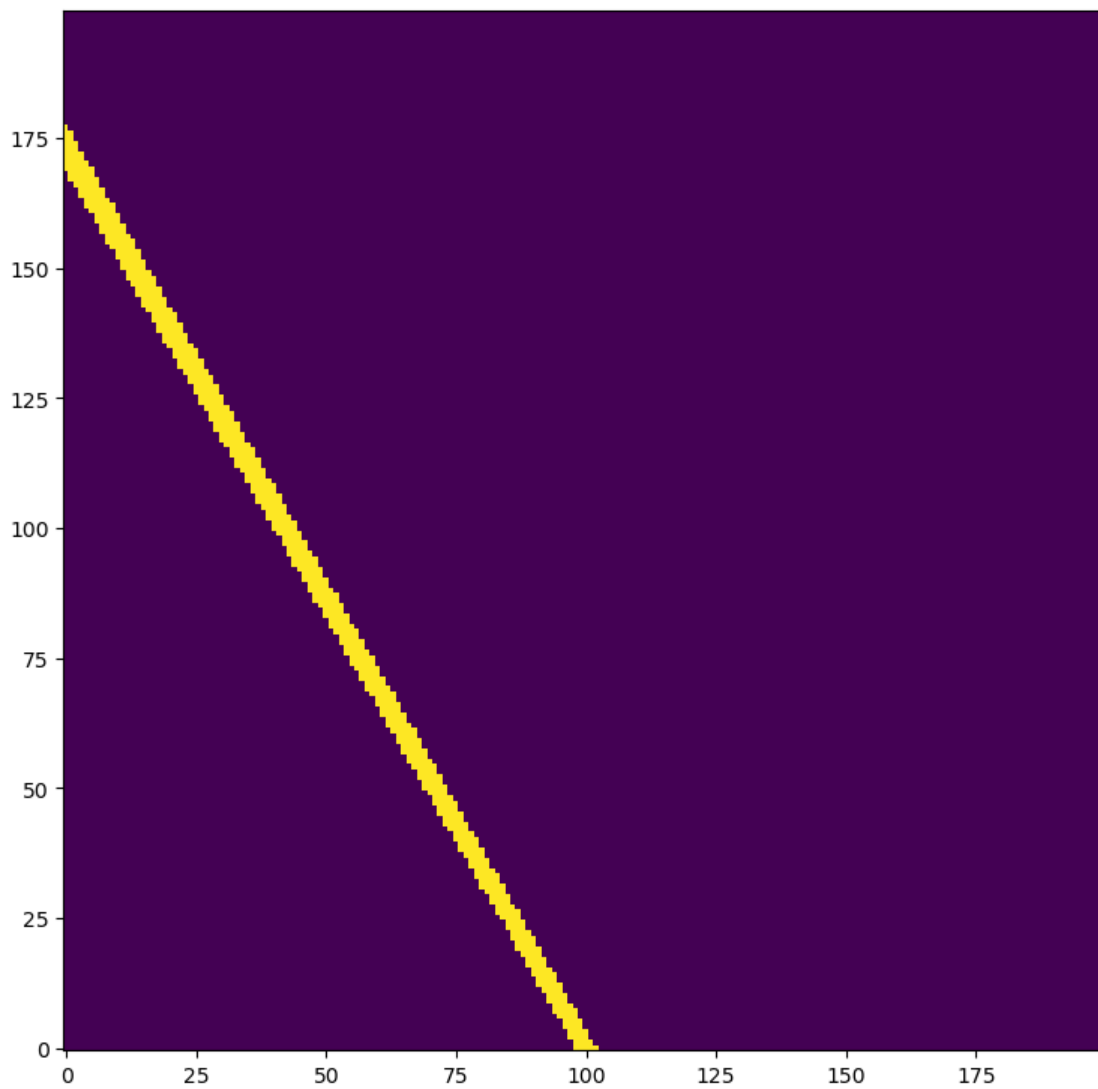


dummy\_matrix

September 11, 2024

## 1 Create dummy system matrix

<matplotlib.image.AxesImage at 0x728d58149b50>

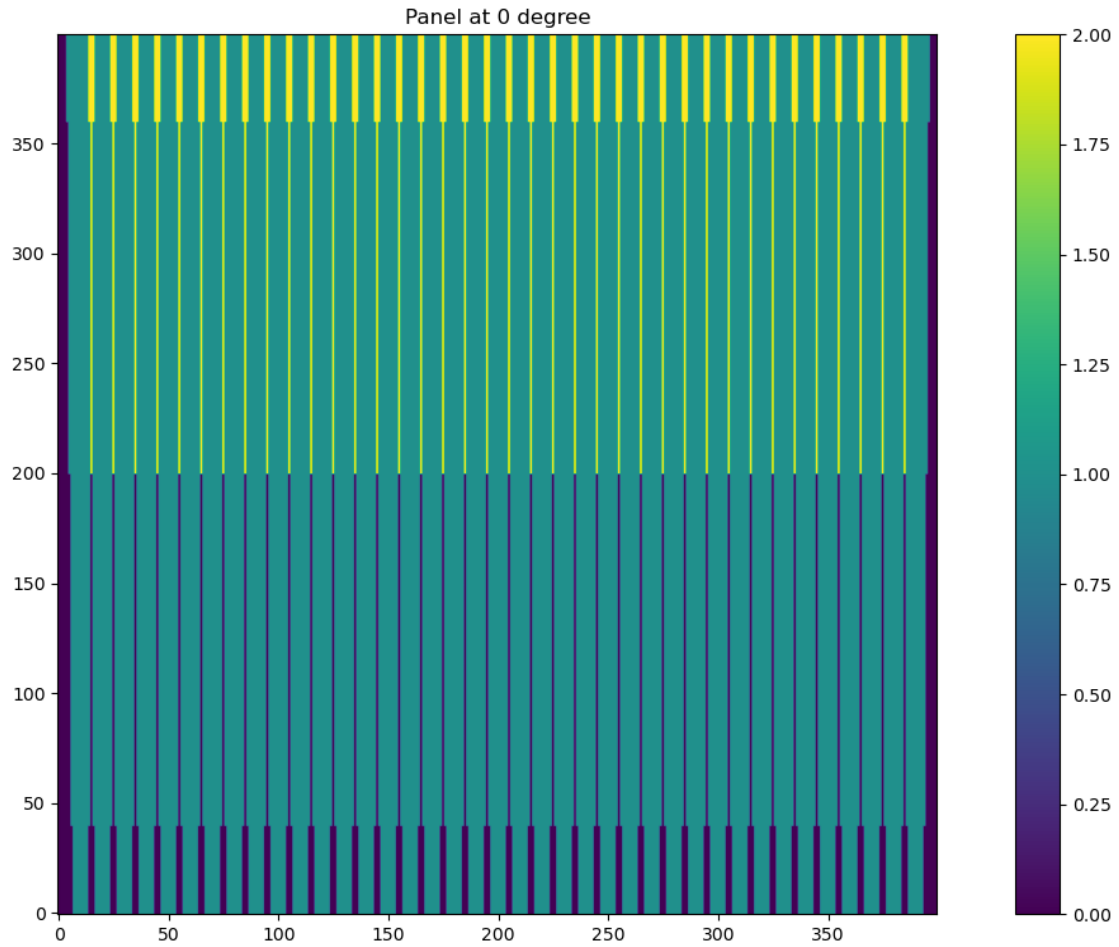


## 1.1 More strips

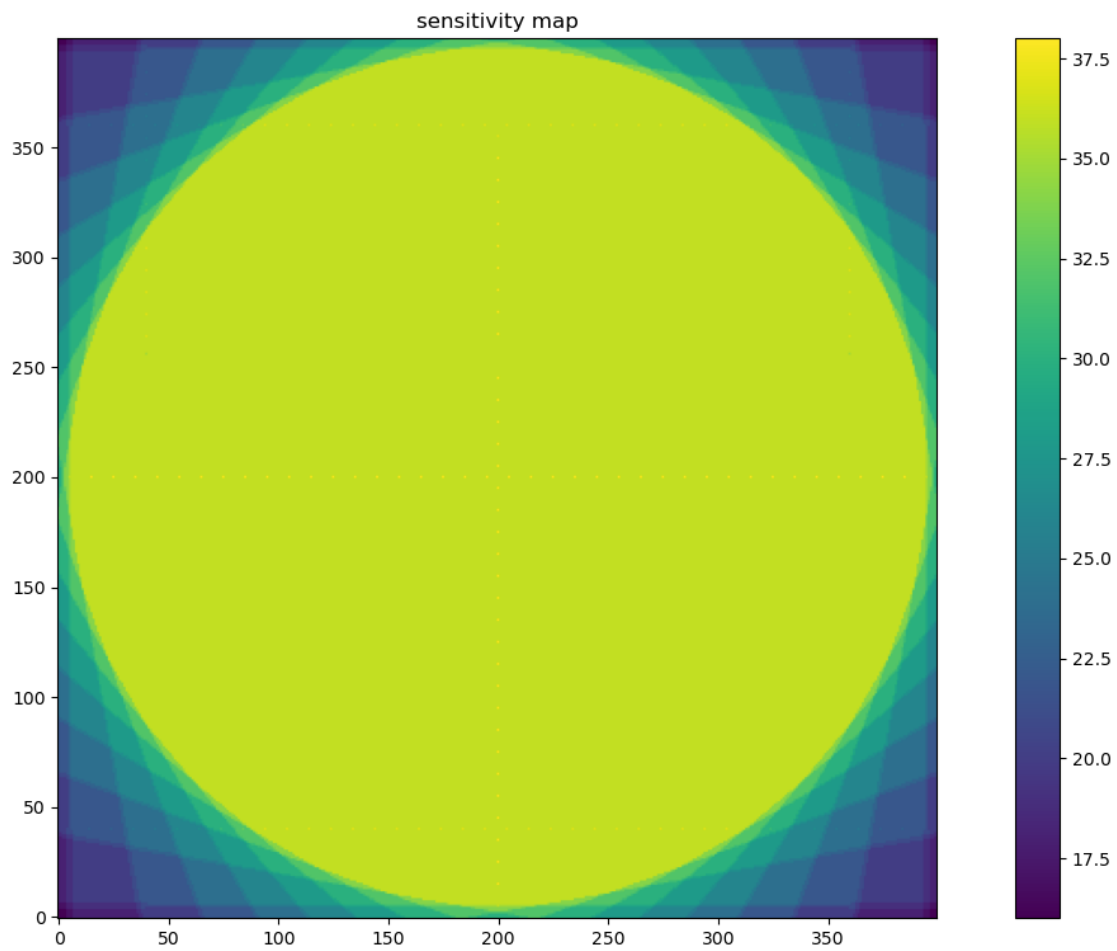
