

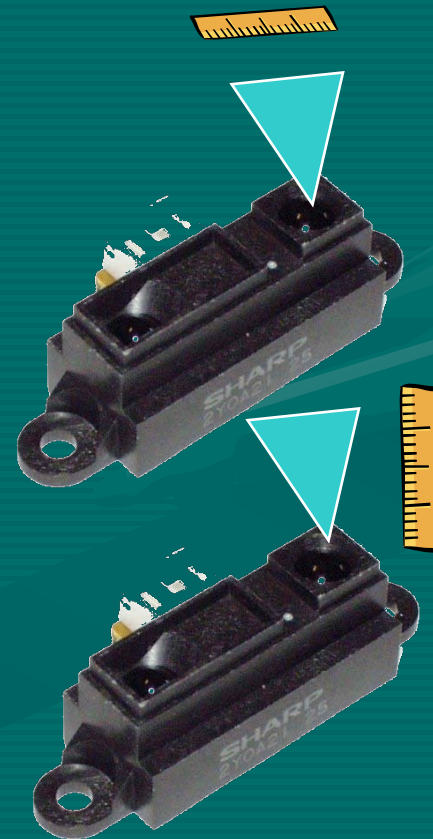
# In Your Face

Test Plan & Initial Expected Data

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# Test Plan

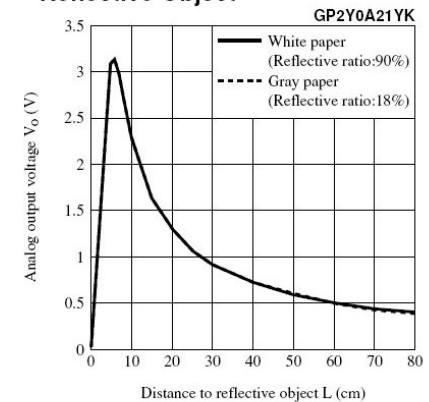
- Sensor Testing
  - Range
  - Response Time
  - Precision
- Software Testing
  - Throughput
  - Startup Time



