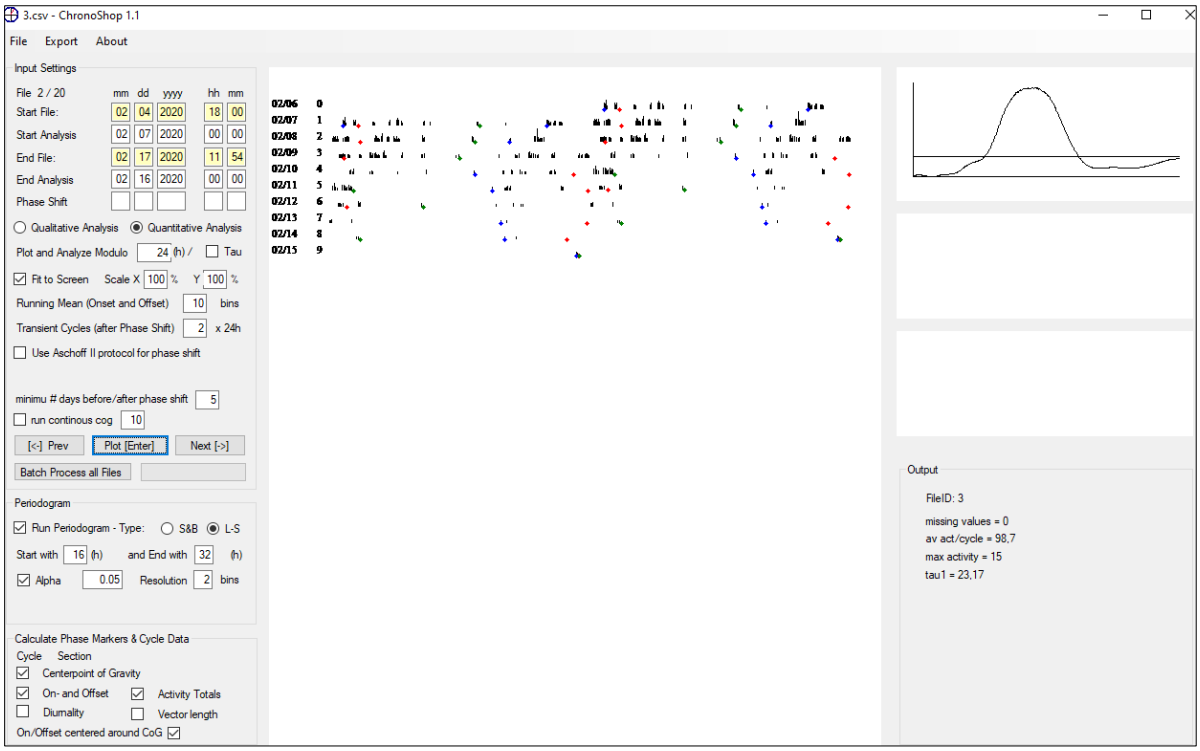
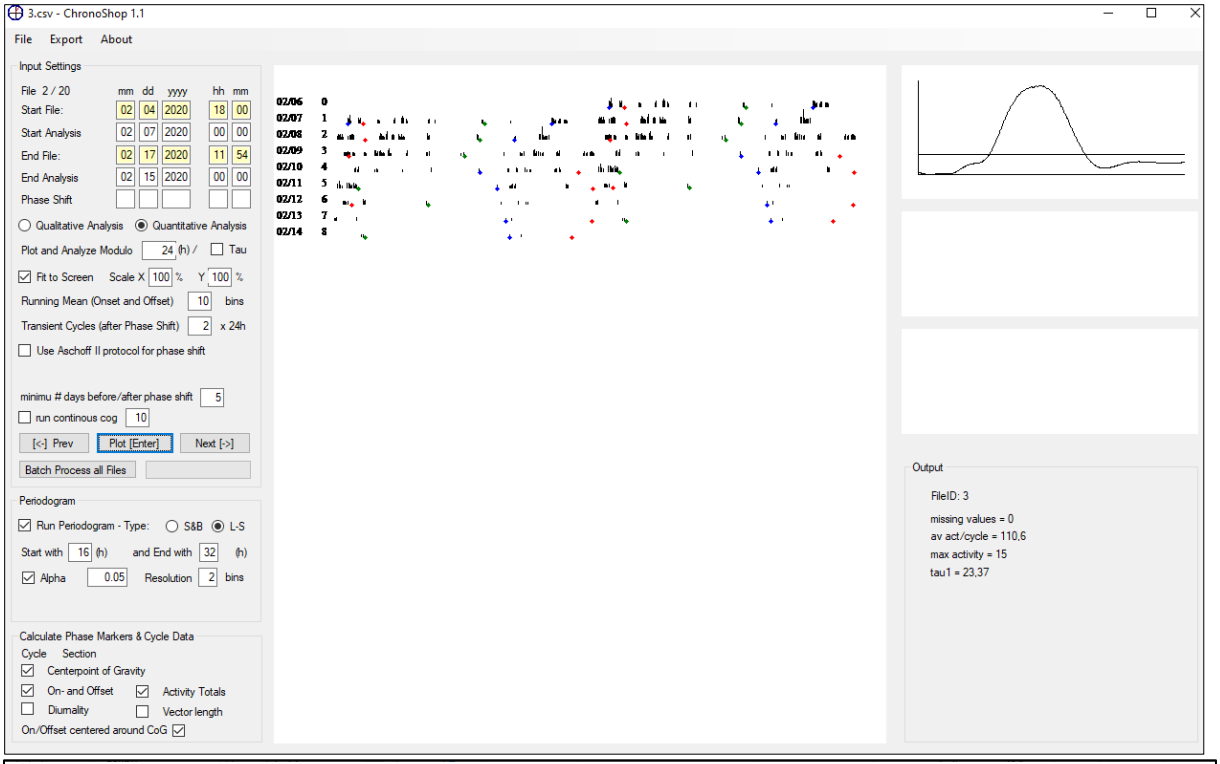
