Trip Matching - Part1

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```
source("telematic_util.R")
data.dir <- "c:/NO_BACKUP/kaggle/telematics/drivers"
drivers.dir <- dir(data.dir)</pre>
```

Manual Trip Matching

I've come to know driver 2591 fairly well, and was wondering if I could recognize his trip segments. I used the following code to scan through his trips 4 at a time:

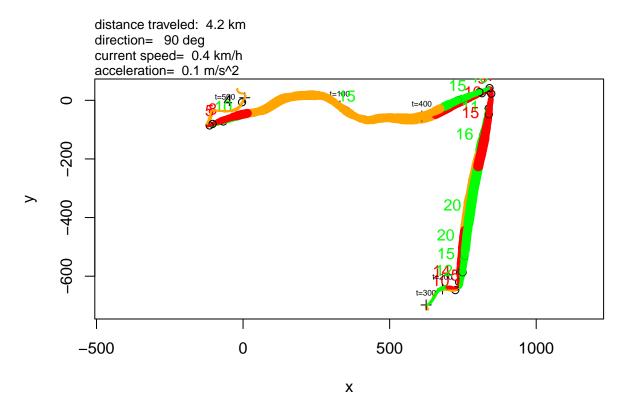
```
par(mfrow=c(2,2))
i=-3
driver.id=2591
... (repeat this lines)
i=i+4;for (j in 1:4) {print(i+j-1); plotTrip(getTrip(driver.id,i+j-1),header=F)}
```

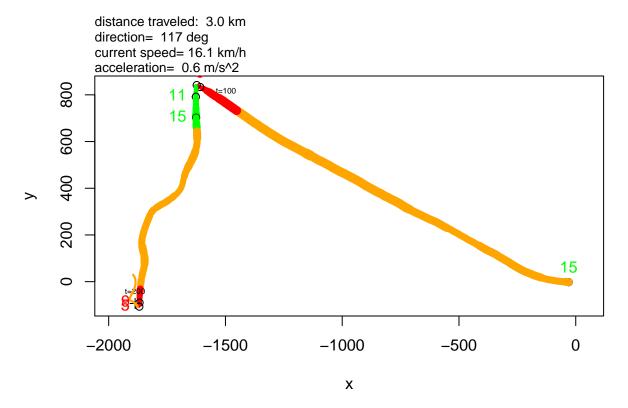
Here are the segments I identified as being similar (? marks less confidence): 