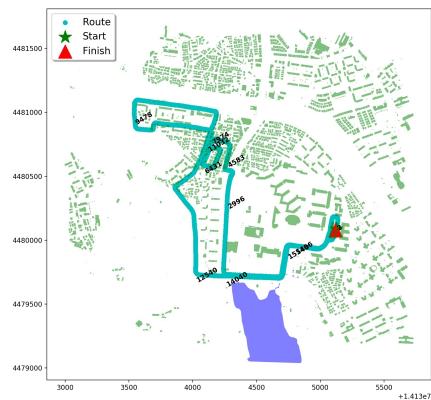


**Experiment Date: 2018-12-27T19:49:41.000000000**

**Experiment Name: 20181227\_TestA**

## Route



## Experiment

- Experiment Conditions
  - frame size : 1280x720p
  - 30 fps
  - Ite connection
  - gop : 1
  - place : Alley

- Experiment Results

## Encoding Latency

<b>camera num</b>	<b>min</b>	<b>max</b>	<b>avg</b>	<b>std</b>
All	23.00	449.00	65.44	7.07
0	28.00	180.00	65.45	6.63
1	25.00	80.00	65.37	6.63
2	25.00	433.00	65.21	7.98
3	23.00	449.00	65.38	7.85
4	23.00	247.00	65.62	6.29
5	24.00	267.00	65.64	6.70

## Network Latency

camera num	min	max	avg	std
All	55.00	2542.00	240.04	209.65
0	68.00	2497.00	242.48	216.82
1	64.00	2502.00	242.58	202.38
2	73.00	2541.00	242.39	217.34
3	64.00	2524.00	237.37	208.21
4	56.00	2519.00	239.34	213.63
5	55.00	2542.00	236.11	198.32

## Total Latency

<b>camera num</b>	<b>min</b>	<b>max</b>	<b>avg</b>	<b>std</b>
All	117.00	2608.00	305.49	207.56
0	132.00	2565.00	307.93	214.85
1	132.00	2564.00	307.95	200.05
2	136.00	2608.00	307.60	214.88
3	132.00	2594.00	302.76	206.03
4	121.00	2583.00	304.97	211.84
5	117.00	2606.00	301.76	196.56

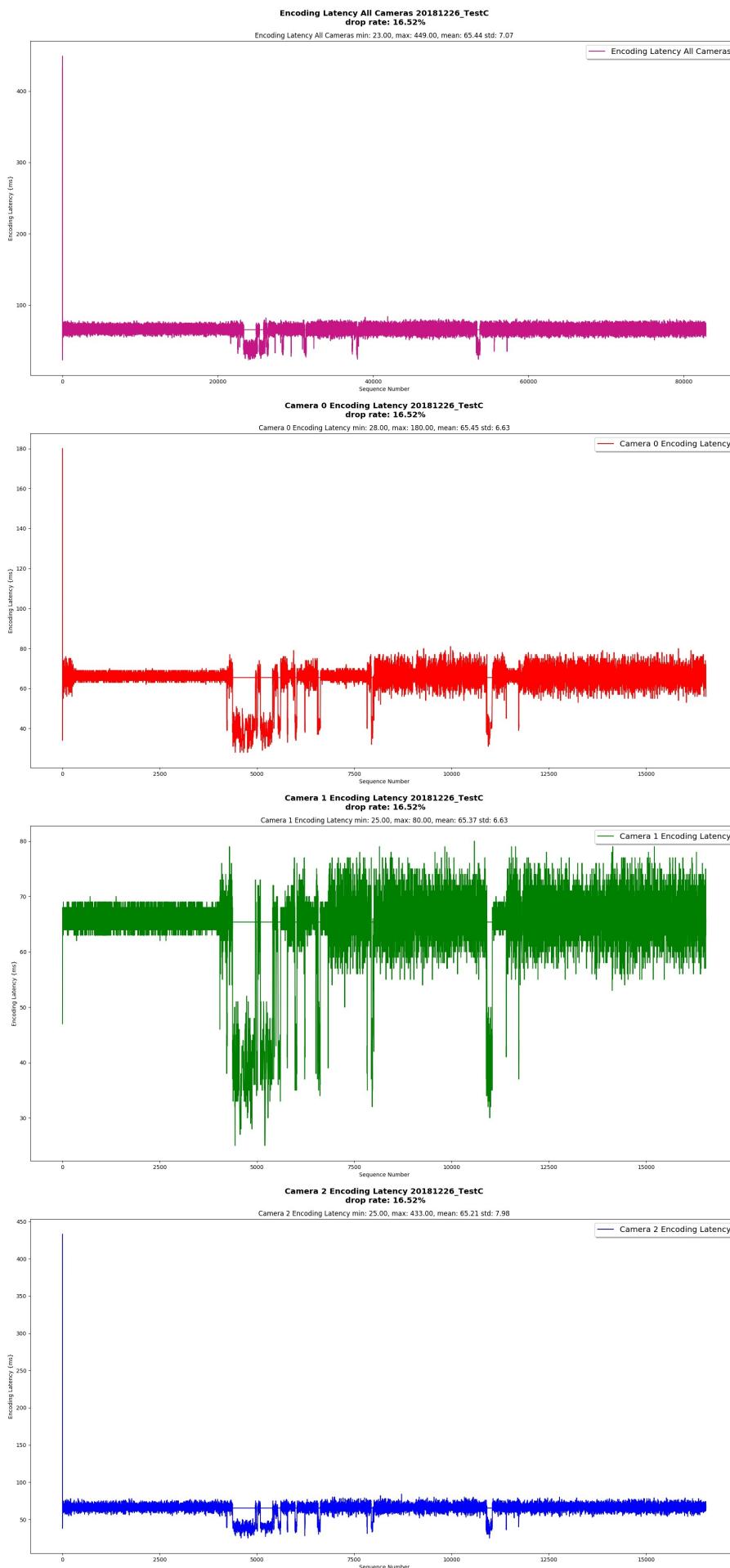
## Offset GPS Streamer

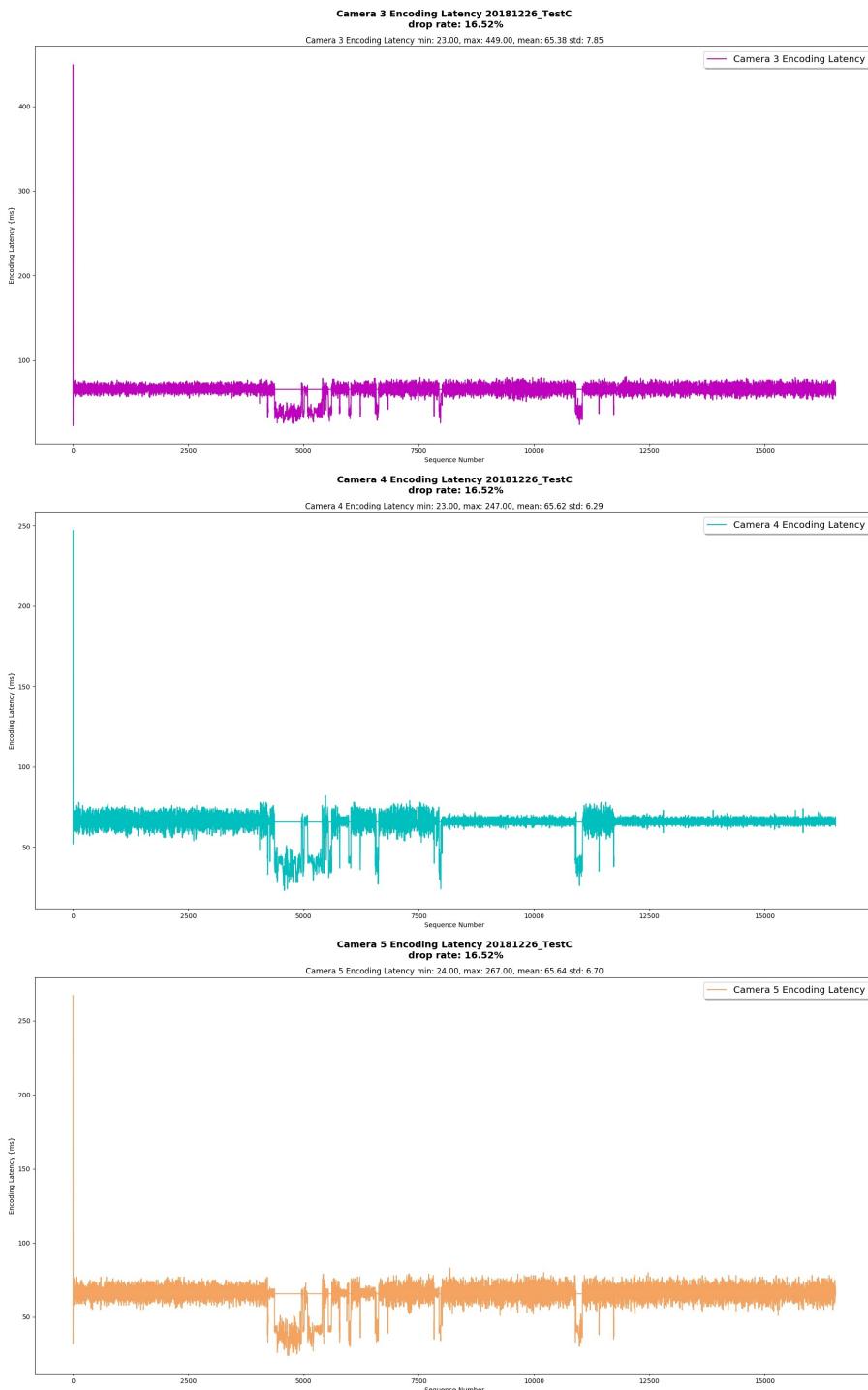
camera num	min	max	avg	std
All	-1057.00	-1036.00	-1047.38	5.61
0	-1057.00	-1037.00	-1047.59	5.61
1	-1057.00	-1037.00	-1047.45	5.61
2	-1057.00	-1037.00	-1047.34	5.62
3	-1057.00	-1036.00	-1047.37	5.61
4	-1057.00	-1037.00	-1047.19	5.56
5	-1057.00	-1037.00	-1047.37	5.62

## Offset GPS Player

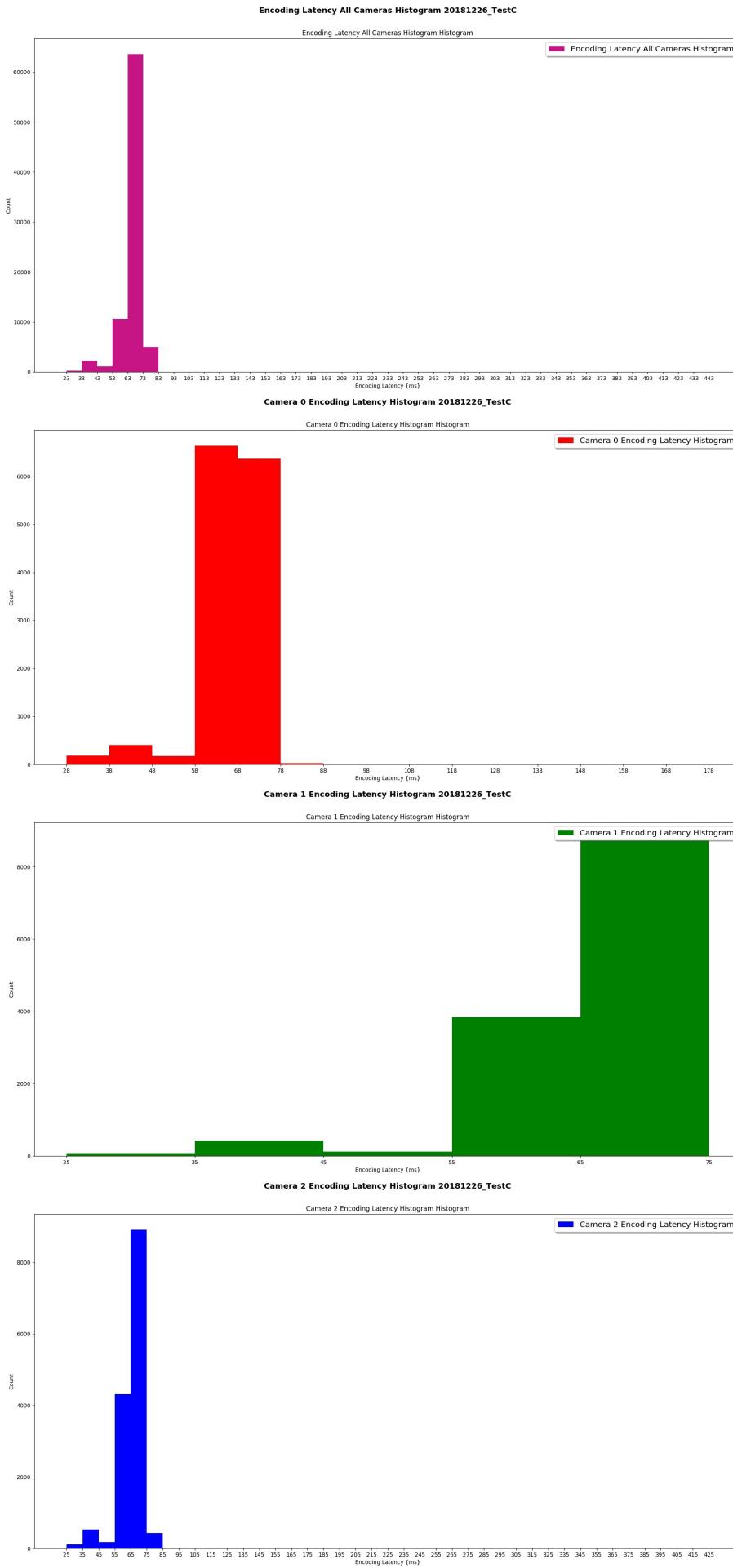
camera num	min	max	avg	std
All	-34.00	-20.00	-26.79	4.00
0	-34.00	-20.00	-26.62	3.96
1	-34.00	-20.00	-26.72	3.97
2	-34.00	-20.00	-26.82	4.00
3	-34.00	-20.00	-26.80	4.01
4	-34.00	-20.00	-26.94	4.00
5	-34.00	-20.00	-26.82	4.02

# Encoding Latency

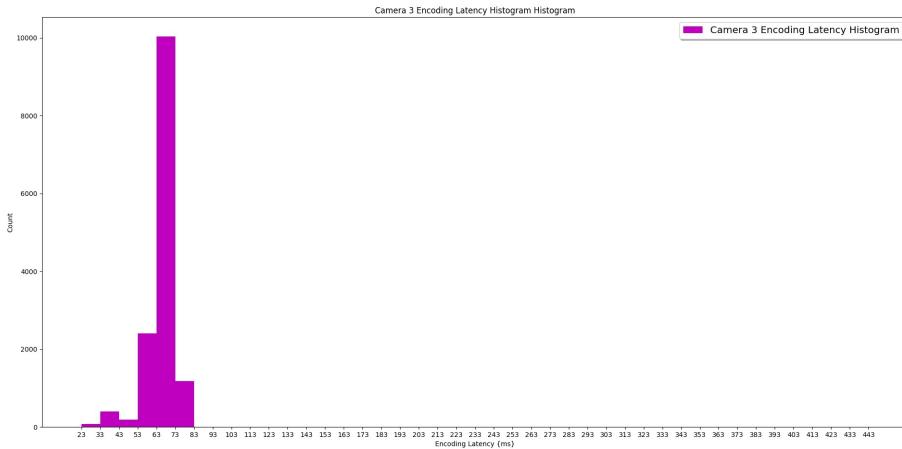




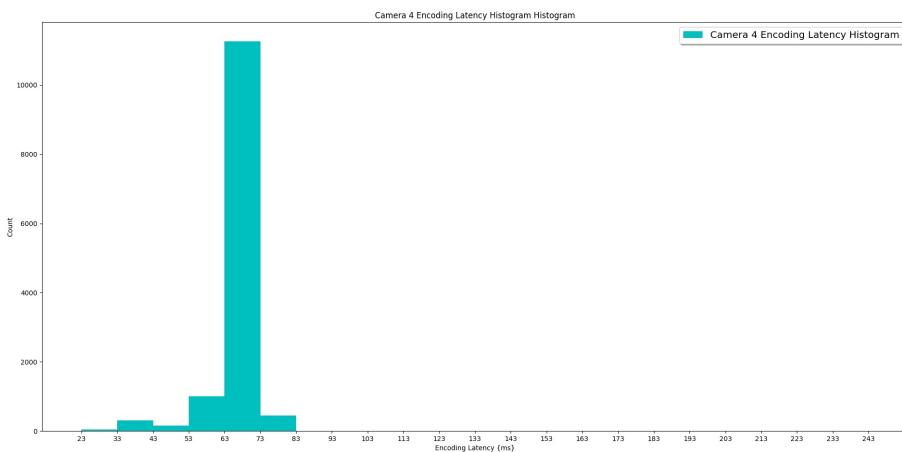
# Encoding Latency Histograms



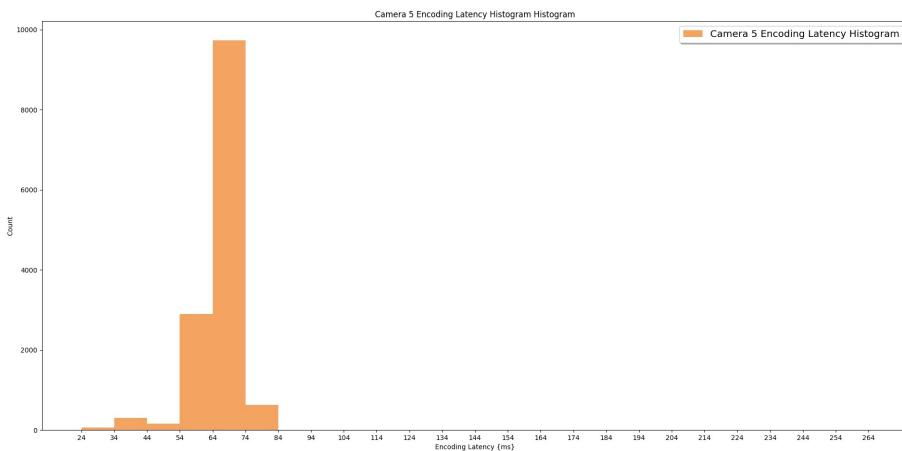
**Camera 3 Encoding Latency Histogram 20181226\_TestC**



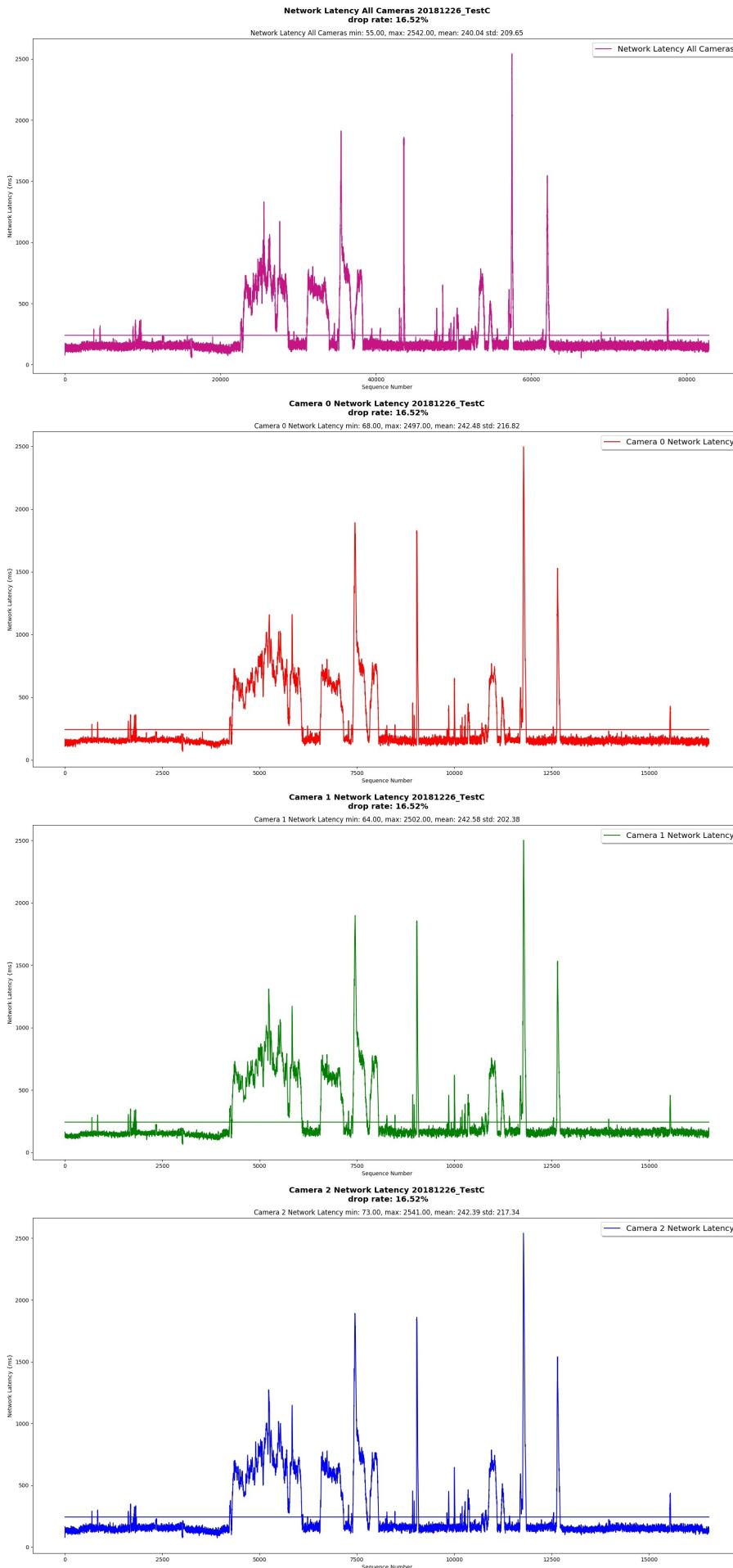
**Camera 4 Encoding Latency Histogram 20181226\_TestC**

