

# Notebook

June 4, 2024

## 1 Panel report

[3]: Calibration date: June 04 2024, 18:57

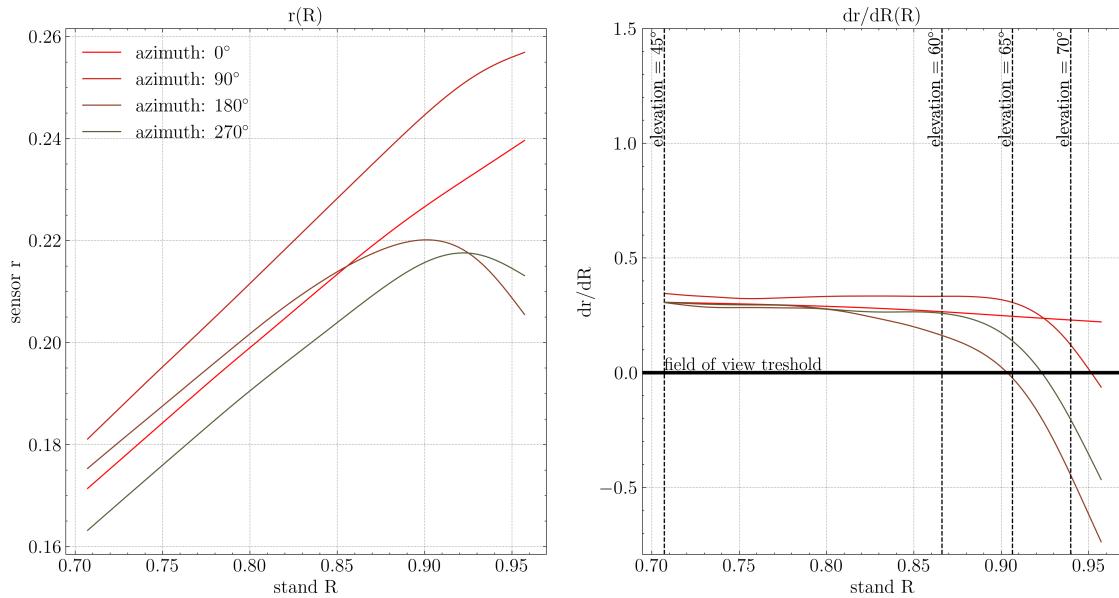
Panel number: g03-0003

Approximate estimated fov: 65.1085 degrees

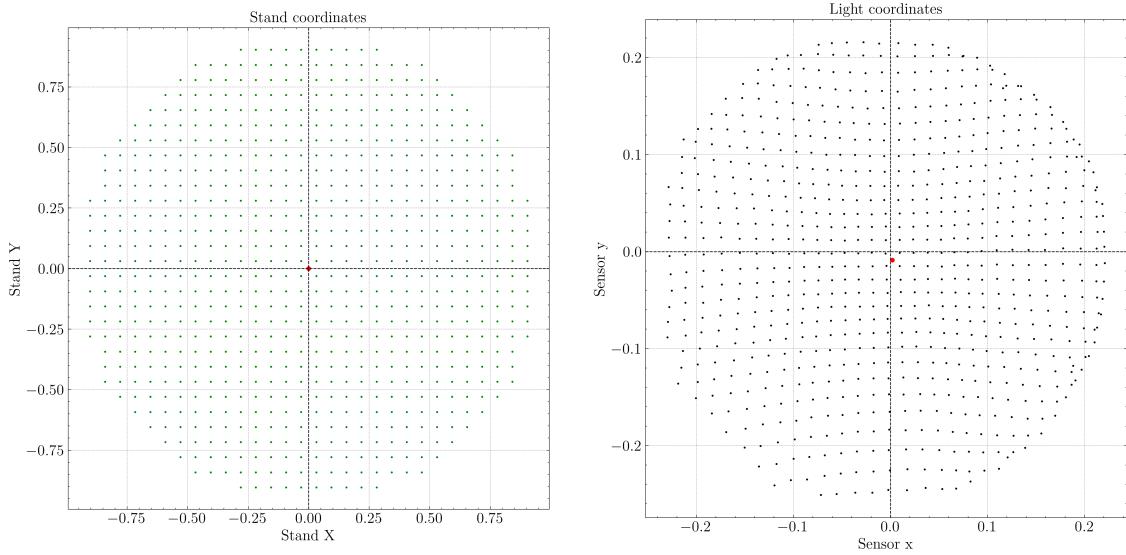
Grid size: 20x20

## 2 Initial tests

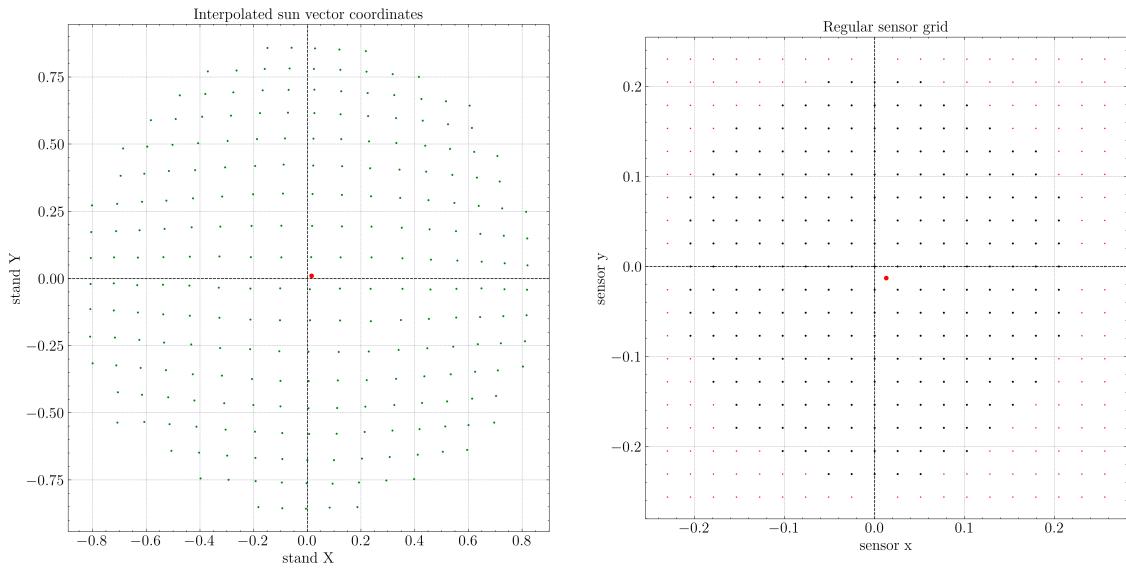
### 2.1 Sensor field of view preliminary estimation



