TEAM ONE

WEEK 15:

LANE FOLLOWING IN SIMULATION & DIFFERENCE CHARTS

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LANE FOLLOWER

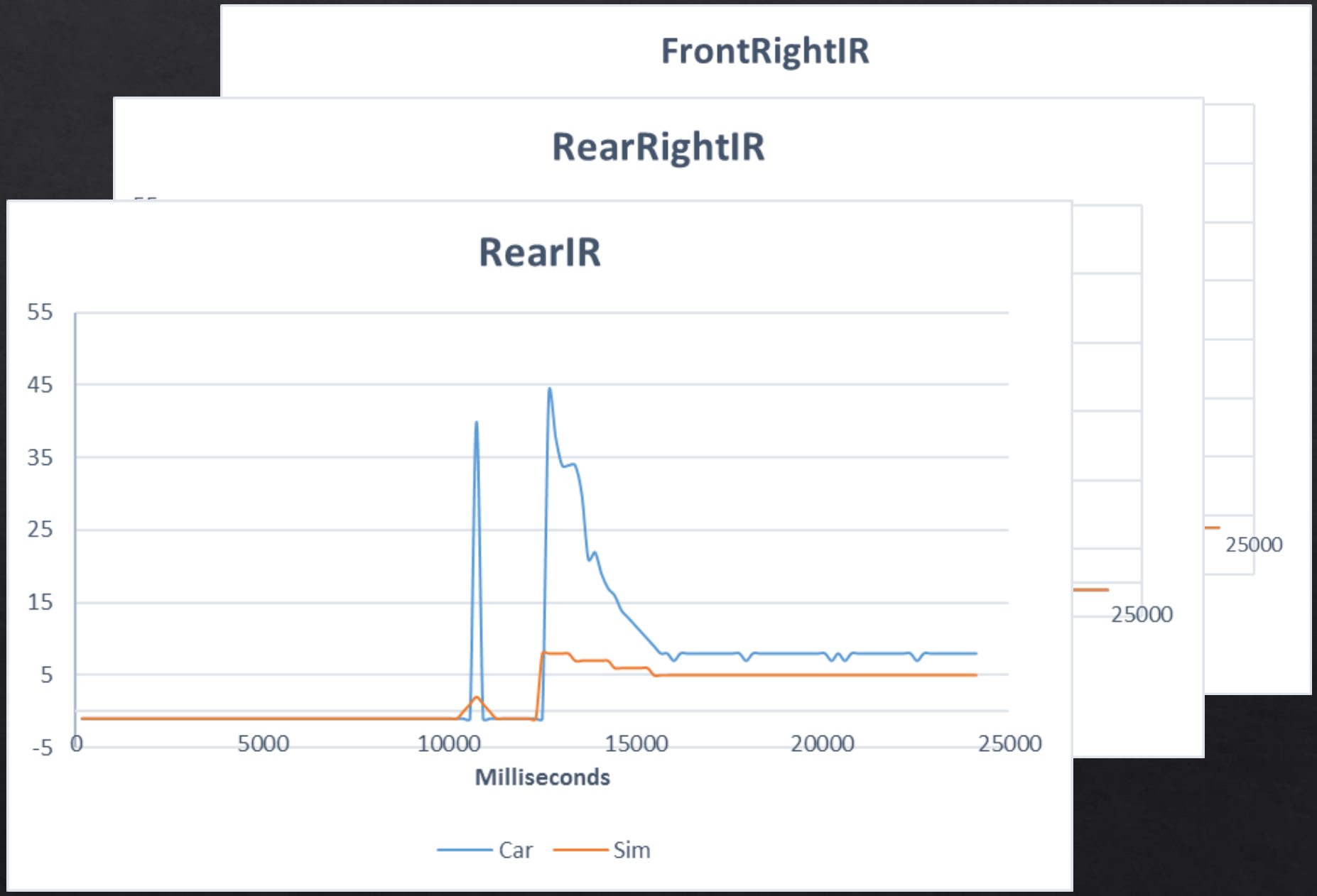
CPPCHECK AND SCAN-BUILD GIVE NO OUTPUT!

