Confidence

I.   NC

Eye 0

NC Confidence across events onsets - Eye 0

Distribution

Distribution – first 100

Eye 1

NC Confidence across events onsets - Eye 1

Distribution

Distribution – first 100

II.   VT

Eye 0
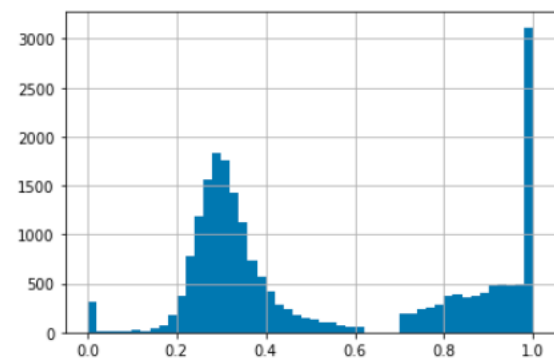
VT Confidence across events onsets - Eye 0
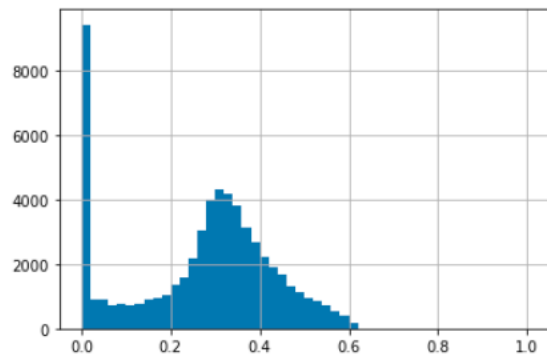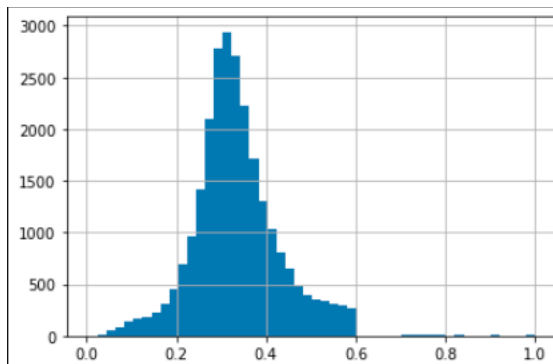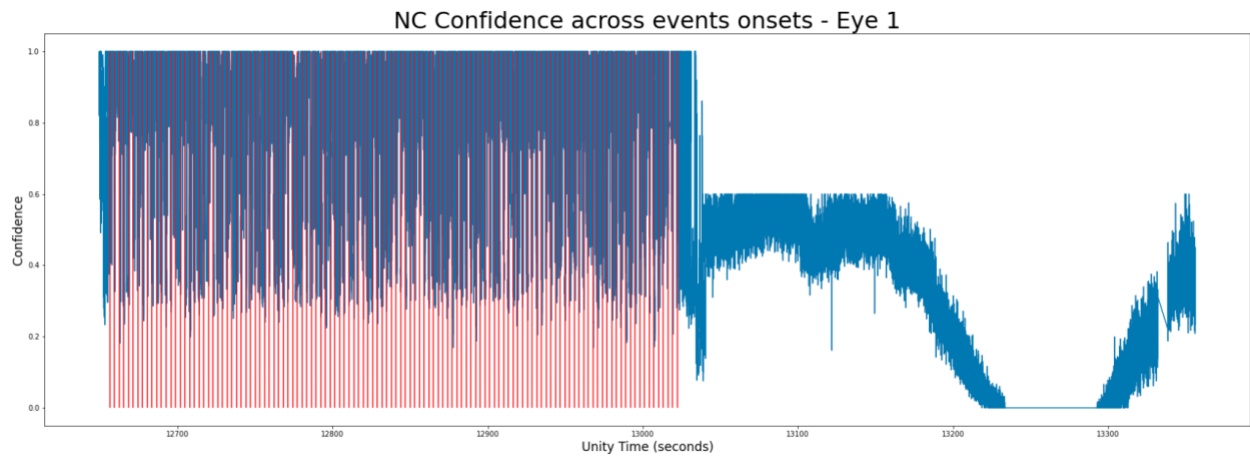
Distribution

