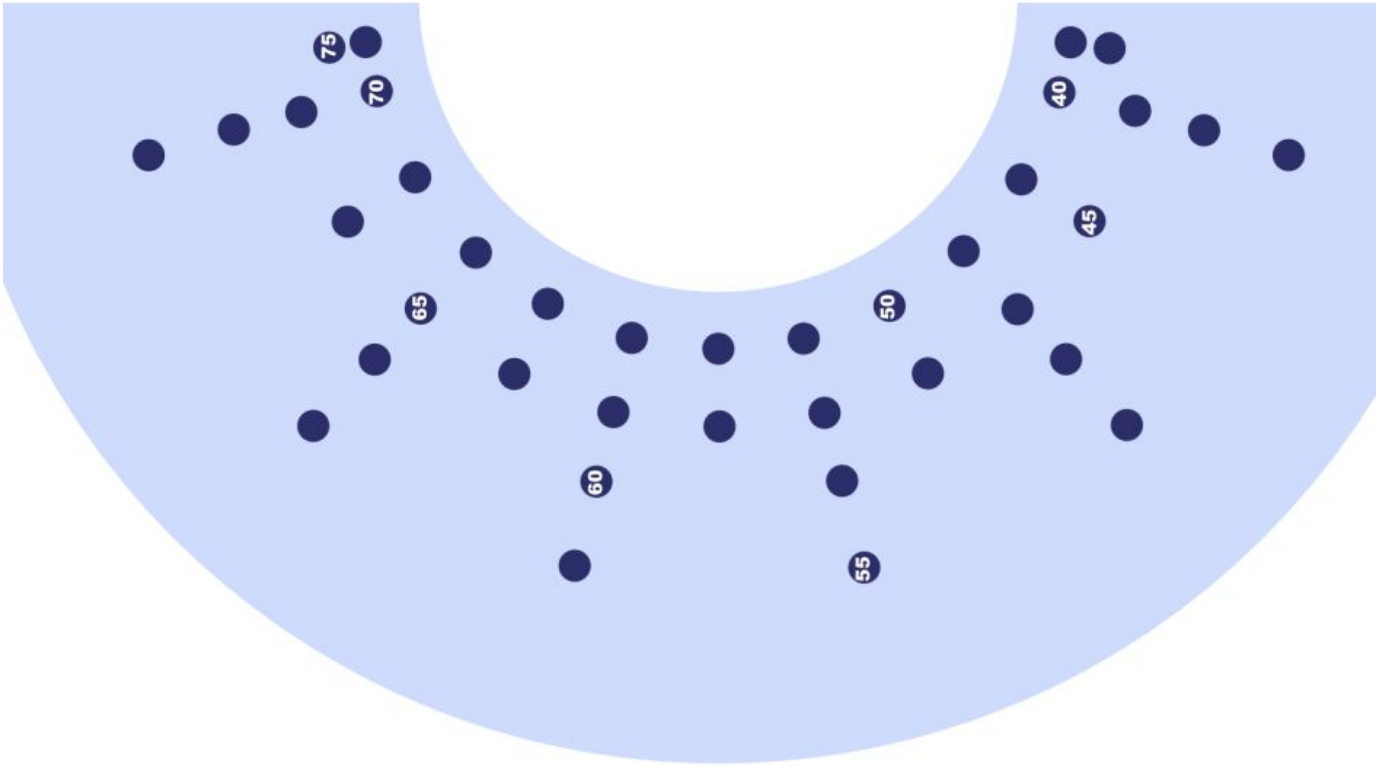
Results from day 5

23rd of April 2021

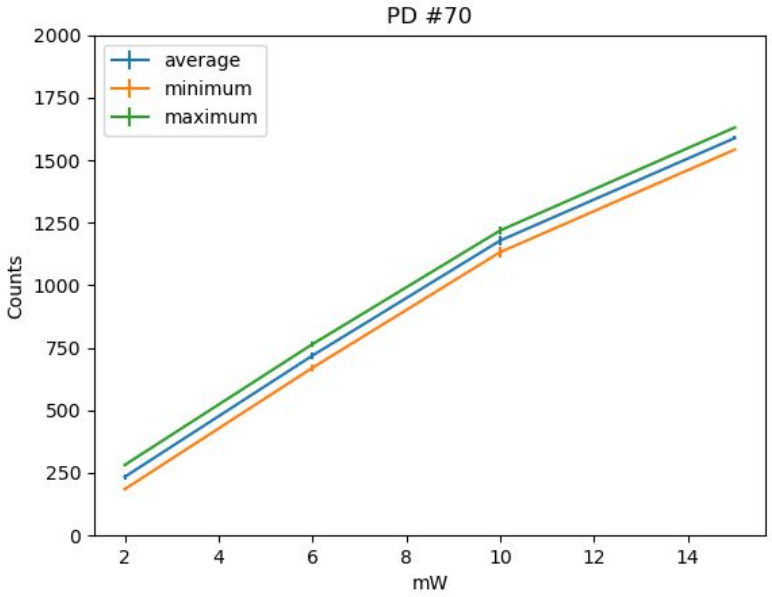
Distribution of PDs and associated numbers

