

# Data Gathering Report / 11 November

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## Sensor 1 - isolated

### I. 11 November until 16 November Fruit Pictures

one sensor in an isolated box gathering data from a 100% green banana  
on 11 November banana was 100% green - [Link](#)

on 12 November banana was almost green maybe 20% yellow - [Link](#)

on 13 November banana was almost yellow maybe 20% green - [Link](#)

on 14 November banana was almost yellow maybe 10% green - [Link](#)

on 15 November banana was in perfect condition yellow and started turning black - [Link](#)

on 16 November banana still was in perfect condition yellow with some little black scratches - [Link](#)

### II. 11 November until 16 November Charts

11 November Charts - [Link](#)

12 November Charts - [Link](#)

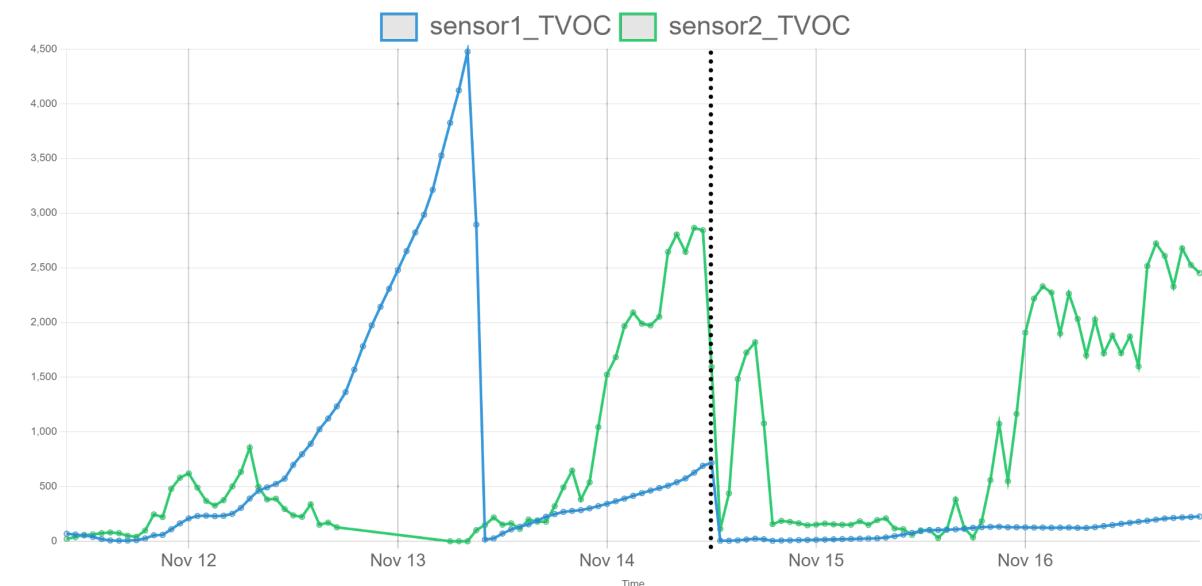
13 November Charts - [Link](#)

14 November Charts - [Link](#)

15 November Charts - [Link](#)

16 November Charts - [Link](#)

Hourly Charts (28oct-4nov) - [Link](#)





## Sensor 2

### III. 11 November until 16 November Fruit Pictures

one sensor in a box with air conditioning gathering data from a 100% green banana  
on 11 November banana was 100% green - [Link](#)

on 12 November banana was almost green maybe 20% yellow - [Link](#)

on 13 November banana was almost yellow maybe 20% green - [Link](#)

on 14 November banana was still 10% green but had some big black scratches - [Link](#)

on 15 November banana was 50% black - [Link](#)

on 16 November banana was 70% black - [Link](#)

### IV. 11 November until 16 November Charts

11 November Charts - [Link](#)

12 November Charts - [Link](#)

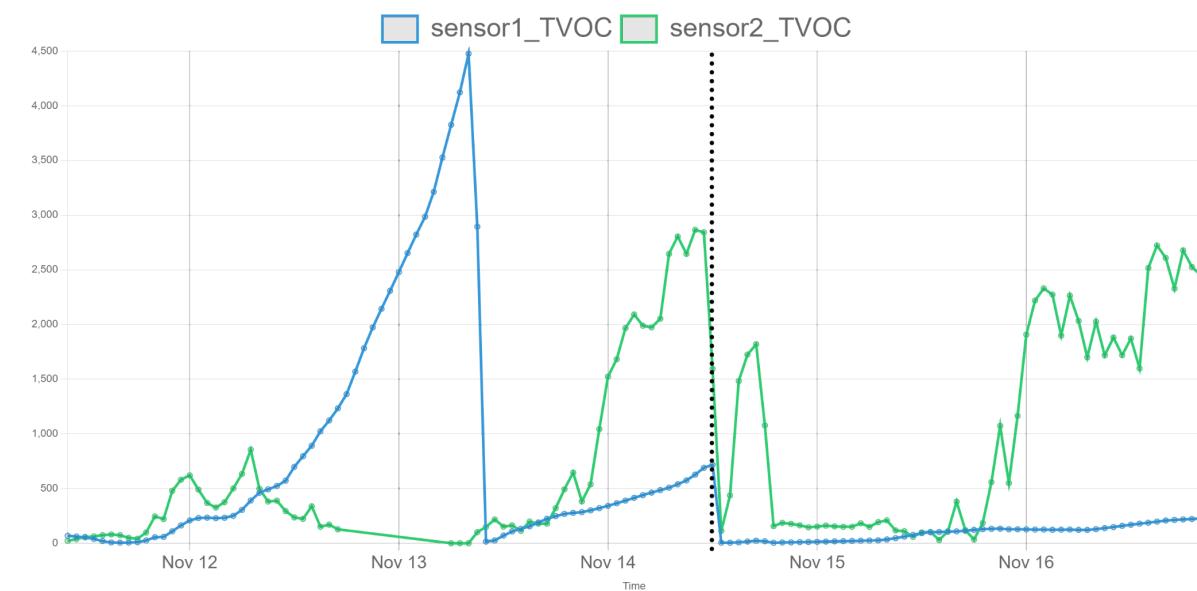
13 November Charts - [Link](#)

14 November Charts - [Link](#)

15 November Charts - [Link](#)

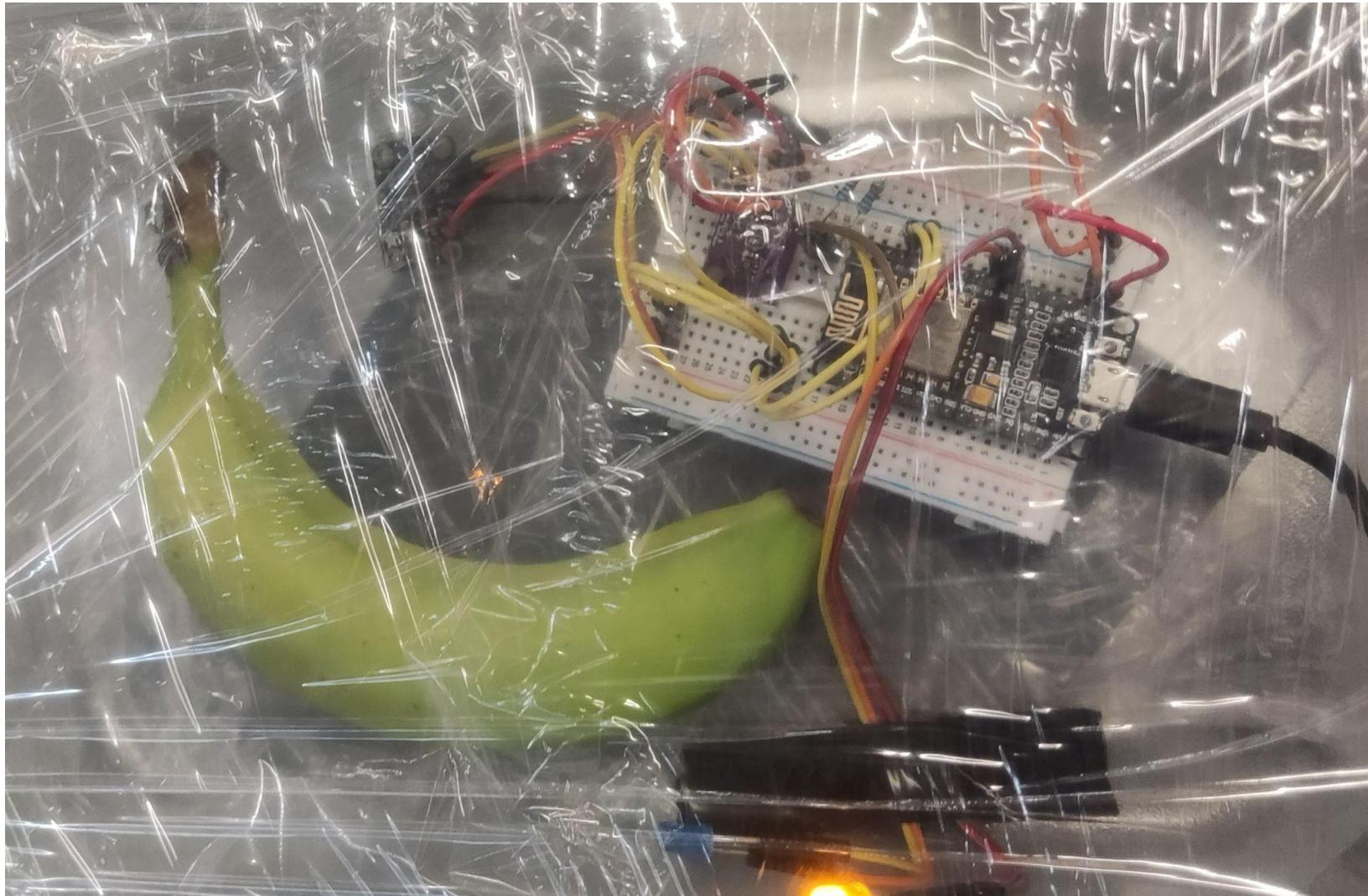
16 November Charts - [Link](#)

Hourly Charts (28oct-4nov) - [Link](#)

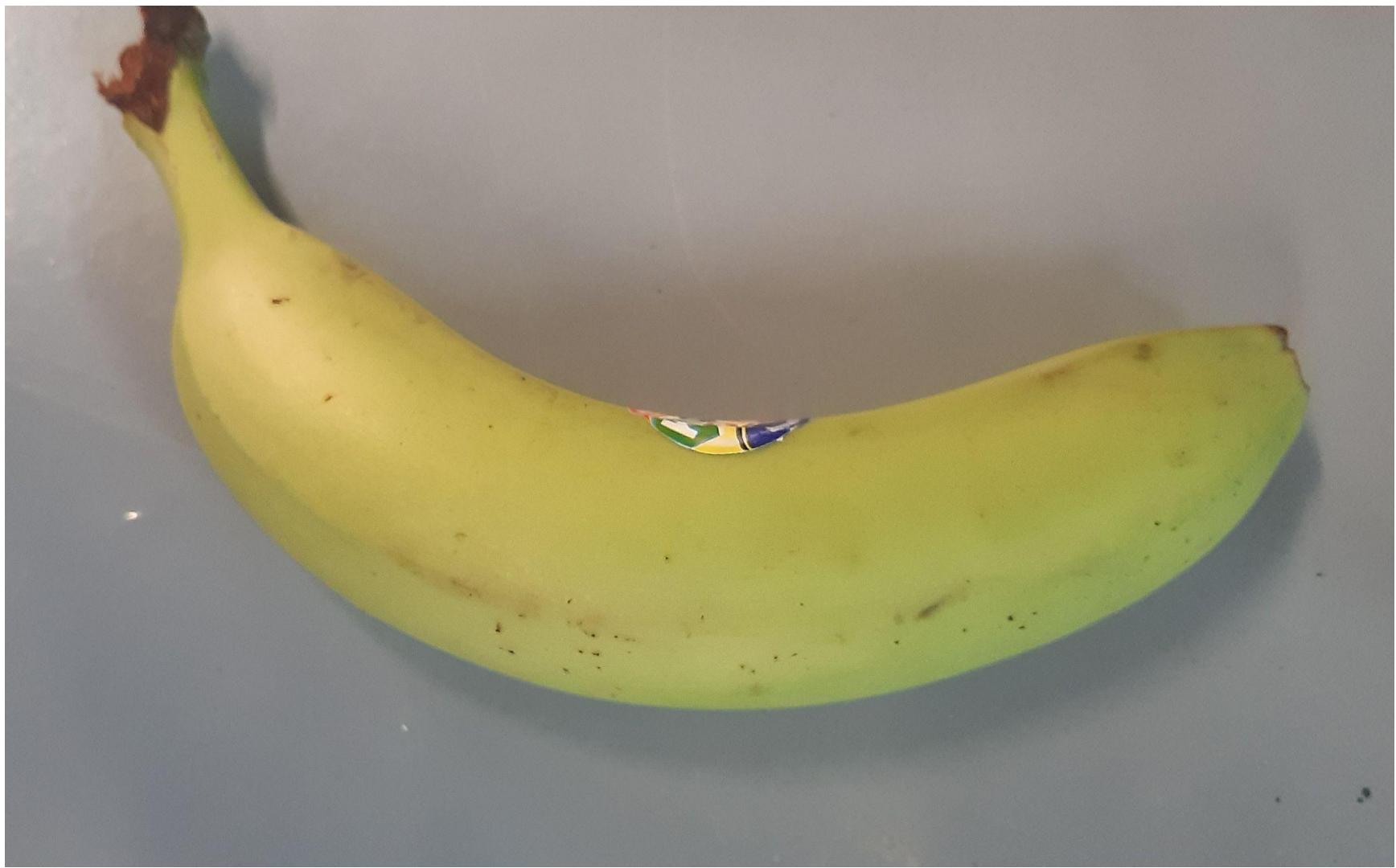


## Fruit pictures - isolated box

11 November fruit picture - isolated



Test banana - out of box simulated



12 November fruit picture - isolated



13 November fruit picture - isolated



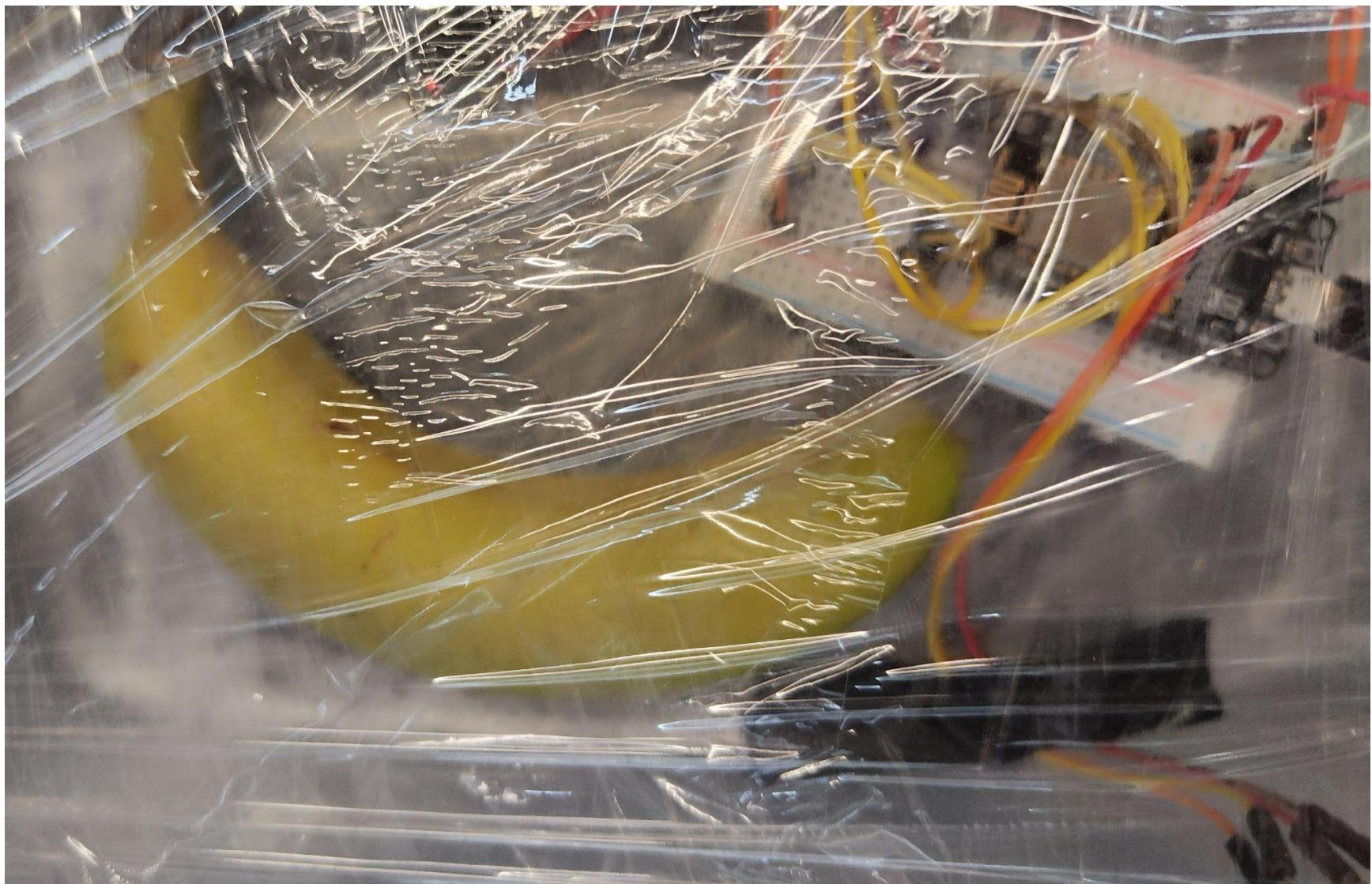
14 November fruit picture - isolated

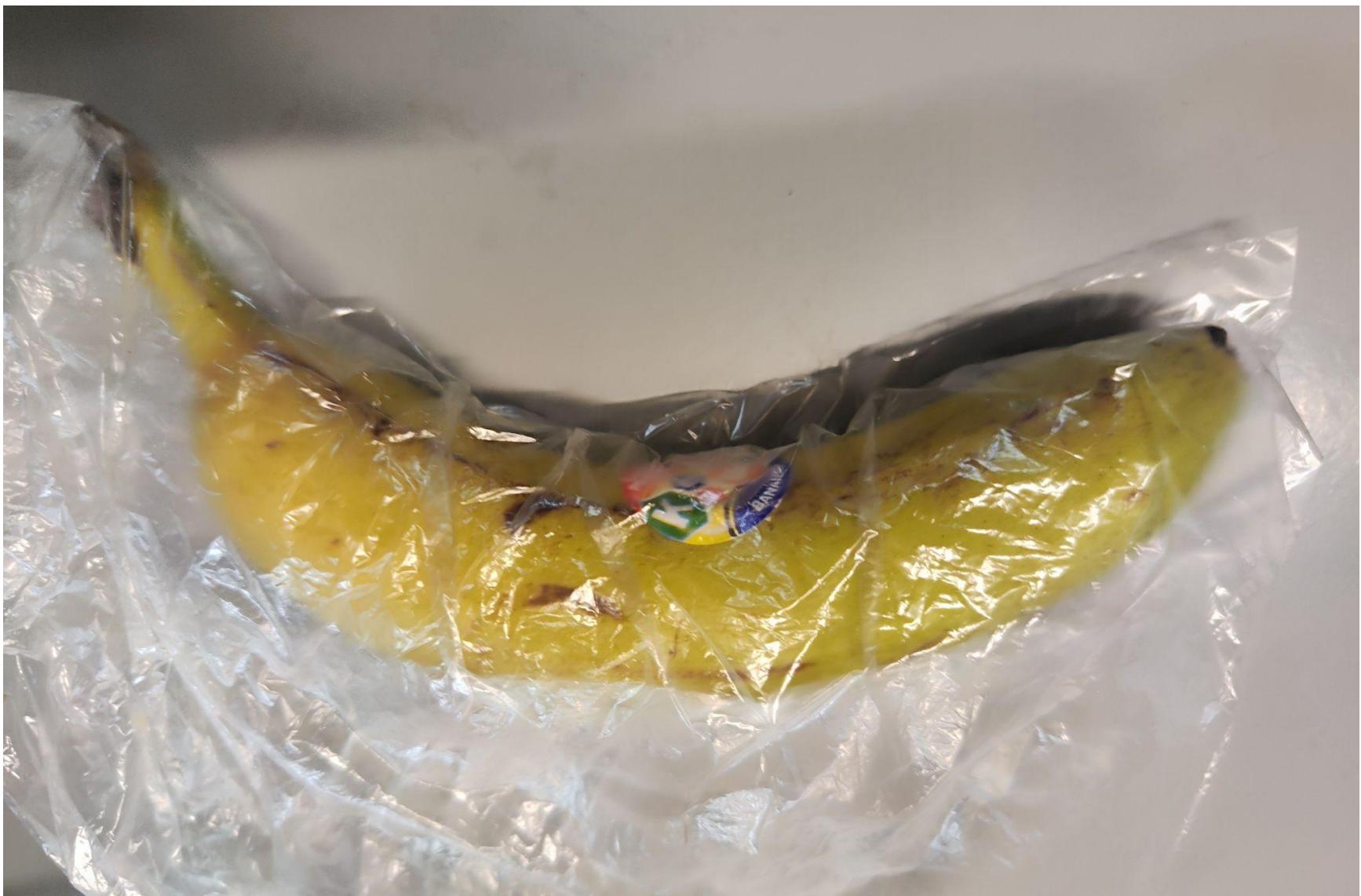


15 November fruit picture - isolated



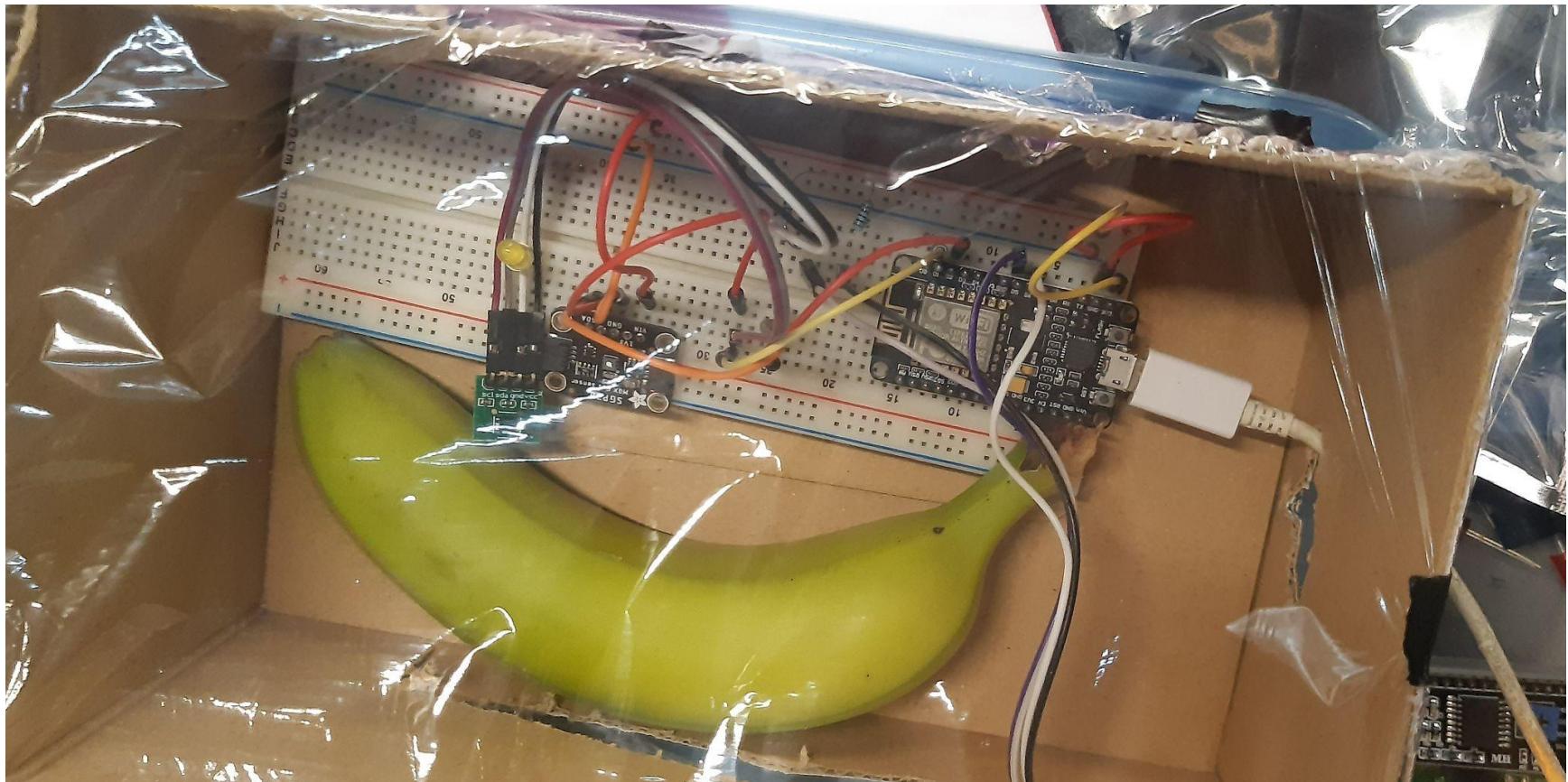
16 November fruit picture - isolated





## Fruit pictures - with air condition box

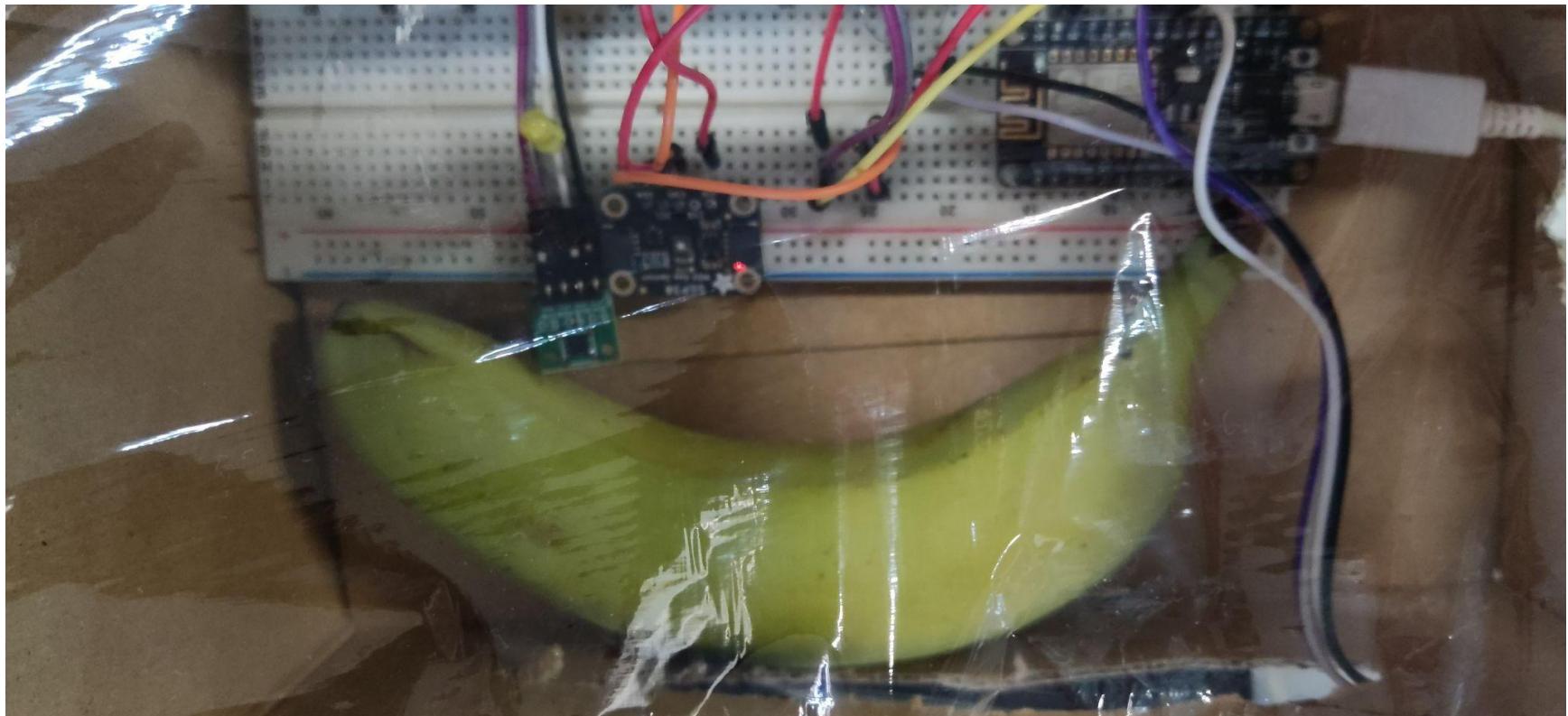
11 November fruit picture - with air condition



