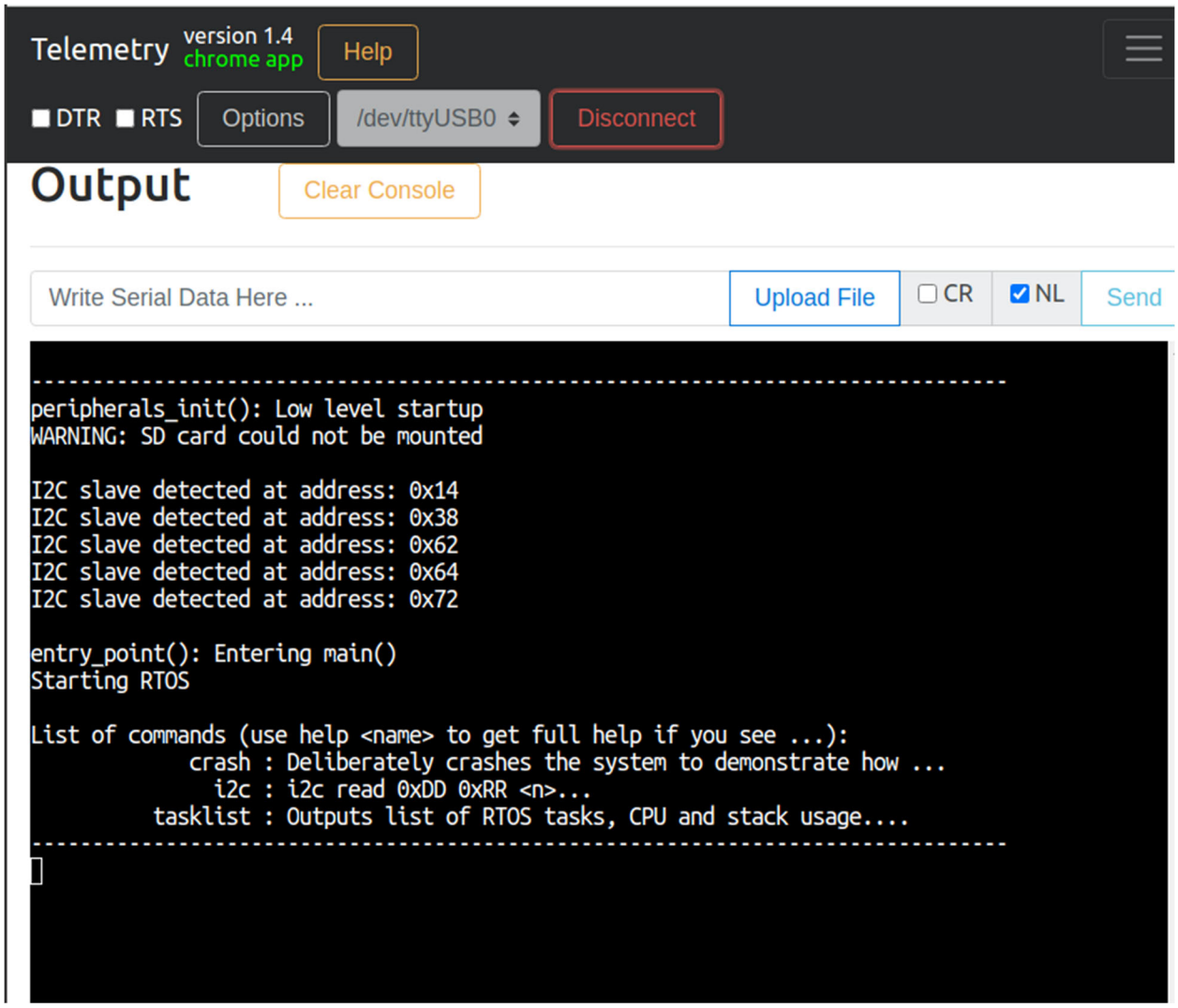
LAB 10: I2C

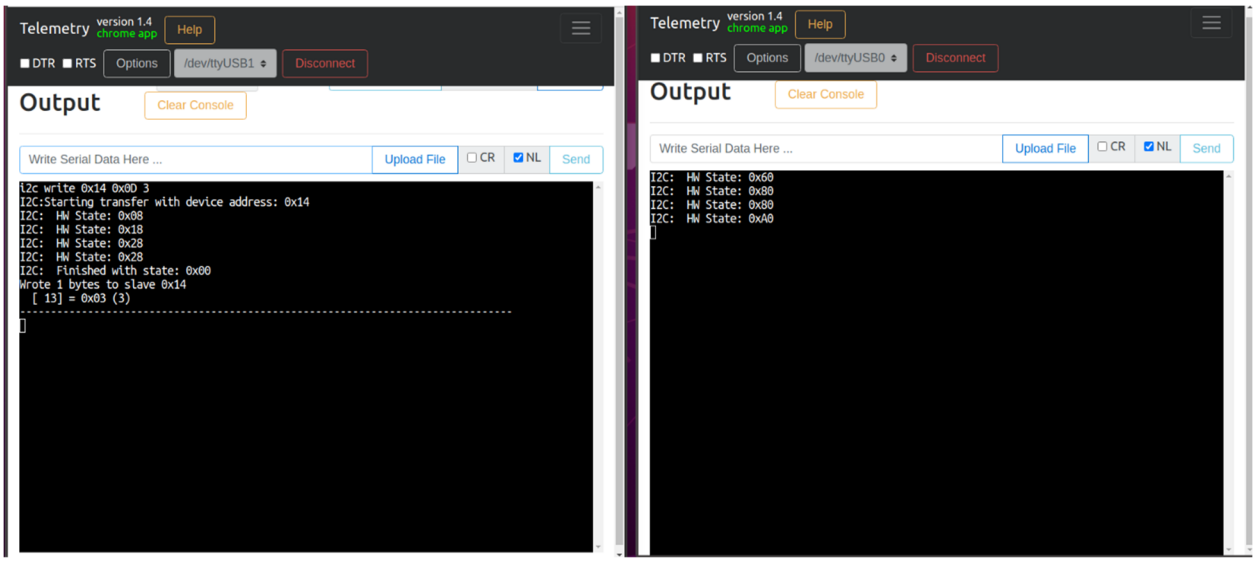
1) Slave Address Detection

Slave is detected at address 0x14. The rest of the addresses are for different sensors that are detected on both the boards.