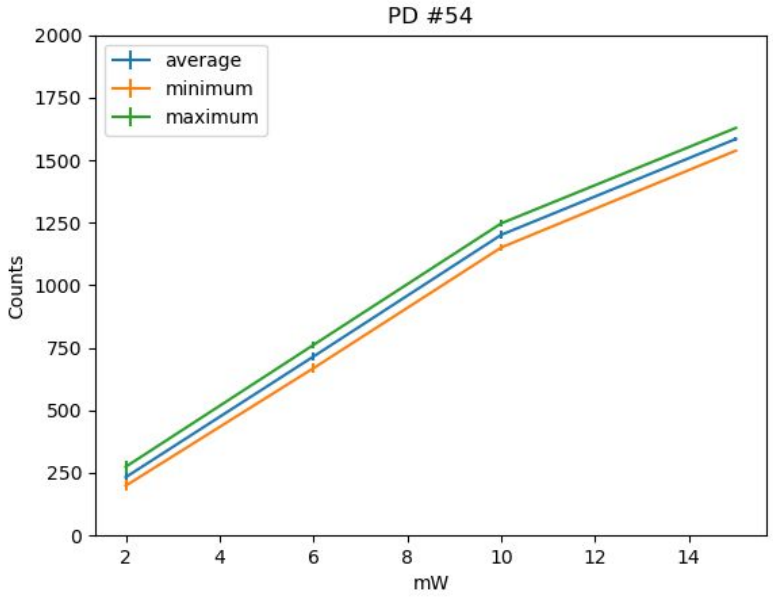


Measurements

- We measured all PDs from 38 to 75 (except for PDs 61 and 73 due to them being outside the x-y table range).
- Points that were measured for each: **2mW, 6mW, 10mW and 15mW**
- **15”** of data for each power

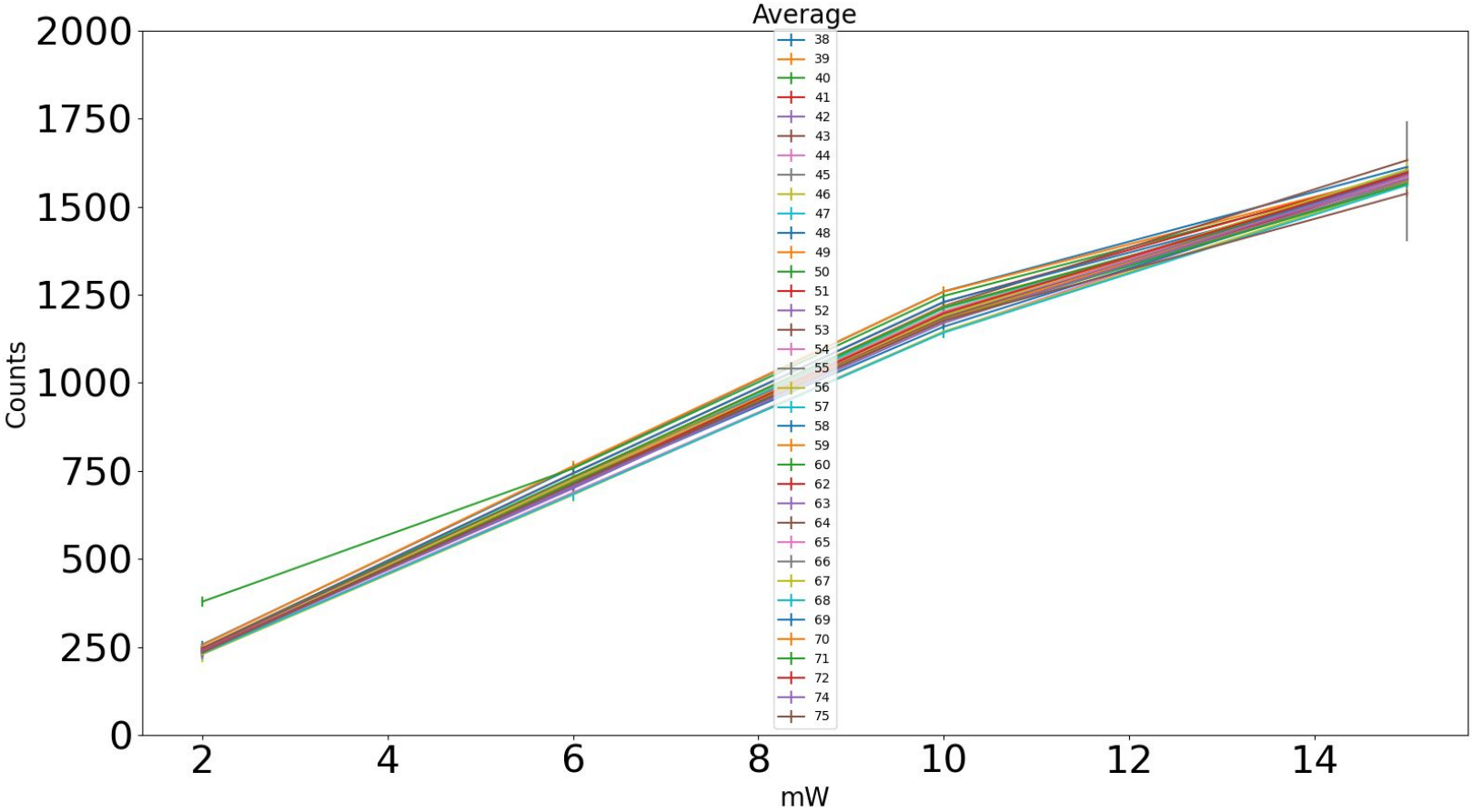
Average, minimum and maximum for each PD



