

# Analysis Report



## Data

**Test name:** GUILDFORD Upgrade

**Number of devices tested:** 2

**Test date:** 2019-09-20

**Test author:** Óscar González - Victor Barberán

## Devices

### Device Guildford07D7

Original Device: <https://smartcitizen.me/kits/5528>

Test Device: <https://smartcitizen.me/kits/10076>

- Actions:

1. Upgrade firmware. New channels for PM\_A, PM\_B and PN\_XX\_A, PN\_XX\_B
2. Change both PM sensors - 25/09
3. Change Urban board for Noise issue

### Device GuildfordF9FF

Original Device: <https://smartcitizen.me/kits/5527>

Test Device: <https://smartcitizen.me/kits/10077>

- Actions:

1. Upgrade firmware. New channels for PM\_A, PM\_B and PN\_XX\_A, PN\_XX\_B
2. Change both PM sensors and cables- 25/09
3. Changed NO2 EC sensor - new device ID

New Device: <https://smartcitizen.me/kits/10124>

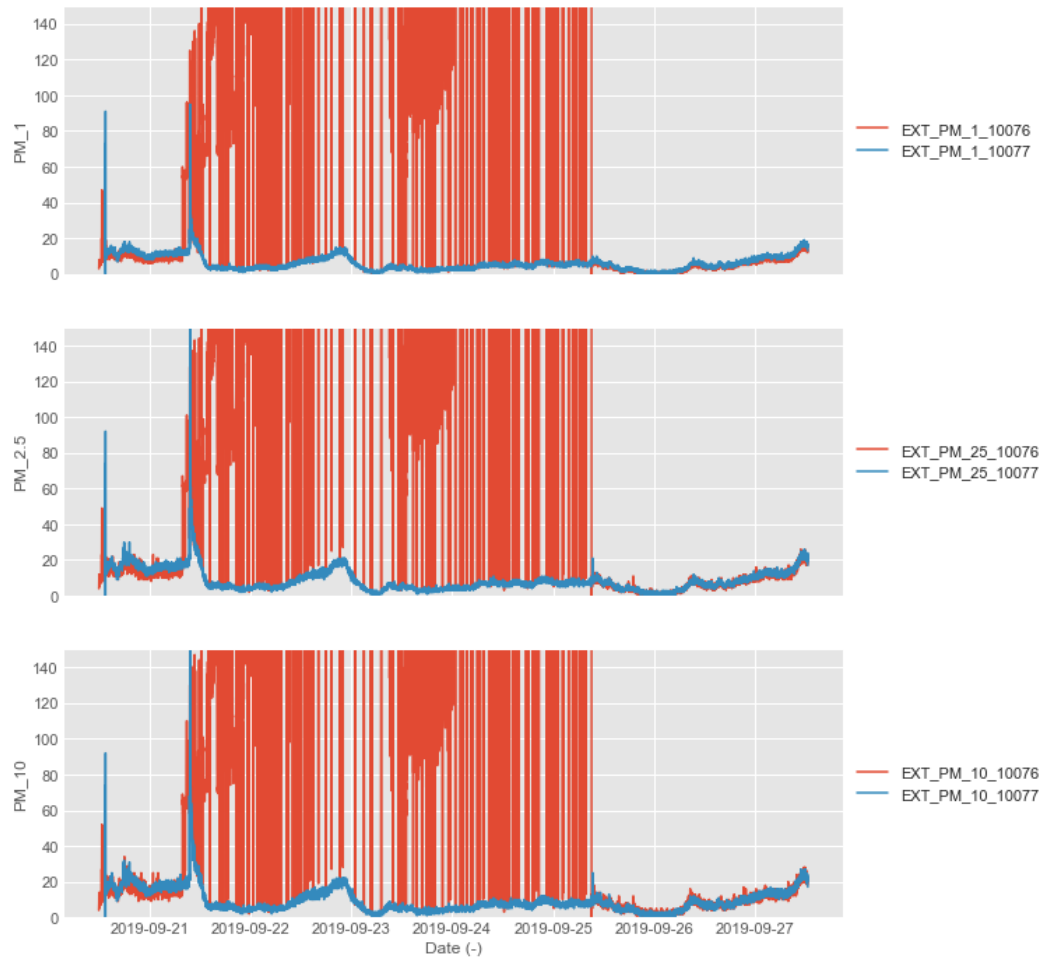
## Time series plots

### PM Sensor

The PM sensor shows improvement after change on 25-09-2019

<Figure size 432x288 with 0 Axes>

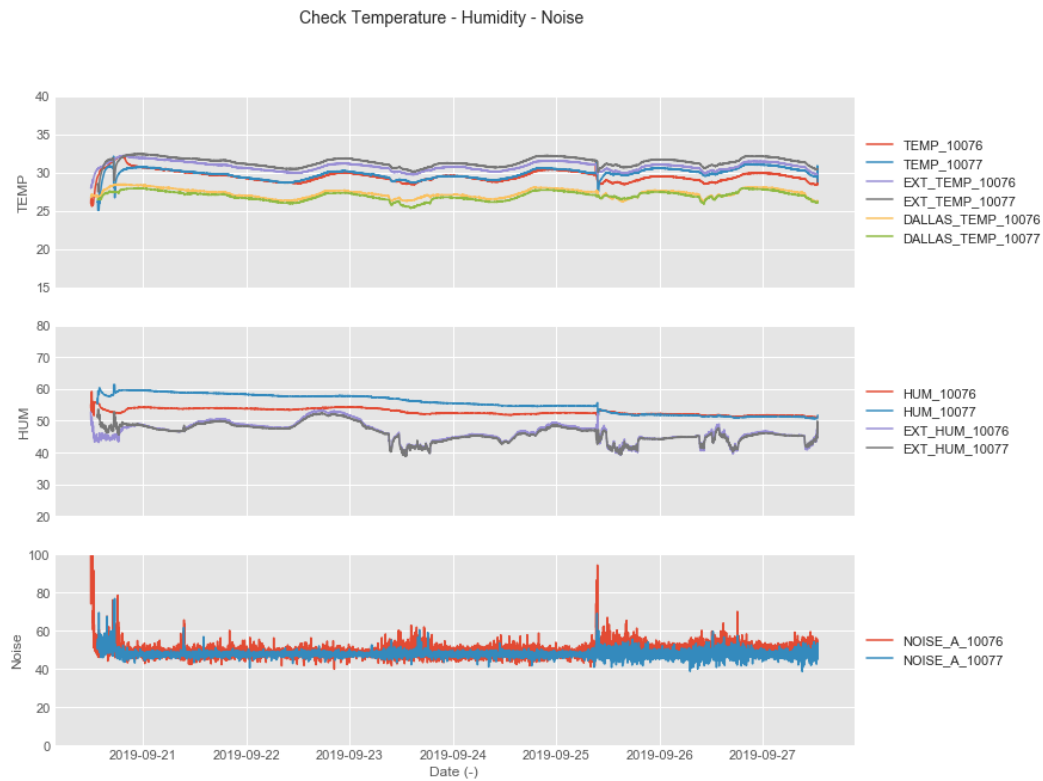
PM\_Check



## Ambient sensors

Sensors show normal behaviour

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## Electrochemical sensors

Sensors show normal behaviour after replacement of NO<sub>2</sub> sensor on device F9FF. Indoor environment with air conditioning for both, which affects on GB\_1 on 10076.

<Figure size 432x288 with 0 Axes>

