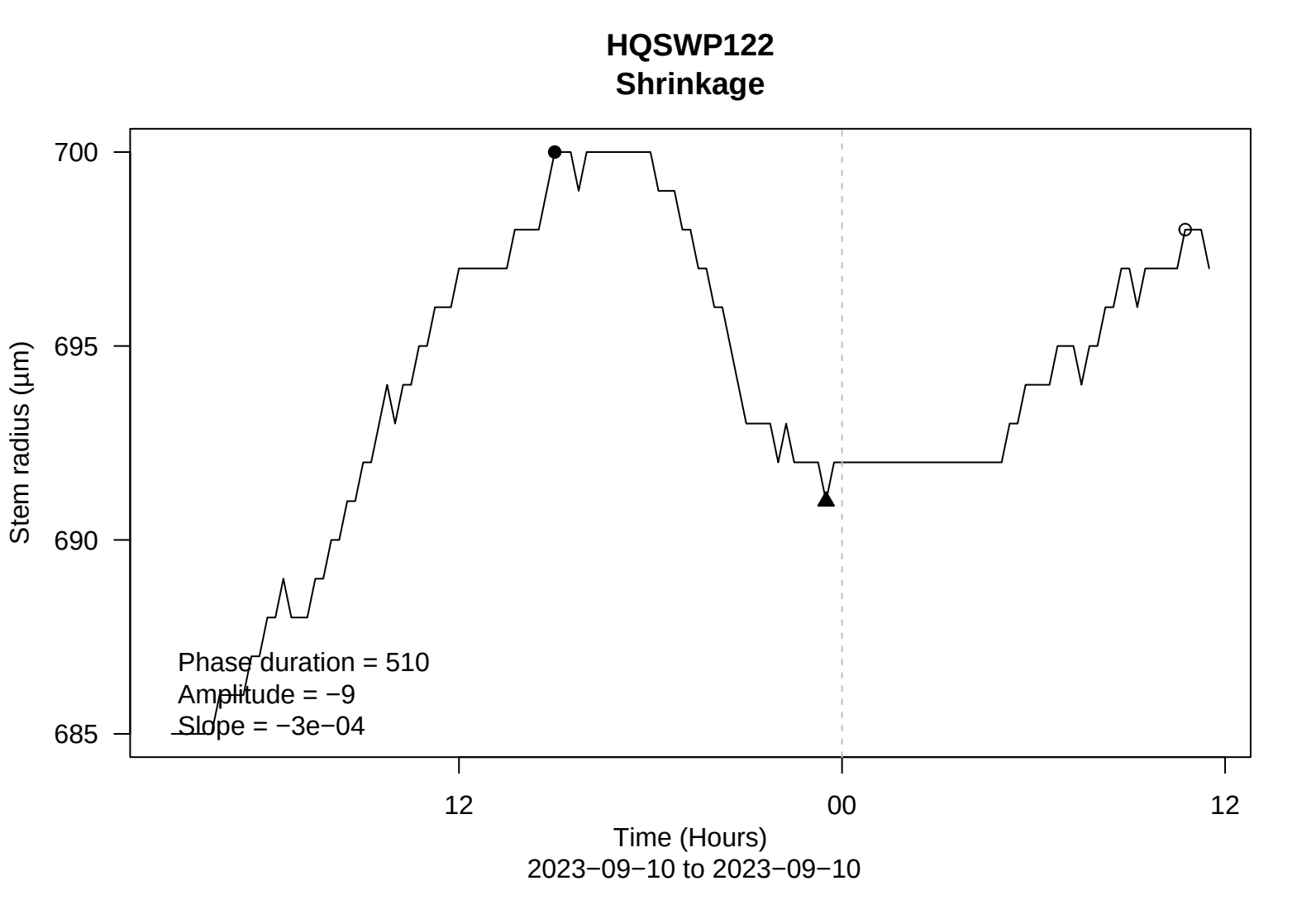

HQSWP122
Expansion
692
690
688
686
684
682
680
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−09−07 to 2023−09−08
Phase duration = 1110
Amplitude = 12
Slope = 2e−04

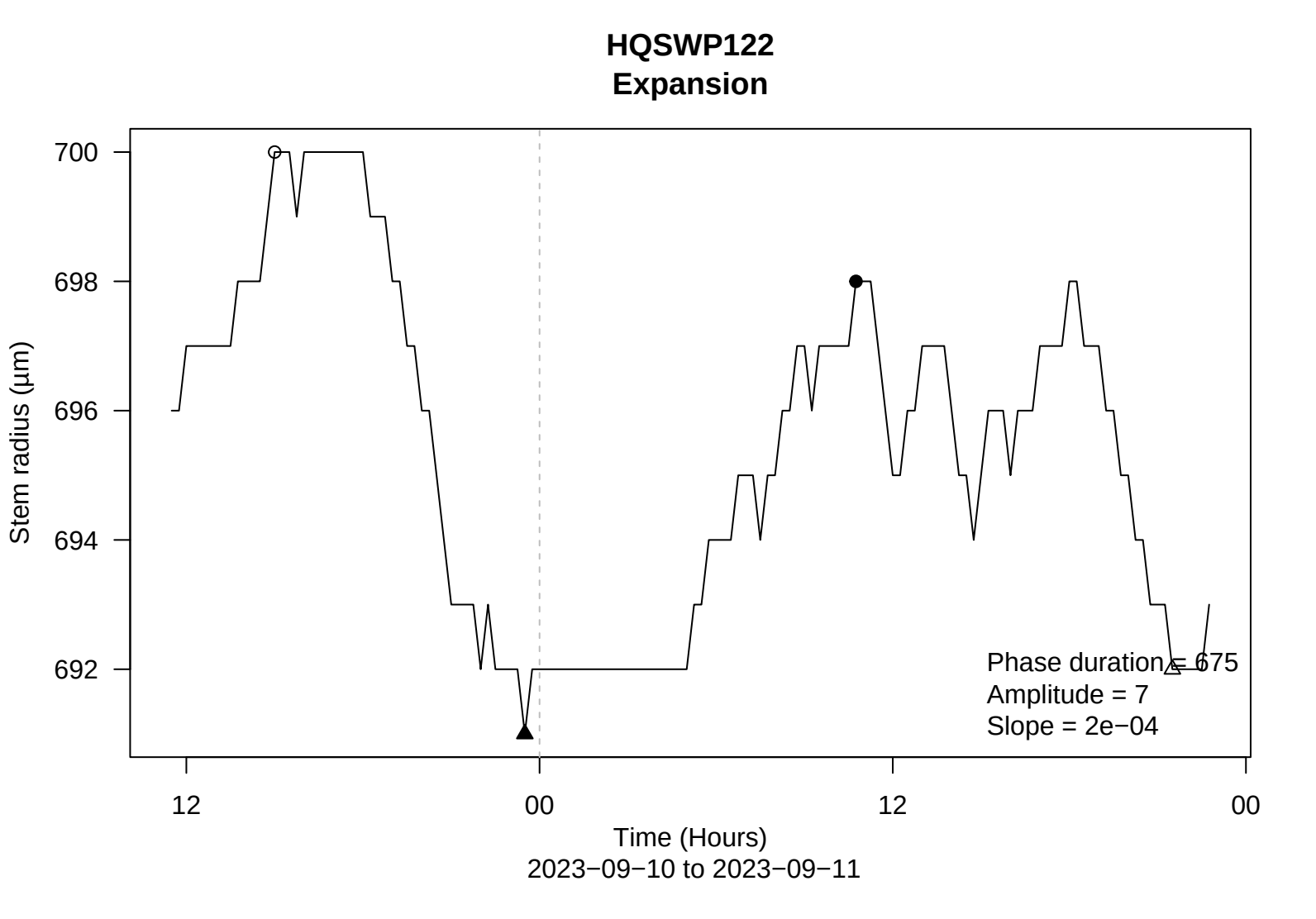

HQSWP122
Shrinkage
692
690
688
686
684
682
Stem radius (µm)
Phase duration = 330
Amplitude = −6
Slope = −3e−04
06
12
18
00
06
Time (Hours)
2023−09−08 to 2023−09−08

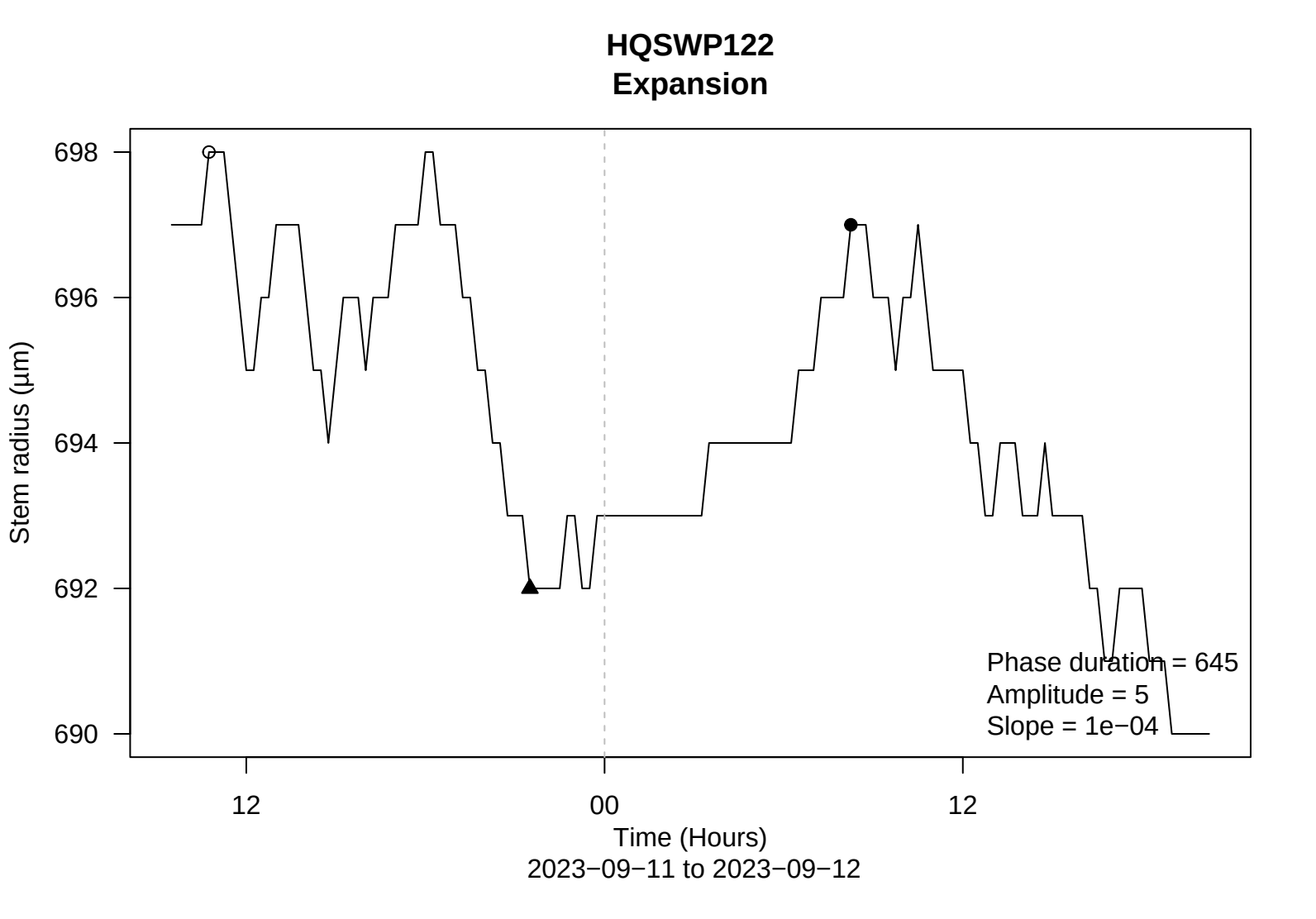

HQSWP122
Expansion
696
694
692
690
688
686
684
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−09−08 to 2023−09−09
Phase duration = 990
Amplitude = 10
Slope = 1e−04

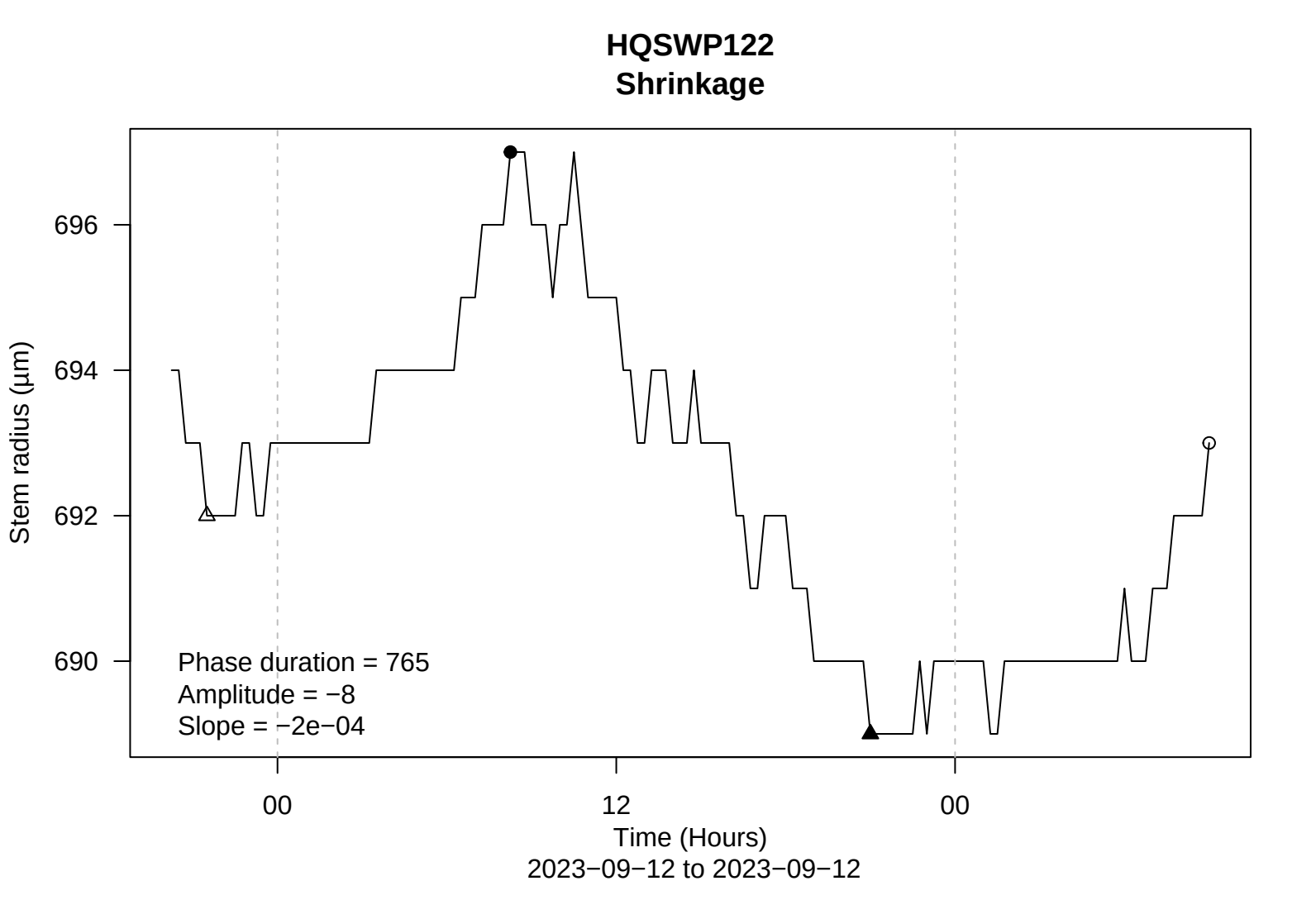

HQSWP122
Shrinkage
696
694
692
690
688
686
Stem radius (µm)
Phase duration = 480
Amplitude = −11
Slope = −4e−04
12
00
12
Time (Hours)
2023−09−09 to 2023−09−09

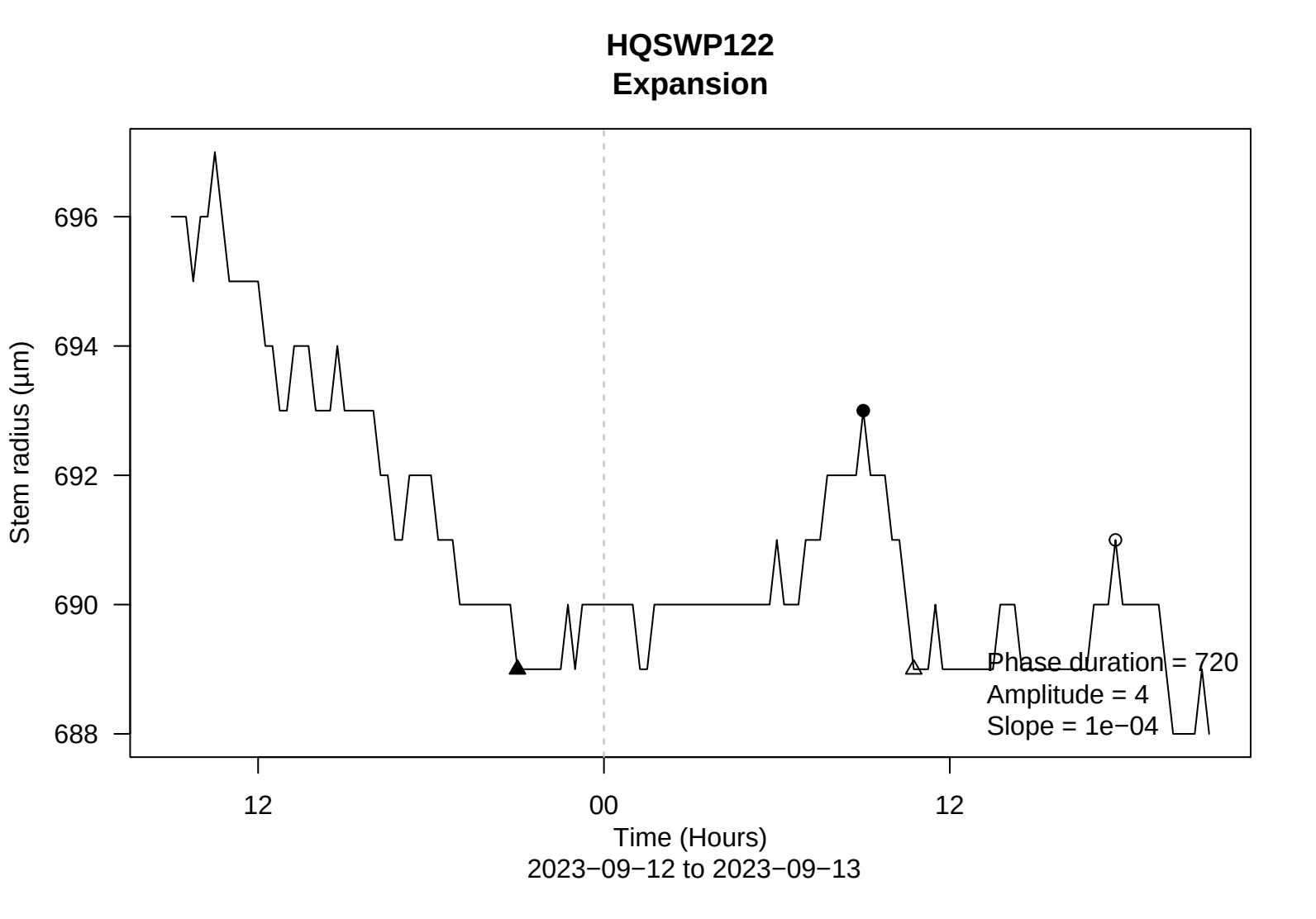

HQSWP122
Expansion
700
695
690
685
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−09−09 to 2023−09−10
Phase duration = 945
Amplitude = 15
Slope = 3e−04

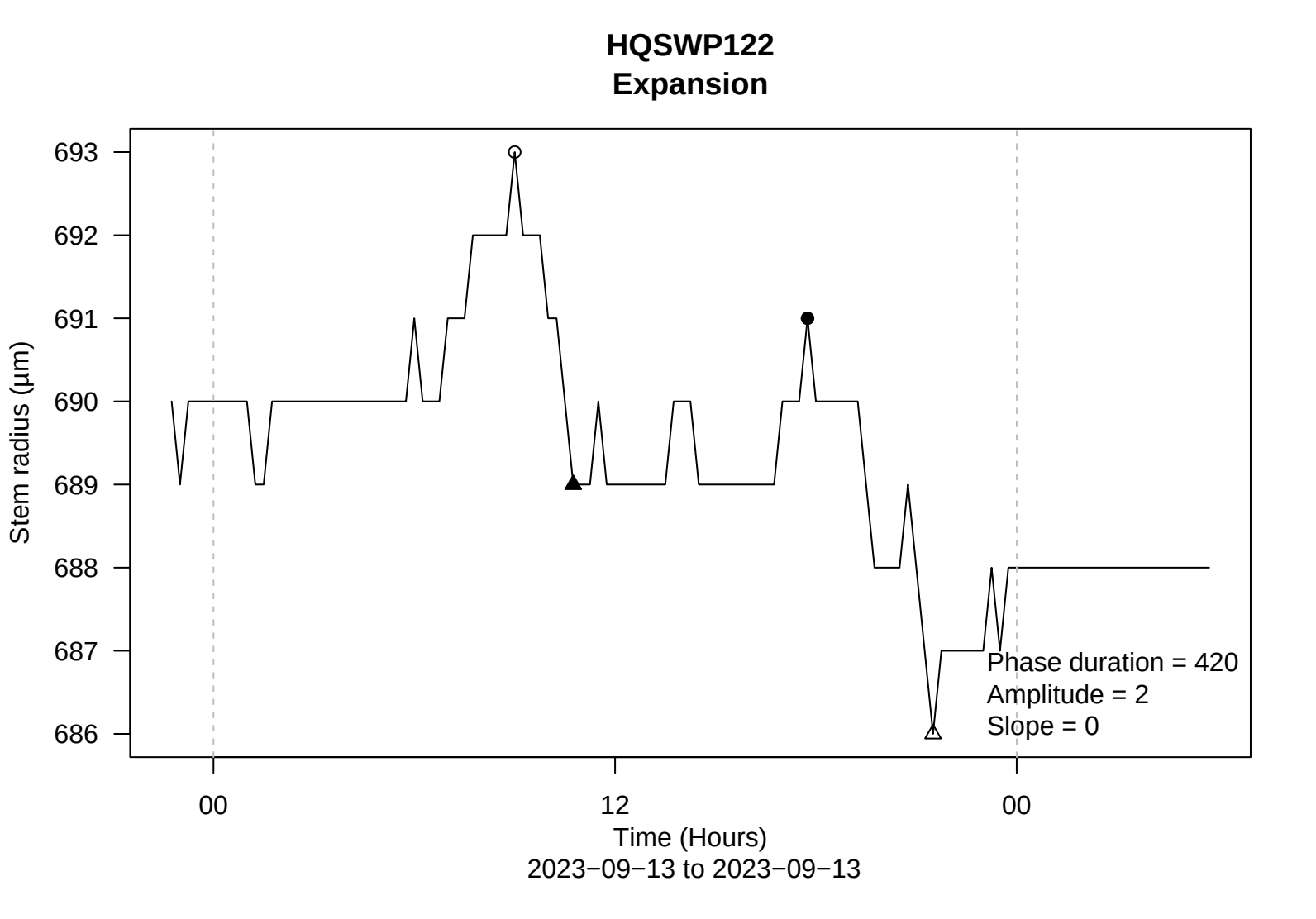

HQSWP122
Shrinkage
700
695
690
685
Stem radius (µm)
Phase duration = 510
Amplitude = −9
Slope = −3e−04
12
00
12
Time (Hours)
2023−09−10 to 2023−09−10