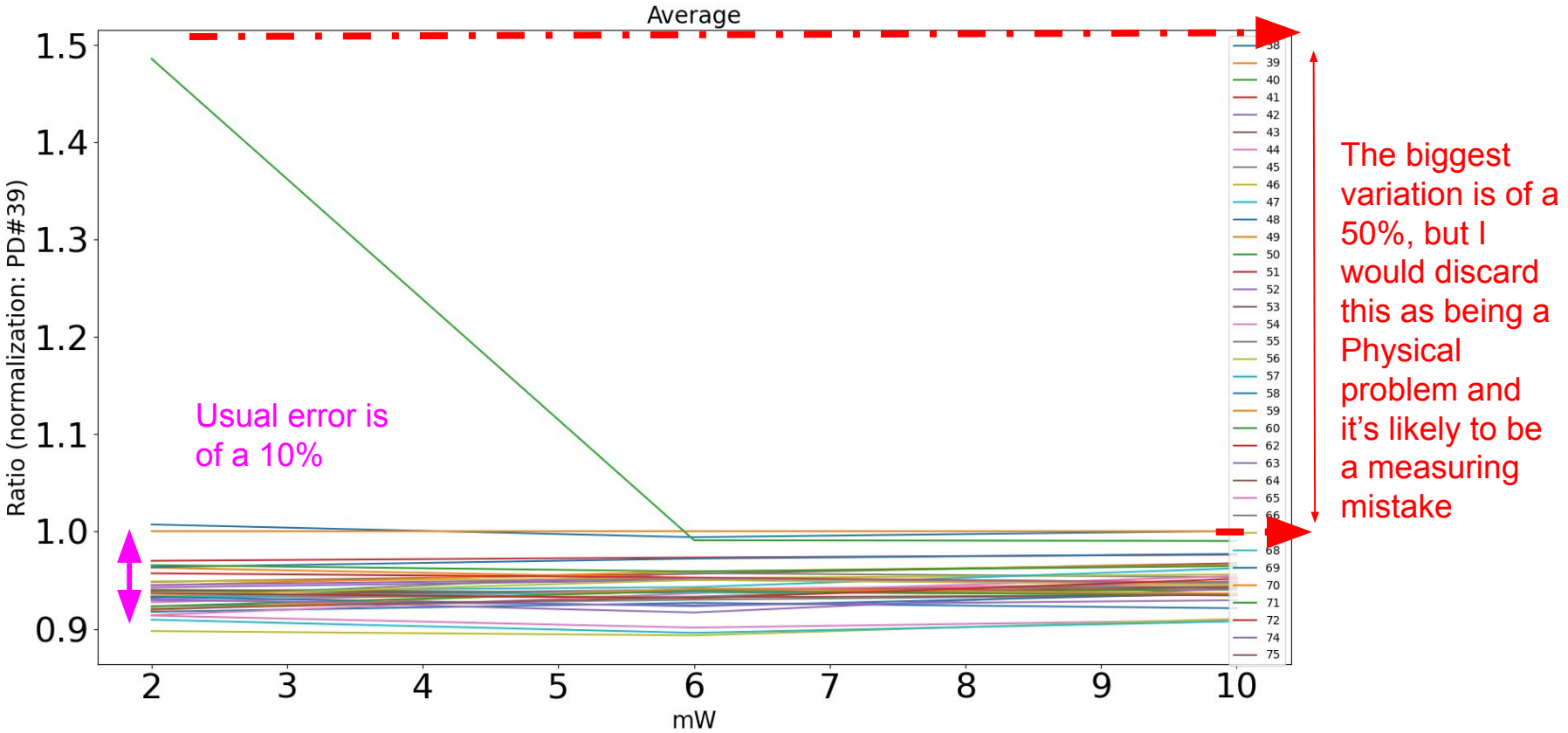


All the other curves are similar and they can be found in [this link]

