

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 8, 2026

## CloudVolume

RRID:SCR\_022820

Type: Tool

### Proper Citation

CloudVolume (RRID:SCR\_022820)

### Resource Information

**URL:** <https://github.com/seung-lab/cloud-volume>

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**Description:** Software Python package for reading and writing of image data in Neuroglancer precomputed format. Used to read and write Neuroglancer datasets programmatically.

**Resource Type:** software resource, software toolkit

**Keywords:** reading and writing of image data, neuroglancer precomputed format

**Availability:** Free, Available for download, Freely available

**Resource Name:** CloudVolume

**Resource ID:** SCR\_022820

**Record Creation Time:** 20221005T050138+0000

**Record Last Update:** 20260905T133312+0000

### Ratings and Alerts

No rating or validation information has been found for CloudVolume.

No alerts have been found for CloudVolume.

### Data and Source Information

**Source:** [SciCrunch Registry](#)

### Usage and Citation Metrics

We found 11 mentions in open access literature.

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

, et al. (2025) Functional connectomics spanning multiple areas of mouse visual cortex. Nature, 640(8058), 435.

Zheng Z, et al. (2025) Connectomic reconstruction from hippocampal CA3 reveals spatially graded mossy fiber inputs and selective feedforward inhibition to pyramidal cells. bioRxiv : the preprint server for biology.

Zimmerman CA, et al. (2025) A neural mechanism for learning from delayed postingestive feedback. Nature, 642(8068), 700.

Zimmerman CA, et al. (2024) A neural mechanism for learning from delayed postingestive feedback. bioRxiv : the preprint server for biology.

Meschi E, et al. (2024) Compensatory enhancement of input maintains aversive dopaminergic reinforcement in hungry Drosophila. Neuron, 112(14), 2315.

Zheng Z, et al. (2024) Fast imaging of millimeter-scale areas with beam deflection transmission electron microscopy. Nature communications, 15(1), 6860.

Reinhard N, et al. (2024) Synaptic connectome of the Drosophila circadian clock. Nature communications, 15(1), 10392.

McKim TH, et al. (2024) Synaptic connectome of a neurosecretory network in the Drosophila brain. bioRxiv : the preprint server for biology.

Wilson A, et al. (2023) SynapseCLR: Uncovering features of synapses in primary visual cortex through contrastive representation learning. Patterns (New York, N.Y.), 4(4), 100693.

Sizemore TR, et al. (2023) Heterogeneous receptor expression underlies non-uniform peptidergic modulation of olfaction in Drosophila. Nature communications, 14(1), 5280.

Hider R, et al. (2022) The Brain Observatory Storage Service and Database (BossDB): A Cloud-Native Approach for Petascale Neuroscience Discovery. Frontiers in neuroinformatics, 16, 828787.