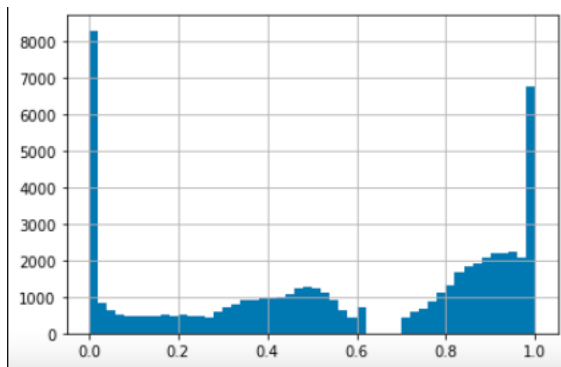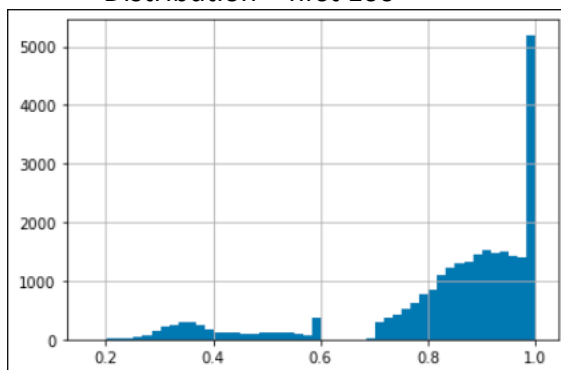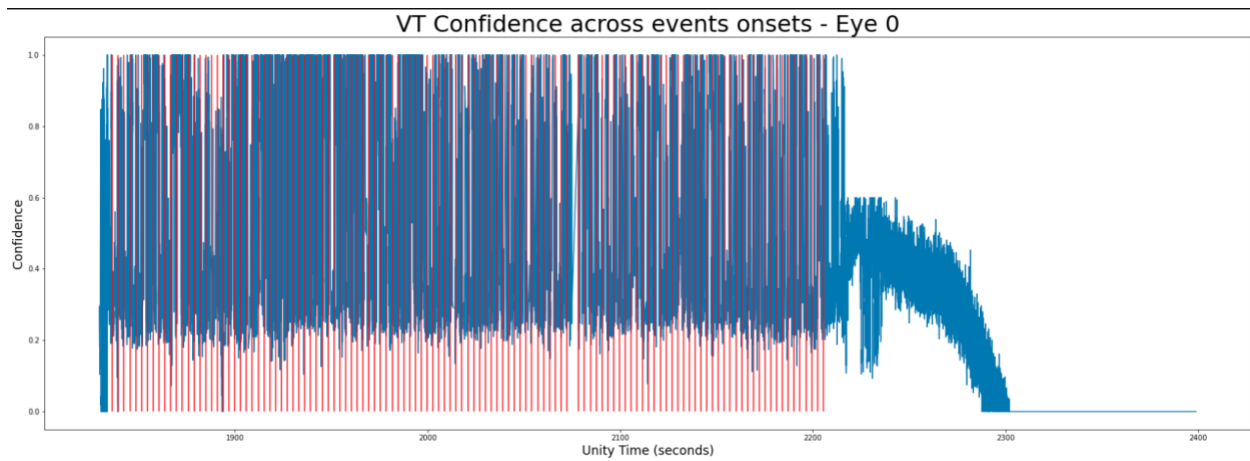Distribution – first 100