### Dummy detector setup

- 39 detector units in 1 panel
- 36 panels surrounding the FOV in 360 degrees
- strips are generated as trapezoids with given longer and shorter bases
- strips are uniform for all detector units

#### 1.1.1 One panel

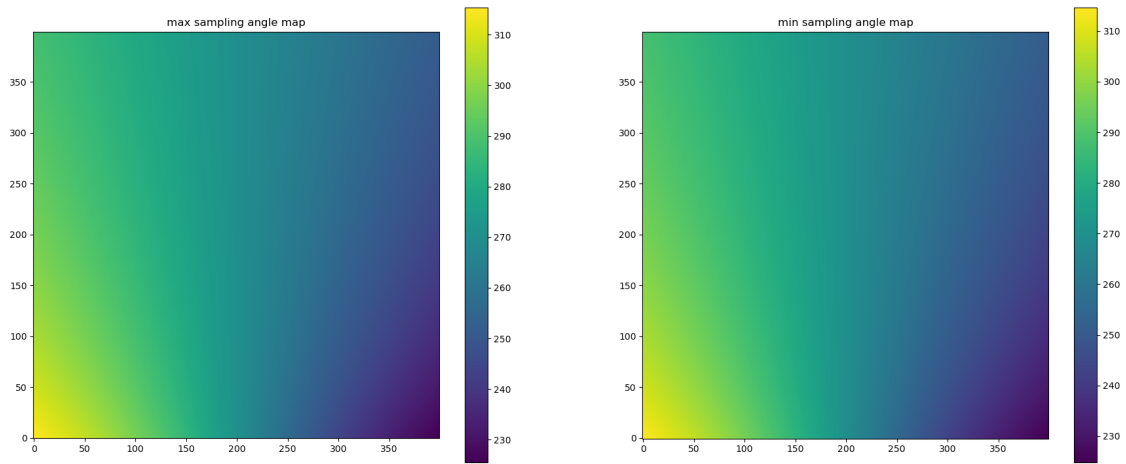


### 1.1.2 Sensitivity



### 1.1.3 sampling angle max and min routine

### 1.1.4 test of the routine with a dummy detector unit @ (200, -200)



1.1.5 Max and Min sampling angle map of FOV pixels for all dummy detectors

1.1.6 Plot the max - min