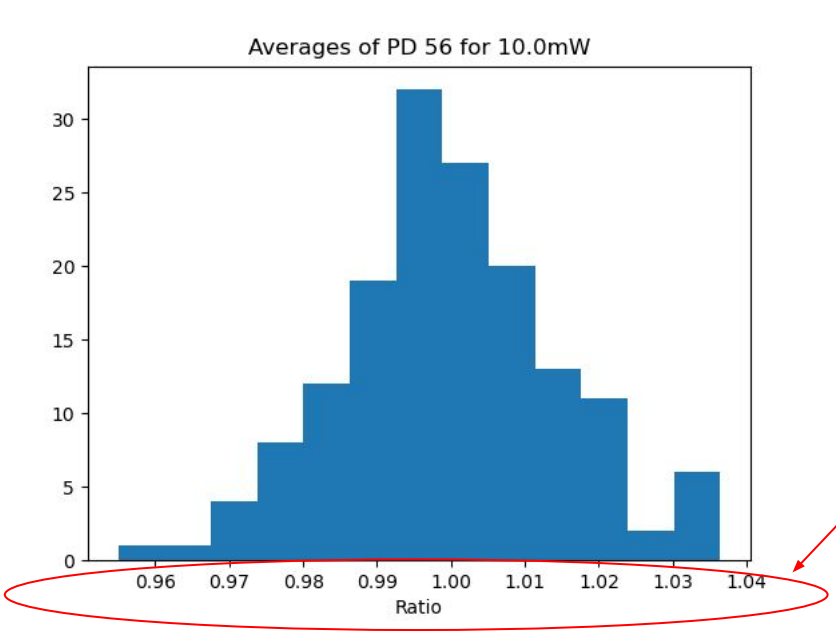
Averages of photosensors

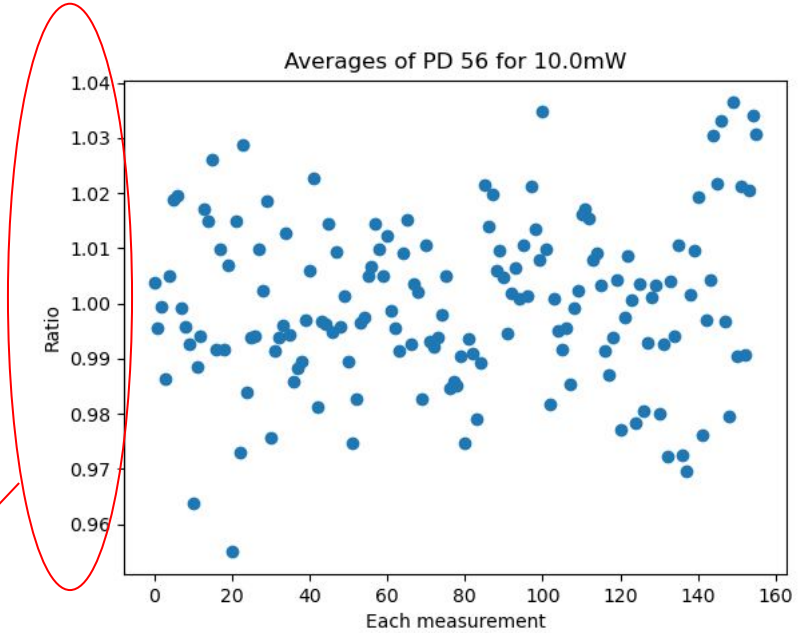


Averages of PDs normalized by the average of the PD#39



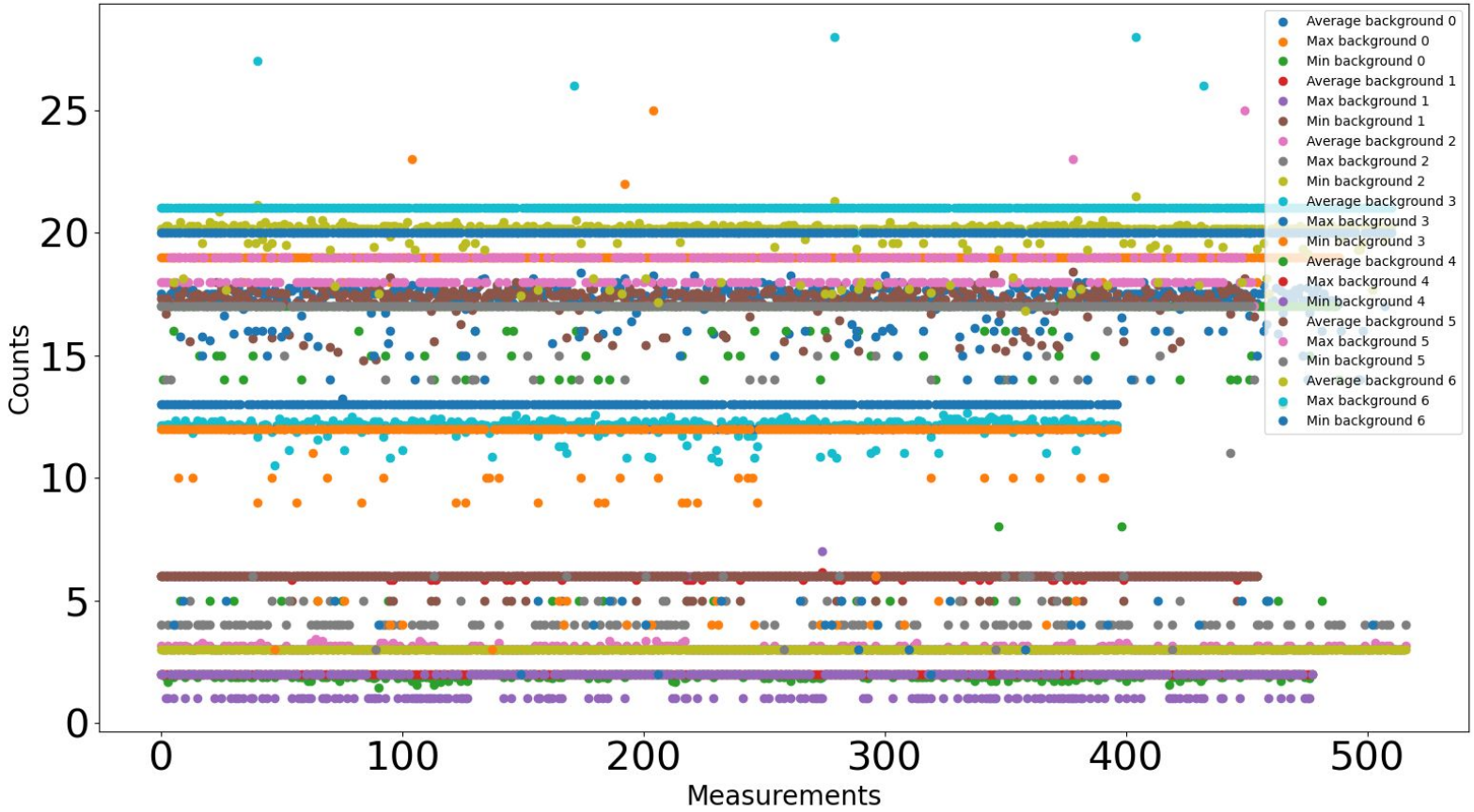
Variations of the average for **PD 56 and power 10mW**



