RCX Information

* Light sensor on Port 3
* Temperature sensor on Port 1
* Light data saved into blue data set
* Temperature data saved into yellow data set
* Data samples taken every 5 minutes (300 seconds)
* RCX attached to wall outlet
* RCX has 6 AA batteries for backup power supply

Robolab Information

* Program for data collection is a separate VI from the LLB for the uploaded data sets.
    - This is to ensure that the program gets saved each time it is modified.
* Right after uploading the data export it to HTML.
    - This is to ensure that the data gets saved.

Sensor Information

Light Sensor

* Placed outside back yard-facing window
* Inside a plastic bag to make it waterproof
* Sensor draws power from RCX
* Sensor data may be offset due to glare/ shadow of house and nearby trees

Temperature Sensor

* Placed outside street-facing window
* Waterproof sensor
* Sensor doesn't draw power from RCX
* Sensor data may be offset due to glare/ shadow based of house and nearby trees

Data Logging Session Records

Session 1

Start Date: October 11th
Start Time: 6:05 pm

Notes: Towards the end of this logging session there was a short thunderstorm.

Stop Date: October 11th
Stop Time: 8:45 pm

Total Data Samples Per Type: 32 (0-31)

Total Logging Time: 2.5 hours

Session 2

Start Date: October 12th
Start Time: 8:08 pm

Notes: Never caught sunrise due to rainy day.

Stop Date: October 13th
Stop Time: 7:04 am

Total Data Samples Per Type: 129 (0-128)
Total Logging Time: 10.6 hours

Session 3

Start Date: October 13th
Start Time: 7:15 am

Notes: Caught the bulk of sunrise due to rainy day.

Stop Date: October 13th
Stop Time: 4:52 pm

Total Data Samples Per Type: 114 (0-113)
Total Logging Time: 9.4 hours

Session 4

Start Date: October 13th
Start Time: 5:30 pm

Notes: Will catch sunset, but I'll likely kill before bed and upload, then start a separate overnight session.

Stop Date: October 13th
Stop Time: 8:00 pm

Total Data Samples Per Type: 29 (0-28)
Total Logging Time: 2.3 hours

Session 5

Start Date: October 13th
Start Time: 8:10 pm

Notes: Stopped early because I got up early for a doctors appointment.

Stop Date: October 14th
Stop Time: 6:43 am

Total Data Samples Per Type: 125 (0-124)
Total Logging Time: 10.3 hours

Session 6

Start Date: October 14th
Start Time: 6:55 am

Notes: Will catch sunrise! In the last few hours of data collection, there was a power outage and the RCX ran on 6 AA batteries until power was restored.

Stop Date: October 14th
Stop Time: 5:22 pm

Total Data Samples Per Type: 123 (0-122)
Total Logging Time: 10.2 hours

Session 7

Start Date: October 15th
Start Time: 7:20 am

Notes: It was a fairly clear day.

Stop Date: October 15th
Stop Time: 3:49 pm

Total Data Samples Per Type: 100 (0-99)
Total Logging Time: 8.25 hours

Session 8

Start Date: October 20th
Start Time: 7:25 am

Notes: Rain in the morning. Settled down to partly cloudy by the evening.

Stop Date: October 20th
Stop Time: 4:28 pm

Total Data Samples Per Type: 106 (0-105)
Total Logging Time: 8.75 hours

Session 9

Start Date: October 21st
Start Time: 7:15 am

Notes: Cloudy day that had the potential for rain.

Stop Date: October 21st
Stop Time: 5:21 pm

Total Data Samples Per Type: 119 (0-118)
Total Logging Time: 9.8 hours

Session 10

Start Date: October 22nd
Start Time: 7:20 am

Notes: A very dark and rainy day.

Stop Date: October 22nd
Stop Time: 4:25 pm

Total Data Samples Per Type: 107 (0-106)
Total Logging Time: 8.8 hours

Session 11

Start Date: October 23rd
Start Time: 7:20 am

Notes:

Stop Date: October 23rd
Stop Time: 4:25 pm

Total Data Samples Per Type: 107 (0-106)
Total Logging Time: 8.8 hours

Session 12

Start Date: October 24th
Start Time: 7:20 am

Notes:

Stop Date: October 24th
Stop Time: 4:37 pm

Total Data Samples Per Type: 109 (0-108)
Total Logging Time: 9.0 hours

End Statistics

Total Data Points (for each type): 1,200
Total Logging Time (hours): 98.7 hours