Beacon 22 Operation During Period of 2020-06-01 to 2020-09-01

Introduction

The following presentation is a summary of the Beacon data from the study period indicated above.

Sensor Data

Total Volatile Organic Compounds

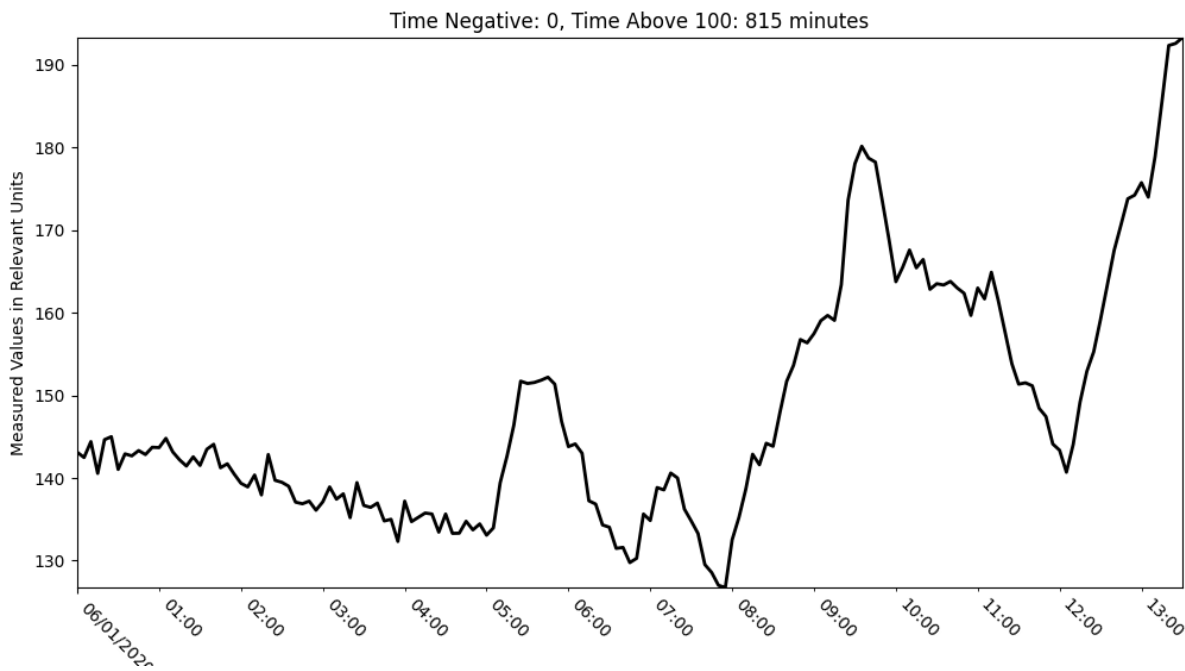The TVOC values and reliability are summarized below

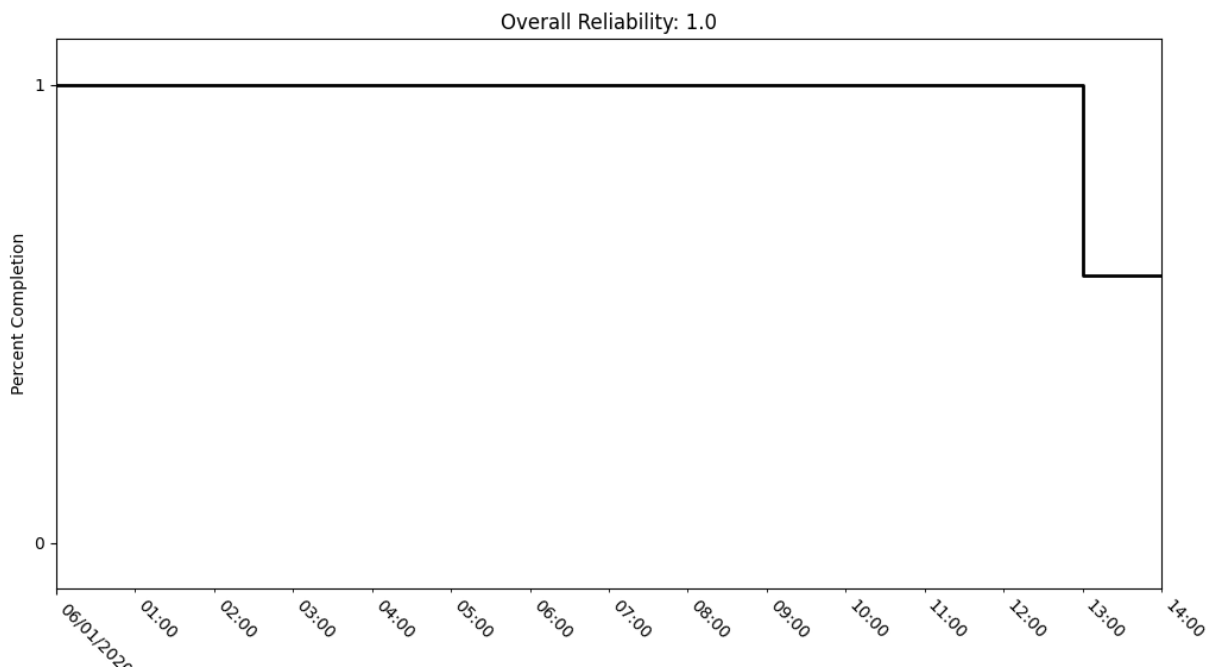**Figure 1.1** TVOC timeseries data with units of parts-per-million during the study period

