

Resource Summary Report

Generated by PRECISE-TBI on Jul 31, 2026

Clocklab

RRID:SCR_014309

Type: Tool

Proper Citation

Clocklab (RRID:SCR_014309)

Resource Information

URL: <http://actimetrics.com/products/clocklab/>

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Description: Point and click program used to quickly analyse circadian activity data using algorithms and embedded controls to make every graph interactive and useful for data analysis. The analysis program has been used for a variety of species including mice, hamsters, rats, sheep, Drosophila, and humans. This program has three separate applications: one for data collection, one for analysis, and a chamber control program.

Resource Type: data processing software, data analysis software, software resource, standalone software, software application, data acquisition software

Keywords: circadian activity data, interactive, data analysis software, data acquisition software, standalone software

Availability: Pay for product, Users can order different components of ClockLab separately

Resource Name: Clocklab

Resource ID: SCR_014309

Record Creation Time: 20220129T080320+0000

Record Last Update: 20260731T042915+0000

Ratings and Alerts

No rating or validation information has been found for Clocklab.

No alerts have been found for Clocklab.

Data and Source Information

Usage and Citation Metrics

We found 546 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Brenna A, et al. (2025) Cyclin-dependent kinase 5 (Cdk5) activity is modulated by light and gates rapid phase shifts of the circadian clock. *eLife*, 13.

Korkmaz H, et al. (2025) Loss of Bmal1 impairs the glutamatergic light input to the SCN in mice. *Frontiers in cellular neuroscience*, 19, 1538985.

Liao M, et al. (2025) The P-loop NTPase RUVBL2 is a conserved clock component across eukaryotes. *Nature*, 642(8066), 165.

Ismaeel A, et al. (2025) microRNA-1 regulates metabolic flexibility by programming adult skeletal muscle pyruvate metabolism. *Molecular metabolism*, 98, 102182.

Scholz-Carlson E, et al. (2025) Synaptic Targets of Circadian Clock Neurons Influence Core Clock Parameters. *bioRxiv : the preprint server for biology*.

Bafna A, et al. (2025) Zinc finger homeobox-3 (ZFHX3) orchestrates genome-wide daily gene expression in the suprachiasmatic nucleus. *eLife*, 14.

Goto M, et al. (2025) Circadian sleep-wake rhythm reversal in mice implanted with stomach cancer cell lines. *The journal of physiological sciences : JPS*, 75(1), 100007.

Halley NR, et al. (2025) Circadian timing and entrainment properties of the SCN pacemaker in the PS19 mouse model of tau pathology. *bioRxiv : the preprint server for biology*.

Villanueva SAMB, et al. (2025) Dissociating the Effects of Light at Night from Circadian Misalignment in a Neurodevelopmental Disorder Mouse Model Using Ultradian Light-Dark Cycles. *Clocks & sleep*, 7(3).

Yamaguchi Y, et al. (2025) Somatostatin regulates the clock sensitivity to evening light. *Scientific reports*, 15(1), 42664.

Velazquez A, et al. (2025) The Drosophila SIFamide Receptor Regulates Sleep and Feeding in a Time-Of-Day Specific Manner. *Genes, brain, and behavior*, 24(6), e70043.

Chen Q, et al. (2025) Sequestration of clock proteins into repressive nuclear condensates orchestrates circadian gene repression. *bioRxiv : the preprint server for biology*.

Ehichioya DE, et al. (2025) Multiple oscillators underlie circadian food anticipation in mice. *Neurobiology of sleep and circadian rhythms*, 18, 100116.

Yin X, et al. (2025) Calcineurin governs baseline and homeostatic regulations of non-rapid eye movement sleep in mice. *Proceedings of the National Academy of Sciences of the*

United States of America, 122(4), e2418317122.

Kreitlow BL, et al. (2025) Seizure-related death exhibits a circadian rhythm independent of seizure timing or sleep in a mouse model of Dravet syndrome. *The Journal of physiology*, 603(12), 3571.

Iyer AR, et al. (2025) Circadian rhythms are more resilient to pacemaker neuron disruption in female *Drosophila*. *PLoS biology*, 23(5), e3003146.

Abou Daya F, et al. (2025) Identifying links between cardiovascular disease and insomnia by modeling genes from a pleiotropic locus. *Disease models & mechanisms*, 18(5).

Bouteldja AA, et al. (2025) Early-Life Ventral Hippocampal Lesion and Circadian Disruption Result in Altered Behavior in Adult Mice in a Sex-Dependent Manner. *The European journal of neuroscience*, 61(9), e70134.

Burek DJ, et al. (2025) Inflammatory pain in mice induces light cycle-dependent effects on sleep architecture. *Neuropsychopharmacology : official publication of the American College of Neuropsychopharmacology*, 50(10), 1595.

Scholz-Carlson E, et al. (2025) Synaptic targets of circadian clock neurons influence core clock parameters. *Science advances*, 11(36), eadw4666.