10,11,16,37,40,43, 44,45, 47? ,49,53,54, 63?, 70,80?, 82, 104, 105?, 107, 111, 115, 117?, 123,130,131, 138, 140, 142?, 146, 154, 155, 157,162, 178,180?, 184?, 192, 198,200

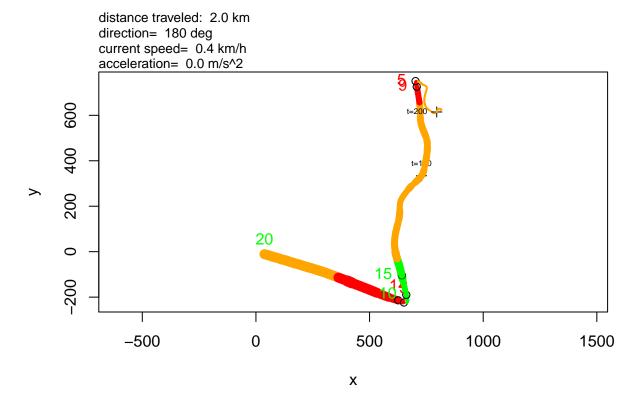
Here are the plots:

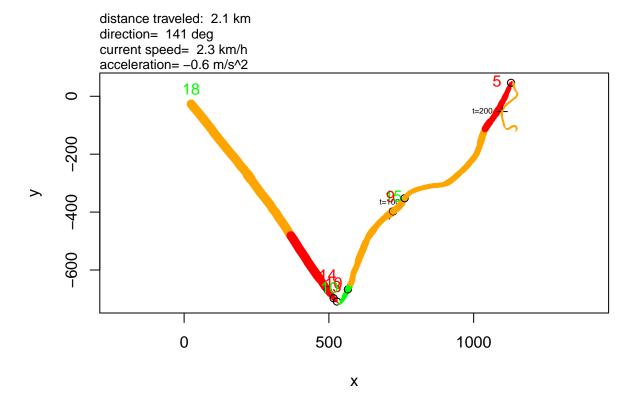
```
driver.id=2591
same.route <- c(10,11,16,37,40,43, 44,45, 47 ,49,53,54, 63, 70,80, 82, 104, 105, 107, 111, 115, 117, 12