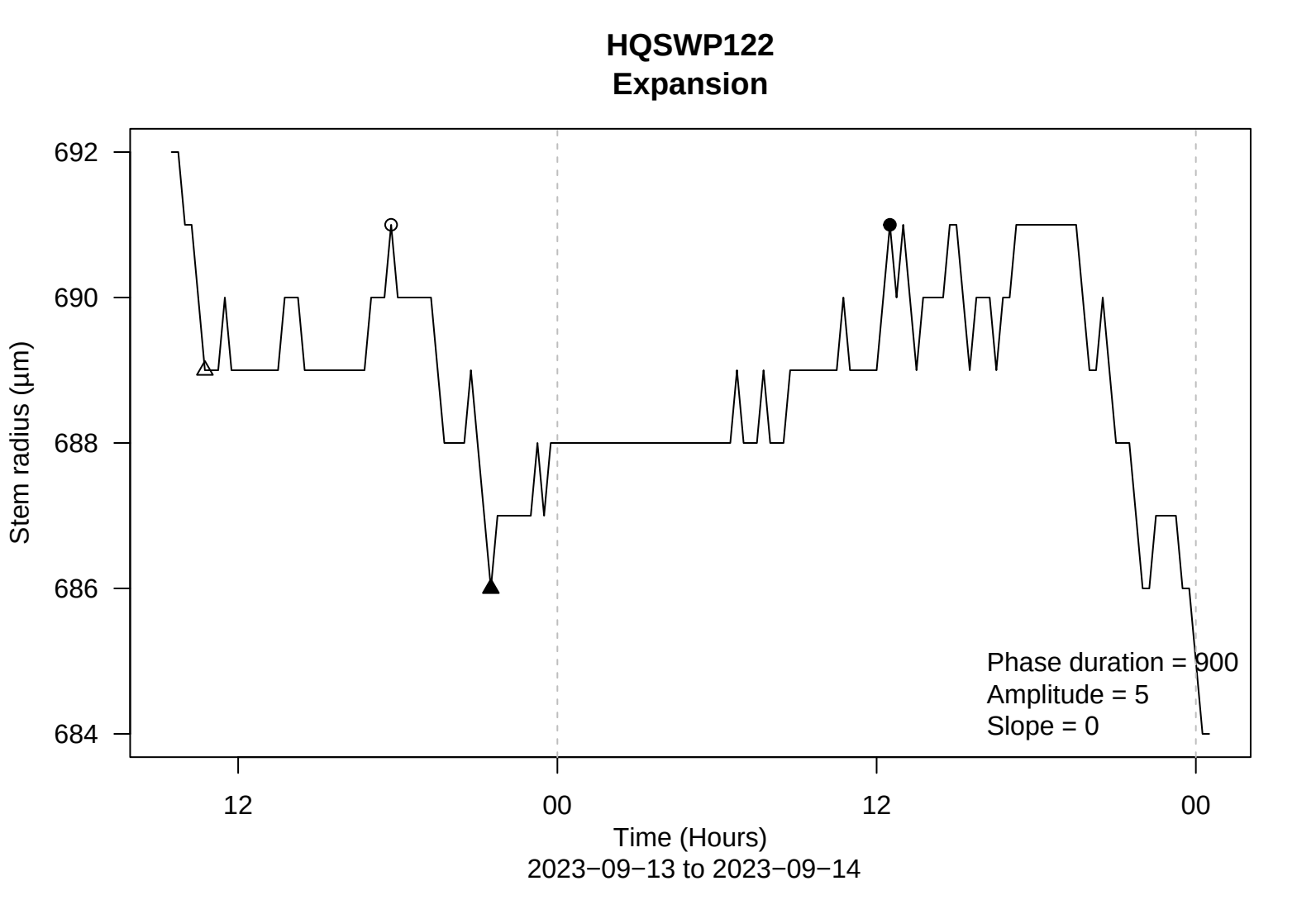

HQSWP122
Expansion
700
698
696
694
692
Stem radius (µm)
Phase duration = 675
Amplitude = 7
Slope = 2e−04
12
00
12
00
Time (Hours)
2023−09−10 to 2023−09−11

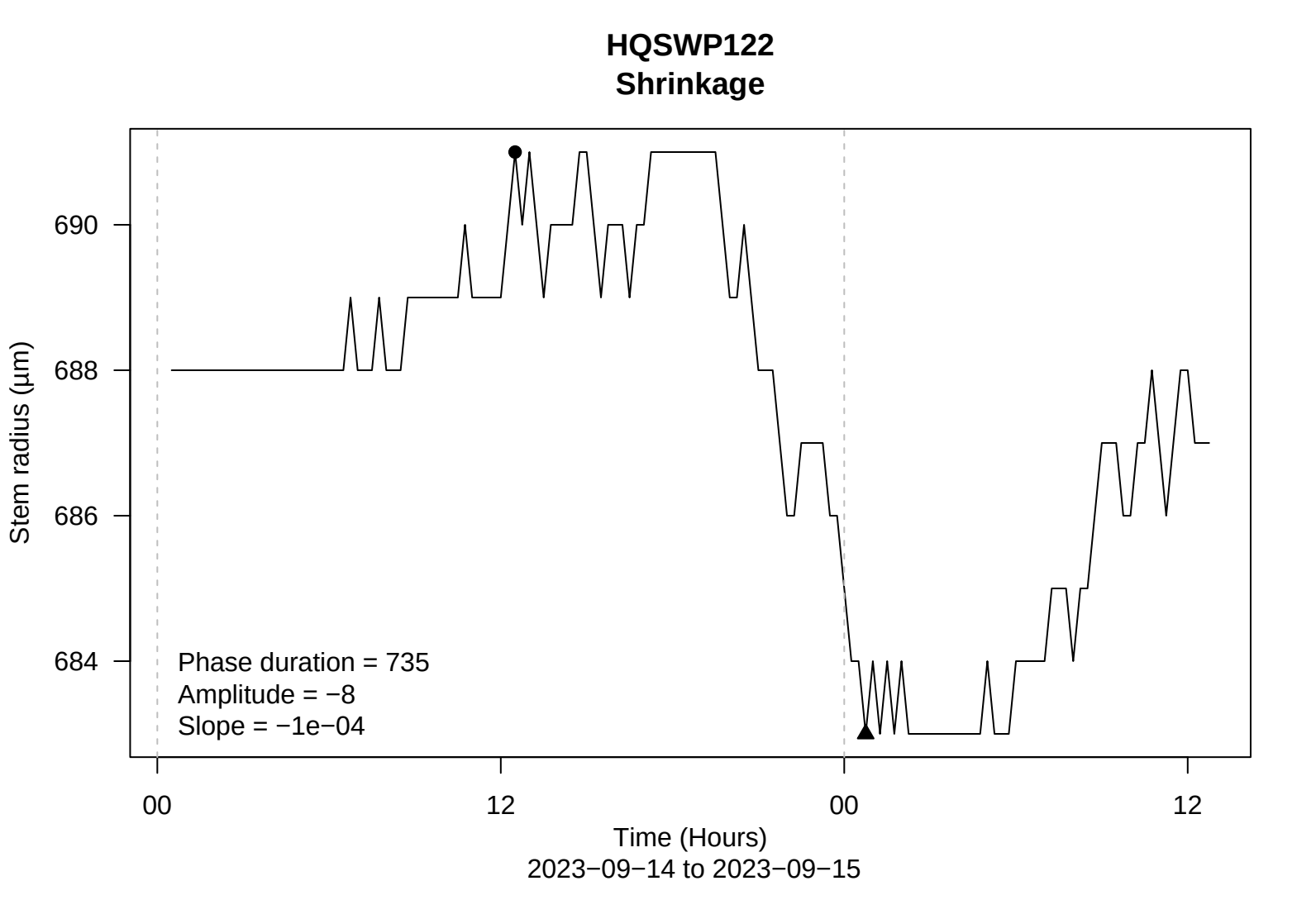

HQSWP122
Expansion
698
696
694
692
690
Stem radius (µm)
12
00
12
Time (Hours)
2023−09−11 to 2023−09−12
Phase duration = 645
Amplitude = 5
Slope = 1e−04

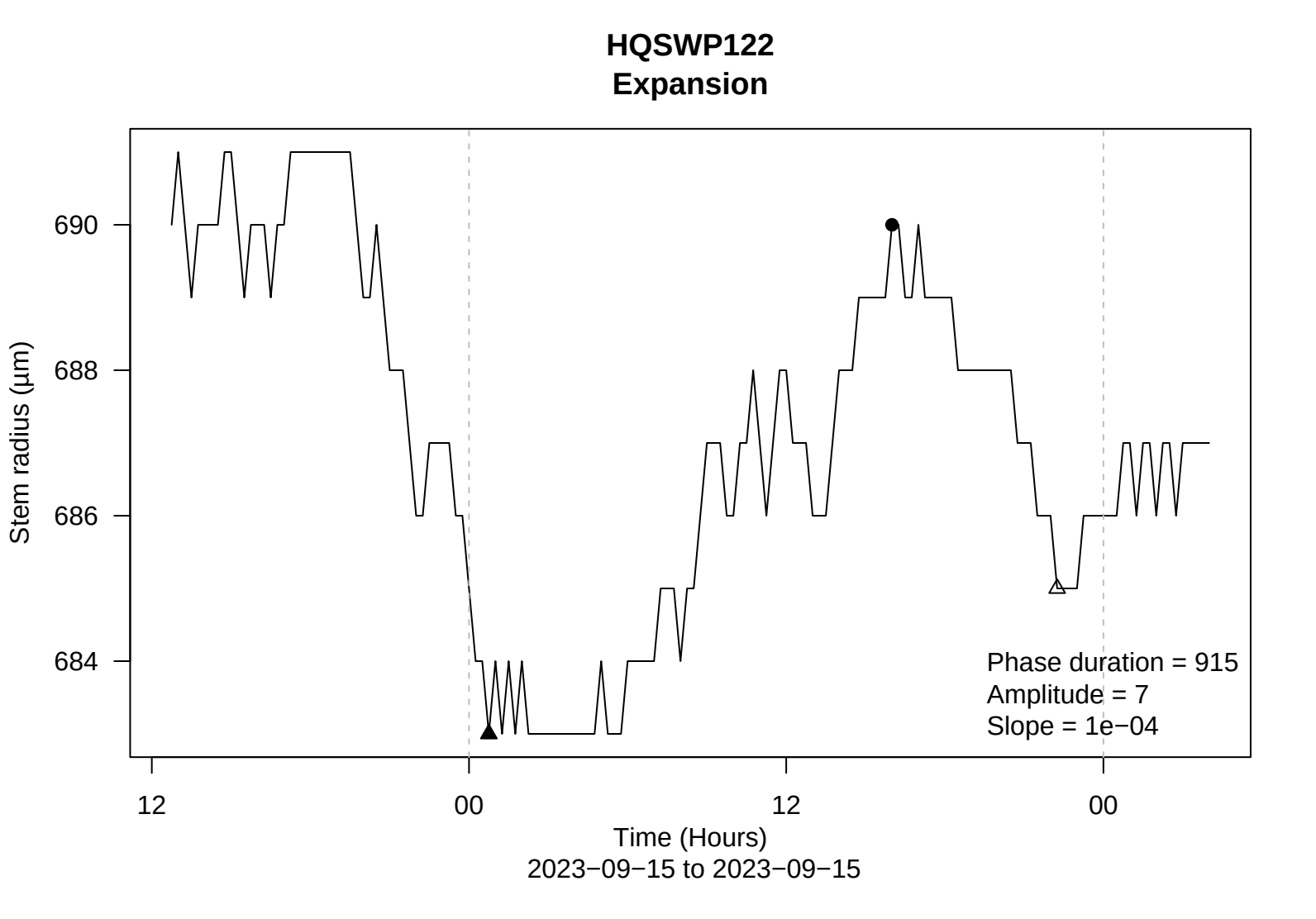

HQSWP122
Shrinkage
Stem radius (µm)
696
694
692
690
Phase duration = 765
Amplitude = −8
Slope = −2e−04
00
12
00
Time (Hours)
2023−09−12 to 2023−09−12

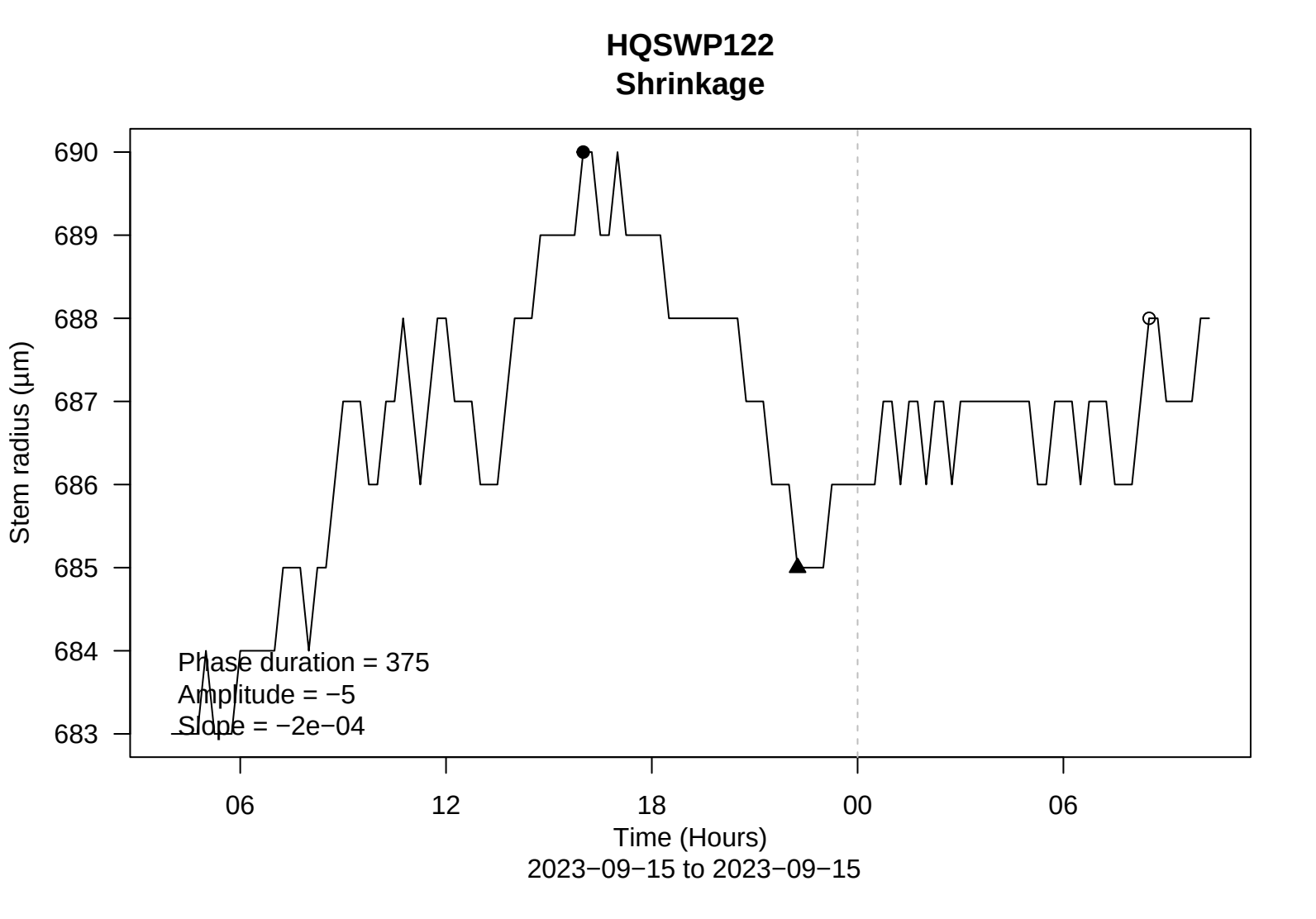

HQSWP122
Expansion
696
694
692
690
688
Stem radius (µm)
12
00
12
Time (Hours)
2023−09−12 to 2023−09−13
Phase duration = 720
Amplitude = 4
Slope = 1e−04

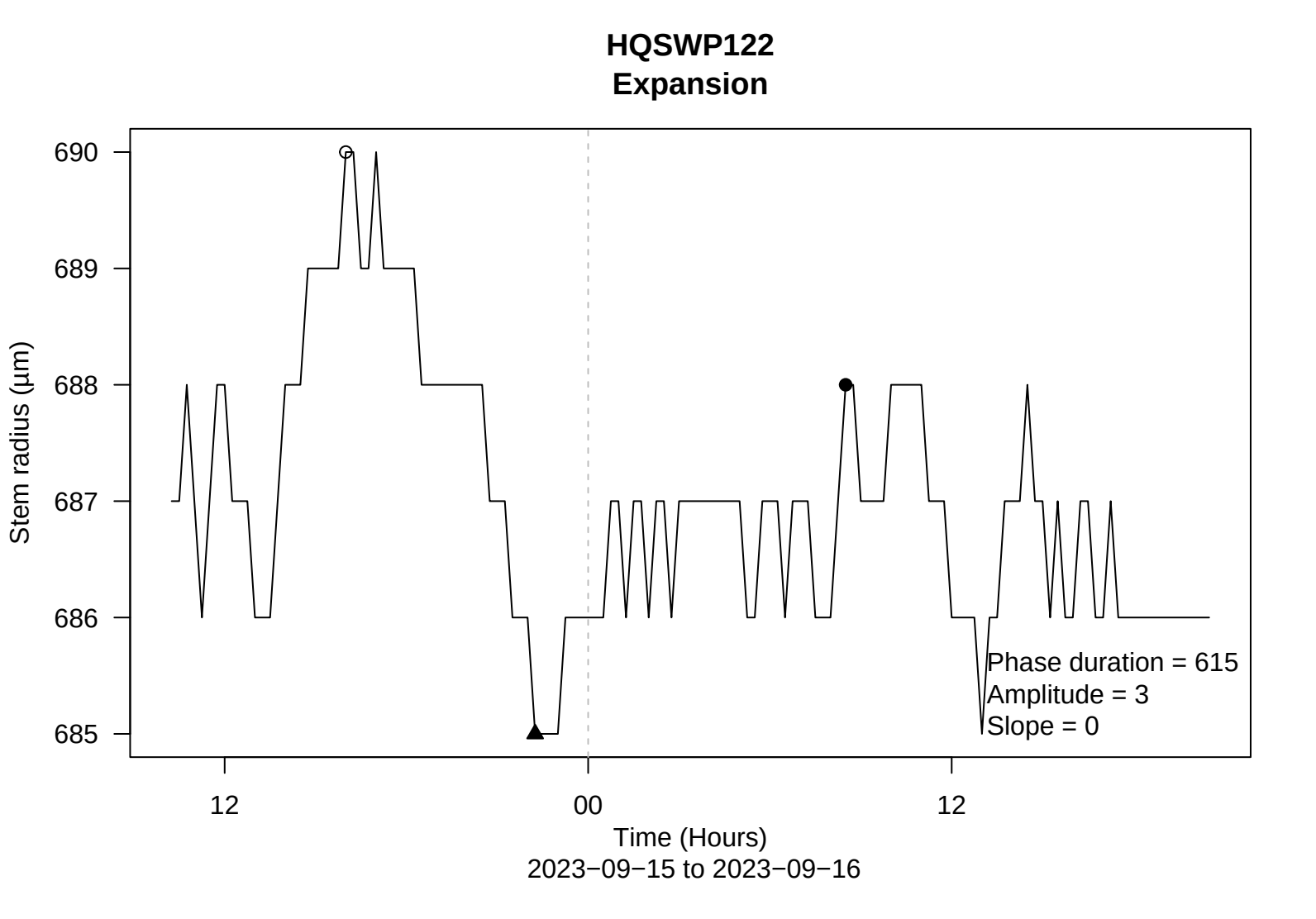

HQSWP122
Expansion
693
692
691
690
689
688
687
686
Stem radius (µm)
Phase duration = 420
Amplitude = 2
Slope = 0
00
12
00
Time (Hours)
2023−09−13 to 2023−09−13

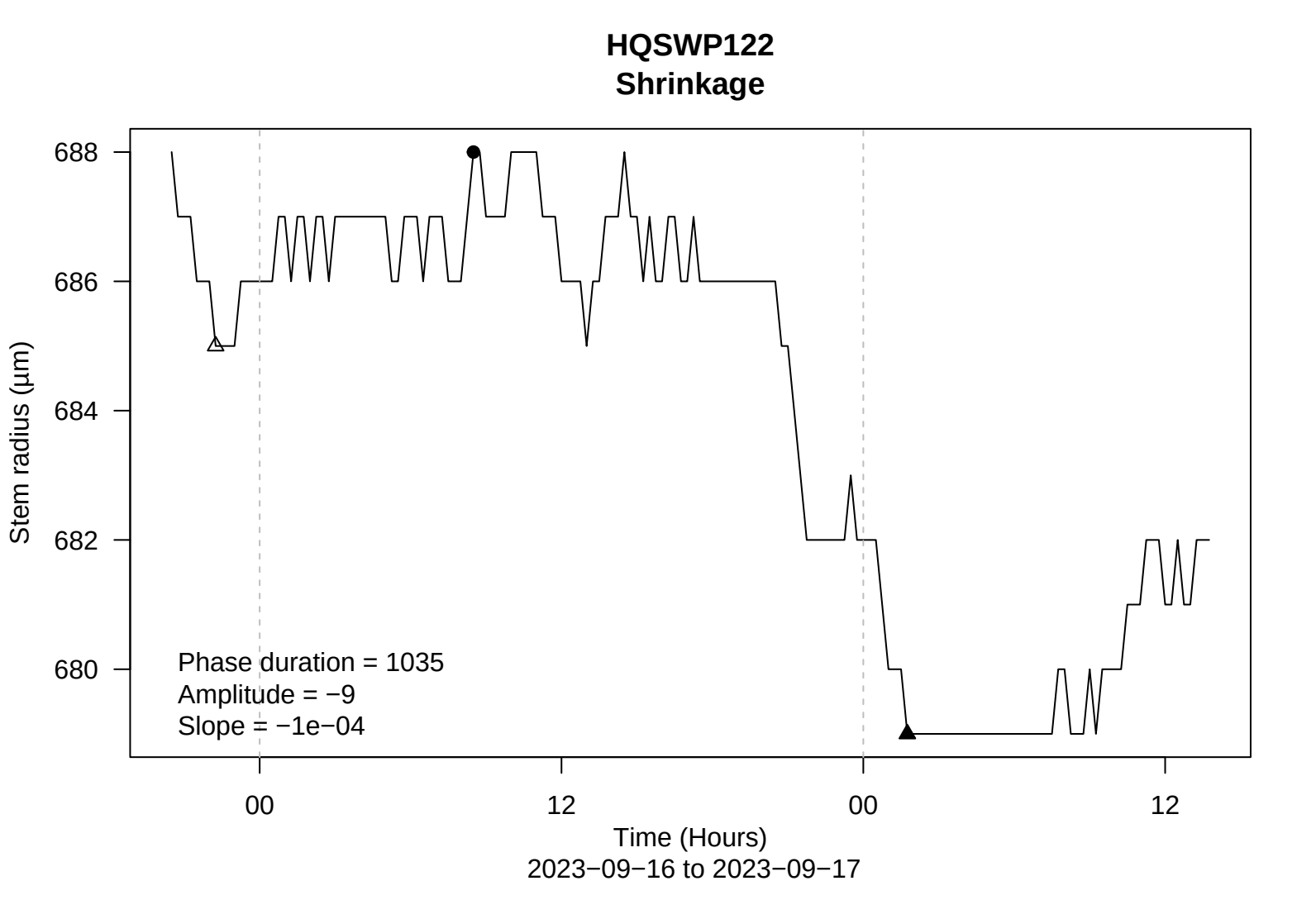

HQSWP122
Expansion
692
690
688
686
684
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−09−13 to 2023−09−14
Phase duration = 900
Amplitude = 5
Slope = 0

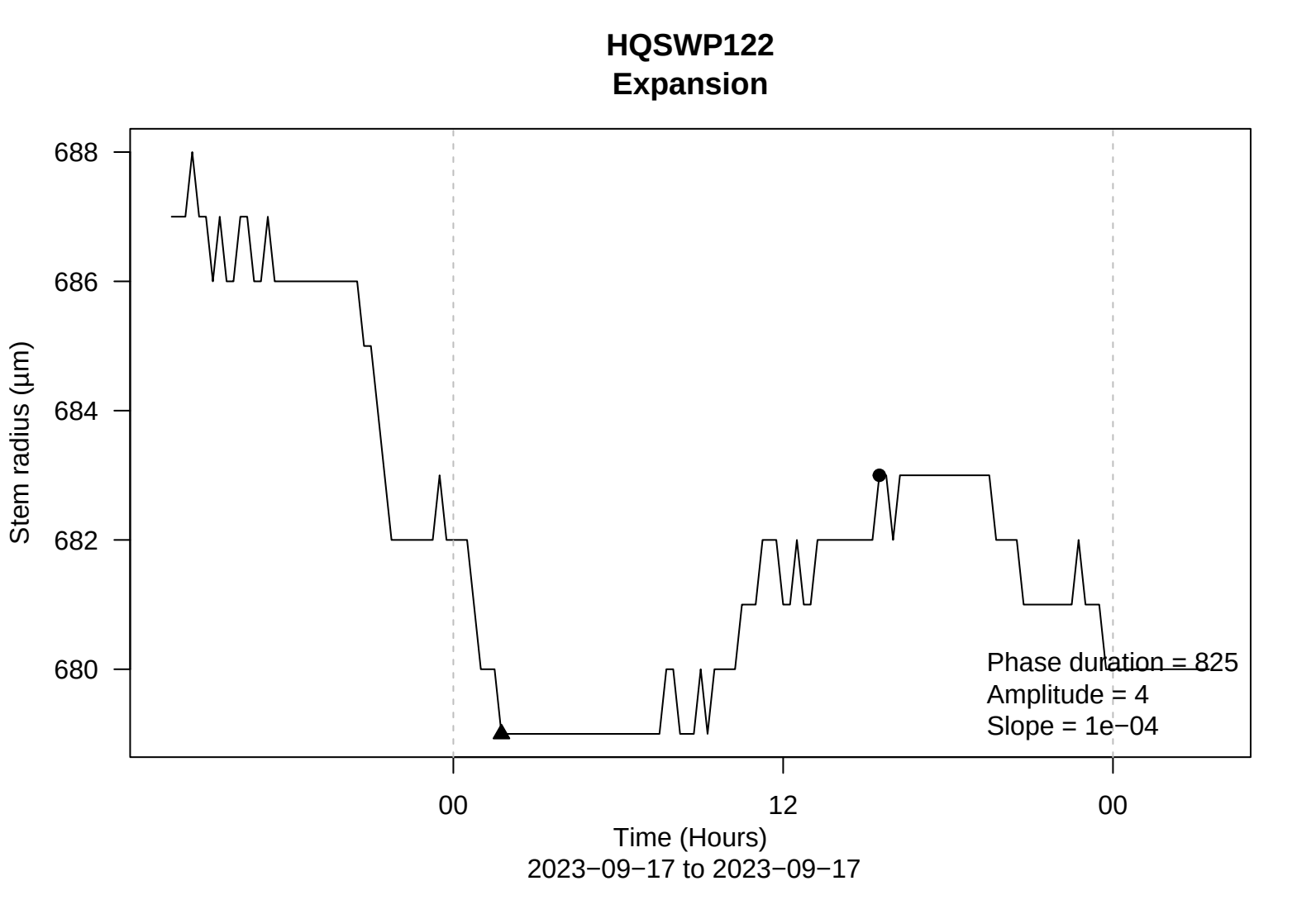

HQSWP122
Shrinkage
690
688
686
684
Stem radius (µm)
Phase duration = 735
Amplitude = −8
Slope = −1e−04
00
12
00
12
Time (Hours)
2023−09−14 to 2023−09−15