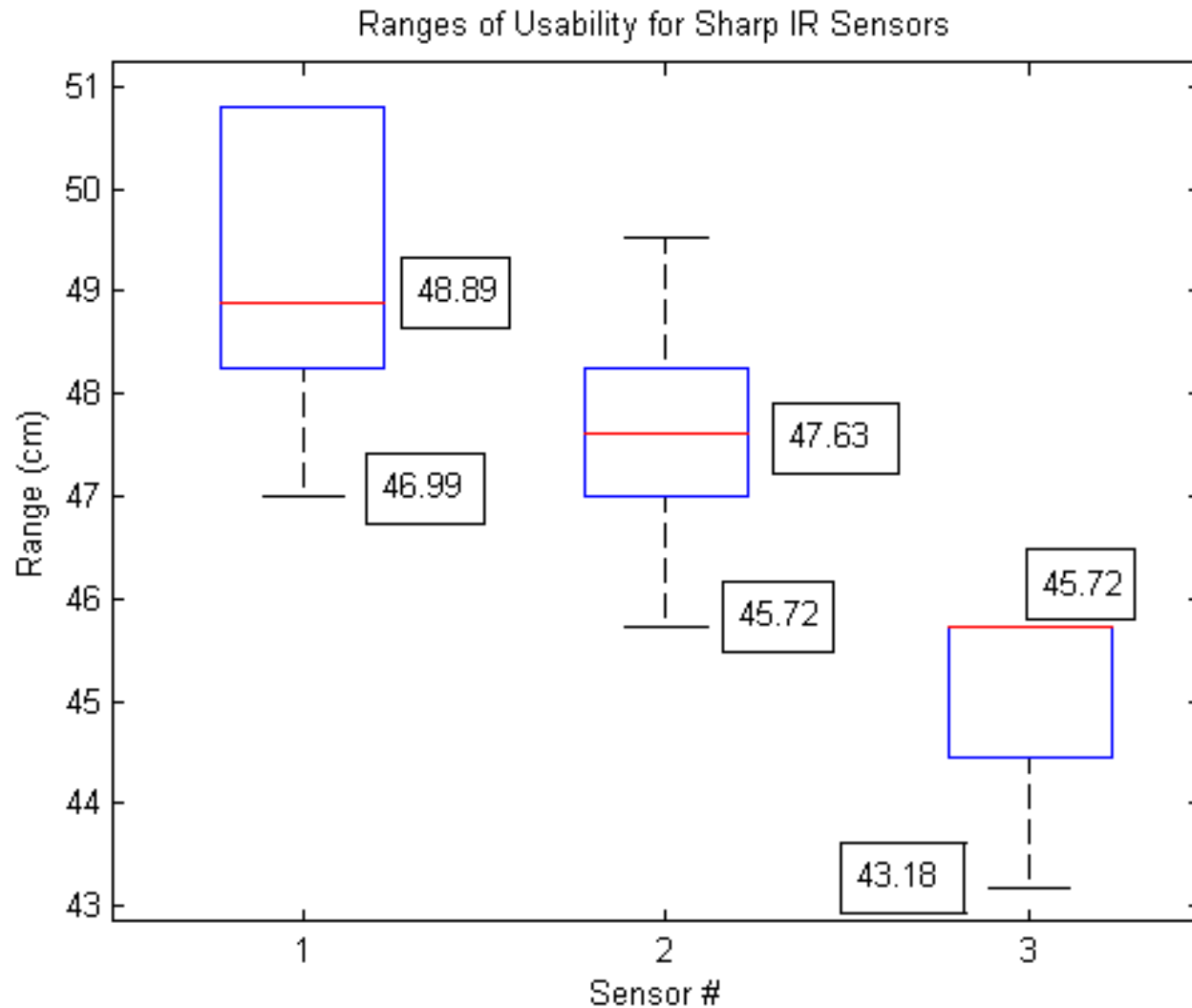
# Expected Results

- Sensor Data
  - Range should follow chart
  - $< 5\%$  error
- Software Testing
  - $> 10$  ops per second
  - $< 1$  sec startup time

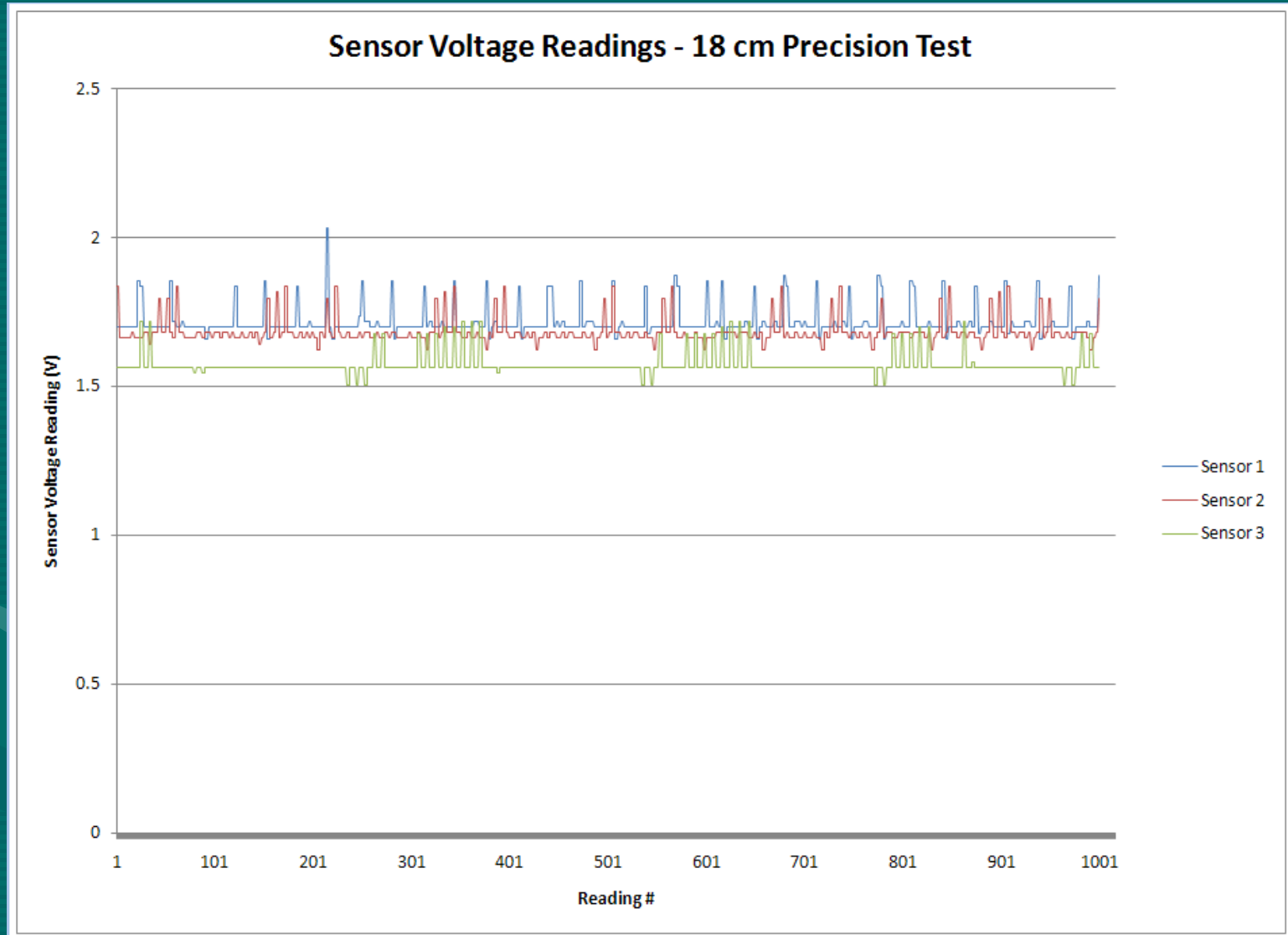
Fig.5 Analog Output Voltage vs. Distance to Reflective Object