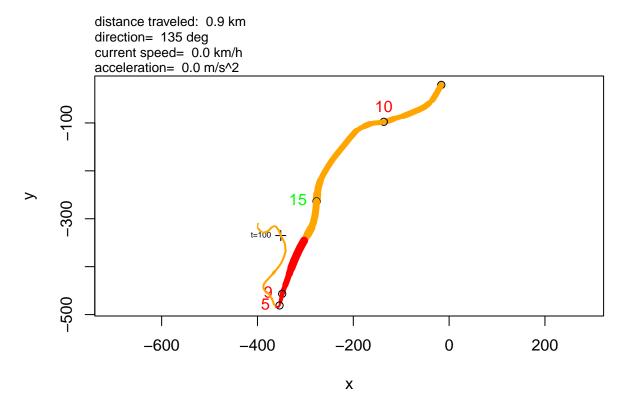
for (trip.id in same.route) {
    cat("driver", driver.id, "trip", trip.id)
    plotTrip(getTrip(driver.id, trip.id))
}</pre>
```

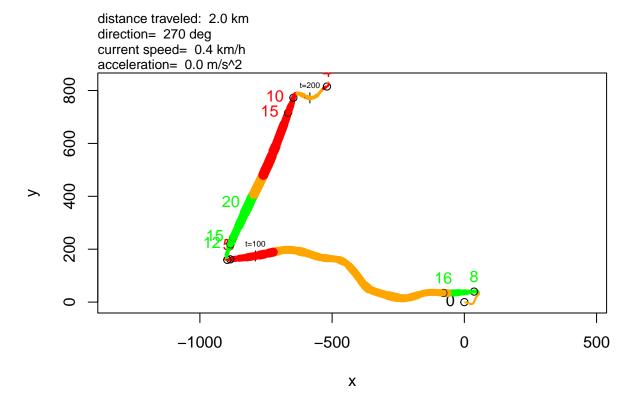


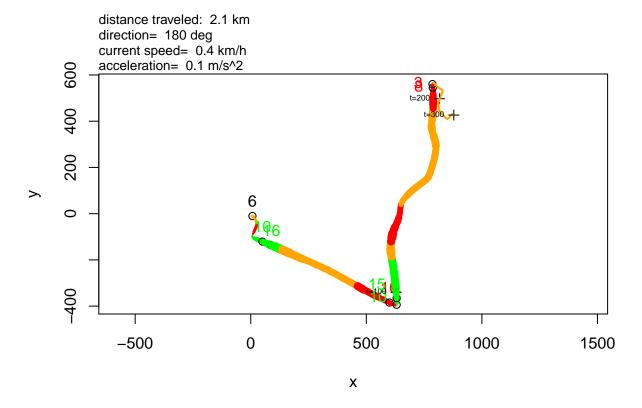


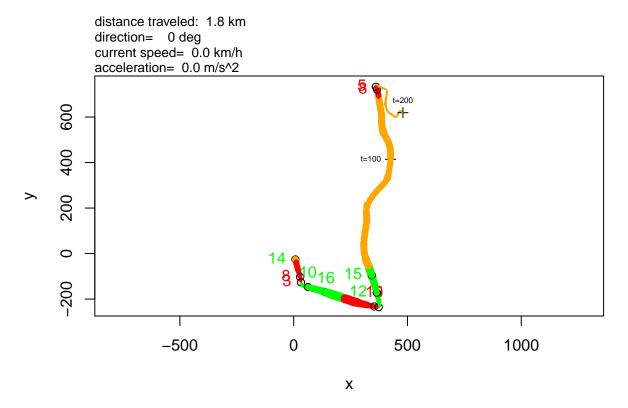