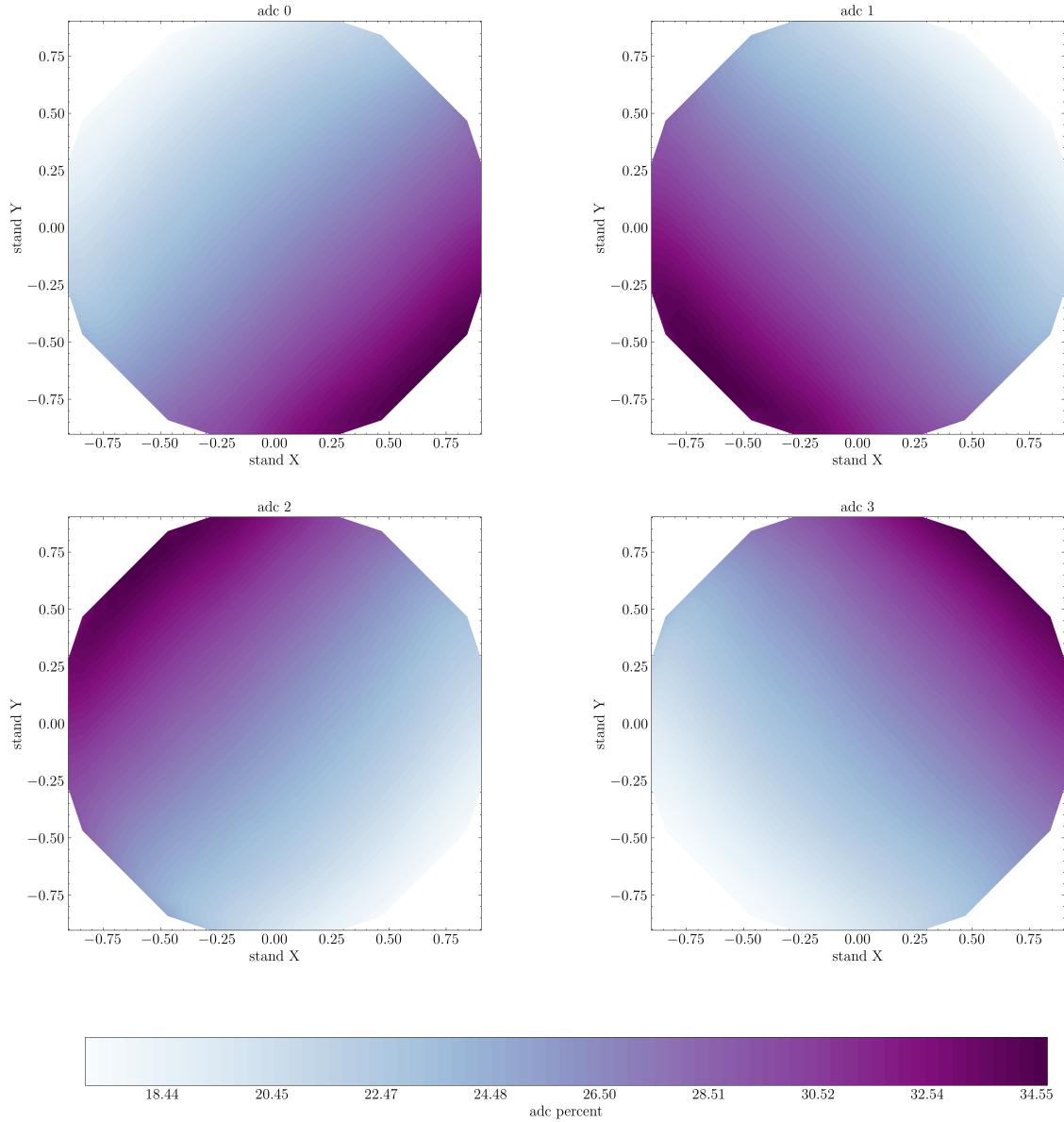
## 2.2 First passage