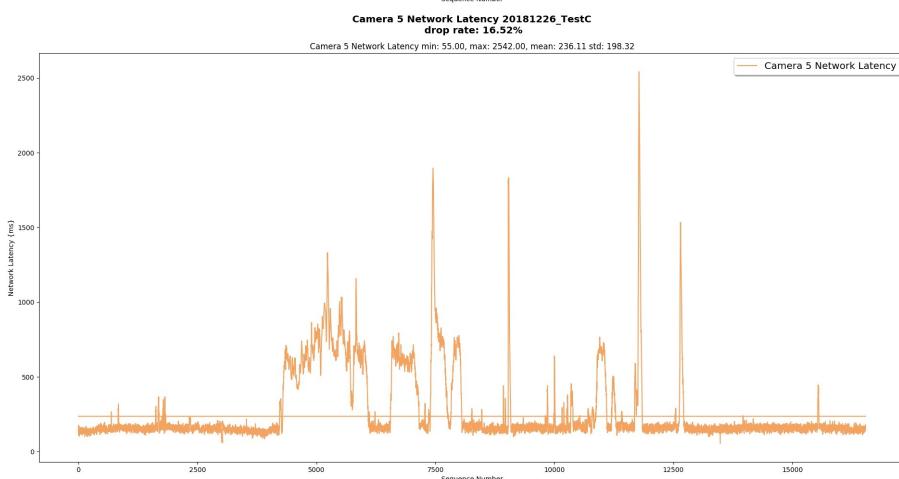
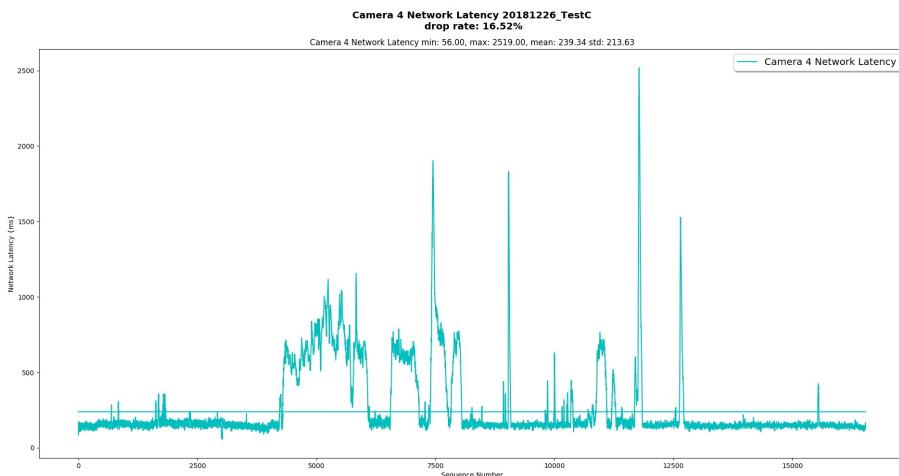
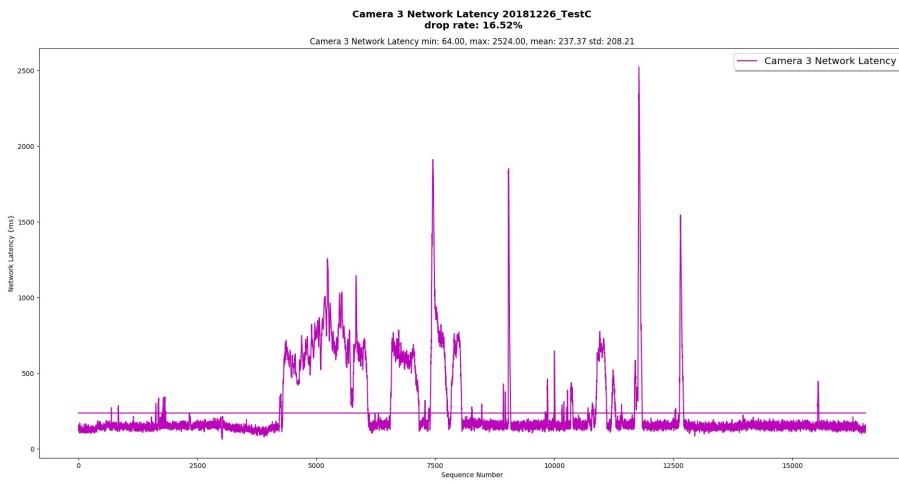


**Camera 5 Encoding Latency Histogram 20181226\_TestC**

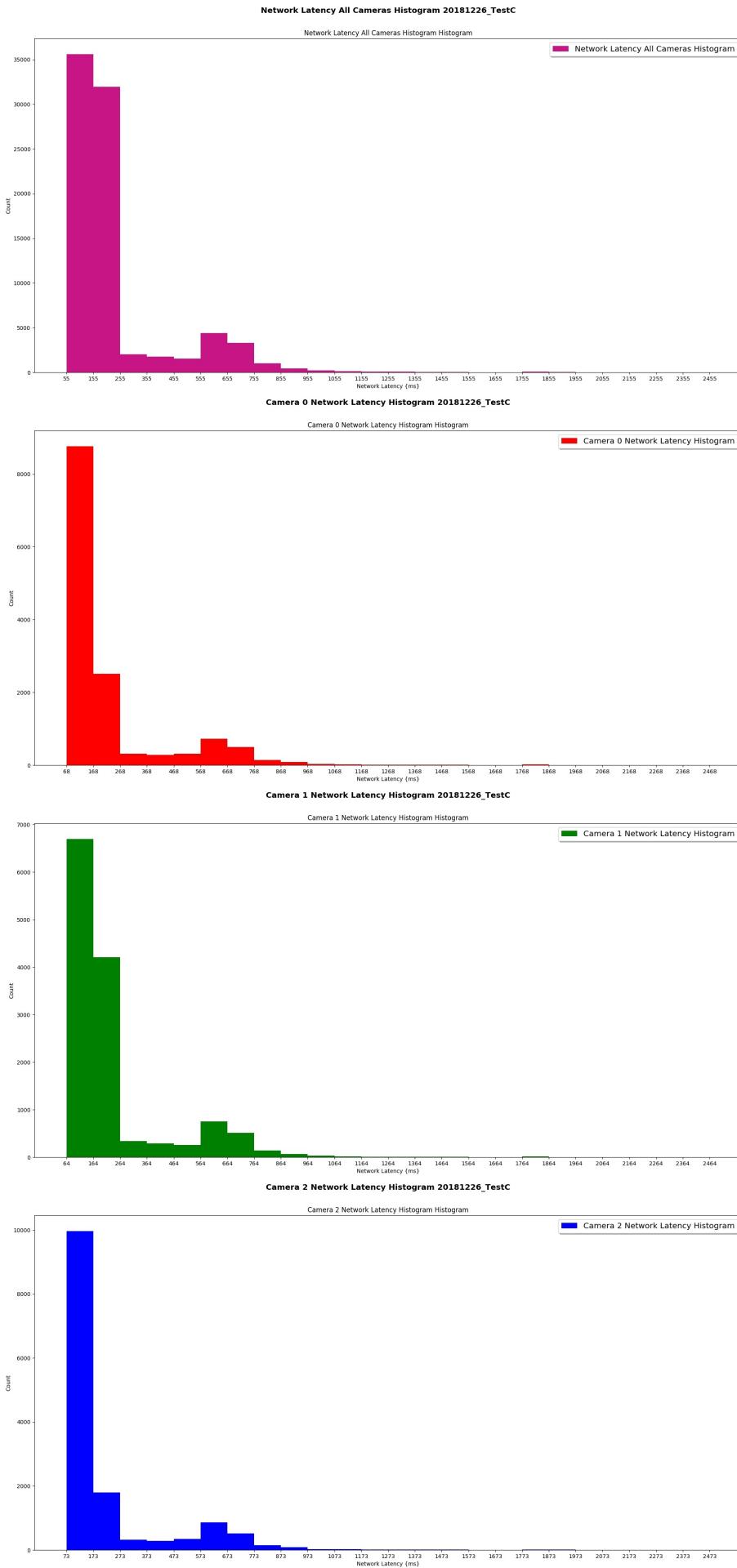


# Network Latency

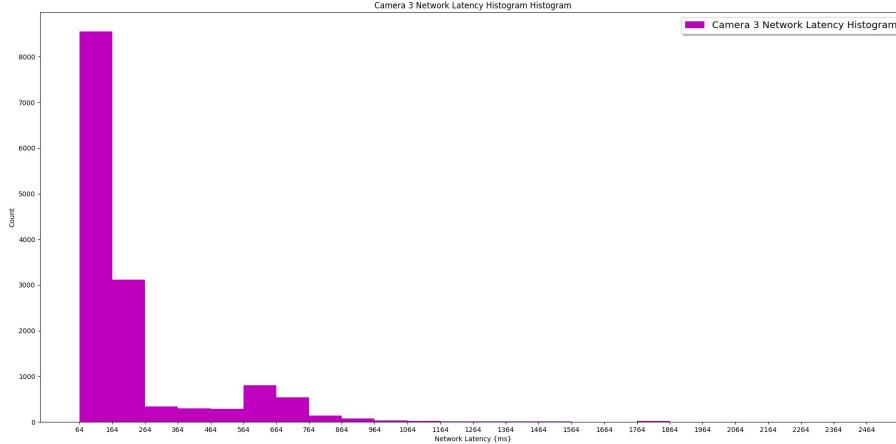




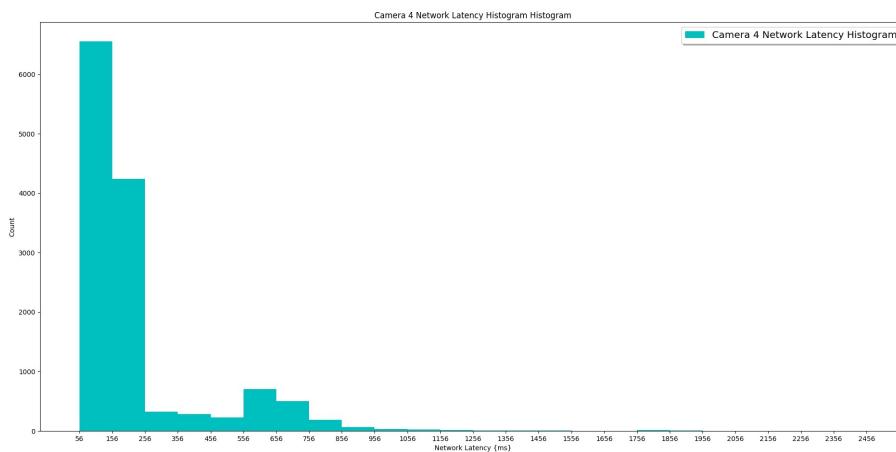
# Network Latency Histogram



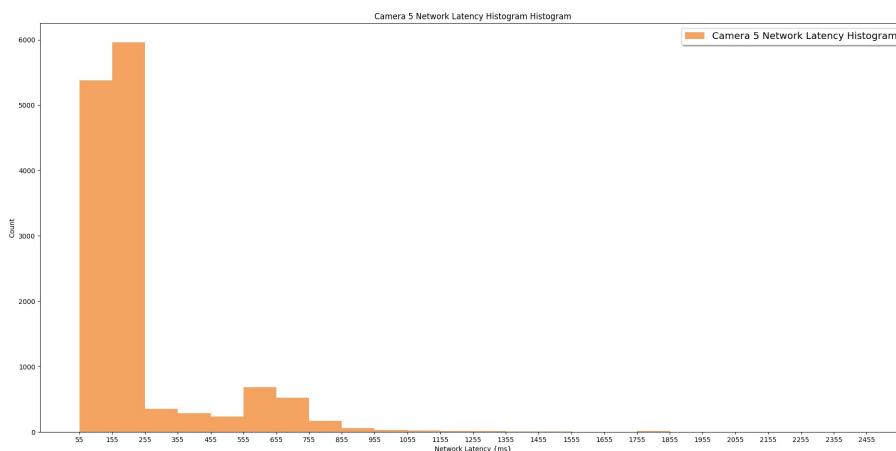
**Camera 3 Network Latency Histogram 20181226\_TestC**



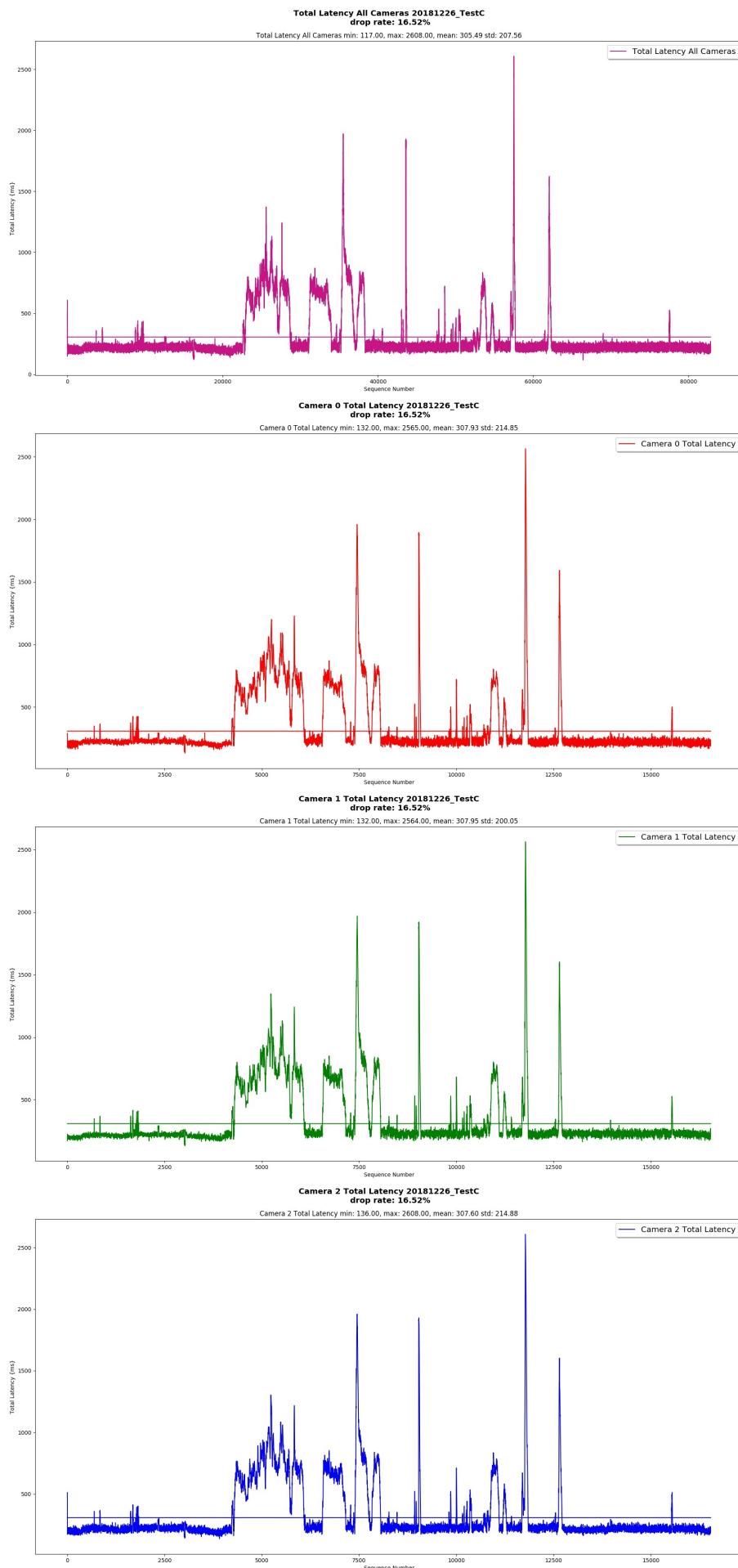
**Camera 4 Network Latency Histogram 20181226\_TestC**

