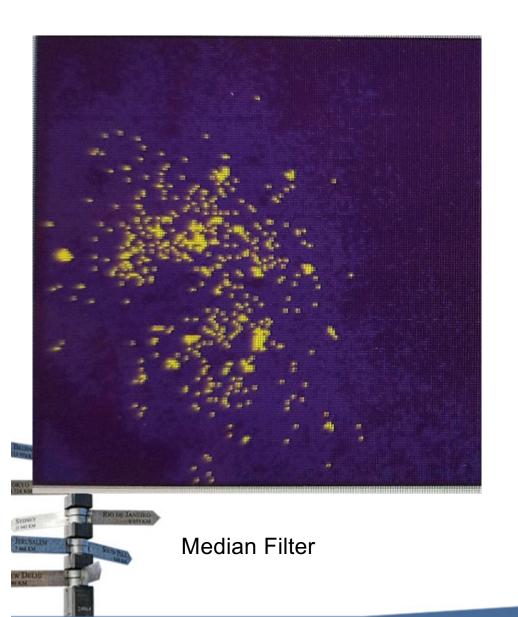
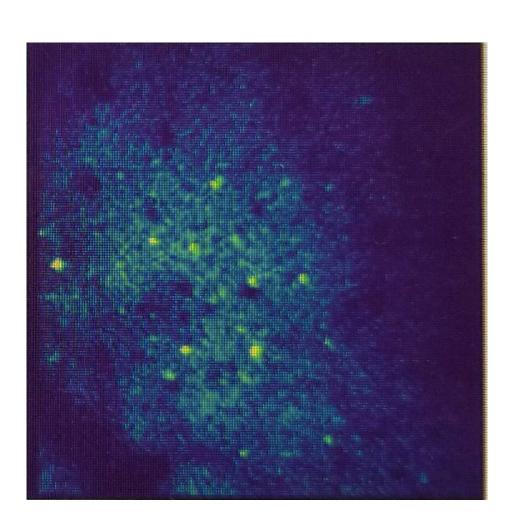
BEIJING 12 933 KM ГОКУО 4 724 KM RIO DE JANEIRO SYDNEY 6 055 KM 11 642 KM JERUSALEM. 7 468 KM SOUTH POLE EW DELHI 296 KM INHALA

Neuron Finding

Team Coombs
Anant Tripathi
Anirudh Kakarlapudi
Haxing Dai
Sushanth Kathirvelu

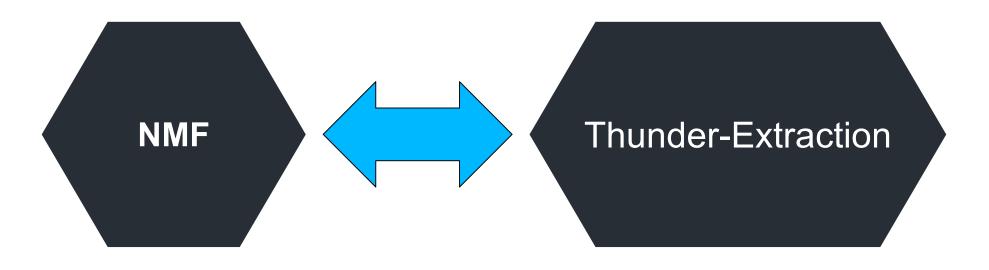
Data





Gaussian Filter

Method





NMF Flow



Use thunder library on dataset

Fit the model in our algorithm With various parameters

Transform and merge the overlapping coordinates.

NMF Flow Result

k	percentile	max_iter	overlap	score
10	98	50	0.1	3.00907
10	98	100	0.1	2.98822
10	97	50	0.1	2.96129
20	99	100	0.2	2.95583



Discussion

Threshold and Segmentation

- Thunder Extraction
- Watershed
- Gaussian filter
- Media filter
- Ostu Threshold

Models

- LSTM model, RNN deal with the sequence data.
- Convert the file to a graph.
- CNN
- UNET



