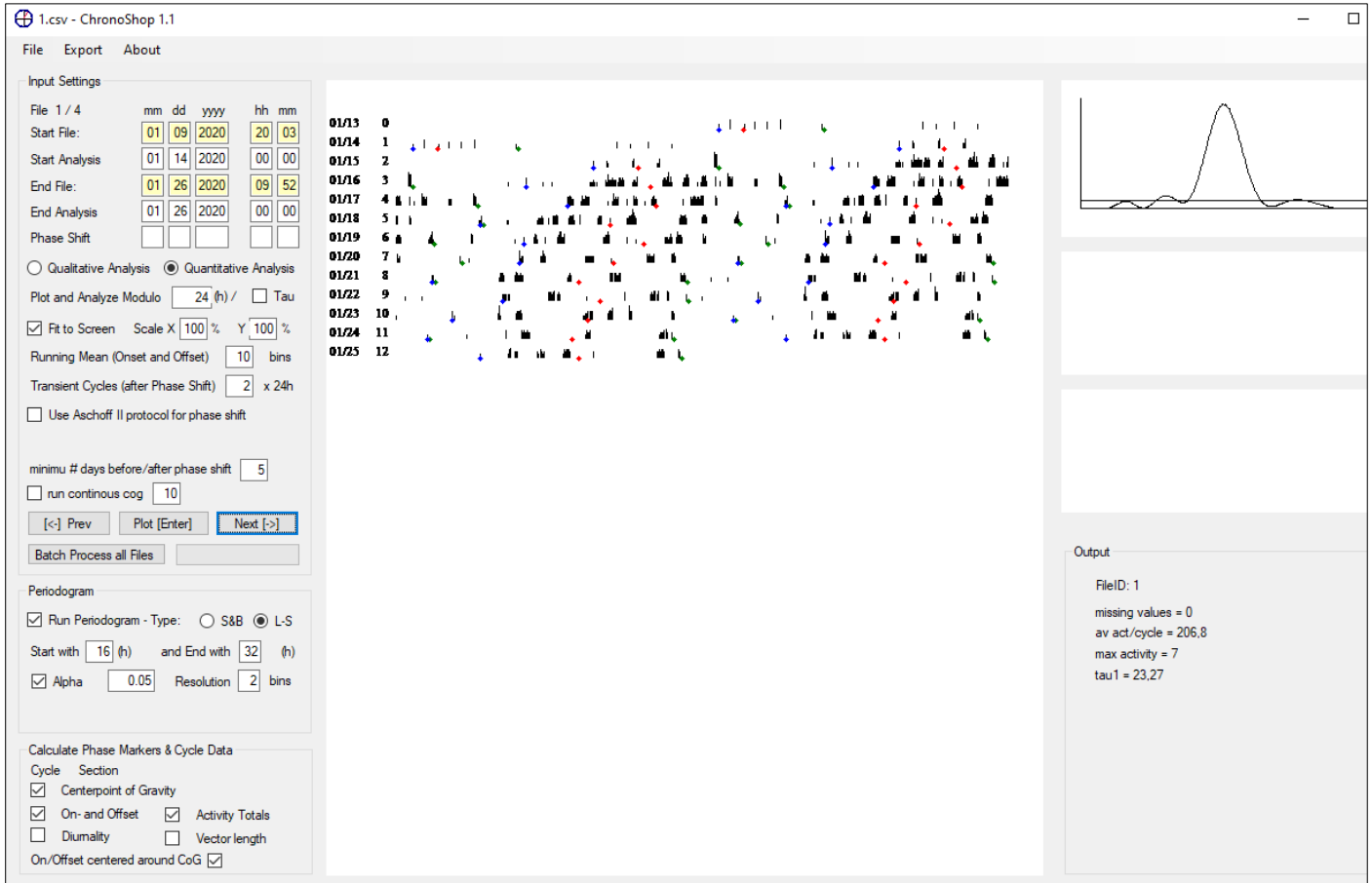
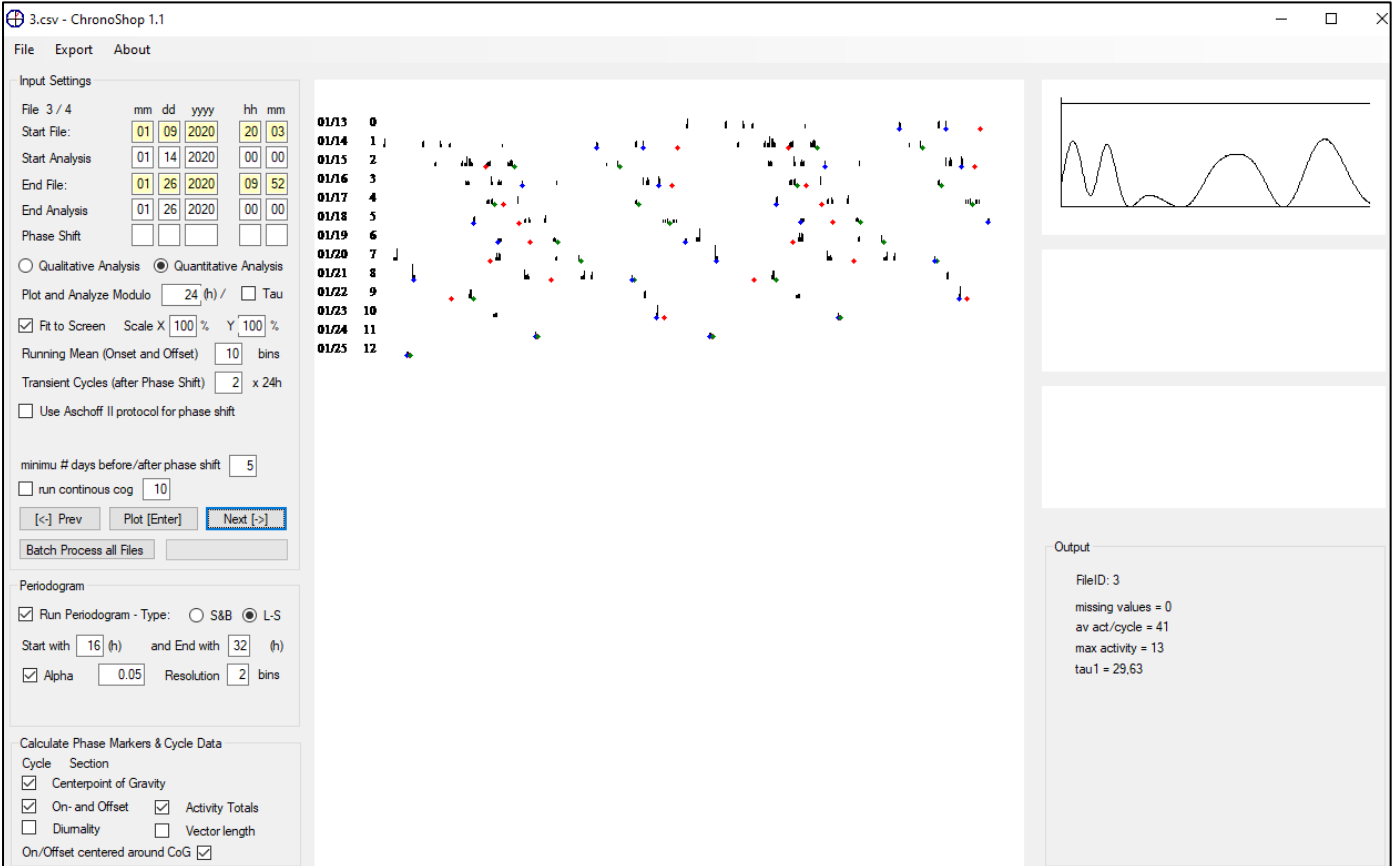
