

# Long Term Stability Test - Total Intensity -

08/12/2021

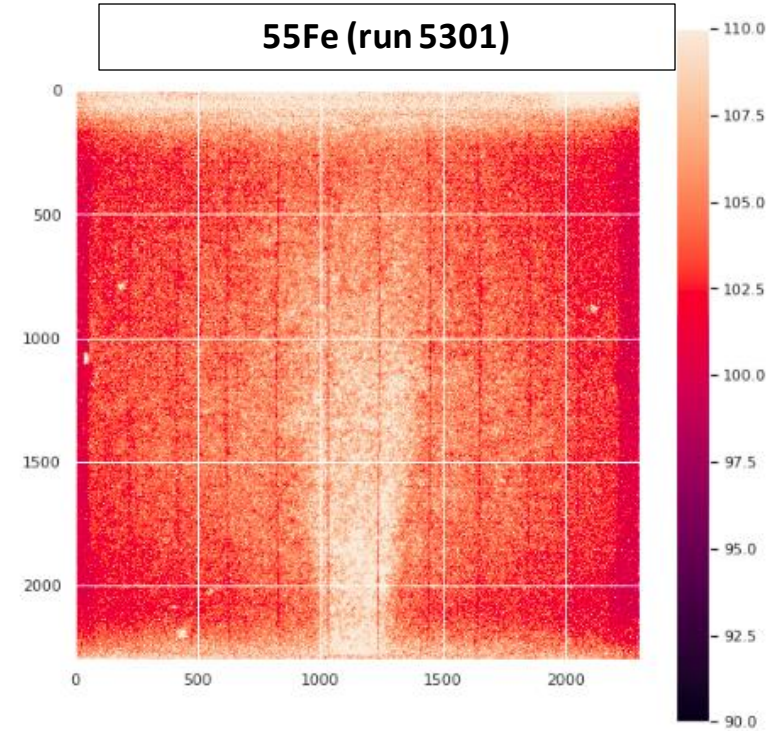
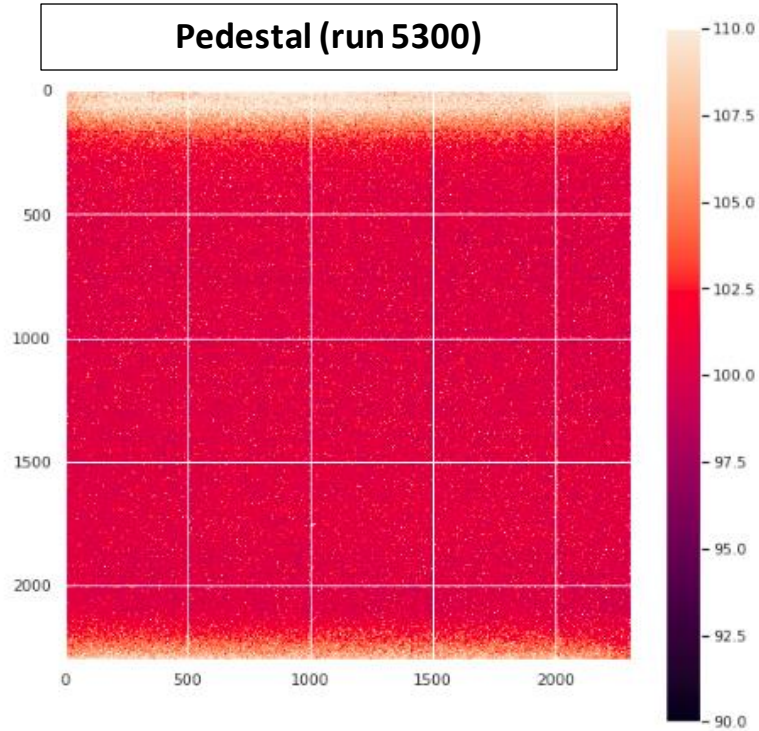
Run: 5300 - 5348