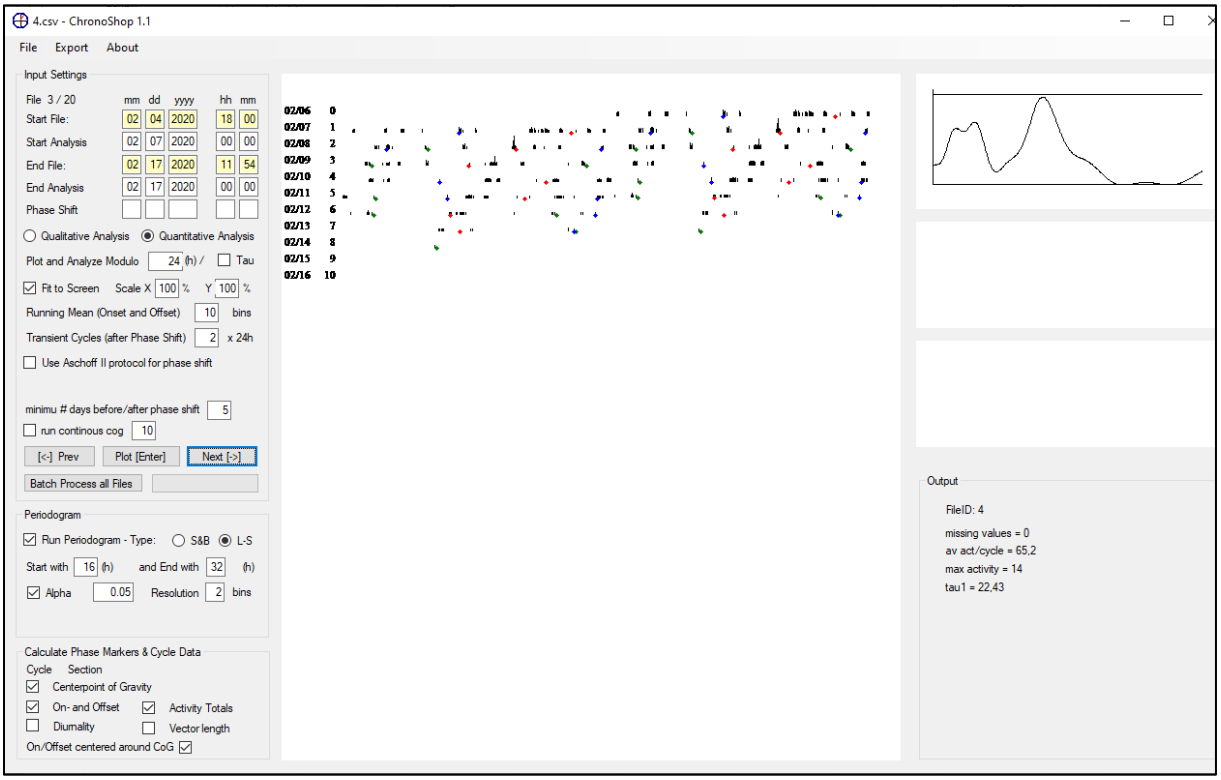
Appendix E