Figure 1.2 Reliability of the TVOC sensor during the study period

Light Levels

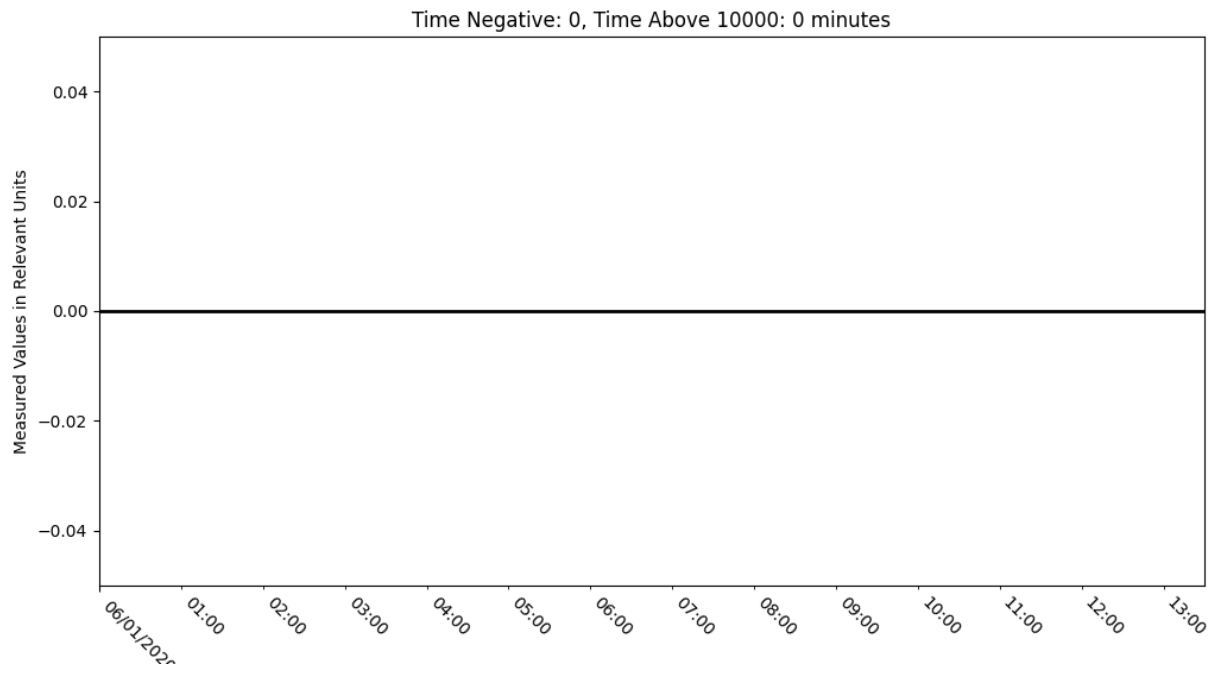The light level values and reliability are summarized below

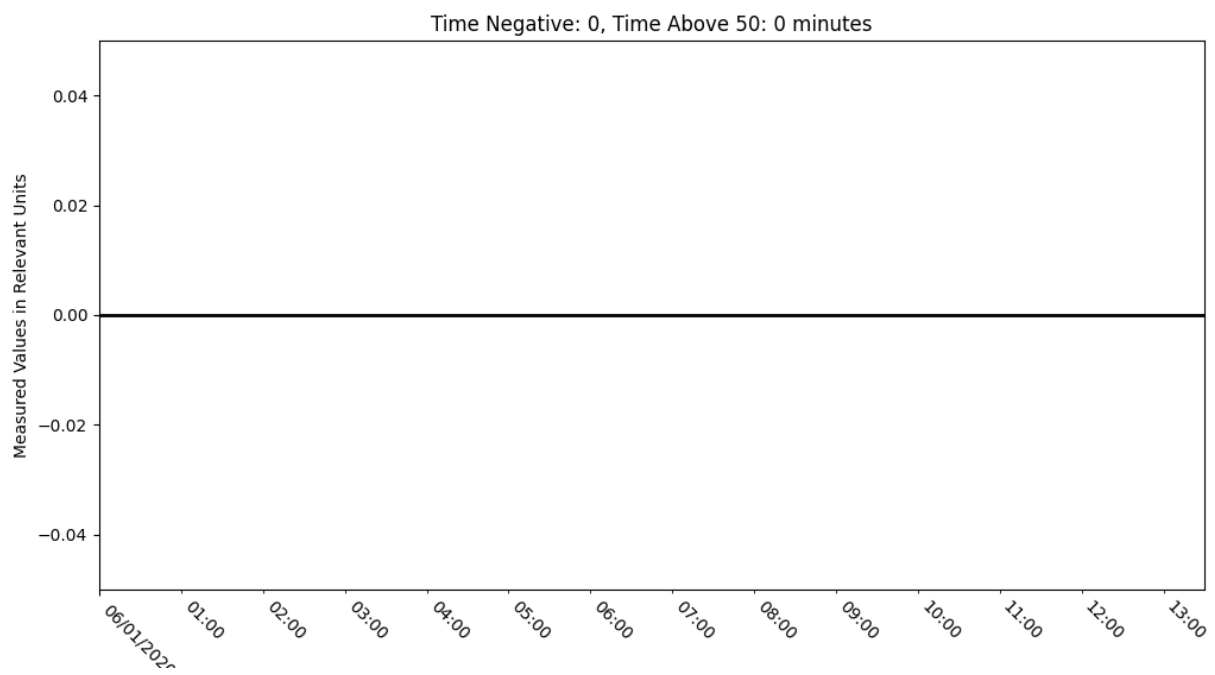**Figure 2.1** Light level timeseries data in units of lux during the study period