Date: 24/10/2021 - 29/10/2021

Exposure time: 1s

**Procedure:**

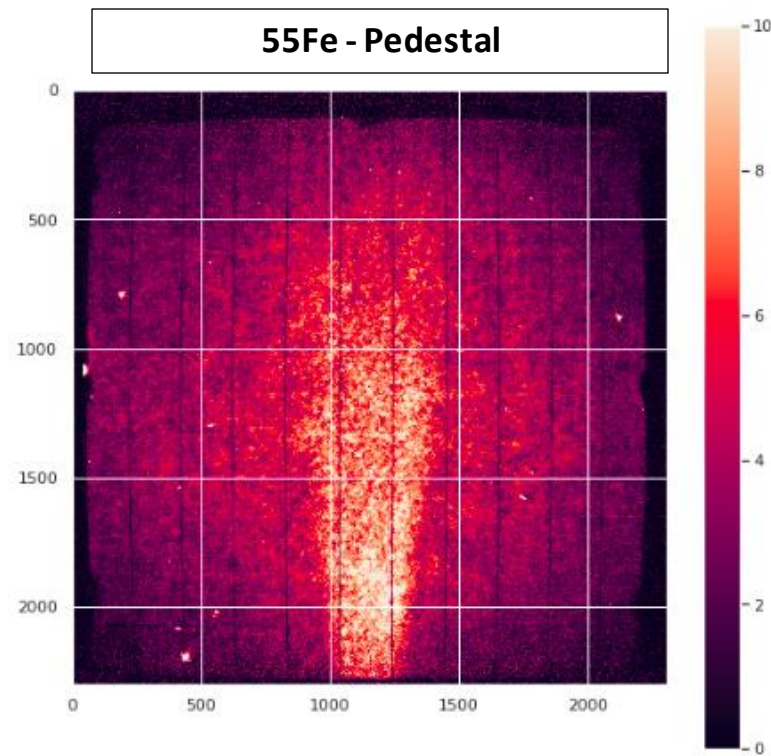
1. For each run (pedestal and 55Fe signal) 100 images are acquired and the mean given by the images is evaluated