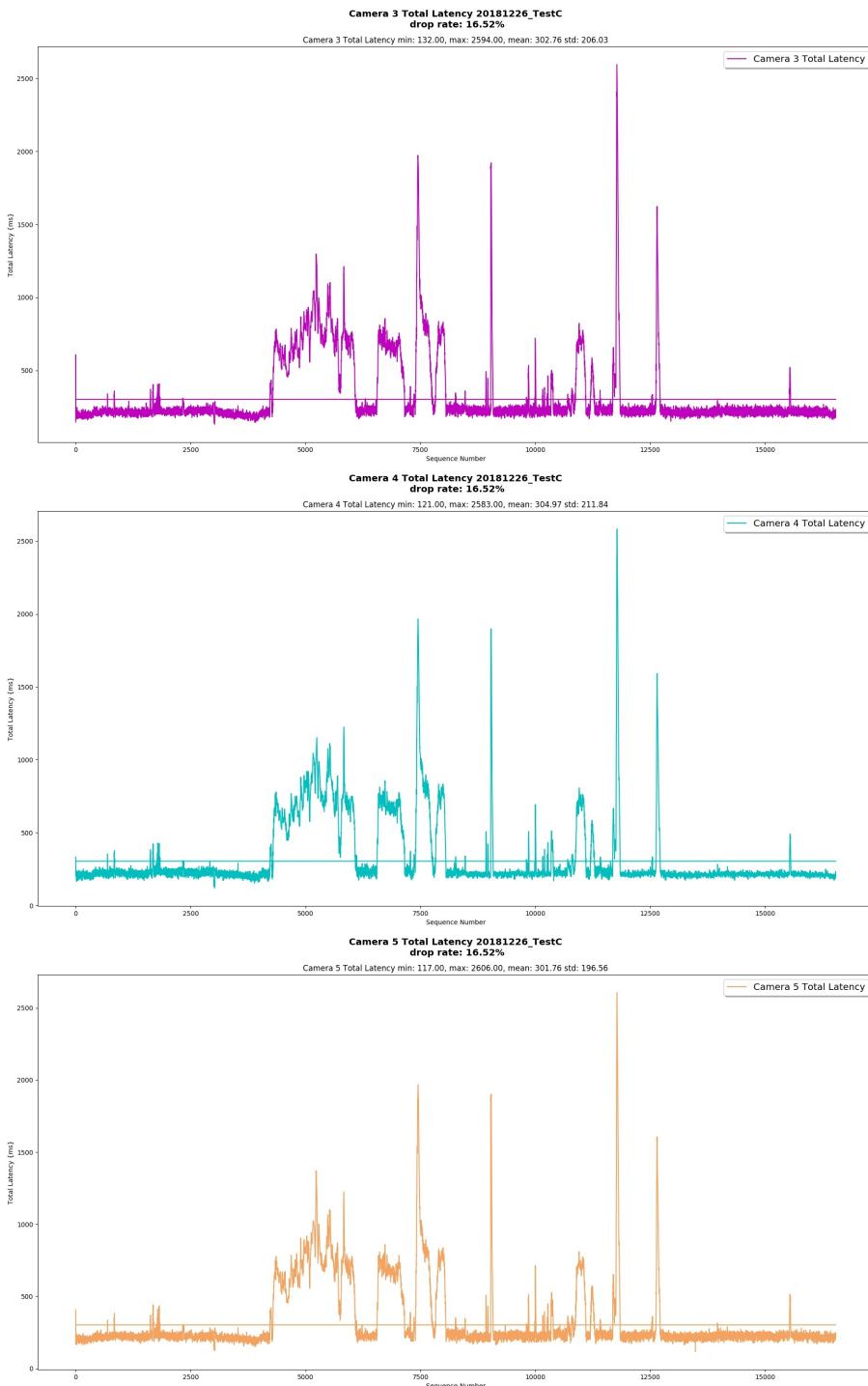


**Camera 5 Network Latency Histogram 20181226\_TestC**

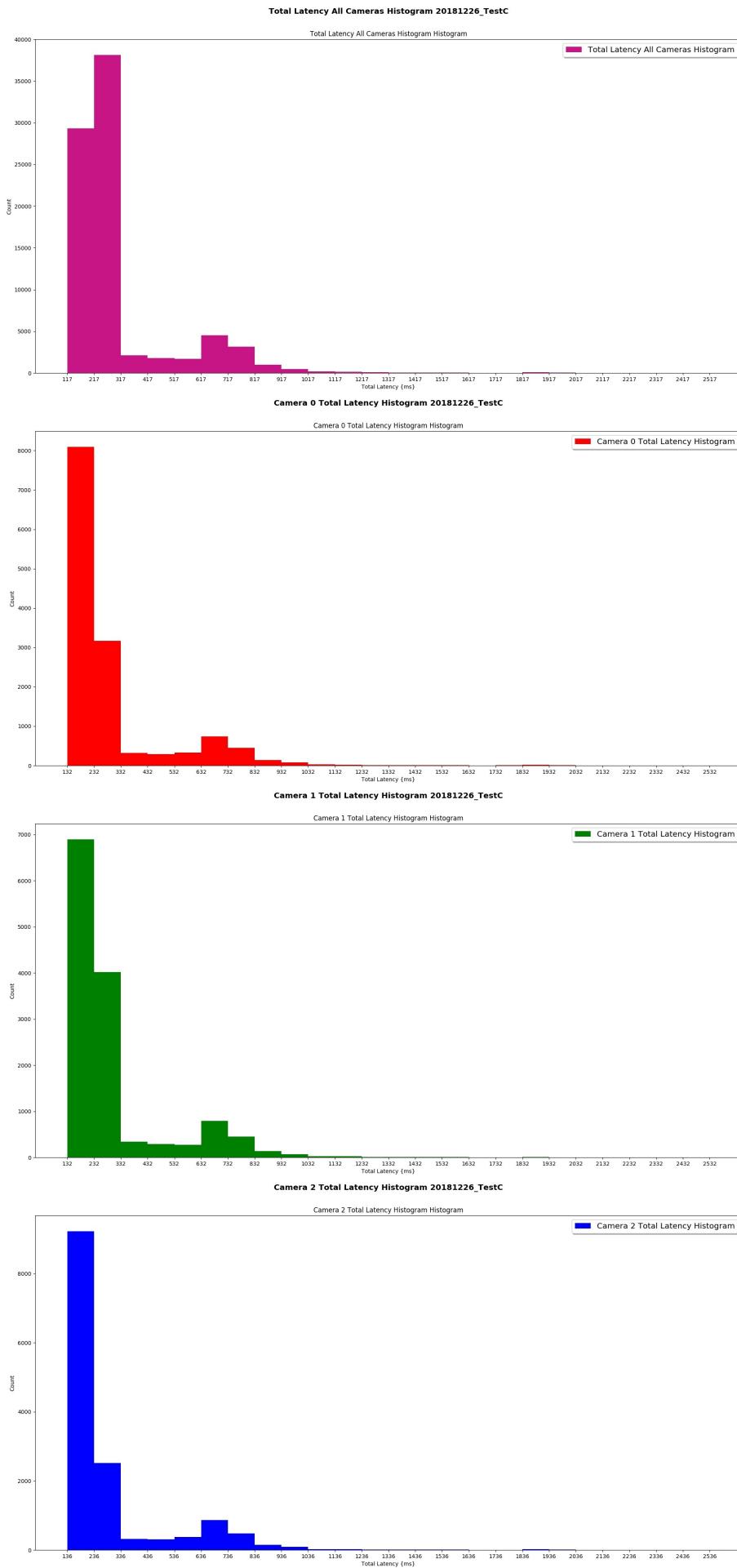


# Total Latency

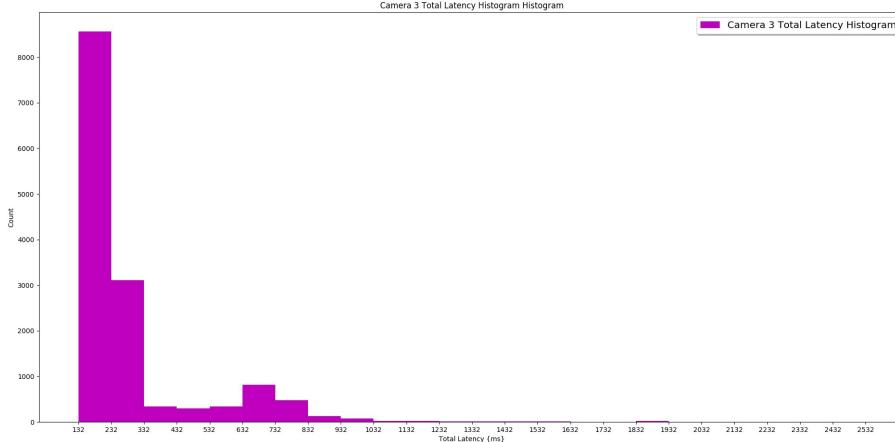




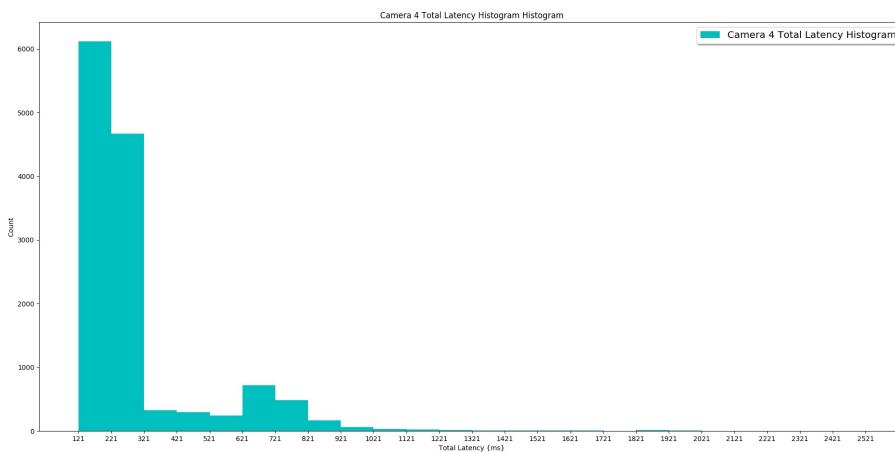
# Total Latency Histogram



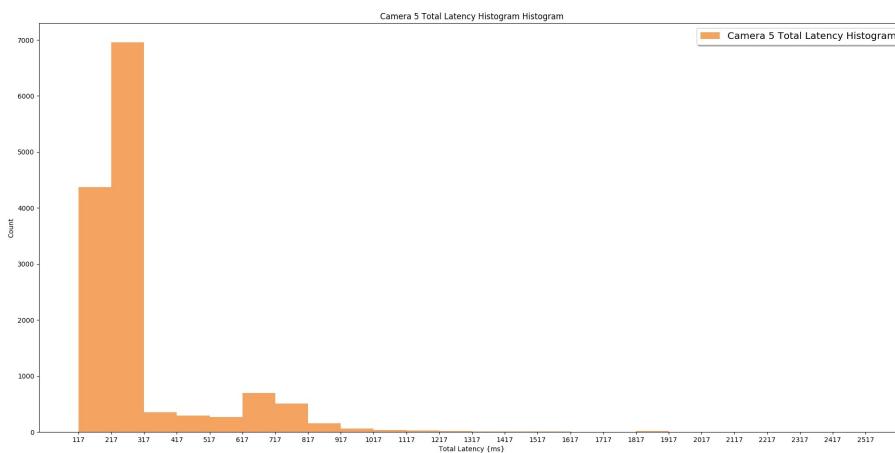
**Camera 3 Total Latency Histogram 20181226\_TestC**



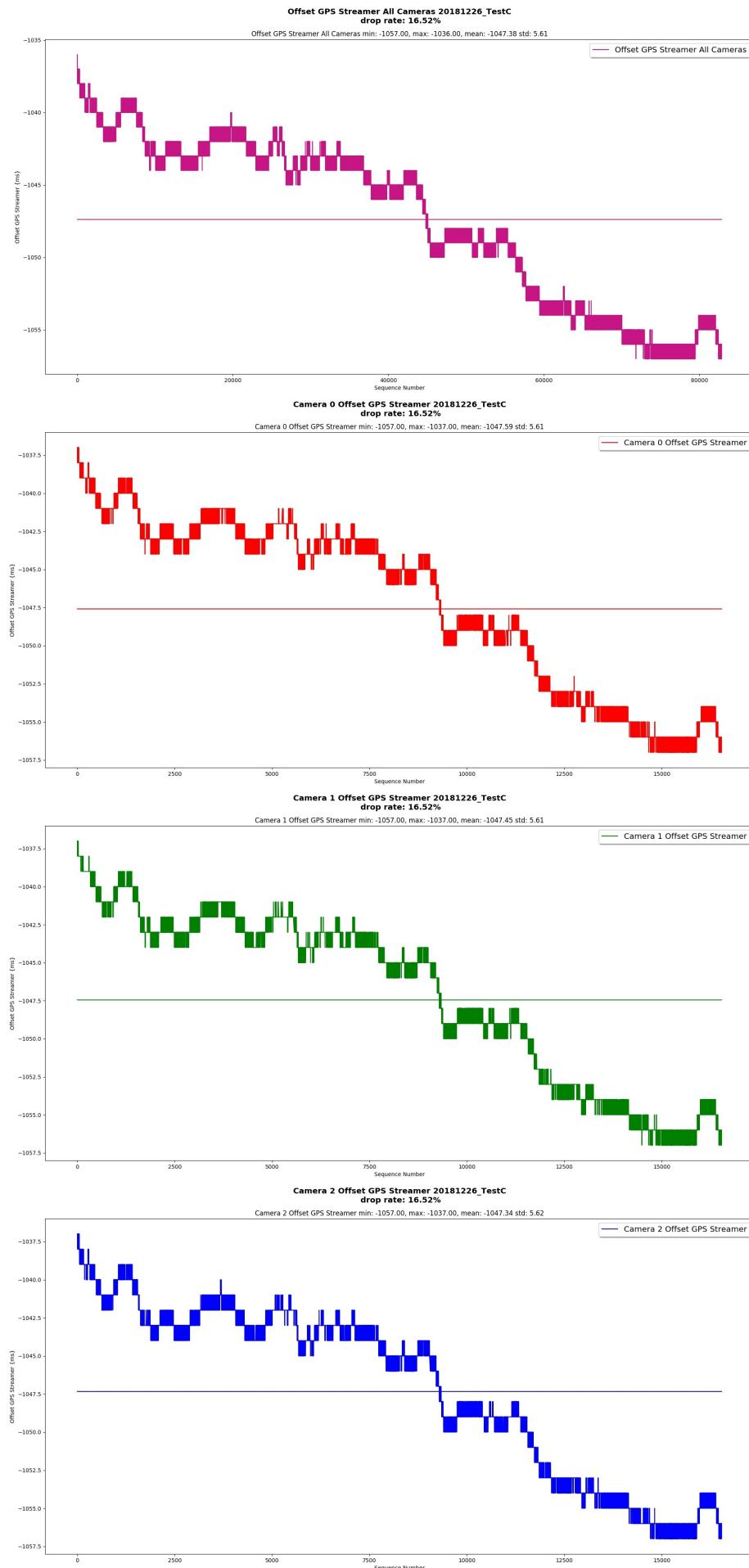
**Camera 4 Total Latency Histogram 20181226\_TestC**