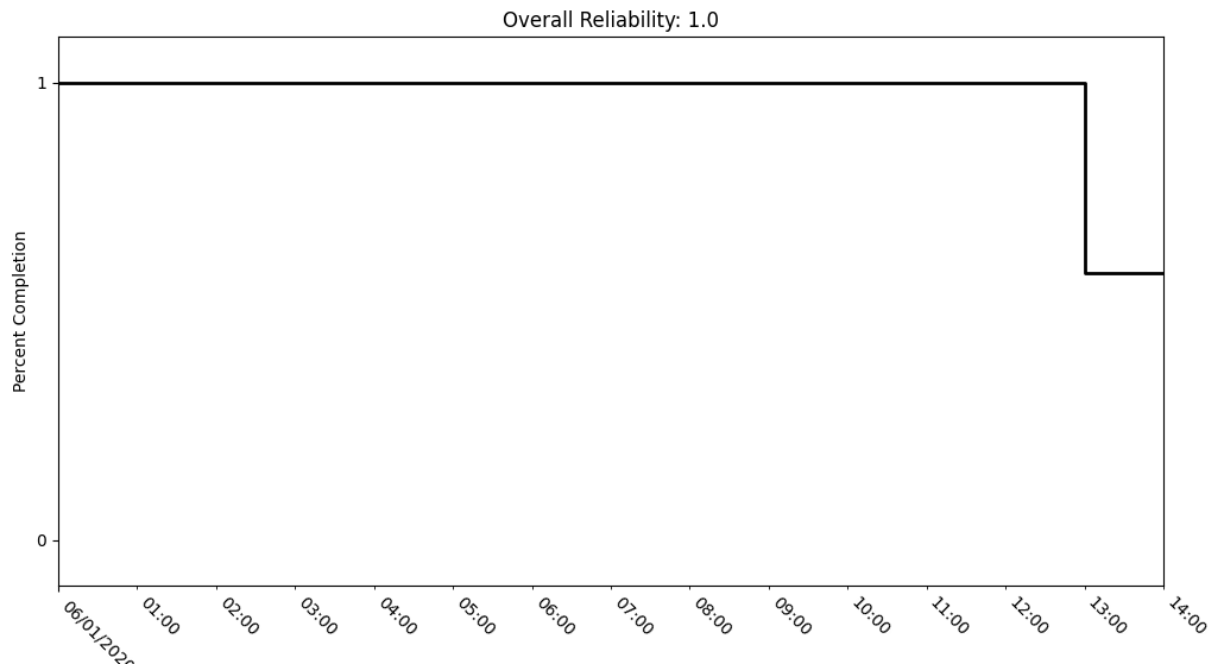**Figure 2.2** Infrared levels during the study period

Figure 2.3 Reliability of the light sensor during the study period

Nitrogen Dioxide

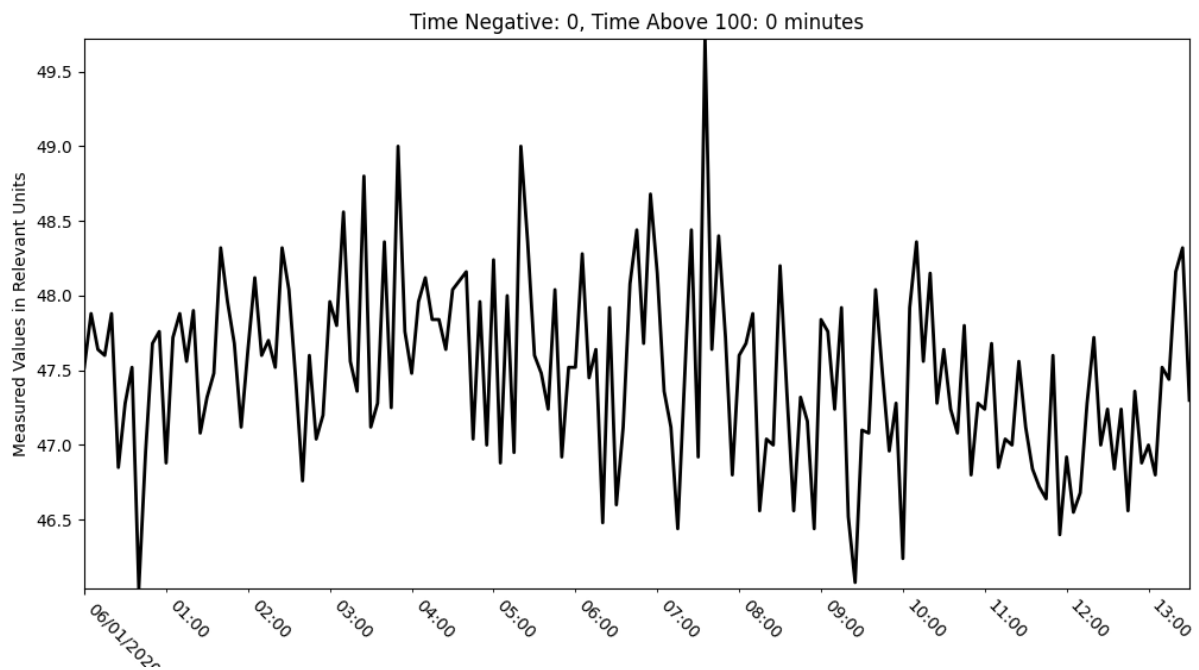The NO2 values and reliability are summarized below

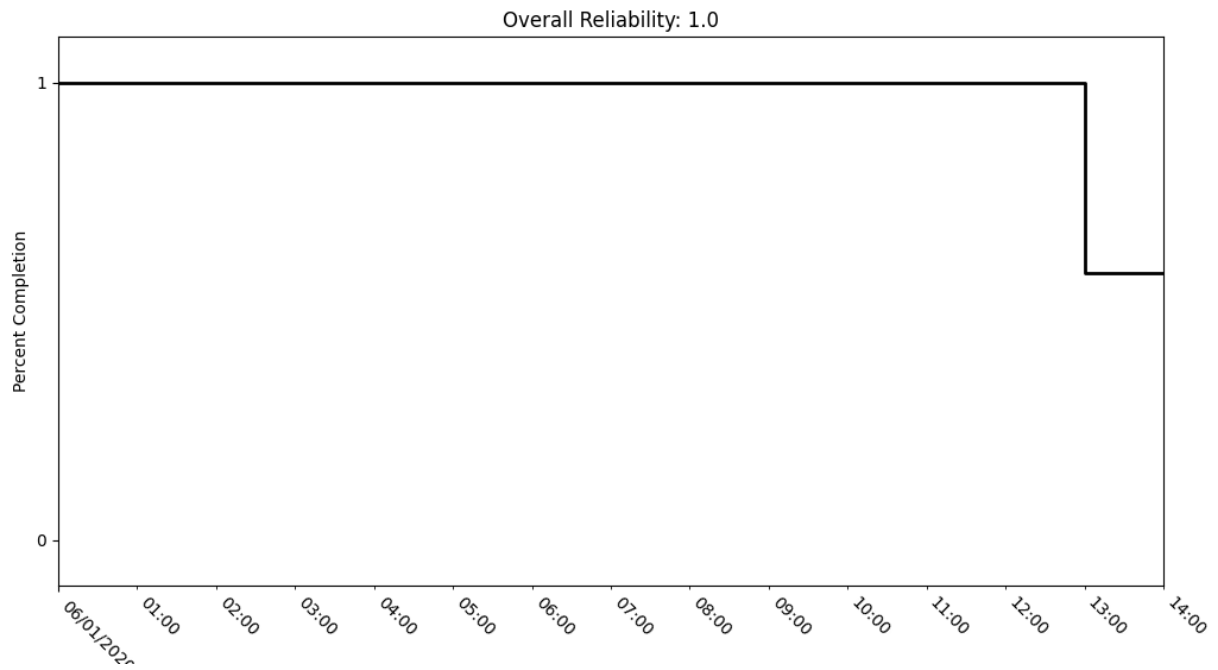**Figure 3.1** NO2 timeseries data with units of parts-per-billion during the study period