PMCCABE

```
Modified McCabe Cyclomatic Complexity
|   Traditional McCabe Cyclomatic Complexity
|       |    # Statements in function
|       |         |   First line of function
|       |         |       |   # lines in function
|       |         |       |       |  filename(definition line number):function
|       |         |       |       |           |
1       1       5       57      6       LaneDetector.cpp(57): automotive::miniature::LaneDetector::LaneDetector
1       1       0       64      1       LaneDetector.cpp(64): automotive::miniature::LaneDetector::~LaneDetector
2       2       3       66      9       LaneDetector.cpp(66): automotive::miniature::LaneDetector::setUp
3       3       4       76      10      LaneDetector.cpp(76): automotive::miniature::LaneDetector::tearDown
6       6       14      87      33      LaneDetector.cpp(87): automotive::miniature::LaneDetector::readSharedImage
11      11      58      122     103     LaneDetector.cpp(122): automotive::miniature::LaneDetector::processImage
5       5       14      228     54      LaneDetector.cpp(228): automotive::miniature::LaneDetector::body
29      29      99      n/a     285     Total
```

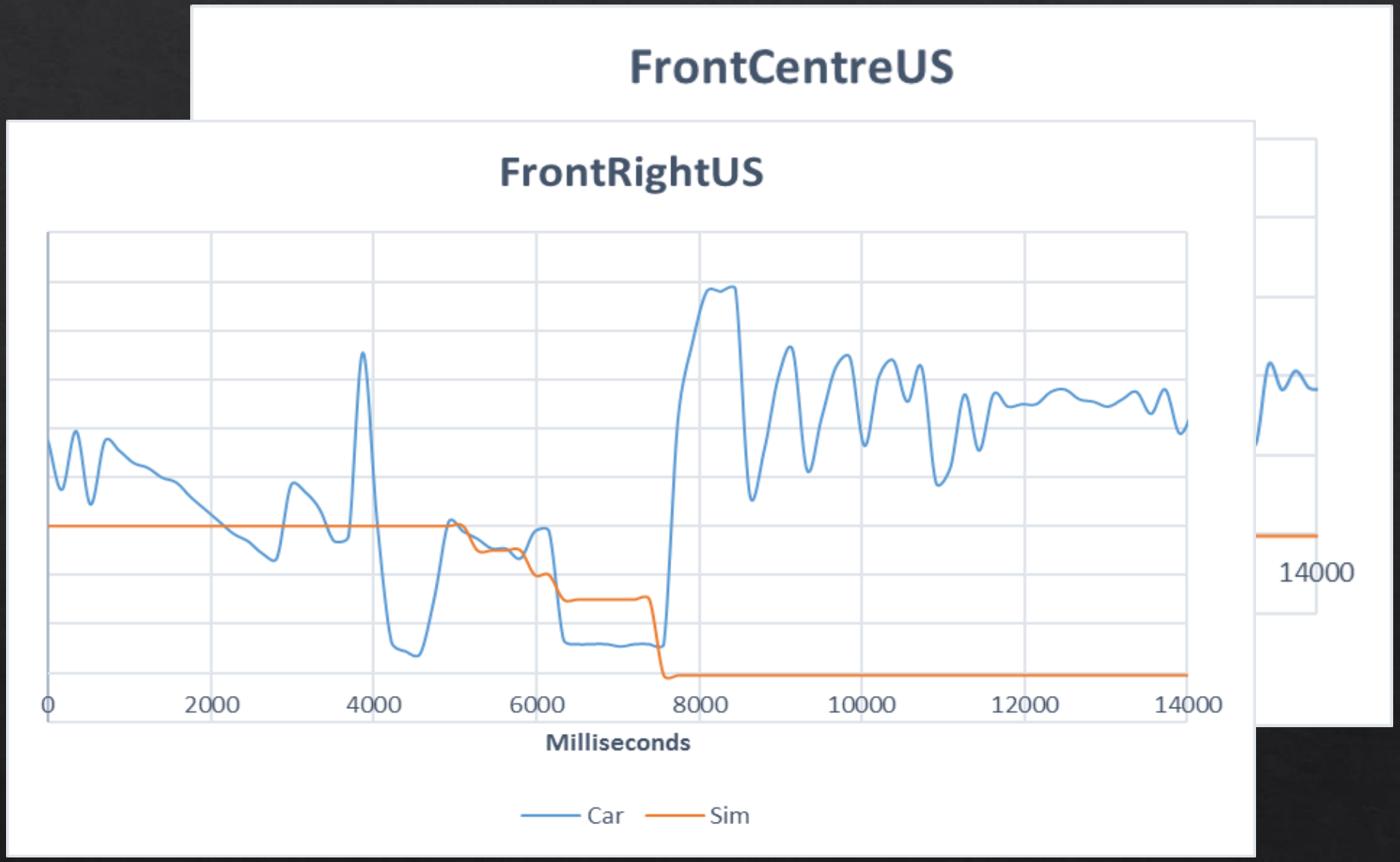
PARALLEL PARKING

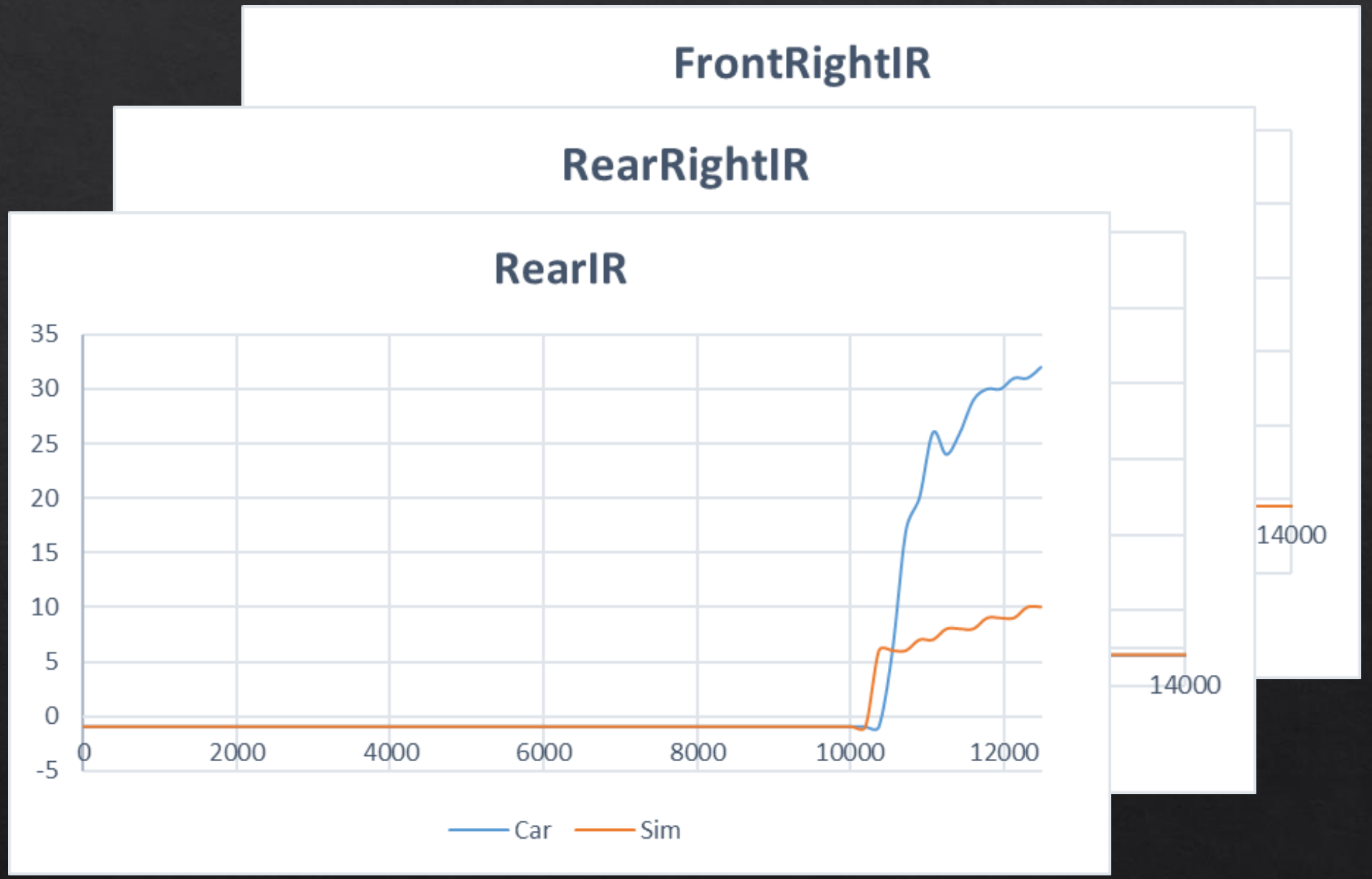
INFRARED SENSORS


FrontRightIR
RearRightIR
RearIR
55
45
35
25
15
5
-5
0
5000
10000
15000
20000
25000
Milliseconds
Car
Sim
25000
25000

OVERTAKING

ALL SENSORS


FrontCentreUS
FrontRightUS
0
2000
4000
6000
8000
10000
12000
14000
Milliseconds
Car
Sim
14000


FrontRightIR
RearRightIR
RearIR
35
30
25
20
15
10
5
0
-5
0
2000
4000
6000
8000
10000
12000
Car
Sim
14000
14000