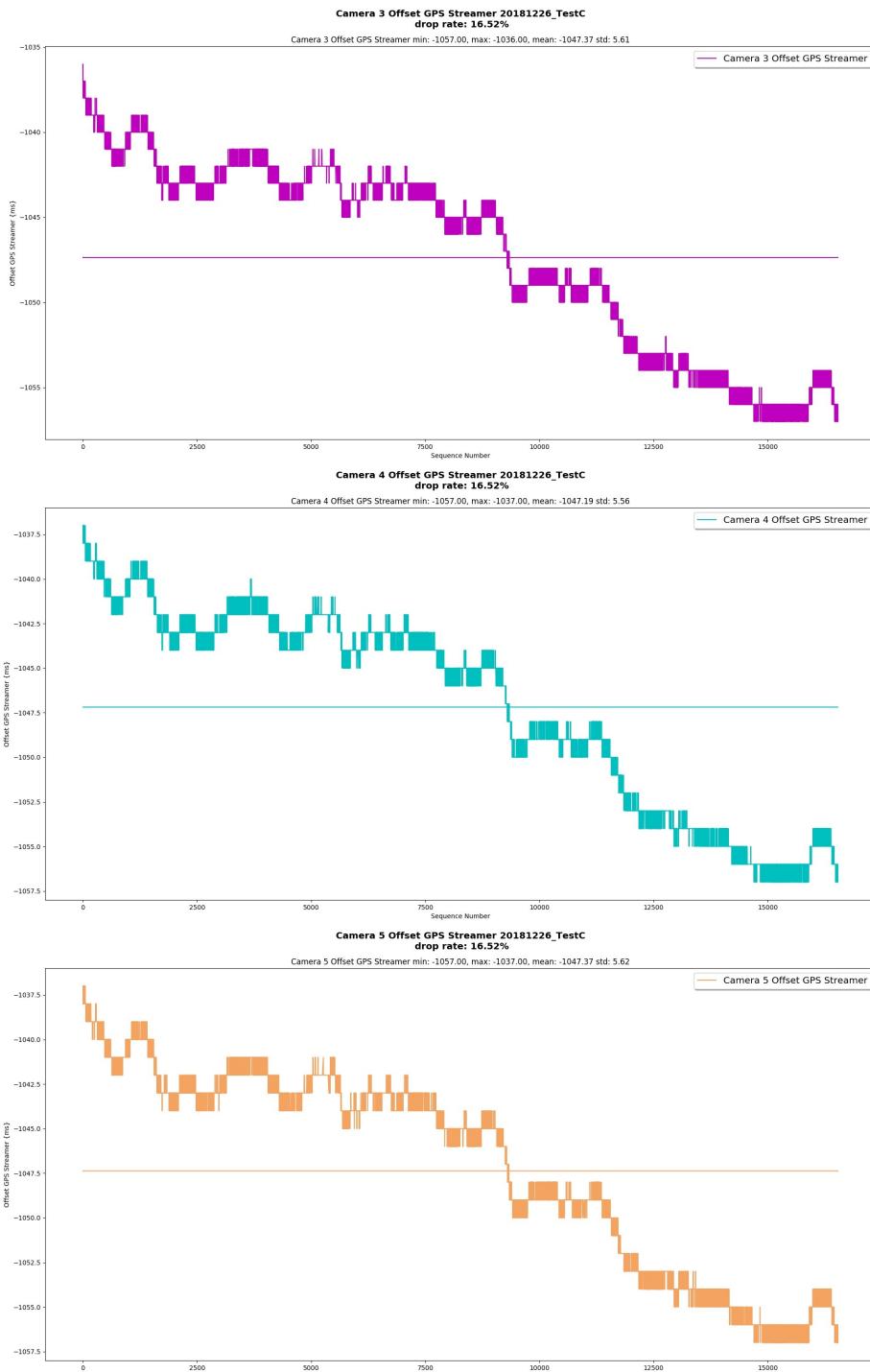


**Camera 5 Total Latency Histogram 20181226\_TestC**

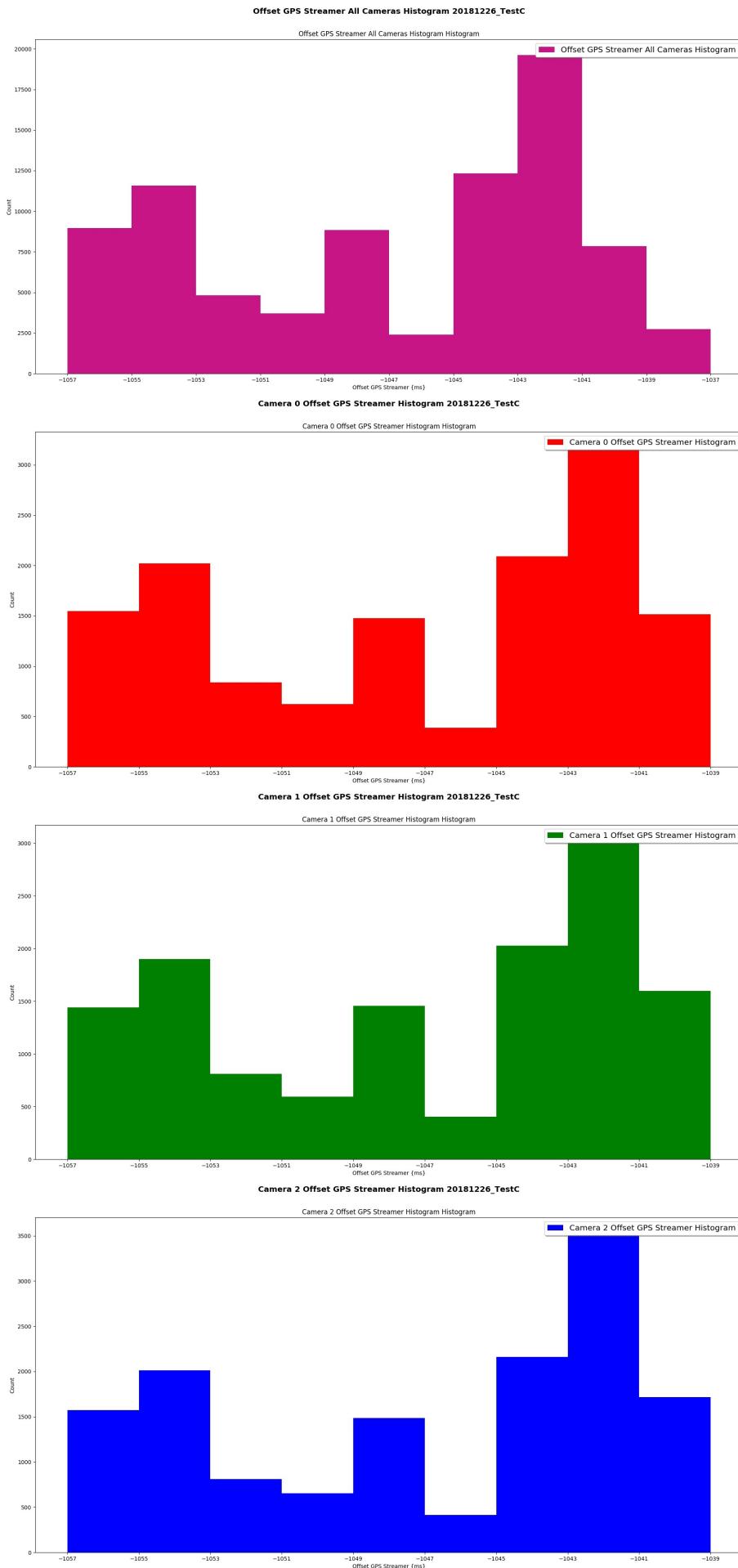


# Offset GPS Streamer

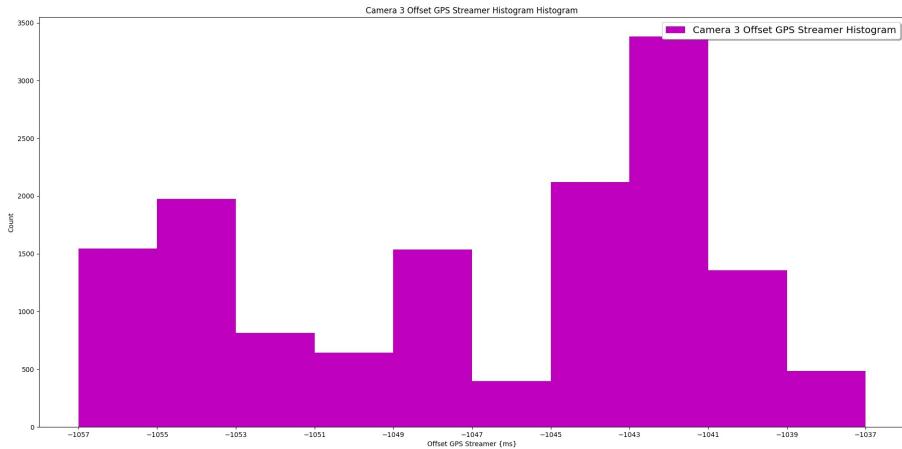




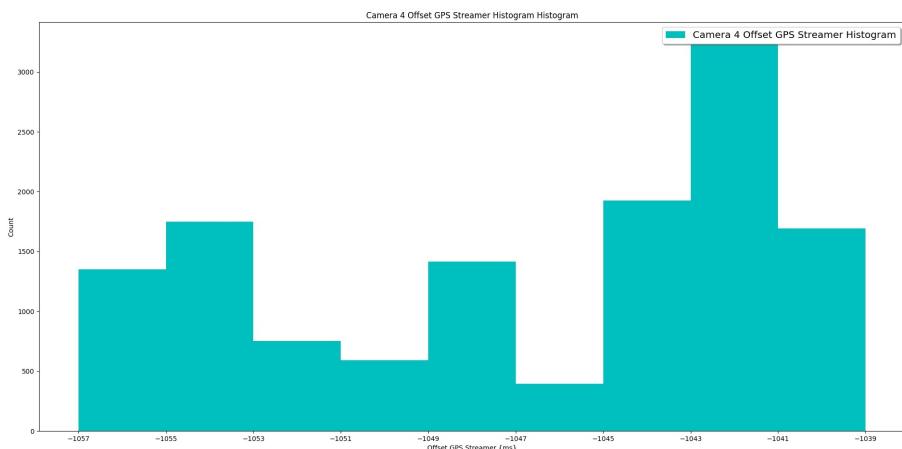
# Offset GPS Streamer Histogram



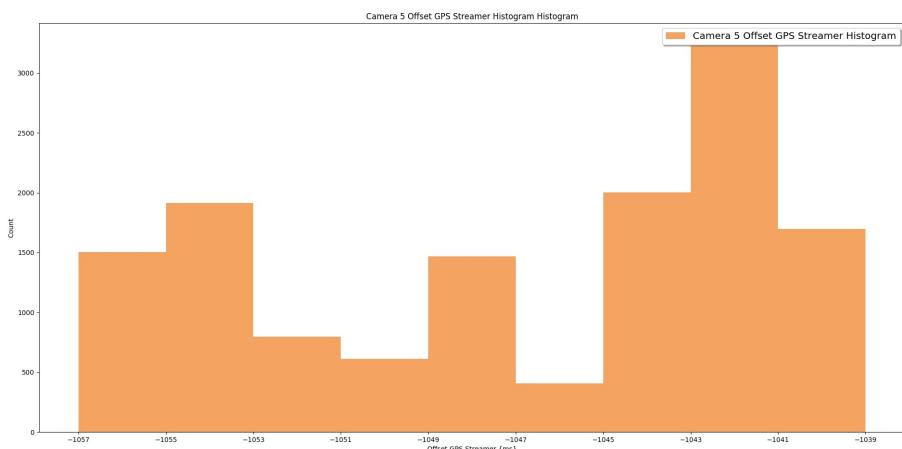
**Camera 3 Offset GPS Streamer Histogram 20181226\_TestC**



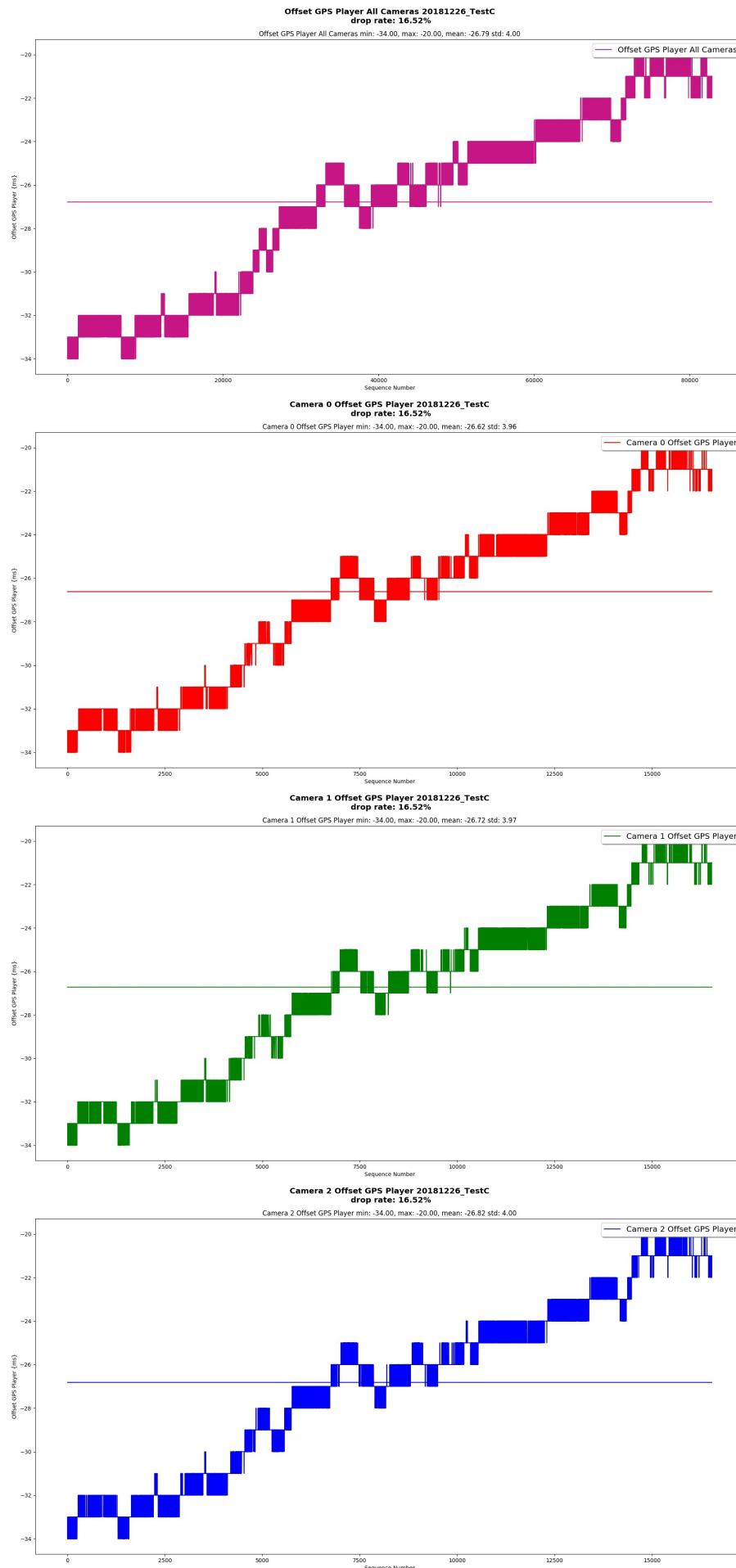
**Camera 4 Offset GPS Streamer Histogram 20181226\_TestC**

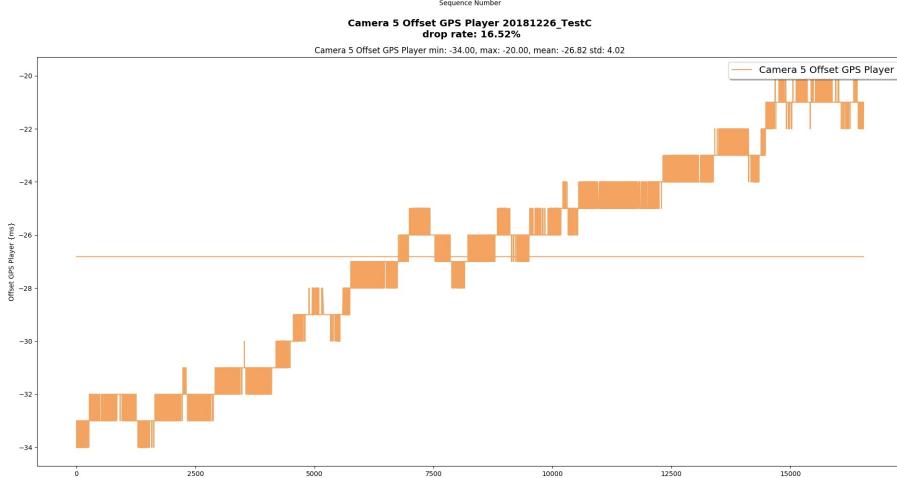