2. For each signal run the pedestal is subtracted

3. The total intensity is evaluated like the sum of the intensity of each pixel

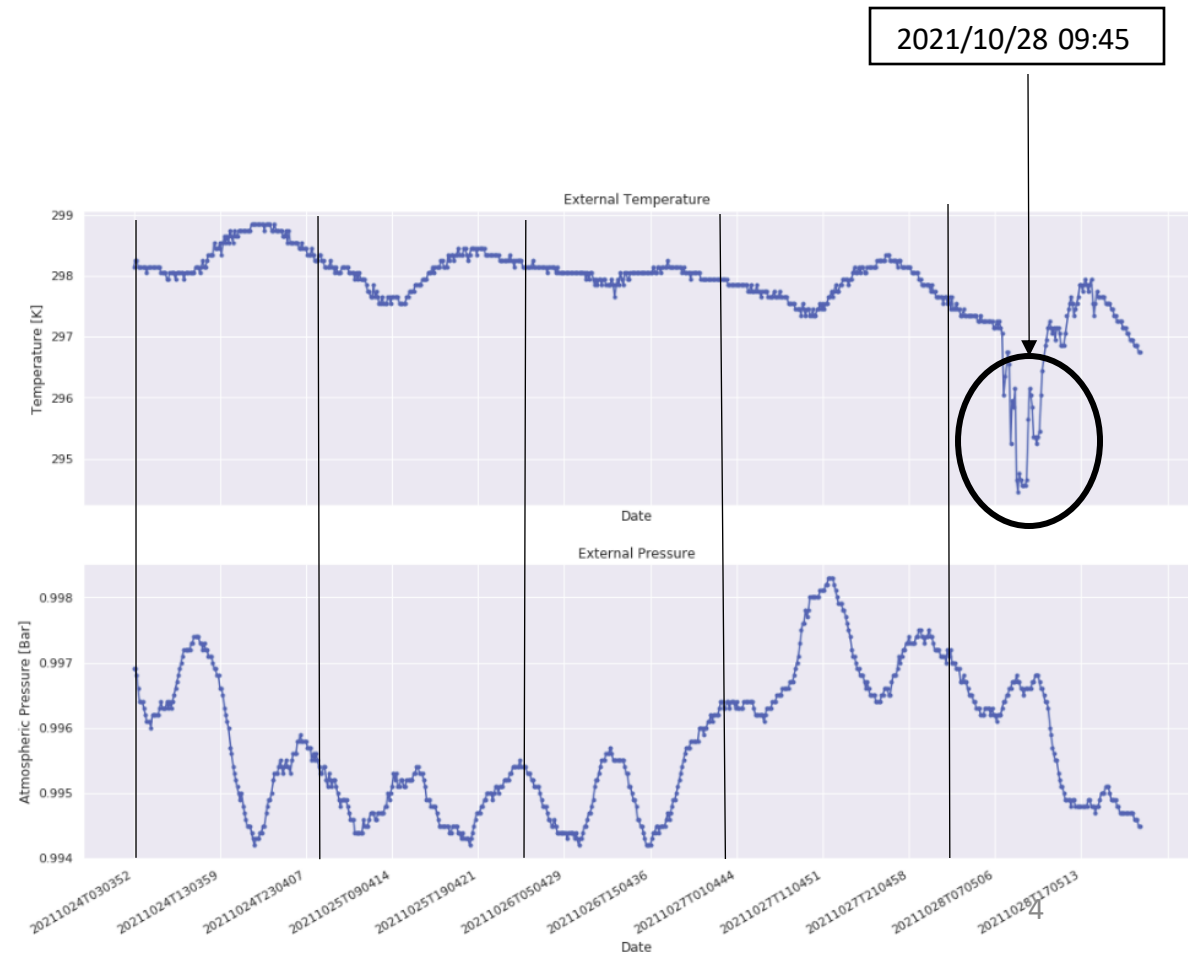
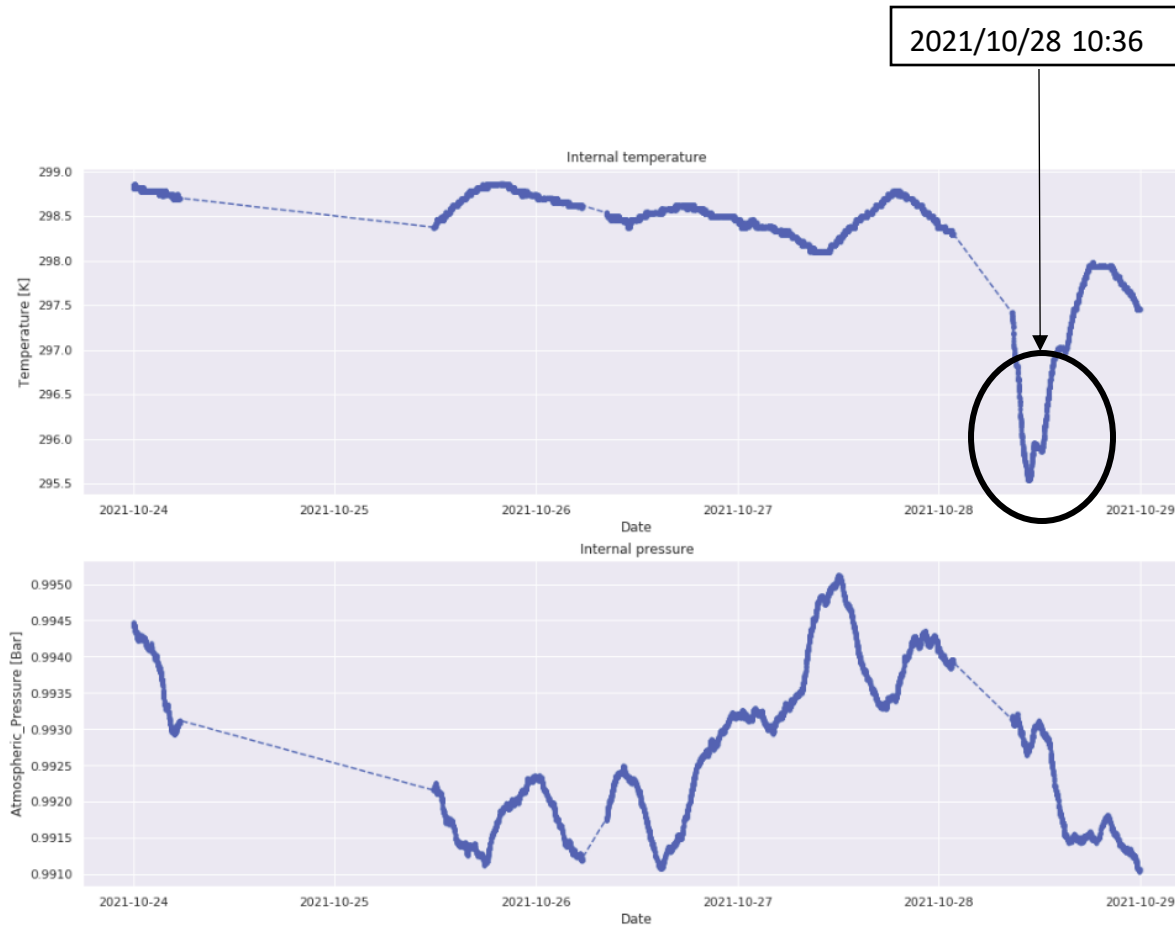
The procedure is done for each run