Test banana - out of box simulated



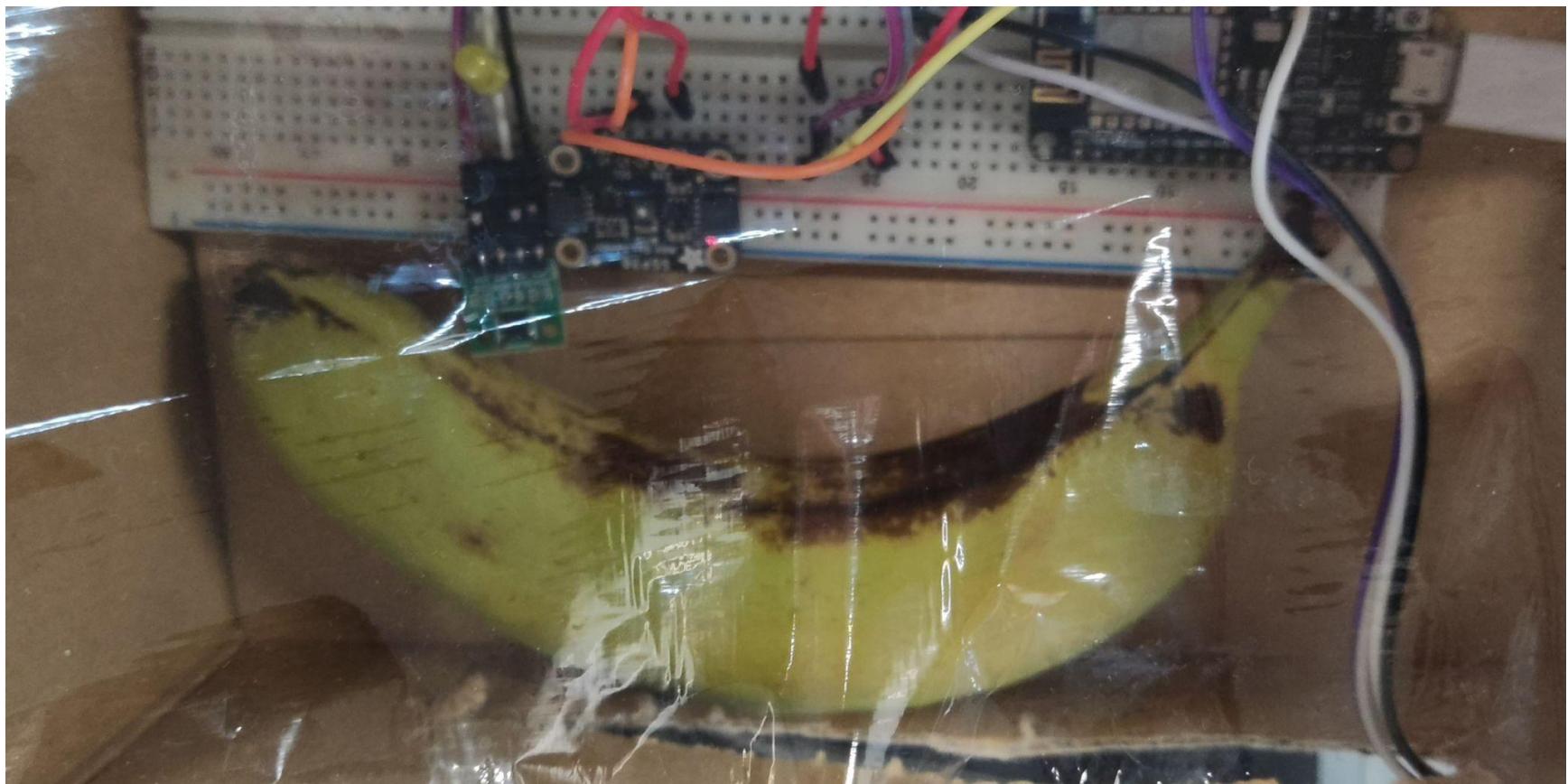
12 November fruit picture - with air condition



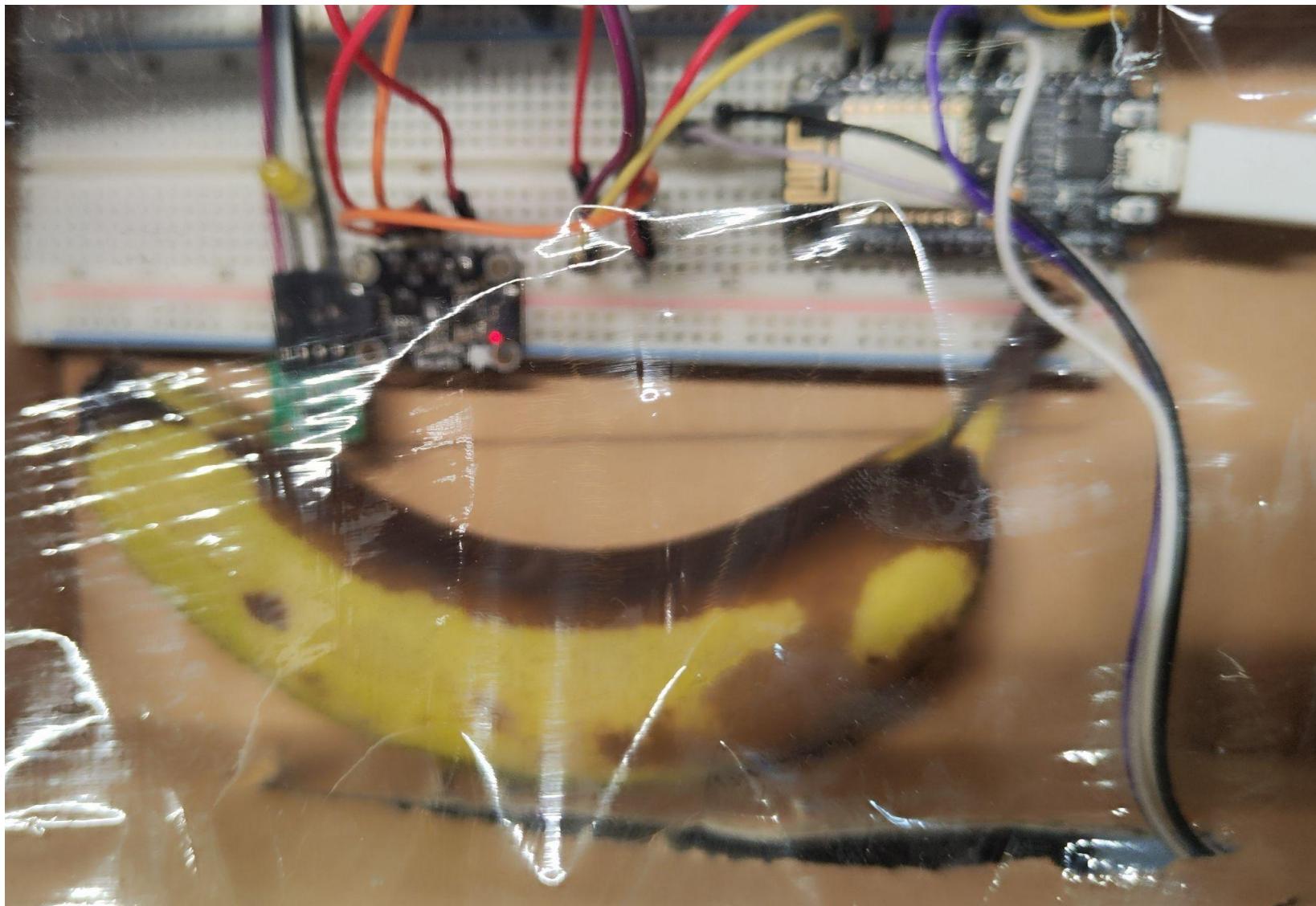
13 November fruit picture - with air condition



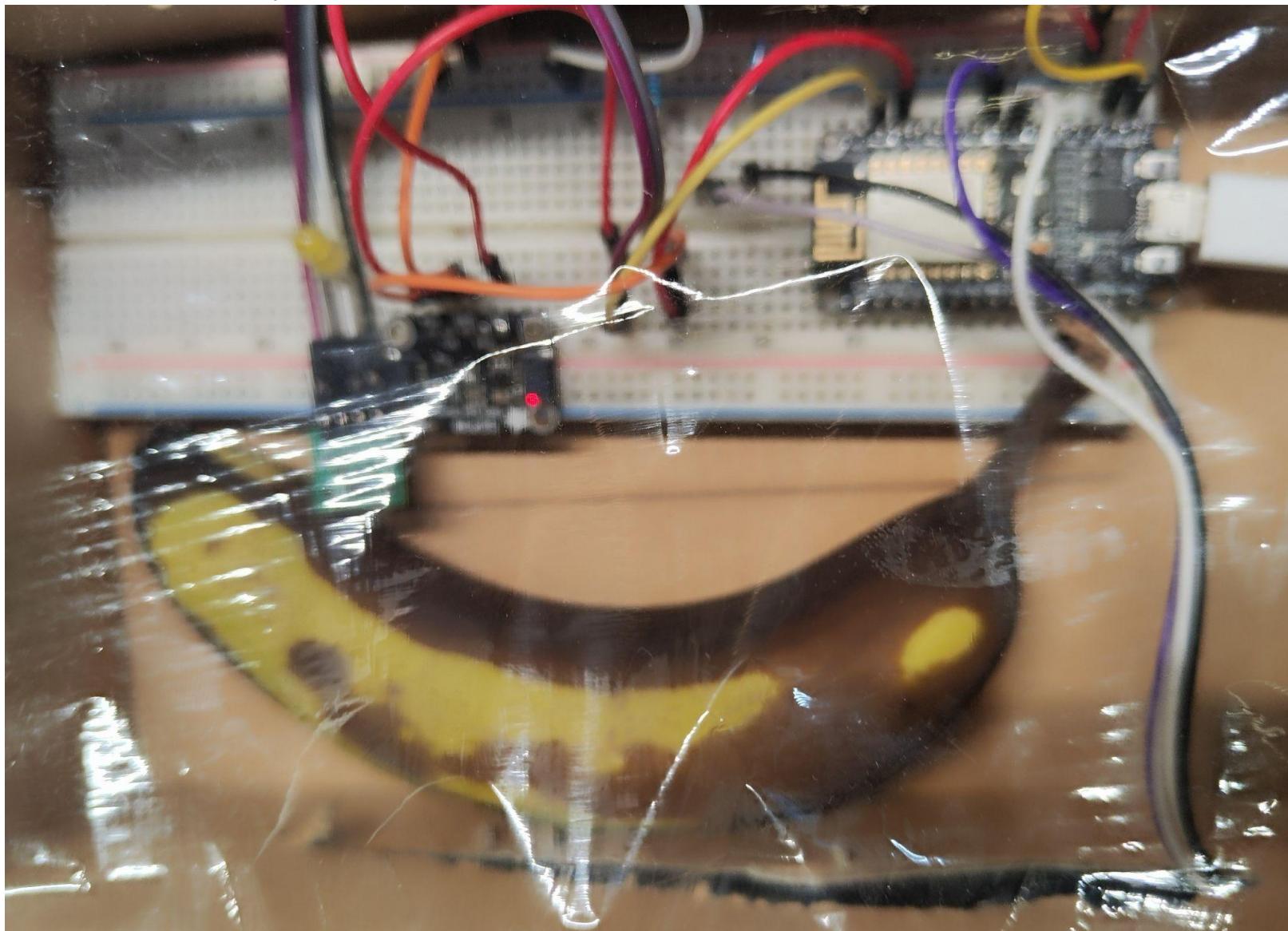
14 November fruit picture - with air condition



15 November fruit picture - with air condition



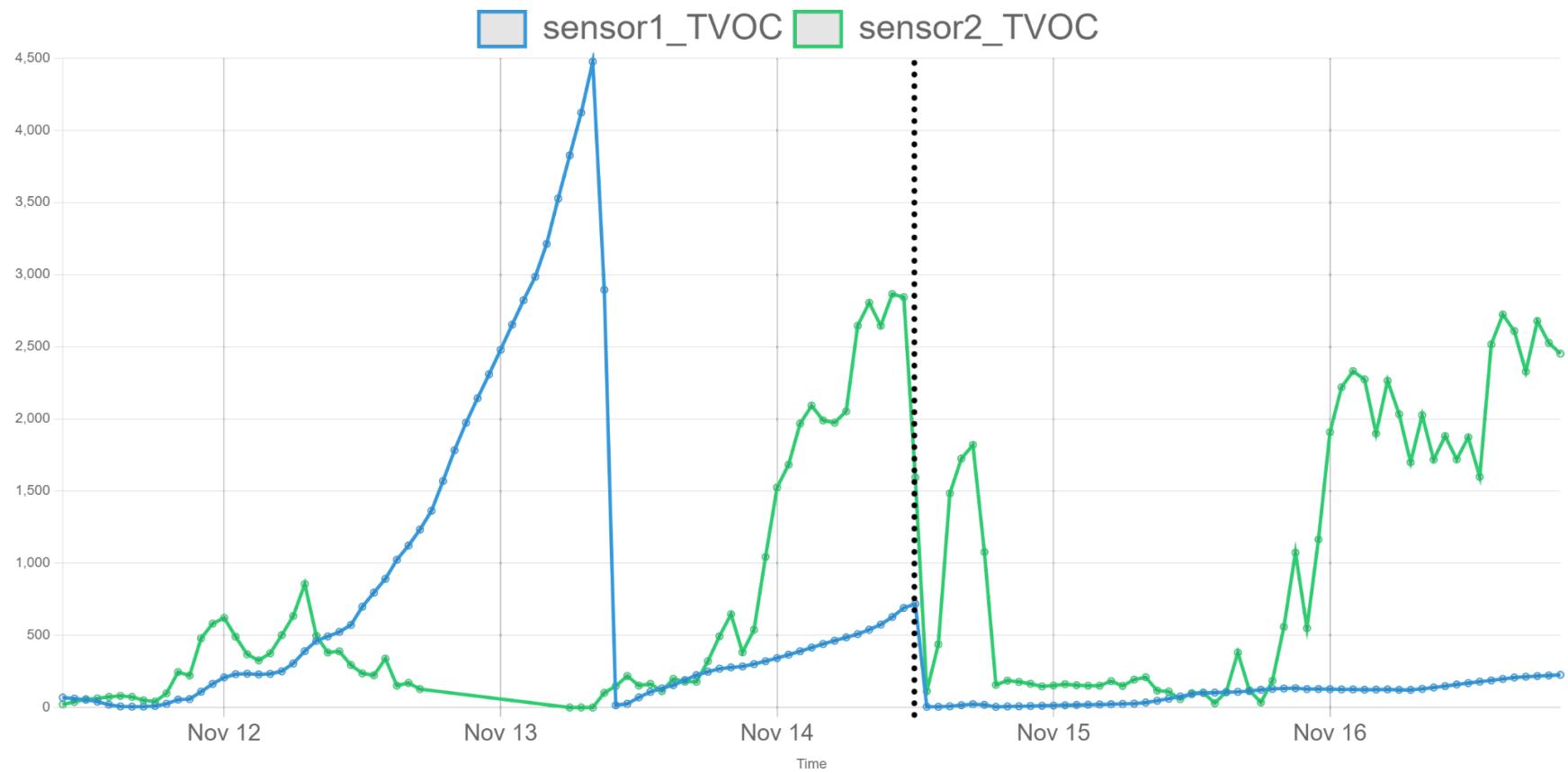
16 November fruit picture - with air condition







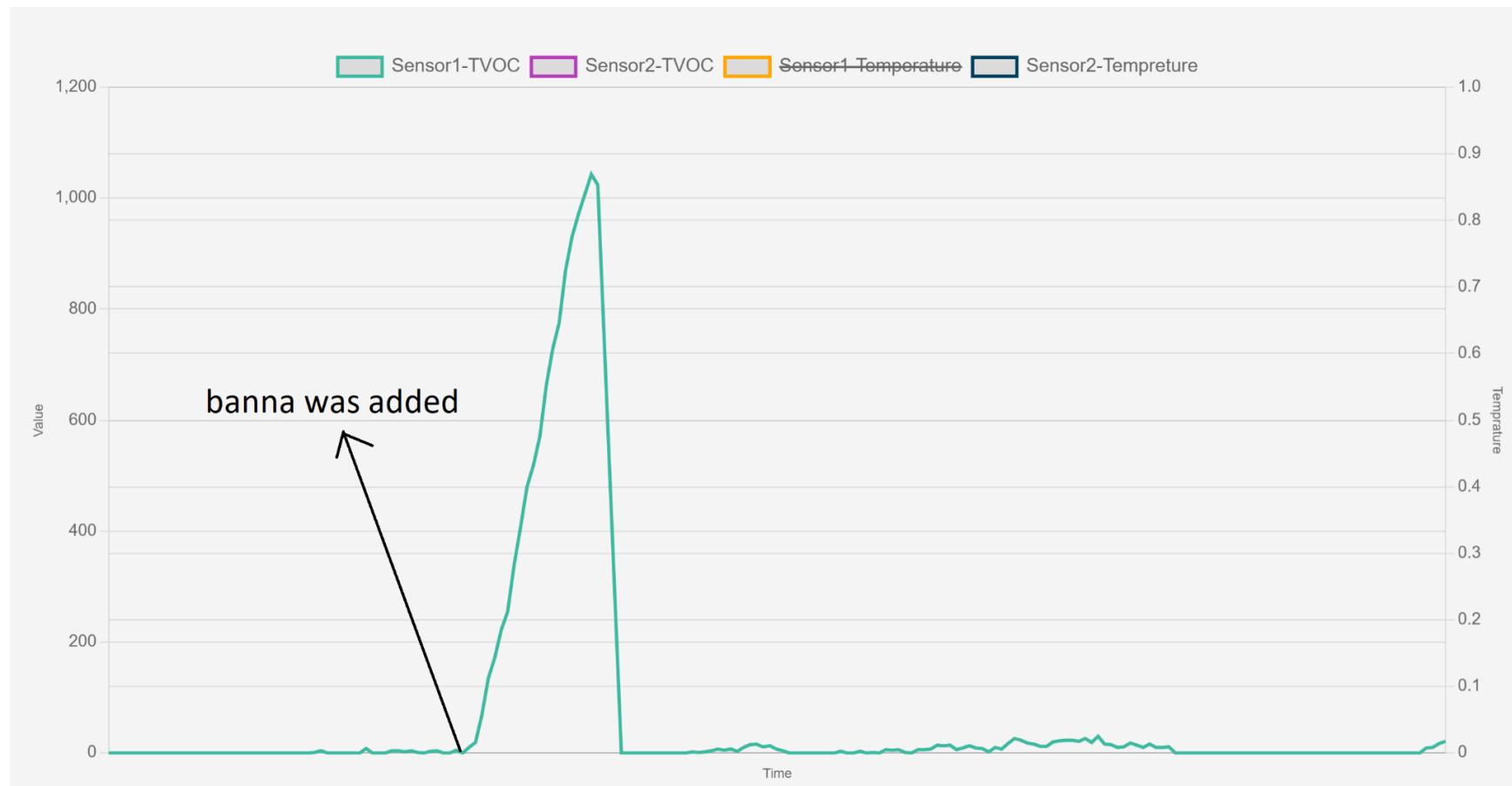
Hourly chart from 11 November until 16 November



- black dot-line indicates Perfect Ripening Point



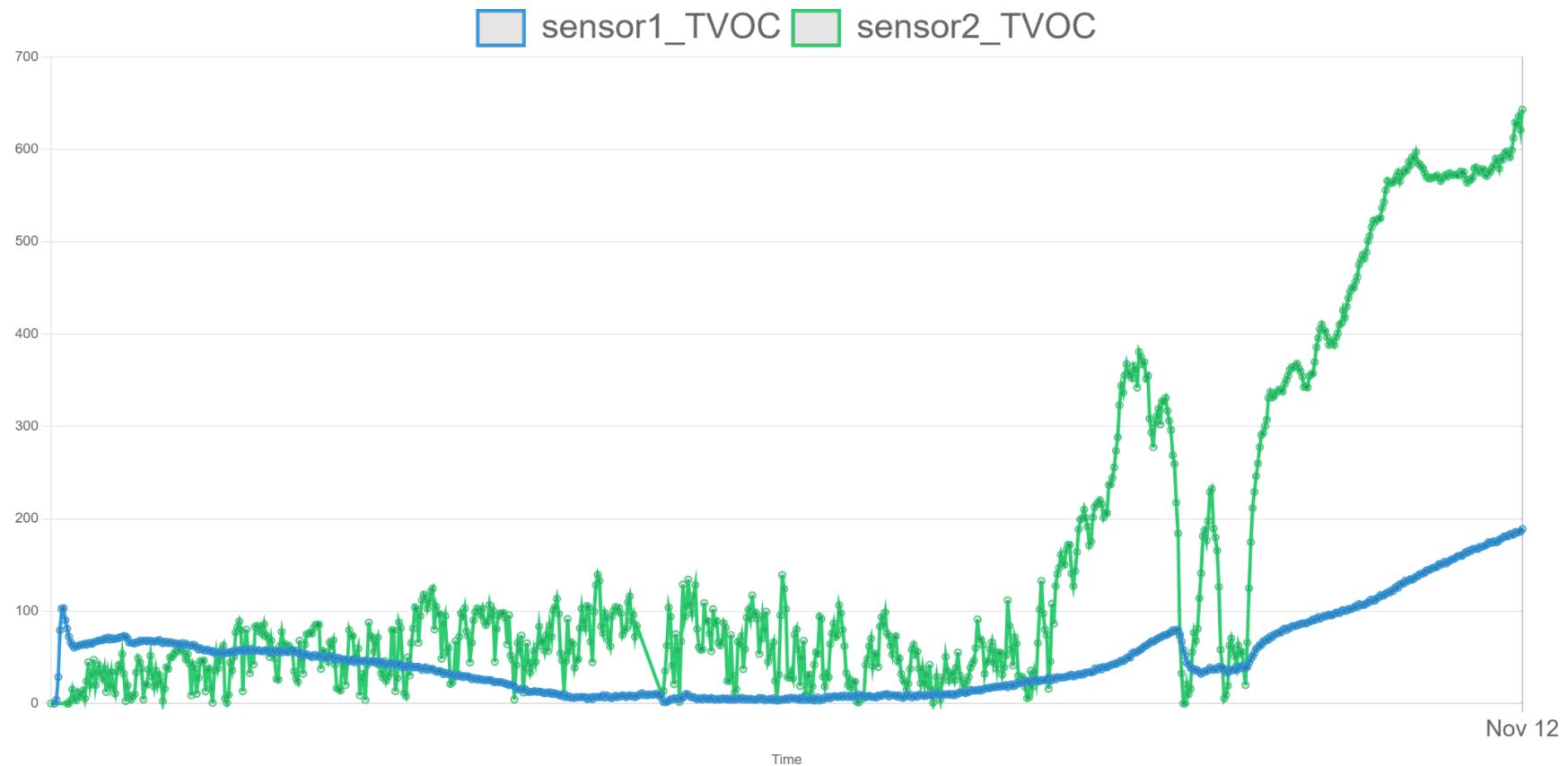
On November 13th at 13:00 and November 14th at 18:00, there was an electricity outage that affected sensor data gathering. Subsequently, I simulated the experiment by intentionally cutting off the electricity myself. The results indicated that data gathering is indeed affected by an electricity cutoff. Following the cutoff, the sensor data exhibited a significant decline and failed to capture the peak observed before the cutoff.