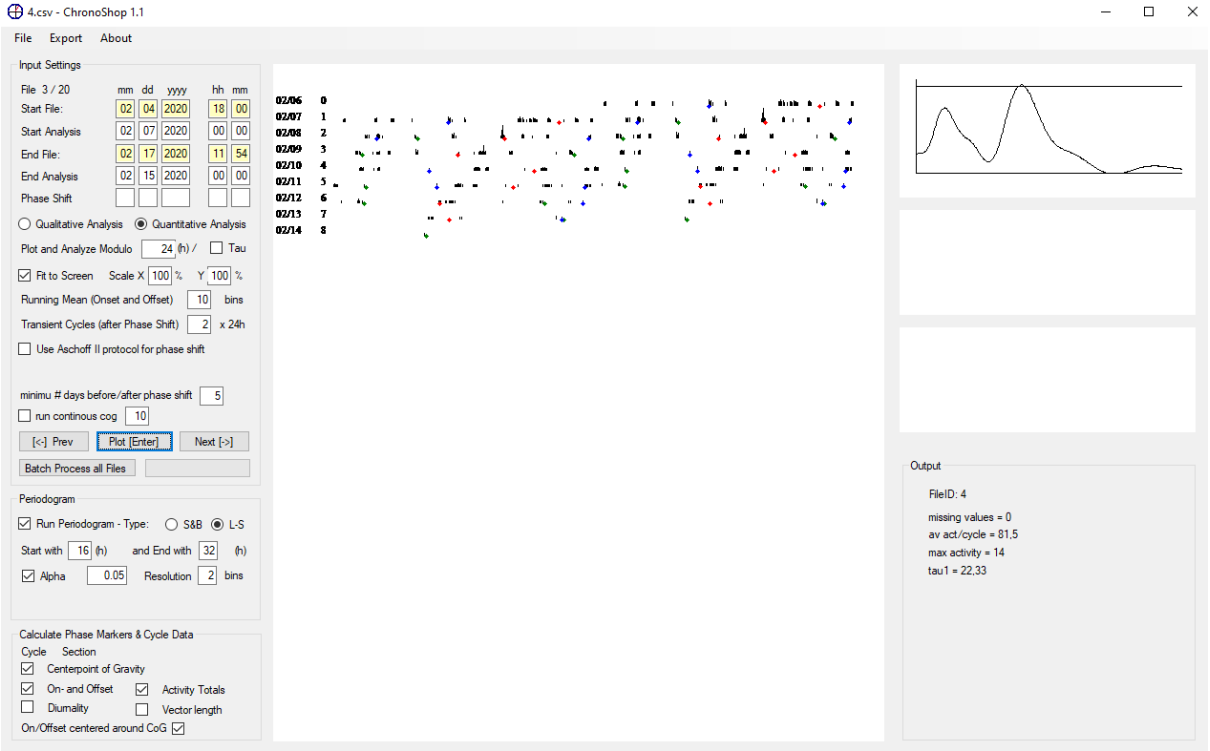
Actograms Tau trial 2

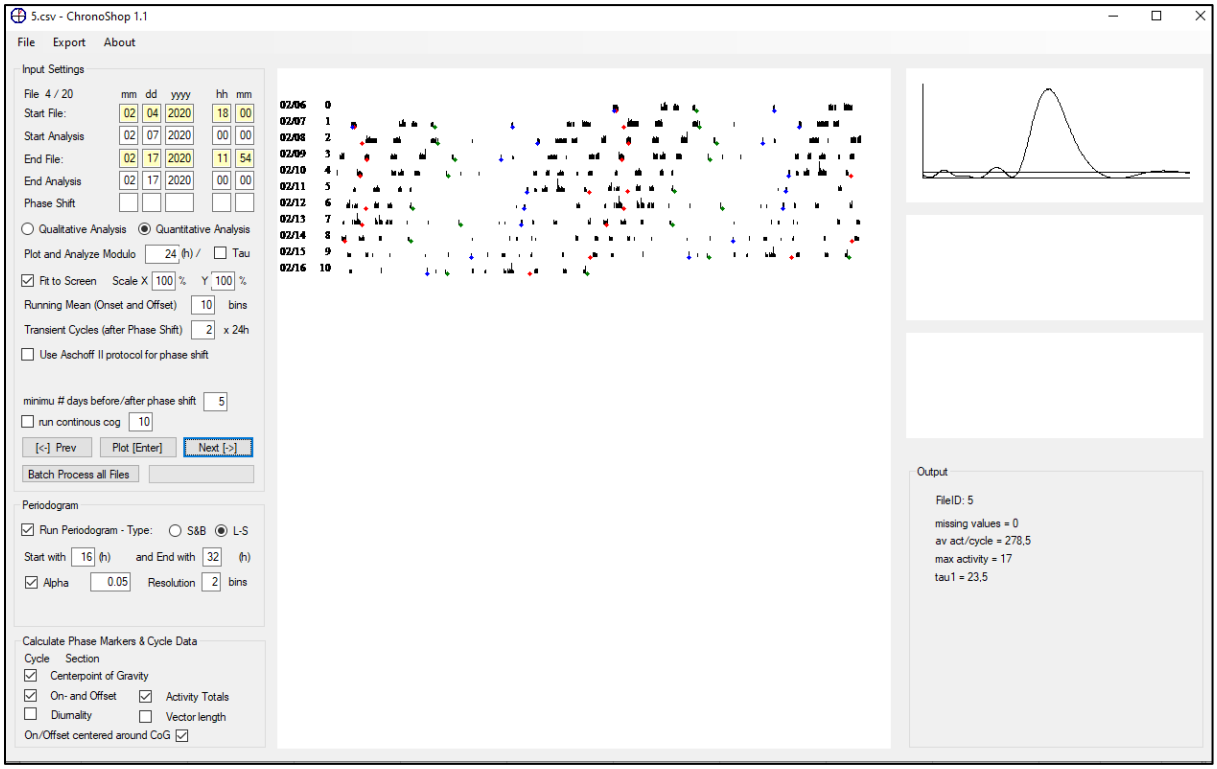
Trial 2. Quantitative Actograms. Blue, red and green dots are, respectively, onset, CoG and Offset. Spider number is at the top left of each actogram.
If more actograms than one for one spider is visible, last actogram was used for Tau (actogram with least cycles).