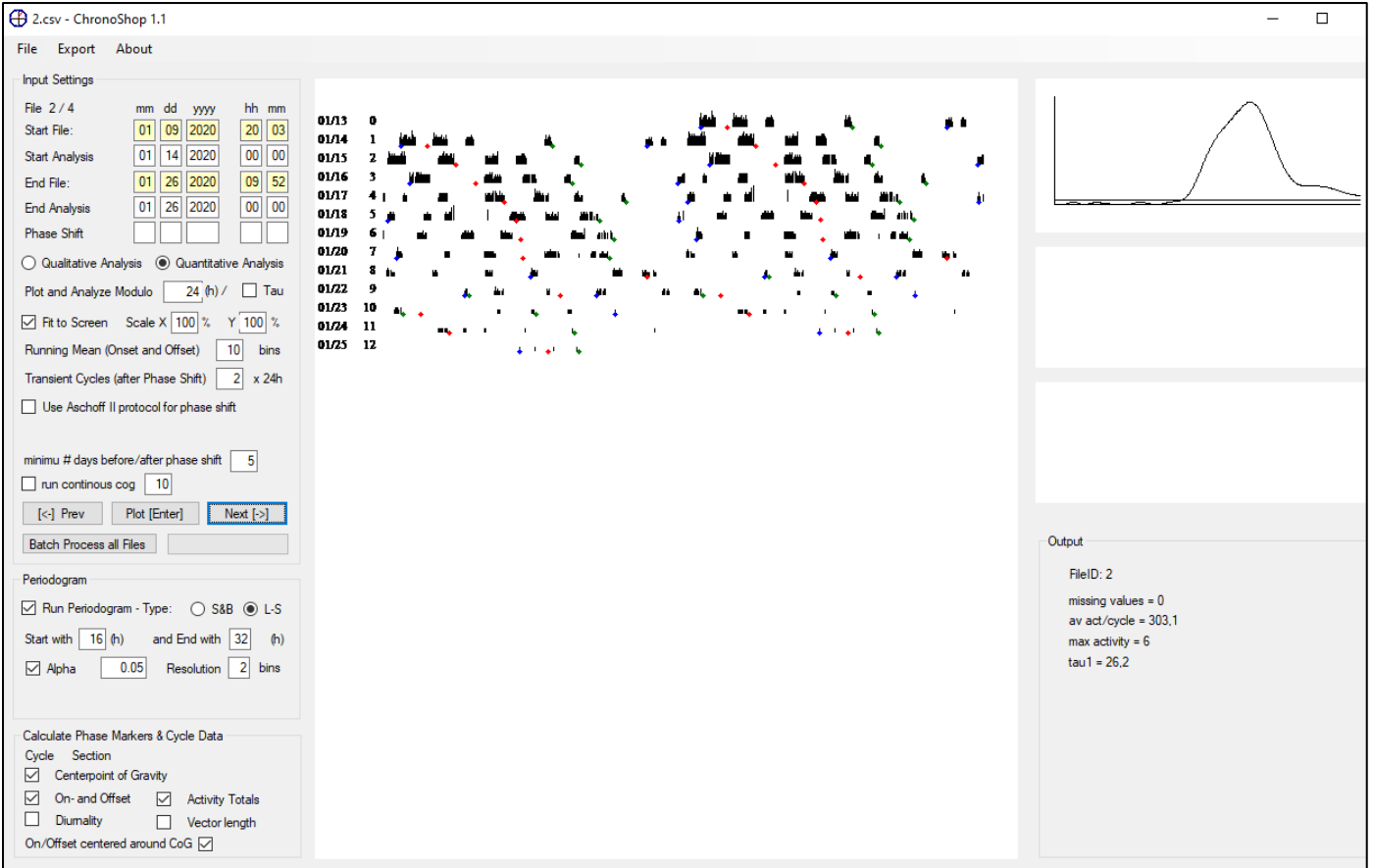