Eye 1

Distribution

Distribution – first 100
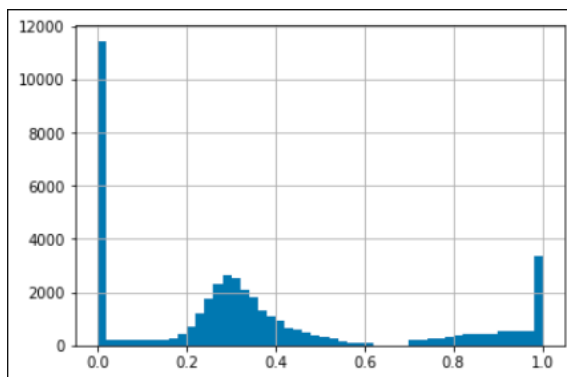

a

III.   TL

Eye 0

TL Confidence across events onsets - Eye 0

Distribution

Distribution – first 100

Eye 1

TL Confidence across events onsets - Eye 1
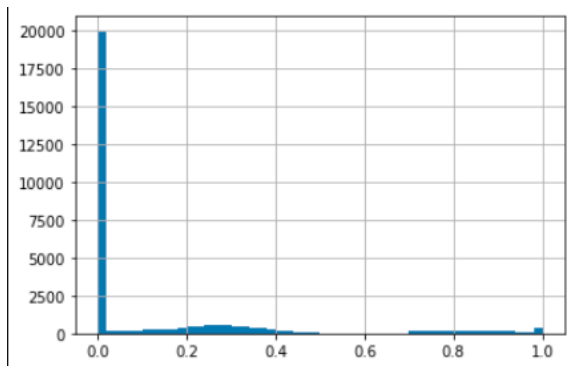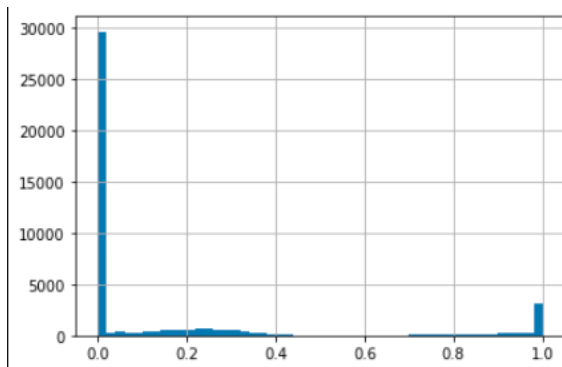
Distribution

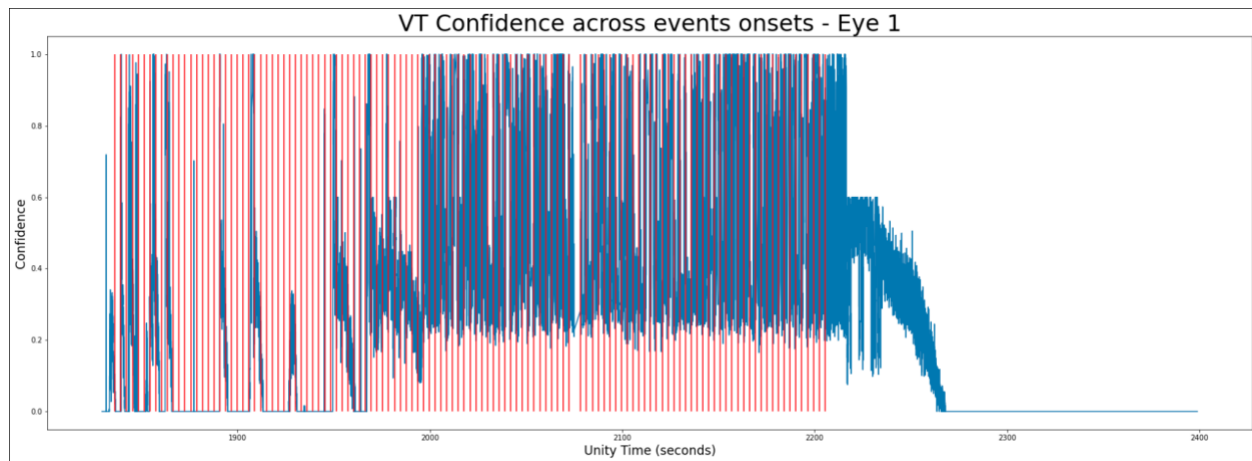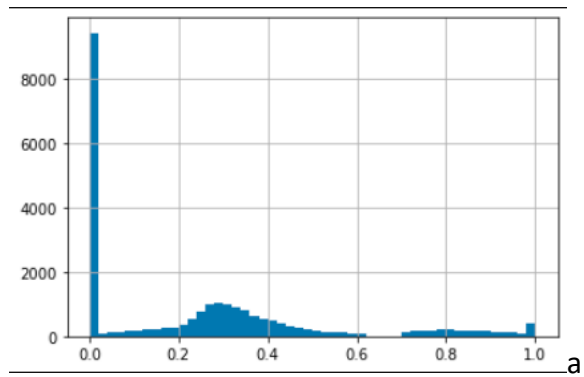Distribution – first 100