## 11 November Charts

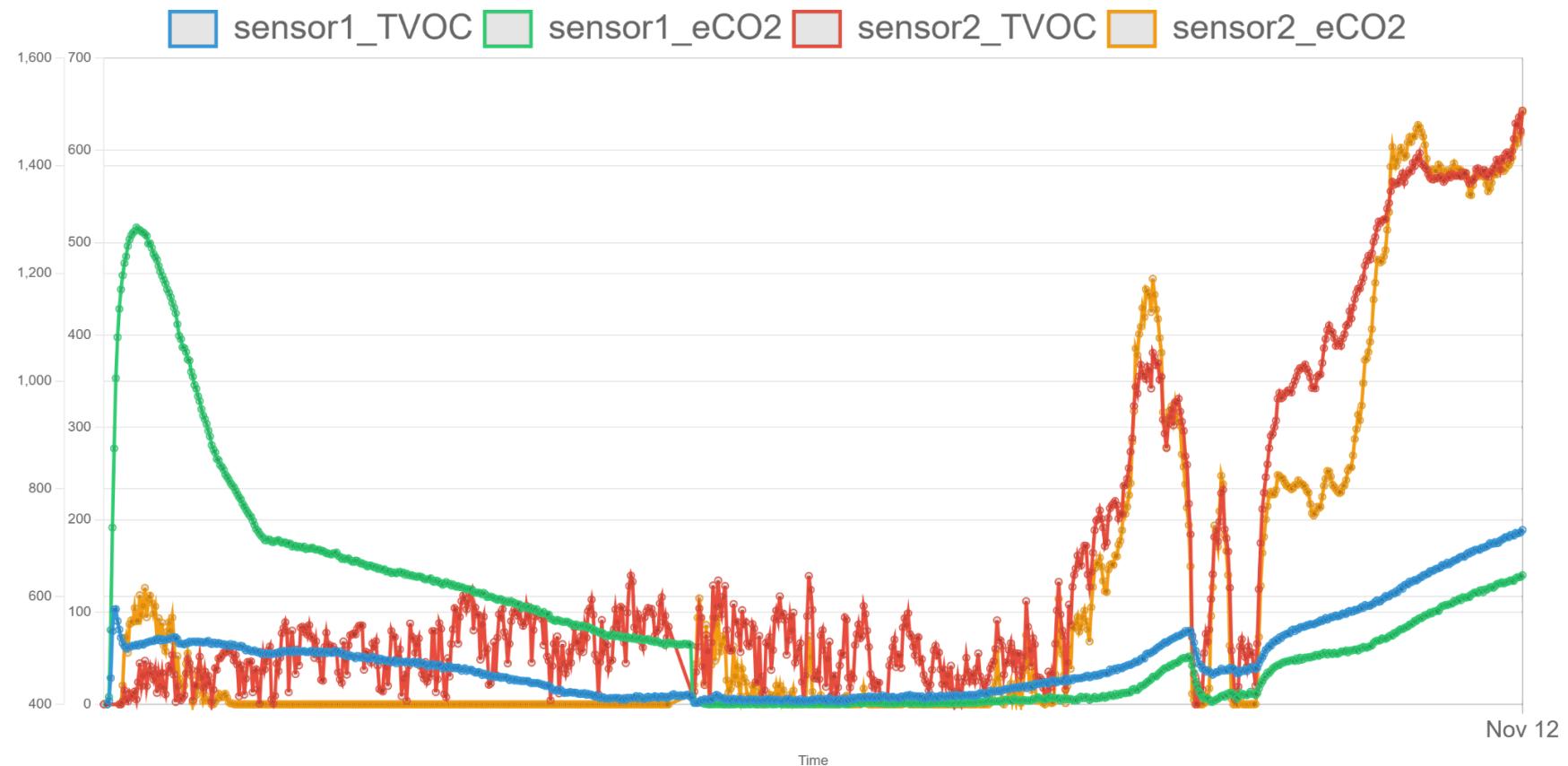
Avg of voc sensor1 and sensor2





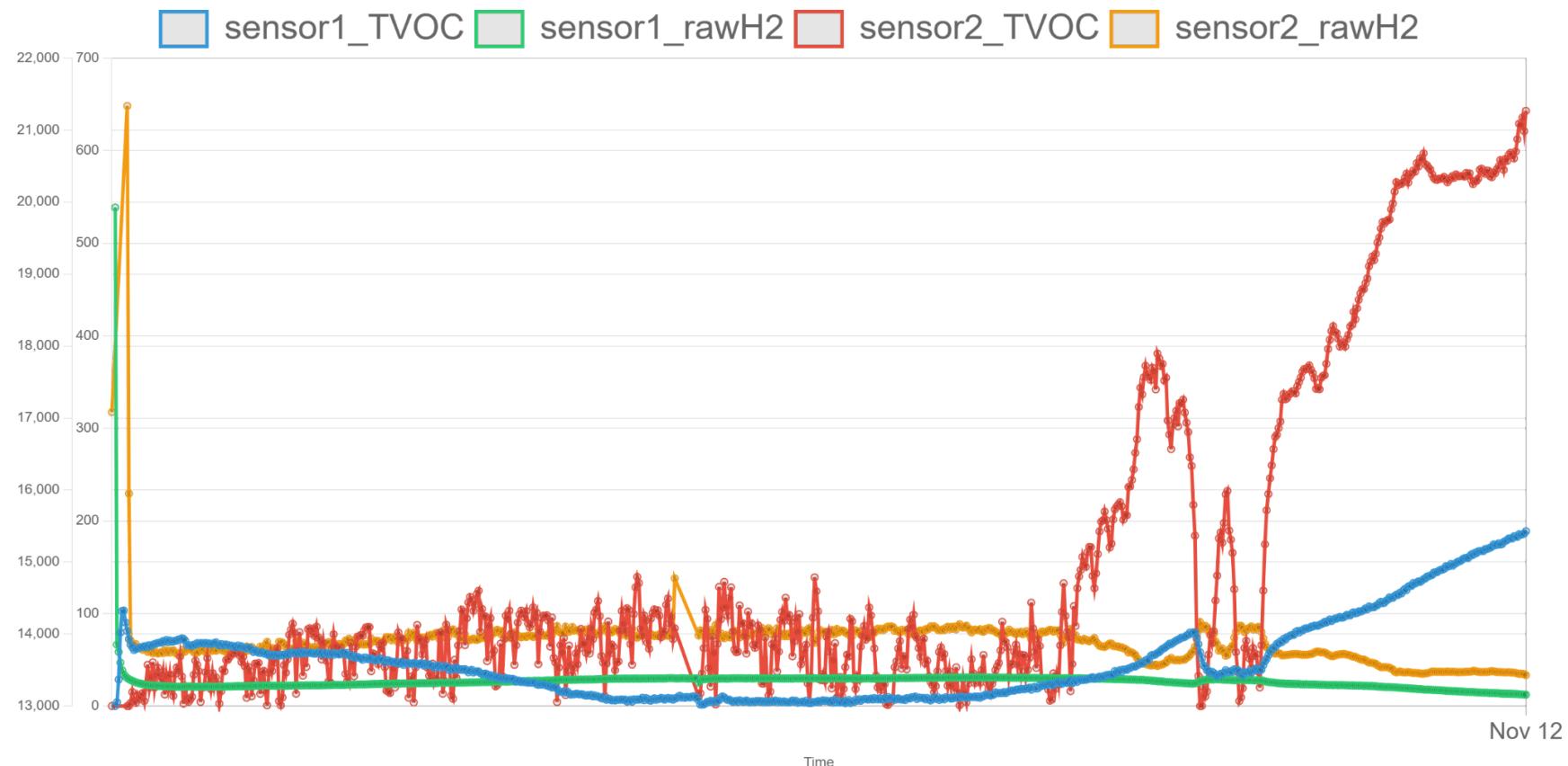
## 11 November Charts / CO2

Avg of voc & Avg of co2 sensor1 and sensor2



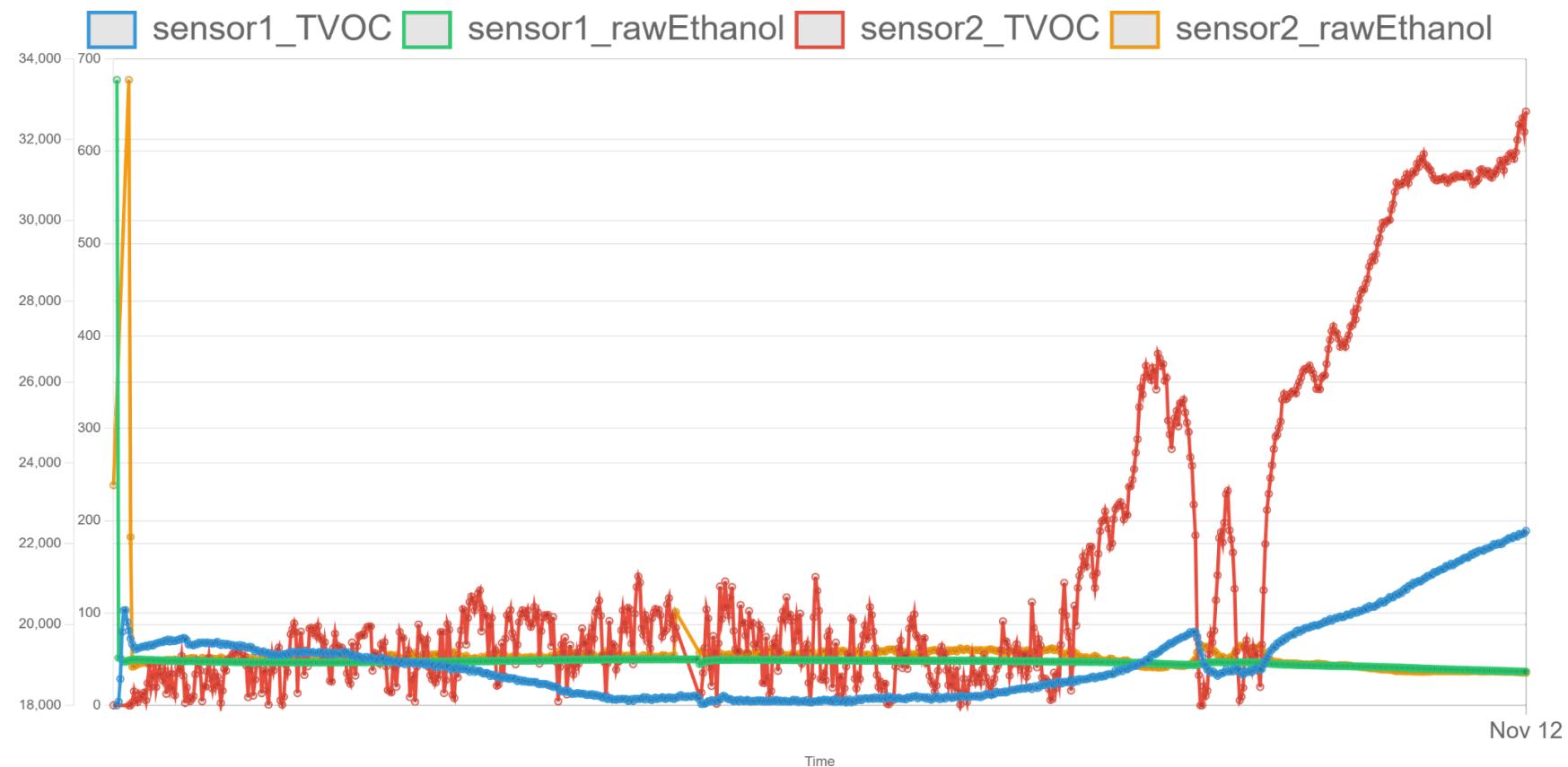
## 11 November Charts / RawH2

Avg of voc &amp; Avg of rawH2 sensor1 and sensor2



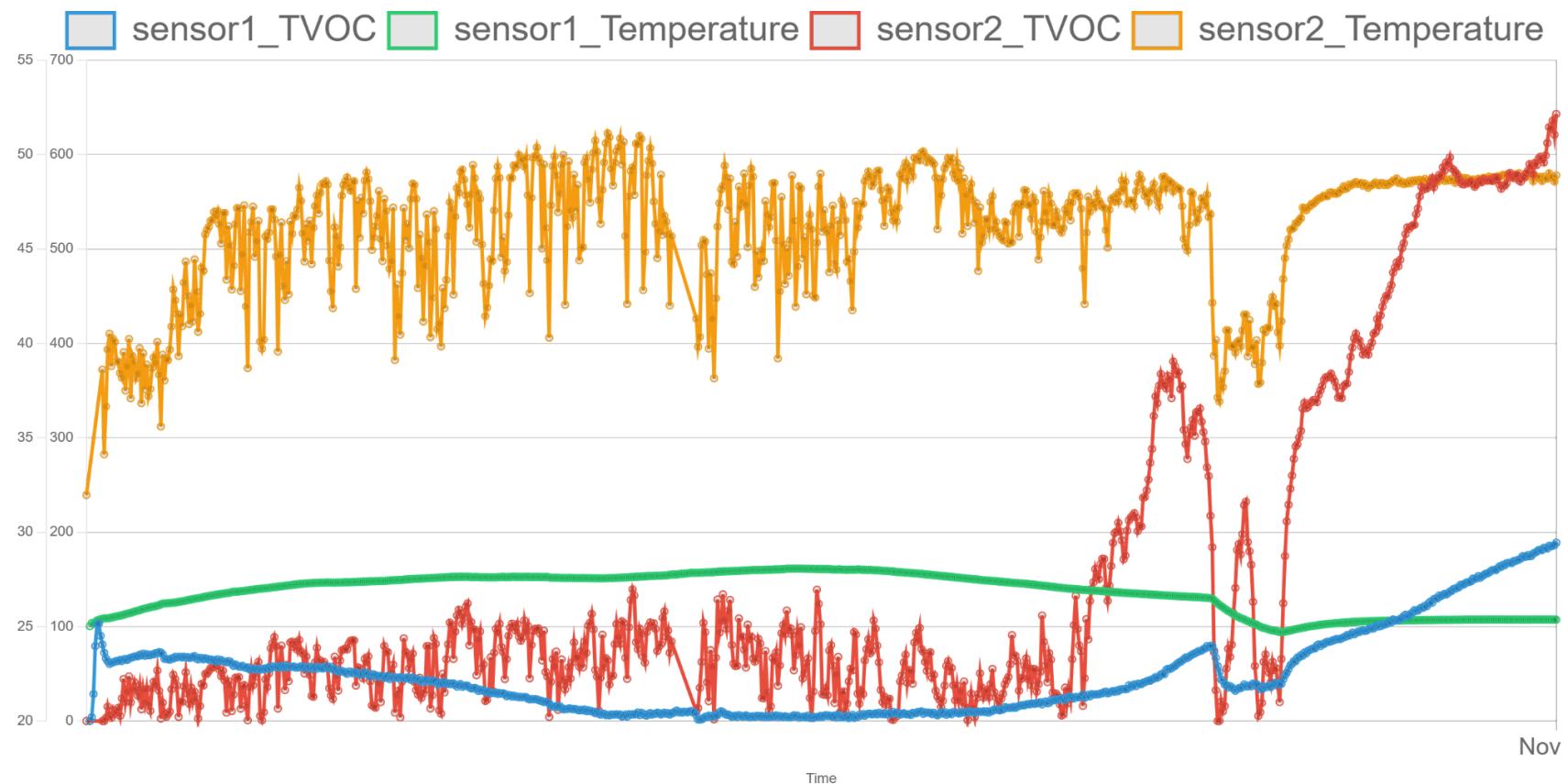
## 11 November Charts / RawEthanol

Avg of voc &amp; Avg of rawEthanol sensor1 and sensor2



## 11 November Charts / Temperature

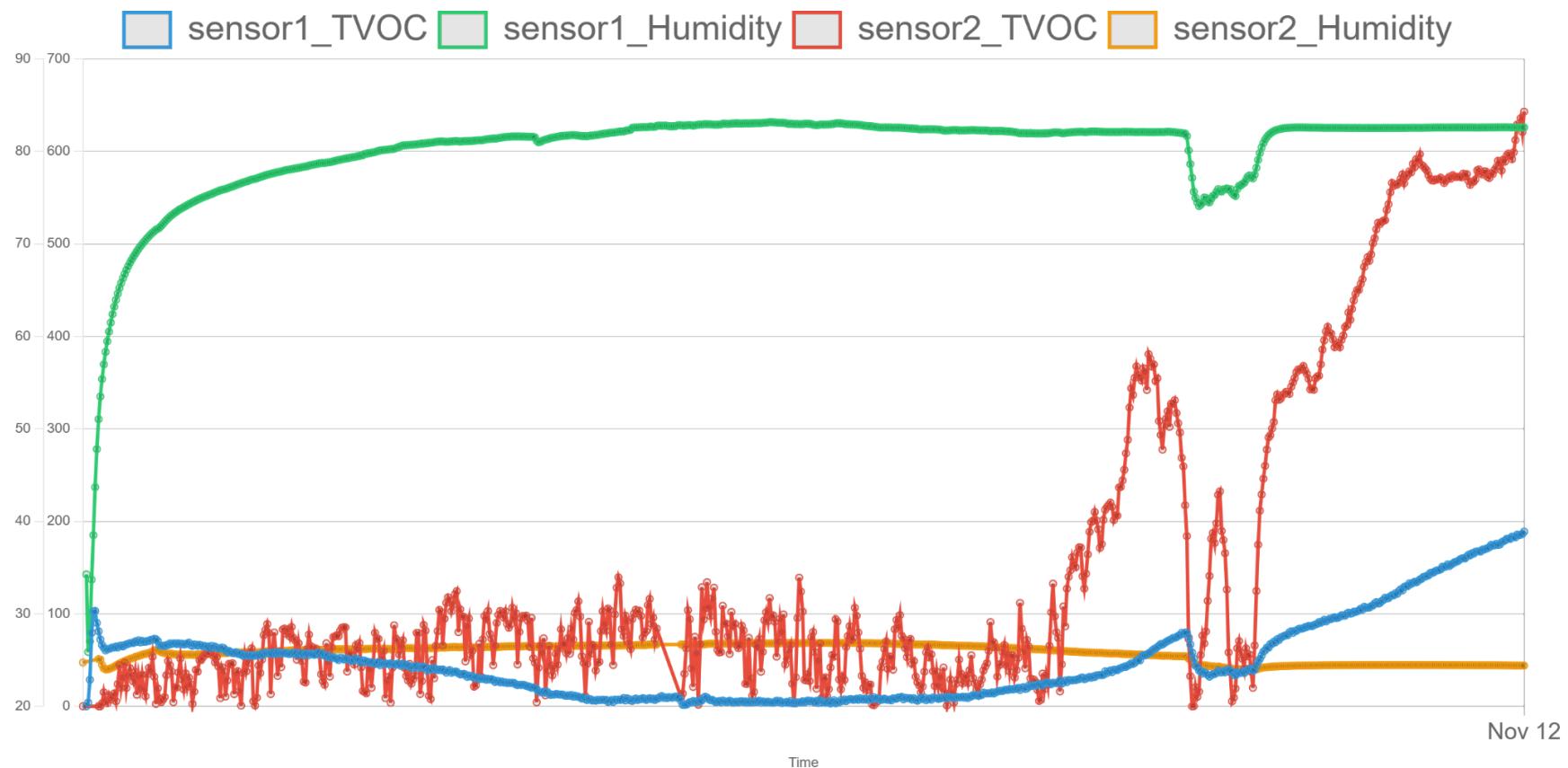
Avg of voc &amp; Avg of Temperature sensor1 and sensor2





## 11 November Charts / Humidity

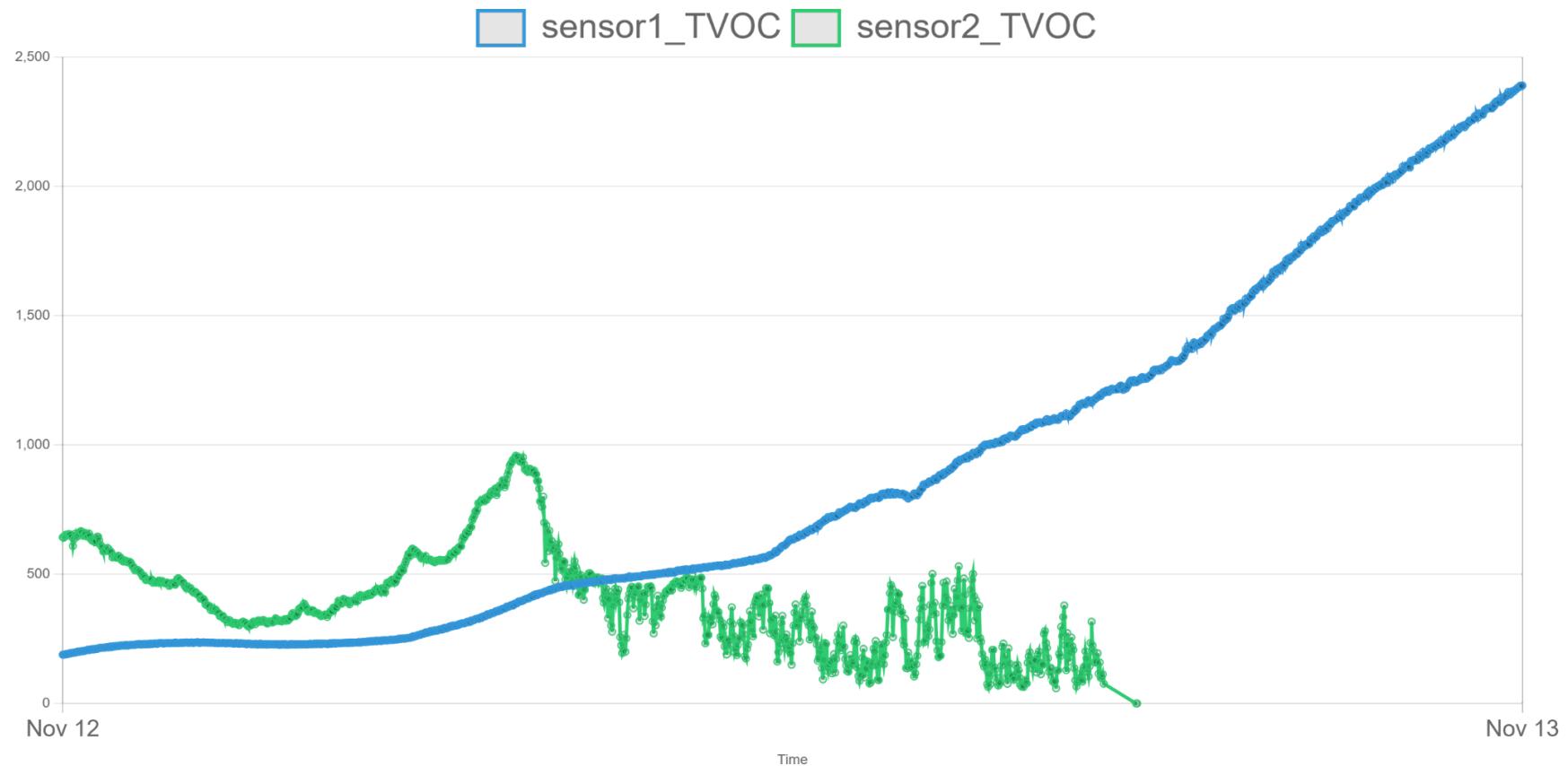
Avg of voc & Avg of Humidity sensor1 and sensor2





