

2018 VSCADA Errata

1. Develop method or program to easily graph SCADA data in the CSV files
2. Determine if data is being missed and fix bottleneck if it is.
3. Look into eliminating the ugly dictionary at top of 'getCANdata.py'. Second database table and new object is an option.
4. Make system more configurable (sample rates, refresh rates)
5. Test that data vales on CAN network match actual values (especially current values). This will need to be thorough. High priority.
6. Wireless data transfer. Use a MySQL db. Low priority.
7. Use LEDs on driver display to notify driver of important changes.
8. Add real time clock for raspberry pi to add accuracy.
9. Add cruise control.
10. Set up a second raspberry pi with all necessary parts for testing outside of the Dyno/car. High priority. Use old TSI board or a new spare TSI board (prefered option)
11. Use CAN to send configurable values to TSI upon startup. Fairly easy to implement
12. Control VSCADA relay on GLV board to directly control safety loop. Probably need to use GPIO pins
13. Add error handling for common situations (Driver display not plugged in, CAN network issues)