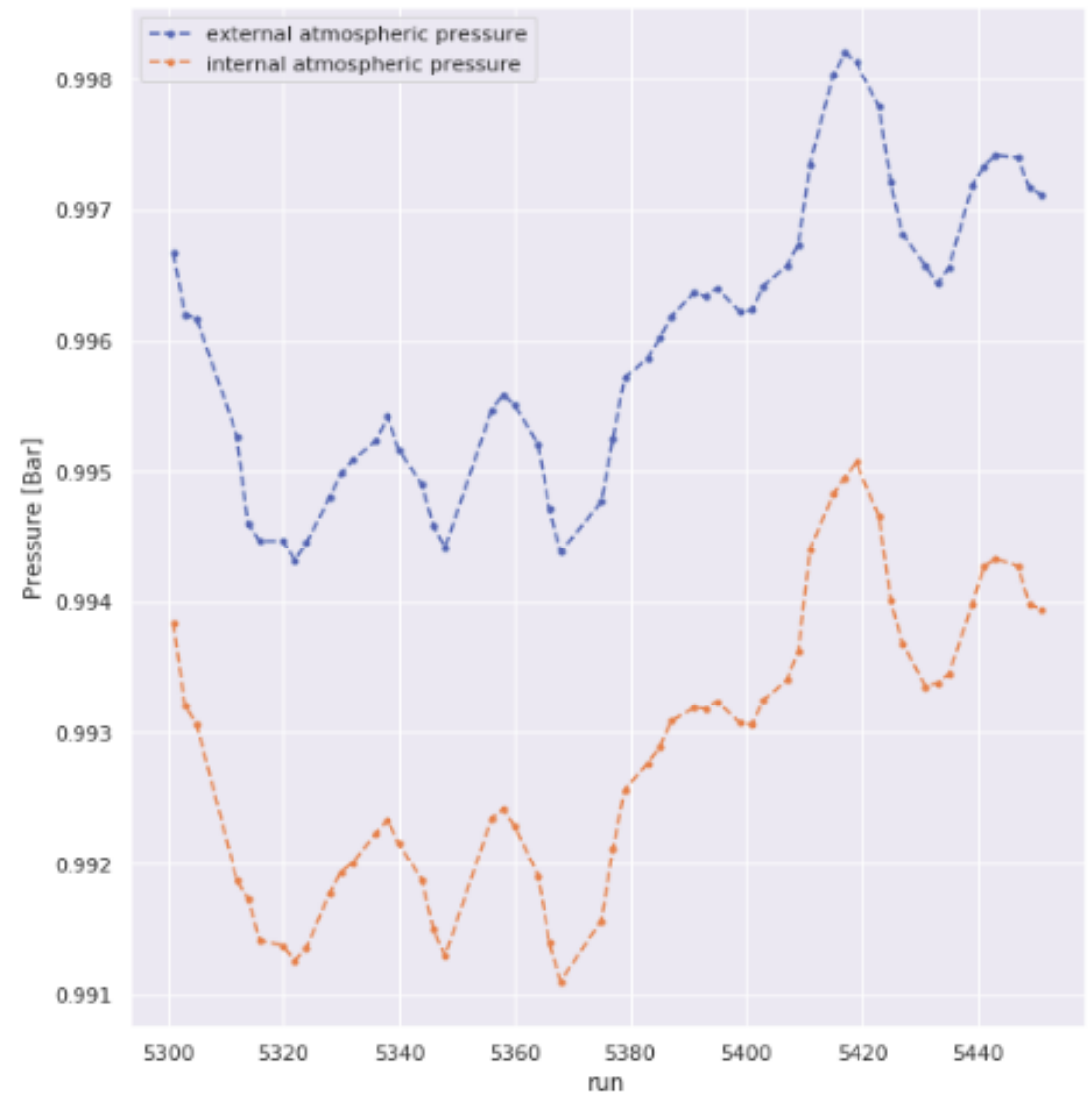