Appendix D

Trial 1. Quantitative Actograms. Blue, red and green dots are, respectively, onset, CoG and Offset. Spider number is at the top left of each actogram.

If more actograms than one for one spider are visible, the last actogram was used for Tau (actogram with least cycles).





4.csv - ChronoShop 1.1

File Export About

Input Settings

File 4 / 4 mm dd yyyy hh mm

Start File: 01 09 2020 20 03

Start Analysis: 01 14 2020 00 00

End File: 01 26 2020 09 52

End Analysis: 01 26 2020 00 00

Phase Shift:

Qualitative Analysis Quantitative Analysis

Plot and Analyze Modulo 24 (h) / Tau

Fit to Screen Scale X 100 % Y 100 %

Running Mean (Onset and Offset) 10 bins

Transient Cycles (after Phase Shift) 2 x 24h

Use Aschoff II protocol for phase shift

minimu # days before/after phase shift 5

run continous cog 10

[<-] Prev Plot [Enter] Next [>-]

Batch Process all Files

Periodogram

Run Periodogram - Type: S&B L-S

Start with 16 (h) and End with 32 (h)

Alpha 0.05 Resolution 2 bins

Calculate Phase Markers & Cycle Data

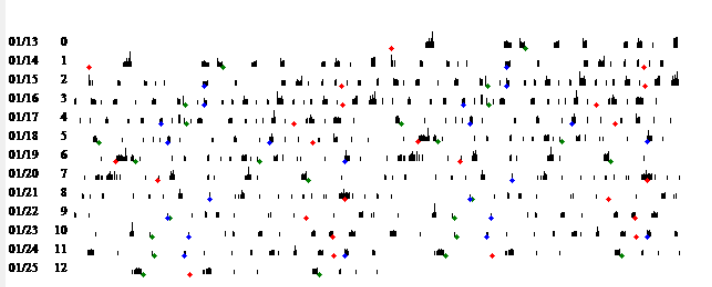
Cycle Section

Centerpoint of Gravity

On- and Offset Activity Totals

Diurnality Vector length

On/Offset centered around CoG



01/13 0

01/14 1

01/15 2

01/16 3

01/17 4

01/18 5

01/19 6

01/20 7

01/21 8

01/22 9

01/23 10

01/24 11

01/25 12

Output

FileID: 4

missing values = 0

av act/cycle = 145,1

max activity = 9

tau1 = 24