Figure 3.2 Reliability of the NO2 sensor during the study period

Carbon Monoxide

The CO values and reliability are summarized below

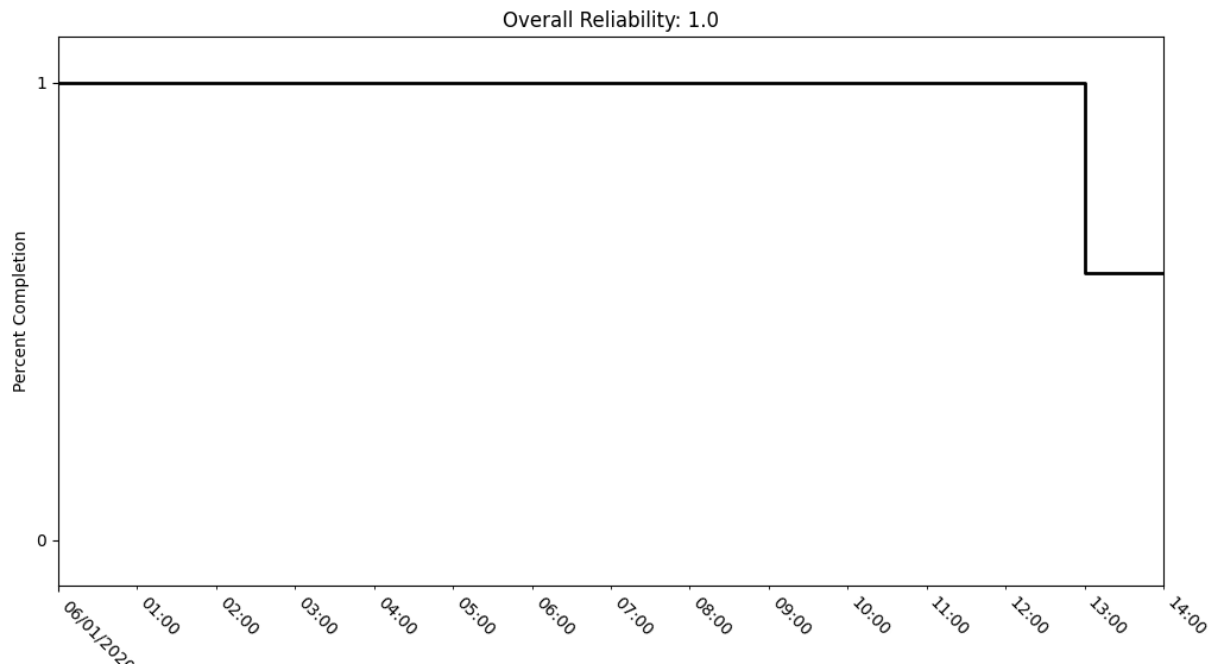**Figure 4.1** CO timeseries data with units of parts-per-billion during the study period

Figure 4.2 Reliability of the CO sensor during the study period

Temperature

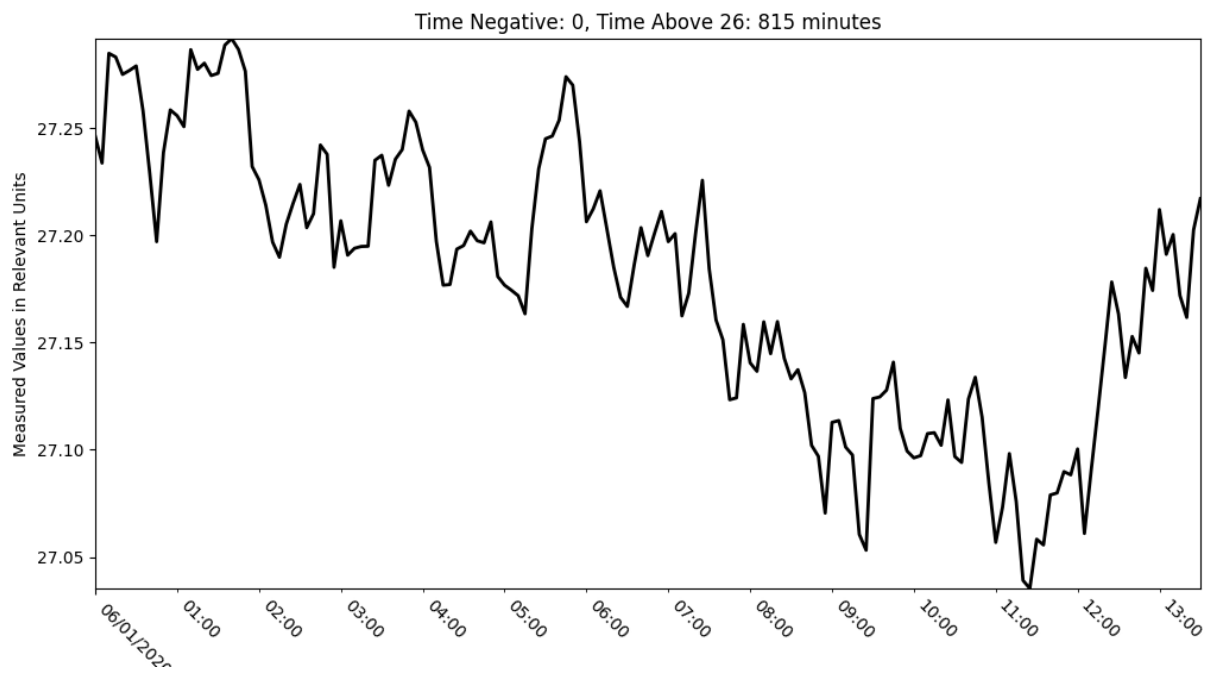The temperature values from three various sensors and reliability are summarized below