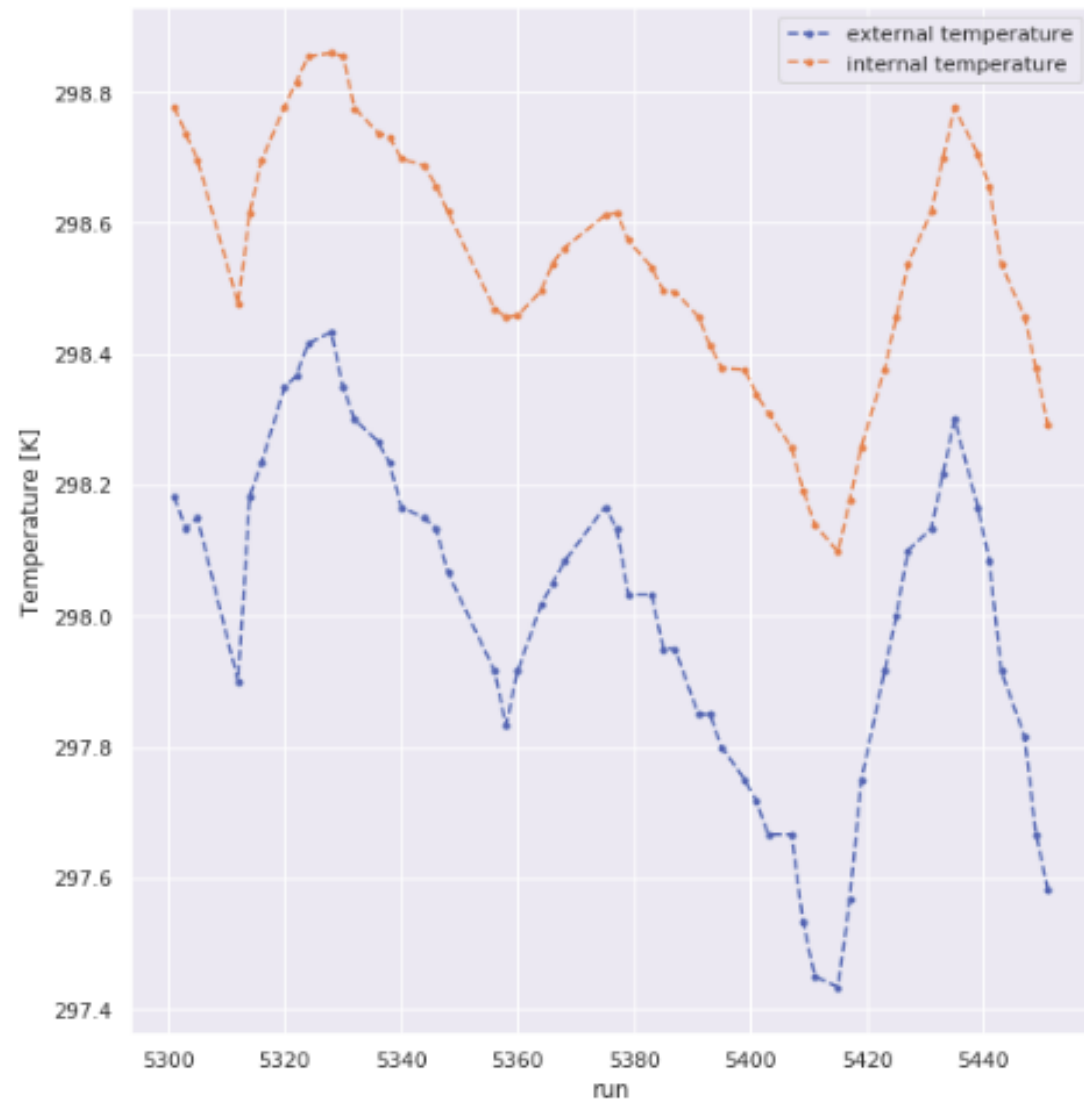


