**::::::::THE READINGS OF SENSORS ARE :::::::::**152 011 011 011 011 013 066 089

THE COMPENSATED READINGS ARE ::::::::::: TEST MODE :::::::  
000 001 001 001 001  **003 070 091**

Position is (inc from sen 0 to 7) :: 00600  
 Error is (1536 - position) :: 00936  
 servo output(by propotional correction only, without limits bound) is :: 01293

**::::::::THE READINGS OF SENSORS ARE :::::::::**153 011 011 012 045 138 113 127

THE COMPENSATED READINGS ARE ::::::::::: TEST MODE :::::::  
000 001 001 002 043 **152 129 135**

Position is (inc from sen 0 to 7) :: 00495  
 Error is (1536 - position) :: 01041  
 servo output(by propotional correction only, without limits bound) is :: 01269

**:::::::THE READINGS OF SENSORS ARE :::::::::**148 011 011 011 044 **142 069 116**

THE COMPENSATED READINGS ARE ::::::::::: TEST MODE :::::::  
000 001 001 001 042 **157 074 122**

Position is (inc from sen 0 to 7) :: 00477  
 Error is (1536 - position) :: 01059  
 servo output(by propotional correction only, without limits bound) is :: 01265

1. These values are from the left (towards 0 sensor) still servo output is very less
2. By moving the car towards right, the error increases, rather than decreasing.
3. While the sensors completely on line still the sensors does not read max values i.e 255
4. **152 129 135 are not in decreasing order. This means that sensor 1 is not properly caliberated..**
5. The position data is not calculated correctly… X (corrected logic) though logic may be improved more.
6. Due to 157 74 122, 122 not calibrated properly results in undesired ‘right’ movement (towards 0 sensor) in position data.

**::::::::THE READINGS OF SENSORS ARE ::::::::: POSITION LOGIC CORRECTED…**146 011 011 011 040 138 088 119

THE COMPENSATED READINGS ARE ::::::::::: TEST MODE :::::::  
000 001 001 001 037 152 097 126

Position is (inc from sen 0 to 7) :: 00538  
 Error is (1536 - position) :: 00998  
 servo output(by propotional correction only, without limits bound) is :: 01279