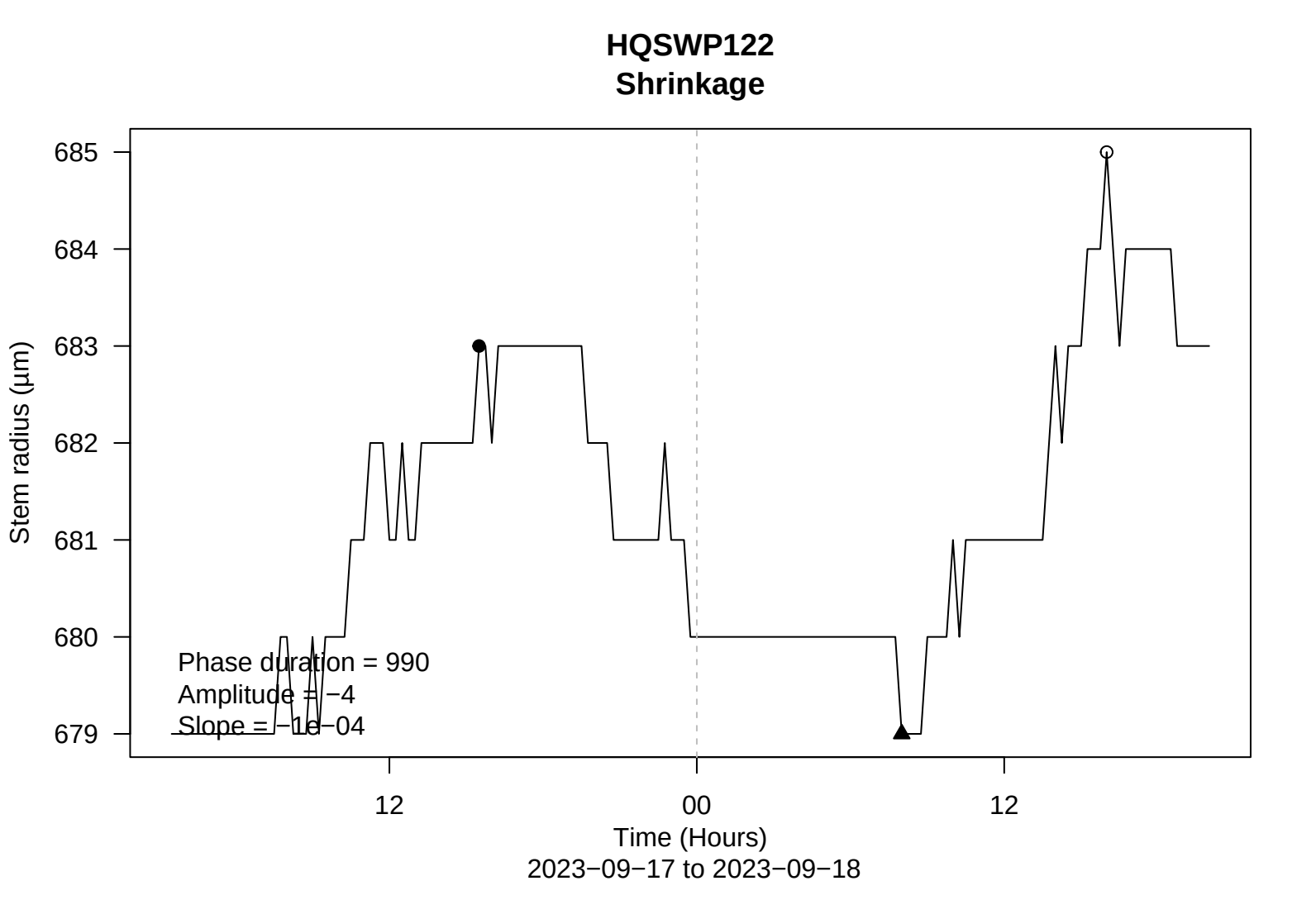

HQSWP122
Expansion
690
688
686
684
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−09−15 to 2023−09−15
Phase duration = 915
Amplitude = 7
Slope = 1e−04

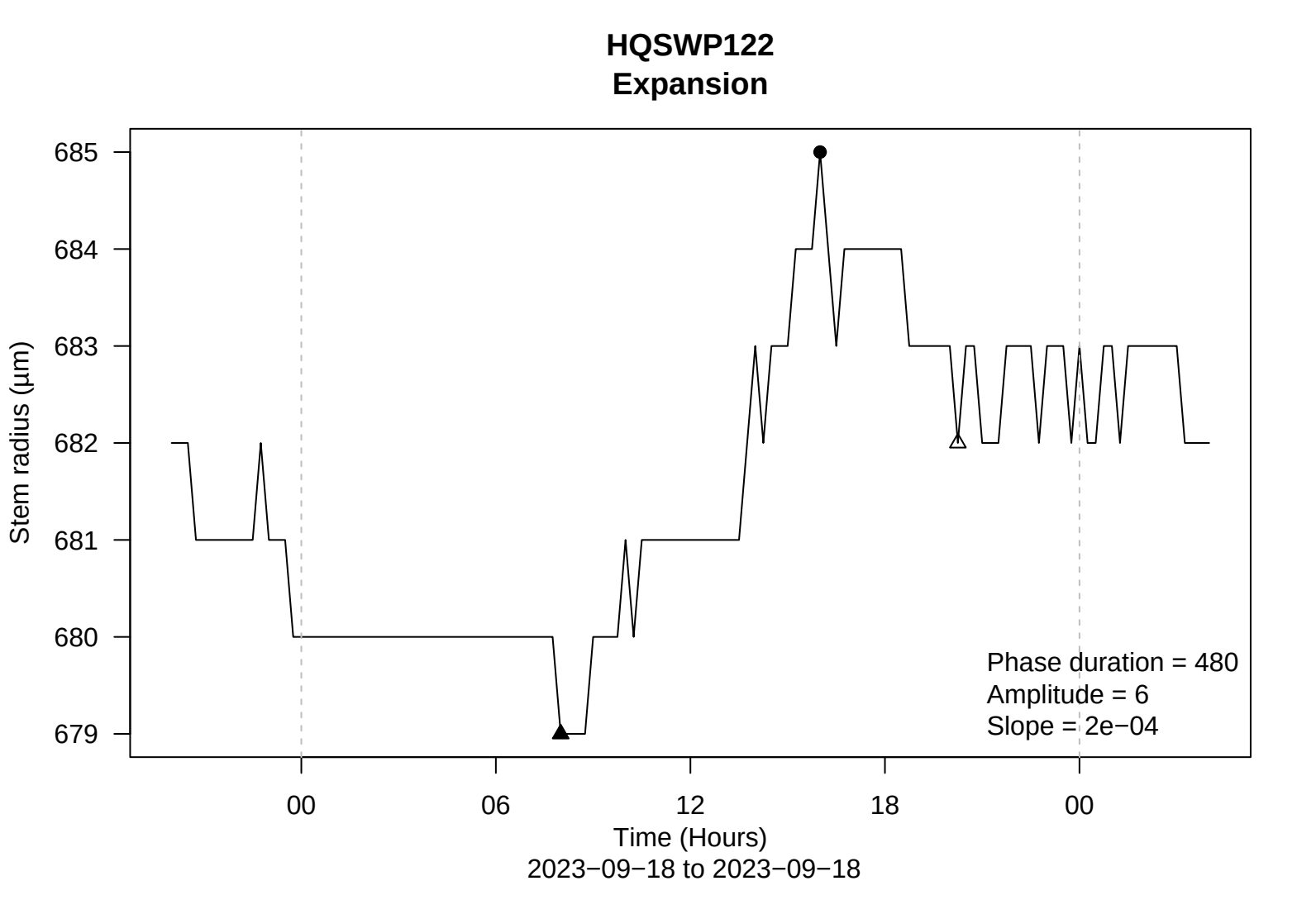

HQSWP122
Shrinkage
690
689
688
687
686
685
684
683
Stem radius (µm)
Phase duration = 375
Amplitude = −5
Slope = −2e−04
06
12
18
00
06
Time (Hours)
2023−09−15 to 2023−09−15

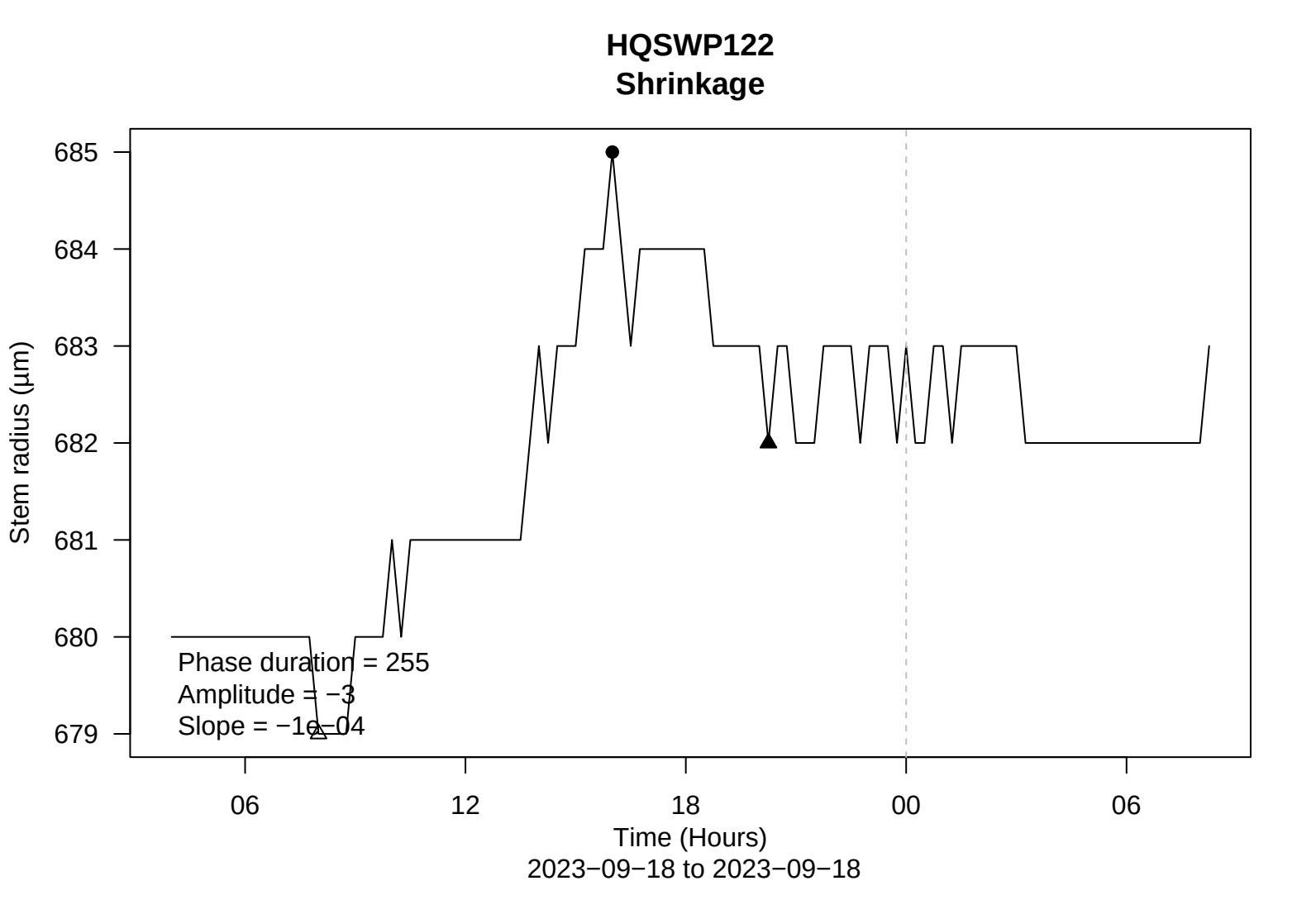

HQSWP122
Expansion
690
689
688
687
686
685
Stem radius (µm)
12
00
12
Time (Hours)
2023−09−15 to 2023−09−16
Phase duration = 615
Amplitude = 3
Slope = 0

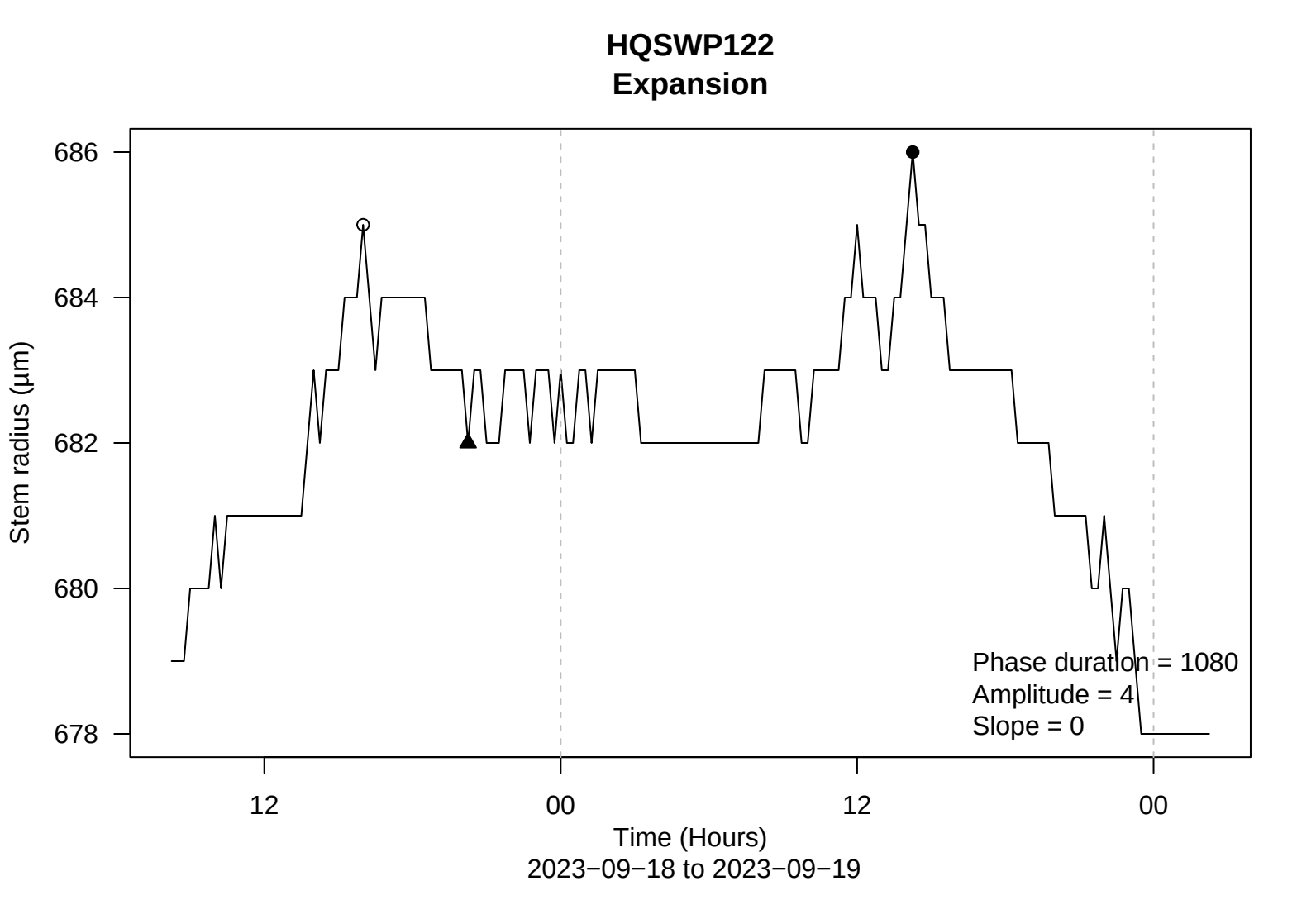

HQSWP122
Shrinkage
688
686
684
682
680
Stem radius (µm)
Phase duration = 1035
Amplitude = −9
Slope = −1e−04
00
12
00
12
Time (Hours)
2023−09−16 to 2023−09−17

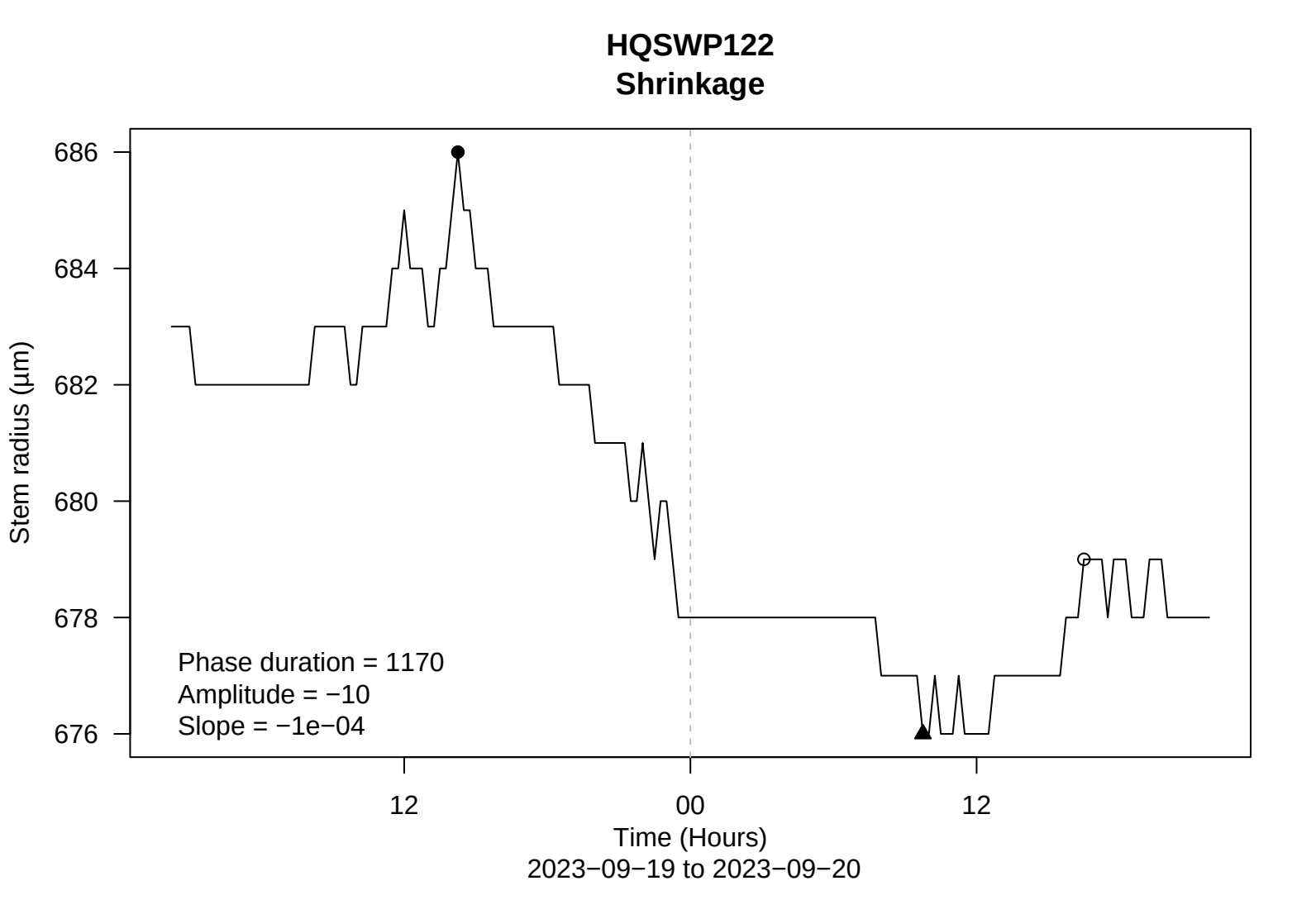

HQSWP122
Expansion
688
686
684
682
680
Stem radius (µm)
00
12
00
Time (Hours)
2023−09−17 to 2023−09−17
Phase duration = 825
Amplitude = 4
Slope = 1e−04

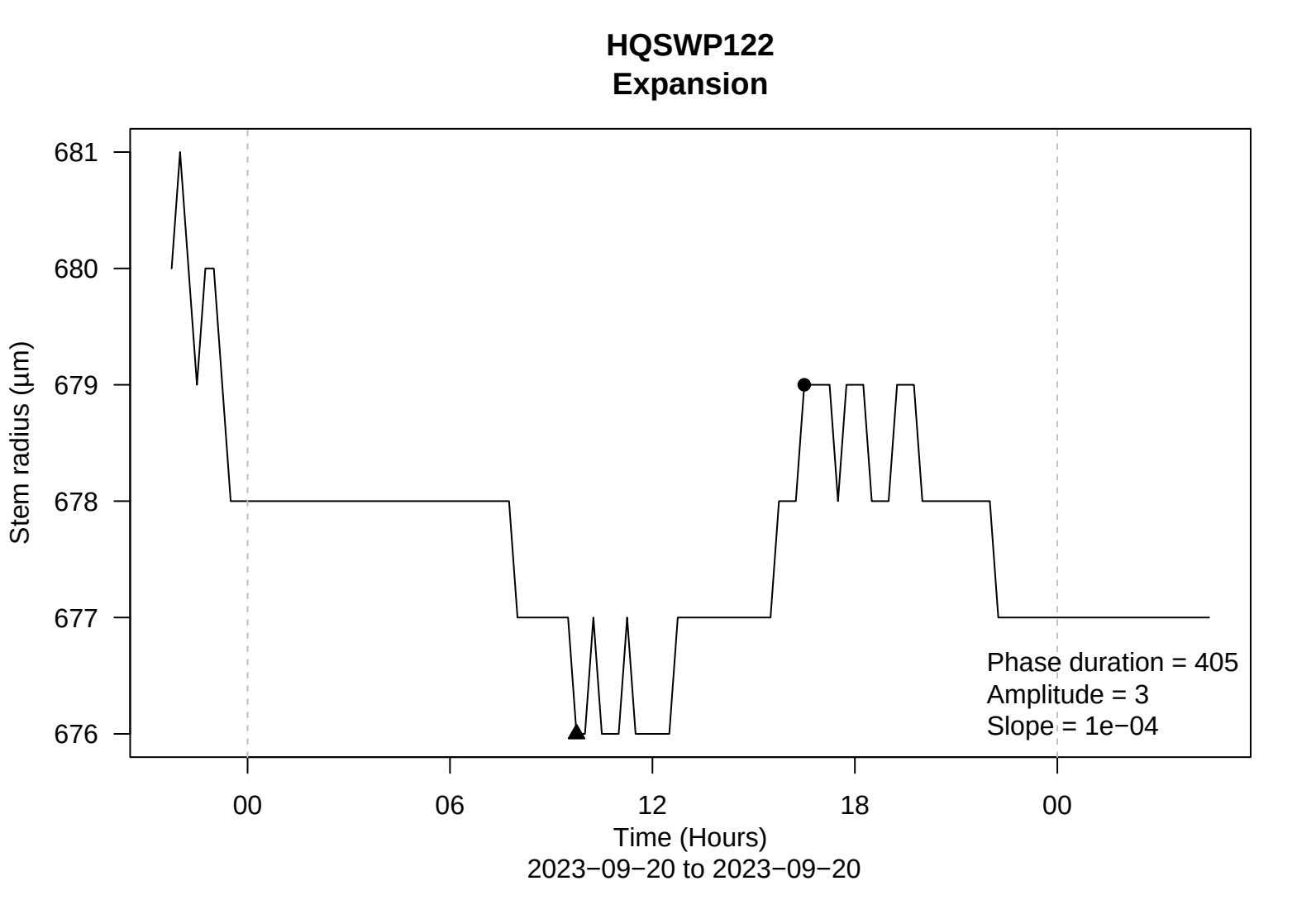

HQSWP122
Shrinkage
685
684
683
682
681
680
679
Stem radius (µm)
Phase duration = 990
Amplitude = −4
Slope = −1e−04
12
00
12
Time (Hours)
2023−09−17 to 2023−09−18