Total intensity =  $1.78 \times 10^7 \pm 865$

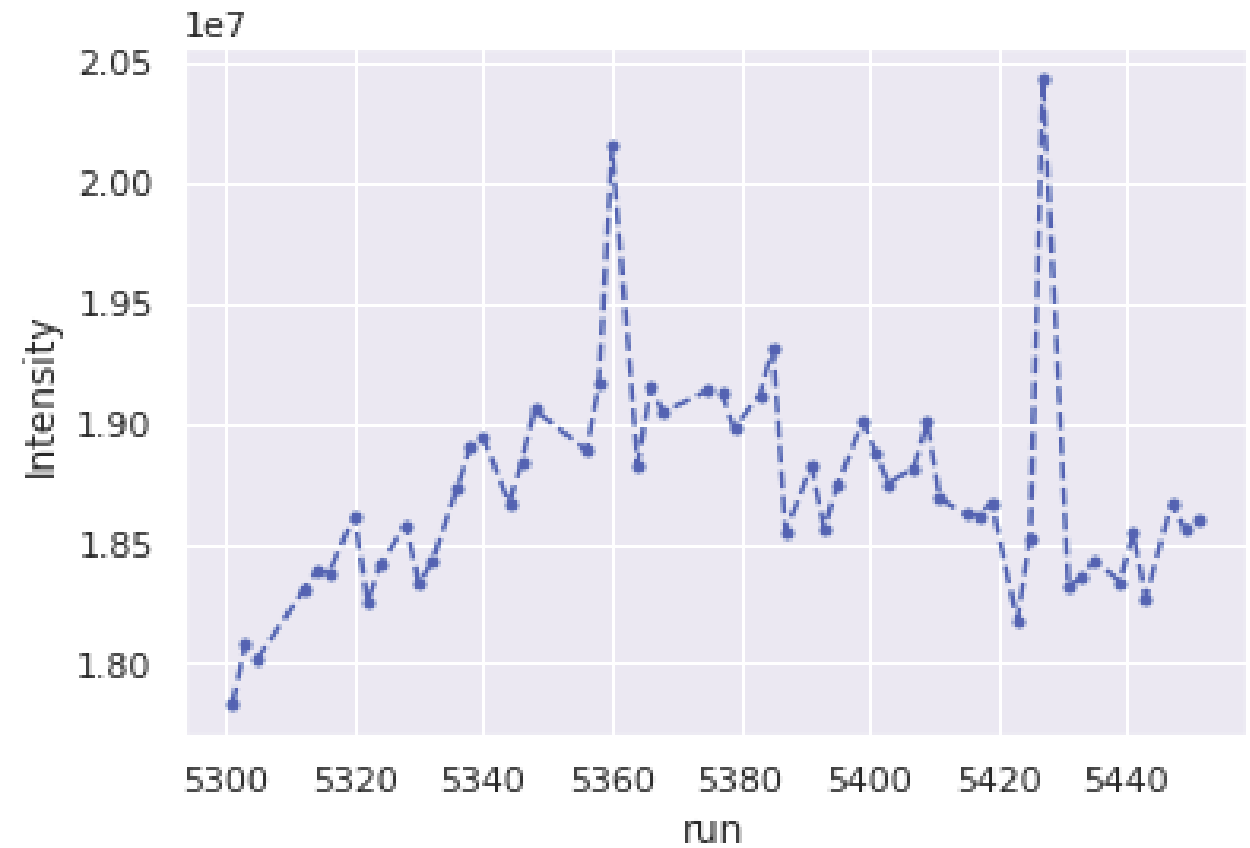
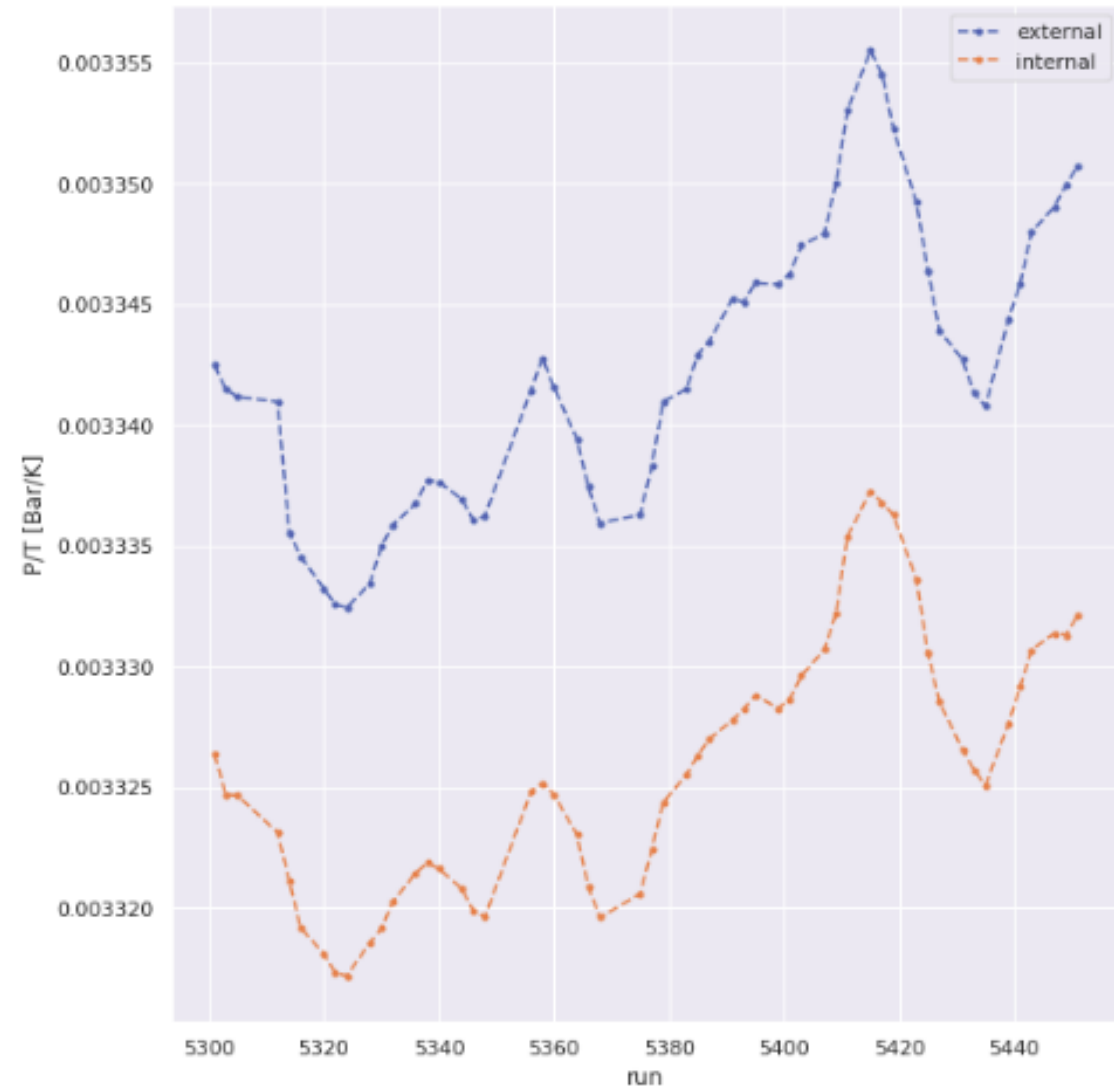
## Environment sensor: Pressure and Temperature