## 12 November Charts

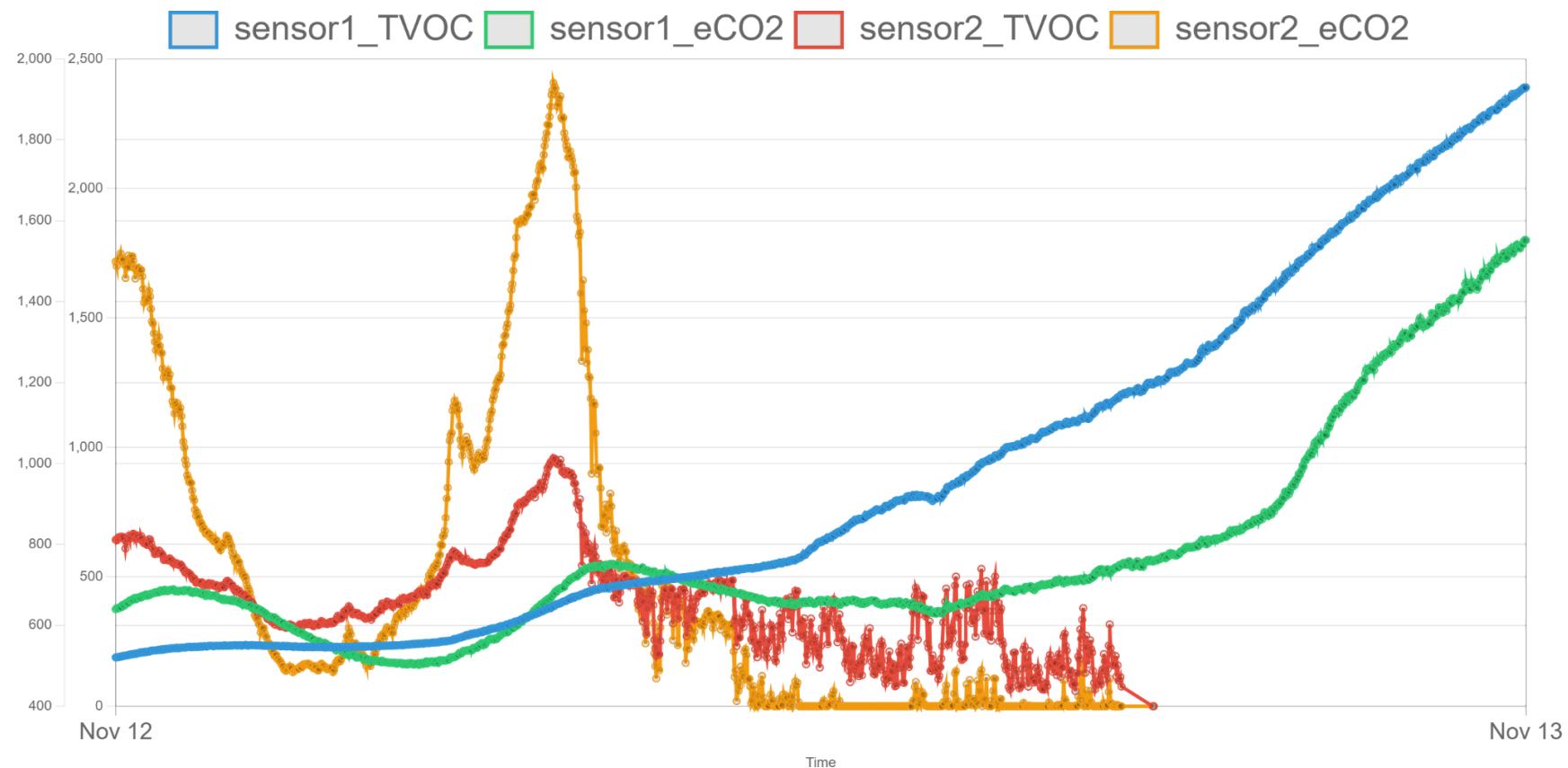
Avg of voc sensor1 and sensor2





## 12 November Charts / CO2

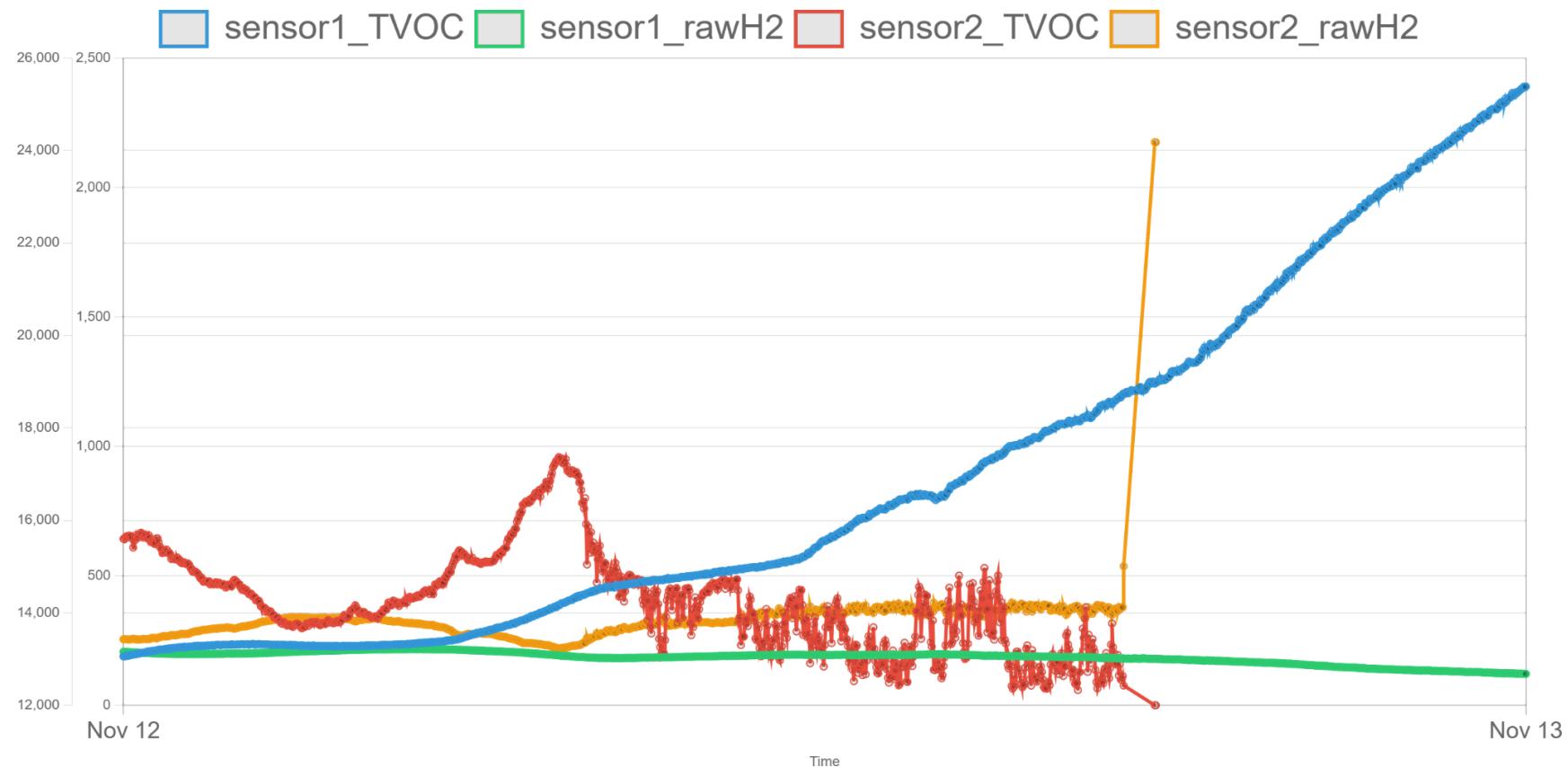
Avg of voc & Avg of co2 sensor1 and sensor2





## 12 November Charts / RawH2

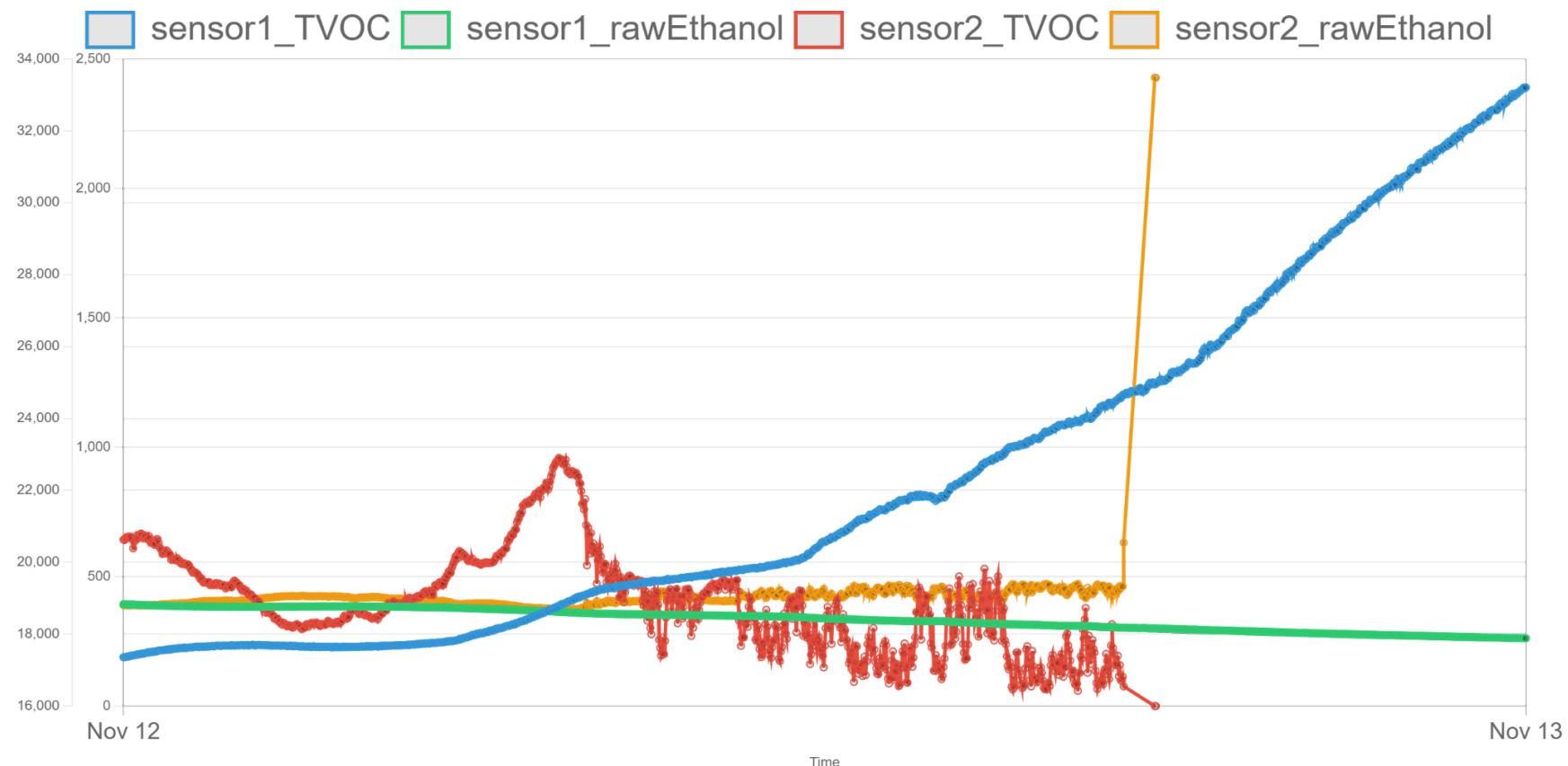
Avg of voc & Avg of rawh2 sensor1 and sensor2





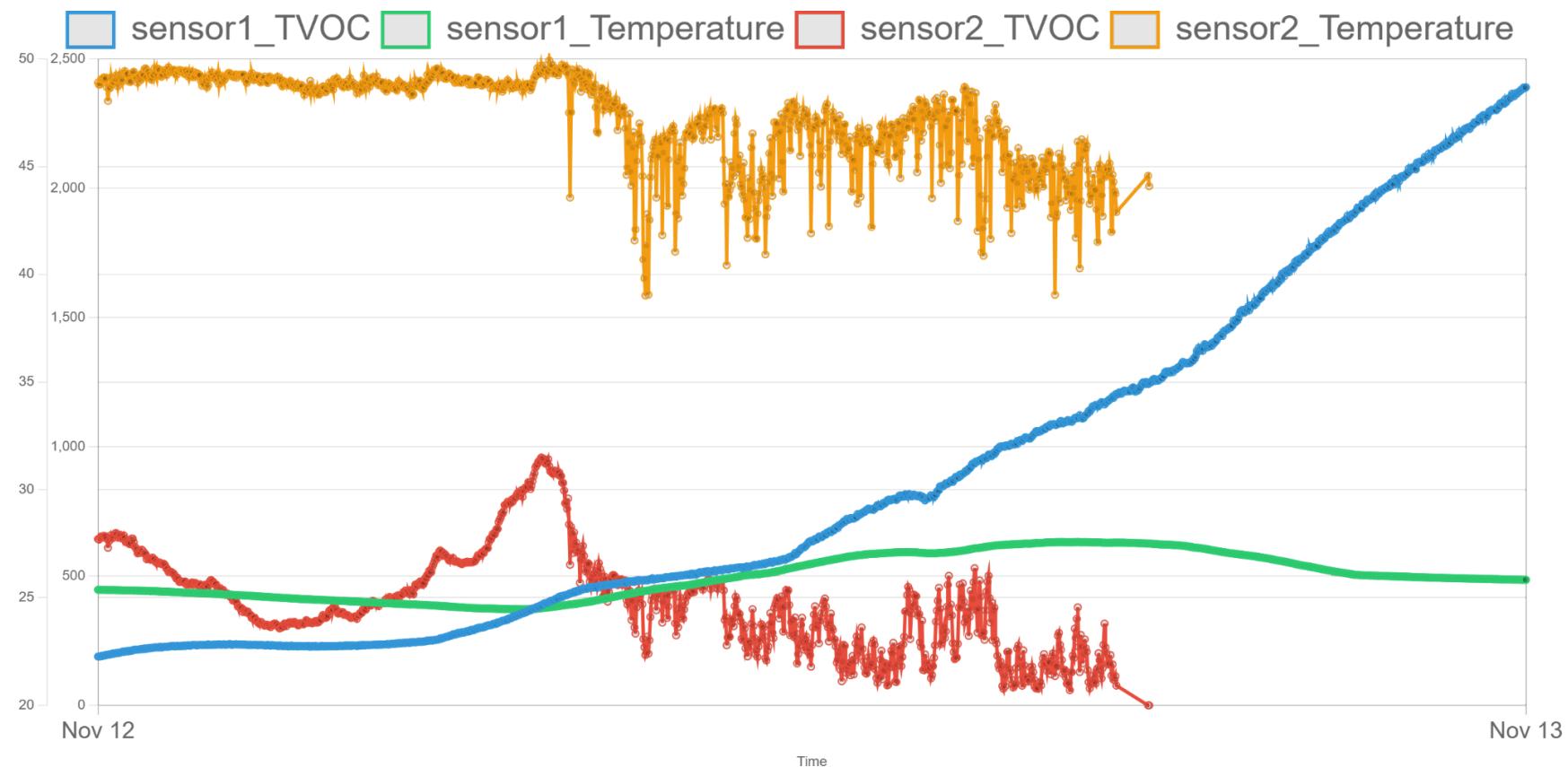
## 12 November Charts / RawEthanol

Avg of voc & Avg of rawEthanol sensor1 and sensor2



## 12 November Charts / Temperature

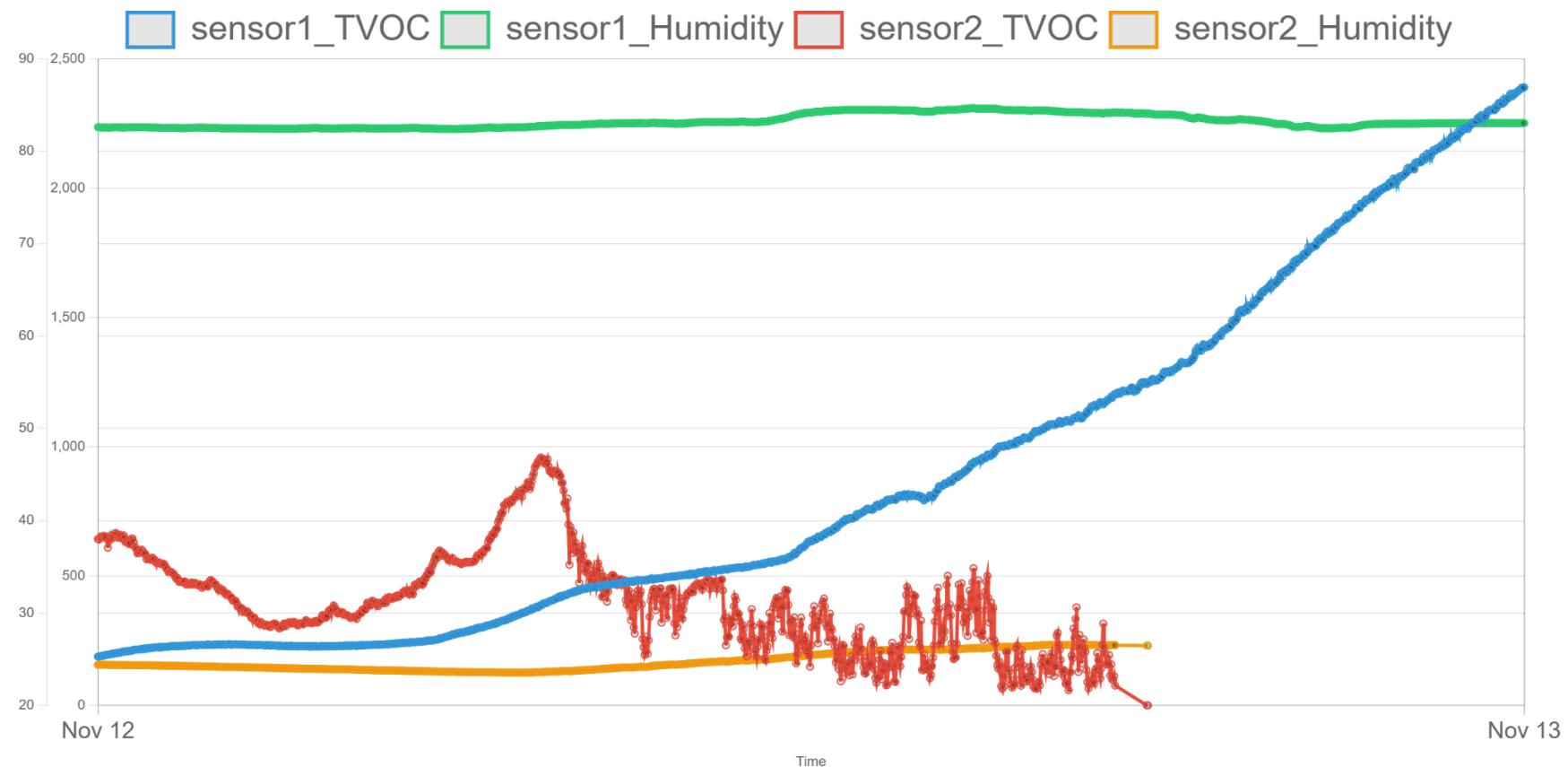
Avg of voc &amp; Avg of Temperature sensor1 and sensor2





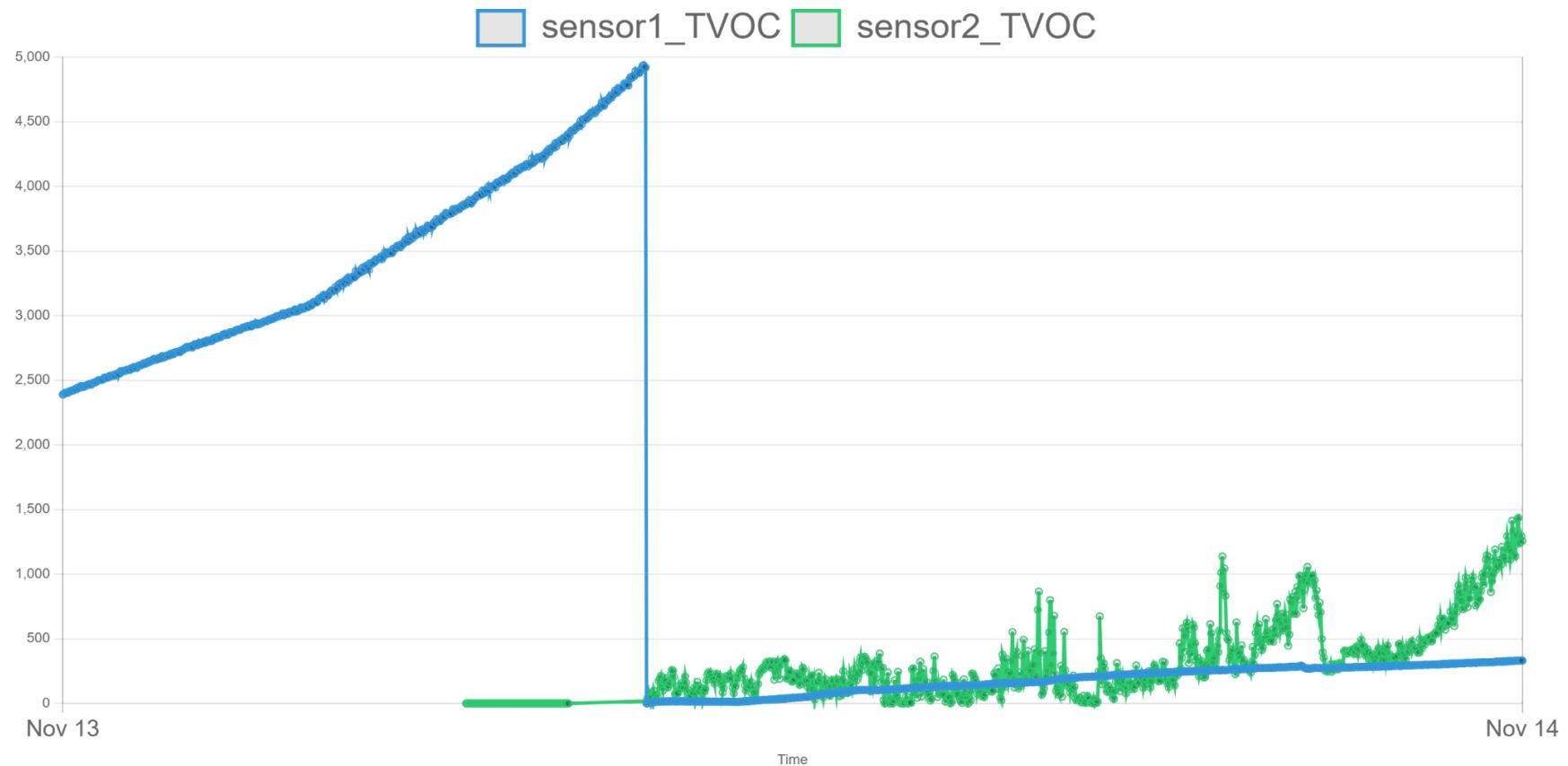
## 12 November Charts/ Humidity

Avg of voc & Avg of Humidity sensor1 and sensor2



## 13 November Charts

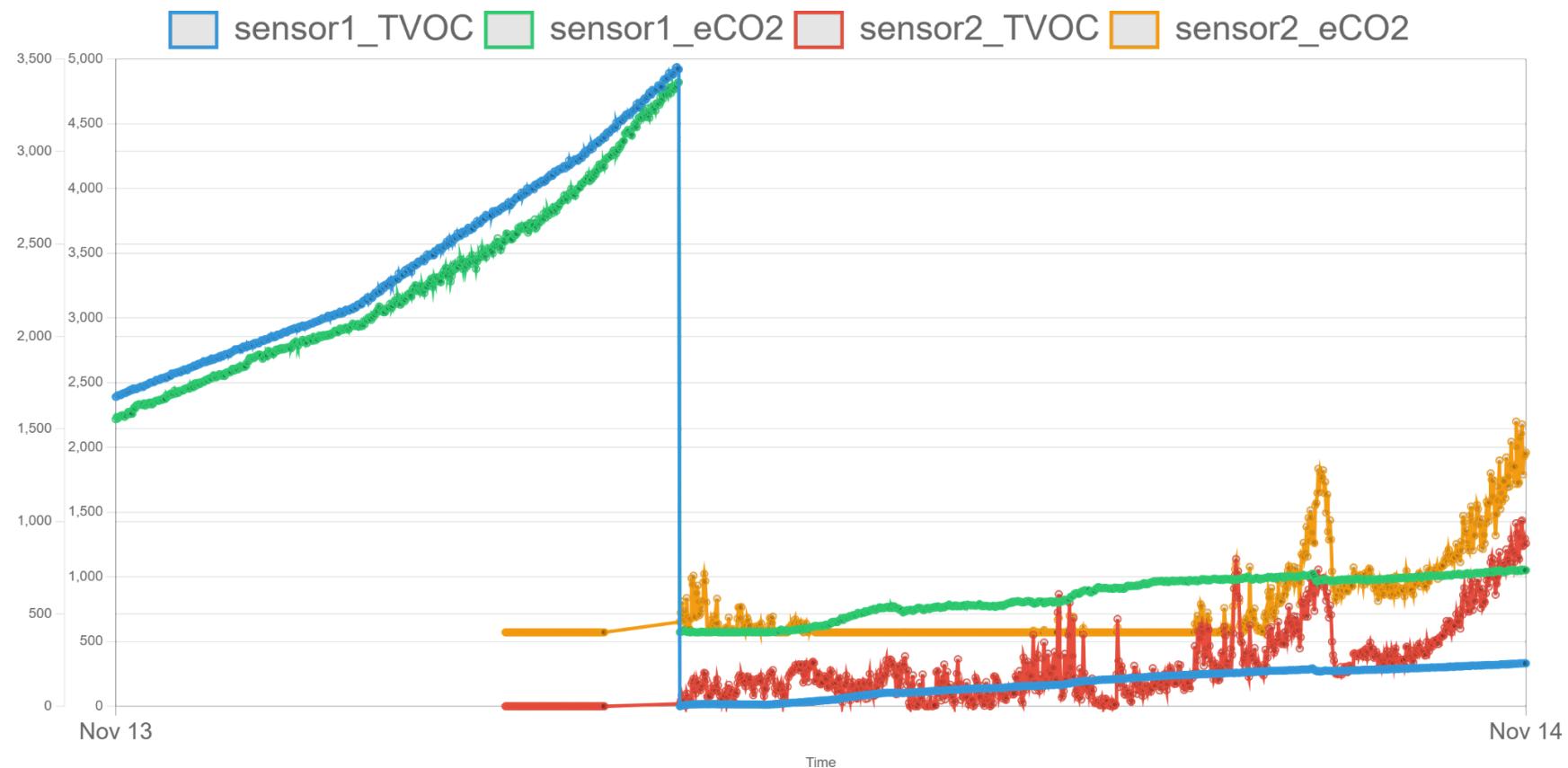
Avg of voc sensor1 and sensor2





## 13 November Charts / CO2

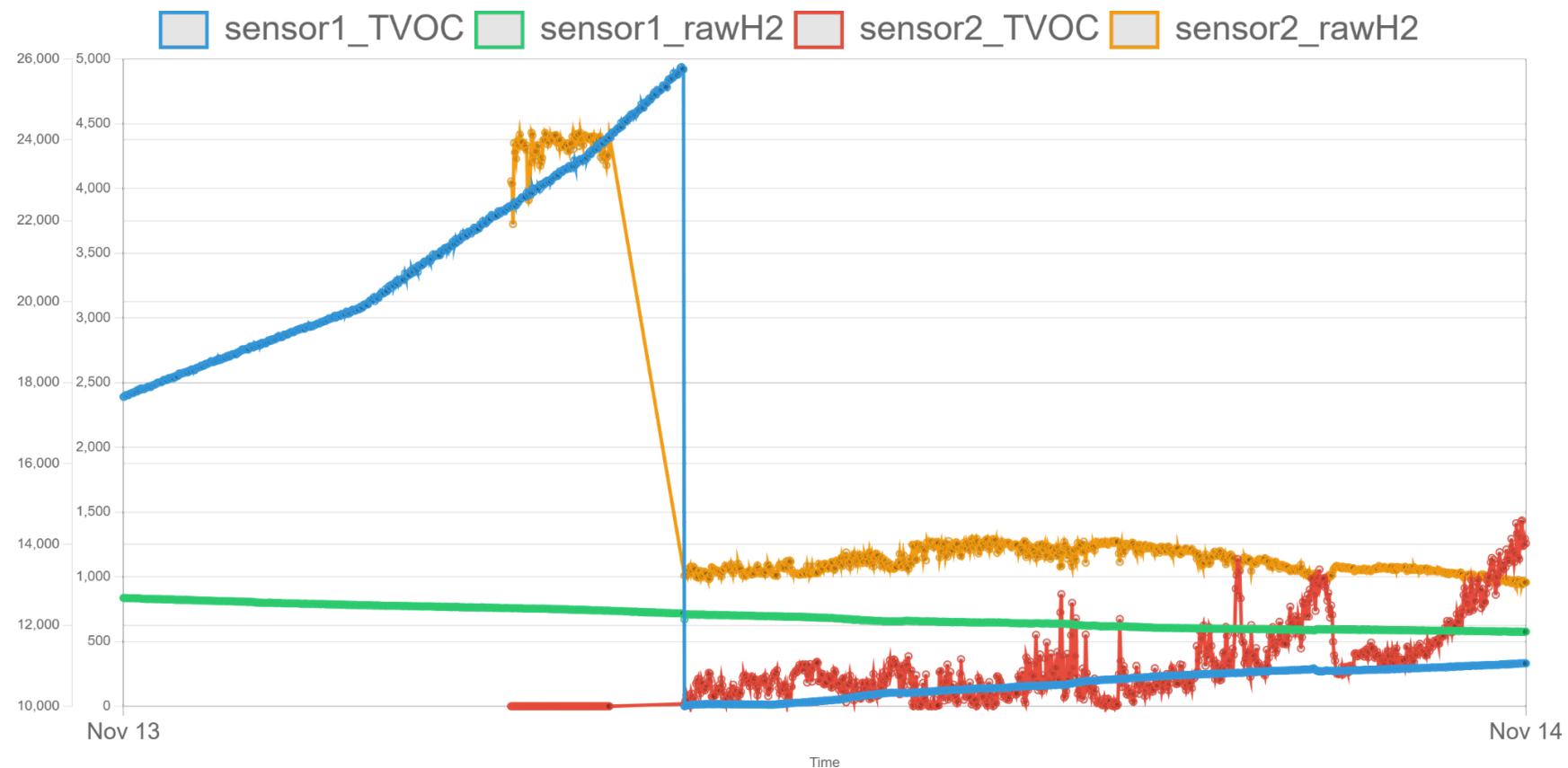
Avg of voc & Avg of co2 sensor1 and sensor2