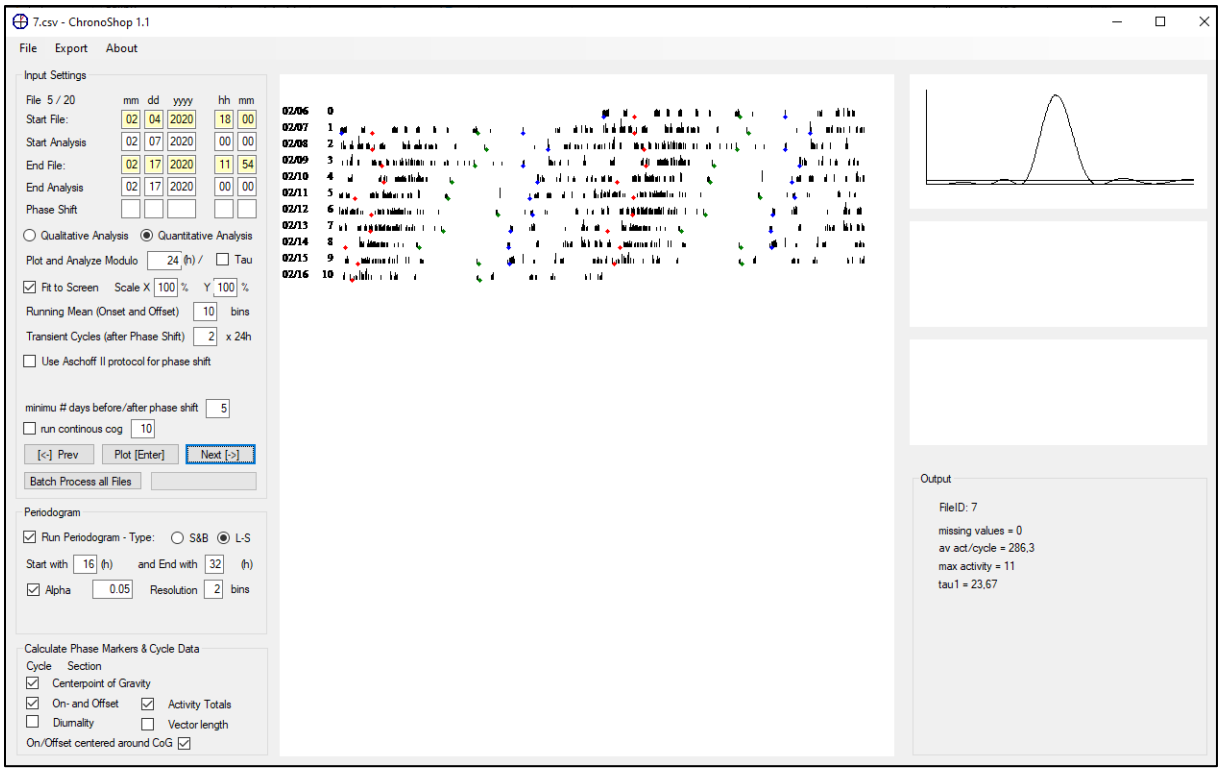


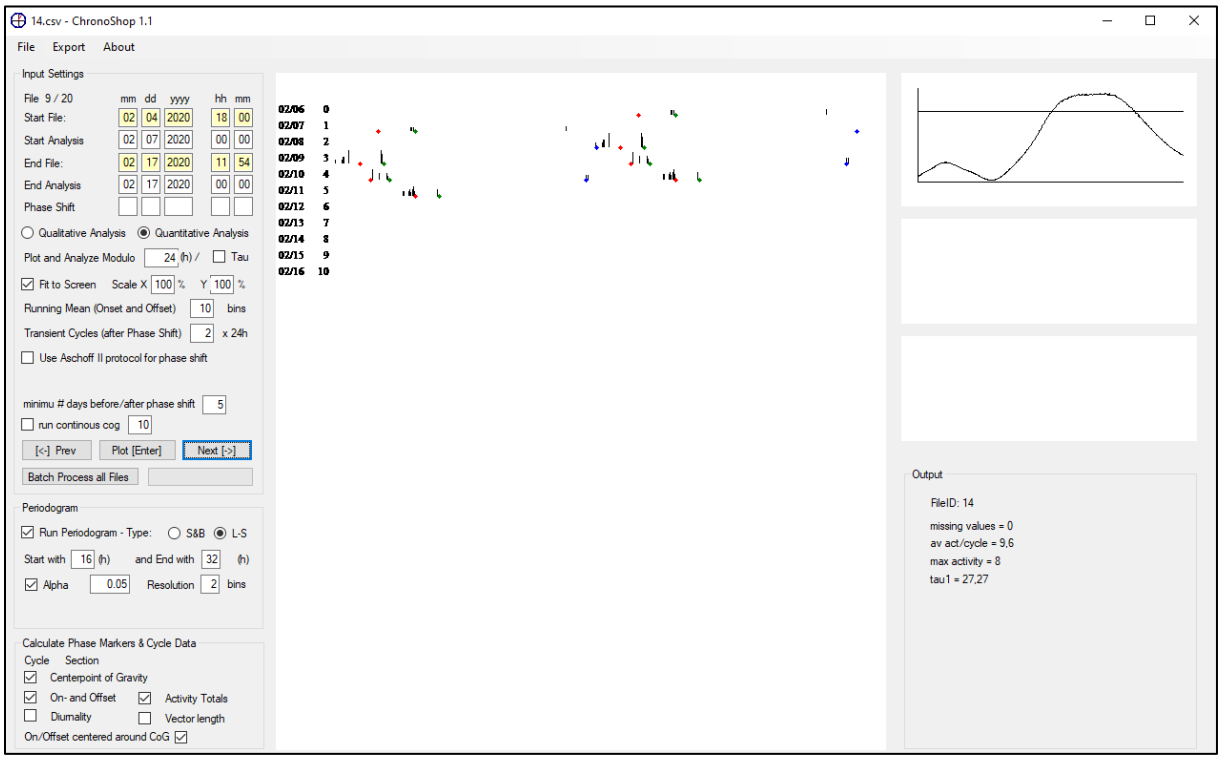

3.csv - ChronoShop 1.1
File Export About
Input Settings
File 2 / 20
mm dd yyyy hh mm
Start File: 02 04 2020 18 00
Start Analysis 02 07 2020 00 00
End File: 02 17 2020 11 54
End Analysis 02 15 2020 00 00
Phase Shift
Qualitative Analysis
Quantitative Analysis
Plot and Analyze Modulo 24 (h) /
Tau
Fit to 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
02/06 0
02/07 1
02/08 2
02/09 3
02/10 4
02/11 5
02/12 6
02/13 7
02/14 8
Output
FileID: 3
missing values = 0
av act/cycle = 110,6
max activity = 15
tau1 = 23,37