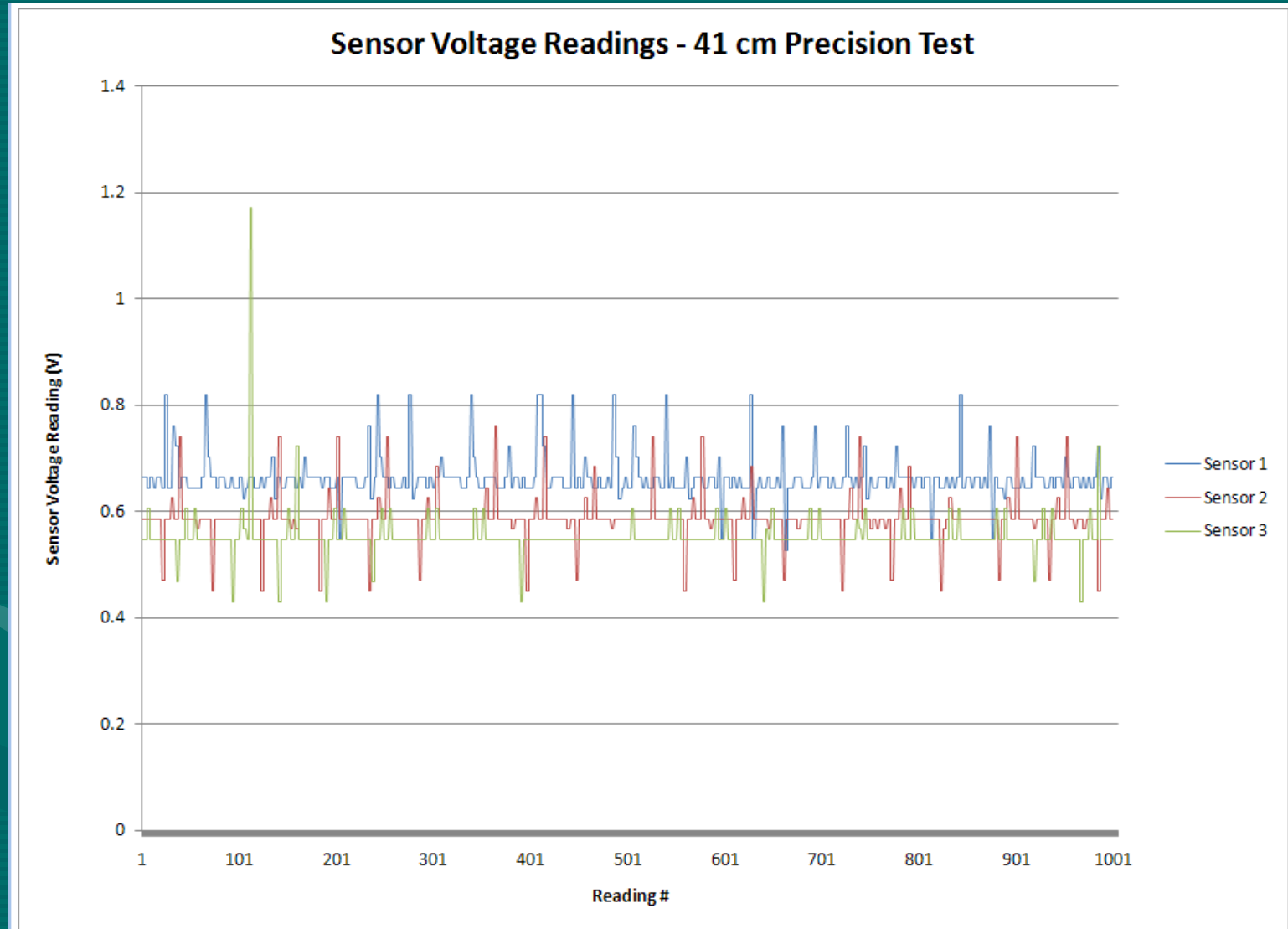
# Initial Results



# Initial Results



# Initial Results



# Initial Results

- Average Start Up Time: 3.0652 sec.
- Average Throughput: 9.353 operations/sec.