IV.   NH

Eye 0

NH Confidence across events onsets - Eye 0
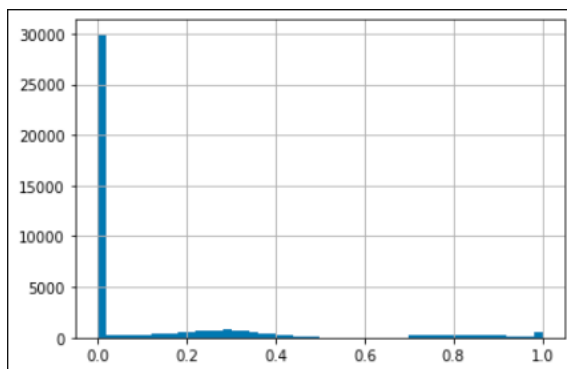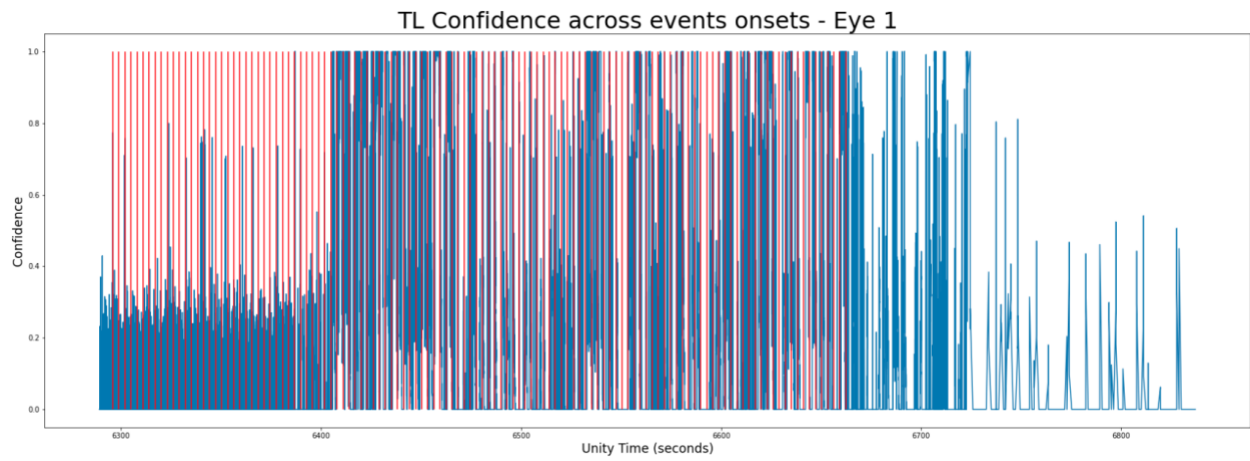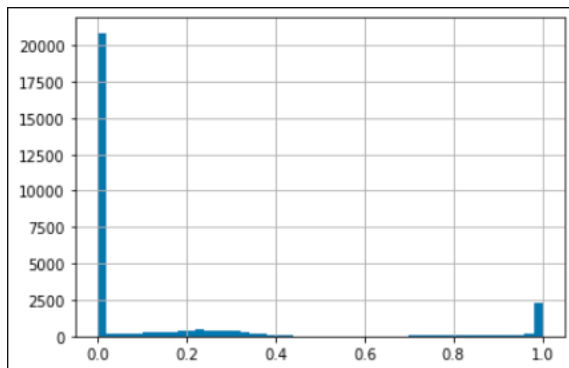
Distribution

