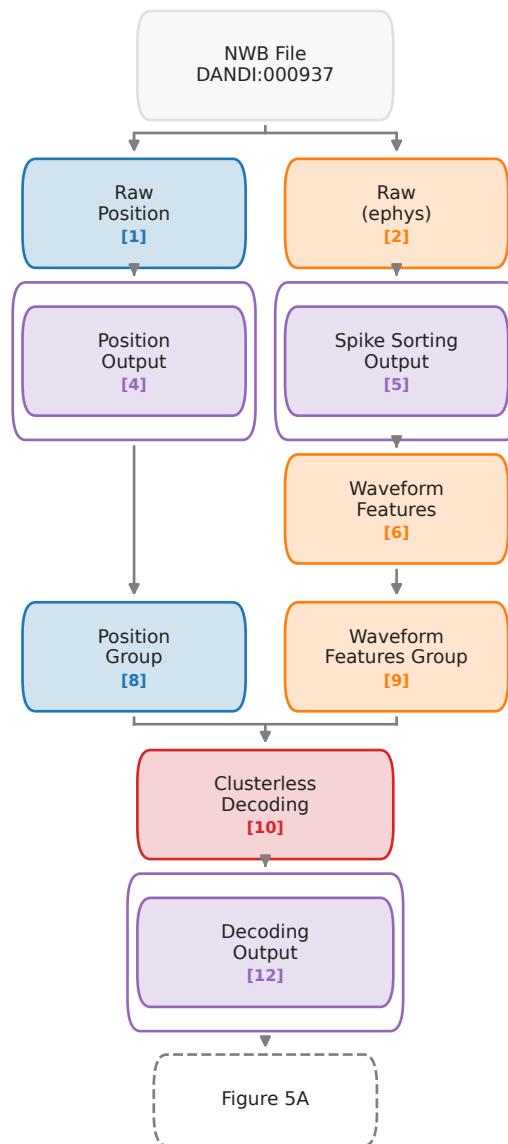


A UCSF Dataset

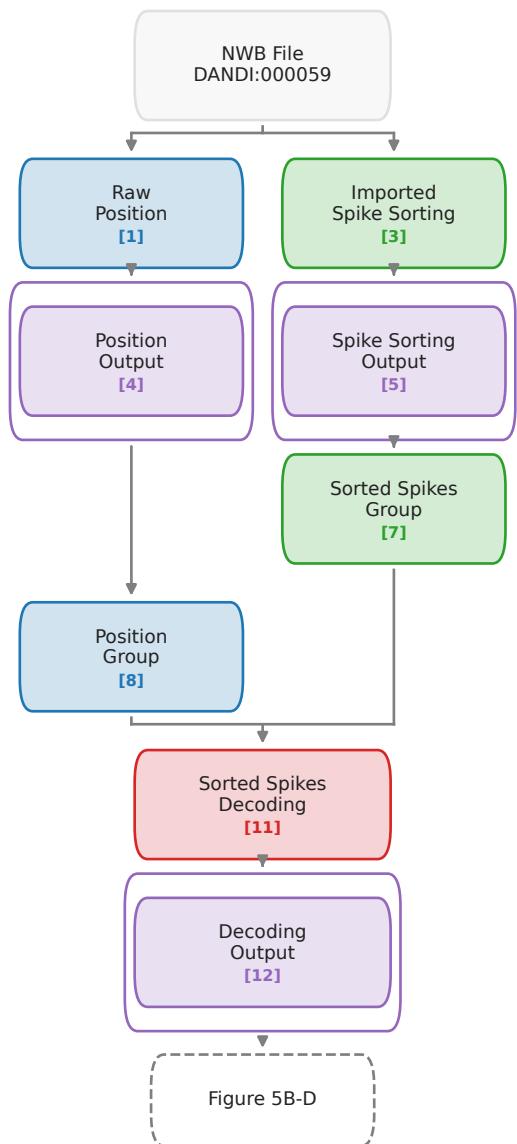
(Clusterless Decoding)



B

NYU Dataset

(Sorted Spikes Decoding)



■ Position processing ■ Neural (clusterless) ■ Neural (sorted) ■ Decoding ■ Merge table

Table Reference

Sources

- [1] TrodesPosV1 – Position processing
- [2] SpikeSortingRecording – Spike detection & sorting
- [3] ImportedSpikeSorting – Pre-sorted units from NWB

Aggregation (Merge Tables)

- [4] PositionOutput – Aggregates position sources
- [5] SpikeSortingOutput – Aggregates spike sorting sources
- [12] DecodingOutput – Aggregates decoding results

Feature Extraction & Grouping

- [6] UnitWaveformFeatures – Waveform amplitudes
- [7] SortedSpikesGroup – Group sorted units
- [8] PositionGroup – Group position data
- [9] UnitWaveformFeaturesGroup – Group waveform features

Analysis

- [10] ClusterlessDecodingV1 – Decode from waveform features
- [11] SortedSpikesDecodingV1 – Decode from sorted spikes