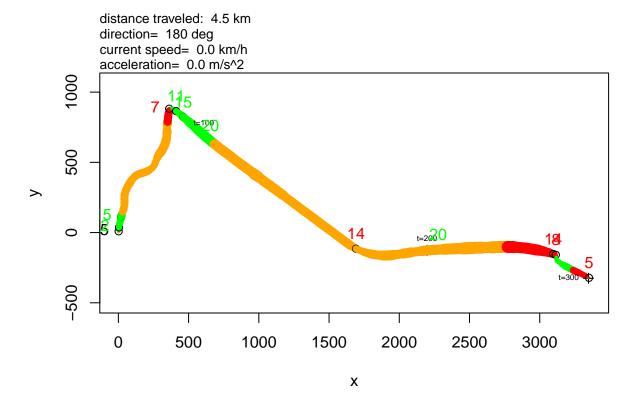


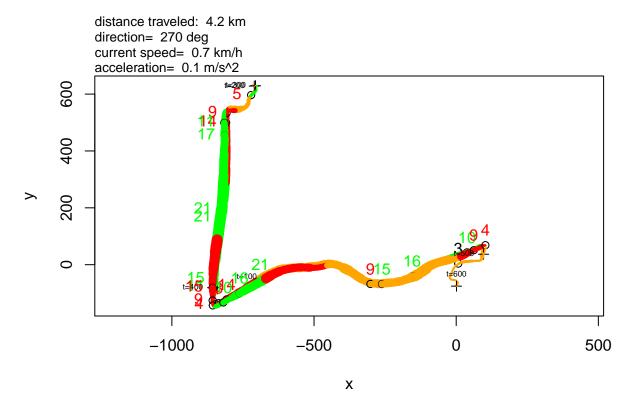


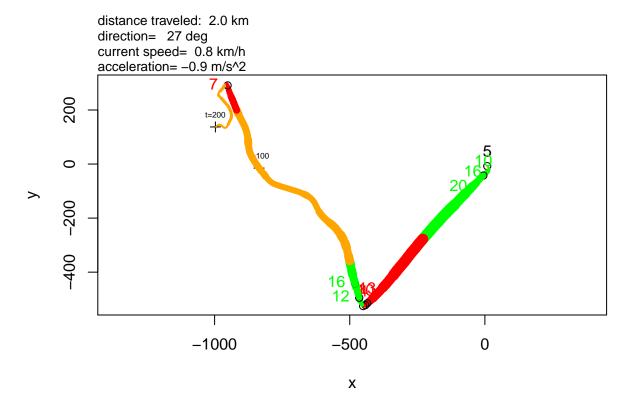


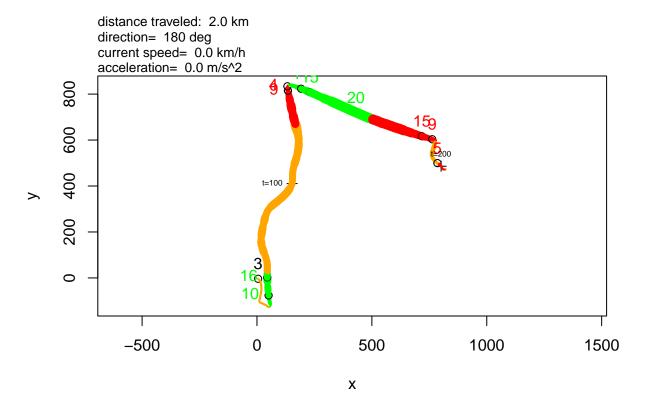


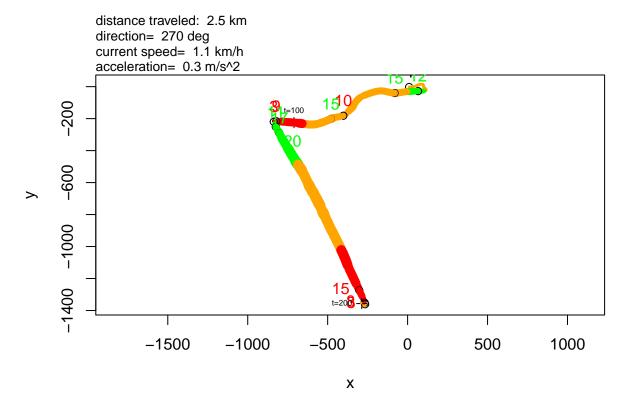


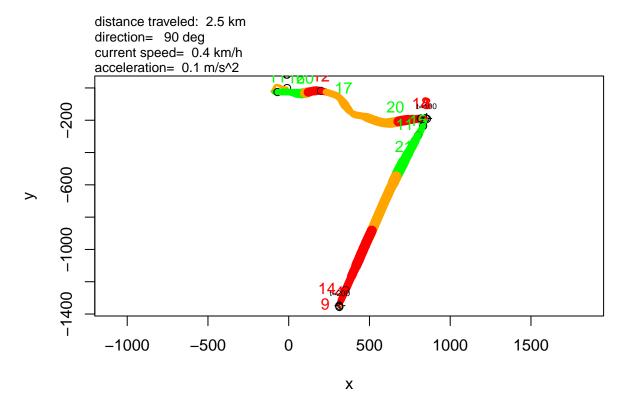


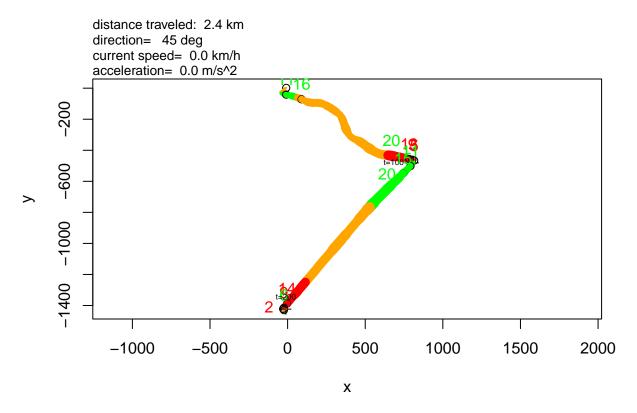


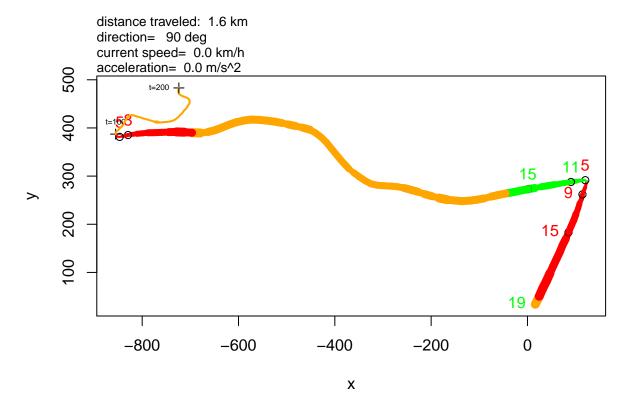


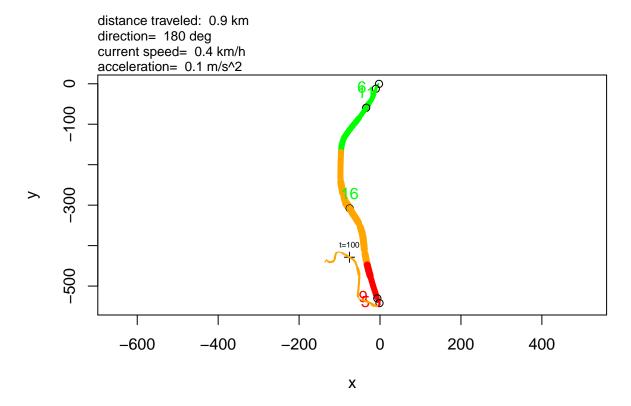