Distribution – first 100

Eye 1

NH Confidence across events onsets - Eye 1
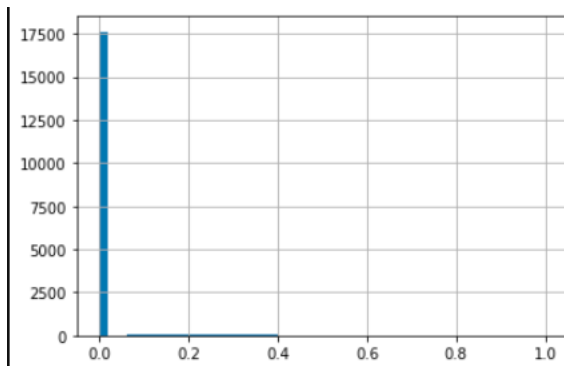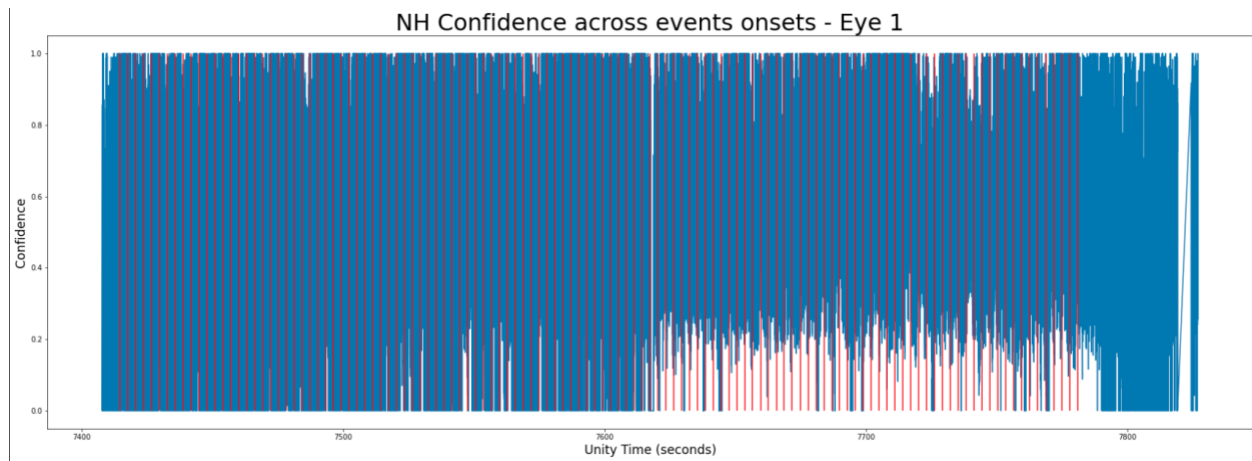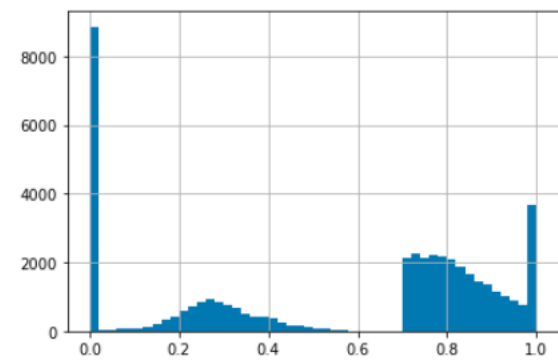
Distribution

Distribution – first 100
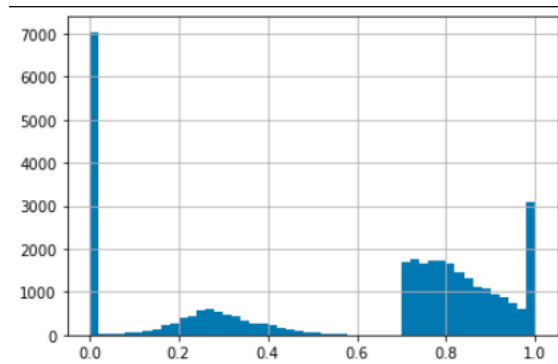
Eye selection by median:

{'OA': 1, 'SG': 1, 'NC': 1, 'VT': 0, 'TL': 0, 'NH': 1}

Eye 0 vs Eye 1 confidence distribution (histograms depicted above)

NC –

```
gaze_dict['NC'][0]['confidence'].describe()

count    59195.000000
mean         0.269900
std          0.163455
min          0.000000
25%          0.153917
50%          0.301852
75%          0.378938
max          1.000000
Name: confidence, dtype: float64

gaze_dict['NC'][1]['confidence'].describe()

count    58537.000000
mean         0.567043
std          0.360275
min          0.000000
25%          0.260232
50%          0.575595
75%          0.907781
max          1.000000
Name: confidence, dtype: float64
```

First 100

```
gaze_dict['NC'][0][gaze_dict['NC'][0]['unity_time']< nc_events[100]]['confidence'].describe()

count    25461.000000
mean         0.335158
std          0.097872
min          0.004766
25%          0.280021
50%          0.324640
75%          0.381994
max          1.000000
Name: confidence, dtype: float64

gaze_dict['NC'][1][gaze_dict['NC'][1]['unity_time']< nc_events[100]]['confidence'].describe()

count    26064.000000
mean         0.841500
std          0.181030
min          0.168763
25%          0.804981
50%          0.894800
75%          0.967713
max          1.000000
Name: confidence, dtype: float64
```

VT –

```
gaze_dict['VT'][0]['confidence'].describe()

count    44008.000000
mean         0.353810
std          0.322276
min          0.000000
25%          0.000000
50%          0.298590
75%          0.452683
max          1.000000
Name: confidence, dtype: float64
```

```
gaze_dict['VT'][1]['confidence'].describe()

count    45613.000000
mean         0.202365
std          0.272639
min          0.000000
25%          0.000000
50%          0.000000
75%          0.330240
max          1.000000
Name: confidence, dtype: float64
```

First 100

```
gaze_dict['VT'][0][gaze_dict['VT'][0]['unity_time']< vt_events[100]]['confidence'].describe()

count    21964.000000
mean         0.534599
std          0.304803
min          0.000000
25%          0.289876
50%          0.365588
75%          0.878629
max          1.000000
Name: confidence, dtype: float64
```

```
gaze_dict['VT'][1][gaze_dict['VT'][1]['unity_time']< vt_events[100]]['confidence'].describe()

count    23680.000000
mean         0.248845
std          0.274754
min          0.000000
25%          0.000000
50%          0.235618
75%          0.367225
max          1.000000
Name: confidence, dtype: float64
```

TL –

```
gaze_dict['TL'][0]['confidence'].describe()

count    43501.000000
mean         0.126645
std          0.244475
min          0.000000
25%          0.000000
50%          0.000000
75%          0.189085
max          1.000000
Name: confidence, dtype: float64
```

```
gaze_dict['TL'][1]['confidence'].describe()

count    43138.000000
mean         0.153720
std          0.305500
min          0.000000
25%          0.000000
50%          0.000000
75%          0.169242
max          1.000000
Name: confidence, dtype: float64
```

First 100

```
gaze_dict['TL'][0][gaze_dict['TL'][0]['unity_time']< tl_events[100]]['confidence'].describe()

count    30012.000000
mean         0.137707
std          0.253937
min          0.000000
25%          0.000000
50%          0.000000
75%          0.215795
max          1.000000
Name: confidence, dtype: float64
```

```
gaze_dict['TL'][1][gaze_dict['TL'][1]['unity_time']< tl_events[100]]['confidence'].describe()

count    30145.000000
mean         0.152087
std          0.306014
min          0.000000
25%          0.000000
50%          0.000000
75%          0.161162
max          1.000000
Name: confidence, dtype: float64
```