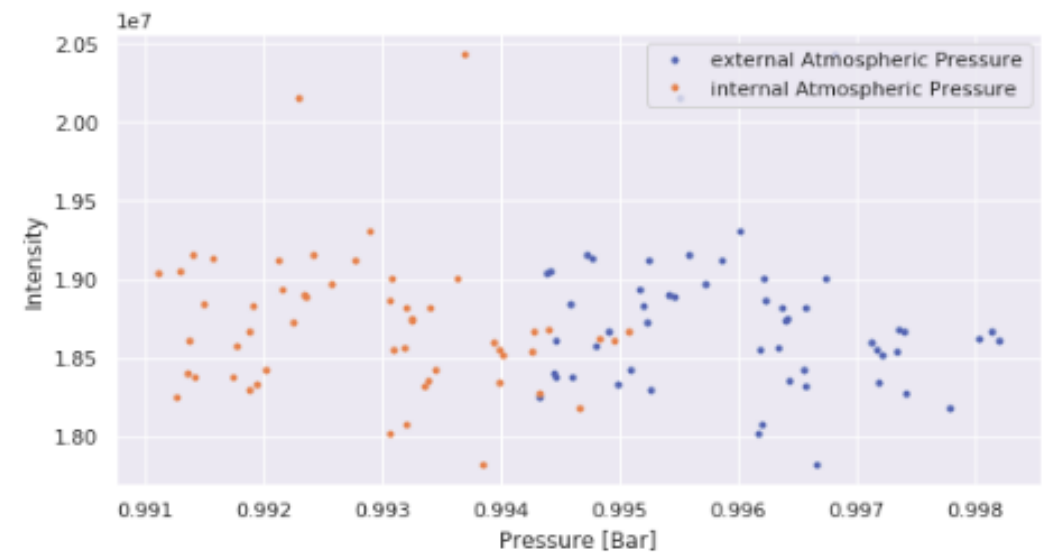
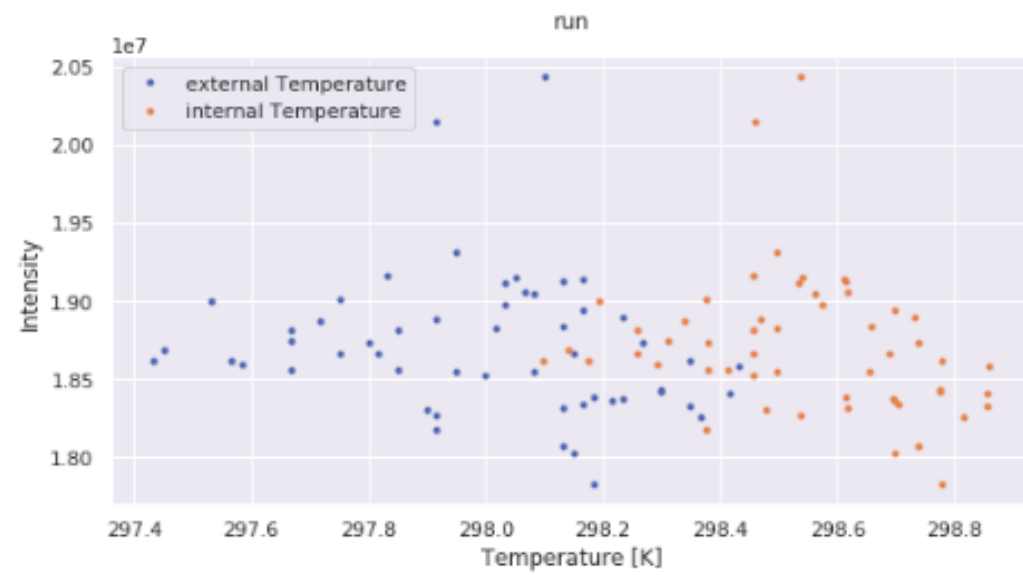
Internal Temperature = the sensor is exposed to the outgoing gas, outside the faraday cage  
External Temperature = the laboratory temperature