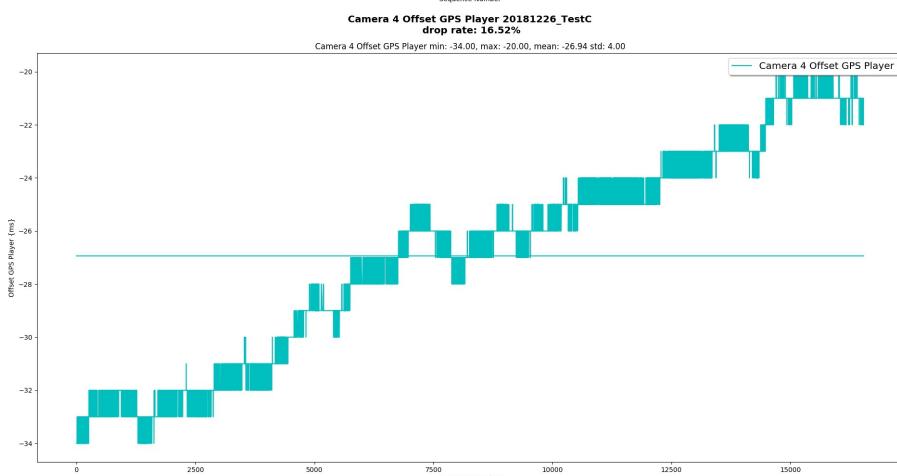
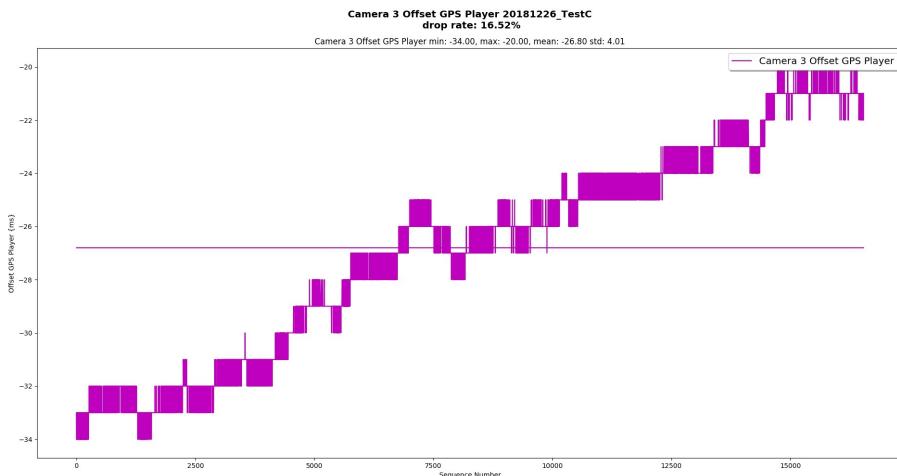


**Camera 5 Offset GPS Streamer Histogram 20181226\_TestC**

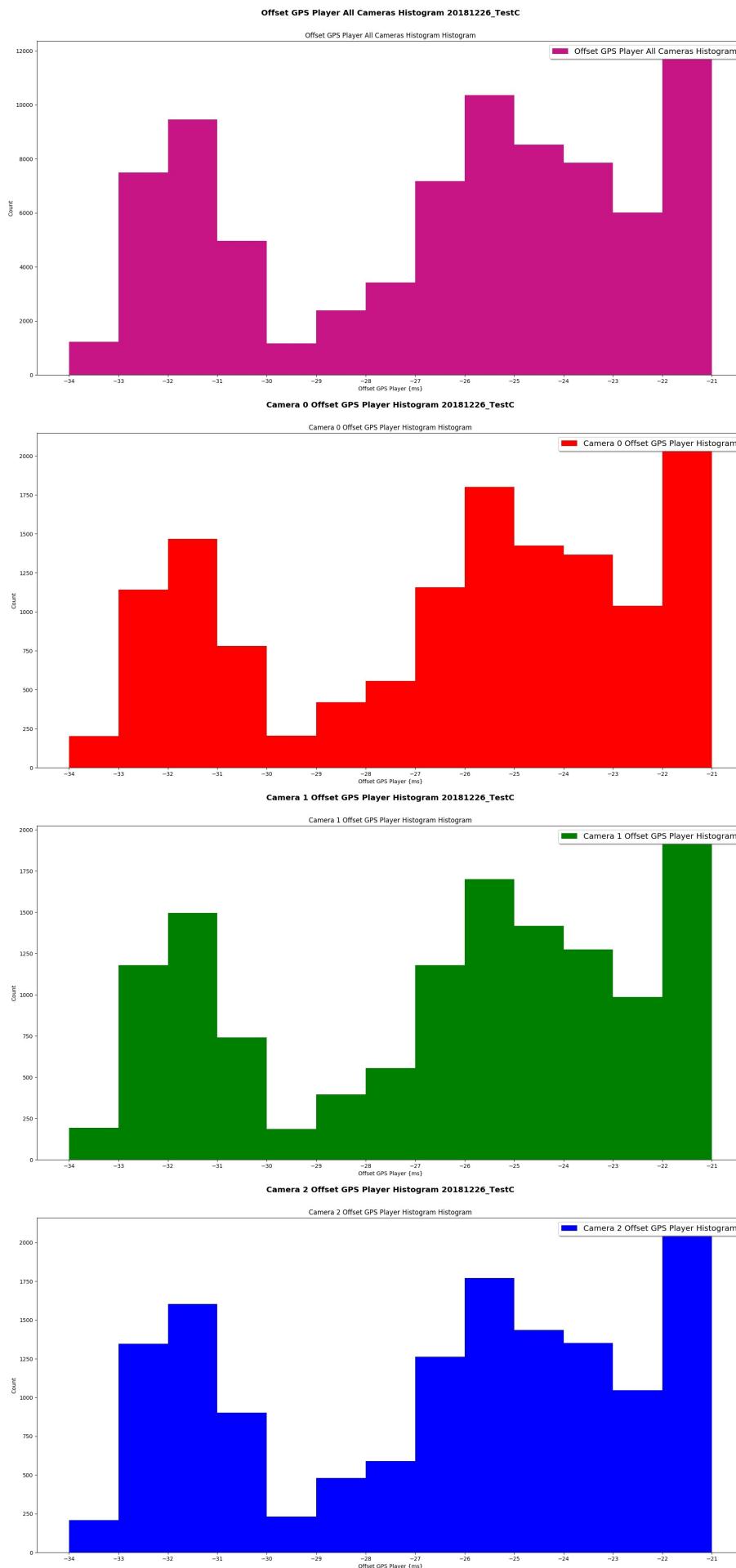


# Offset GPS Player

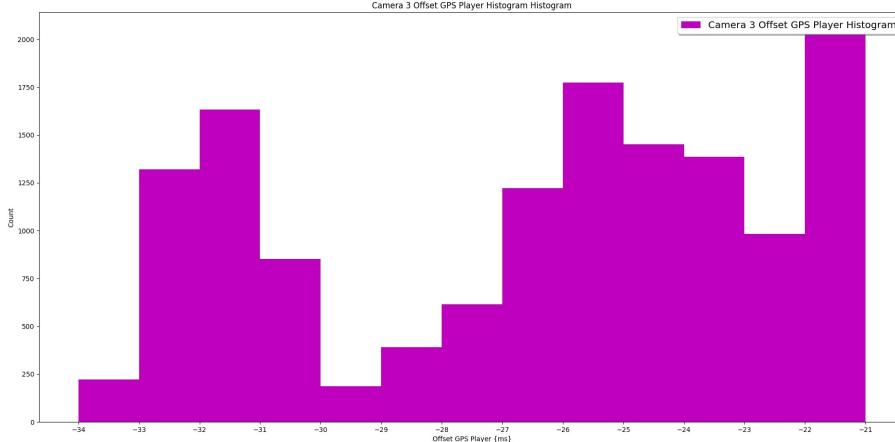




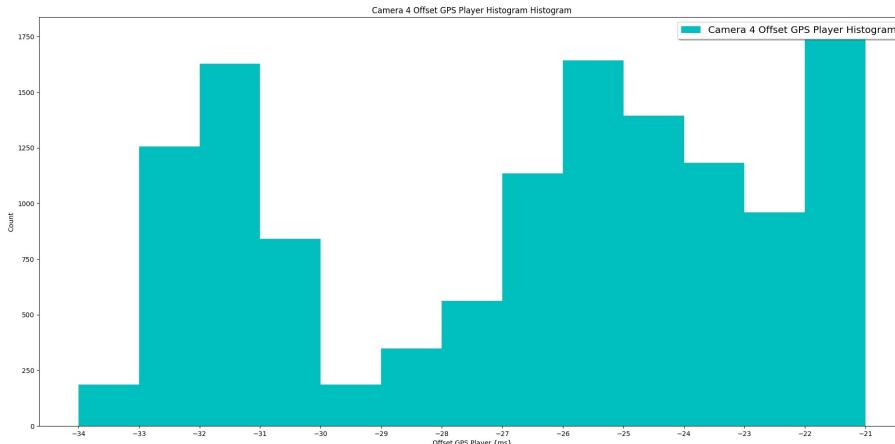
# Offset GPS Player Histogram



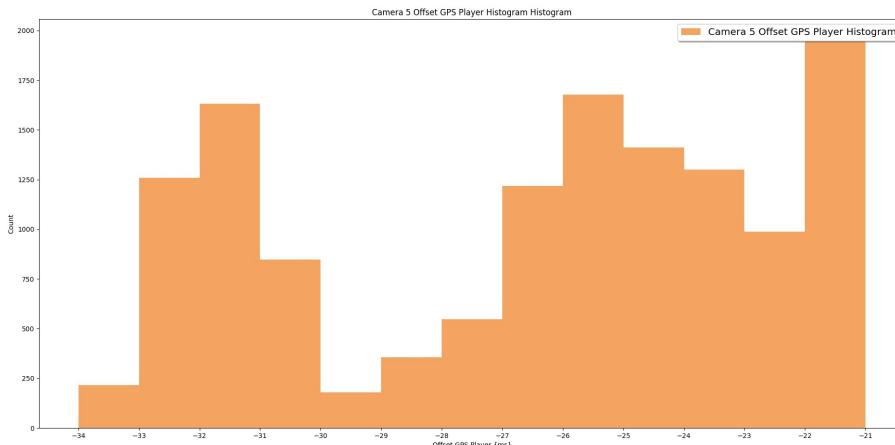
**Camera 3 Offset GPS Player Histogram 20181226\_TestC**



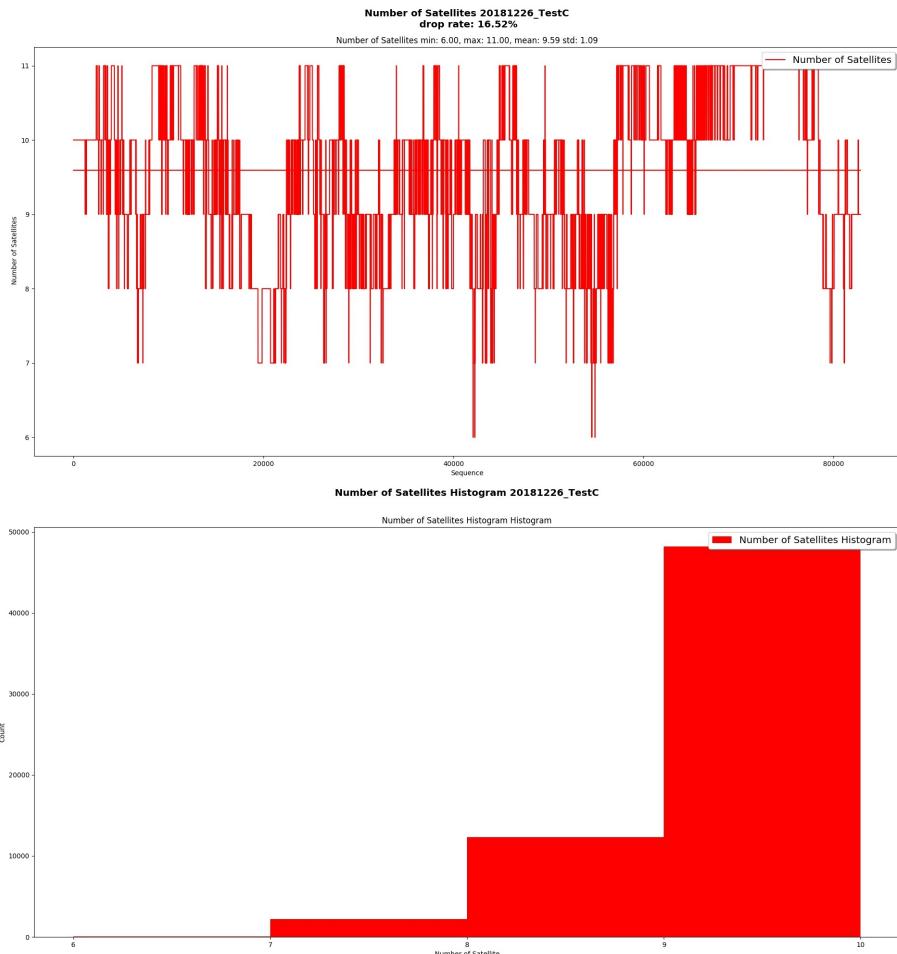
**Camera 4 Offset GPS Player Histogram 20181226\_TestC**