NH –

```
gaze_dict['NH'][0]['confidence'].describe()

count    29834.000000
mean         0.025096
std          0.110089
min          0.000000
25%          0.000000
50%          0.000000
75%          0.000000
max          1.000000
Name: confidence, dtype: float64
```

```
gaze_dict['NH'][1]['confidence'].describe()

count    45128.000000
mean         0.560805
std          0.361310
min          0.000000
25%          0.231755
50%          0.739210
75%          0.848295
max          1.000000
Name: confidence, dtype: float64
```
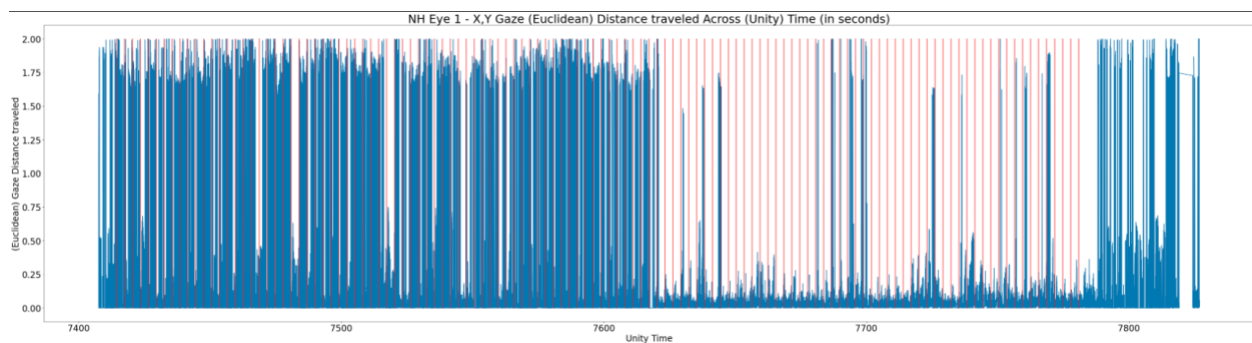
First 100

```
gaze_dict['NH'][0][gaze_dict['NH'][0]['unity_time']< nh_events[100]]['confidence'].describe()

count    18848.000000
mean         0.017907
std          0.082430
min          0.000000
25%          0.000000
50%          0.000000
75%          0.000000
max          1.000000
Name: confidence, dtype: float64
```
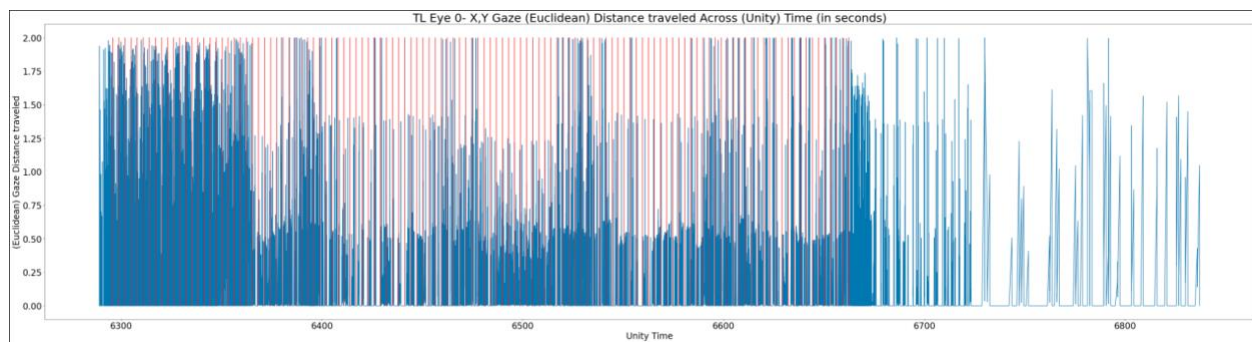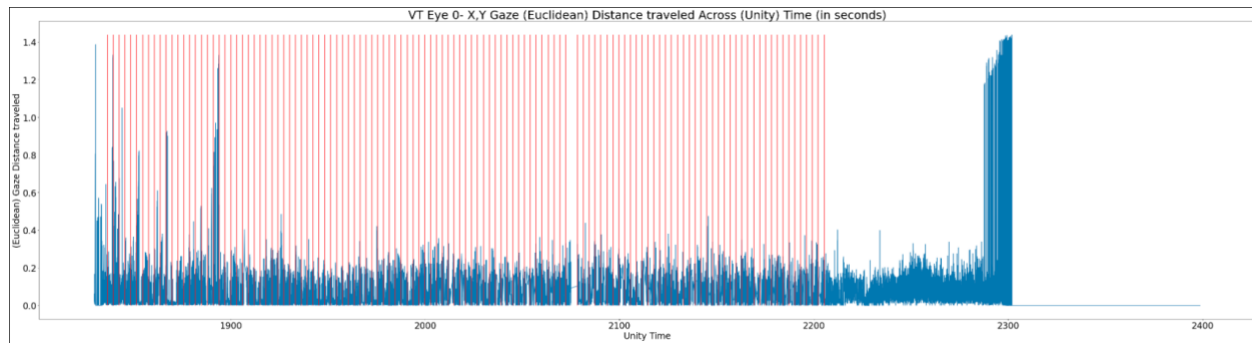
```
gaze_dict['NH'][1][gaze_dict['NH'][1]['unity_time']< nh_events[100]]['confidence'].describe()

count    34464.000000
mean         0.573669
std          0.365208
min          0.000000
25%          0.231058
50%          0.748413
75%          0.857165
max          1.000000
Name: confidence, dtype: float64
```
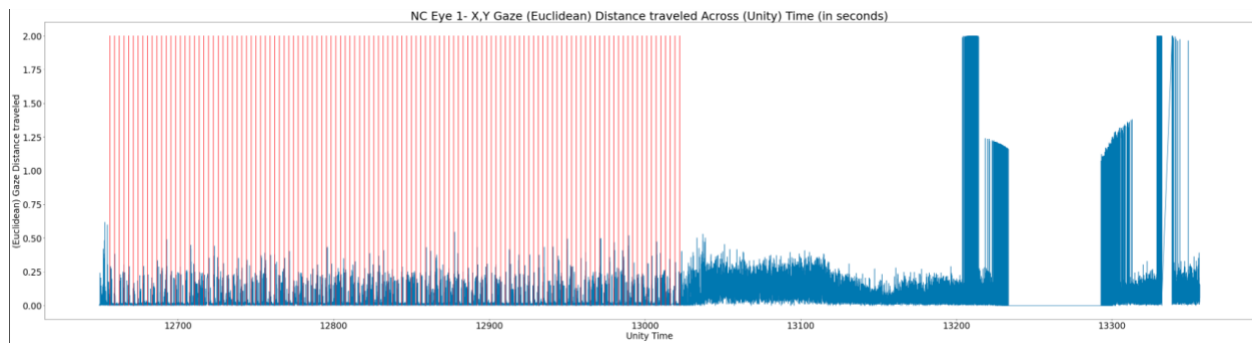
<u>Distances</u>