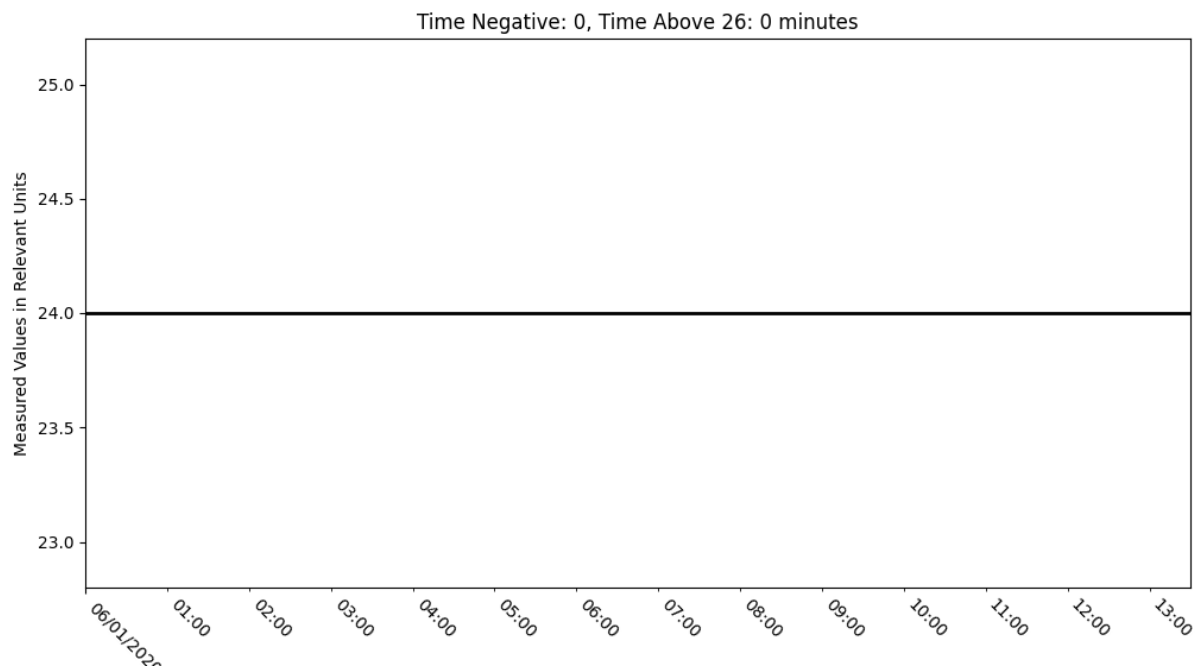**Figure 5.1** Temperature timeseries data in units of Celsius during the study period by the Sensirion SCD30 sensor

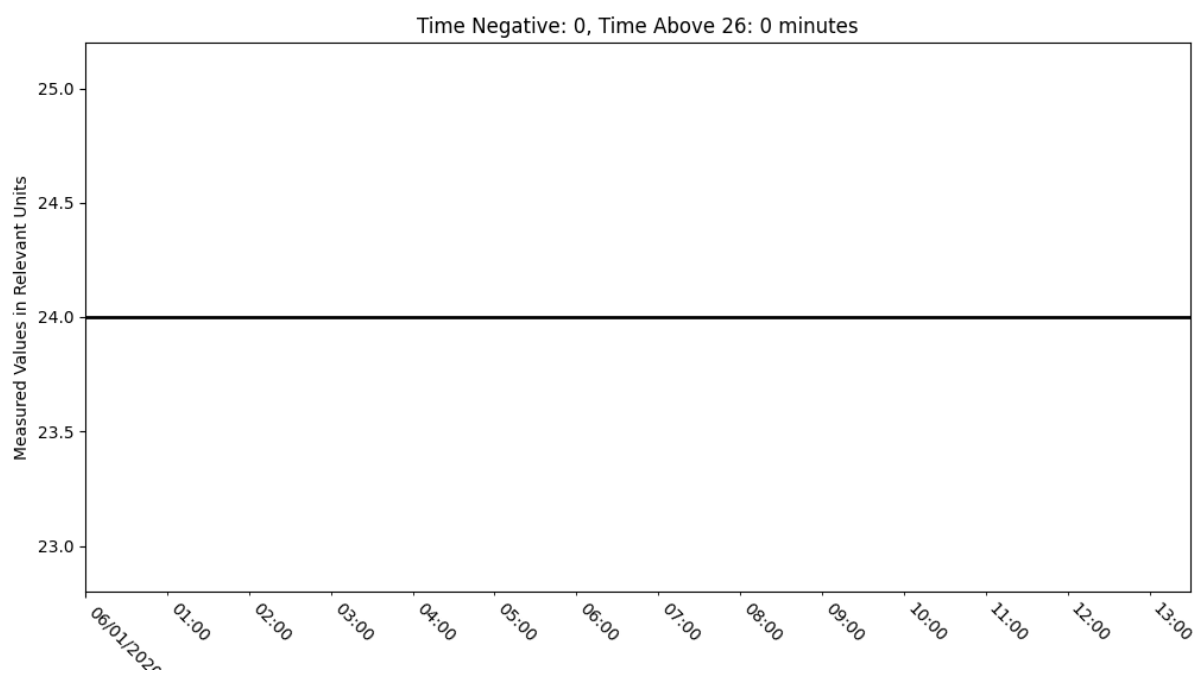**Figure 5.2** Temperature timeseries data in units of Celsius during the study period by the DGS-CO sensor

Figure 5.3 Temperature timeseries data in units of Celsius during the study period by the DGS-NO2 sensor