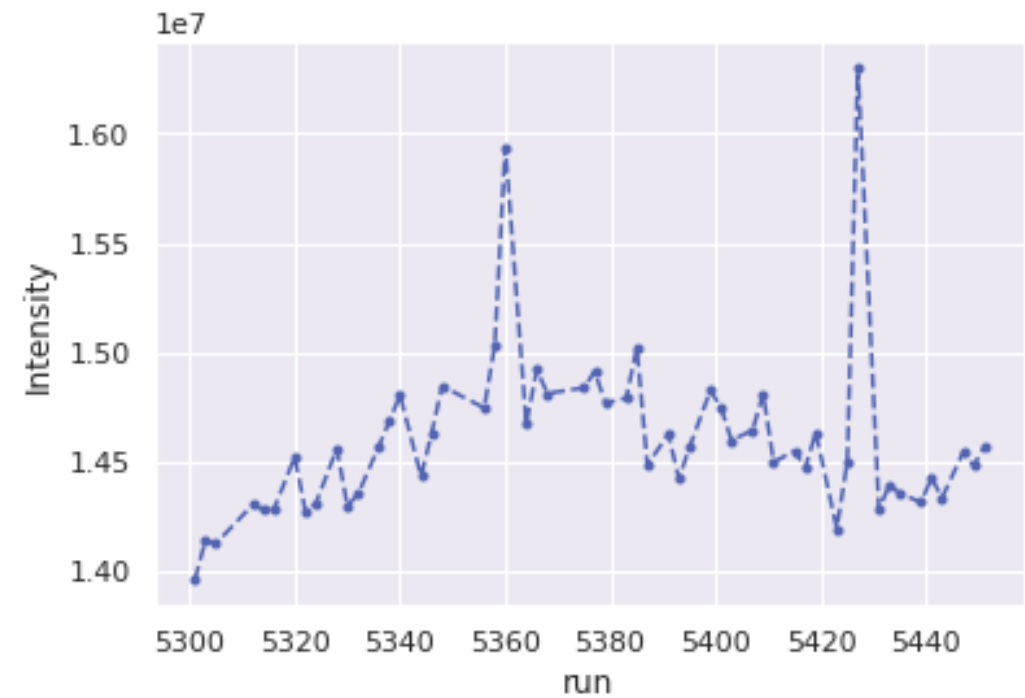
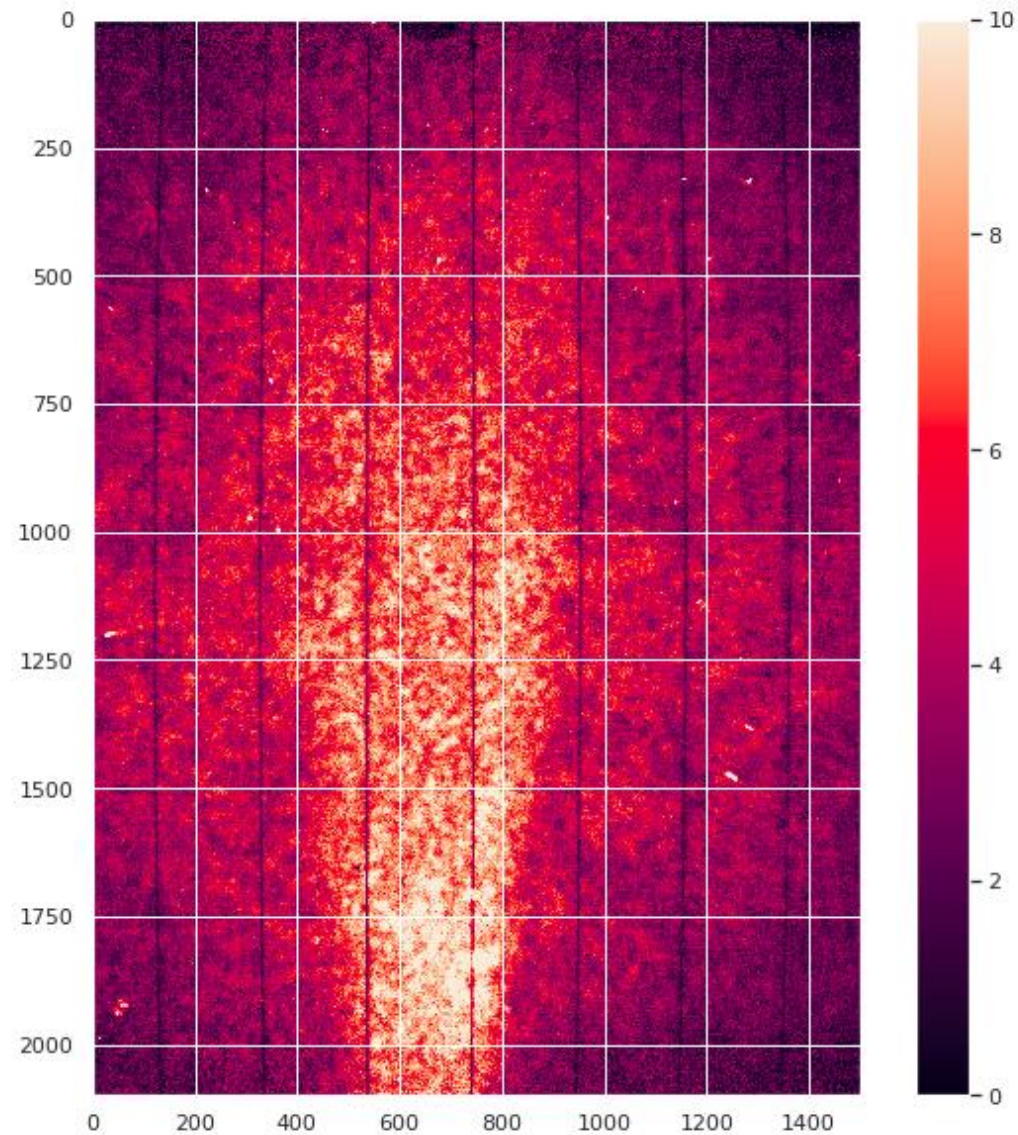
## Total intensity for each run







Using the same procedure the intensity has been evaluated only in the signal region:





## **<sup>55</sup>Fe peak**

Run: 5300 - 5348

Date: 24/10/2021 - 29/10/2021

Exposure time: 0.05s

### **Procedure:**

1. For each run the pedestal is subtracted
2. The number of clusters is reconstructed
3. The number of photons in evaluated