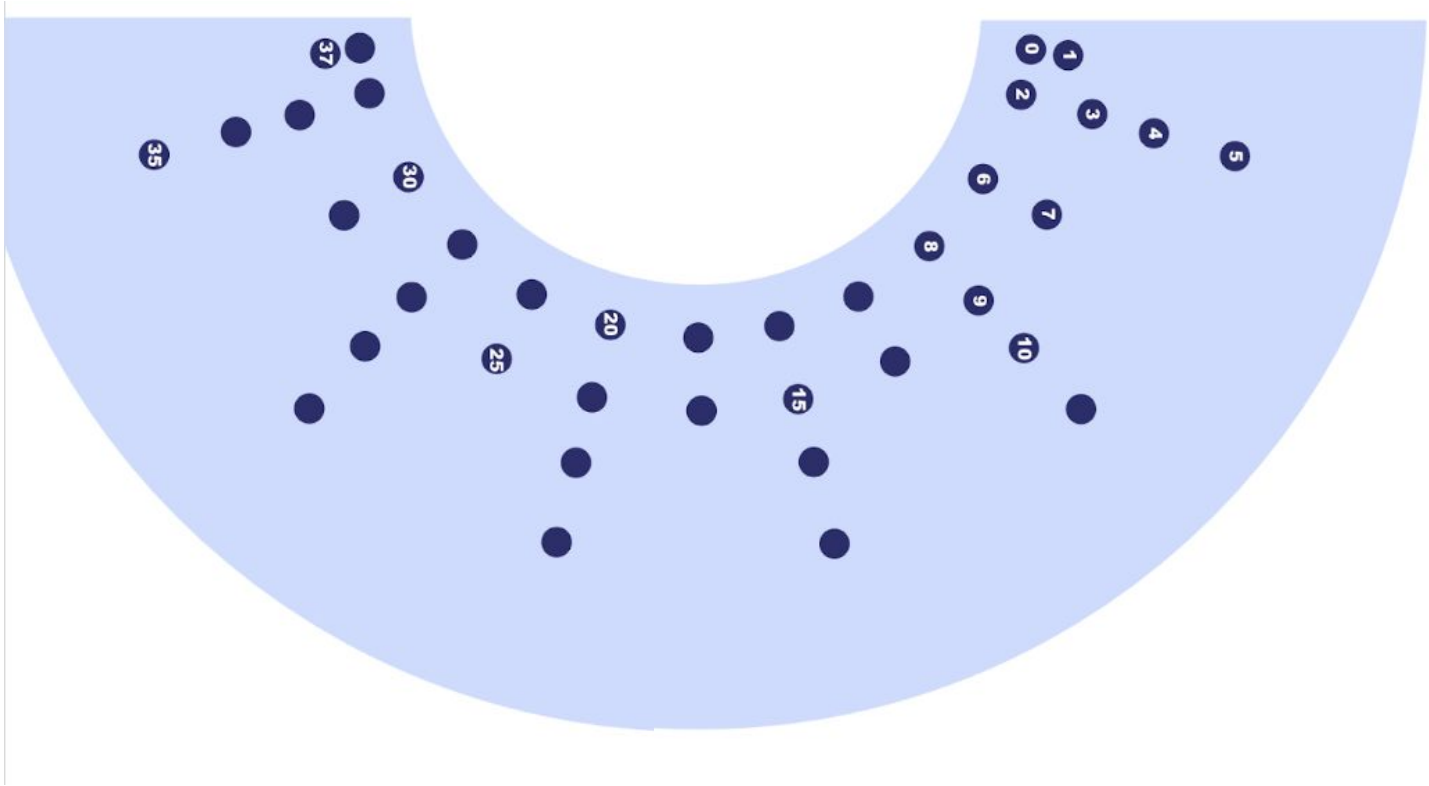


There’s more dispersion than in measurements from other days

Background


Average background 0
Max background 0
Min background 0
Average background 1
Max background 1
Min background 1
Average background 2
Max background 2
Min background 2
Average background 3
Max background 3
Min background 3
Average background 4
Max background 4
Min background 4
Average background 5
Max background 5
Min background 5
Average background 6
Max background 6
Min background 6
Counts