Relative Humidity

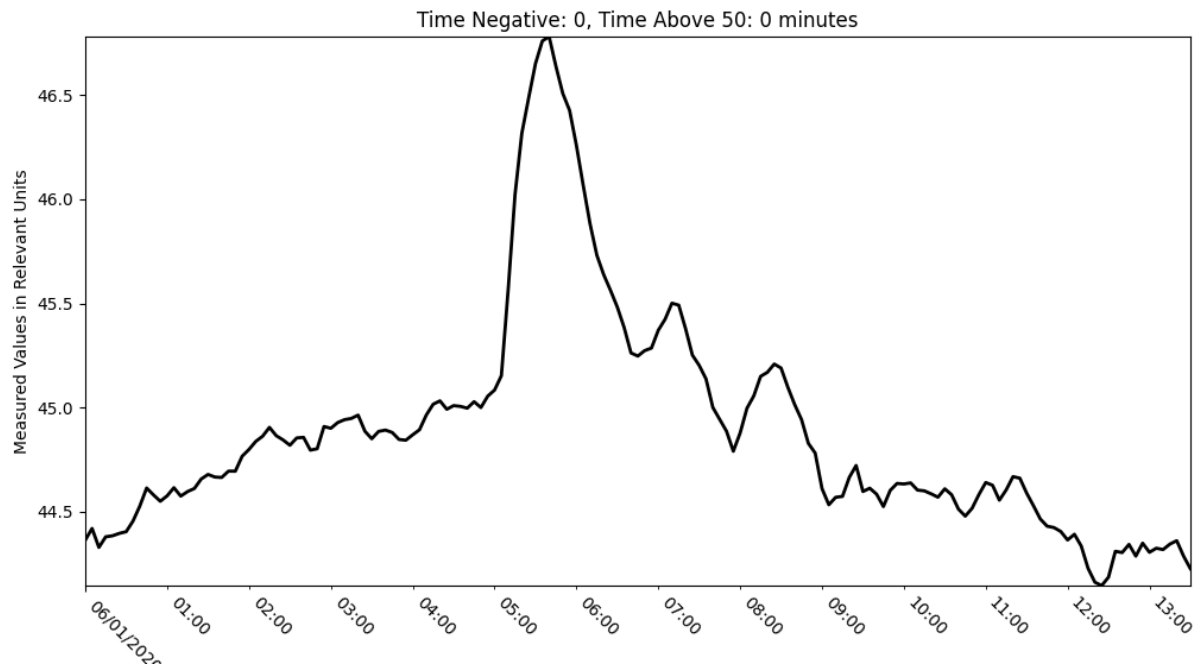The RH values from three various sensors and reliability are summarized below

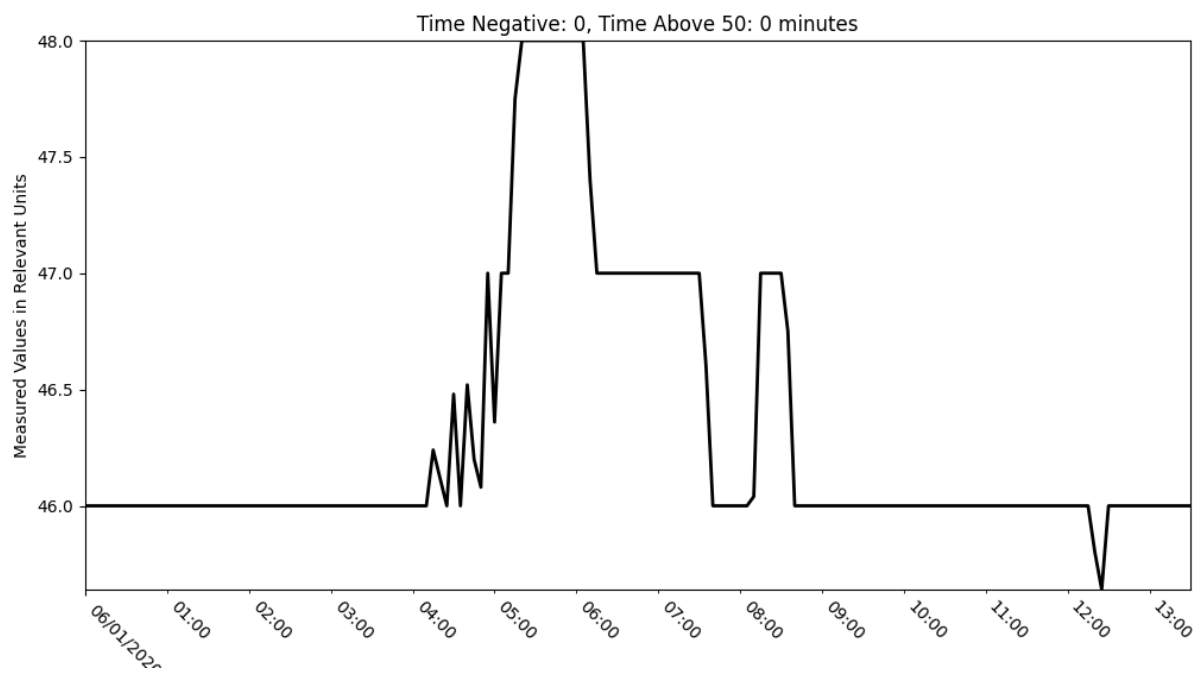**Figure 6.1** Relative humidity timeseries data during the study period by the Sensirion SCD30 sensor