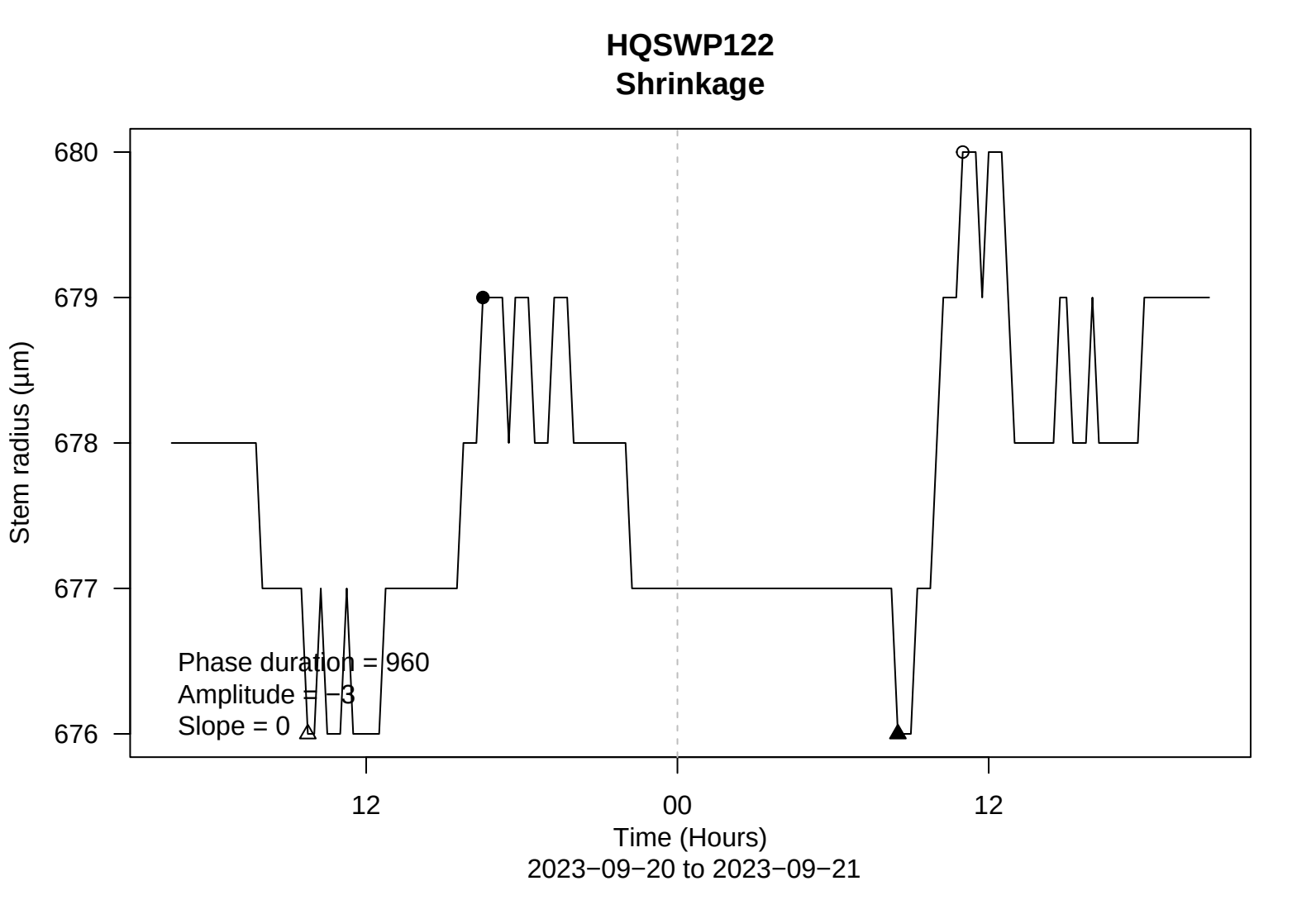

HQSWP122
Expansion
685
684
683
682
681
680
679
Stem radius (µm)
00
06
12
18
00
Time (Hours)
2023−09−18 to 2023−09−18
Phase duration = 480
Amplitude = 6
Slope = 2e−04

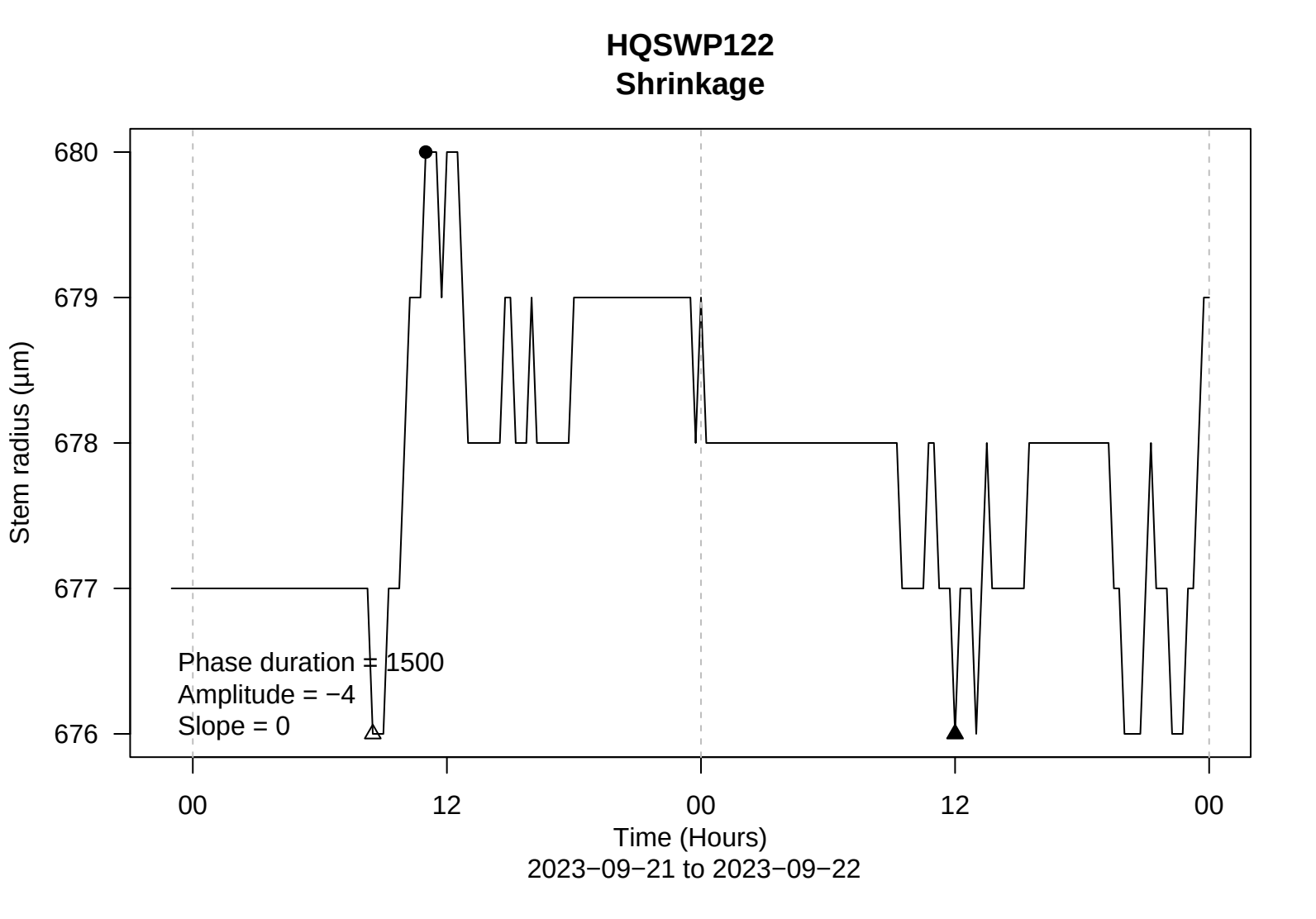

HQSWP122
Shrinkage
Stem radius (µm)
685
684
683
682
681
680
679
Phase duration = 255
Amplitude = −3
Slope = −1e−04
06
12
18
00
06
Time (Hours)
2023−09−18 to 2023−09−18

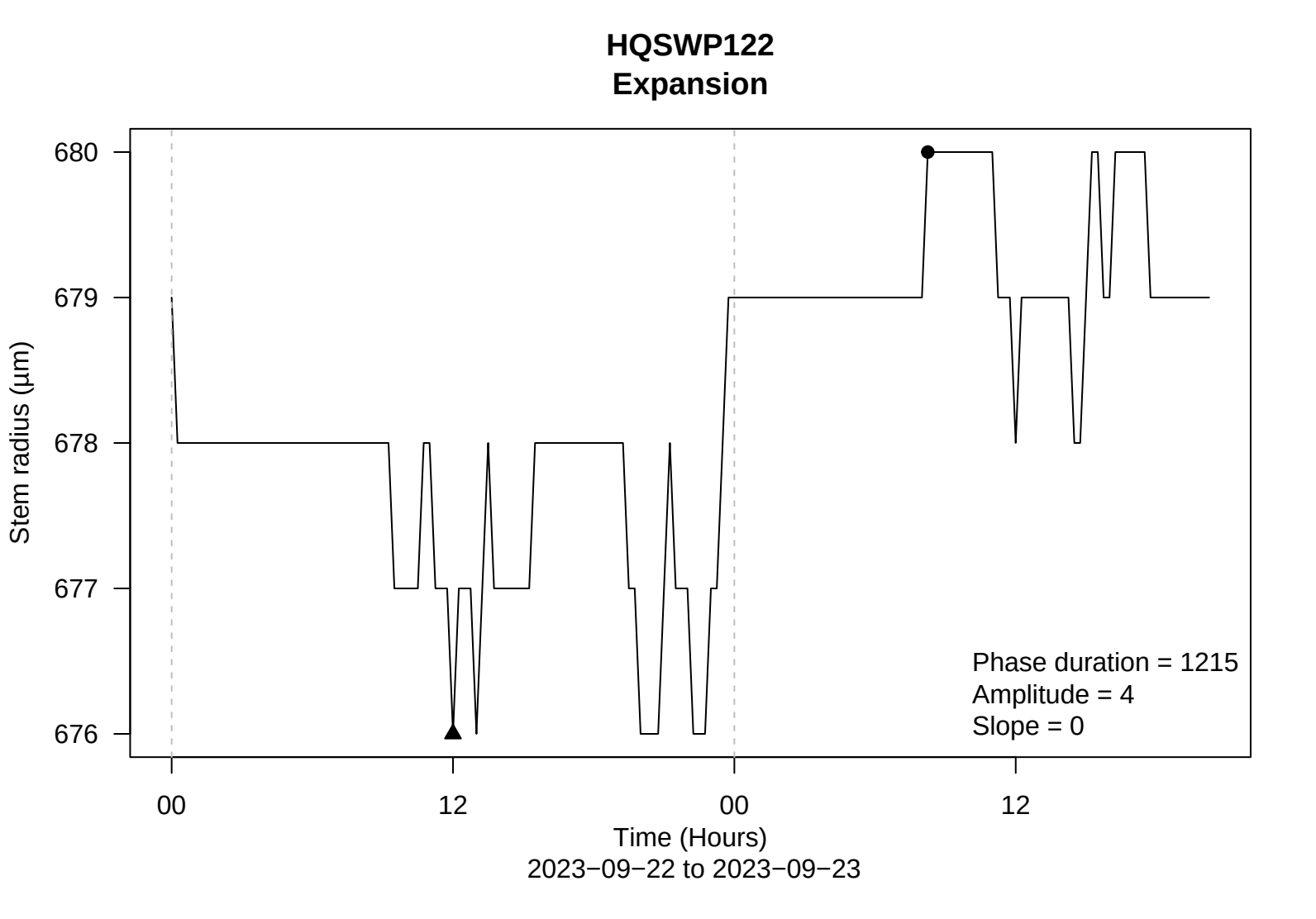

HQSWP122
Expansion
686
684
682
680
678
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−09−18 to 2023−09−19
Phase duration = 1080
Amplitude = 4
Slope = 0

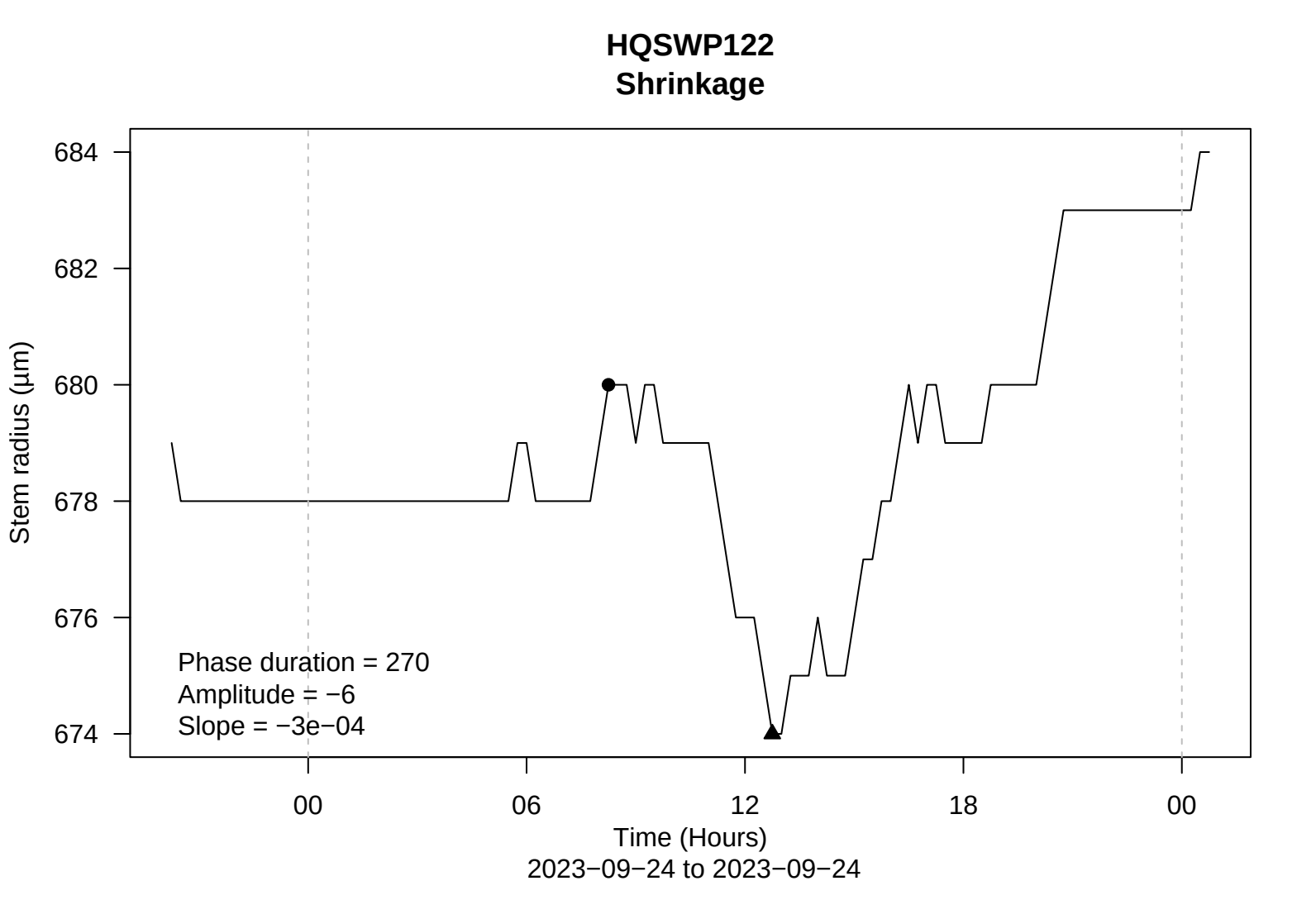

HQSWP122
Shrinkage
686
684
682
680
678
676
Stem radius (µm)
Phase duration = 1170
Amplitude = −10
Slope = −1e−04
12
00
12
Time (Hours)
2023−09−19 to 2023−09−20

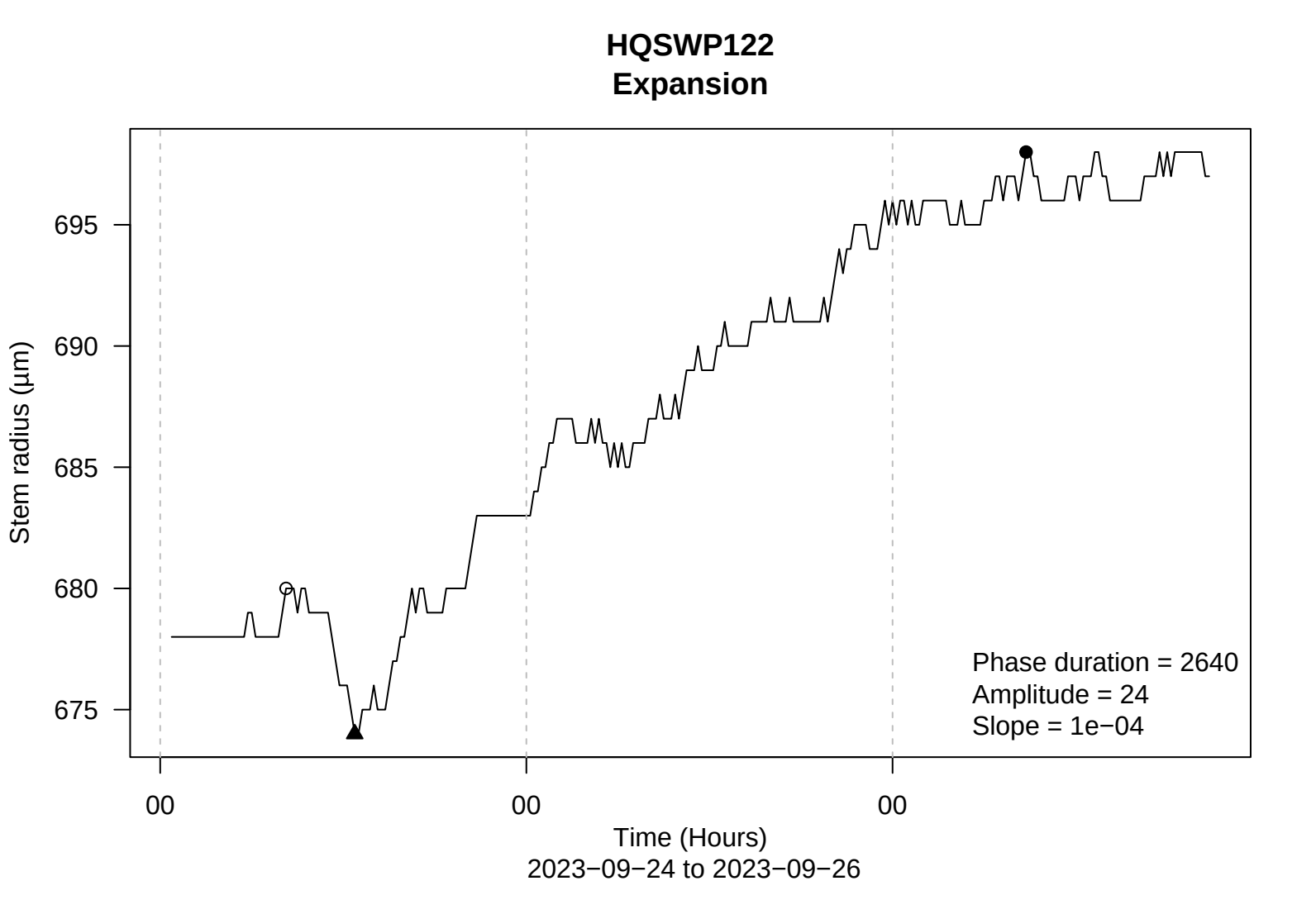

HQSWP122
Expansion
681
680
679
678
677
676
Stem radius (µm)
00
06
12
18
00
Time (Hours)
2023−09−20 to 2023−09−20
Phase duration = 405
Amplitude = 3
Slope = 1e−04

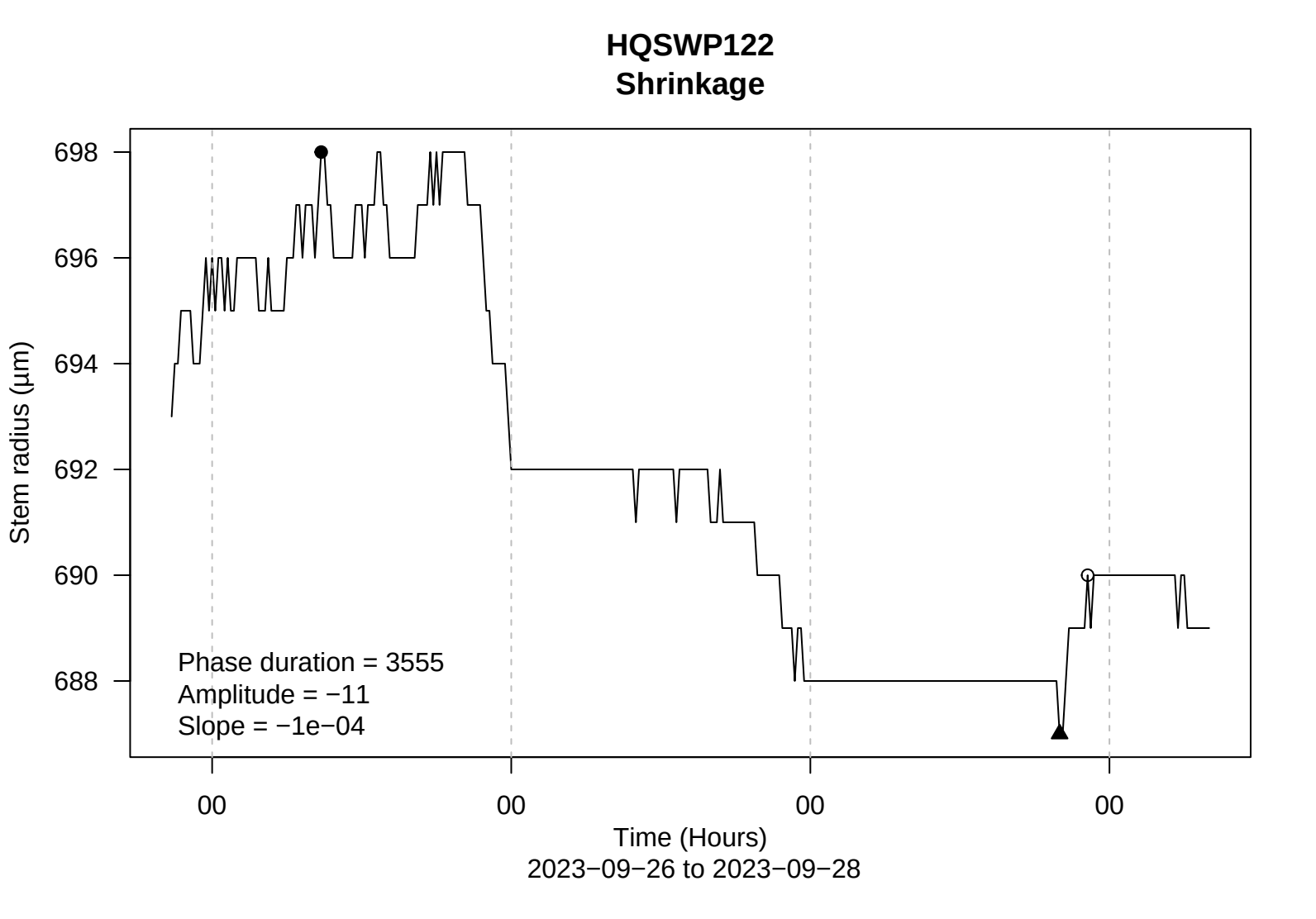

HQSWP122
Shrinkage
680
679
678
677
676
Stem radius (µm)
Phase duration = 960
Amplitude = −3
Slope = 0
12
00
12
Time (Hours)
2023−09−20 to 2023−09−21