Measurements
0
5
10
15
20
25
0
100
200
300
400
500

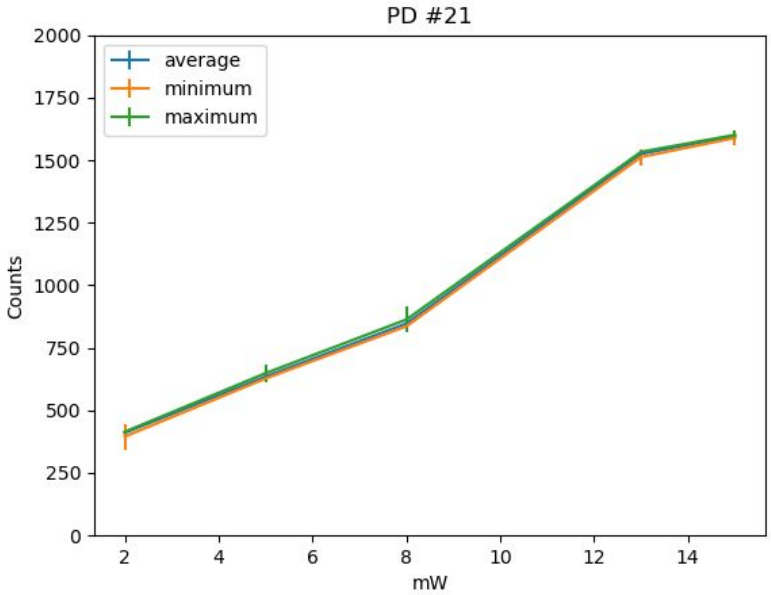
Distribution of PDs and associated numbers

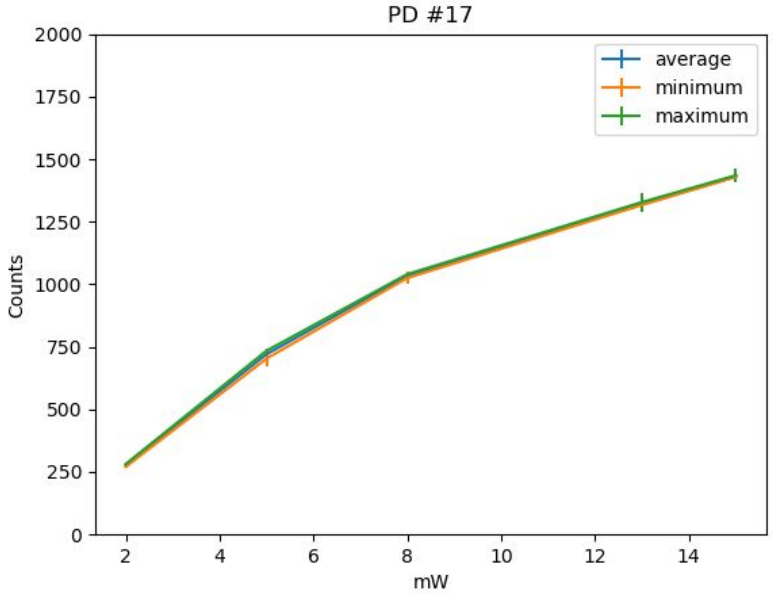


Measurements

- We measured all PDs from 0 to 37 (except for PDs 23 and 35 due to them being outside the x-y table range).
- In order to make use of some measurements that had already been performed over the PDs of this half baffle, we changed the sampling points: **2mW, 5mW, 8mW, 13mW and 15mW**
- **15”** of data for each power