Figure 6.2 Relative humidity timeseries data in units of Celsius during the study period by the DGS-CO sensor
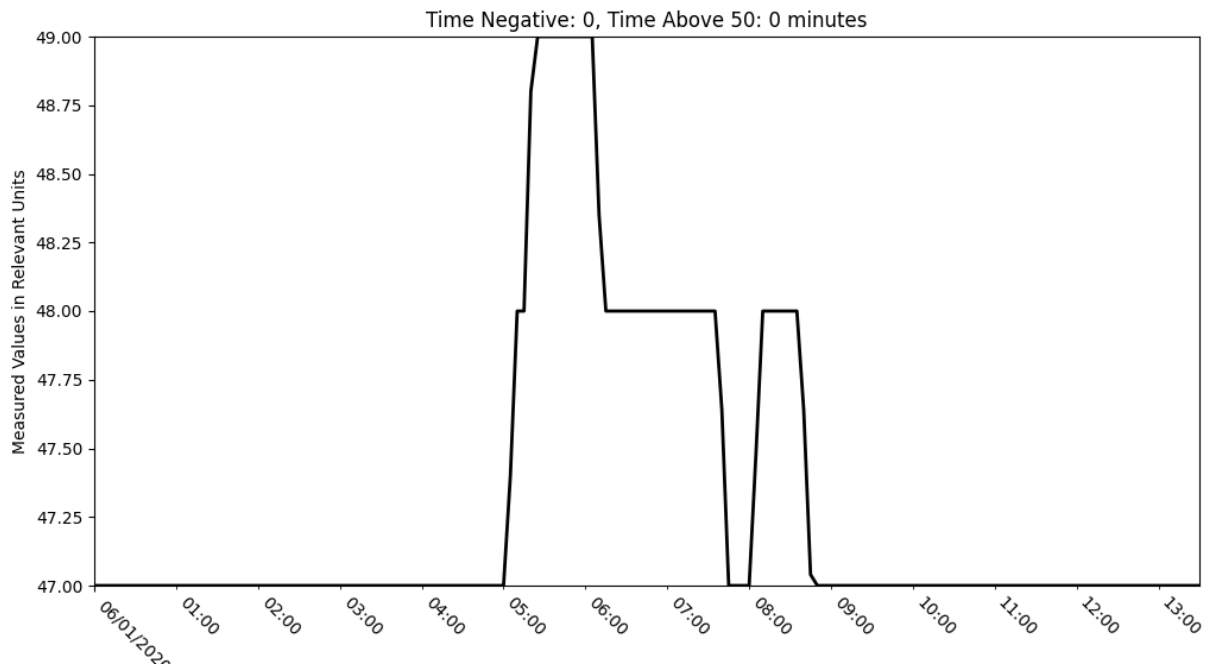
Figure 6.3 Relative humidity timeseries data in units of Celsius during the study period by the DGS-NO2 sensor

Particulate Matter

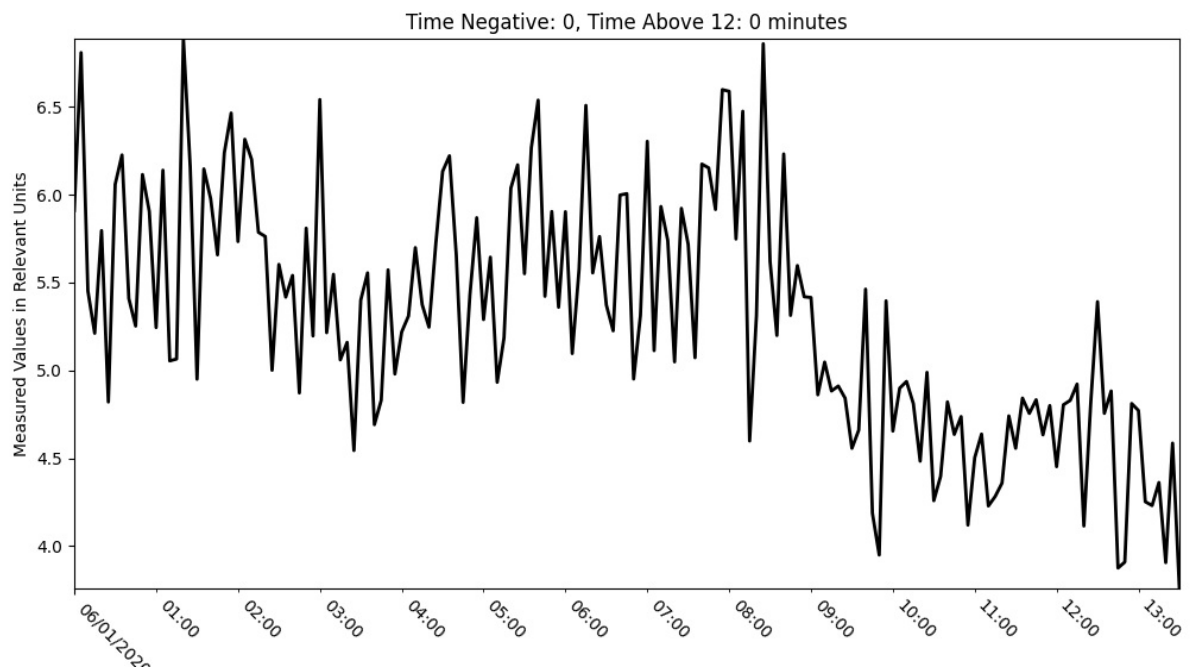The Particulate Matter values (PM1, PM2.5, and PM10) and reliability are summarized below