## 13 November Charts / RawH2

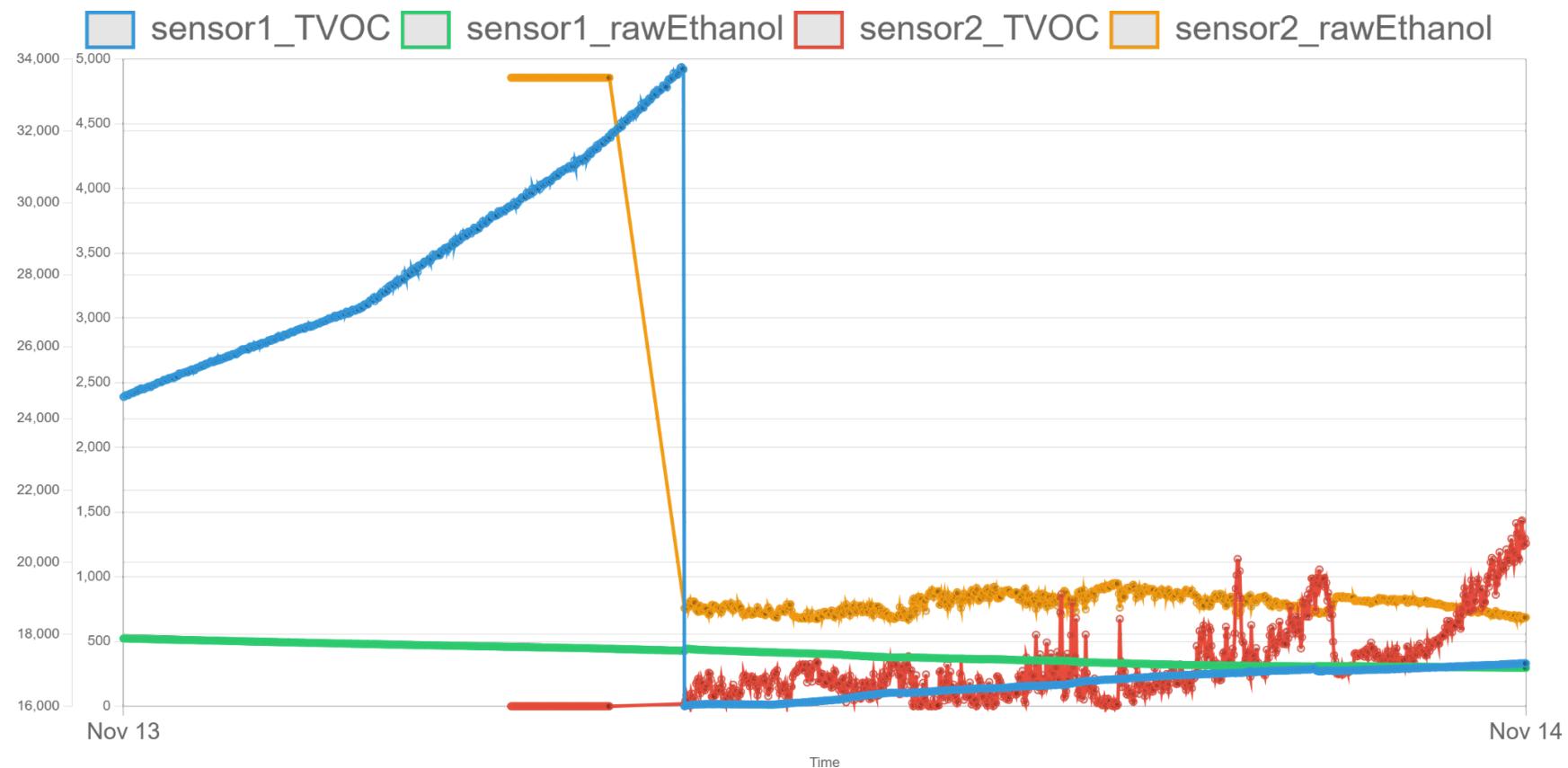
Avg of voc & Avg of rawh2 sensor1 and sensor2





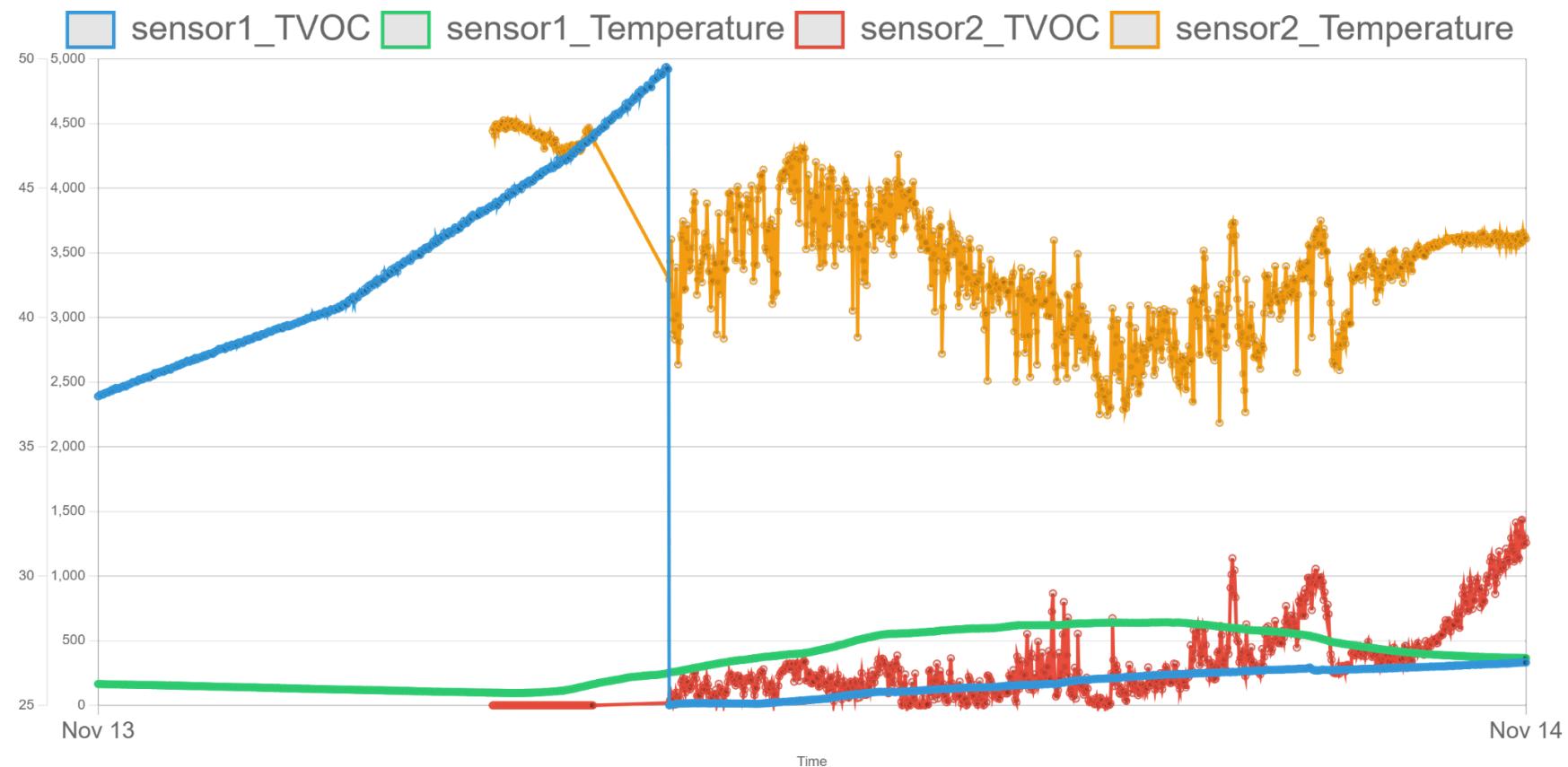
## 13 November Charts / RawEthanol

Avg of voc & Avg of rawEthanol sensor1 and sensor2



## 13 November Charts / Temperature

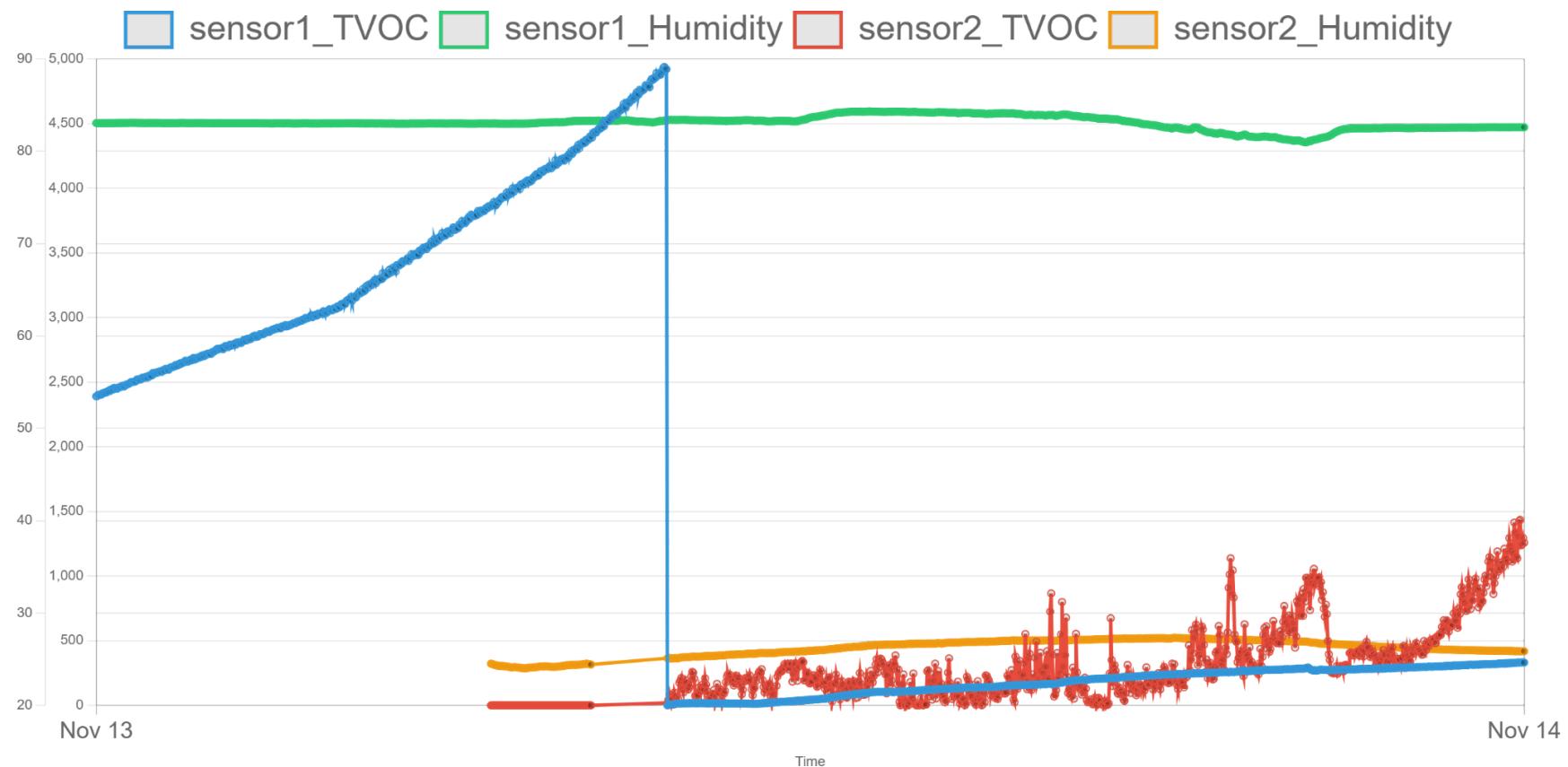
Avg of voc &amp; Avg of Temperature sensor1 and sensor2





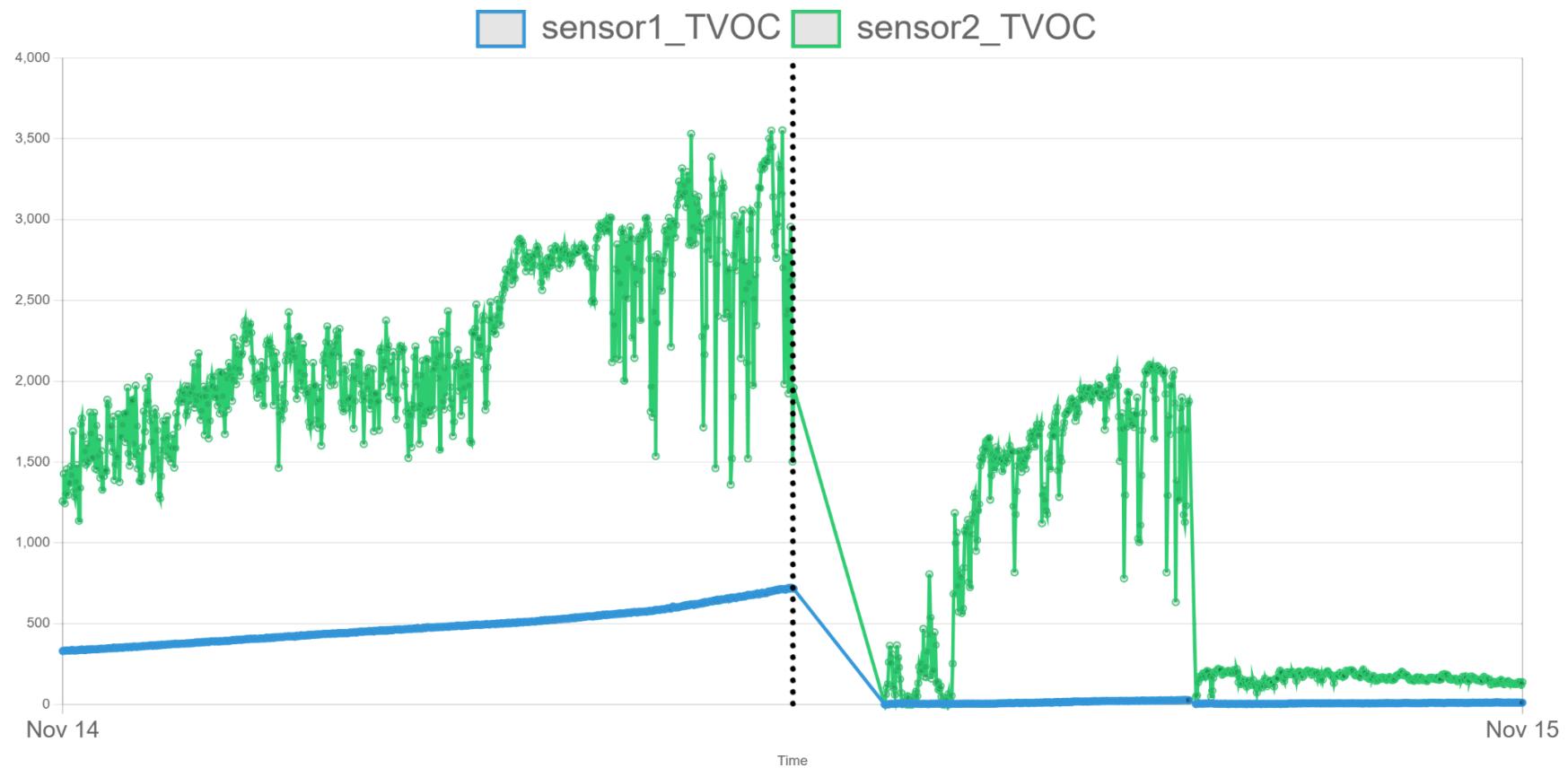
## 13 November Charts/ Humidity

Avg of voc & Avg of Humidity sensor1 and sensor2



## 14 November Charts

Avg of voc sensor1 and sensor2

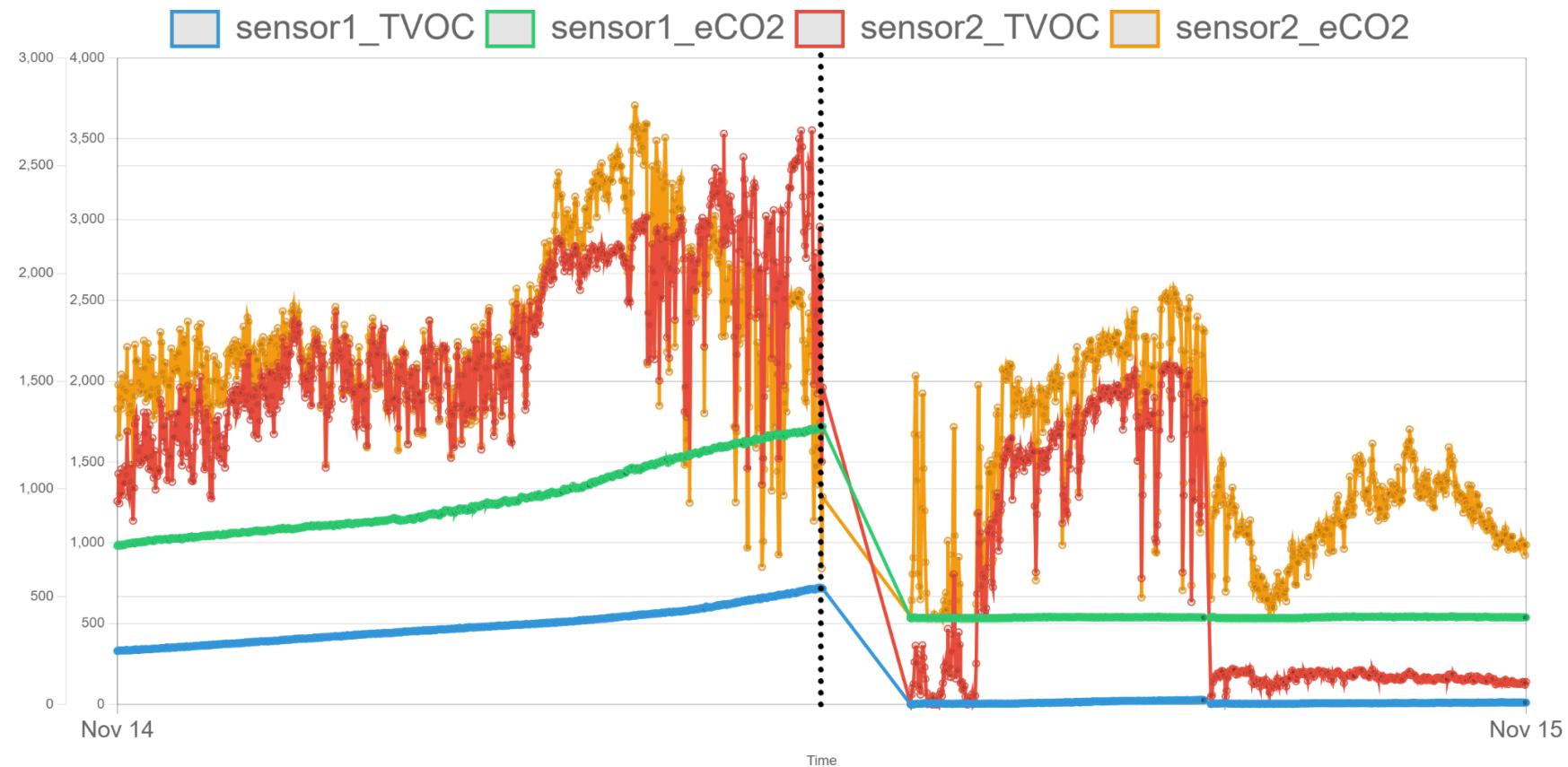


- black dot-line indicate Perfect Ripening Point



## 14 November Charts / CO2

Avg of voc & Avg of co2 sensor1 and sensor2

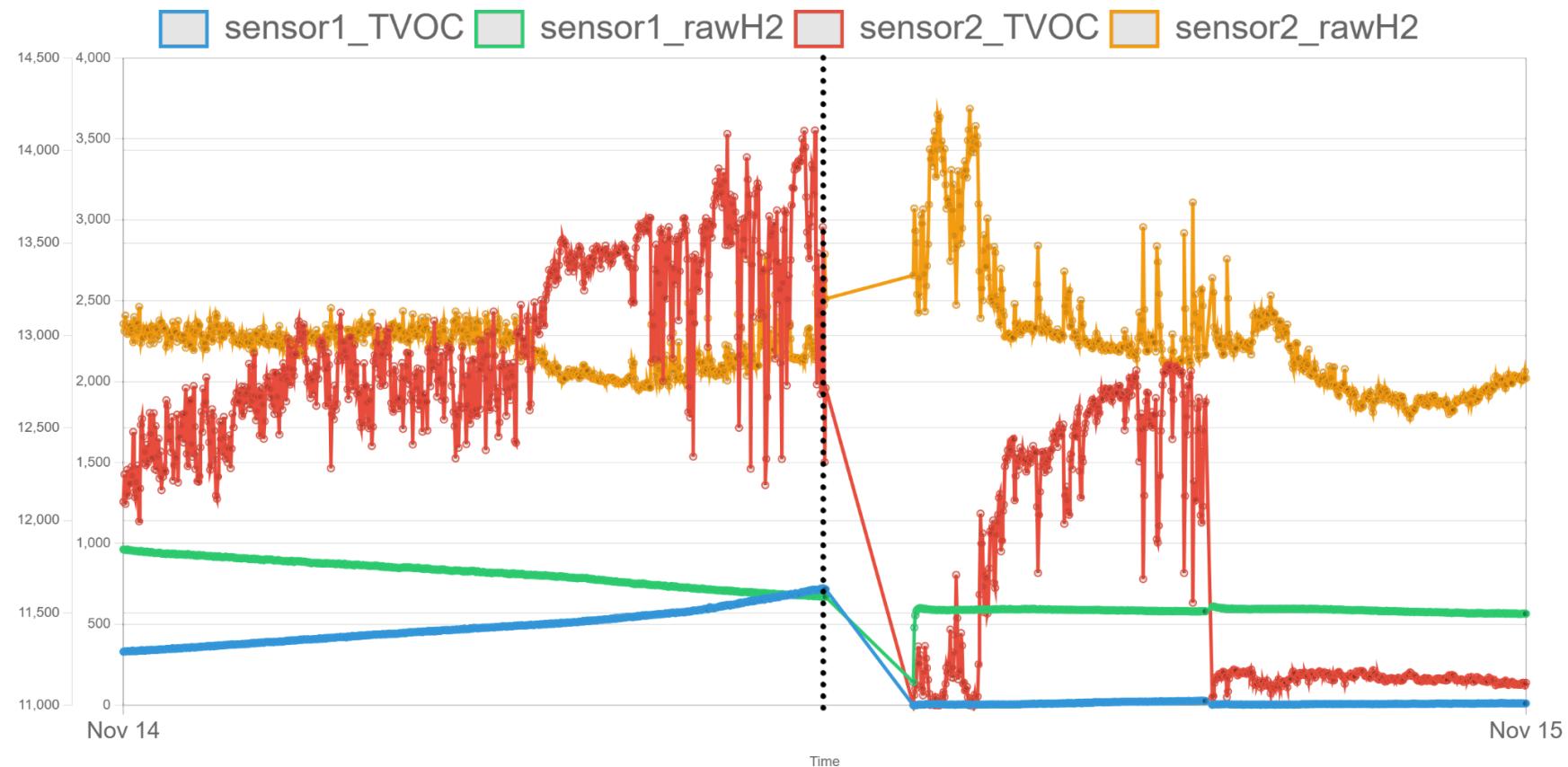


- black dot-line indicate Perfect Ripening Point



## 14 November Charts / RawH2

Avg of voc & Avg of rawh2 sensor1 and sensor2



- black dot-line indicate Perfect Ripening Point



## 14 November Charts / RawEthanol

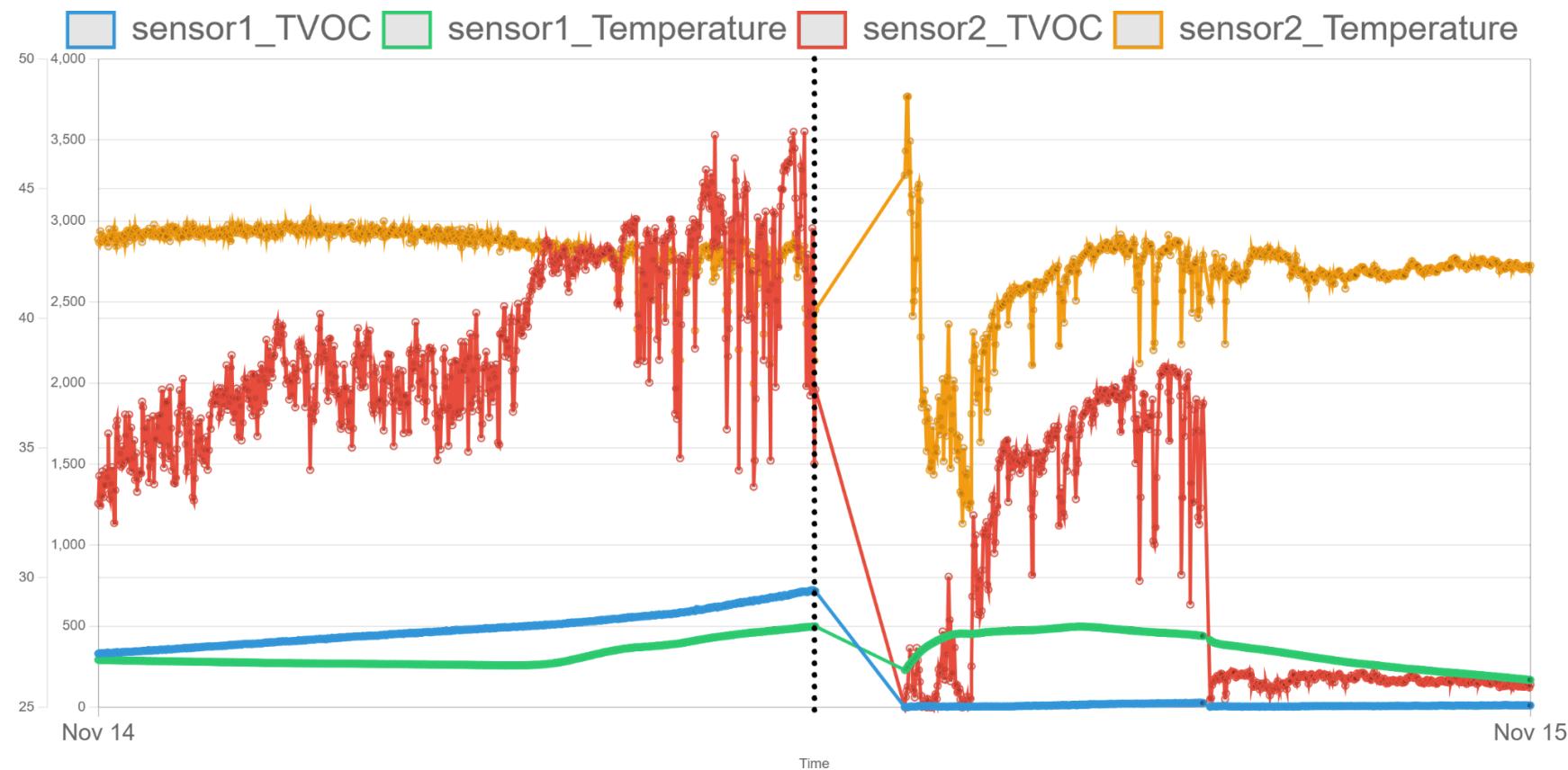
Avg of voc & Avg of rawEthanol sensor1 and sensor2