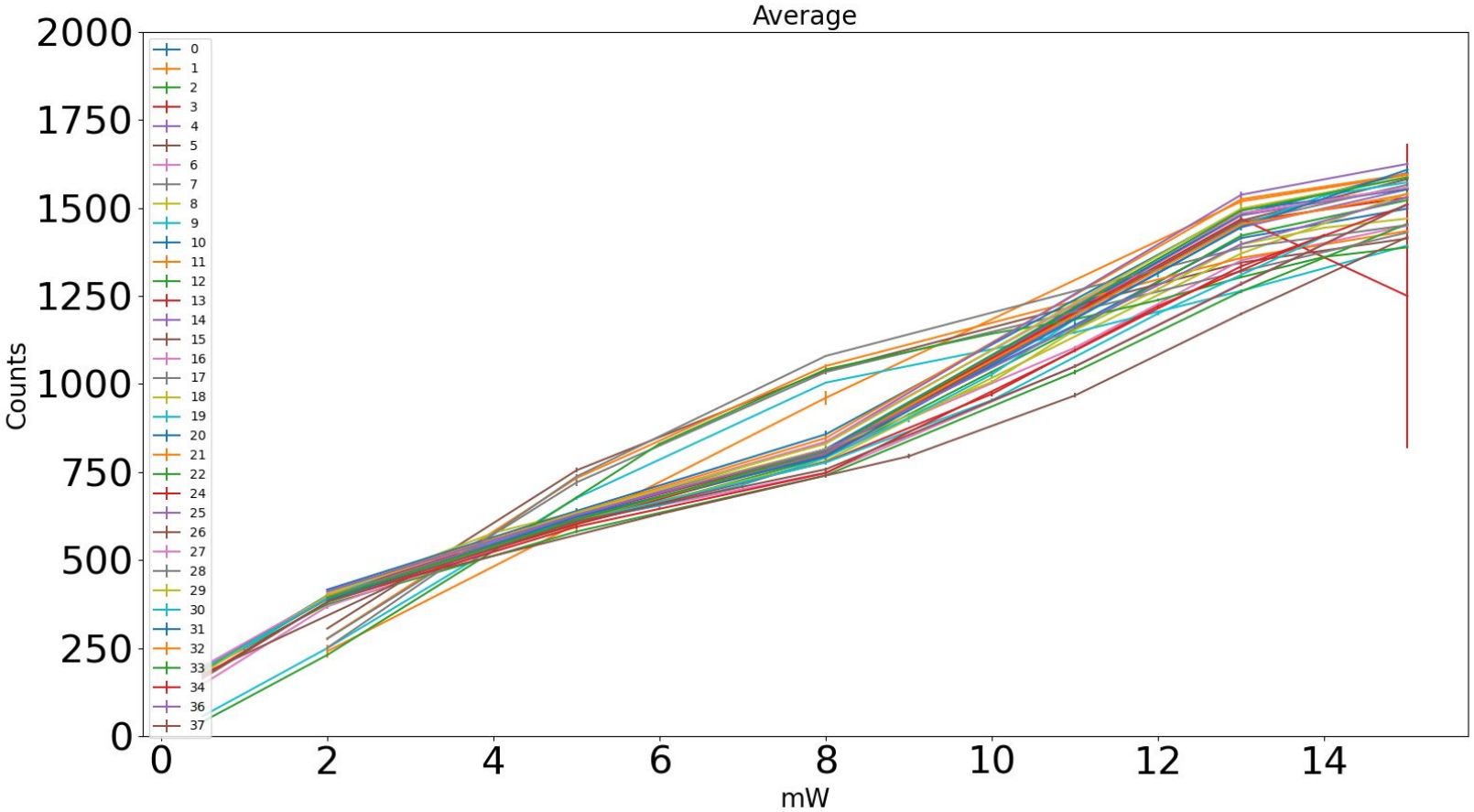
Average, minimum and maximum for each PD