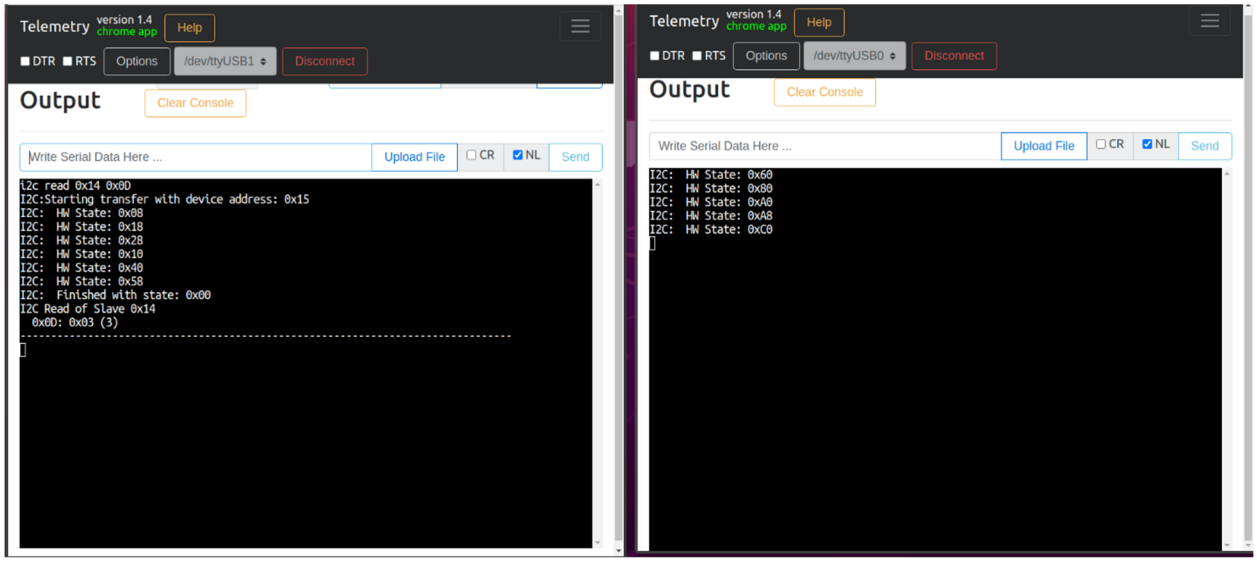
2) Single Byte Write

Figure shows the different states of Master and Slave when a single byte is written at the address. USB1 corresponds to the Master and USB0 is the slave board.



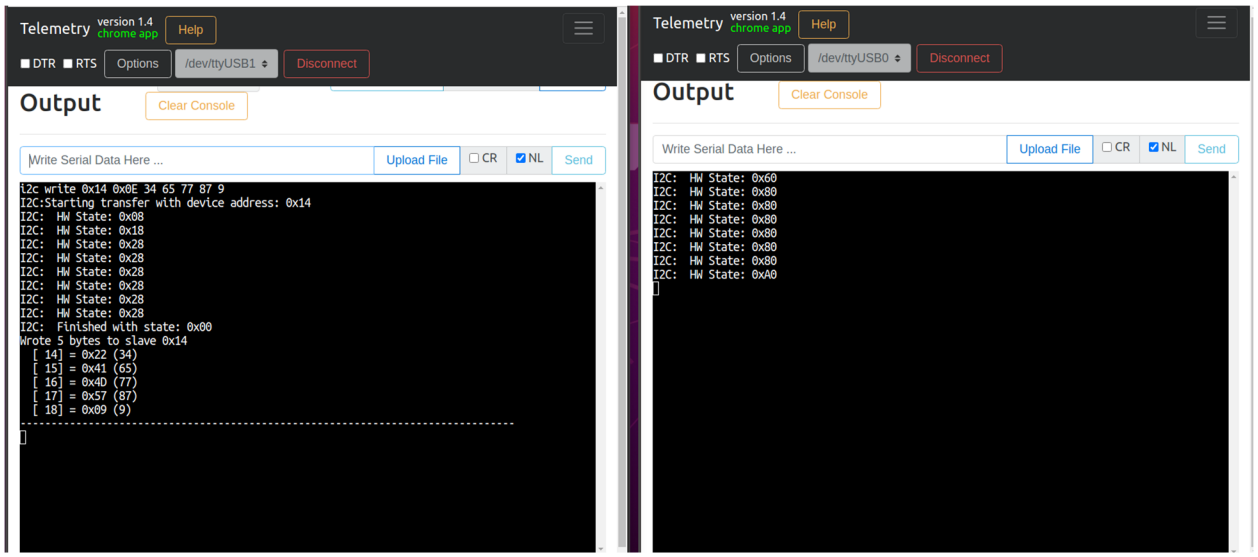
3) Single Byte Read

Figure shows the data byte that was read after performing above read operation.



4) Multi-Byte Write

Figure shows the different states of Master and Slave when multiple bytes are written at the address. USB1 corresponds to the Master and USB0 is the slave board.



5) Multi-Byte Read

Figure shows the data byte that were read after performing above read operation.