- black dot-line indicate Perfect Ripening Point

## 14 November Charts / Temperature

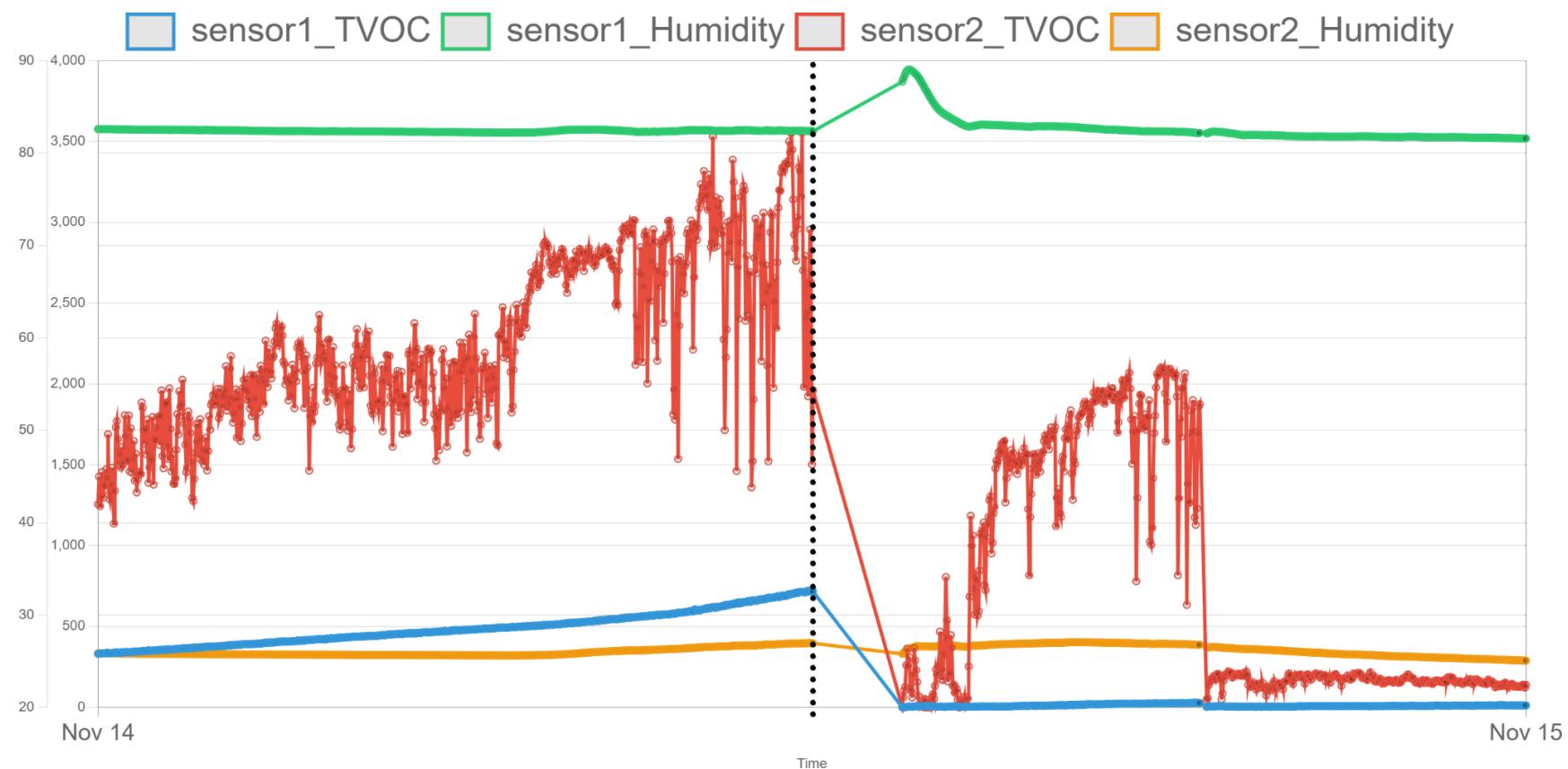
Avg of voc &amp; Avg of Temperature sensor1 and sensor2



- black dot-line indicate Perfect Ripening Point

## 14 November Charts/ Humidity

Avg of voc &amp; Avg of Humidity sensor1 and sensor2

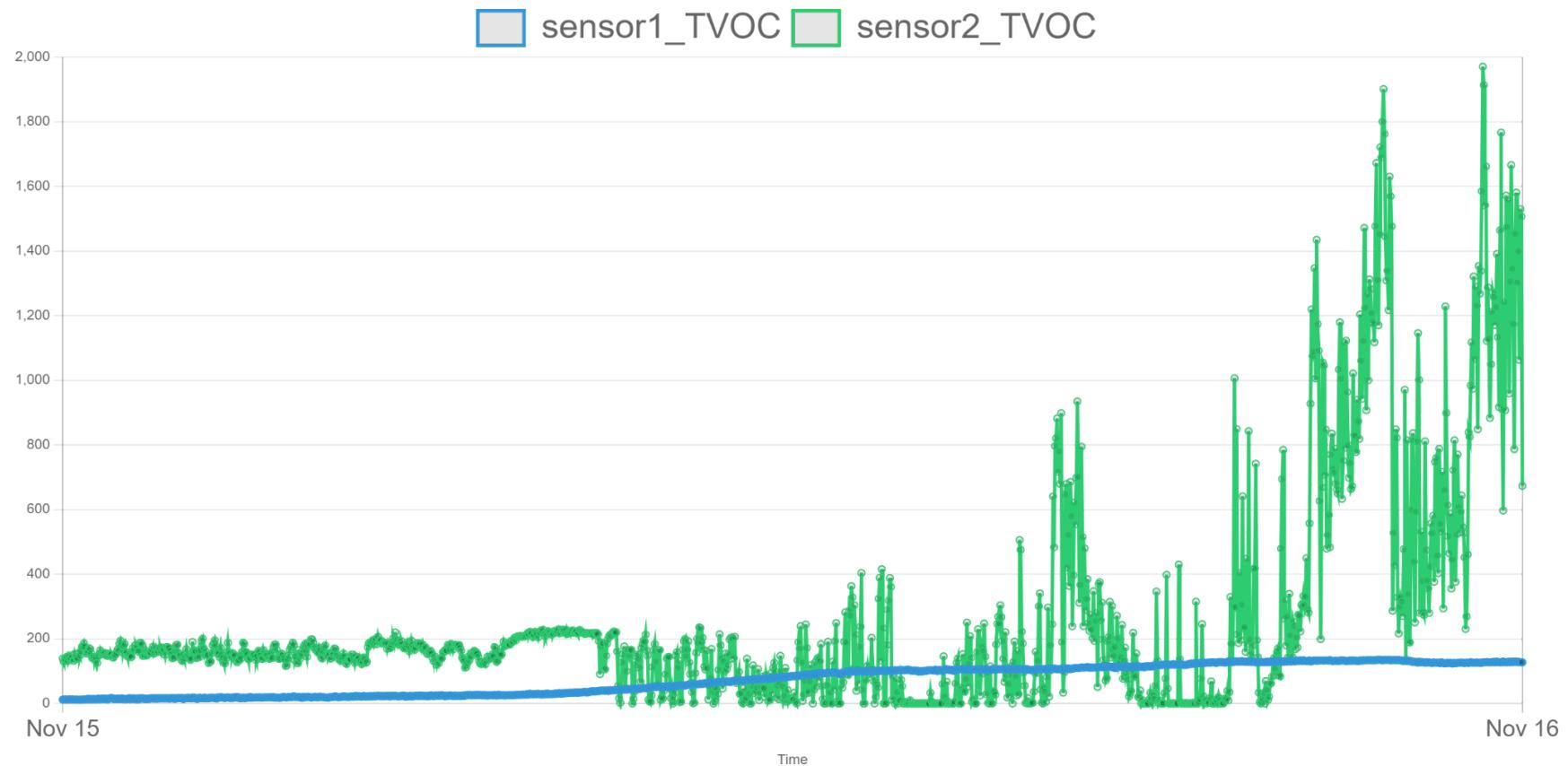


- black dot-line indicate Perfect Ripening Point



## 15 November Charts

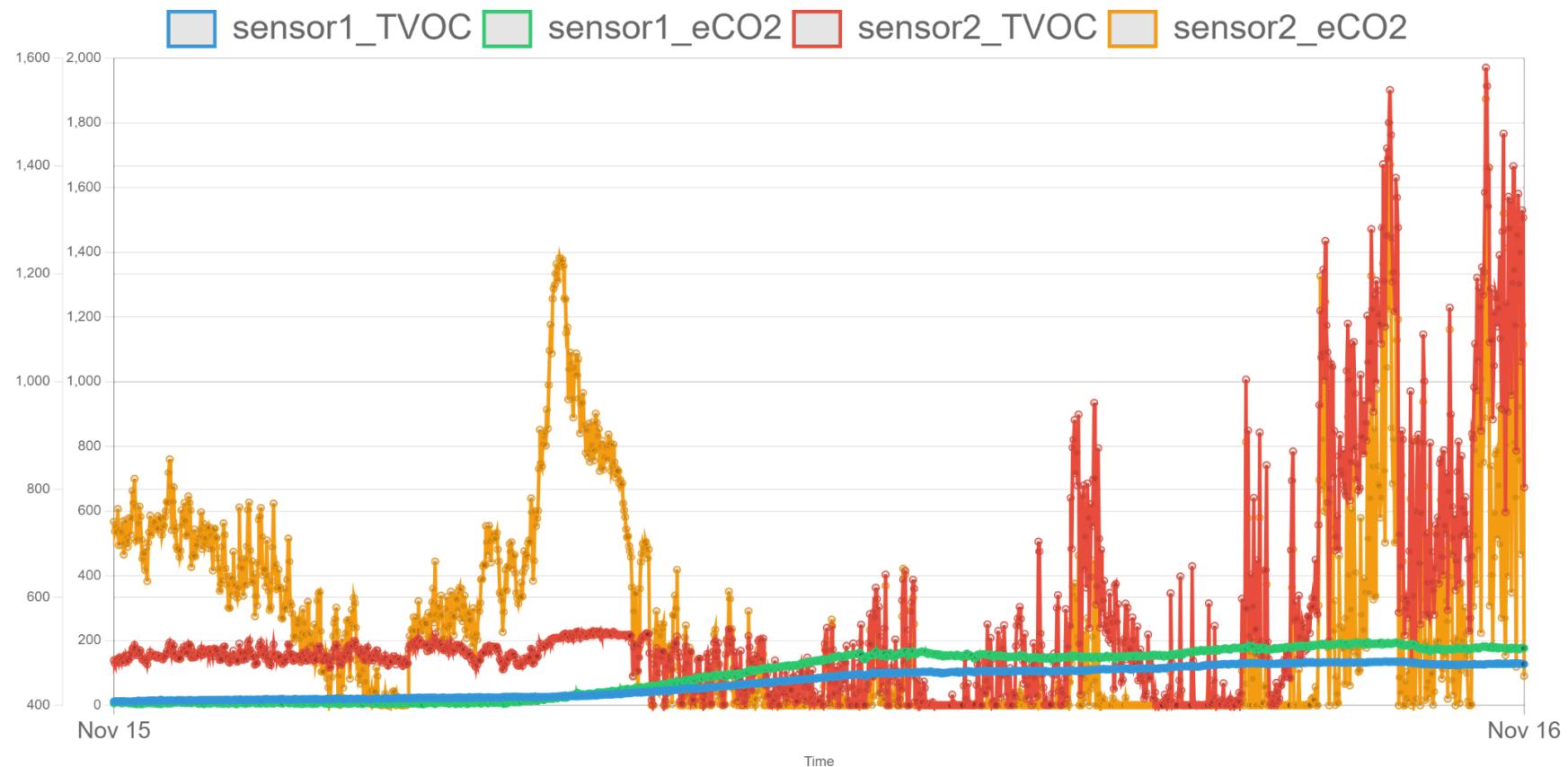
Avg of voc sensor1 and sensor2





## 15 November Charts / CO2

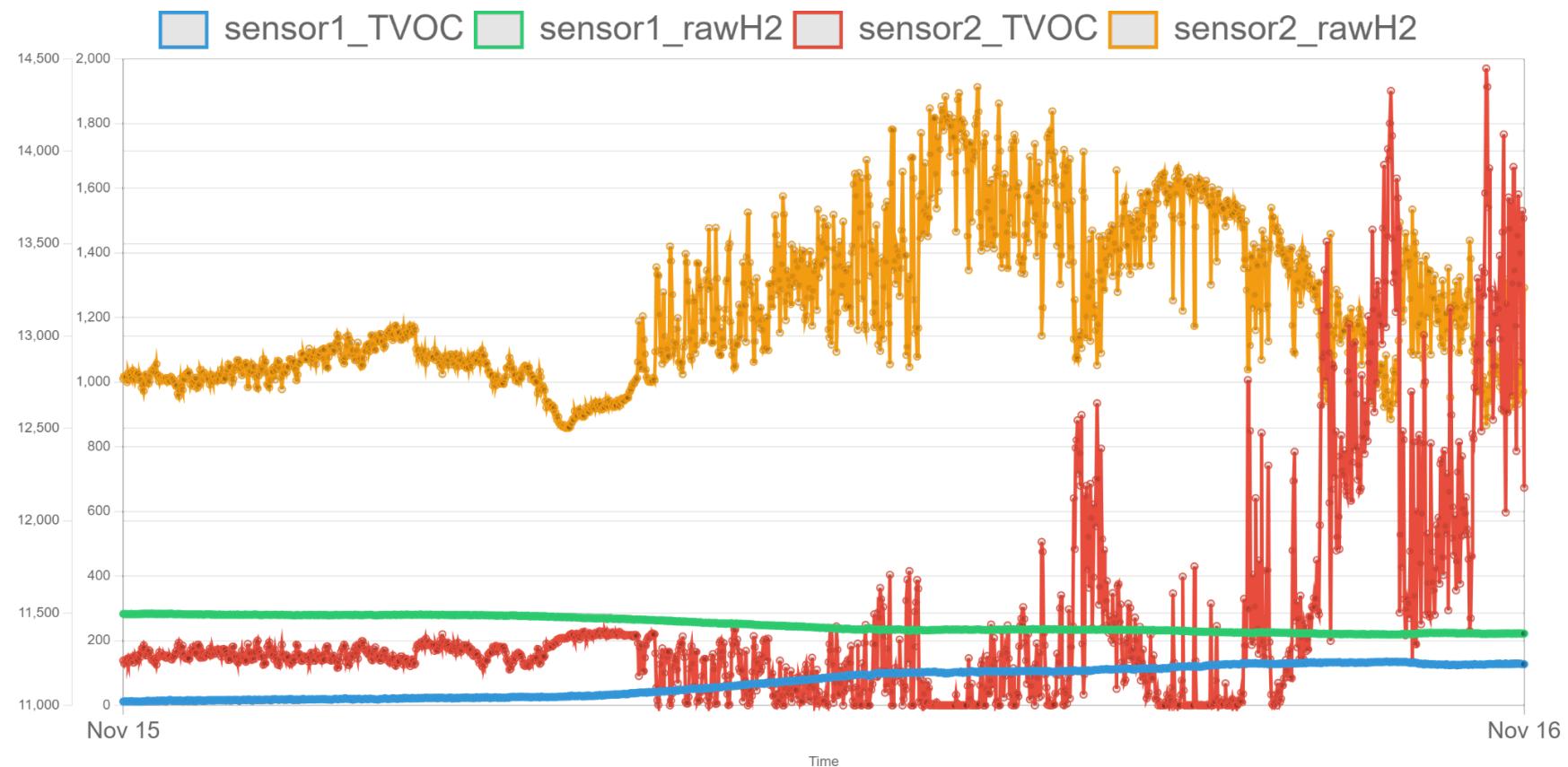
Avg of voc & Avg of co2 sensor1 and sensor2





## 15 November Charts / RawH2

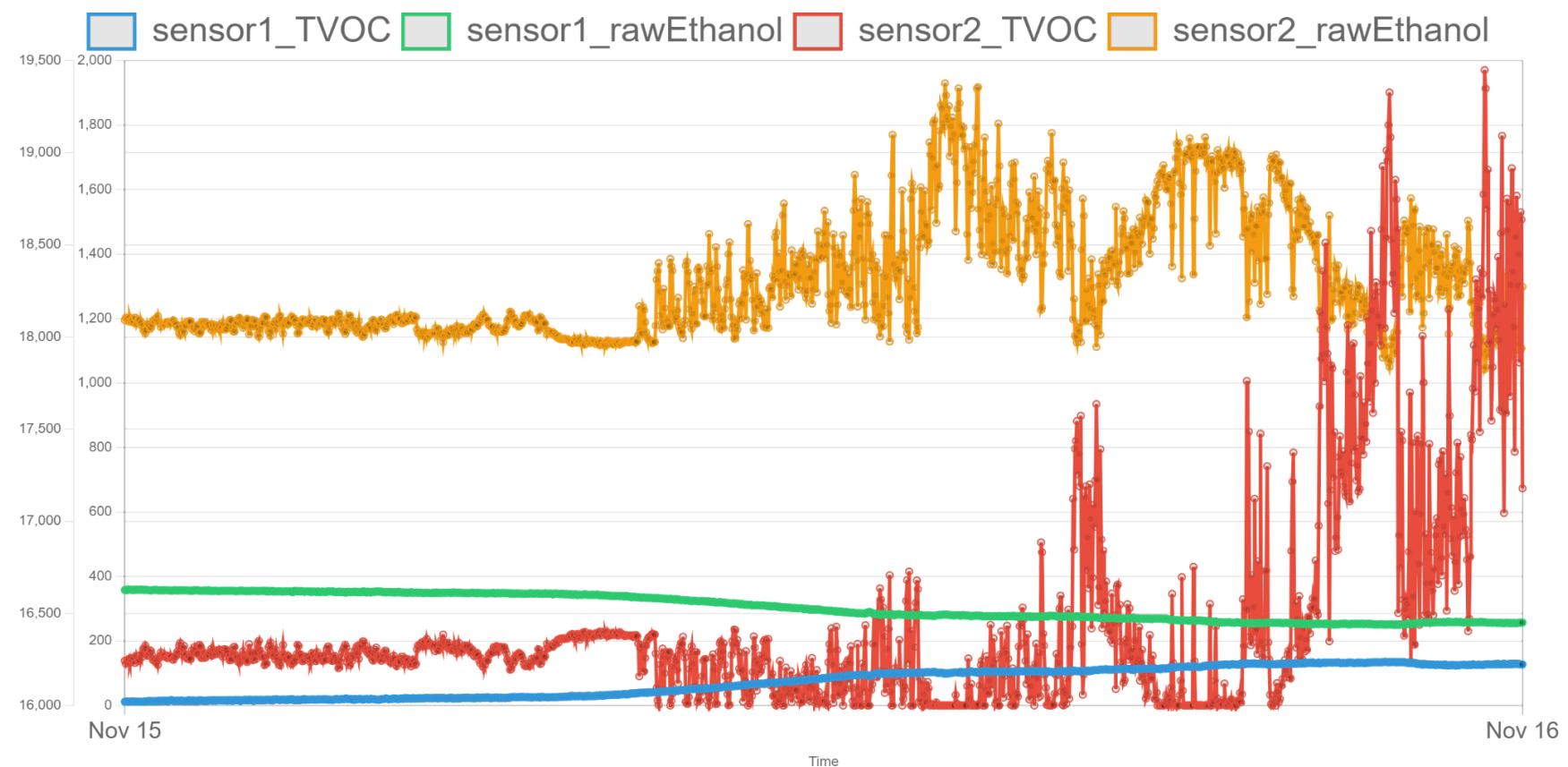
Avg of voc & Avg of rawh2 sensor1 and sensor2