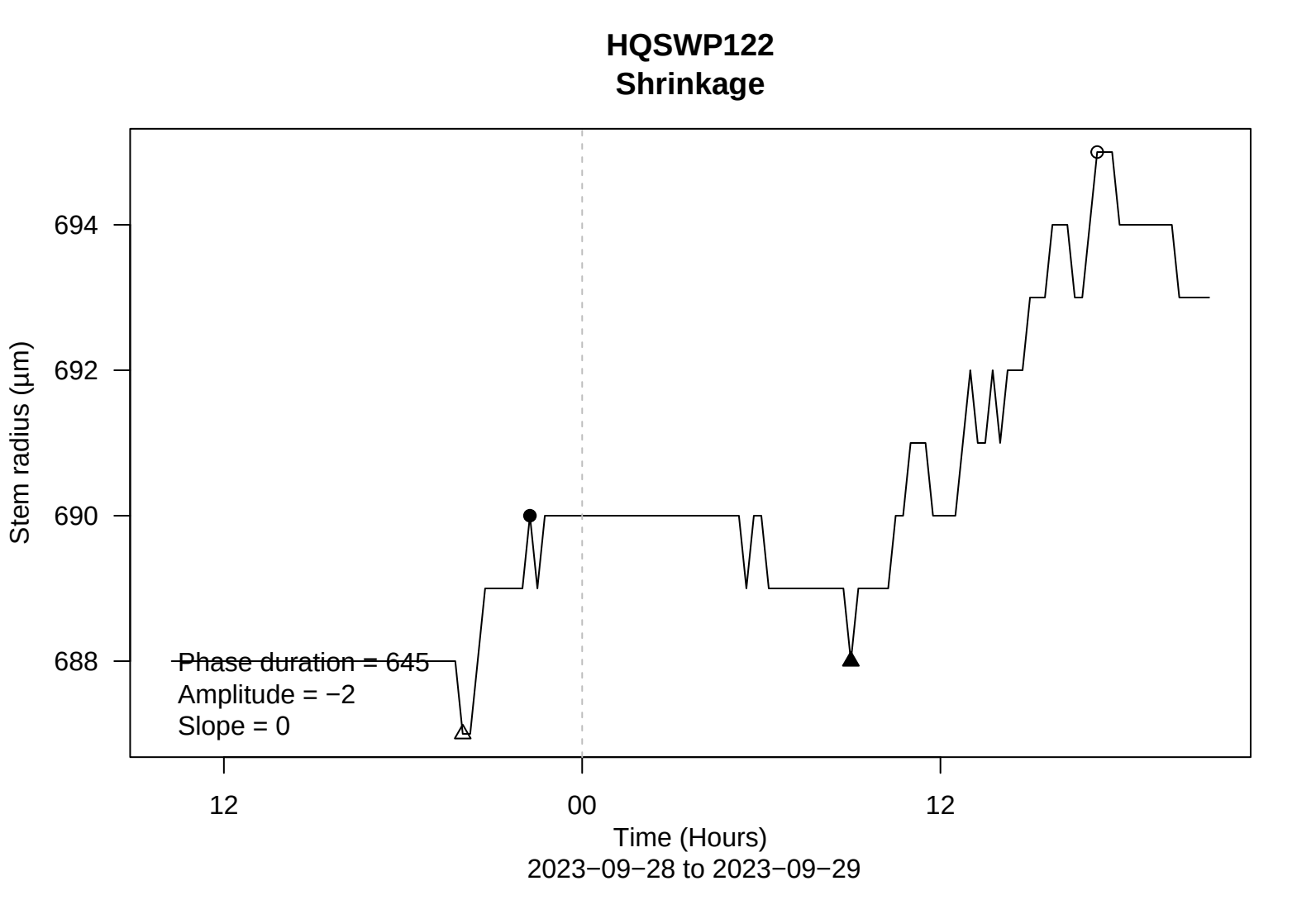

HQSWP122
Shrinkage
680
679
678
677
676
Stem radius (µm)
Phase duration = 1500
Amplitude = −4
Slope = 0
00
12
00
12
00
Time (Hours)
2023−09−21 to 2023−09−22

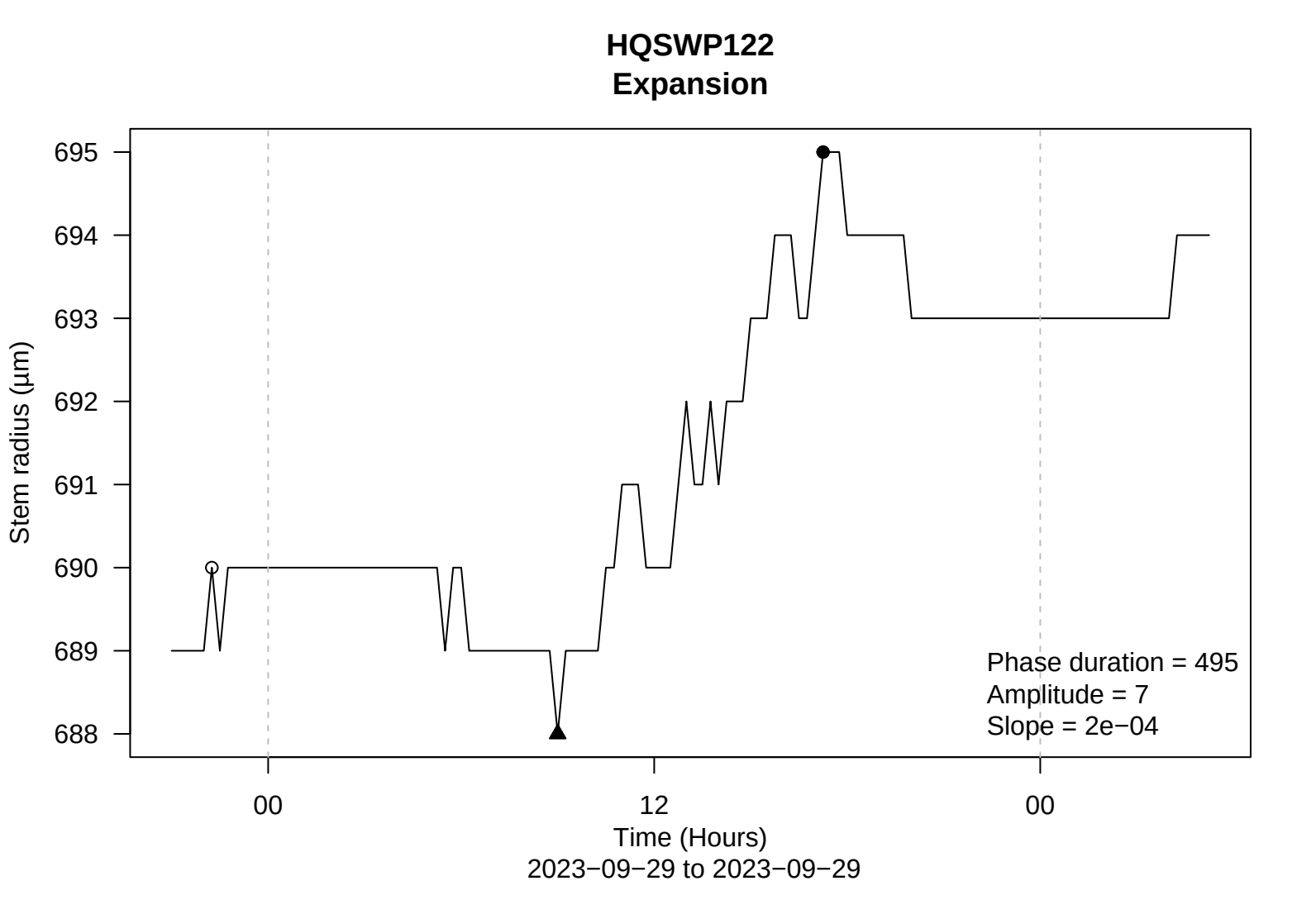

HQSWP122
Expansion
680
679
678
677
676
Stem radius (µm)
00
12
00
12
Time (Hours)
2023−09−22 to 2023−09−23
Phase duration = 1215
Amplitude = 4
Slope = 0

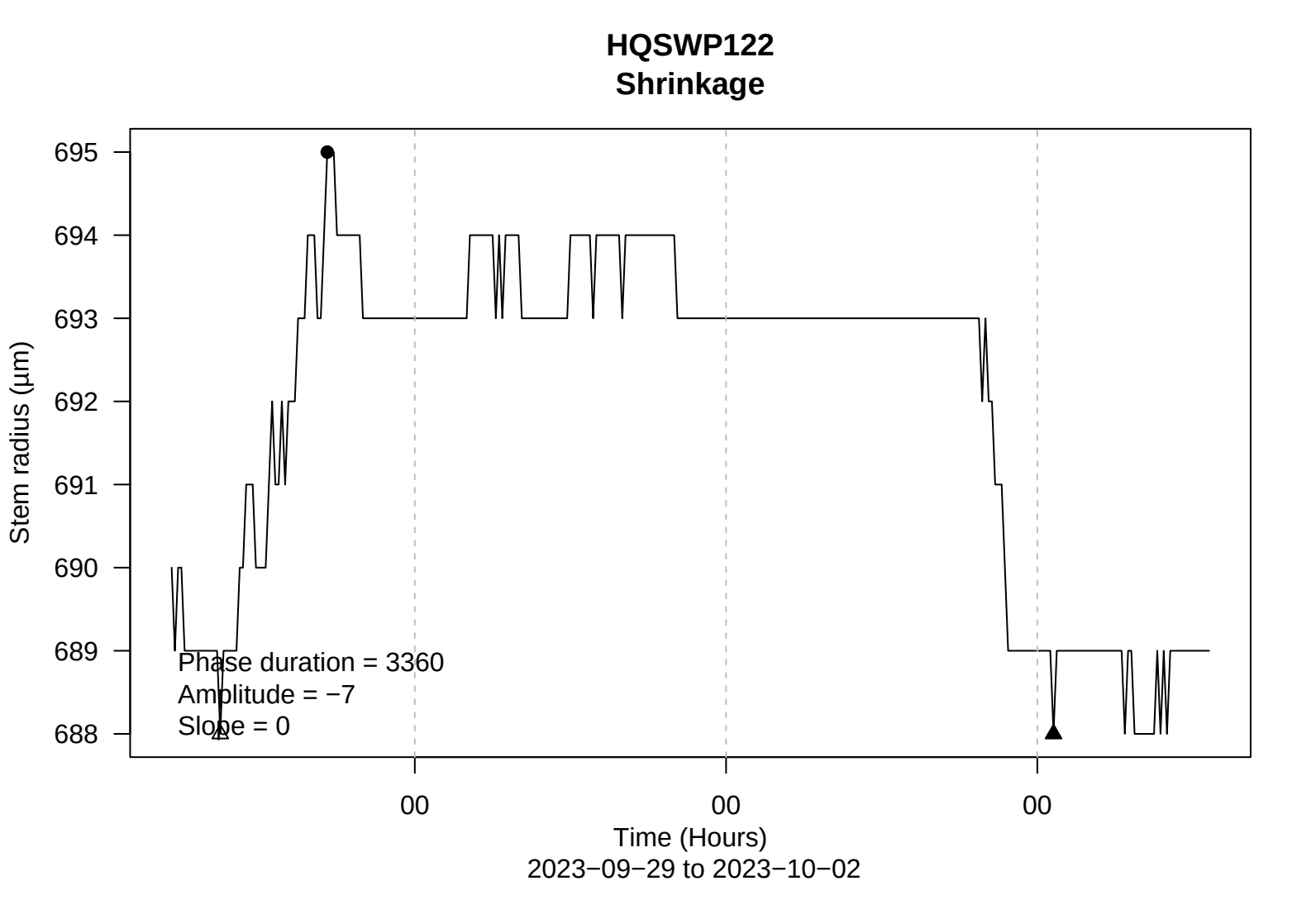

HQSWP122
Shrinkage
684
682
680
678
676
674
Stem radius (µm)
Phase duration = 270
Amplitude = −6
Slope = −3e−04
00
06
12
18
00
Time (Hours)
2023−09−24 to 2023−09−24

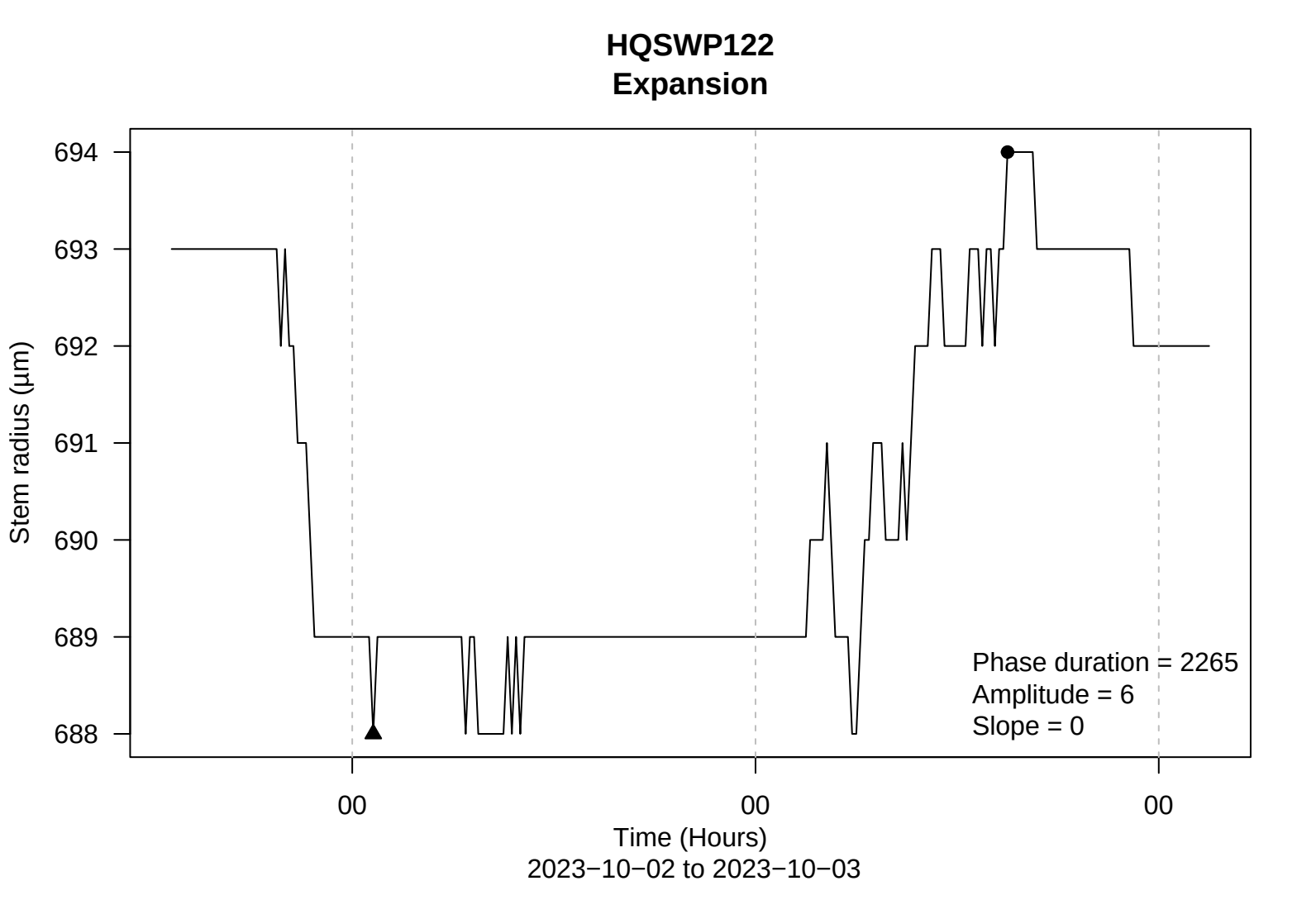

HQSWP122
Expansion
695
690
685
680
675
Stem radius (µm)
00
00
00
Time (Hours)
2023−09−24 to 2023−09−26
Phase duration = 2640
Amplitude = 24
Slope = 1e−04

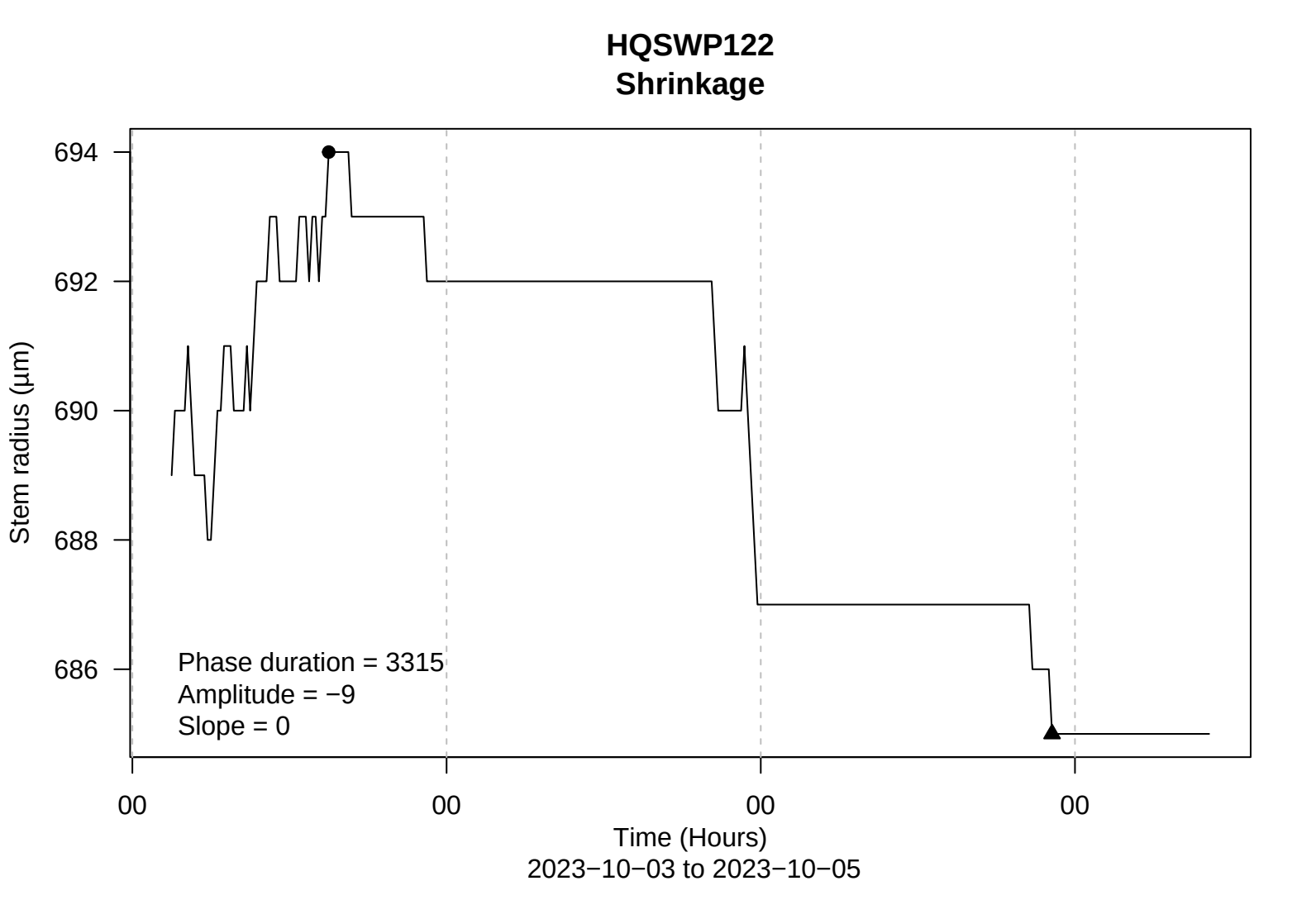

HQSWP122
Shrinkage
698
696
694
692
690
688
Stem radius (µm)
Phase duration = 3555
Amplitude = −11
Slope = −1e−04
00
00
00
00
Time (Hours)
2023−09−26 to 2023−09−28

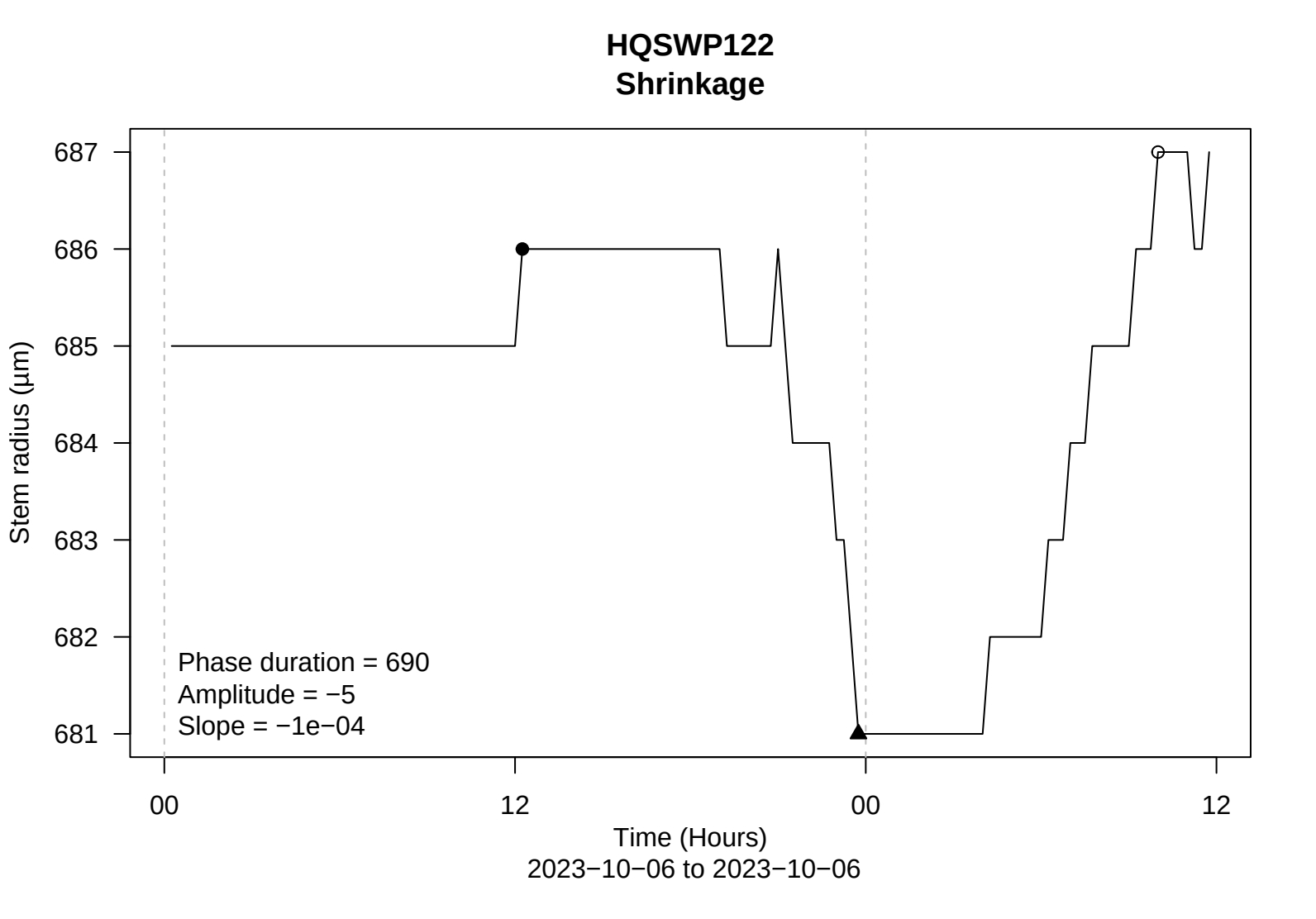

HQSWP122
Shrinkage
694
692
690
688
Stem radius (µm)
Phase duration = 645
Amplitude = −2
Slope = 0
12
00
12
Time (Hours)
2023−09−28 to 2023−09−29

