

Sensor read cycle (nirone_controller.py)

NIRSensor.start_run()

- get start time
- call _start_running()

NIRSensor._start_running()

- check sensor is not stopped
- check that time did not change significantly (depricate)
- calculate time till start
- start thread to call _start_running again in a loop
- <== call start_nirone_measurement()
- start thread to call read_nirone_measurement()

NIRSensor.start_nirone_measurement

- check that the device is not waiting for a previous measurement
- check that the device is responding to check messages
- send a message to start the sensor making a read
- set wait_for_measurement flag

NIRSensor.read_nirone_measurement

- (Depricate) check the internal timer is correct (not needed after ntplib was implimented to check the time)
- get raw data from sensor.get_measurement()
- ➔ raw data received, send to raspberry_pi_sensor.PiNIROneIoTSensor.send_packet
- check if new settings or model is to be loaded