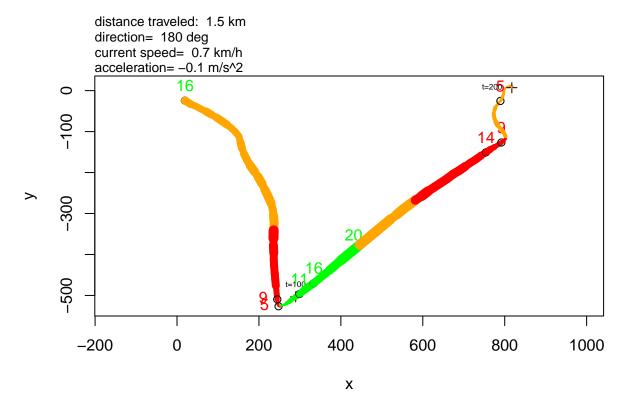


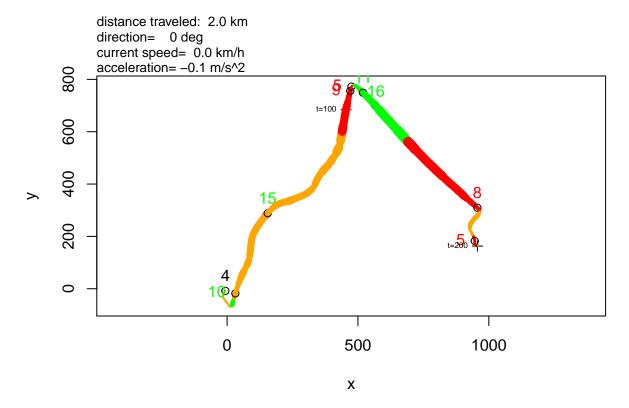


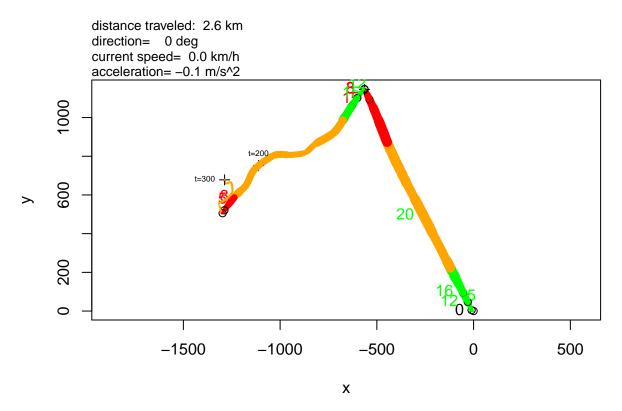


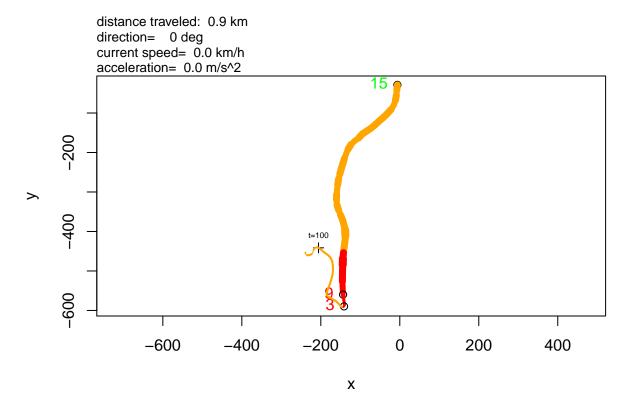


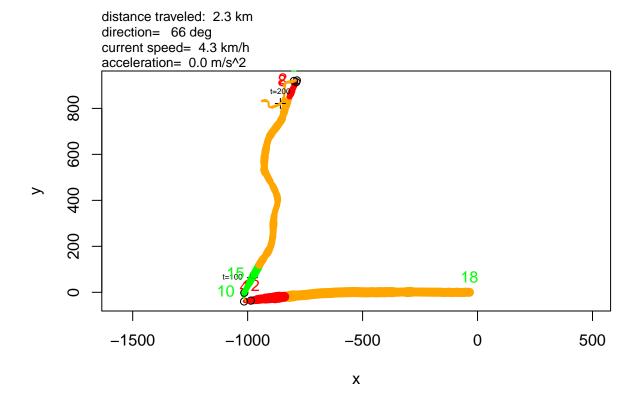


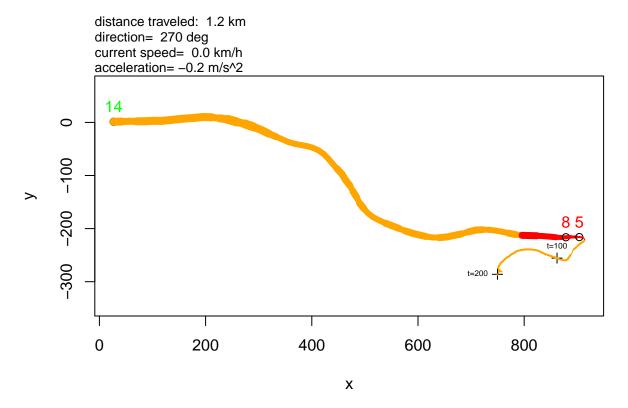


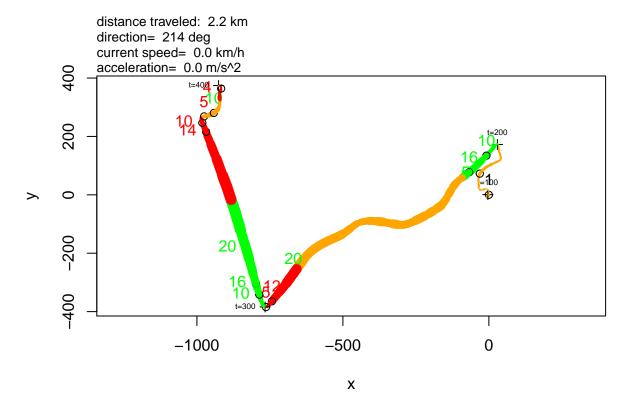


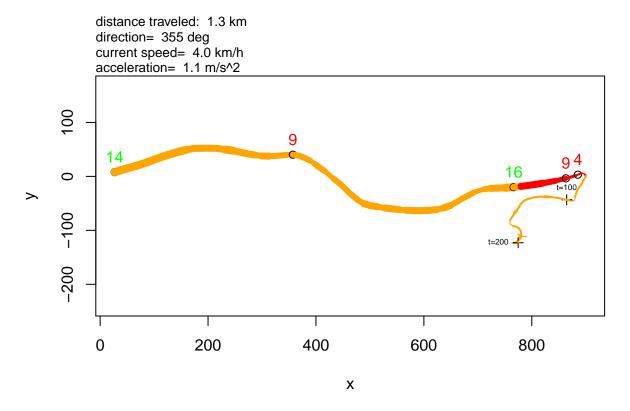