**Camera 5 Offset GPS Player Histogram 20181226\_TestC**



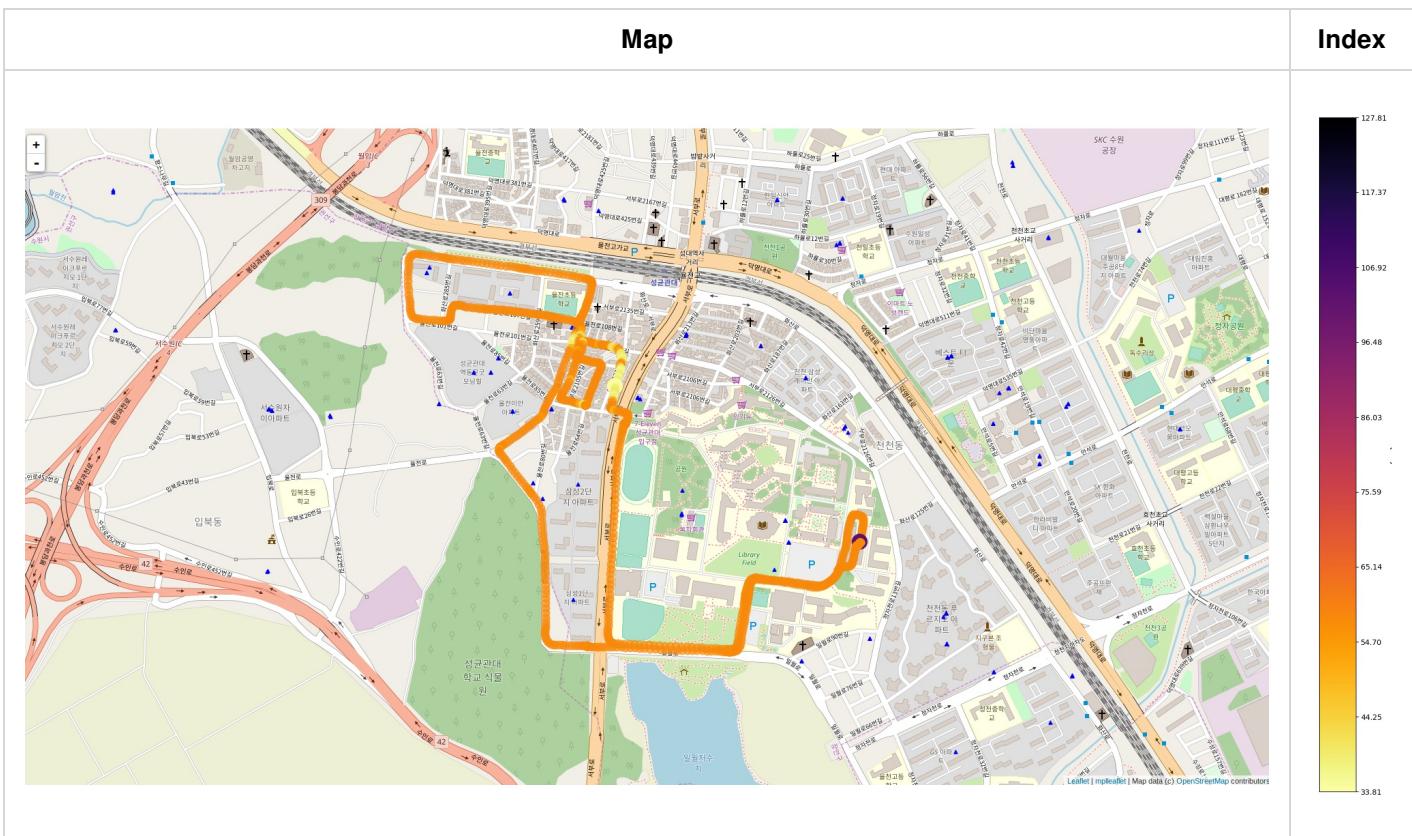
# Satellite Count



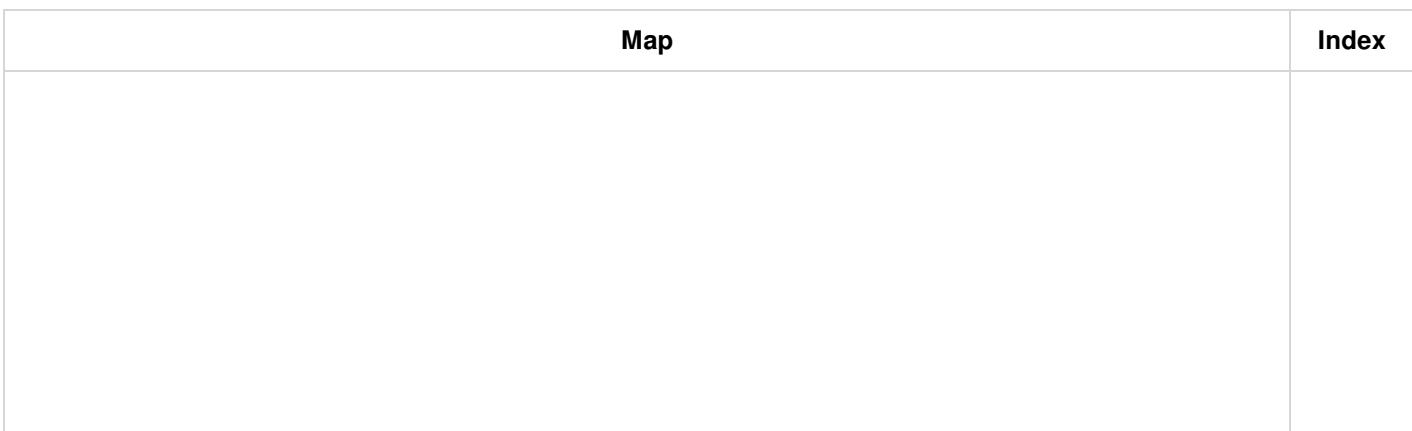
# Encoding Latency over Route

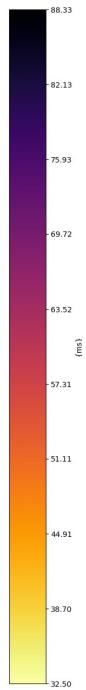


## Encoding Latency for all cameras

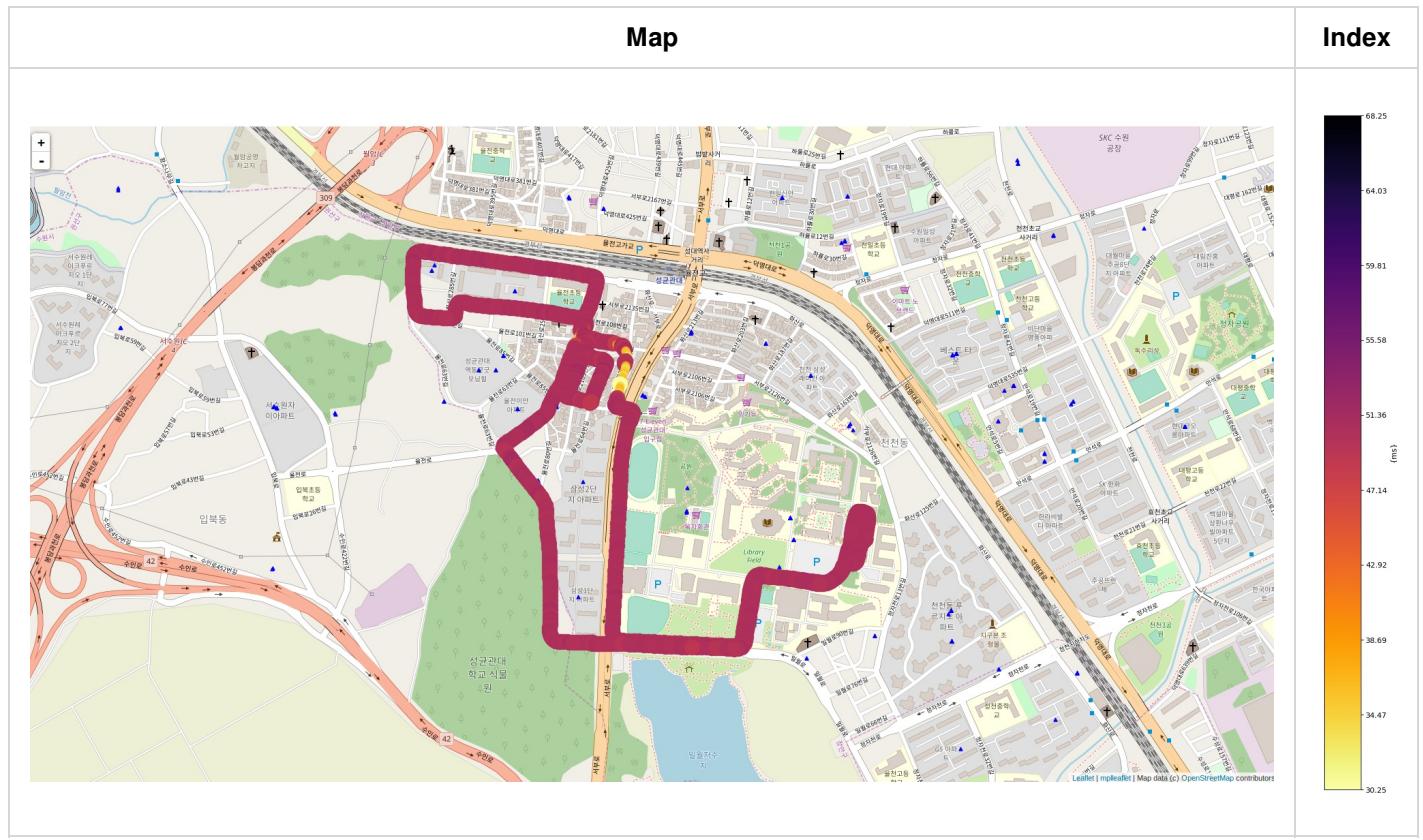


## Encoding Latency Camera 0

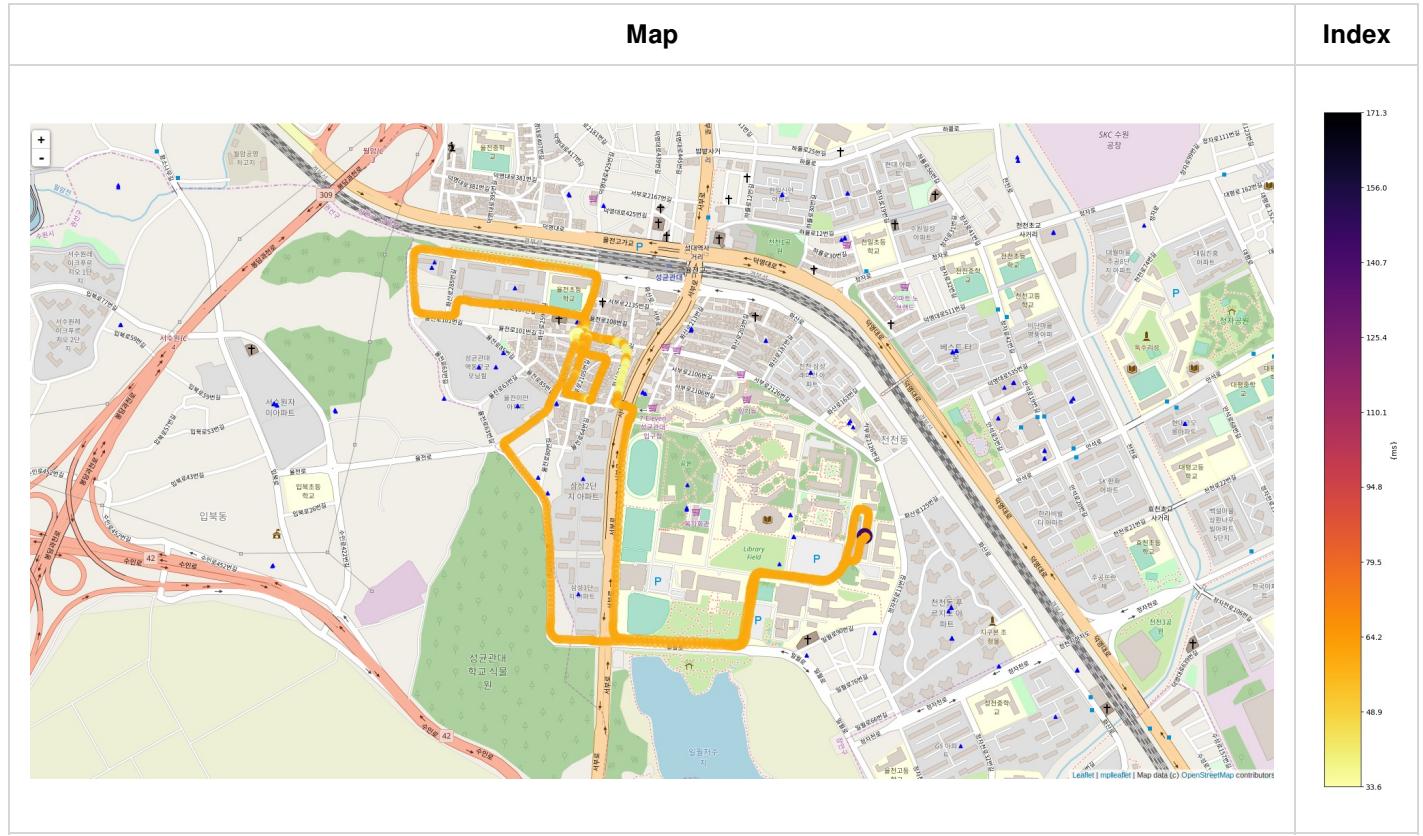




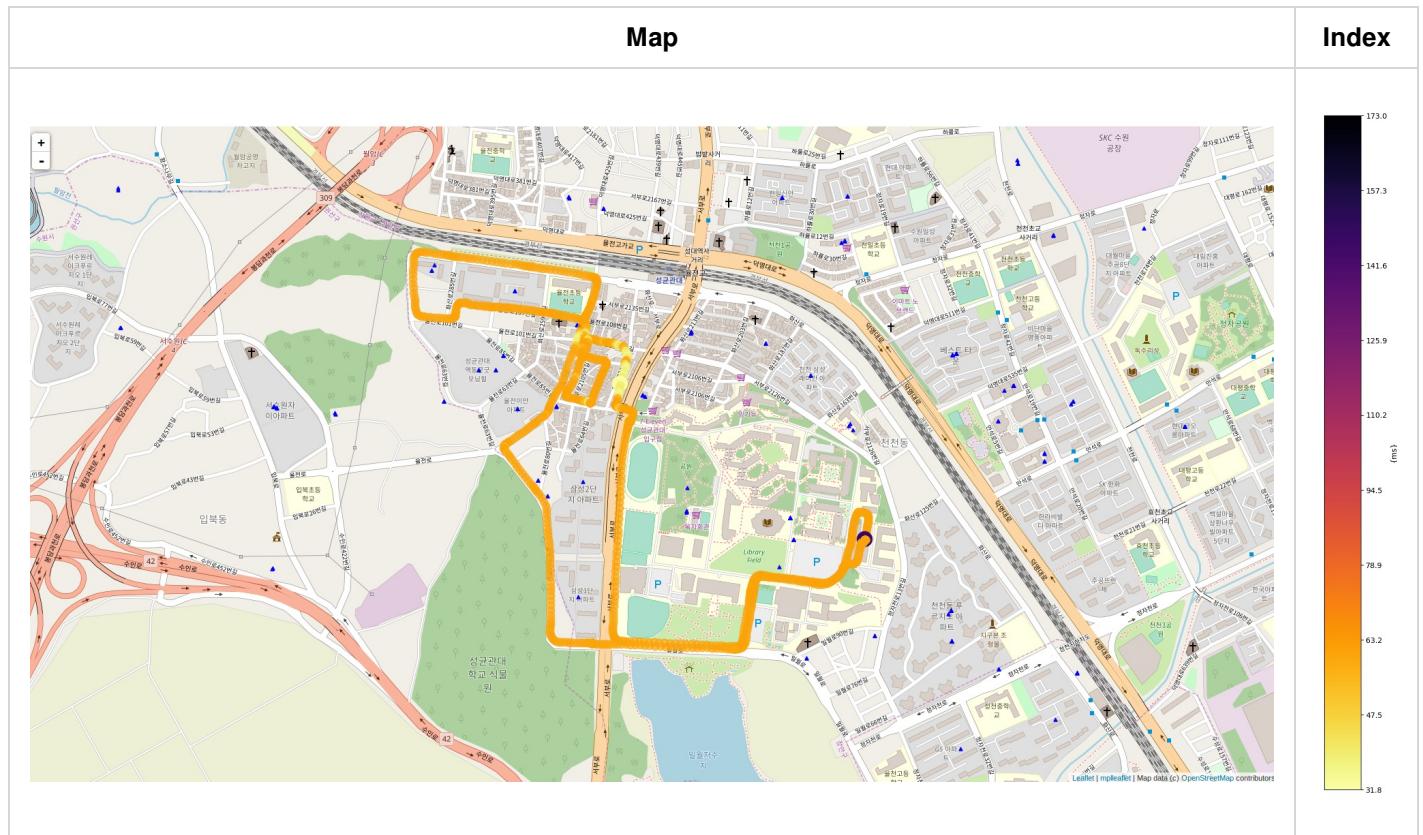
## Encoding Latency Camera 1



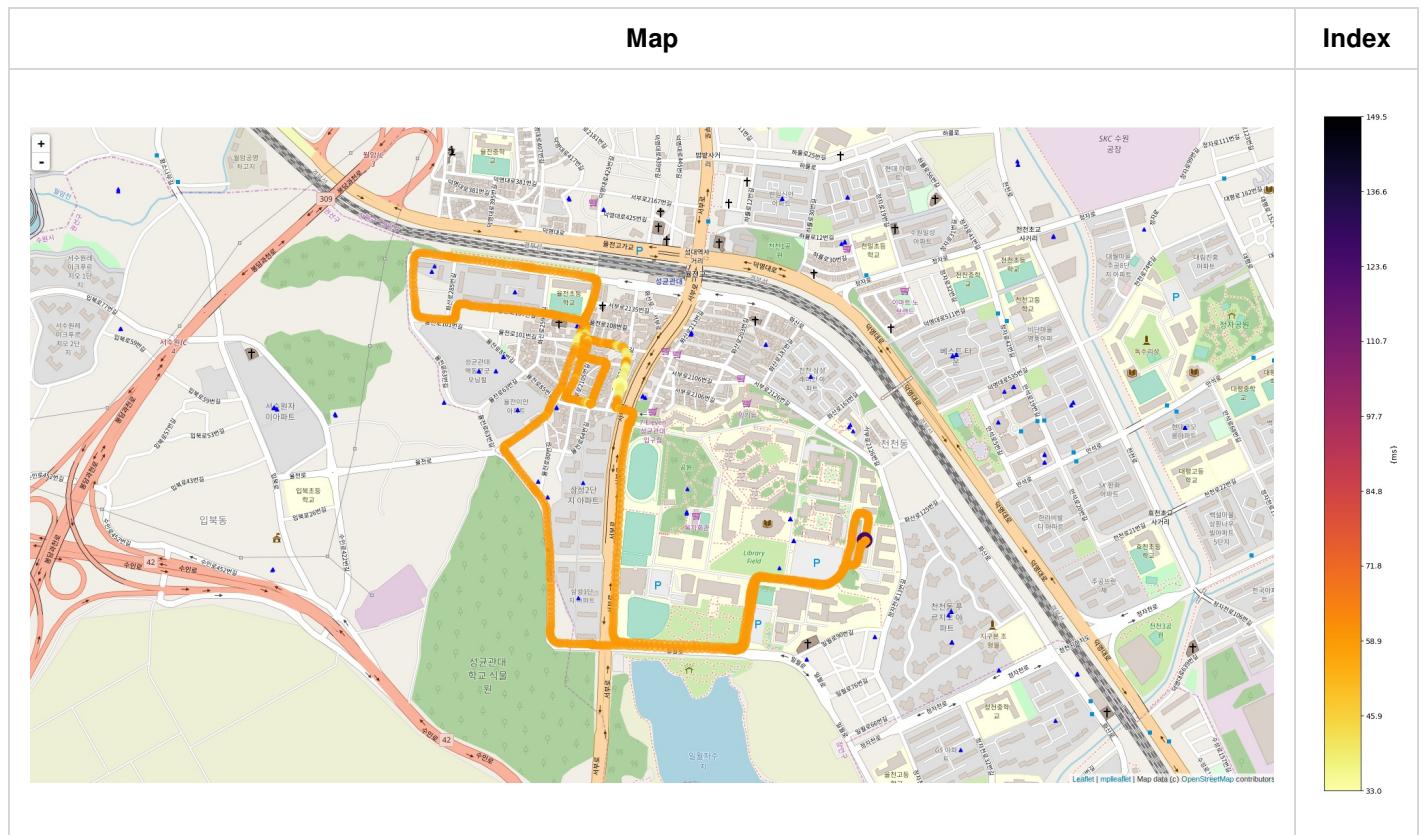
## Encoding Latency Camera 2



## Encoding Latency Camera 3

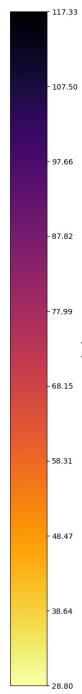


## Encoding Latency Camera 4



## Encoding Latency Camera 5

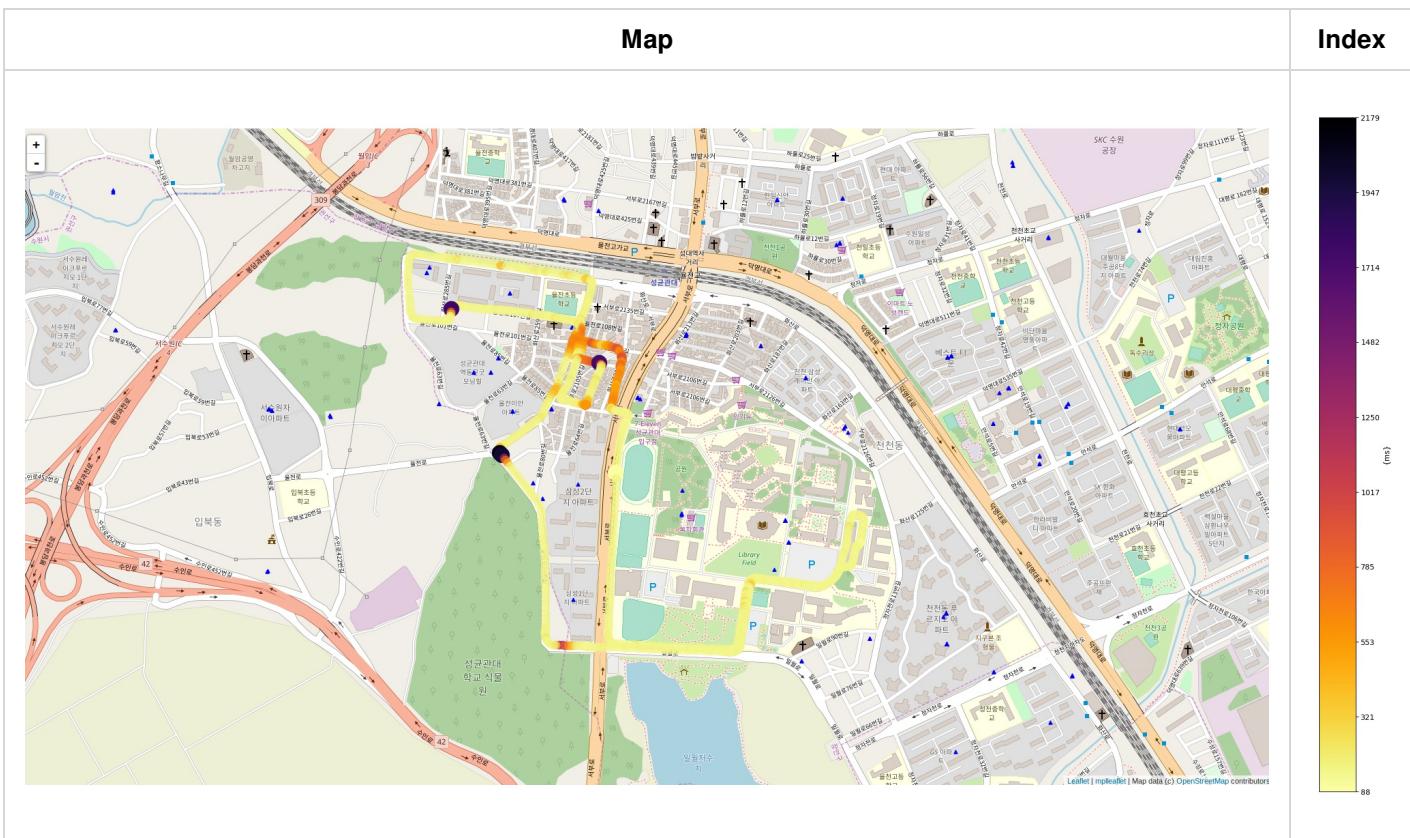




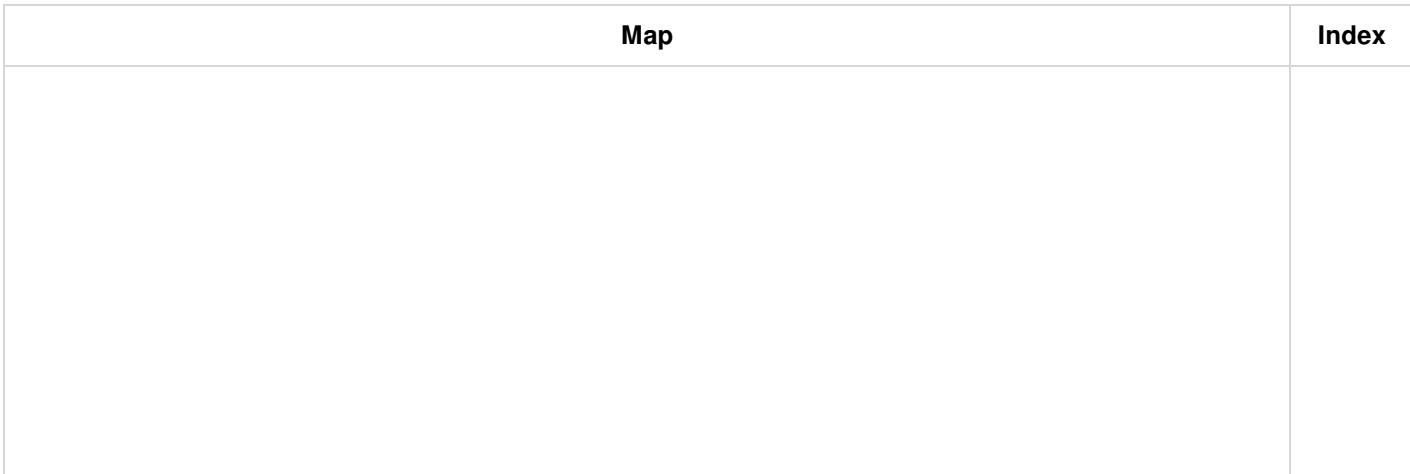
# Network Latency over Route

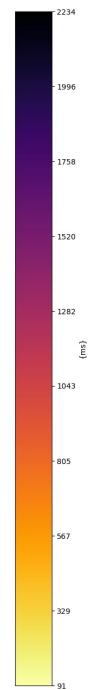
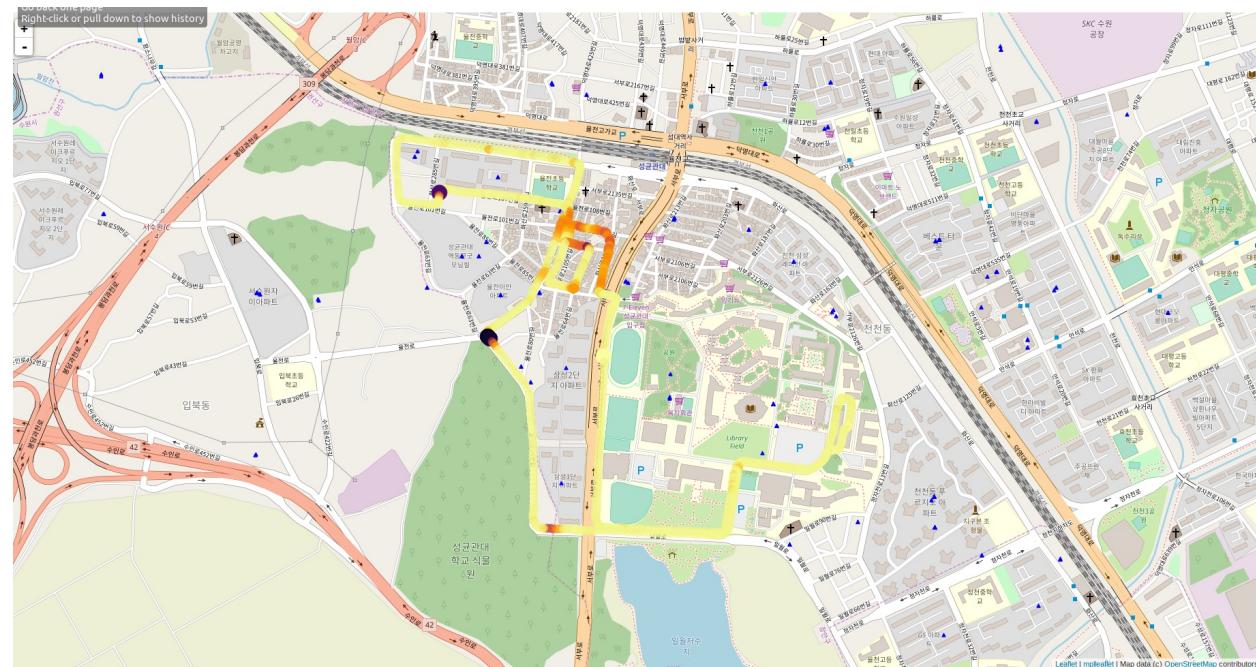