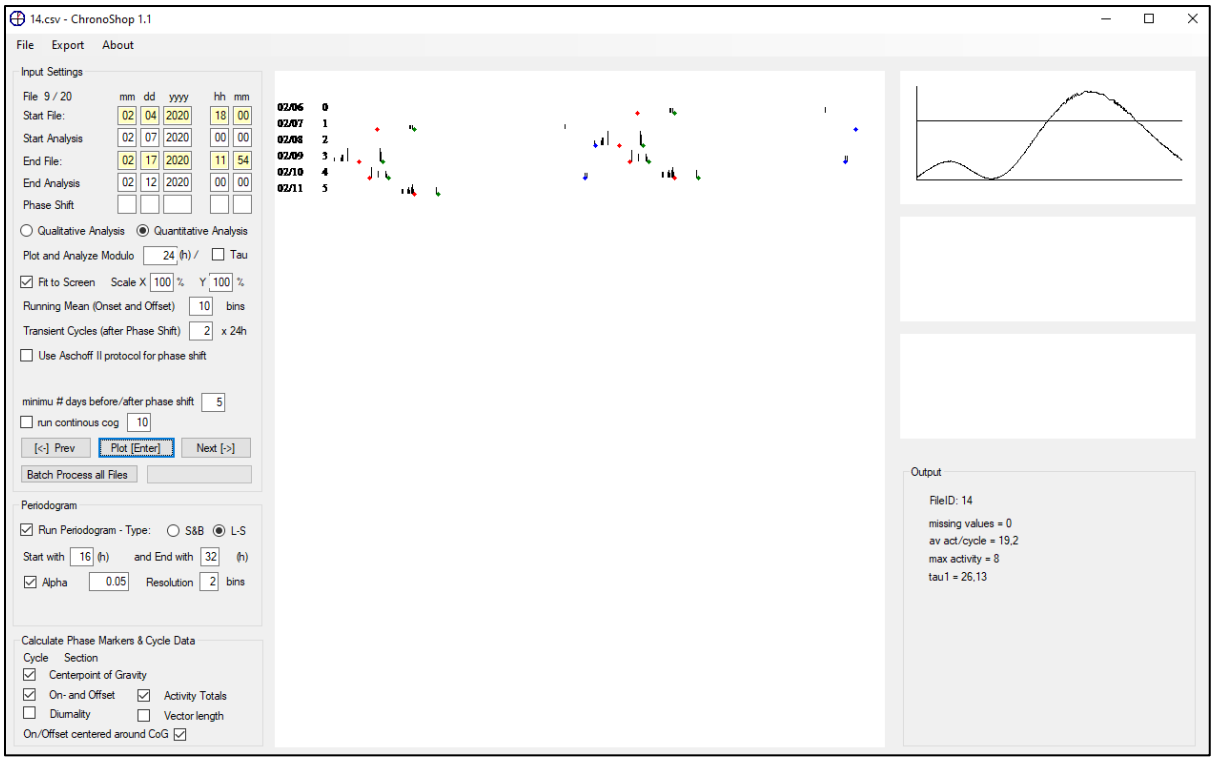

4.csv - ChronoShop 1.1
File Export About
Input Settings
File 3 / 20
mm dd yyyy hh mm
Start File: 02 04 2020 18 00
Start Analysis 02 07 2020 00 00
End File: 02 17 2020 11 54
End Analysis 02 17 2020 00 00
Phase Shift
Qualitative Analysis
Quantitative Analysis
Plot and Analyze Modulo 24 (h) /
Tau
Fit to 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
02/06 0
02/07 1
02/08 2
02/09 3
02/10 4
02/11 5
02/12 6
02/13 7
02/14 8
02/15 9
02/16 10
Output
FileID: 4
missing values = 0
av act/cycle = 65,2
max activity = 14
tau1 = 22,43

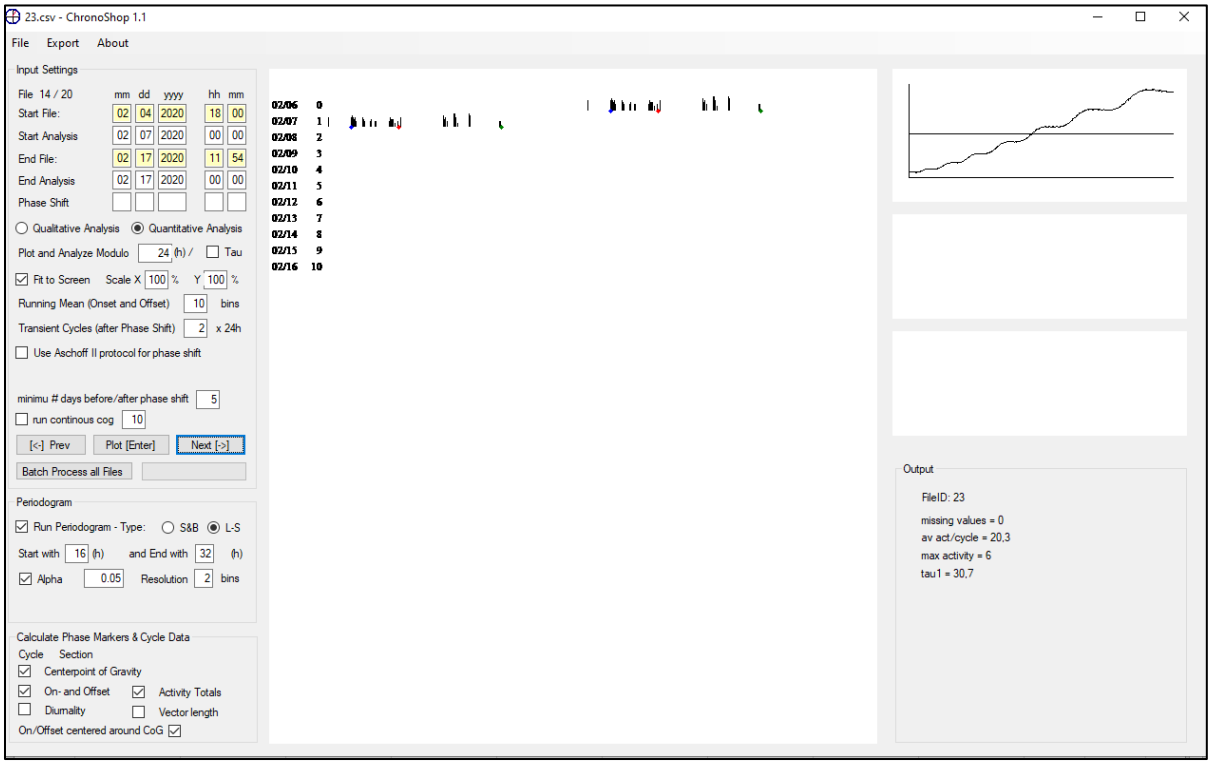

4.csv - ChronoShop 1.1
File Export About
Input Settings
File 3 / 20
mm dd yyyy hh mm
Start File: 02 04 2020 18 00
Start Analysis 02 07 2020 00 00
End File: 02 17 2020 11 54
End Analysis 02 15 2020 00 00
Phase Shift
Qualitative Analysis
Quantitative Analysis
Plot and Analyze Modulo 24 (h) /
Tau
Fit to 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
02/06 0
02/07 1
02/08 2
02/09 3
02/10 4
02/11 5
02/12 6
02/13 7
02/14 8
Output
FileID: 4
missing values = 0
av act/cycle = 81,5
max activity = 14
tau1 = 22,33