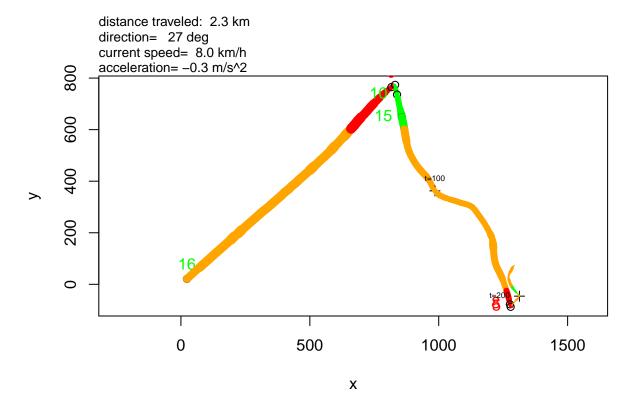


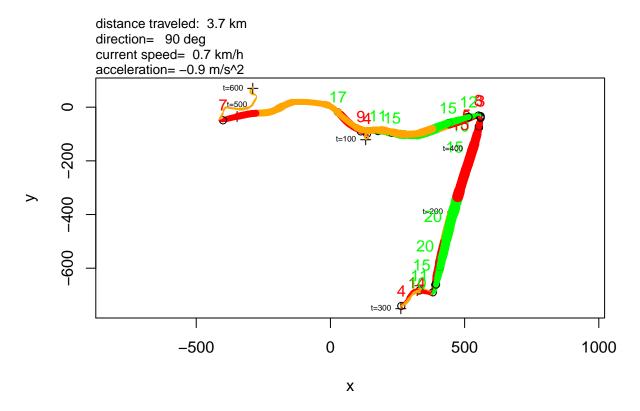


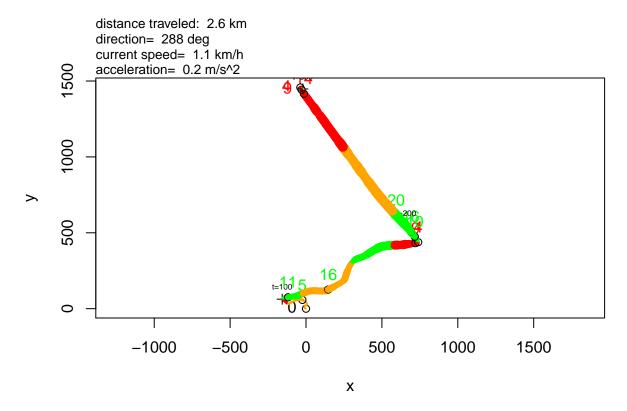


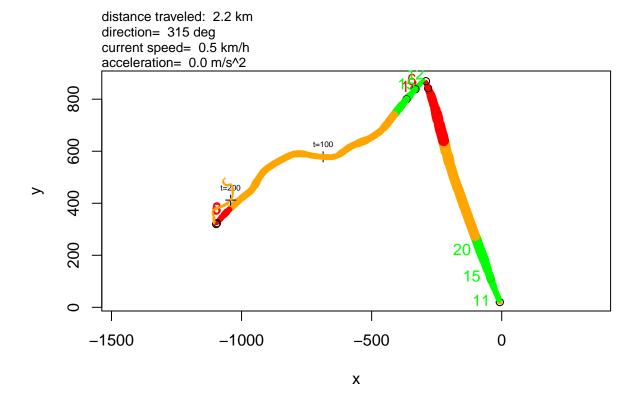


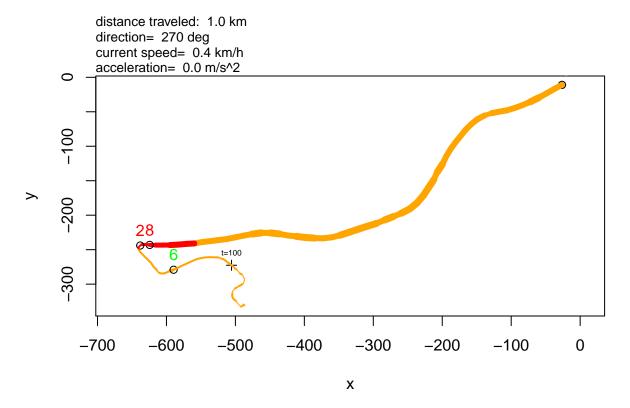


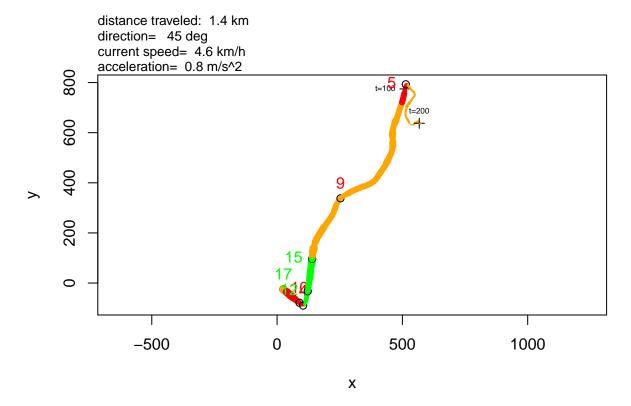


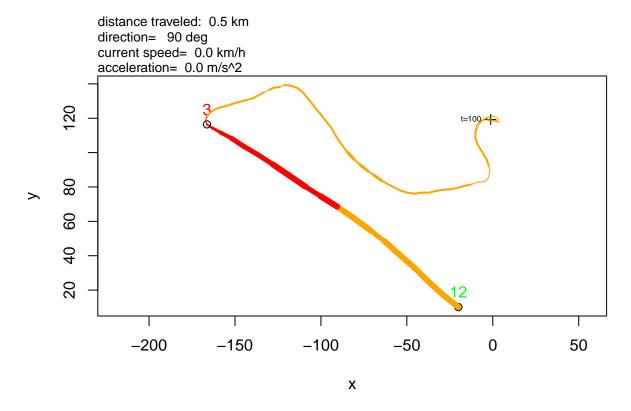


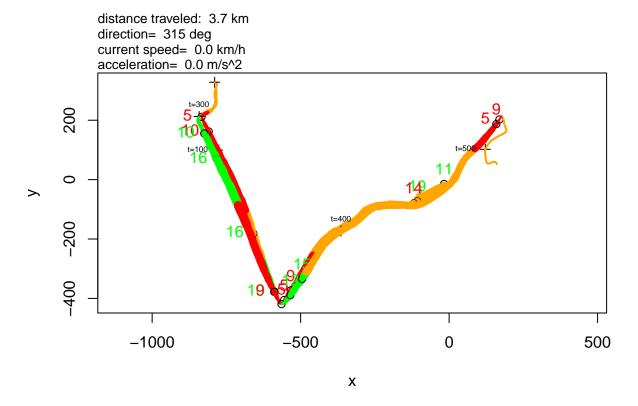