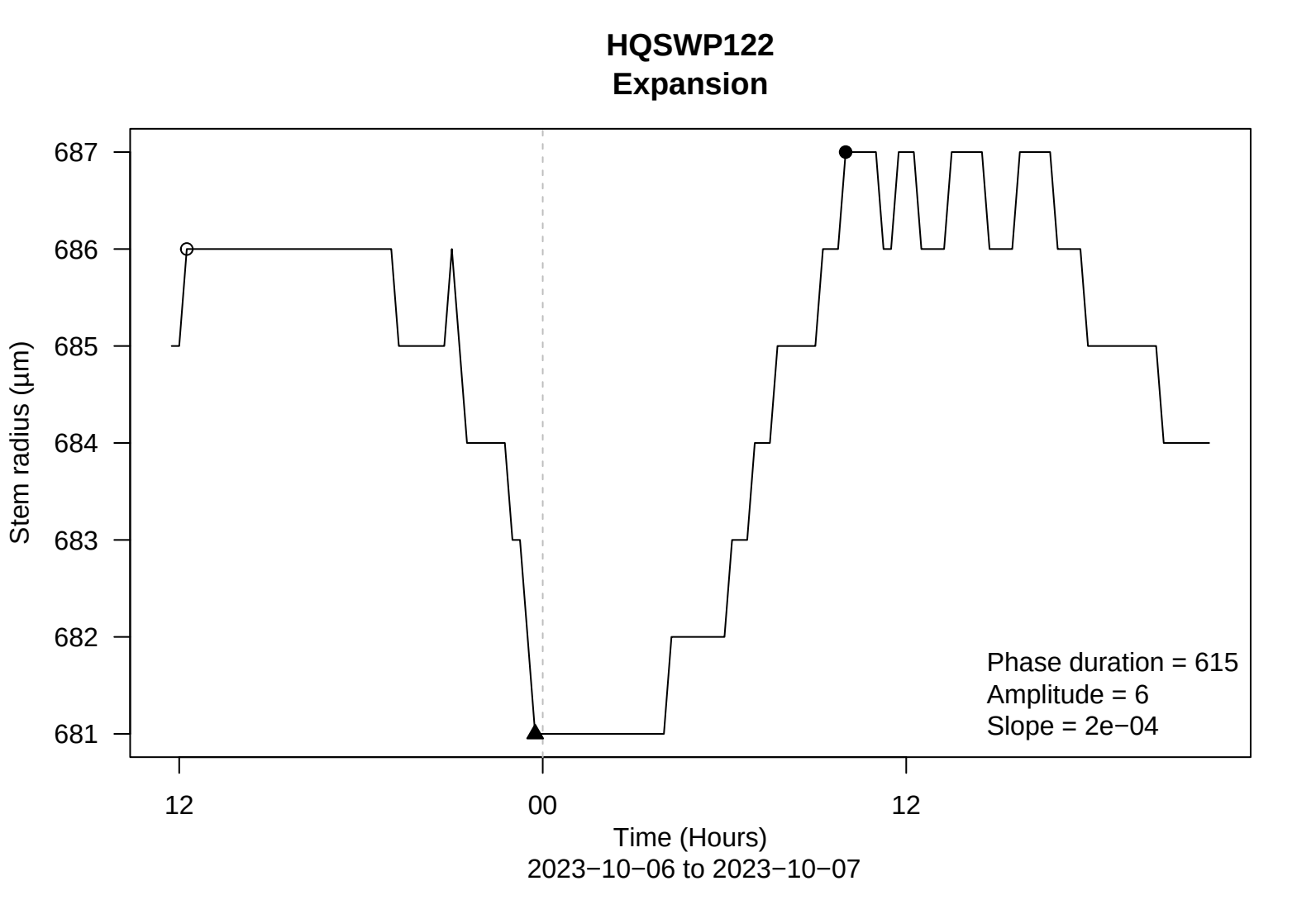

HQSWP122
Expansion
695
694
693
692
691
690
689
688
Stem radius (µm)
00
12
00
Time (Hours)
2023−09−29 to 2023−09−29
Phase duration = 495
Amplitude = 7
Slope = 2e−04

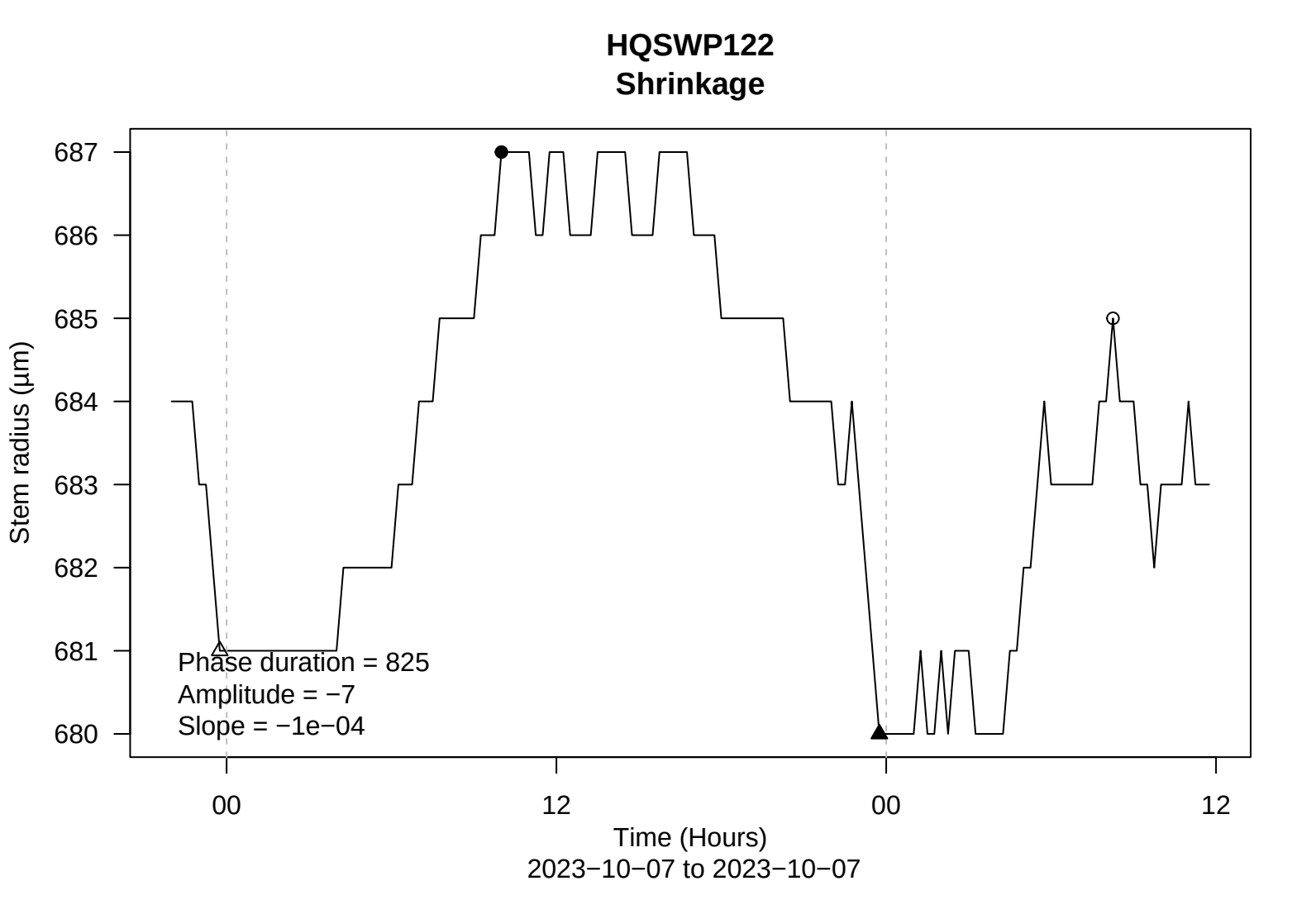

HQSWP122
Shrinkage
Stem radius (µm)
695
694
693
692
691
690
689
688
Phase duration = 3360
Amplitude = −7
Slope = 0
00
00
00
Time (Hours)
2023−09−29 to 2023−10−02

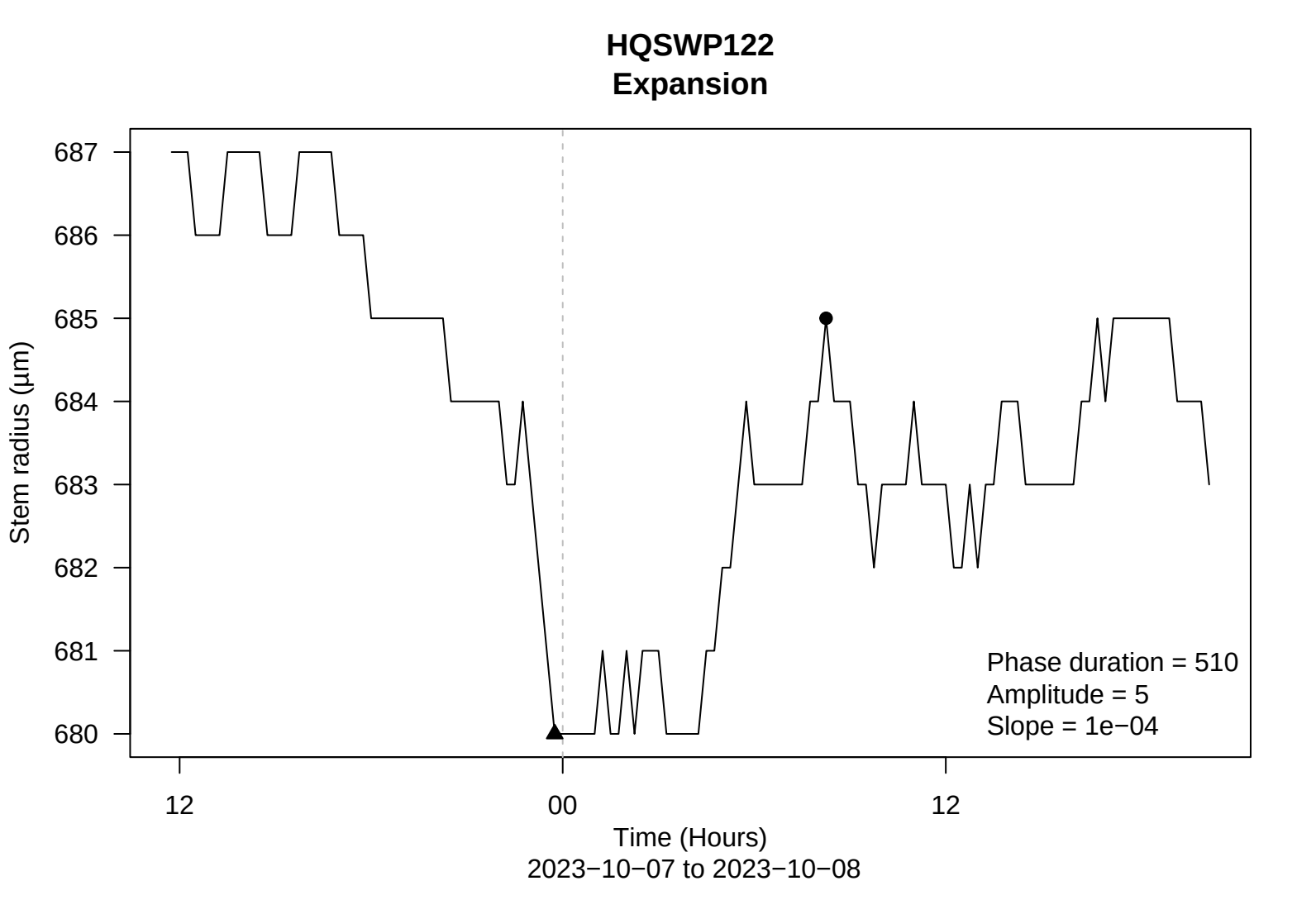

HQSWP122
Expansion
694
693
692
691
690
689
688
Stem radius (µm)
00
00
00
Time (Hours)
2023−10−02 to 2023−10−03
Phase duration = 2265
Amplitude = 6
Slope = 0

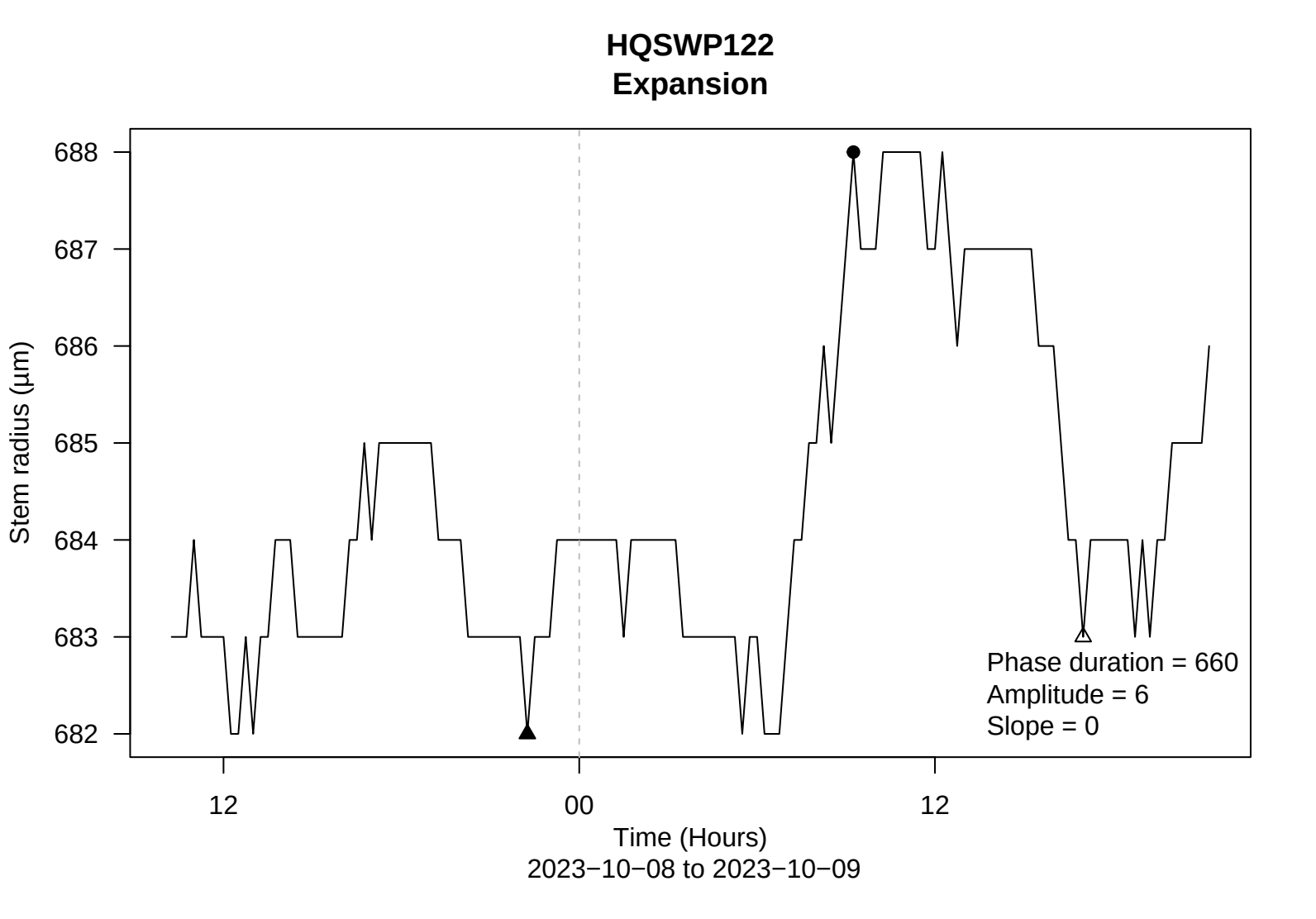

HQSWP122
Shrinkage
694
692
690
688
686
Stem radius (µm)
Phase duration = 3315
Amplitude = −9
Slope = 0
00
00
00
00
Time (Hours)
2023−10−03 to 2023−10−05

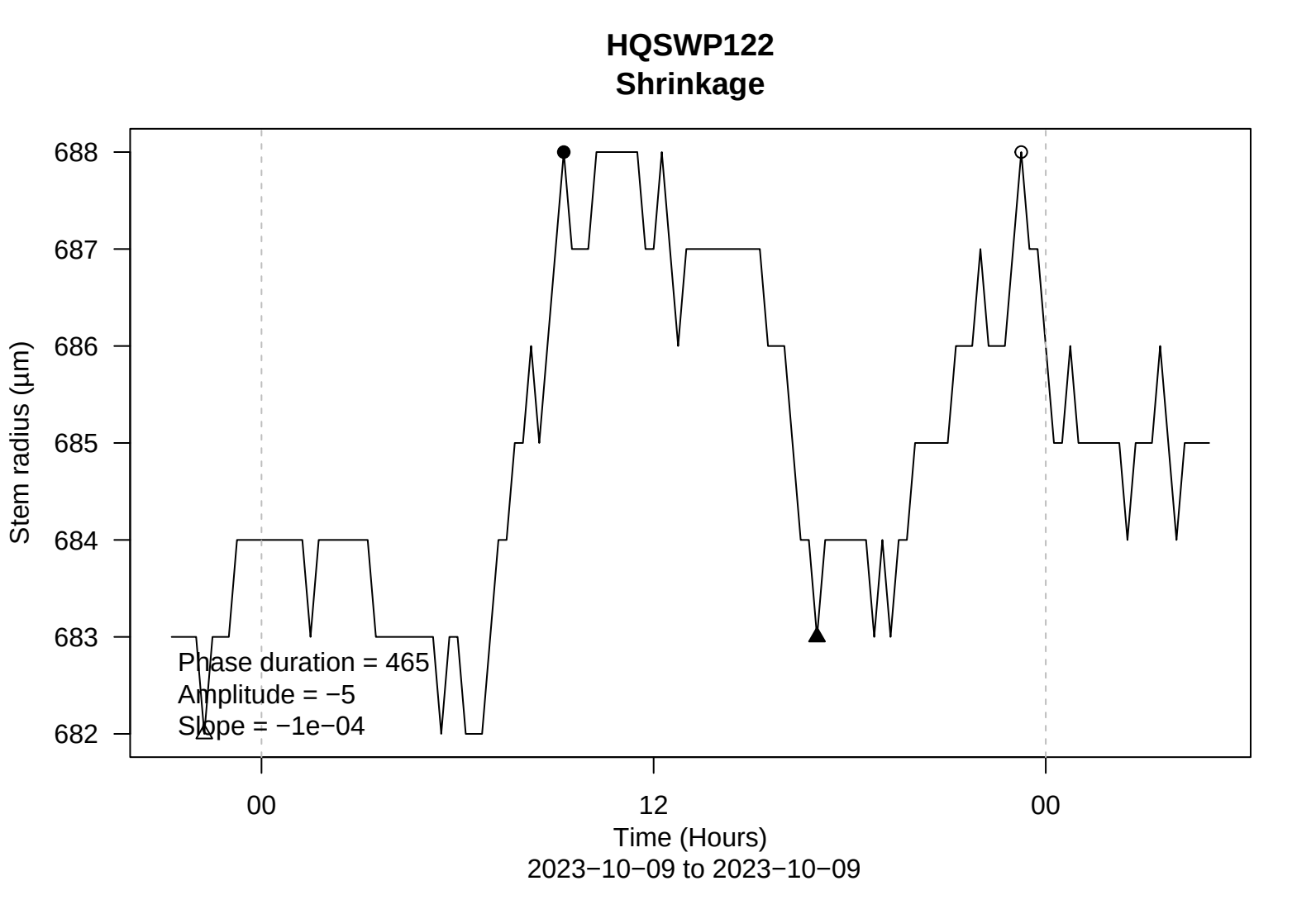

HQSWP122
Shrinkage
687
686
685
684
683
682
681
Stem radius (µm)
Phase duration = 690
Amplitude = −5
Slope = −1e−04
00
12
00
12
Time (Hours)
2023−10−06 to 2023−10−06

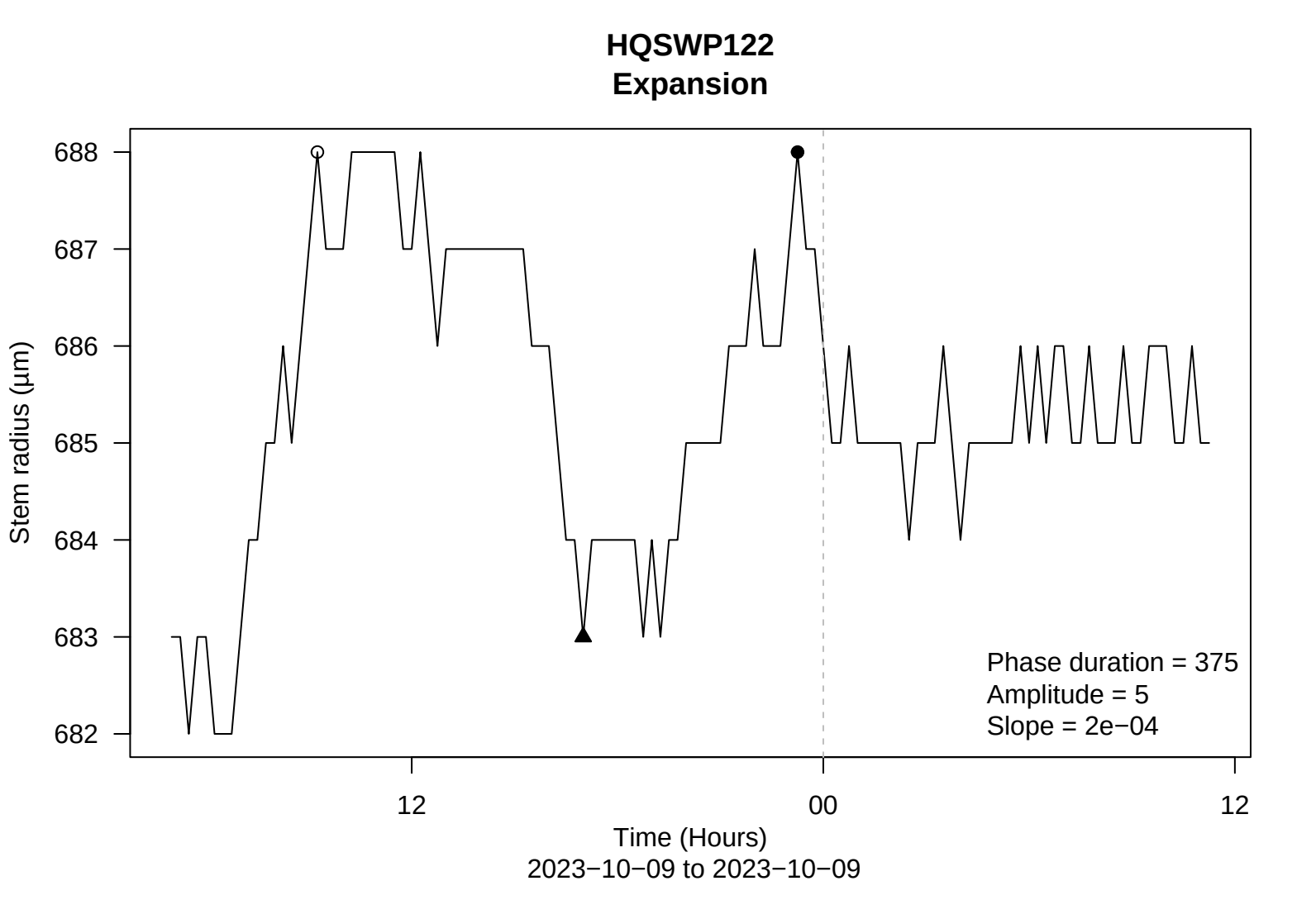

HQSWP122
Expansion
687
686
685
684
683
682
681
Stem radius (µm)
12
00
12
Time (Hours)
2023−10−06 to 2023−10−07
Phase duration = 615
Amplitude = 6
Slope = 2e−04

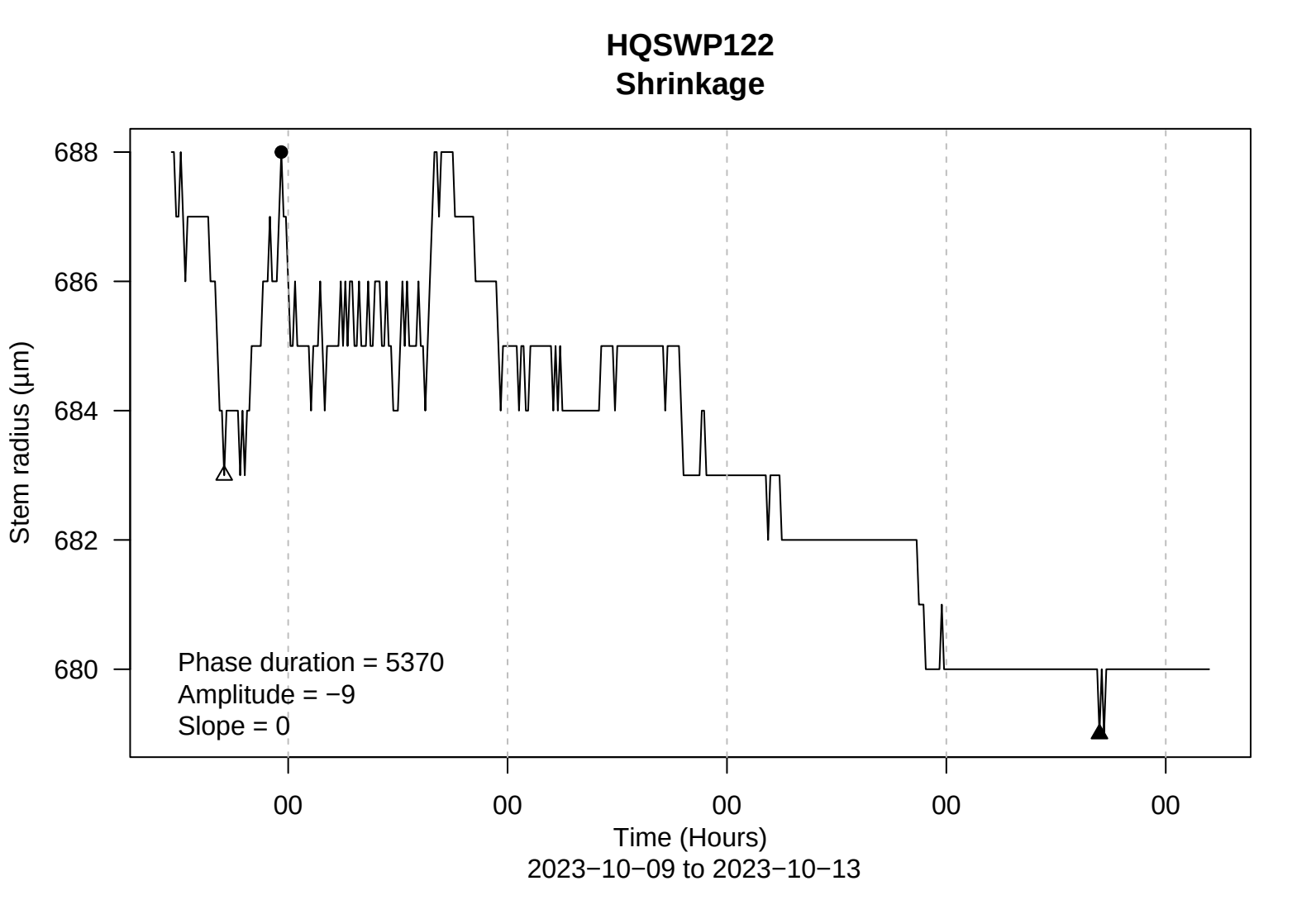

HQSWP122
Shrinkage
687
686
685
684
683
682
681
680
Stem radius (µm)
Phase duration = 825
Amplitude = −7
Slope = −1e−04
00
12
00
12
Time (Hours)
2023−10−07 to 2023−10−07