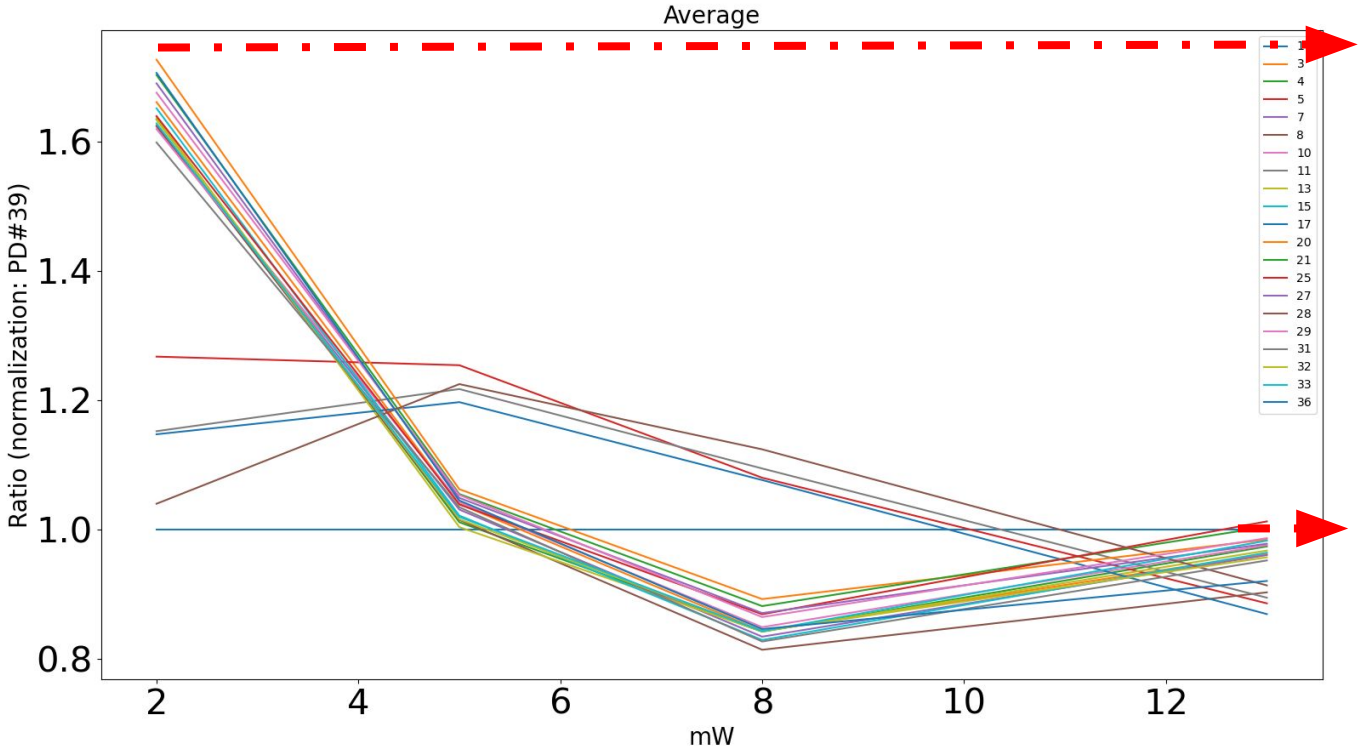


All the other curves can be found in this link

Averages of photosensors

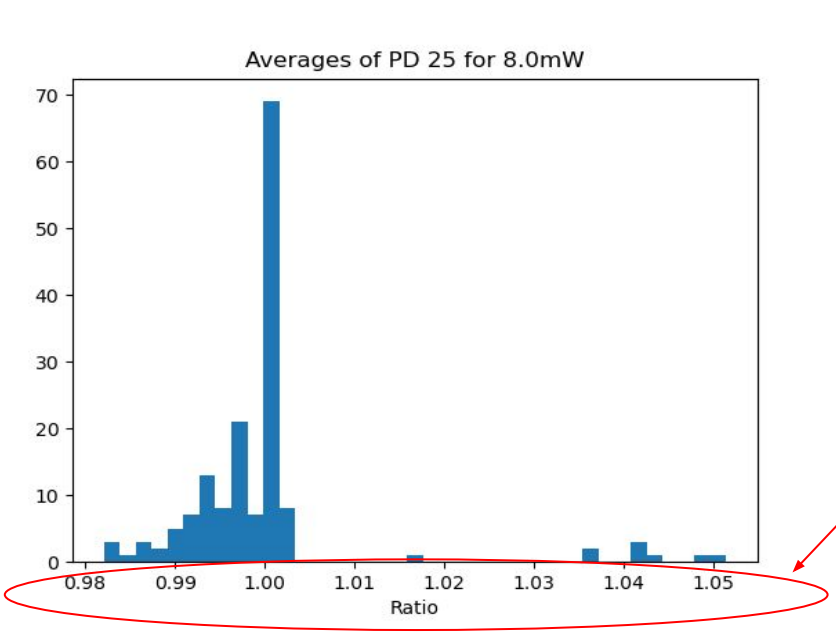


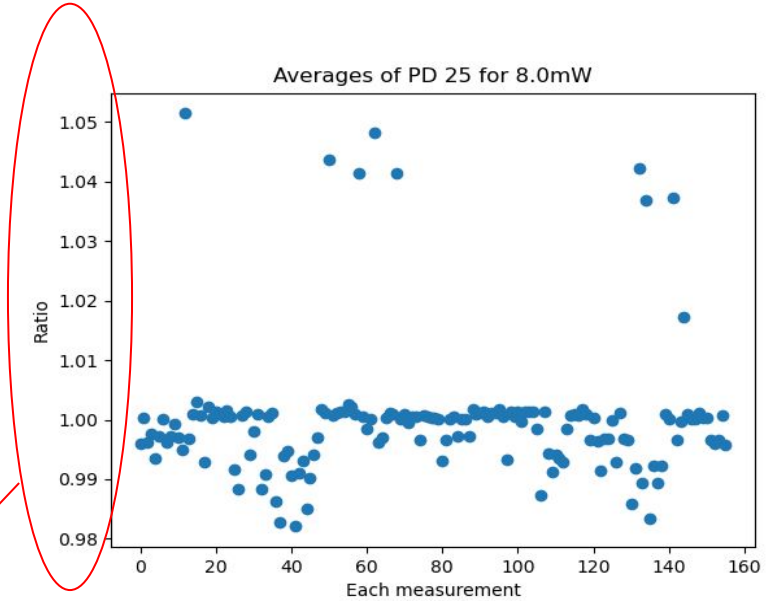
Averages of PDs normalized by the average of the PD#0



The biggest variation is of a 70%. I think it may be due to having measured these PDs in different days (some on day 2 and others today) because, as you can see, there are “2 sets curves”

Variations of the average for **PD 25 and power 8mW**





Where to find all the data and the results

Given that all measurements have come to an end, I have gathered all data from the 5 days and the corresponding analysis into a Google Drive Folder that you can access through this link