## Network Latency for all cameras

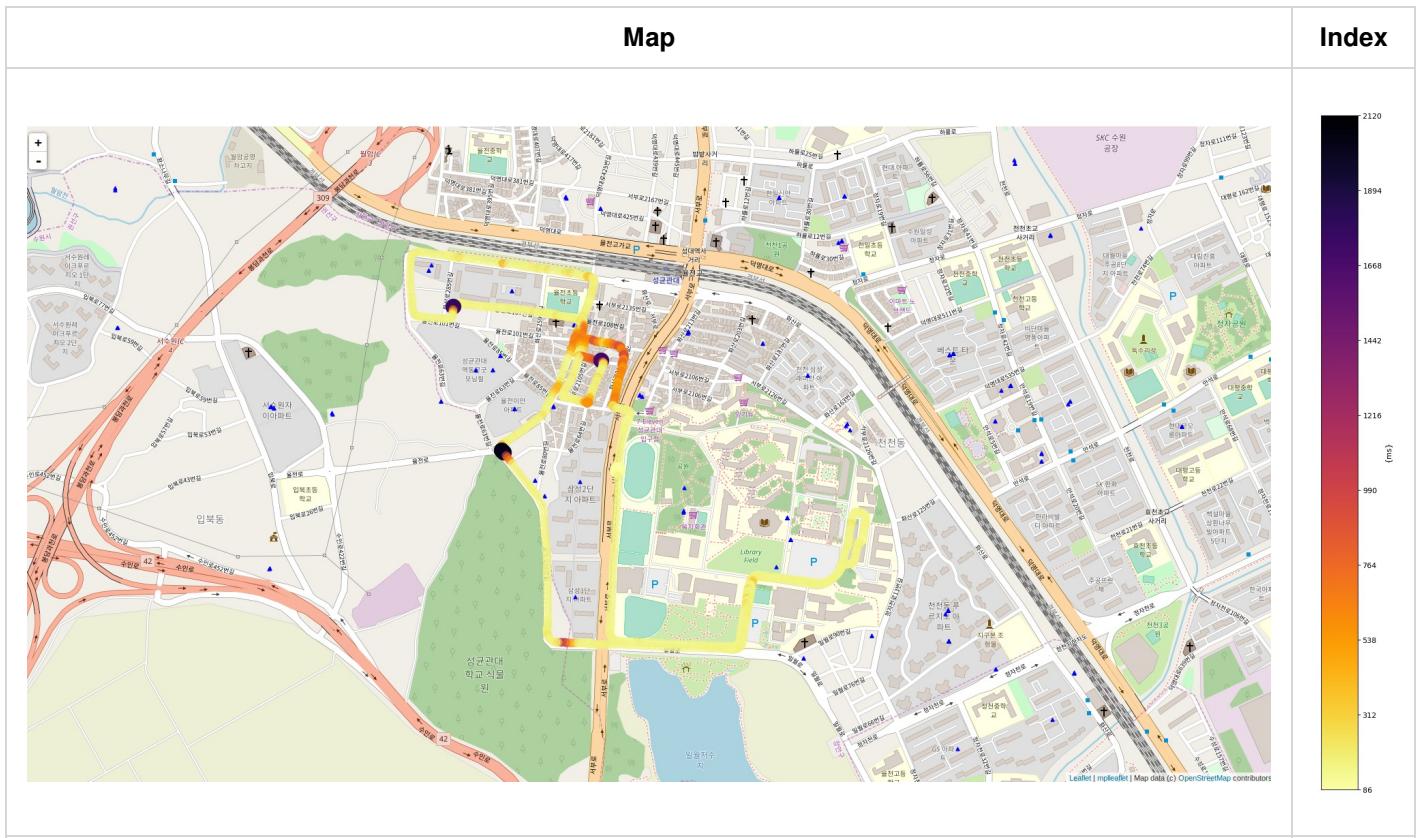


## Network Latency Camera 0

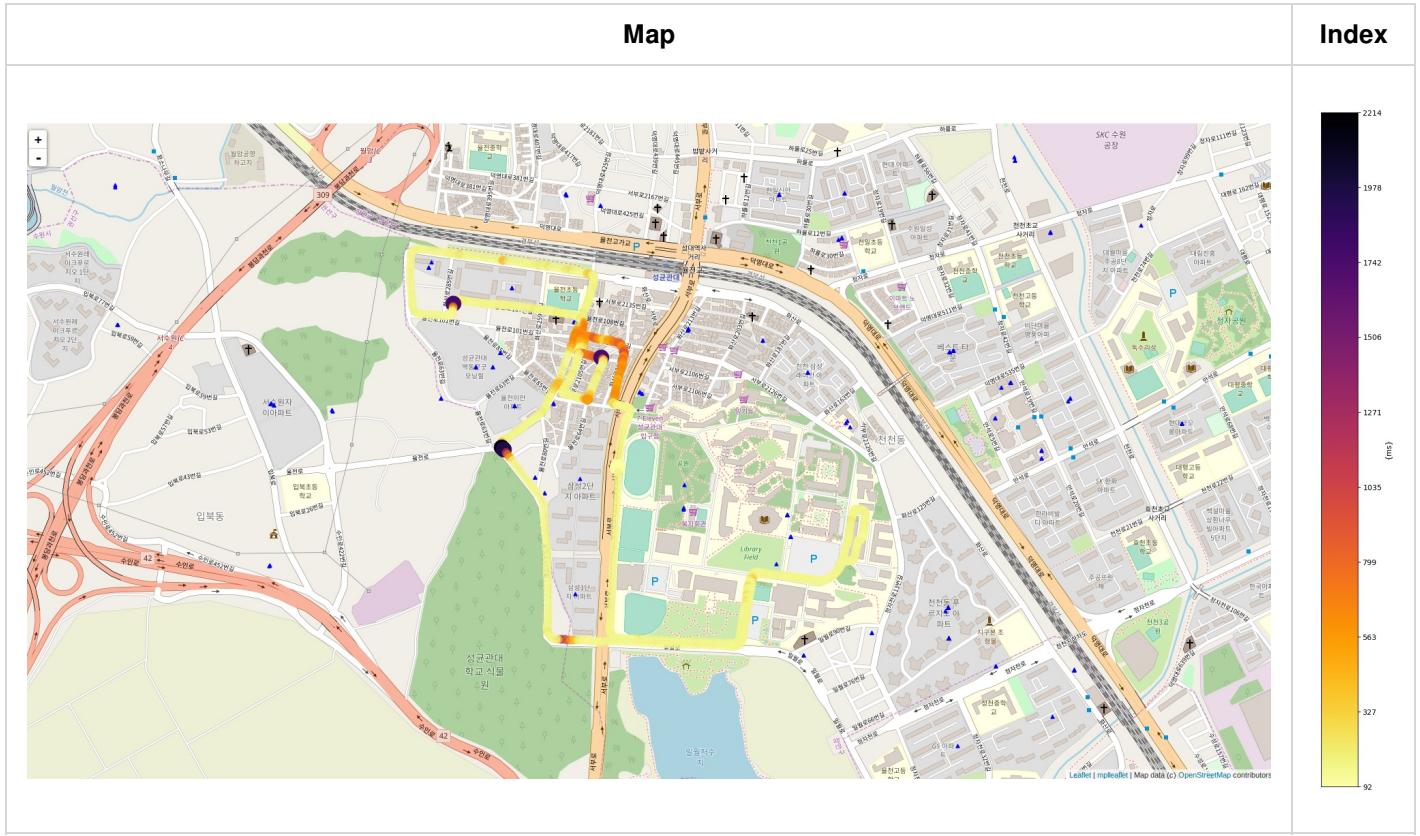




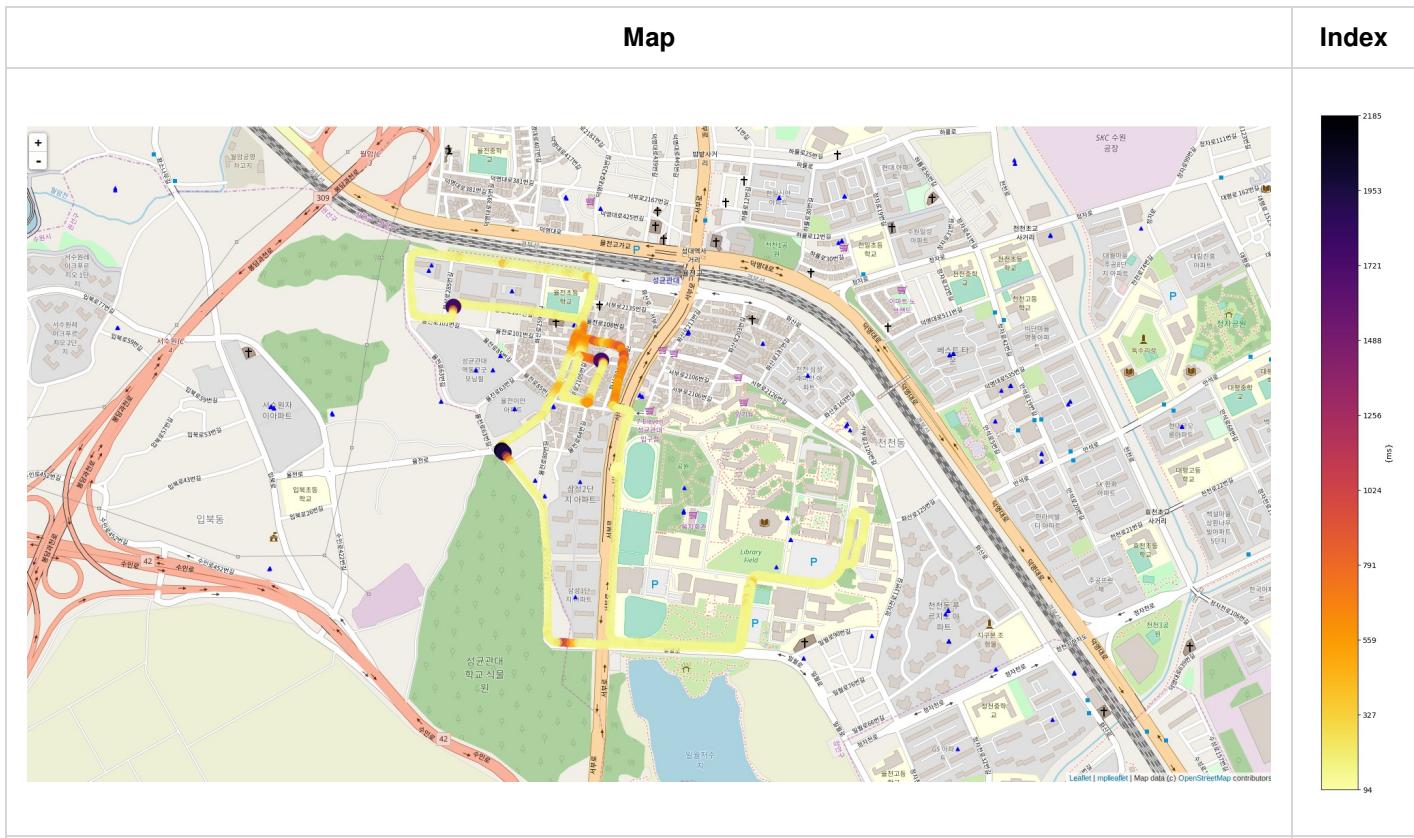
## Network Latency Camera 1



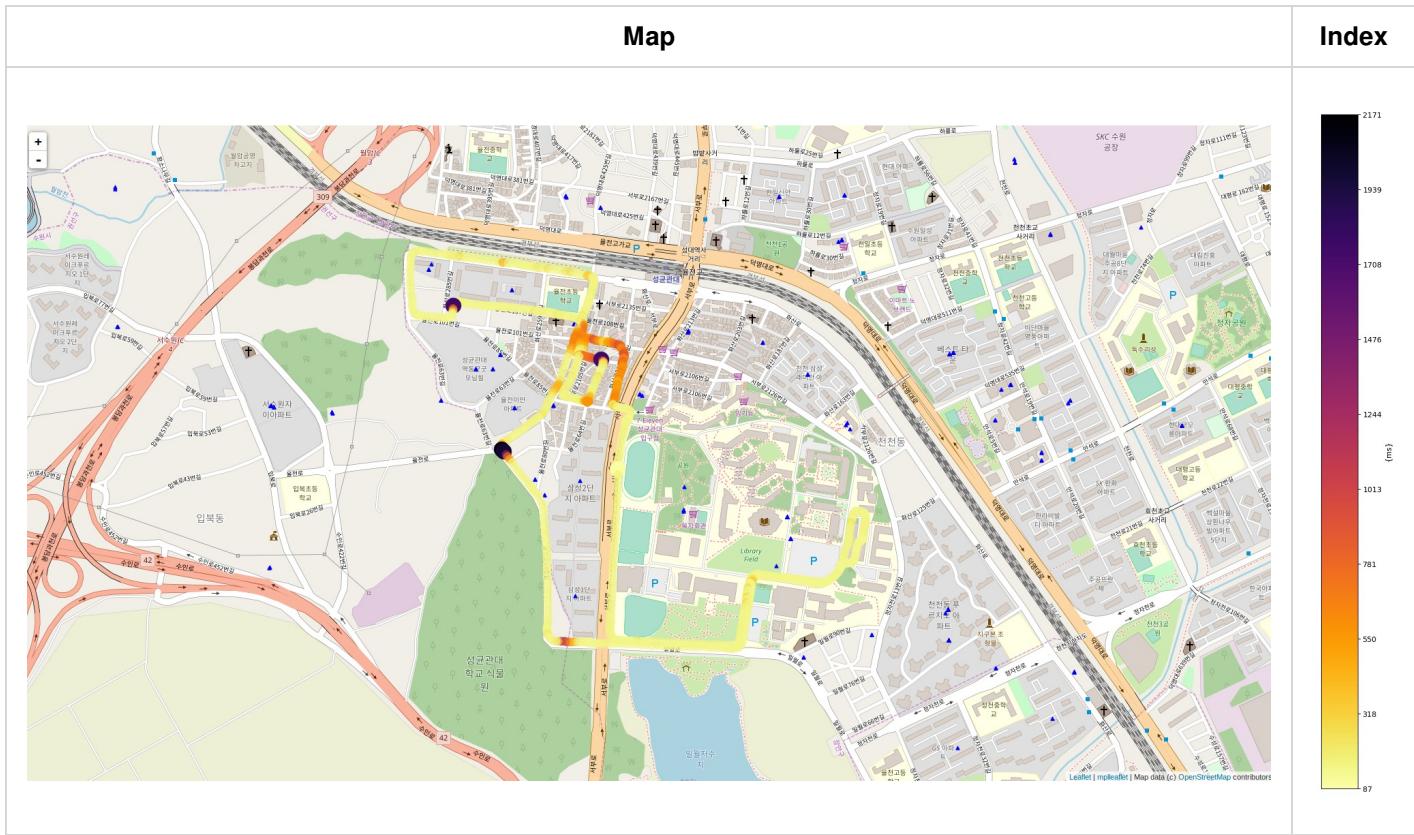
## Network Latency Camera 2



## Network Latency Camera 3

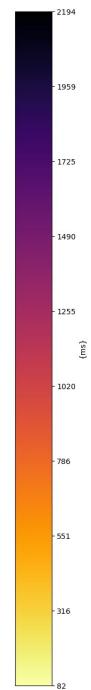
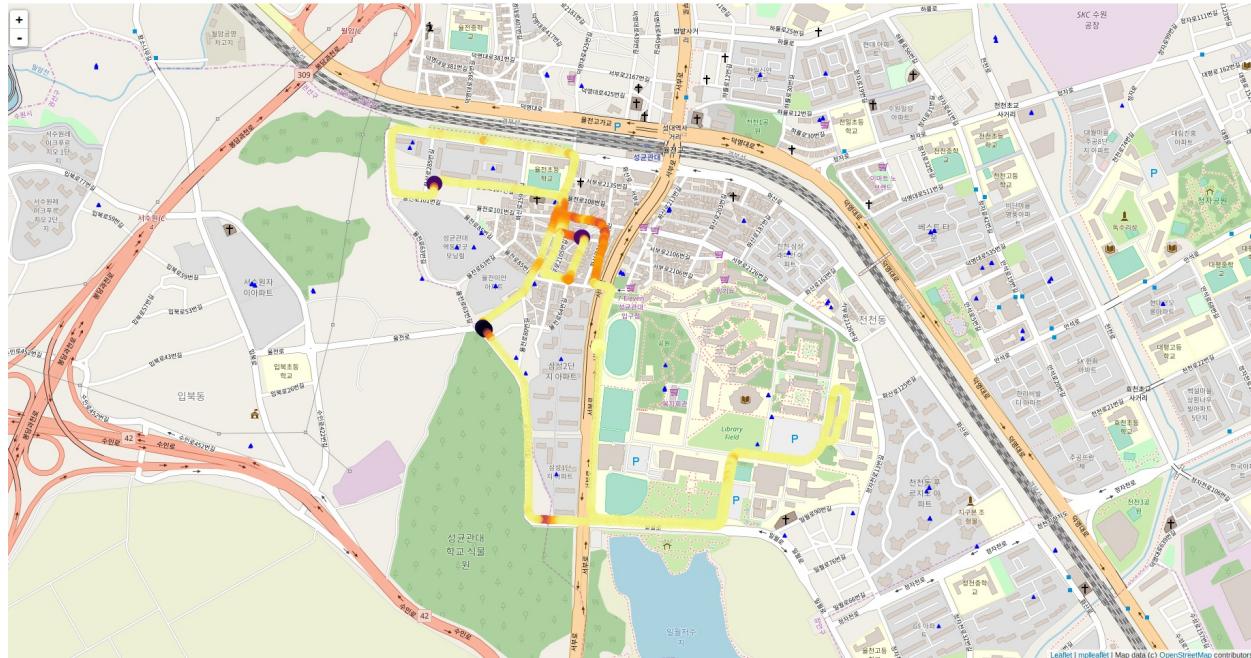


## Network Latency Camera 4

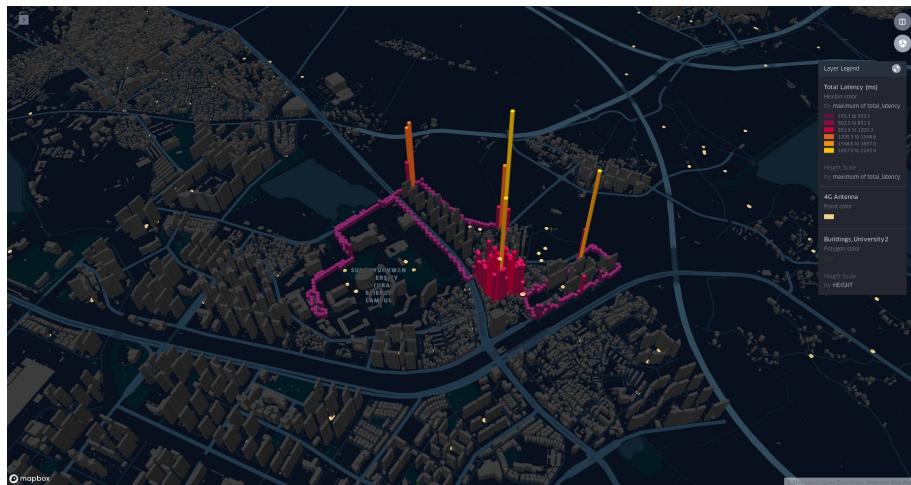


## Network Latency Camera 5



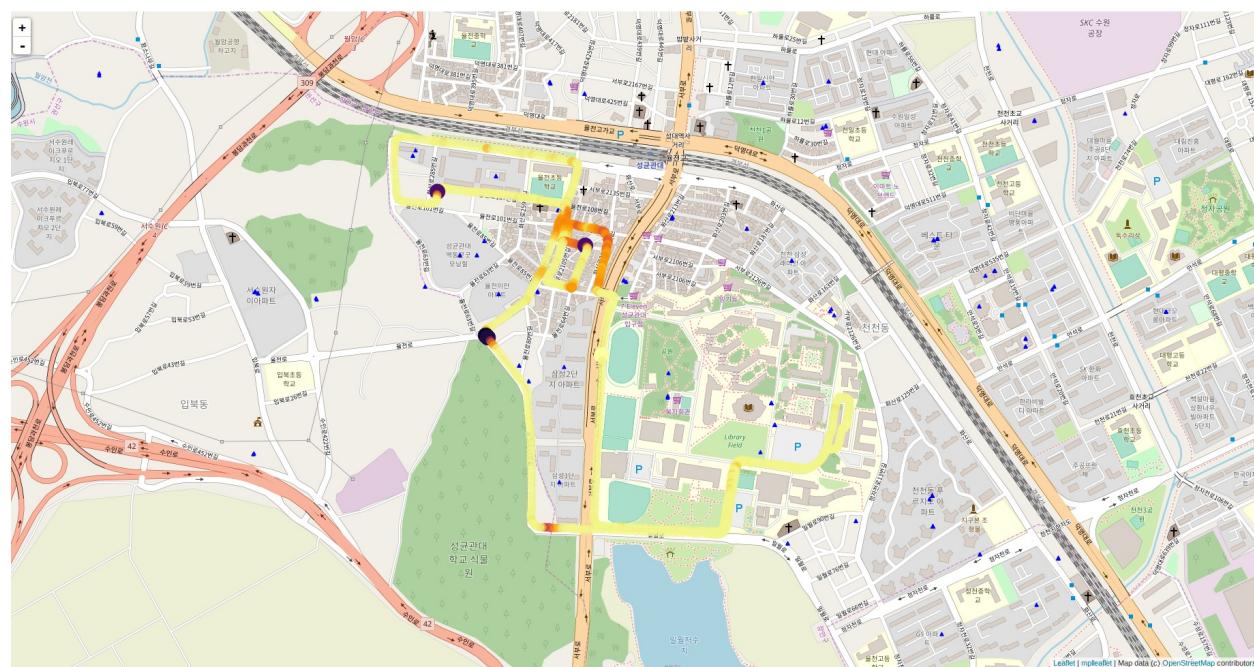


## Total Latency for all cameras



Map

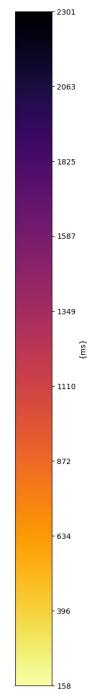
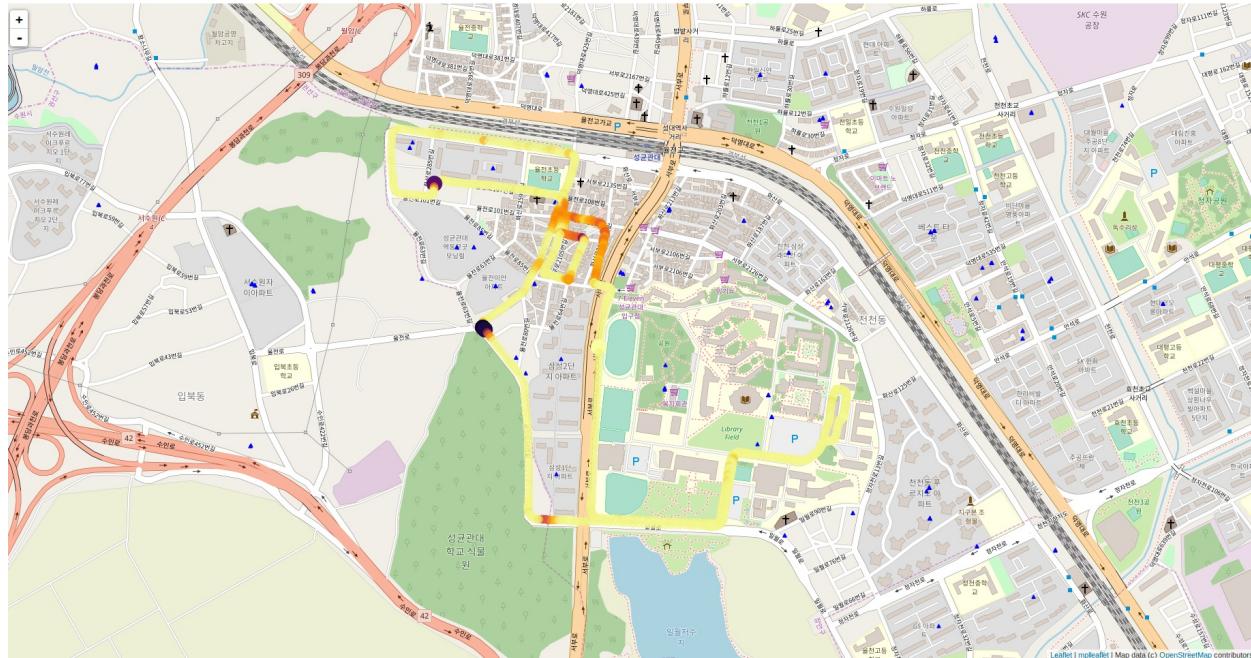
Index