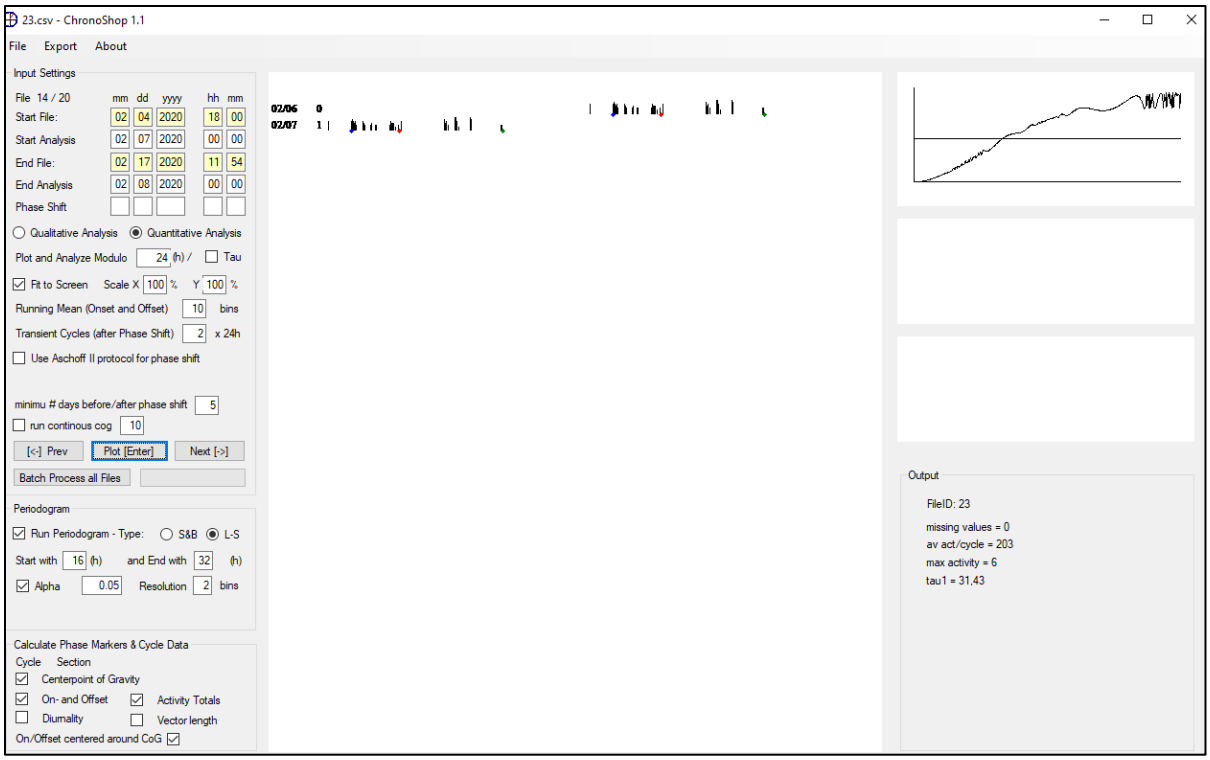

5.csv - ChronoShop 1.1
File Export About
Input Settings
File 4 / 20
mm dd yyyy hh mm
Start File: 02 04 2020 18 00
Start Analysis 02 07 2020 00 00
End File: 02 17 2020 11 54
End Analysis 02 17 2020 00 00
Phase Shift
Qualitative Analysis
Quantitative Analysis
Plot and Analyze Modulo 24 (h) /
Tau
Fit to 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
02/06 0
02/07 1
02/08 2
02/09 3
02/10 4
02/11 5
02/12 6
02/13 7
02/14 8
02/15 9
02/16 10
Output
FileID: 5
missing values = 0
av act/cycle = 278,5
max activity = 17
tau1 = 23,5

