## EV Data collection instructions

### Getting Started and Finishing

* Trip Start: The computer should be plugged in to the chords for data and charger and then the program launched. Collect the data with ignition off except for the range indicator data.
* Trip finish: This data is all collected with the ignition still on. The computer should be shut down & unplugged last (the computer screen will go to sleep and may need to be woke to collect temp data) The computer will need to be off and charged in a wall outlet

### Driving Trip Start

* Driver #: (1 - Merl) (2 - Mark) ( 3 - Steve) (4 - Tracy) (5 - Lee) (6 - Morgan) (7 - Alex) (8 - Allison) (9 - Derek) (10 - Chase) (11 - Zach) (12 - Darrell)
* Pre-trip - a walk around and check it was done (video if nec and send with file name to [mmayer@mhc.ab.ca](mailto:mmayer@mhc.ab.ca))
* Lighting options to use- Dim= dusk or dawn or mainly cloud (very little visible sun). Dark= dark. Sunny= mainly sunny (can be cloudy but bright).
* Temperatures- incar display for outside collected before key is on when drivers door is closed. Inside is collected off surface data (please round to closest .5)
* Road conditions- Clear= mainly clear. Blizzard= blizzard. Snowy= mainly snow covered. Frosty= frosty. Partly covered = partly snow, hard pack or icy
* Range indicator and odometer - displayed on dash (odometer is displayed with ignition off)
* Departure - You can set this so the car will be warm and ready when you leave (can be used off car battery or when plugged in) Driver 1 Set for only plugged in (this can only be accesed with ignition on)
* Driving modes - selected on the left side of the shifter plate - Settings can be: Normal, Eco and Eco+
* Notes: please feel free to leave any notes, feelings or whatever

### Driving Trip Finish

* Post-trip - a walk around and check it was done (video if nec and send with file name to [mmayer@mhc.ab.ca](mailto:mmayer@mhc.ab.ca))
* Temperatures- incar display for outside collected before key is on when drivers door is closed. Inside is collected off surface data (please round to closest .5)
* Blue Score also displayed on center infotainment screen
* Brake Mode is done with shifter movement 0= Pulled into drive D1,D2,D3= pull shifter to the side left or right to toggle between them B=pull shifter back
* Climate control used either Yes or No
* Road conditions:
  + City: Most speed limits observed under 70km/hr
  + Highway - Most speed limits observed over 70Km/hr
  + Combine if trip is fairly evenly mixed
* Notes: please indicate if you plug in here and feel free to leave any notes, feelings or whatever

### Charging

* Location: type of charger and where it was plugged in (the cord with the car is a type 1) Provide details in notes on location etc.
* Charge: When the car is plugged in, the estimated time left until charge is done will display on the dash, please record that time