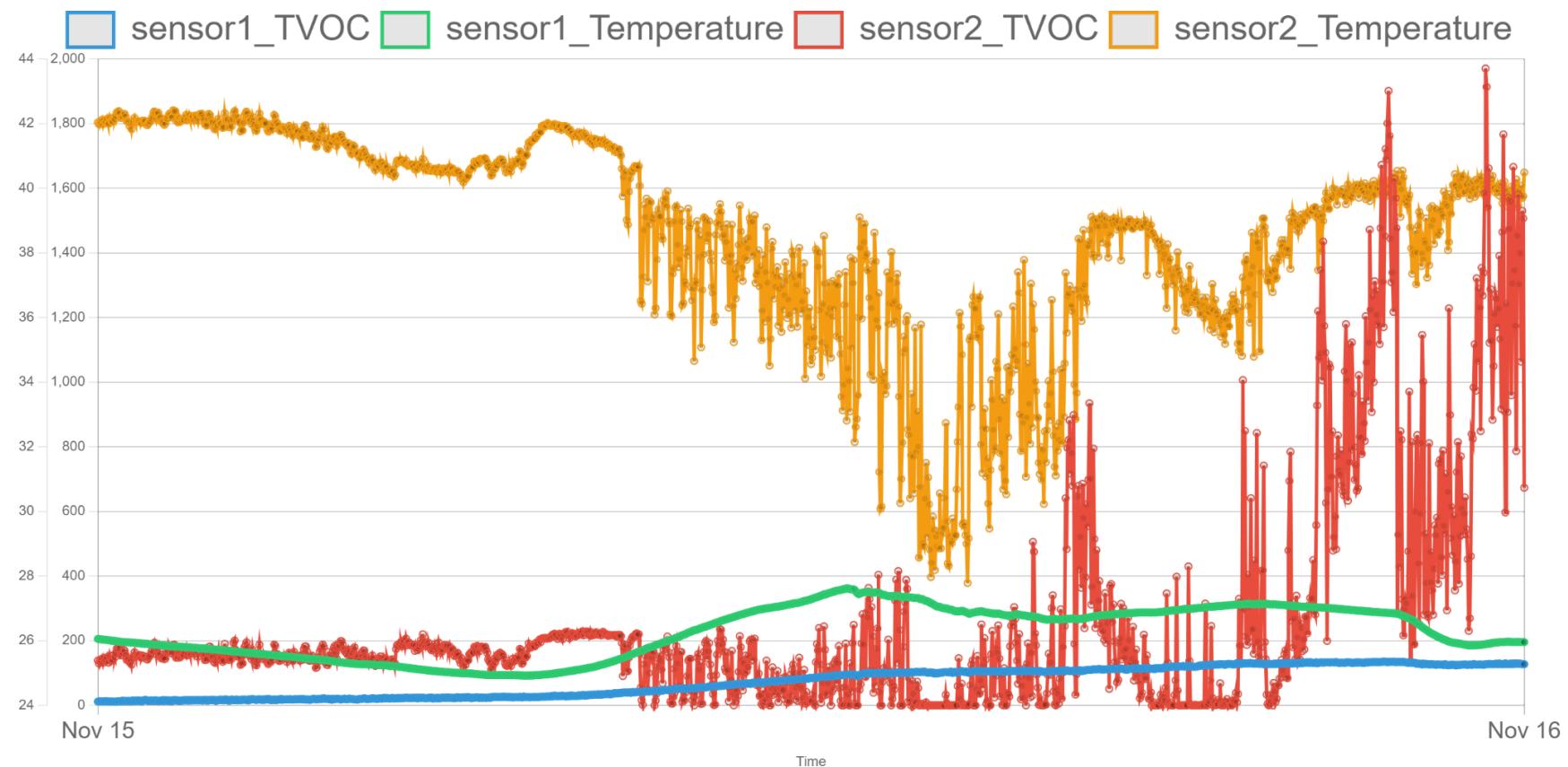
## 15 November Charts / RawEthanol

Avg of voc & Avg of rawEthanol sensor1 and sensor2



## 15 November Charts / Temperature

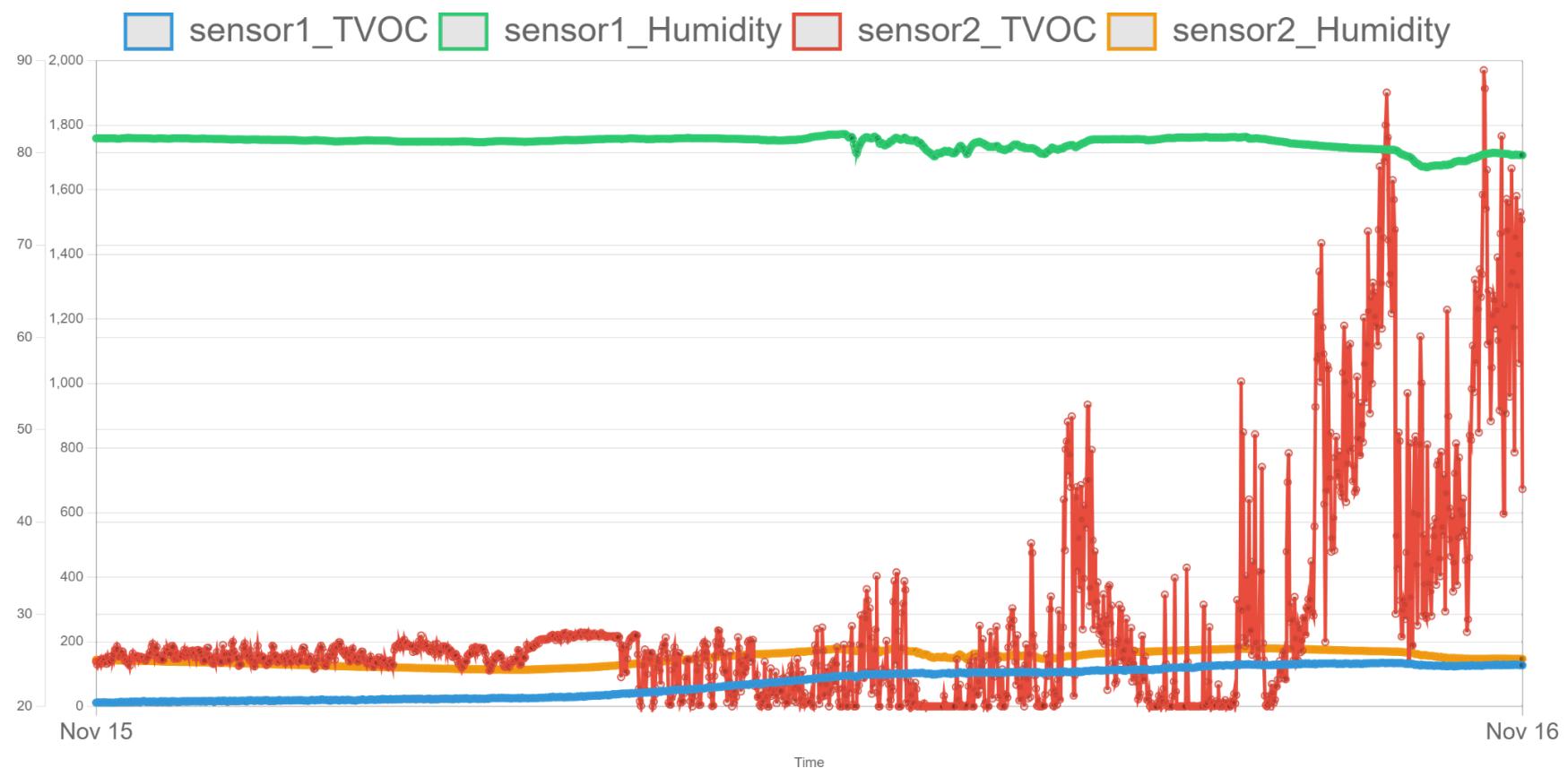
Avg of voc &amp; Avg of Temperature sensor1 and sensor2





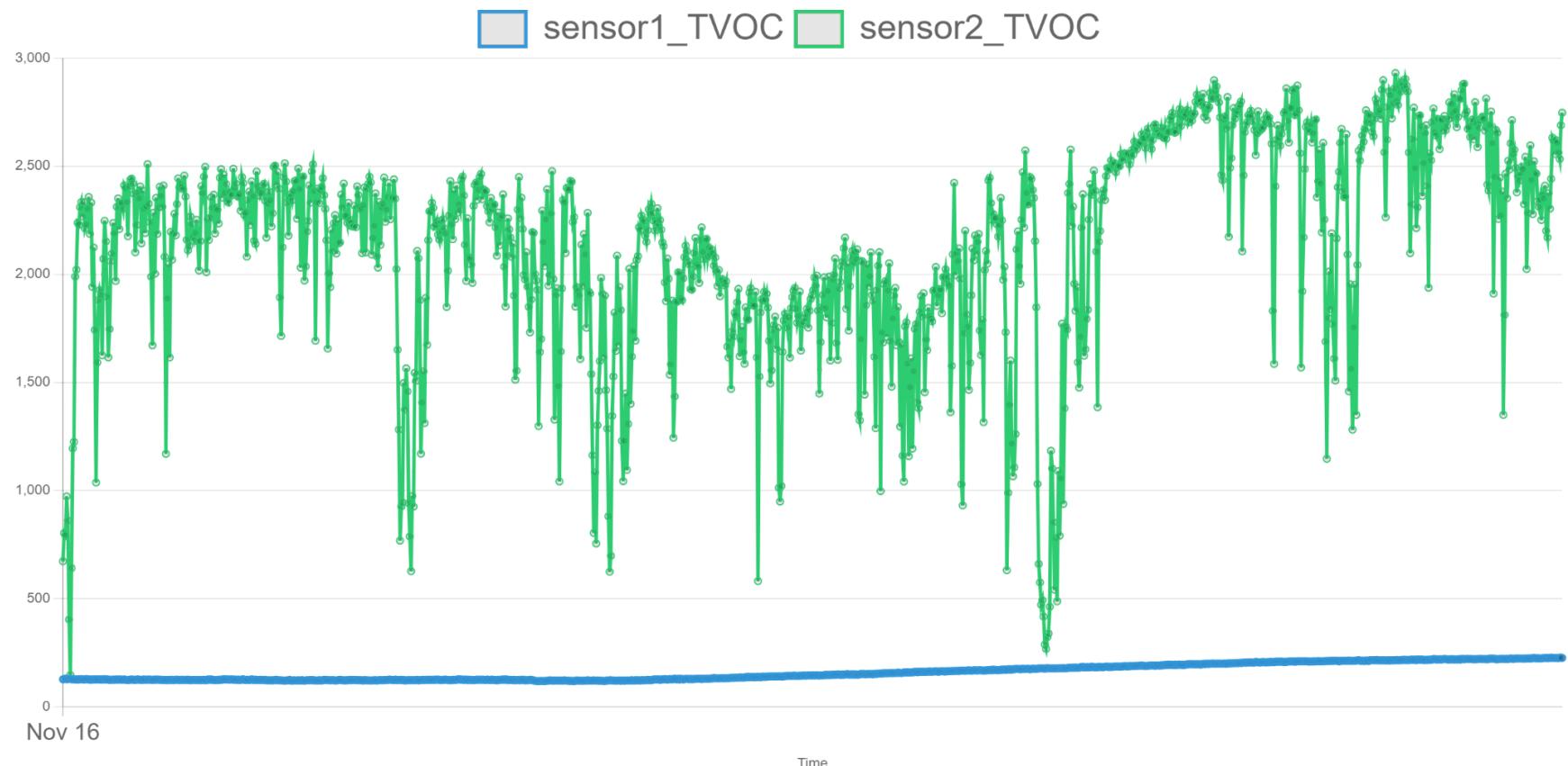
## 15 November Charts/ Humidity

Avg of voc & Avg of Humidity sensor1 and sensor2



## 16 November Charts

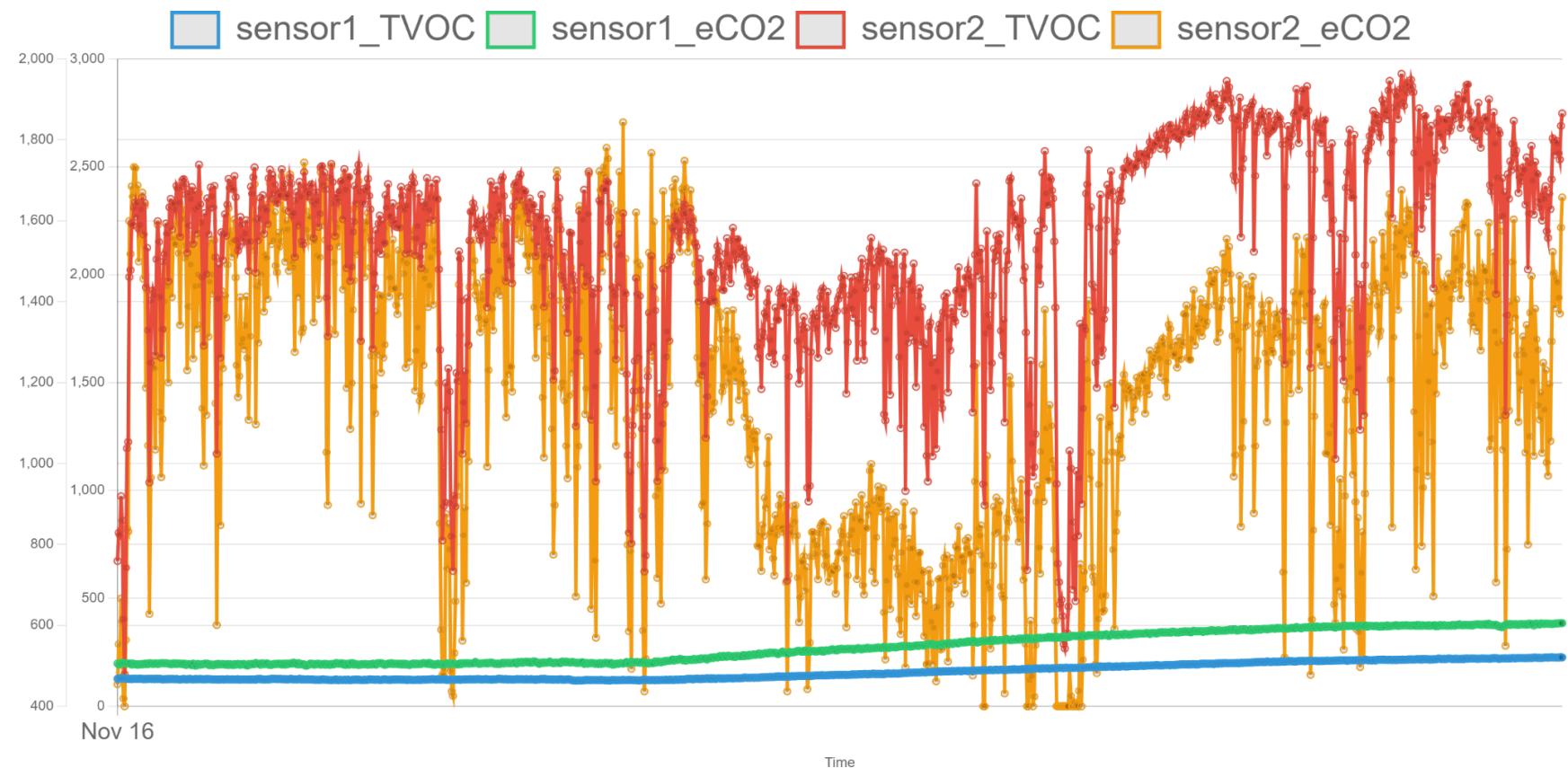
Avg of voc sensor1 and sensor2





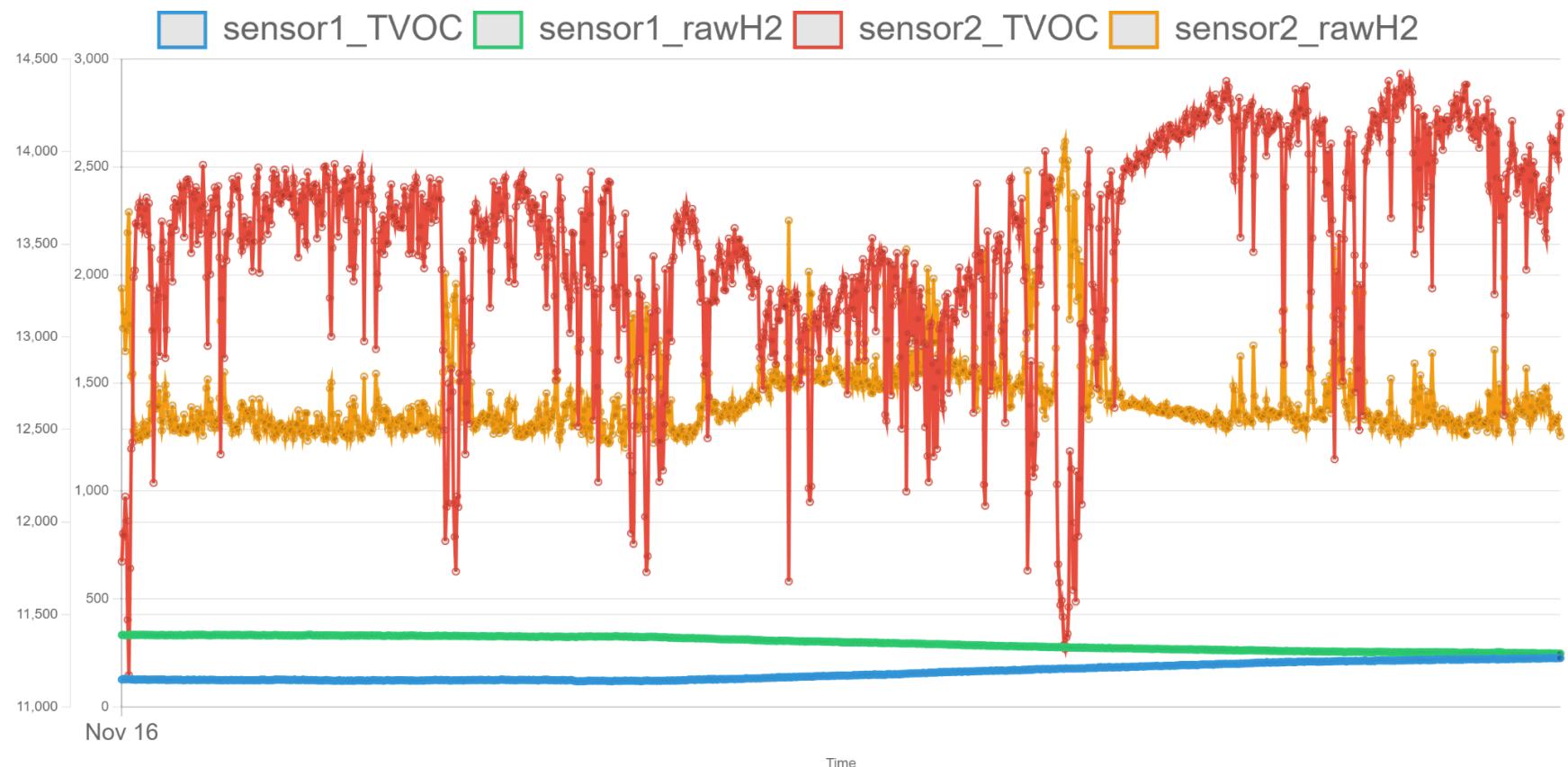
## 16 November Charts / CO2

Avg of voc & Avg of co2 sensor1 and sensor2



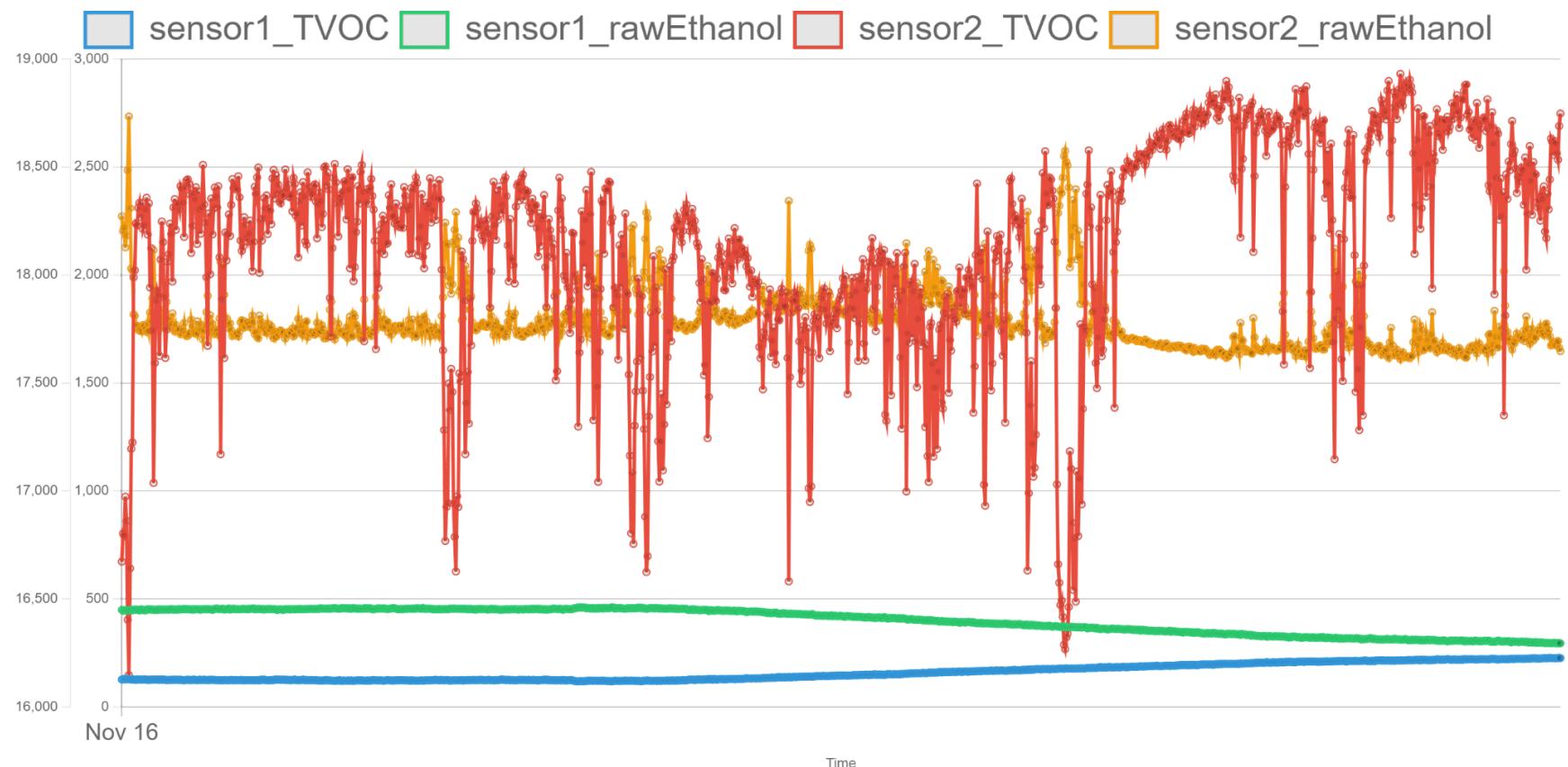
## 16 November Charts / RawH2

Avg of voc &amp; Avg of rawh2 sensor1 and sensor2



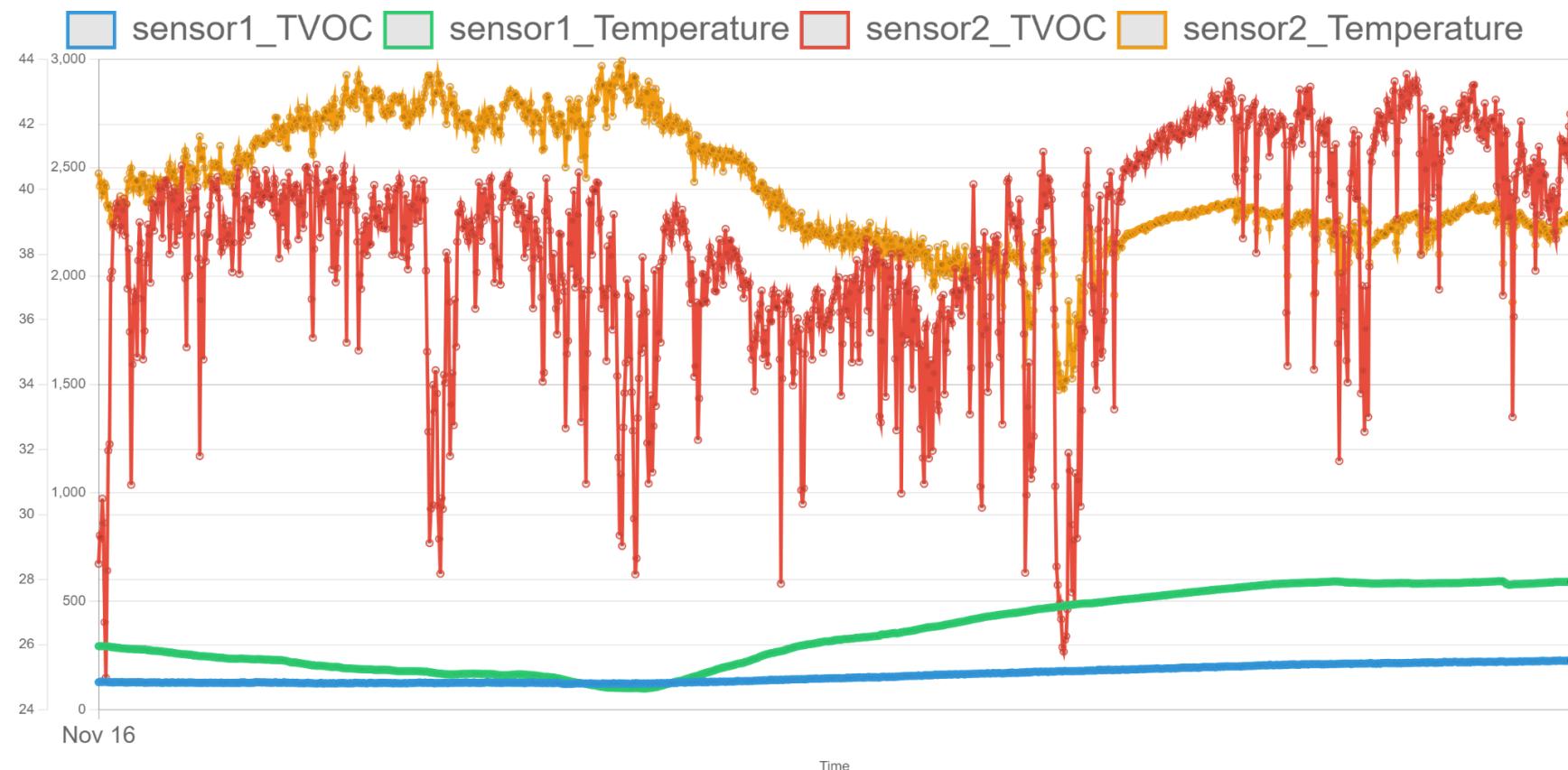
## 16 November Charts / RawEthanol

Avg of voc &amp; Avg of rawEthanol sensor1 and sensor2



## 16 November Charts / Temperature

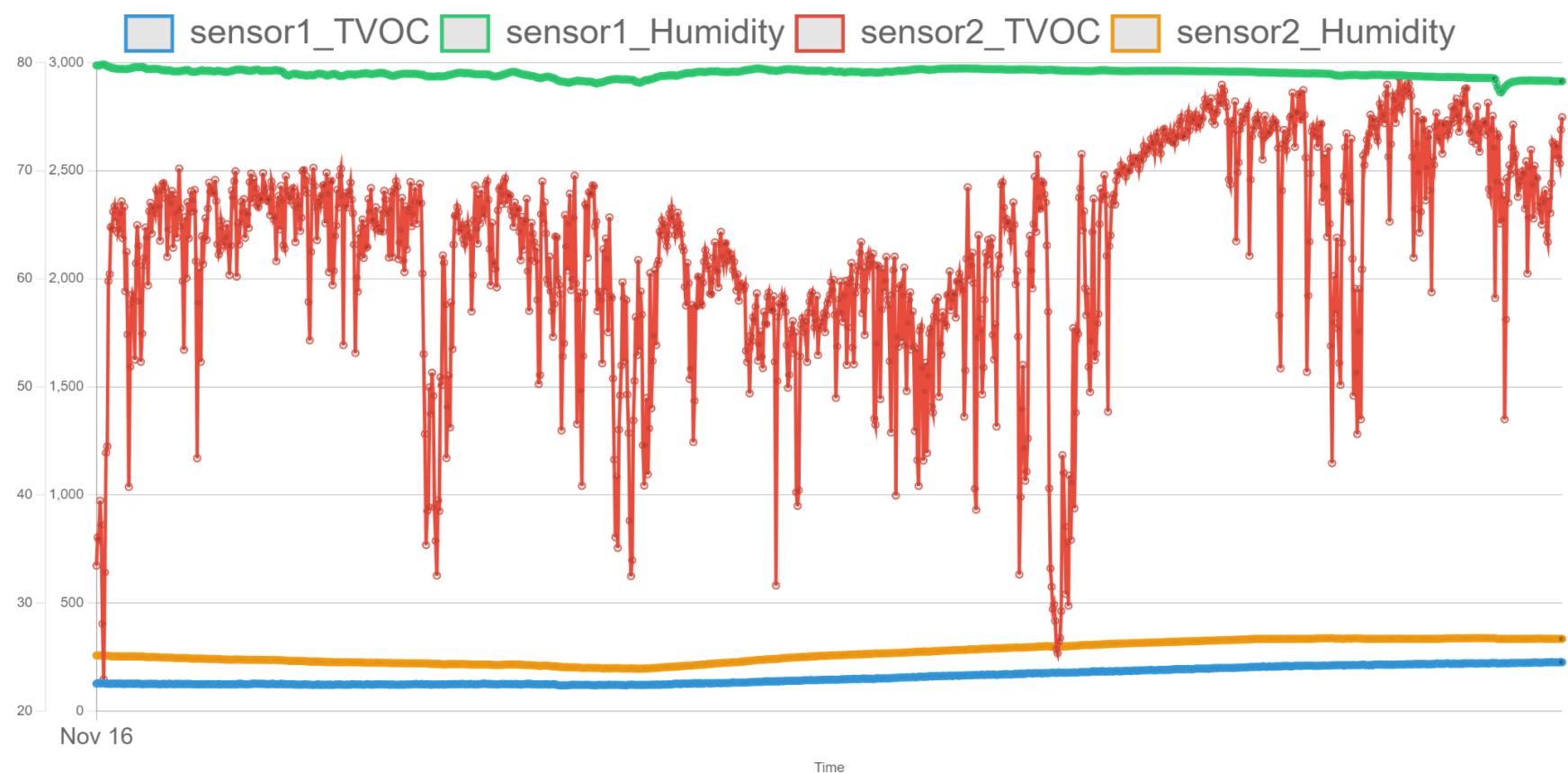
Avg of voc &amp; Avg of Temperature sensor1 and sensor2