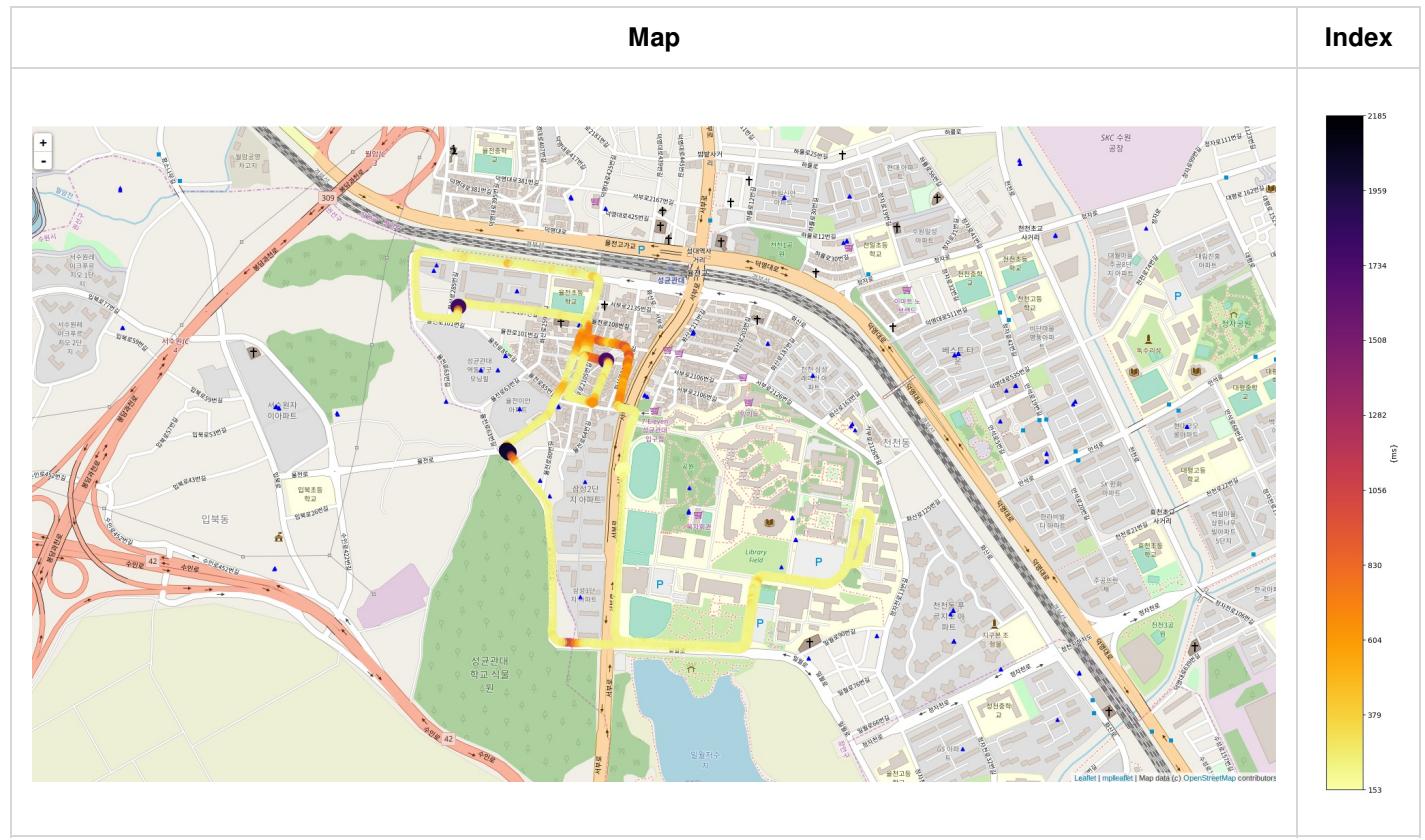
## Total Latency Camera 0

Map

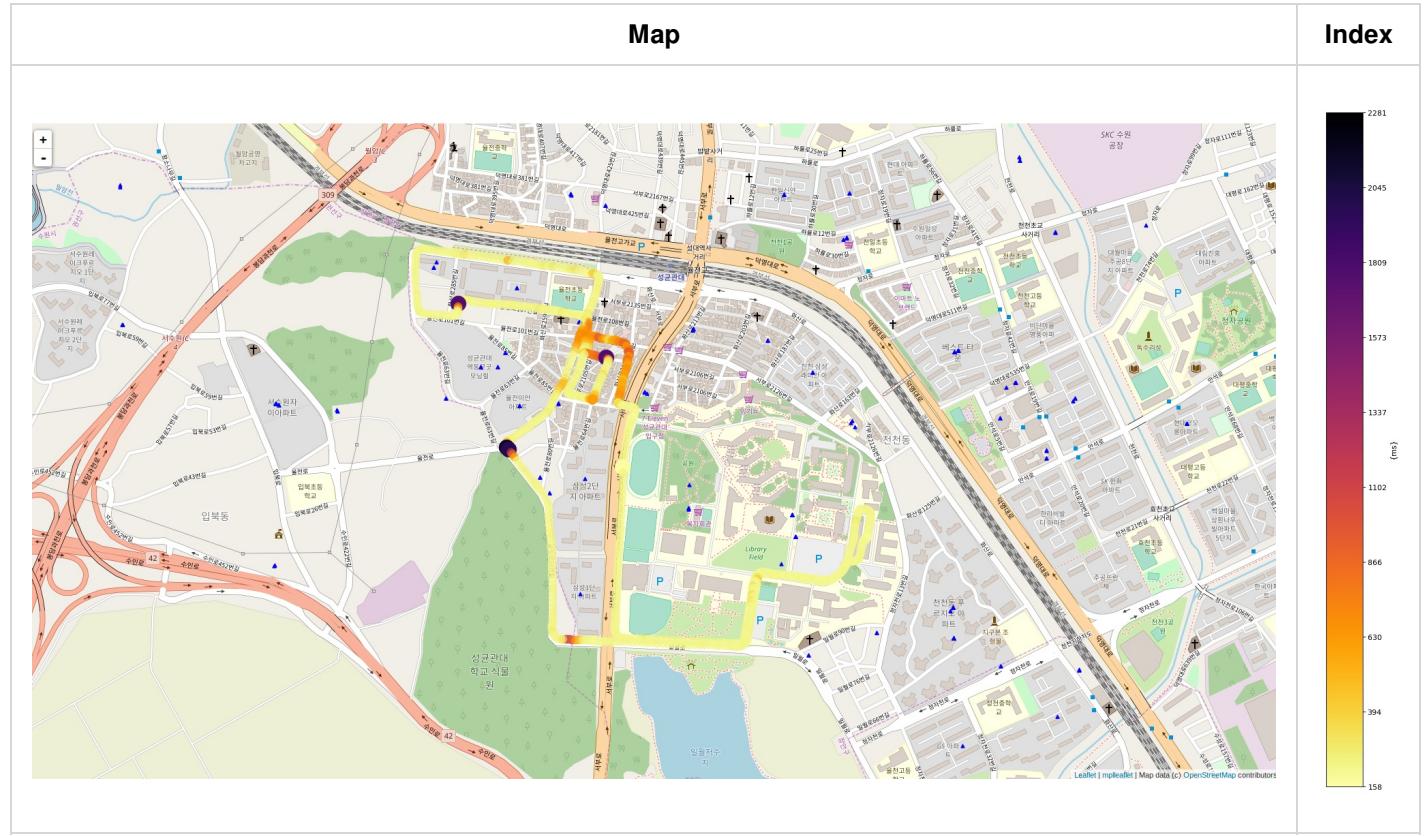
Index



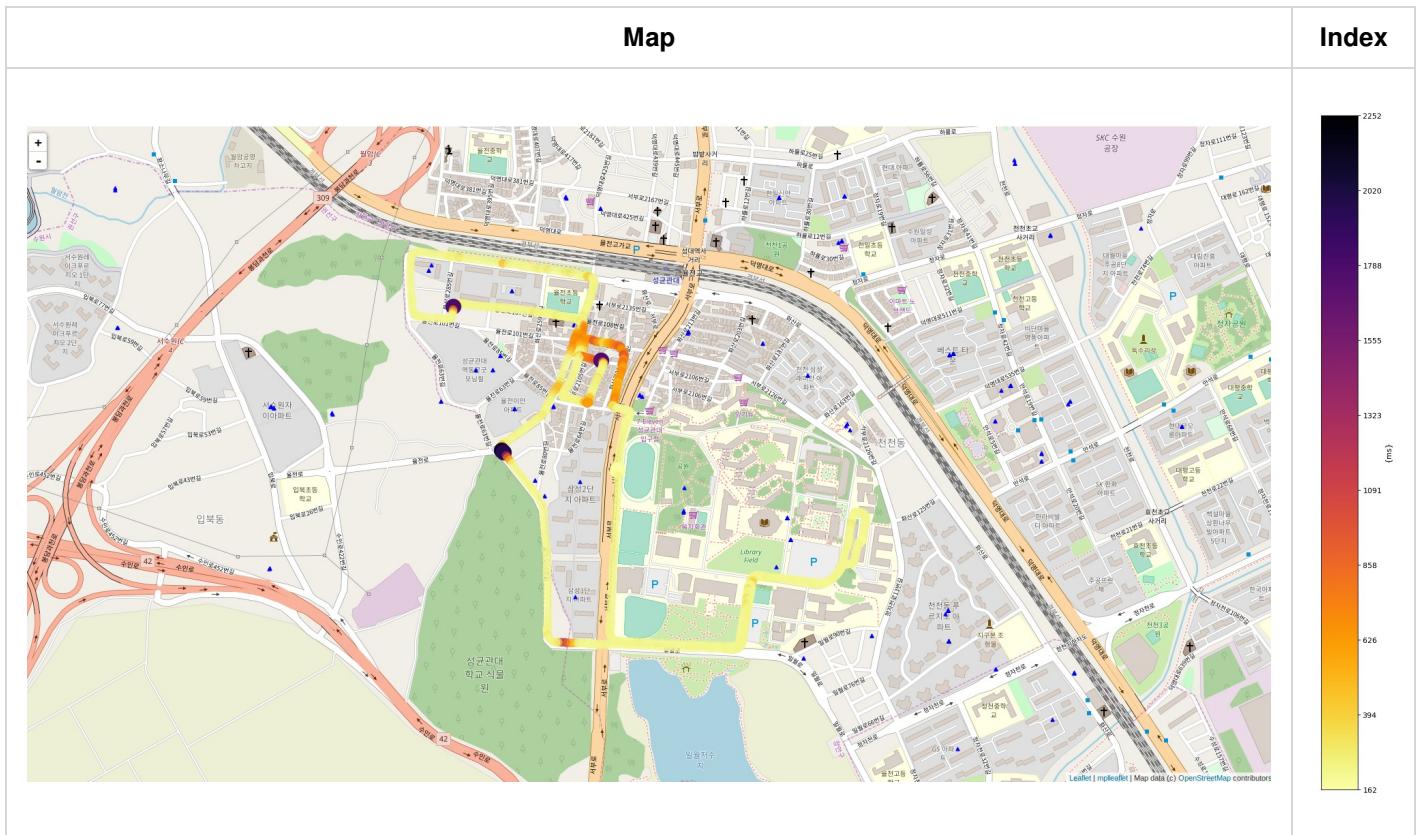
## Total Latency Camera 1



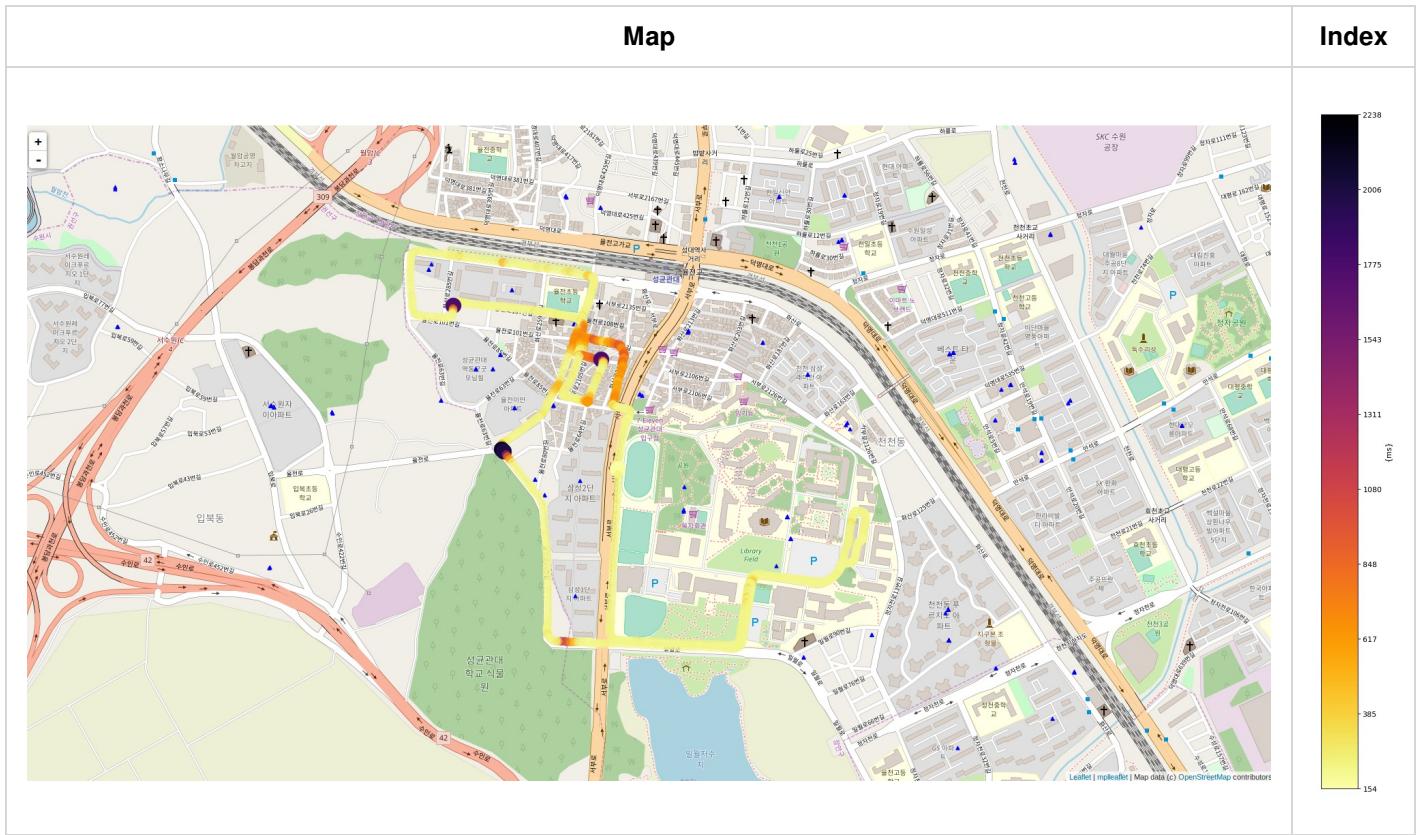
## Total Latency Camera 2



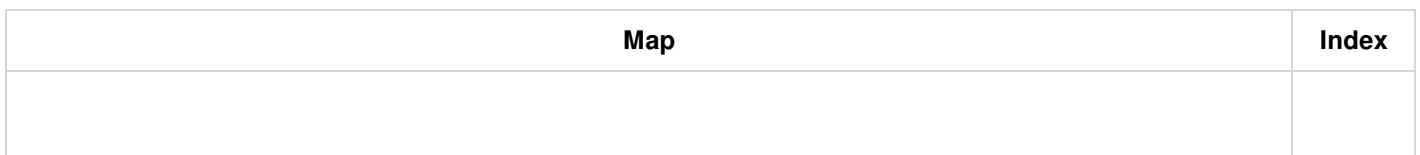
## Total Latency Camera 3

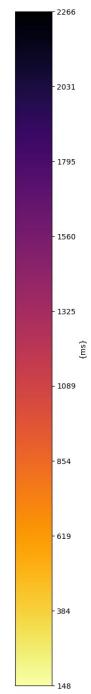
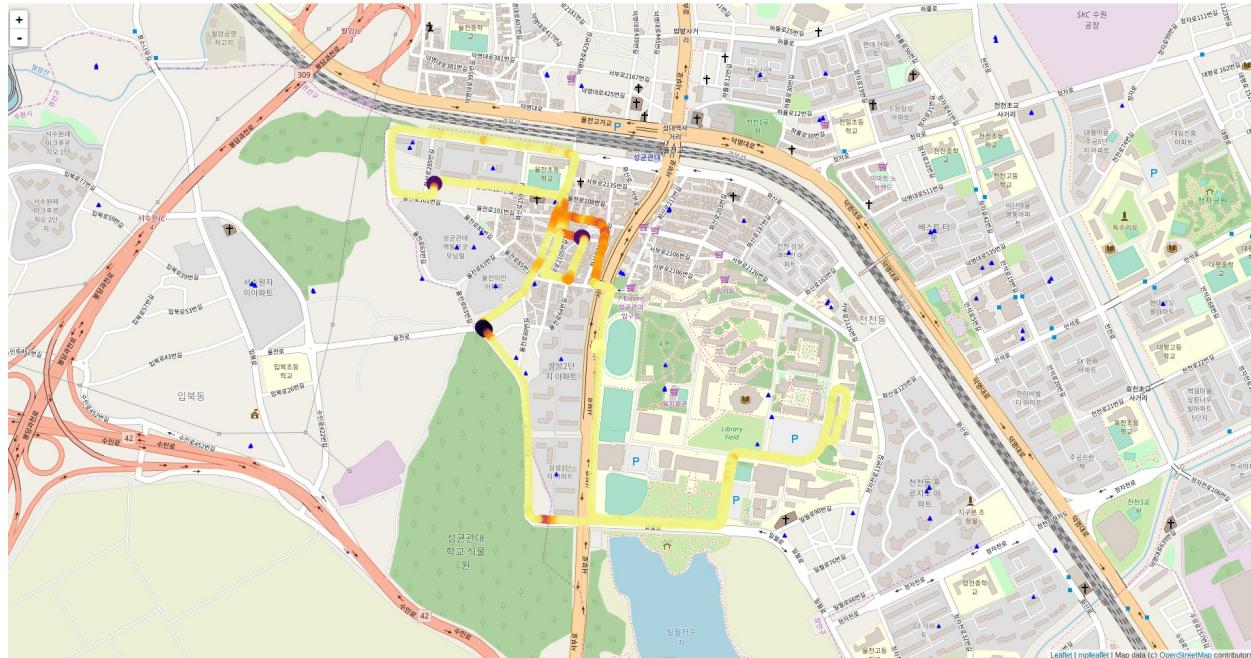


## Total Latency Camera 4

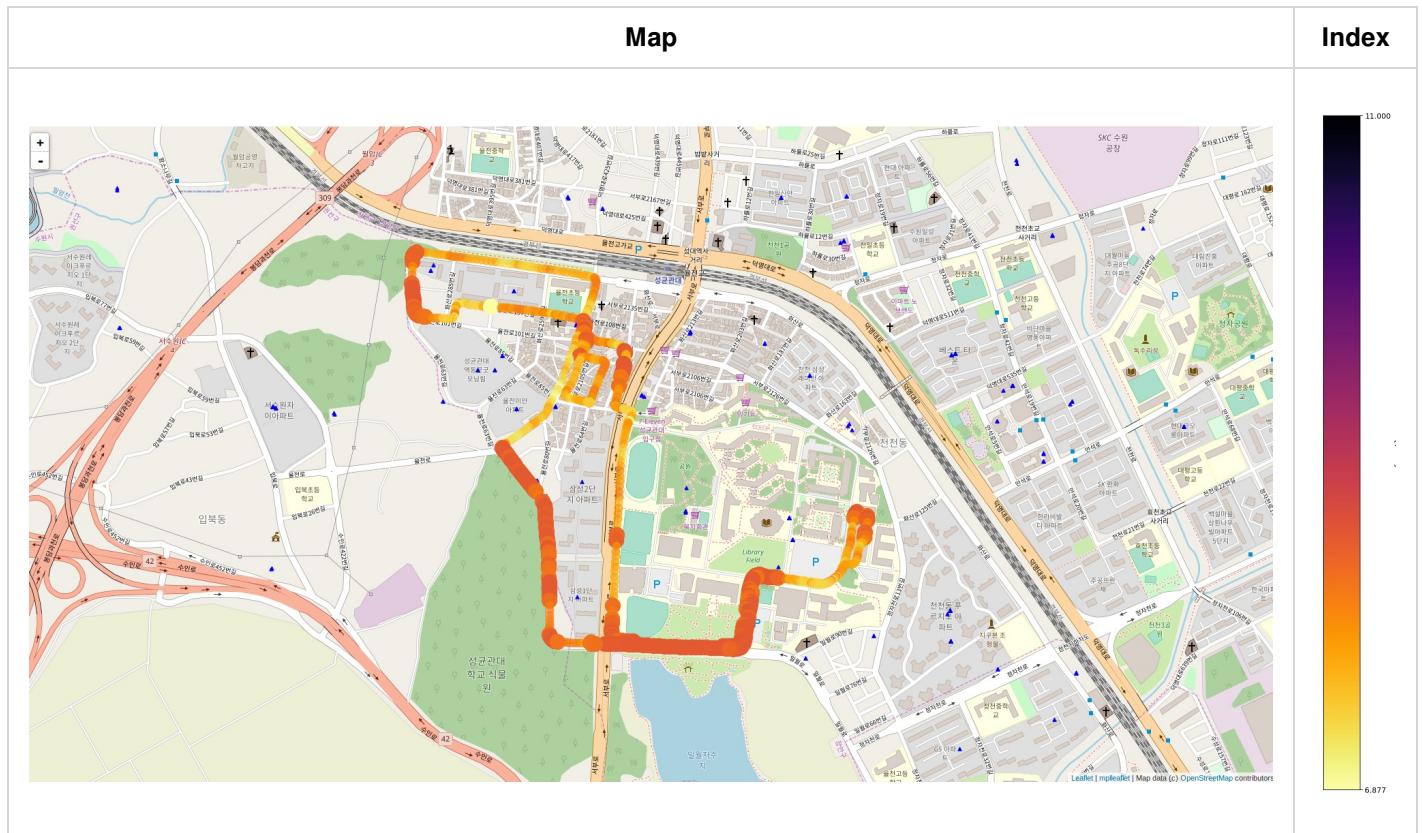


## Total Latency Camera 5

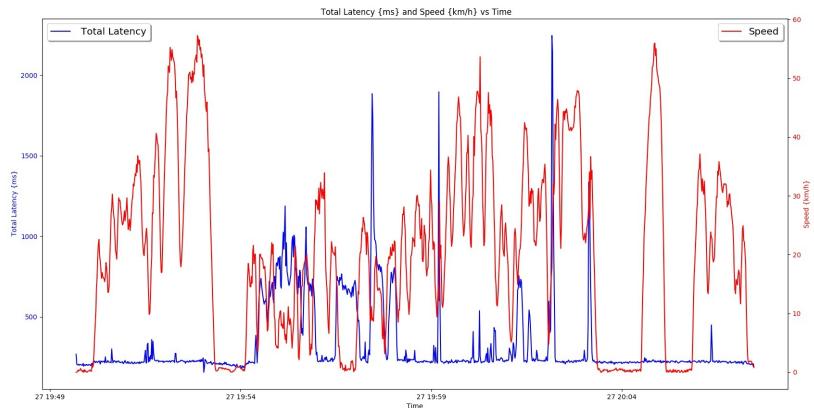




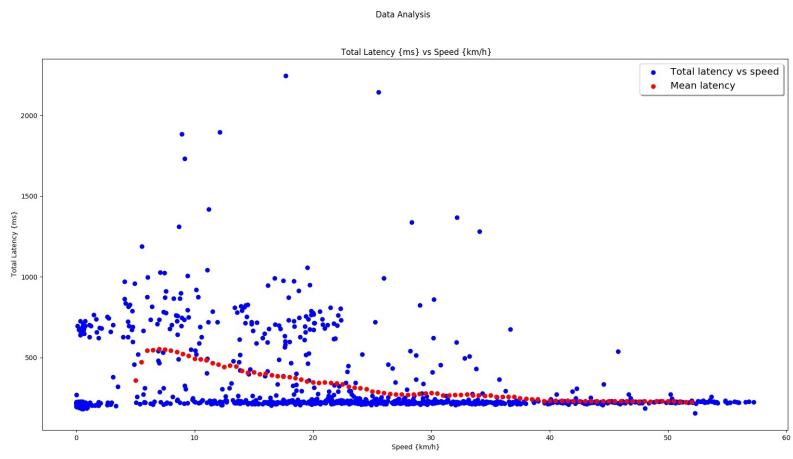
# GPS Satellite Count Map



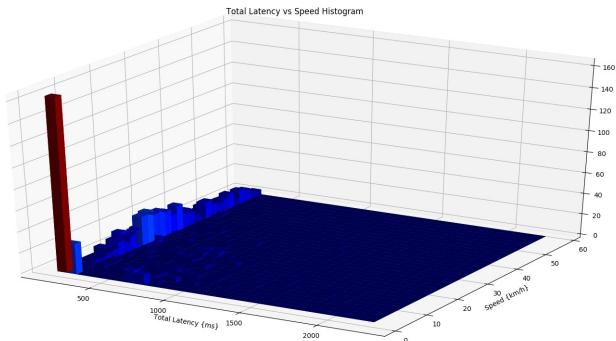
# Total Latency, Speed vs Time



## ### Total Latency vs Speed



## ### Total Latency vs Speed Histogram



# Total Latency vs Antennas inside various radii