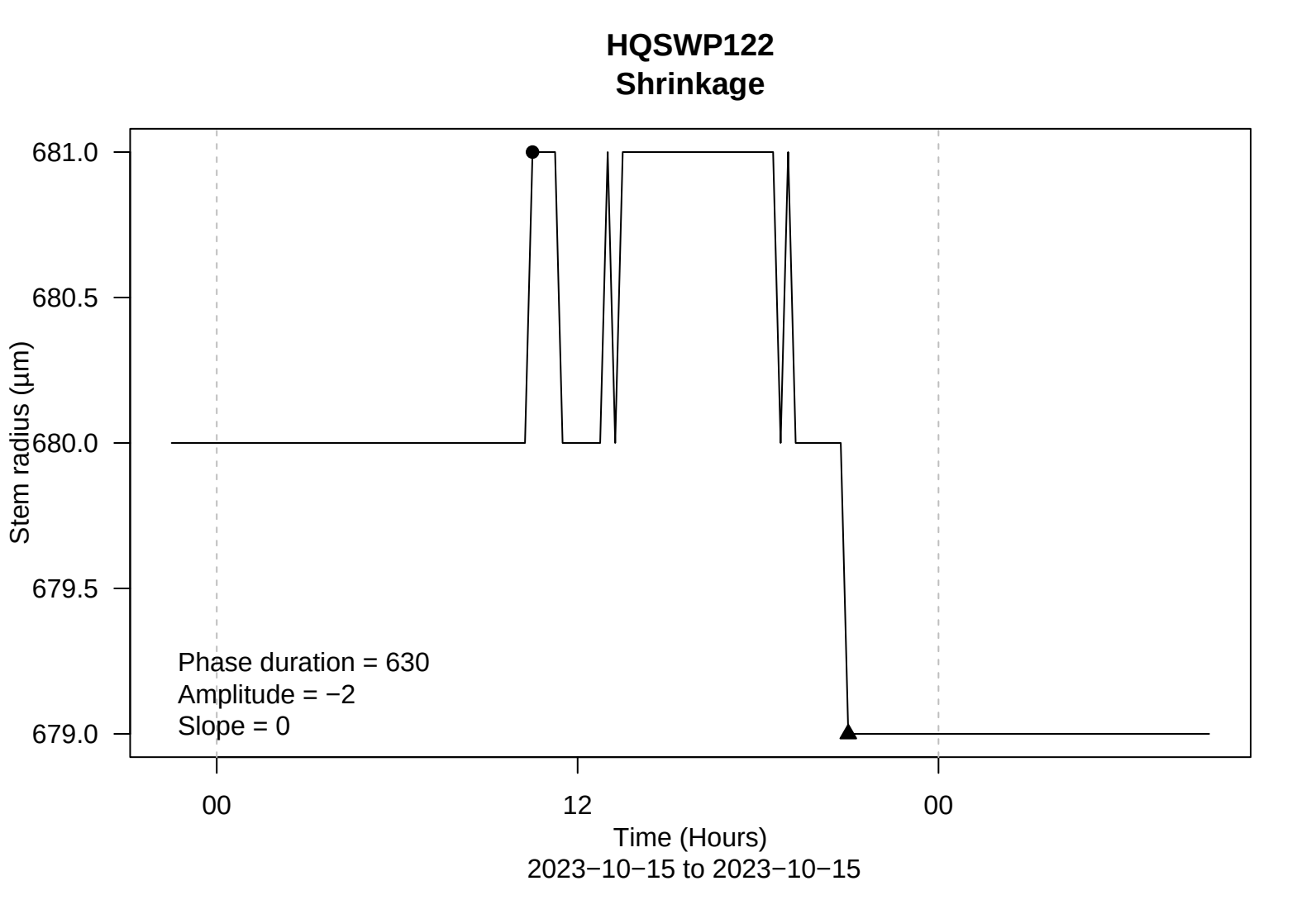

HQSWP122
Expansion
687
686
685
684
683
682
681
680
Stem radius (µm)
12
00
12
Time (Hours)
2023−10−07 to 2023−10−08
Phase duration = 510
Amplitude = 5
Slope = 1e−04

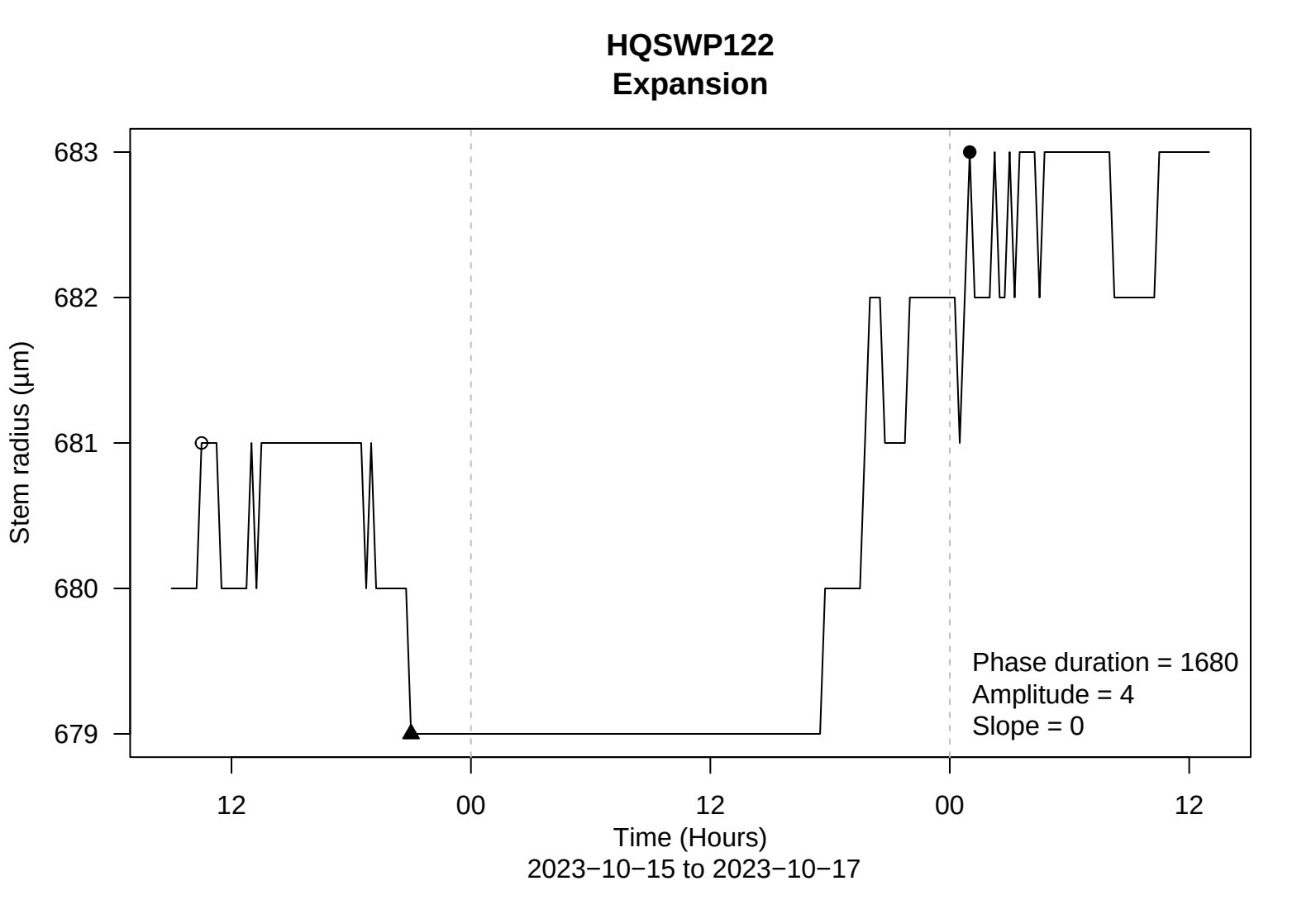

HQSWP122
Expansion
Stem radius (µm)
688
687
686
685
684
683
682
12
00
12
Time (Hours)
2023−10−08 to 2023−10−09
Phase duration = 660
Amplitude = 6
Slope = 0

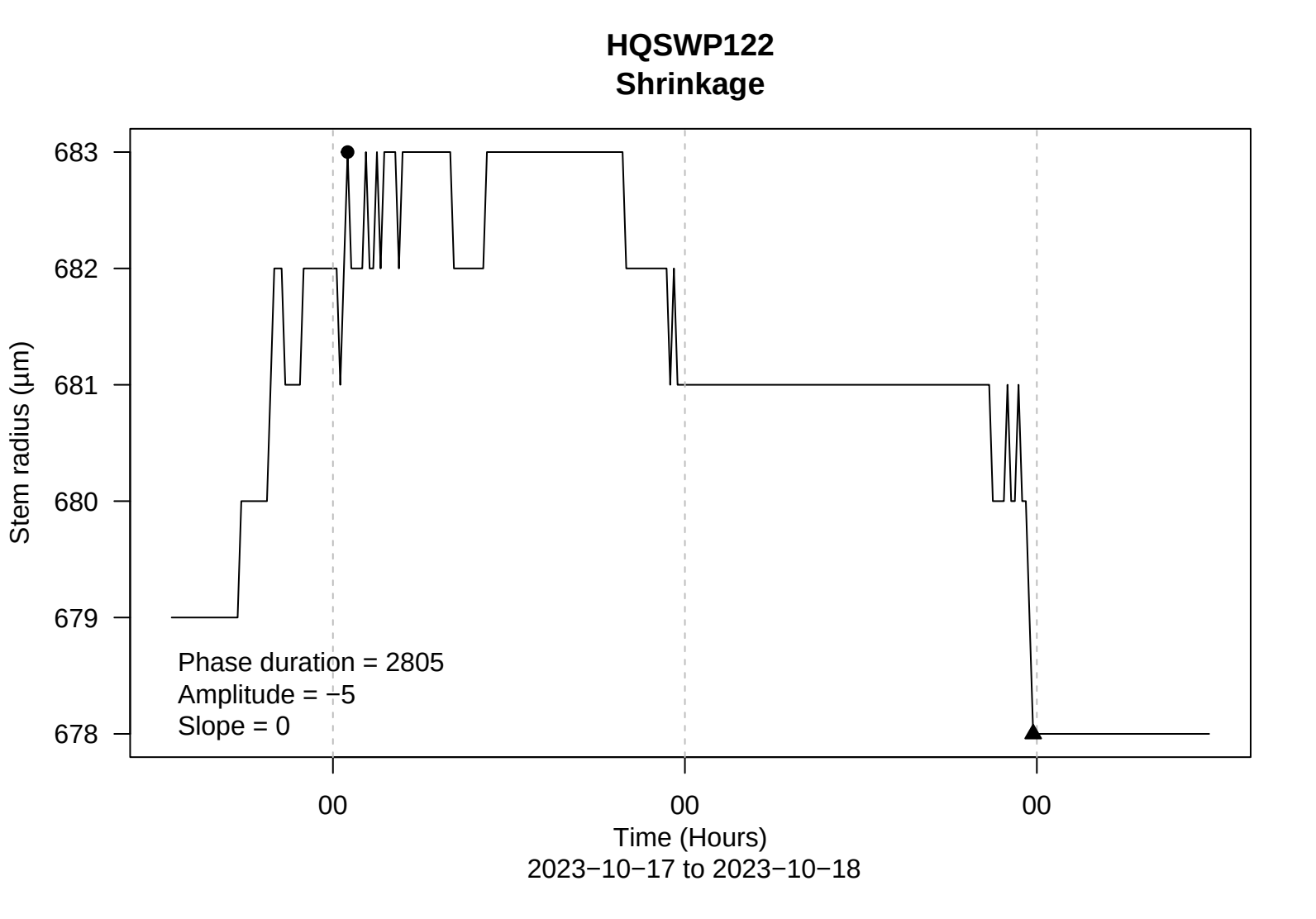

HQSWP122
Shrinkage
Stem radius (µm)
688
687
686
685
684
683
682
Phase duration = 465
Amplitude = −5
Slope = −1e−04
00
12
00
Time (Hours)
2023−10−09 to 2023−10−09

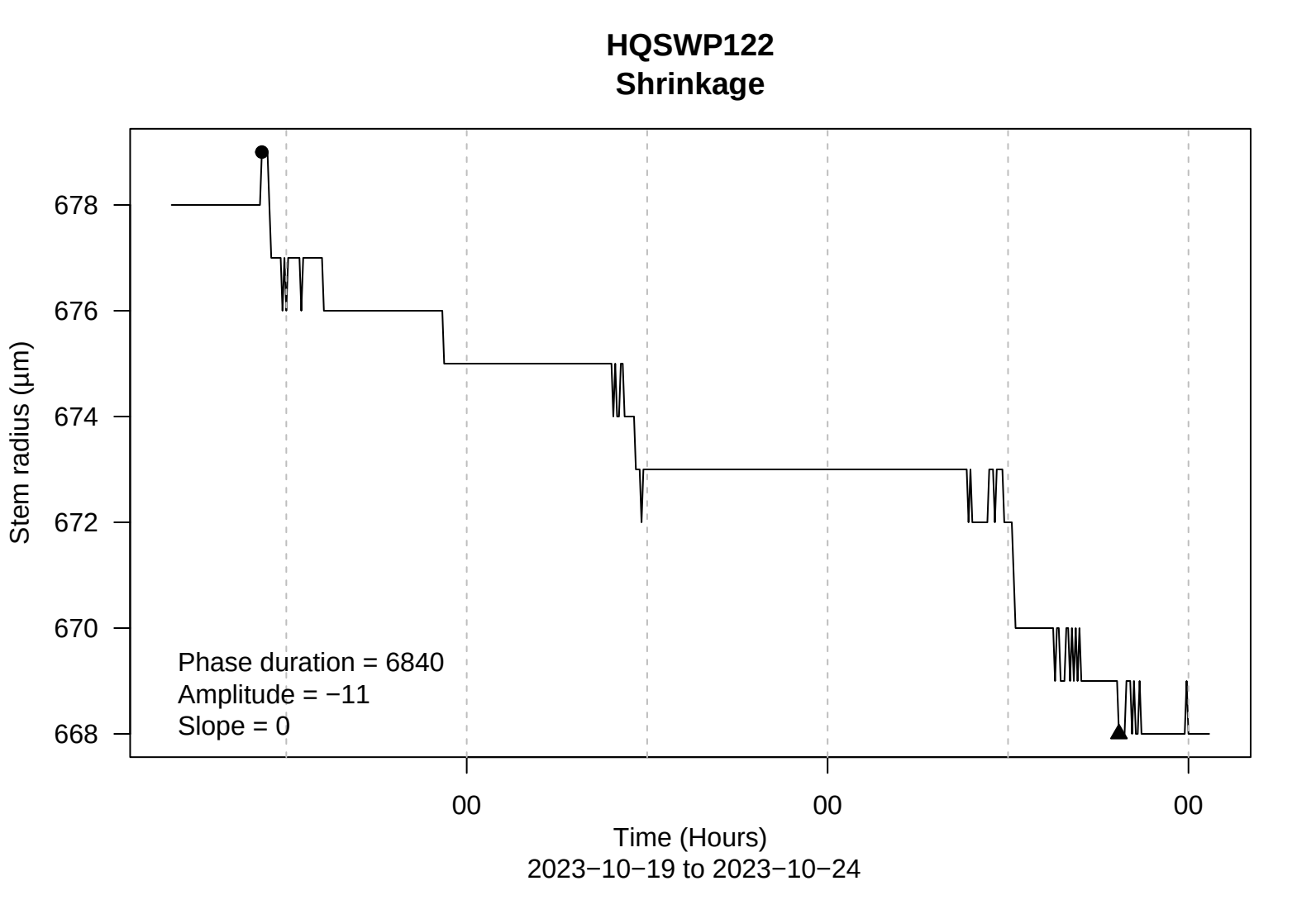

HQSWP122
Expansion
Stem radius (µm)
688
687
686
685
684
683
682
12
00
12
Time (Hours)
2023−10−09 to 2023−10−09
Phase duration = 375
Amplitude = 5
Slope = 2e−04

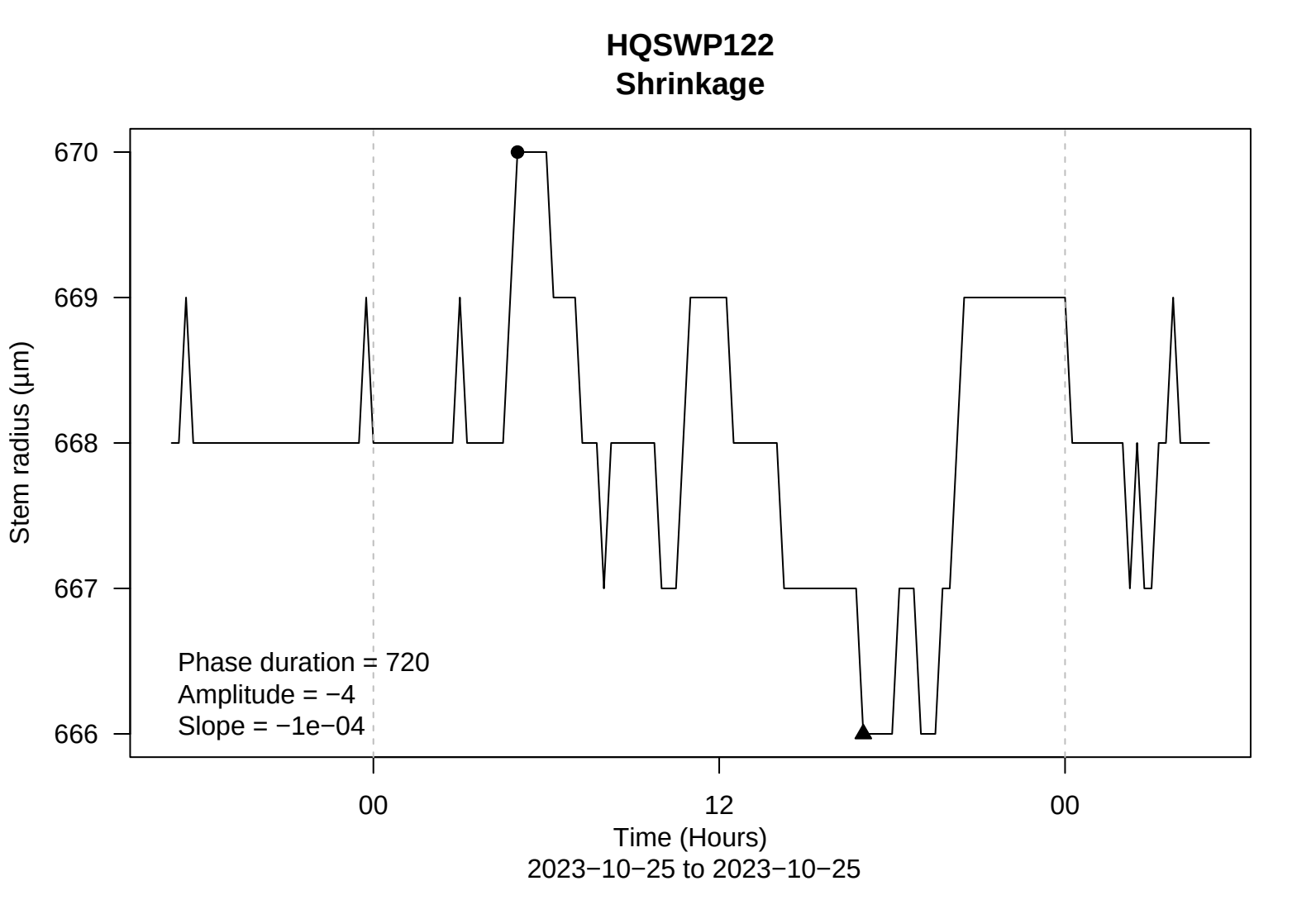

HQSWP122
Shrinkage
688
686
684
682
680
Stem radius (µm)
Phase duration = 5370
Amplitude = −9
Slope = 0
00
00
00
00
00
Time (Hours)
2023−10−09 to 2023−10−13

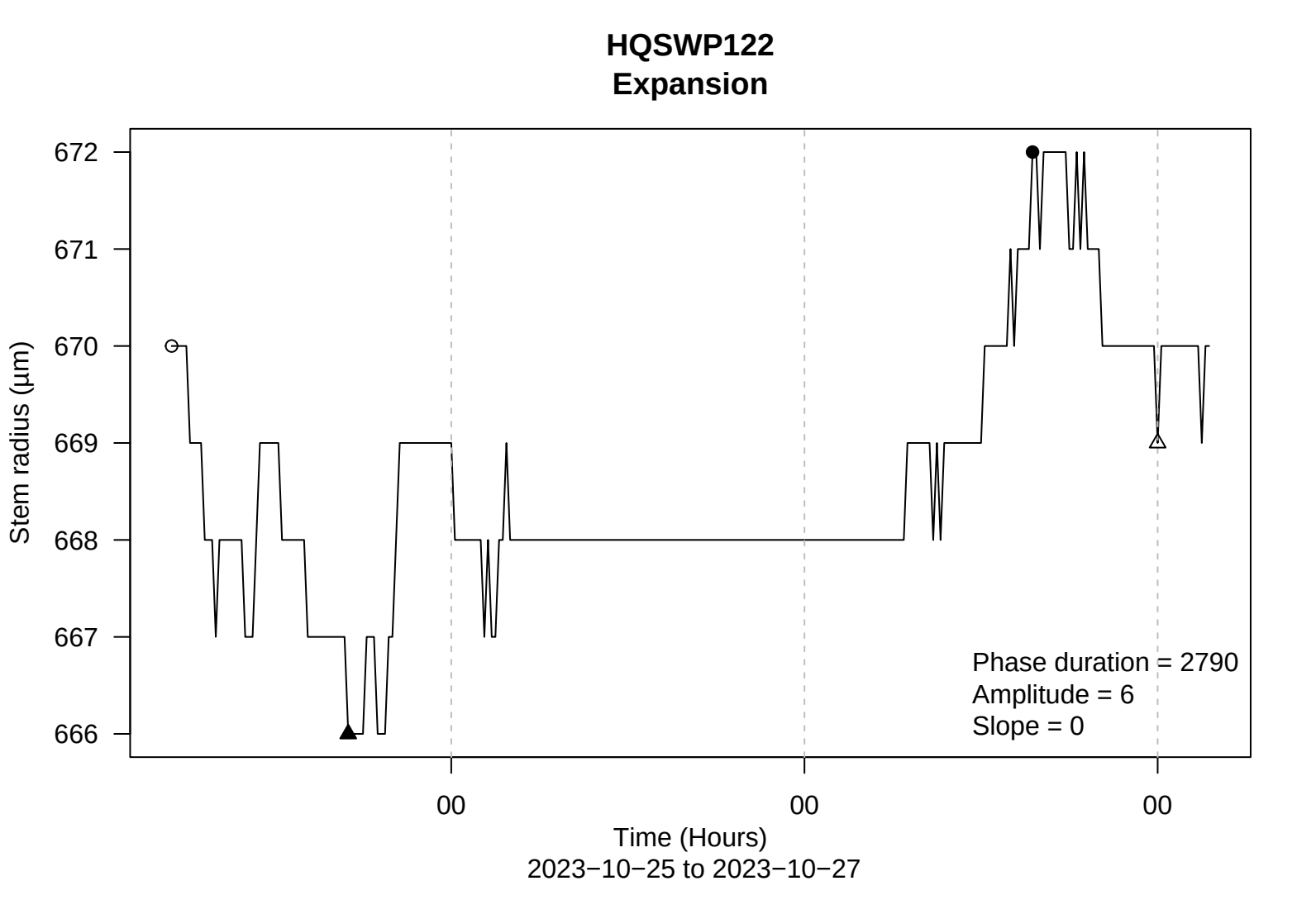

HQSWP122
Shrinkage
681.0
680.5
680.0
679.5
679.0
Stem radius (µm)
Phase duration = 630
Amplitude = −2
Slope = 0
00
12
00
Time (Hours)
2023−10−15 to 2023−10−15