## 16 November Charts/ Humidity

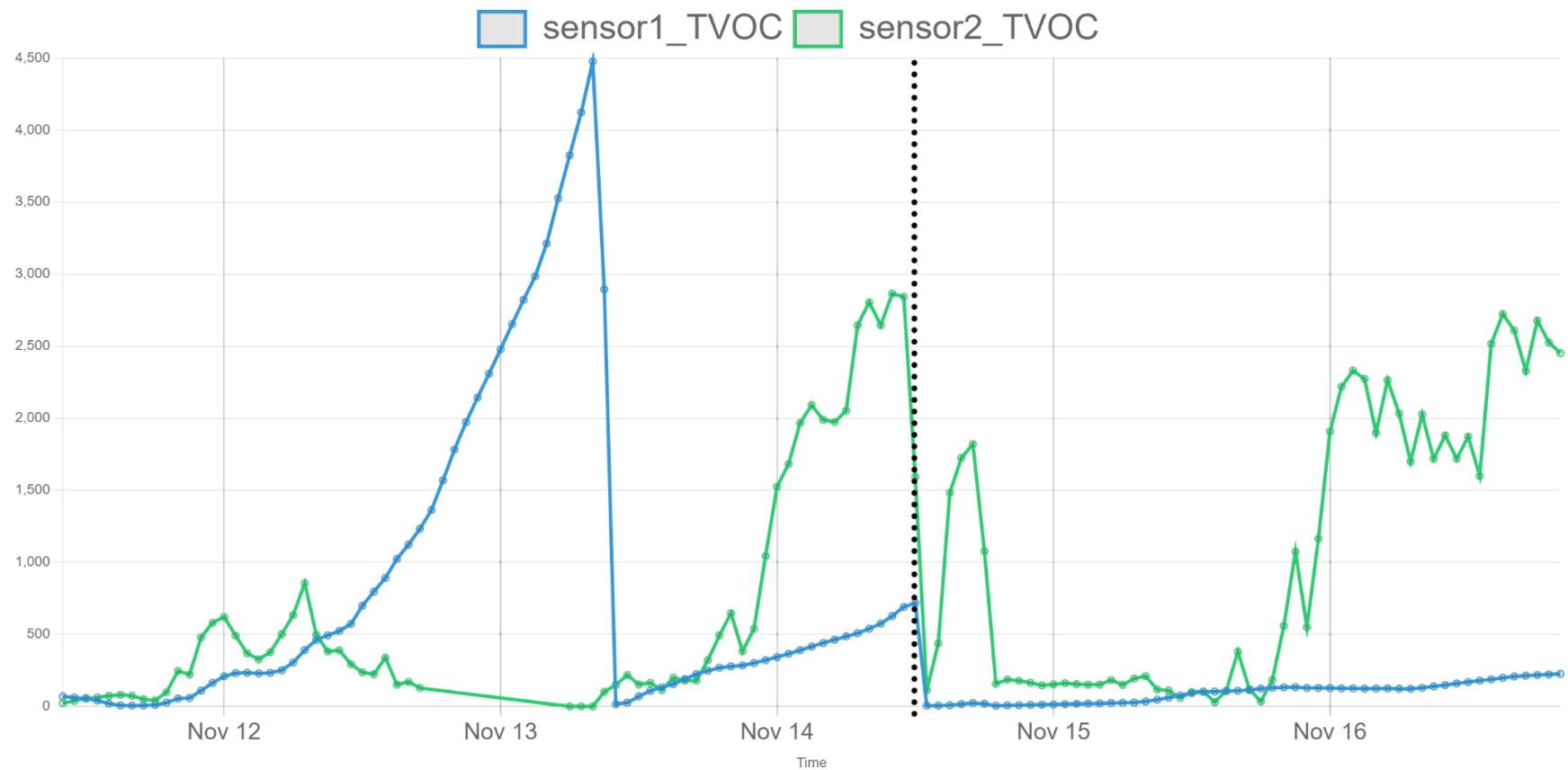
Avg of voc & Avg of Humidity sensor1 and sensor2





## Hourly Charts 11 November until 16 November

Avg of voc sensor1 and sensor2

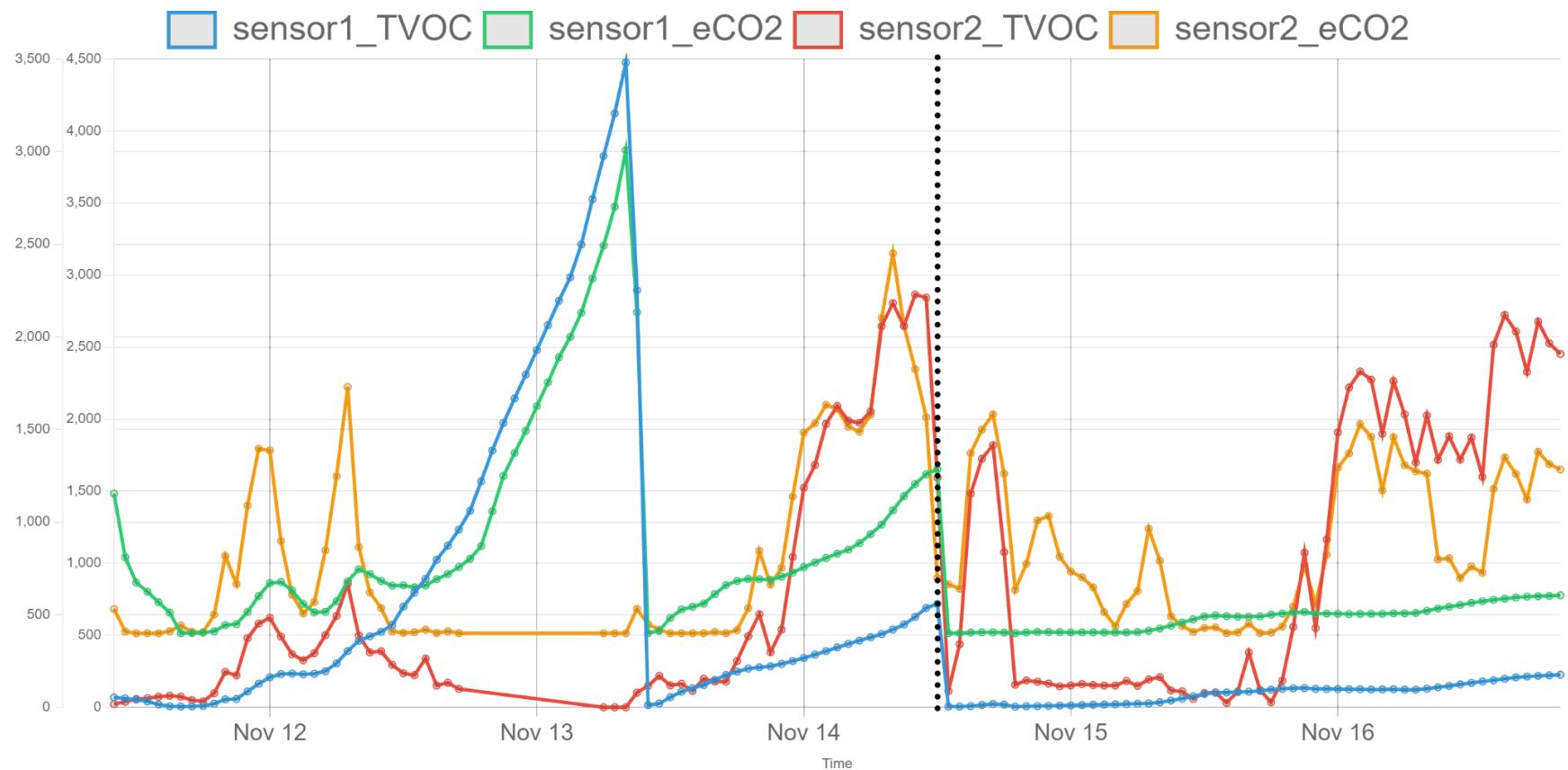


- black dot-line indicate Perfect Ripening Point



## Hourly Charts 11 November until 16 November / CO2

Avg of voc & Avg of co2 sensor1 and sensor2

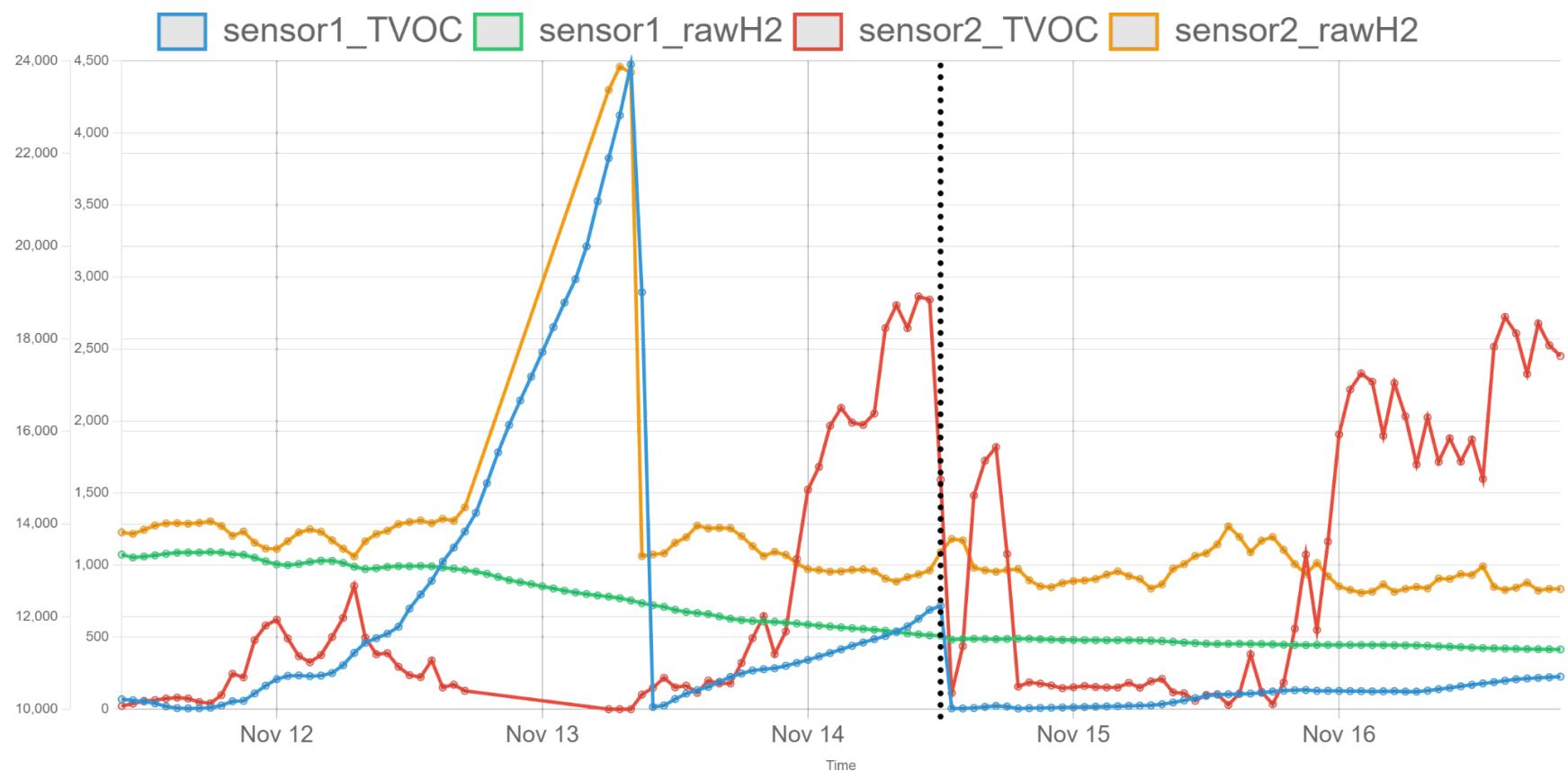


- black dot-line indicate Perfect Ripening Point



Hourly Charts 11 November until 16 November / RawH2

Avg of voc & Avg of rawh2 sensor1 and sensor2

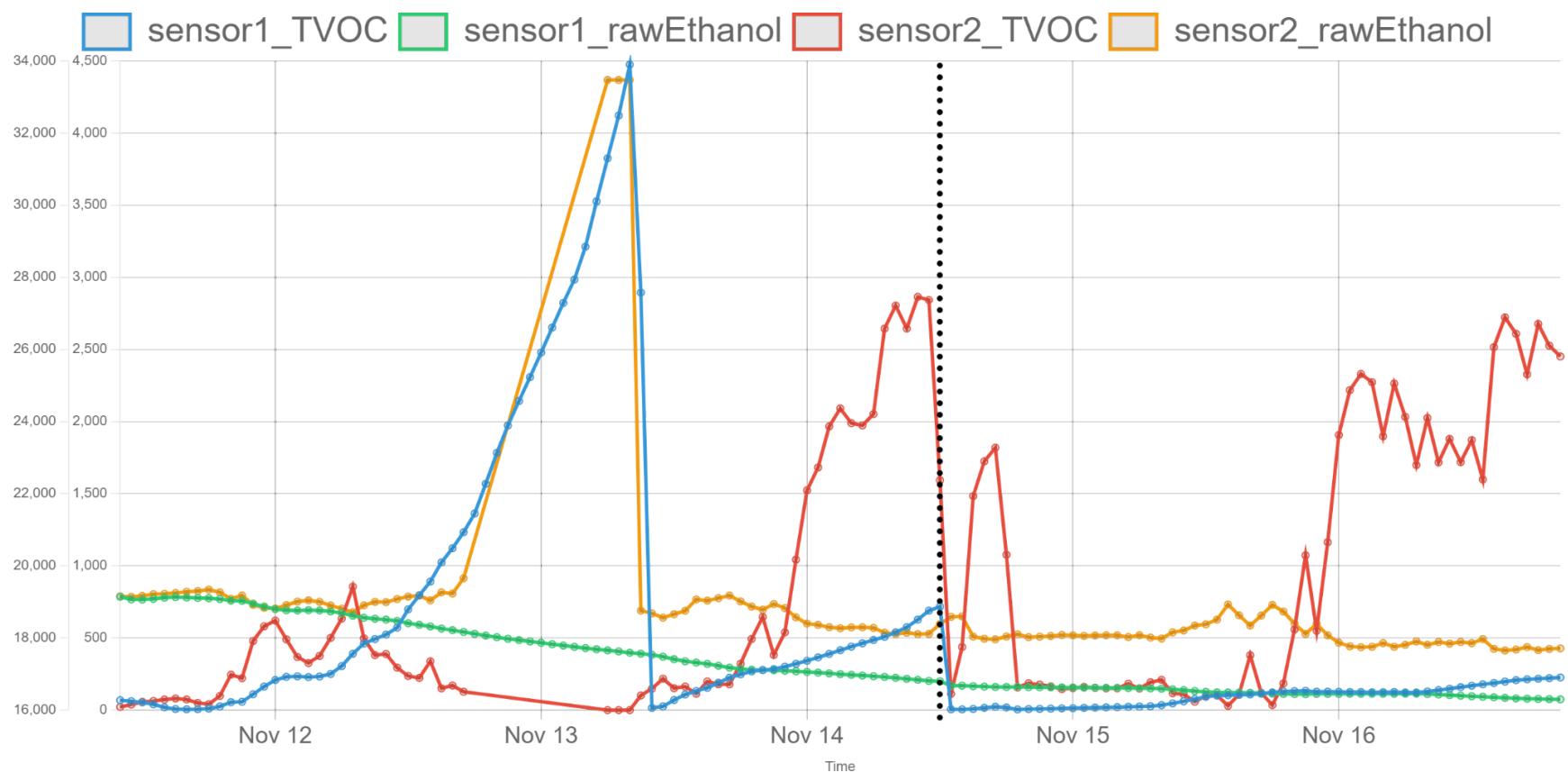


- black dot-line indicate Perfect Ripening Point



Hourly Charts 11 November until 16 November / RawEthanol

Avg of voc & Avg of rawEthanol sensor1 and sensor2

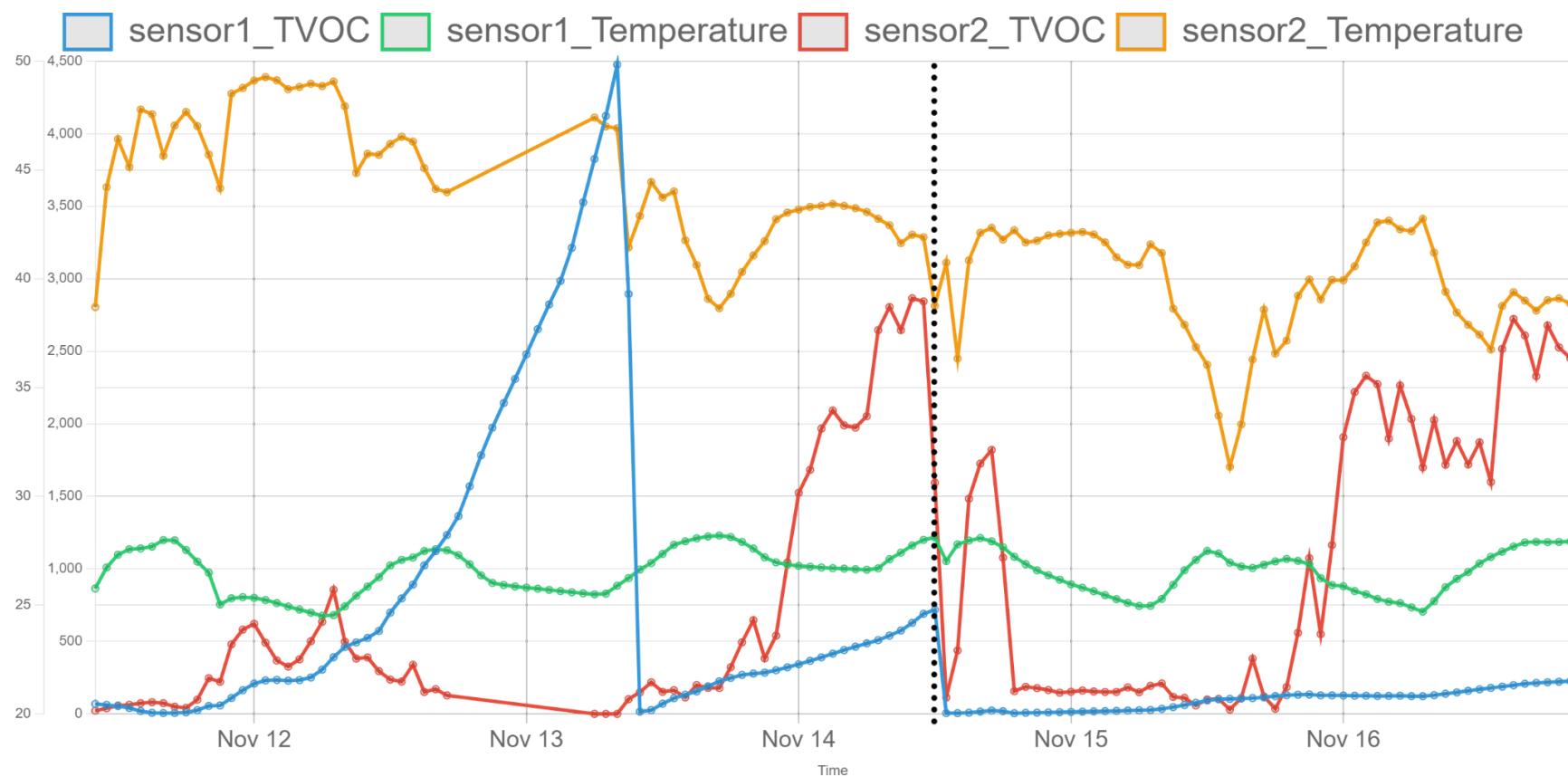


- black dot-line indicate Perfect Ripening Point



### Hourly Charts 11 November until 16 November / Temperature

Avg of voc & Avg of Temperature sensor1 and sensor2

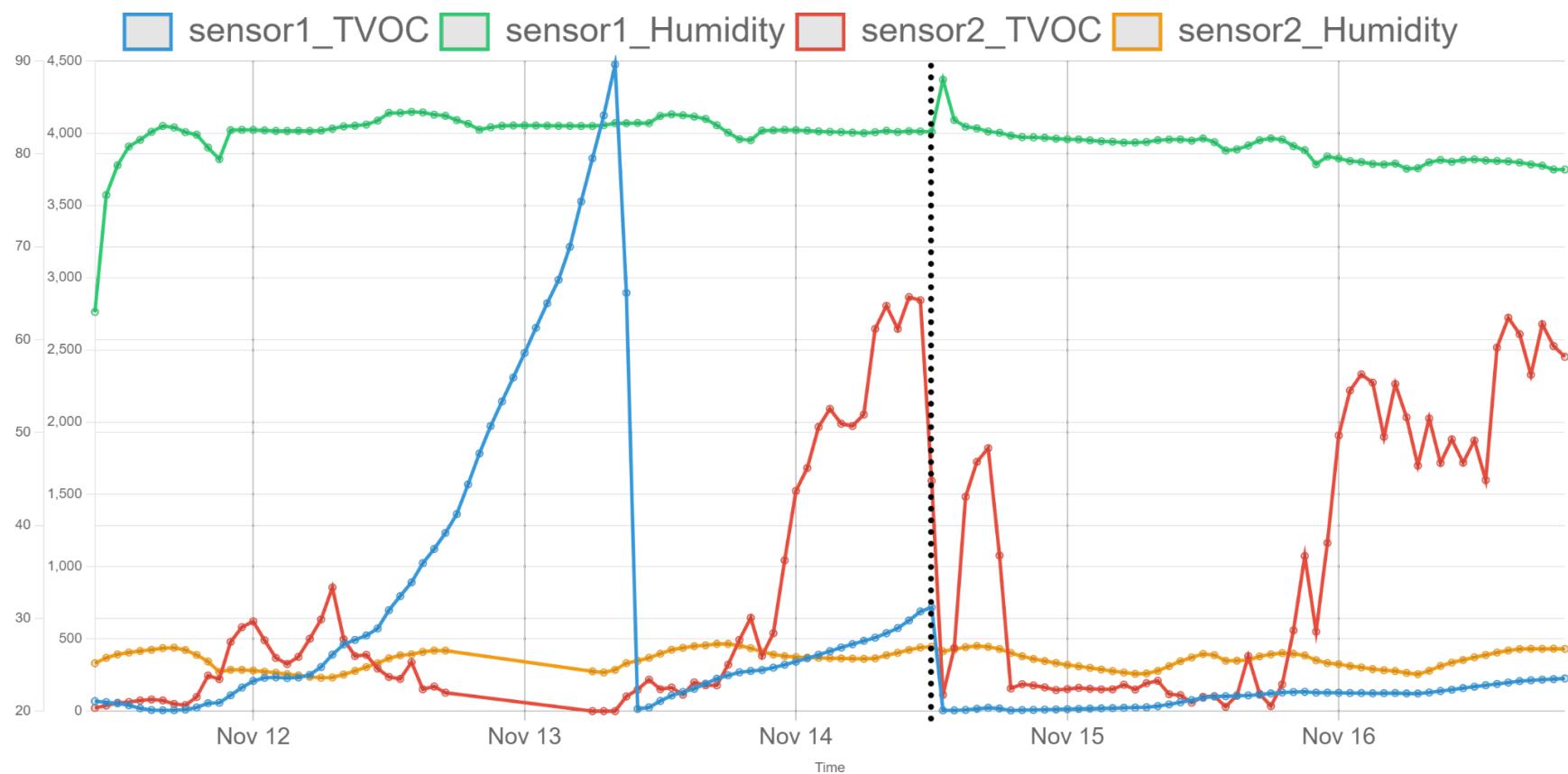


- black dot-line indicate Perfect Ripening Point



### Hourly Charts 11 November until 16 November / Humidity

Avg of voc & Avg of Humidity sensor1 and sensor2



- black dot-line indicate Perfect Ripening Point