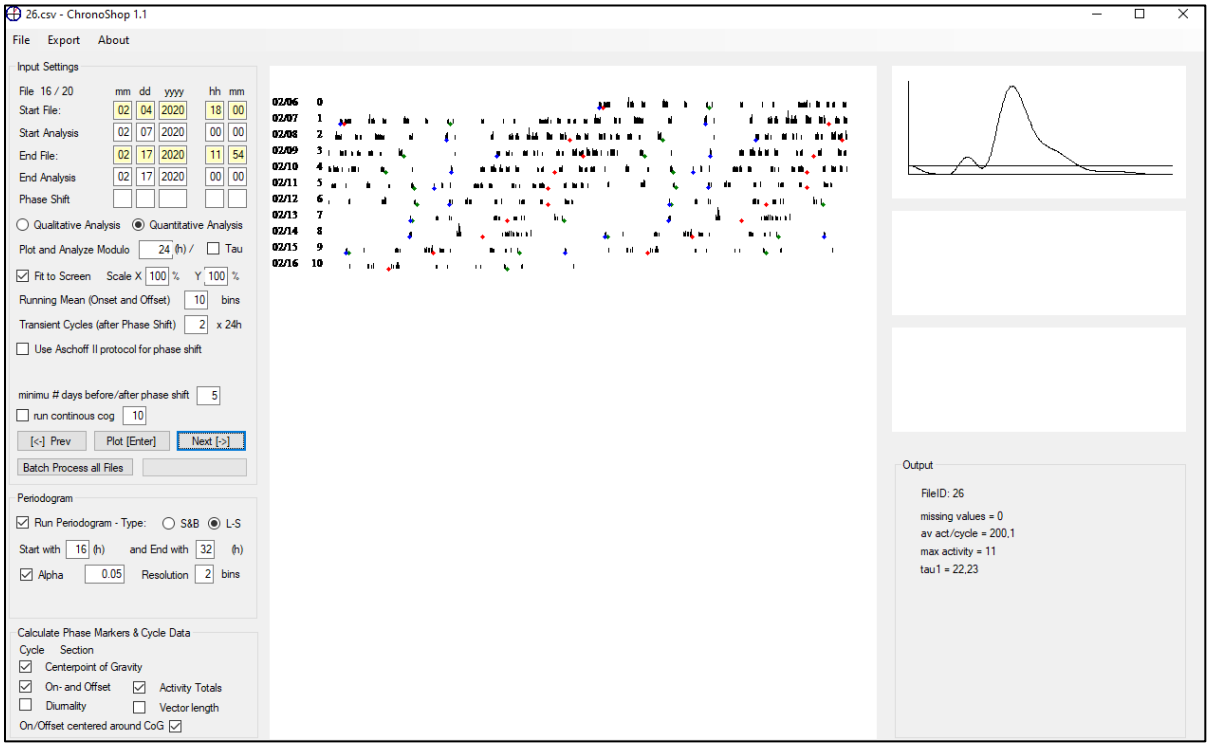

7.csv - ChronoShop 1.1
File Export About
Input Settings
File 5 / 20
mm dd yyyy hh mm
Start File: 02 04 2020 18 00
Start Analysis 02 07 2020 00 00
End File: 02 17 2020 11 54
End Analysis 02 17 2020 00 00
Phase Shift
Qualitative Analysis
Quantitative Analysis
Plot and Analyze Modulo 24 (h) / Tau
Fit to 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
02/06 0
02/07 1
02/08 2
02/09 3
02/10 4
02/11 5
02/12 6
02/13 7
02/14 8
02/15 9
02/16 10
Output
FileID: 7
missing values = 0
av act/cycle = 286,3
max activity = 11
tau1 = 23,67

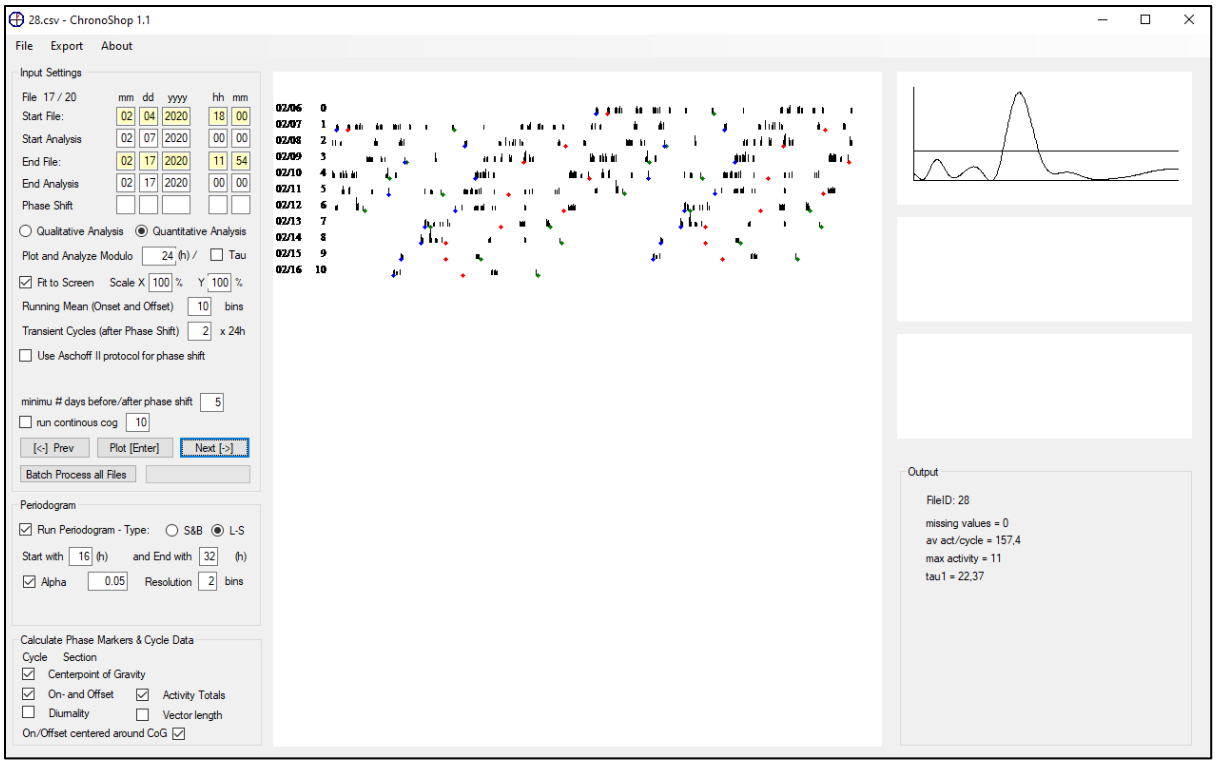

14.csv - ChronoShop 1.1
File Export About
Input Settings
File 9 / 20
mm dd yyyy hh mm
Start File: 02 04 2020 18 00
Start Analysis 02 07 2020 00 00
End File: 02 17 2020 11 54
End Analysis 02 17 2020 00 00
Phase Shift
Qualitative Analysis
Quantitative Analysis
Plot and Analyze Modulo 24 (h) / Tau
Fit to 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
02/06 0
02/07 1
02/08 2
02/09 3
02/10 4
02/11 5
02/12 6
02/13 7
02/14 8
02/15 9
02/16 10
Output
FileID: 14
missing values = 0
av act/cycle = 9,6
max activity = 8
tau1 = 27,27