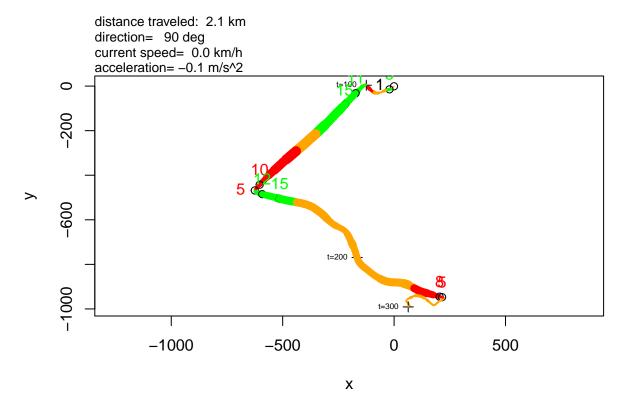


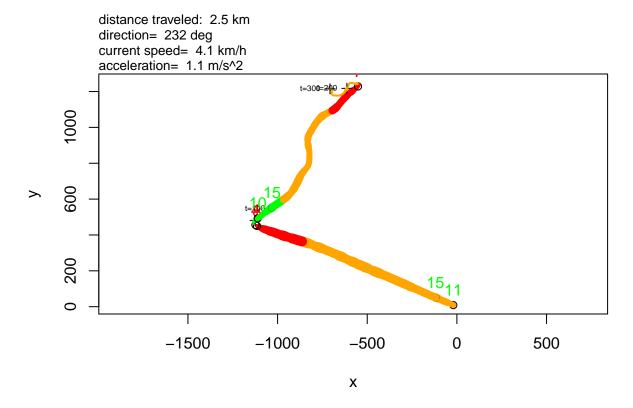


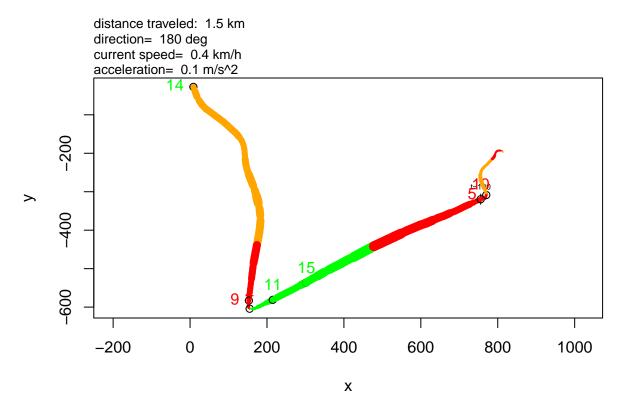


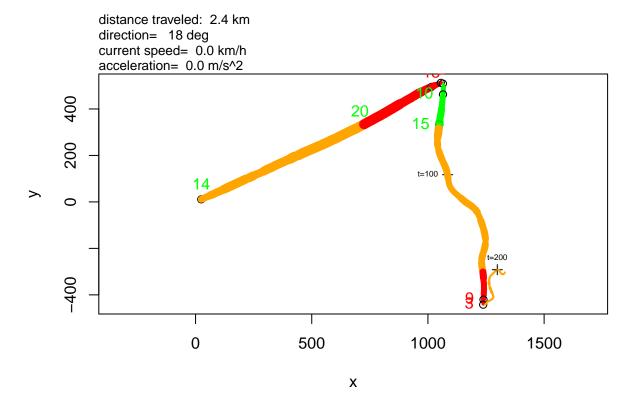


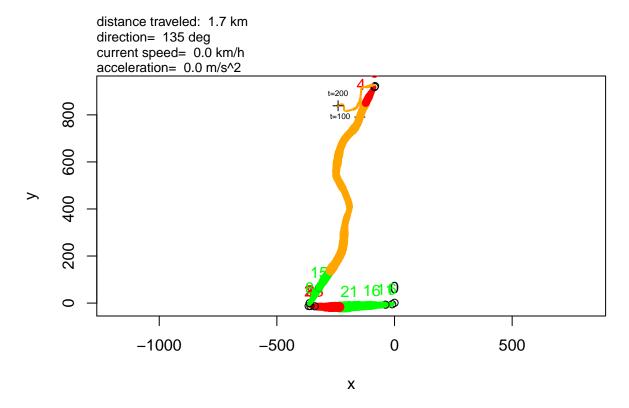


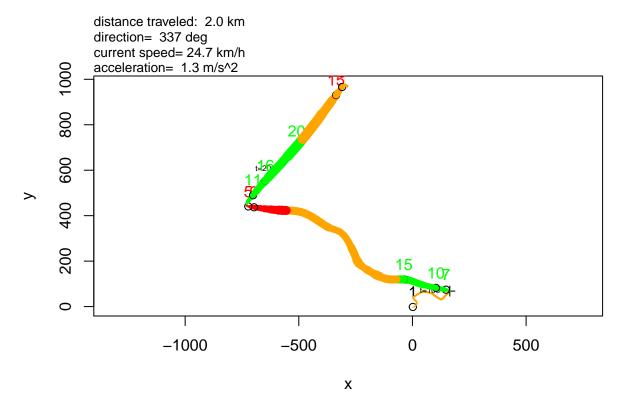












Next step . . . can we parameterize the routes to find these segments automagically?