NC Eye 1- X,Y Gaze (Euclidean) Distance traveled Across (Unity) Time (in seconds)

VT Eye 0- X,Y Gaze (Euclidean) Distance traveled Across (Unity) Time (in seconds)

TL Eye 0- X,Y Gaze (Euclidean) Distance traveled Across (Unity) Time (in seconds)

NH Eye 1 - X,Y Gaze (Euclidean) Distance traveled Across (Unity) Time (in seconds)

Events intervals (in seconds)

    I.   NC (122 events)
         a. First 100 –

```
nc_eventsIntervals_series.describe()

count    100.000000
mean       3.025336
std        0.008105
min        3.010803
25%        3.020324
50%        3.025250
75%        3.028834
max        3.056953
```

II.   VT (122 events)
    a. First 100 –

```
vt_eventsIntervals_series.describe()

count    100.000000
mean       3.054588
std        0.308505
min        3.000931
25%        3.017844
50%        3.023710
75%        3.028799
max        6.107840
```

Anomalous event –

78   6.10784 seconds

III.   TL (122 events)
    a. First 100 –

```
tl_eventsIntervals_series.describe()

count    100.000000
mean       3.029730
std        0.022901
min        3.005629
25%        3.019760
50%        3.025241
75%        3.033030
max        3.196306
```

IV.   NH (122 events)
    a. First 100 –

```
nh_eventsIntervals_series.describe()

count    100.000000
mean       3.026375
std        0.007636
min        3.008551
25%        3.022113
50%        3.026814
75%        3.028910
max        3.049898
```