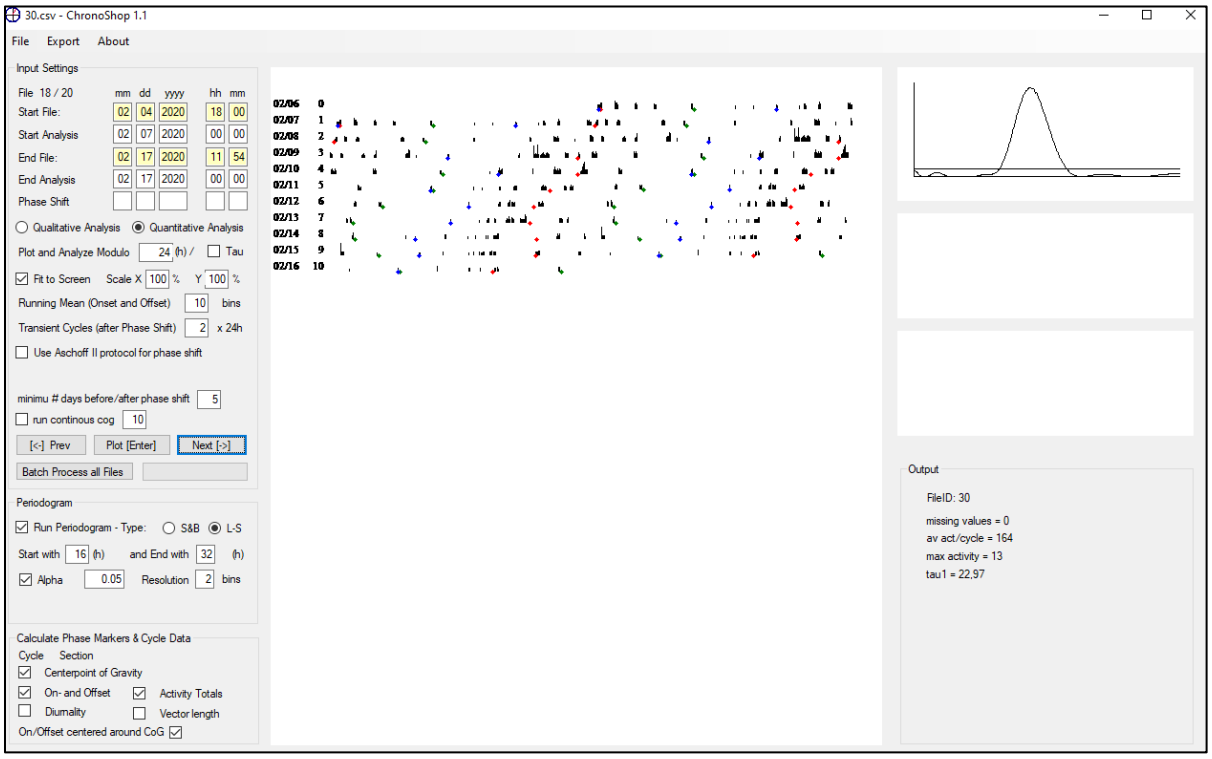

14.csv - ChronoShop 1.1
File Export About
Input Settings
File 9 / 20 mm dd yyyy hh mm
Start File: 02 04 2020 18 00
Start Analysis 02 07 2020 00 00
End File: 02 17 2020 11 54
End Analysis 02 12 2020 00 00
Phase Shift
Qualitative Analysis Quantitative Analysis
Plot and Analyze Modulo 24 (h) / Tau
Fit to 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
02/06 0
02/07 1
02/08 2
02/09 3
02/10 4
02/11 5
Output
FileID: 14
missing values = 0
av act/cycle = 19,2
max activity = 8
tau1 = 26,13


23.csv - ChronoShop 1.1
File Export About
Input Settings
File 14 / 20 mm dd yyyy hh mm
Start File: 02 04 2020 18 00
Start Analysis 02 07 2020 00 00
End File: 02 17 2020 11 54
End Analysis 02 17 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
02/06 0
02/07 1
02/08 2
02/09 3
02/10 4
02/11 5
02/12 6
02/13 7
02/14 8
02/15 9
02/16 10
Output
FileID: 23
missing values = 0
av act/cycle = 20,3
max activity = 6
tau1 = 30,7


23.csv - ChronoShop 1.1
File Export About
Input Settings
File 14 / 20 mm dd yyyy hh mm
Start File: 02 04 2020 18 00
Start Analysis 02 07 2020 00 00
End File: 02 17 2020 11 54
End Analysis 02 08 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
Diumality Vector length
On/Offset centered around CoG
02/06 0
02/07 1
Output
FileID: 23
missing values = 0
av act/cycle = 203
max activity = 6
tau1 = 31,43


26.csv - ChronoShop 1.1
File Export About
Input Settings
File 16 / 20 mm dd yyyy hh mm
Start File: 02 04 2020 18 00
Start Analysis 02 07 2020 00 00
End File: 02 17 2020 11 54
End Analysis 02 17 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
Diumality Vector length
On/Offset centered around CoG
02/06 0
02/07 1
02/08 2
02/09 3
02/10 4
02/11 5
02/12 6
02/13 7
02/14 8
02/15 9
02/16 10
Output
FileID: 26
missing values = 0
av act/cycle = 200,1
max activity = 11
tau1 = 22,23


28.csv - ChronoShop 1.1
File Export About
Input Settings
File 17 / 20
mm dd yyyy hh mm
Start File: 02 04 2020 18 00
Start Analysis 02 07 2020 00 00
End File: 02 17 2020 11 54
End Analysis 02 17 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
02/06 0
02/07 1
02/08 2
02/09 3
02/10 4
02/11 5
02/12 6
02/13 7
02/14 8
02/15 9
02/16 10
Output
FileID: 28
missing values = 0
av act/cycle = 157,4
max activity = 11
tau1 = 22,37


30.csv - ChronoShop 1.1
File Export About
Input Settings
File 18 / 20
mm dd yyyy hh mm
Start File: 02 04 2020 18 00
Start Analysis 02 07 2020 00 00
End File: 02 17 2020 11 54
End Analysis 02 17 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
02/06 0
02/07 1
02/08 2
02/09 3
02/10 4
02/11 5
02/12 6
02/13 7
02/14 8
02/15 9
02/16 10
Output
FileID: 30
missing values = 0
av act/cycle = 164
max activity = 13
tau1 = 22,97