Figure 7.1 PM1 Timeseries data with units of micrograms per cubic metter during the study period
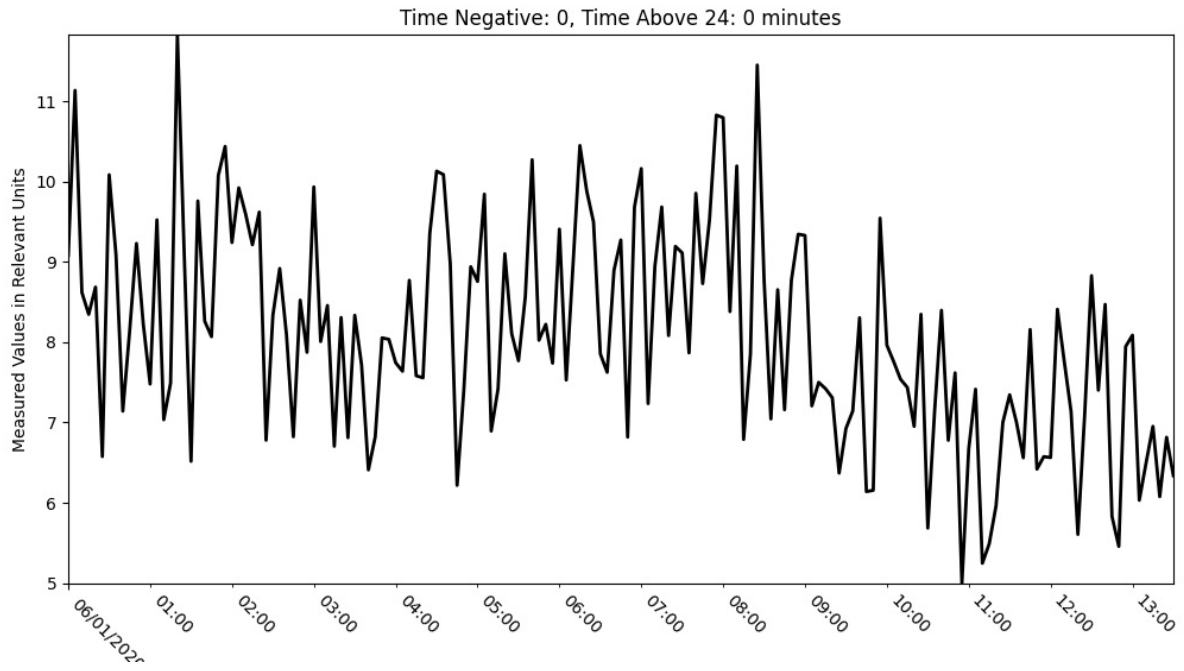
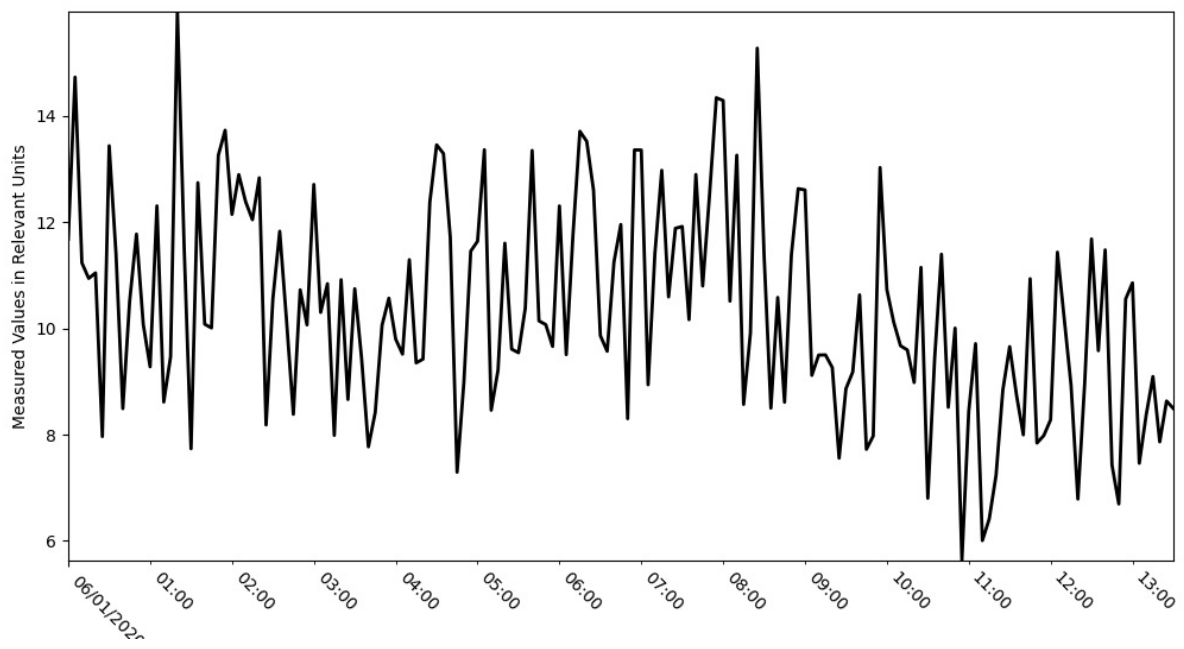**Figure 7.2** PM2.5 Timeseries data with units of micrograms per cubic metter during the study period

Figure 7.3 PM10 Timeseries data with units of micrograms per cubic metter during the study period
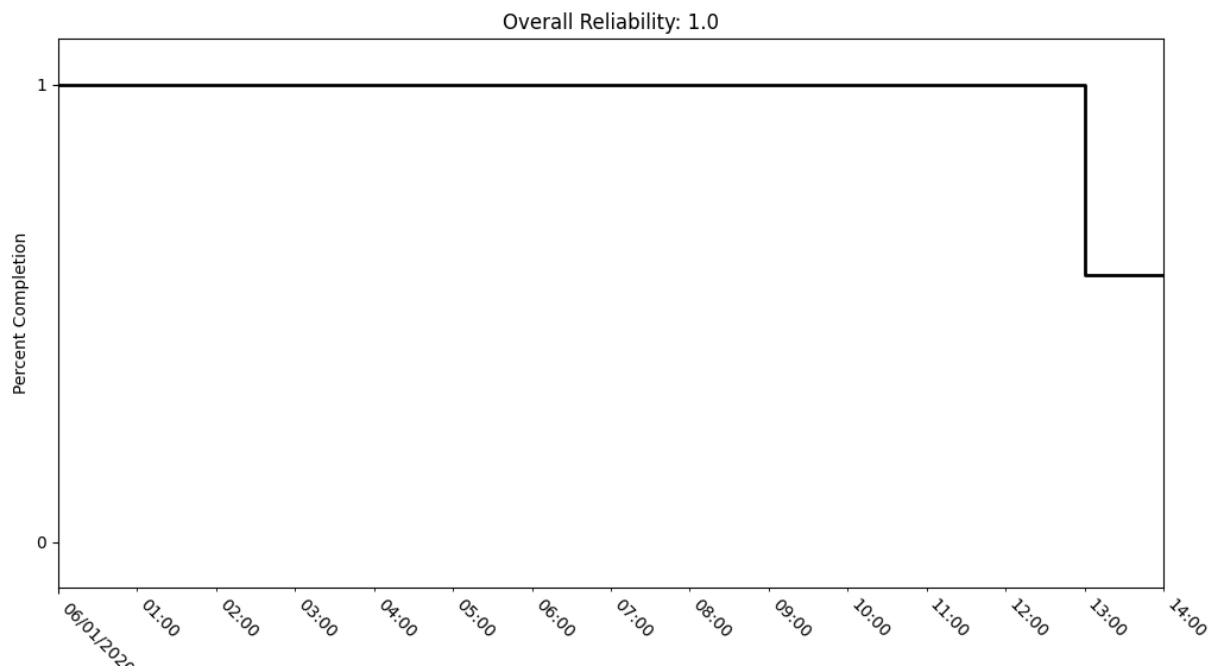
Figure 7.4 Reliability of the PM sensor (using PM2.5 values) during the study period