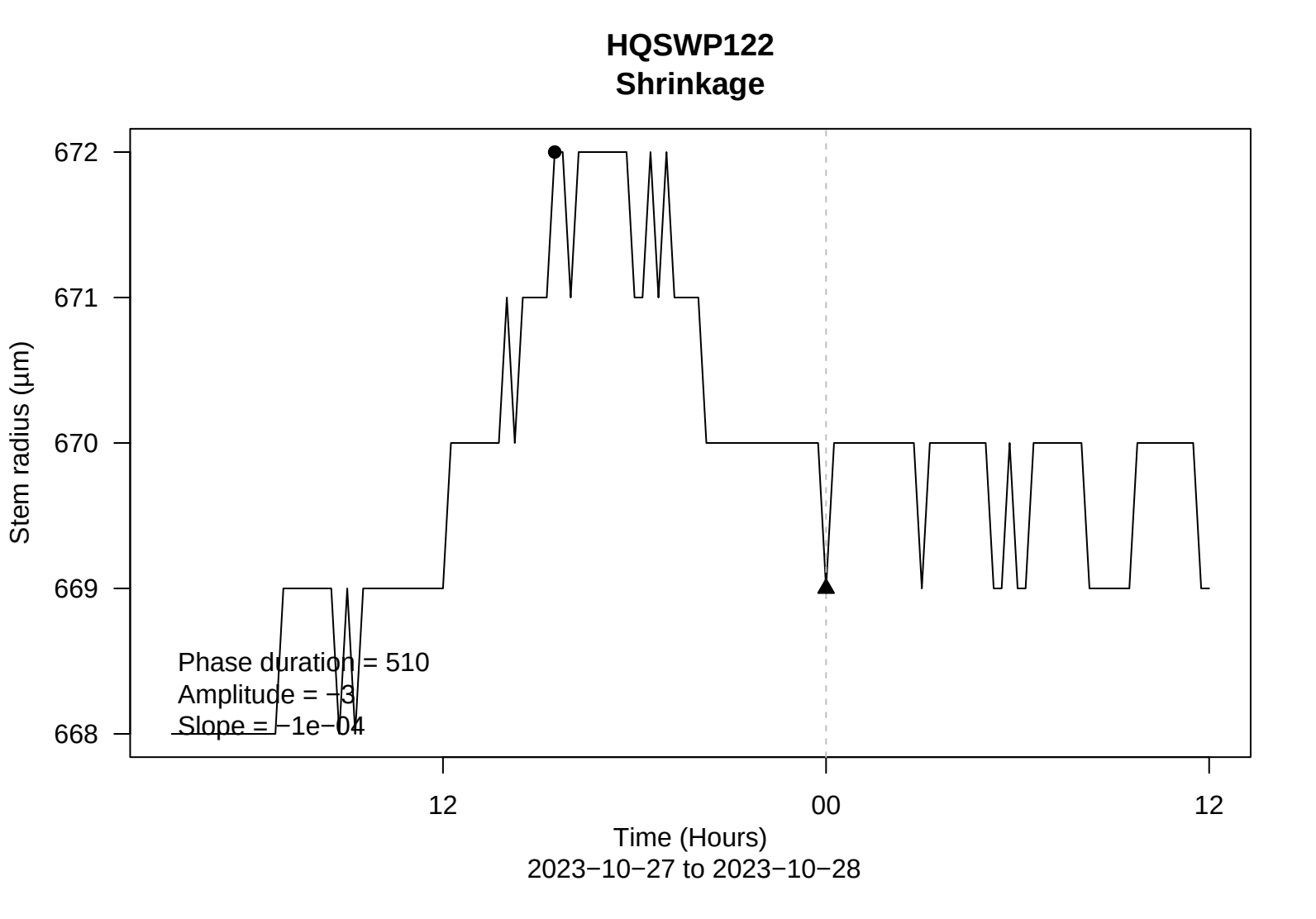

HQSWP122
Expansion
683
682
681
680
679
Stem radius (µm)
12
00
12
00
12
Time (Hours)
2023−10−15 to 2023−10−17
Phase duration = 1680
Amplitude = 4
Slope = 0

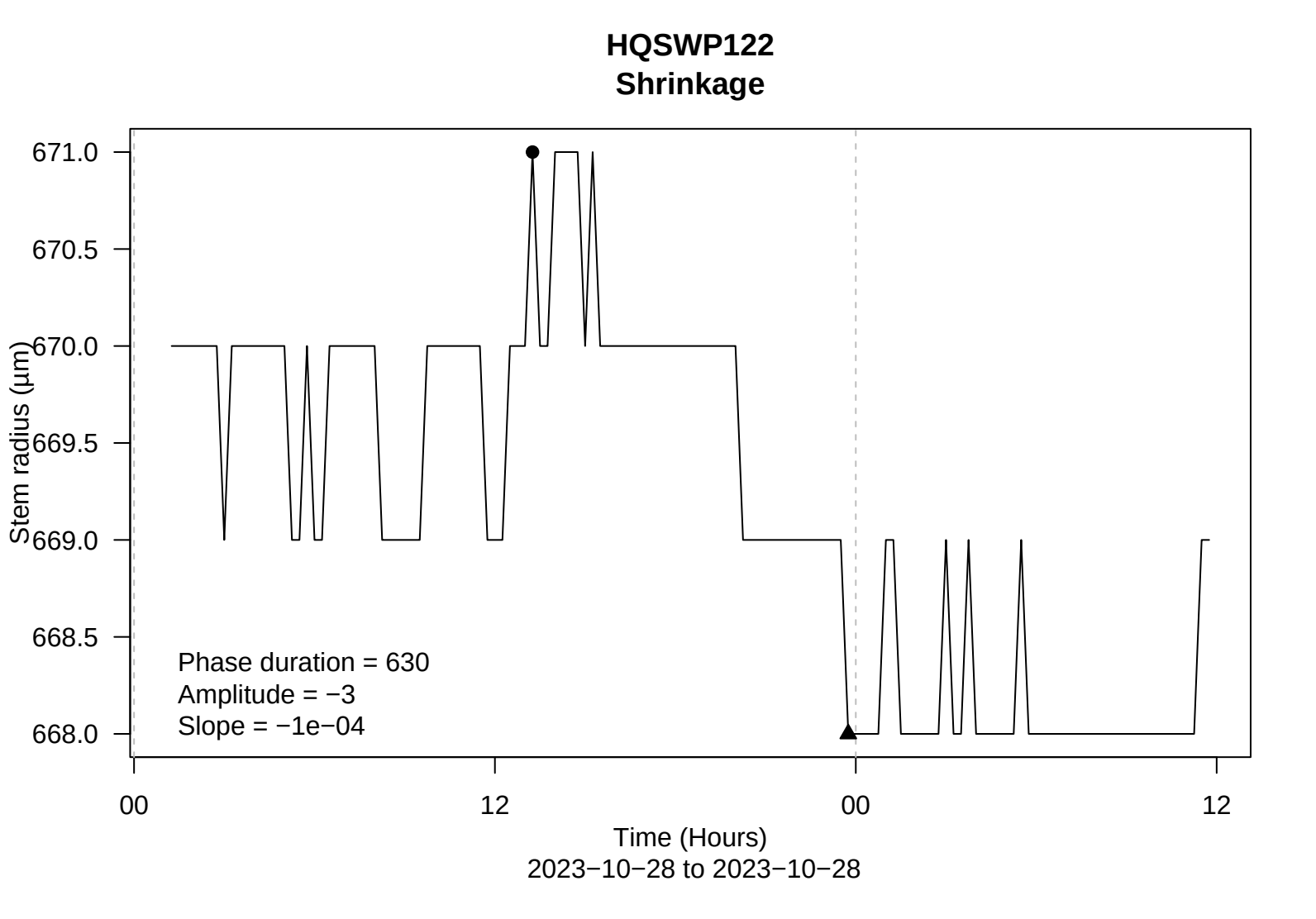

HQSWP122
Shrinkage
683
682
681
680
679
678
Stem radius (µm)
Phase duration = 2805
Amplitude = −5
Slope = 0
00
00
00
Time (Hours)
2023−10−17 to 2023−10−18

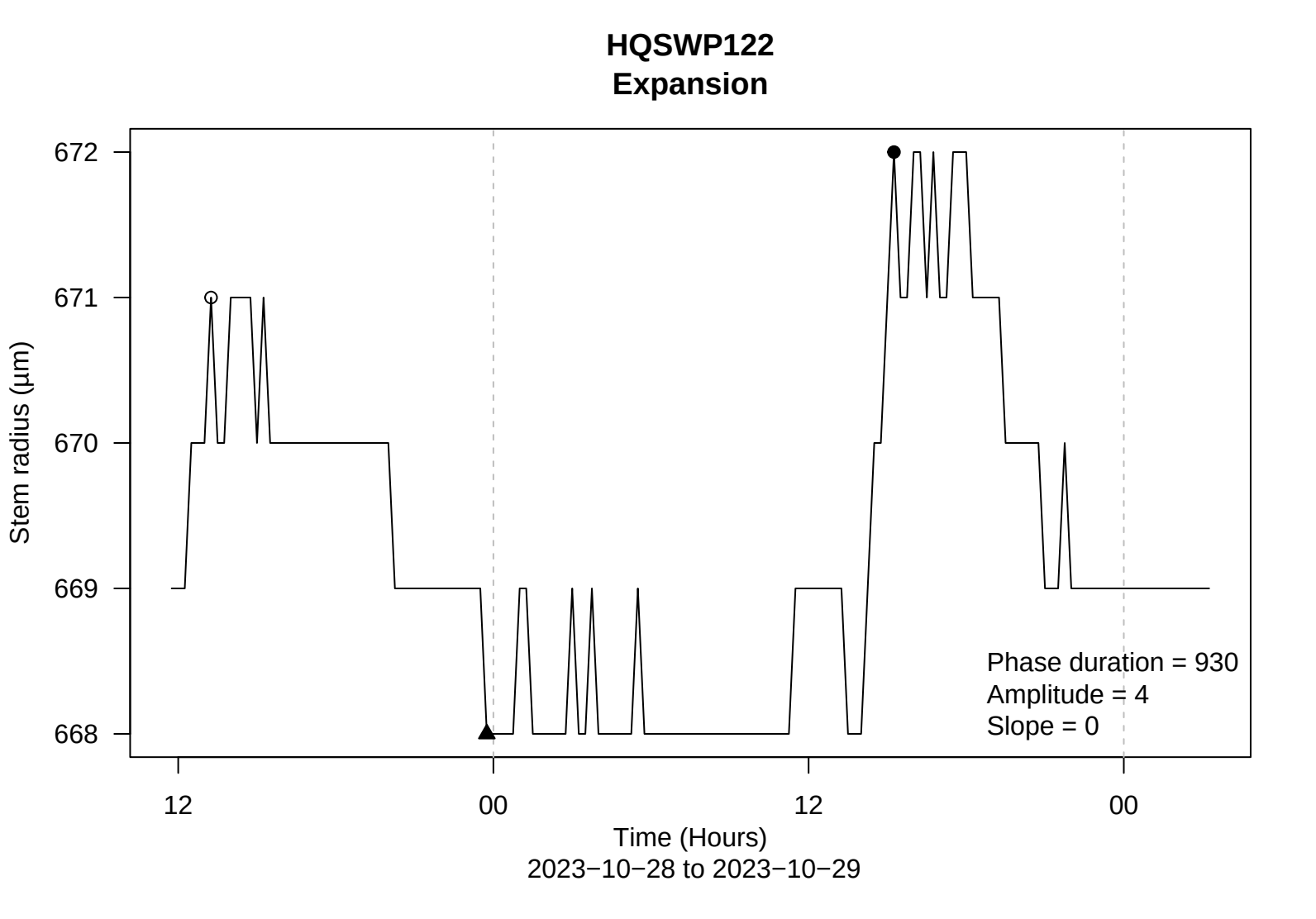

HQSWP122
Shrinkage
678
676
674
672
670
668
Stem radius (µm)
Phase duration = 6840
Amplitude = −11
Slope = 0
00
00
00
Time (Hours)
2023−10−19 to 2023−10−24

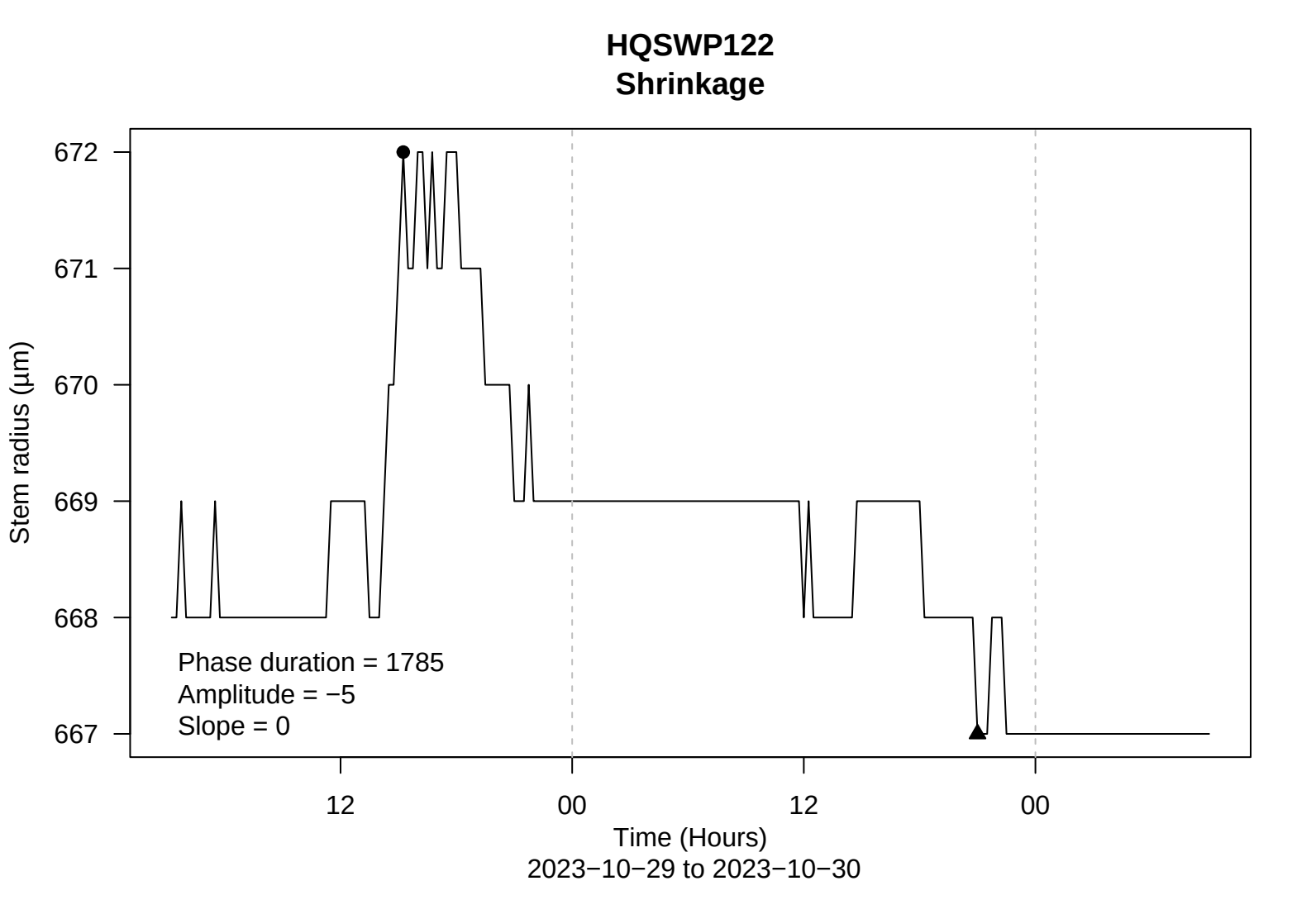

HQSWP122
Shrinkage
670
669
668
667
666
Stem radius (µm)
Phase duration = 720
Amplitude = −4
Slope = −1e−04
00
12
00
Time (Hours)
2023−10−25 to 2023−10−25

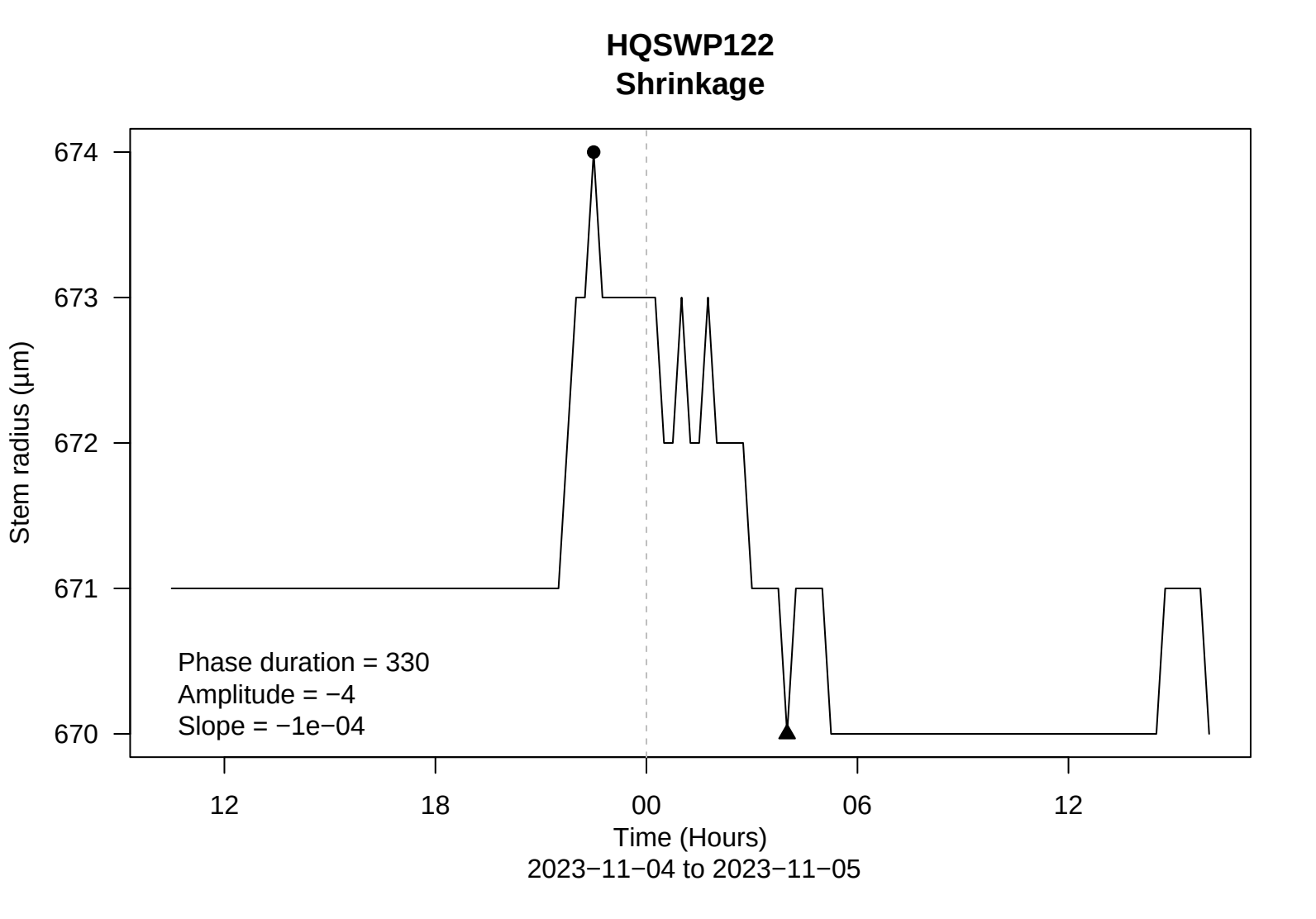

HQSWP122
Expansion
672
671
670
669
668
667
666
Stem radius (µm)
00
00
00
Time (Hours)
2023−10−25 to 2023−10−27
Phase duration = 2790
Amplitude = 6
Slope = 0

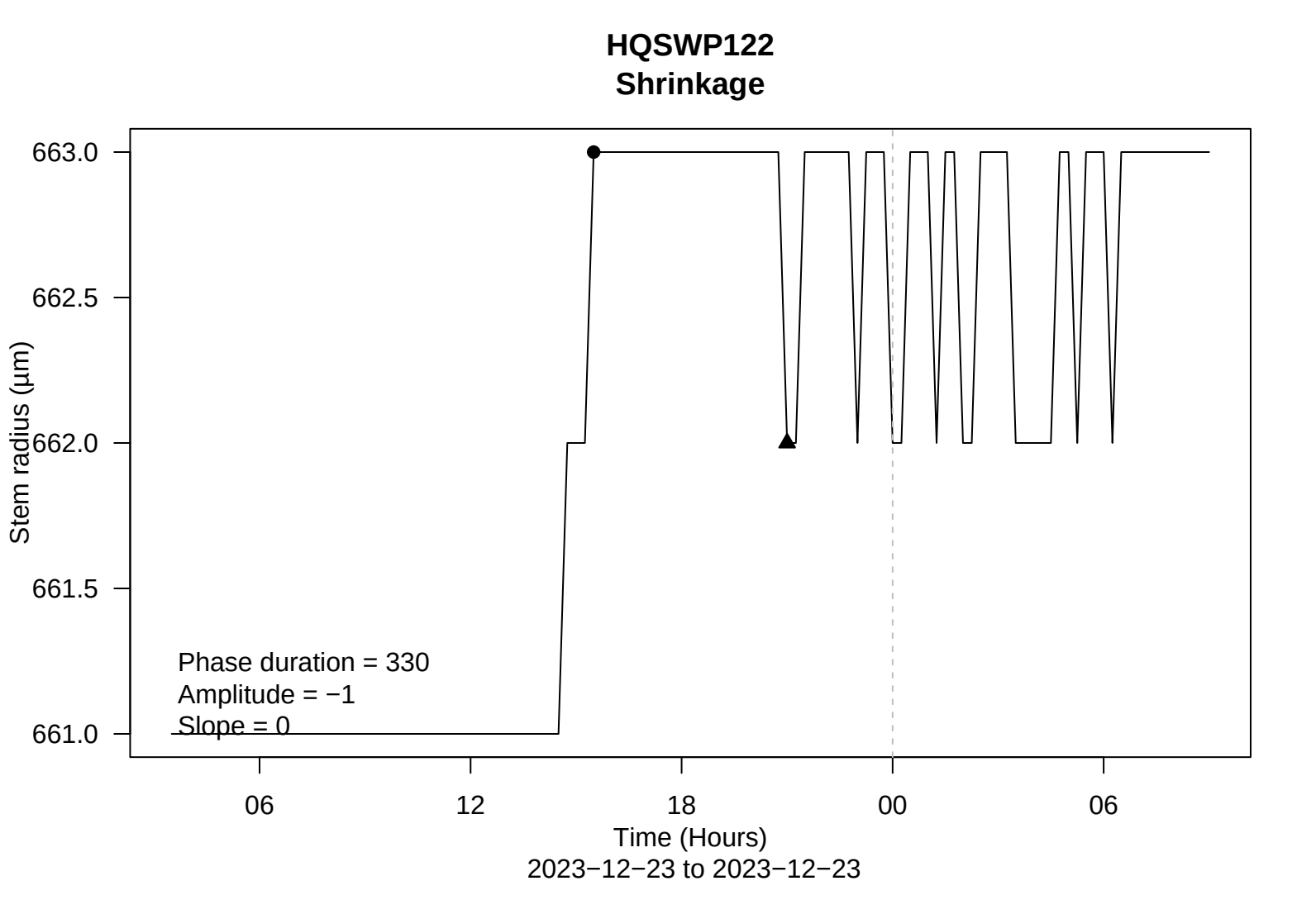

HQSWP122
Shrinkage
672
671
670
669
668
Stem radius (µm)
Phase duration = 510
Amplitude = −3
Slope = −1e−04
12
00
12
Time (Hours)
2023−10−27 to 2023−10−28


HQSWP122
Shrinkage
671.0
670.5
670.0
669.5
669.0
668.5
668.0
Stem radius (µm)
Phase duration = 630
Amplitude = −3
Slope = −1e−04
00
12
00
12
Time (Hours)
2023−10−28 to 2023−10−28


HQSWP122
Expansion
672
671
670
669
668
Stem radius (µm)
12
00
12
00
Time (Hours)
2023−10−28 to 2023−10−29
Phase duration = 930
Amplitude = 4
Slope = 0


HQSWP122
Shrinkage
672
671
670
669
668
667
Stem radius (µm)
Phase duration = 1785
Amplitude = −5
Slope = 0
12
00
12
00
Time (Hours)
2023−10−29 to 2023−10−30


HQSWP122
Shrinkage
674
673
672
671
670
Stem radius (µm)
Phase duration = 330
Amplitude = −4
Slope = −1e−04
12
18
00
06
12
Time (Hours)
2023−11−04 to 2023−11−05


HQSWP122
Shrinkage
663.0
662.5
662.0
661.5
661.0
Stem radius (µm)
Phase duration = 330
Amplitude = −1
Slope = 0
06
12
18
00
06
Time (Hours)
2023−12−23 to 2023−12−23