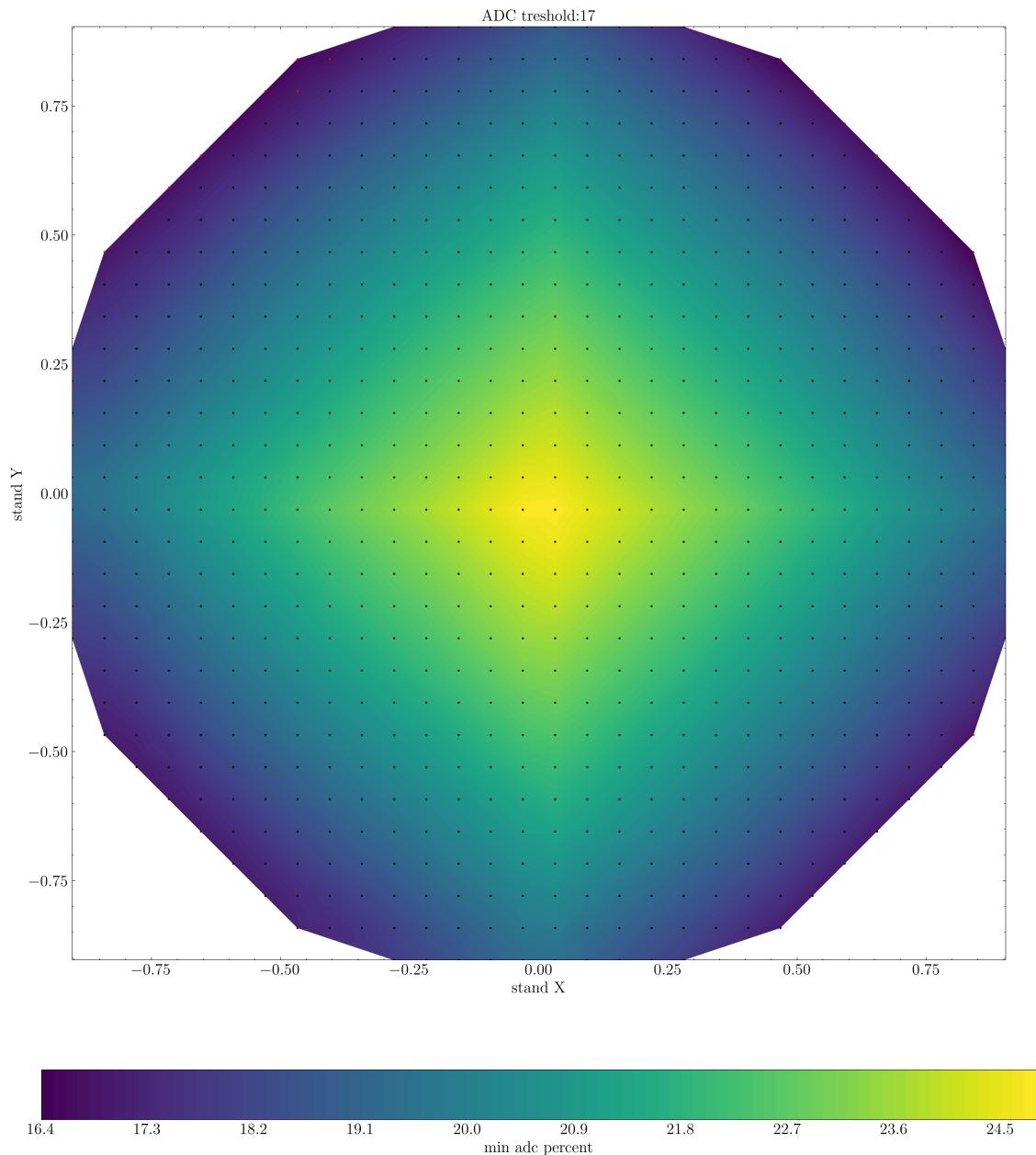
## 2.3 First interpolation result

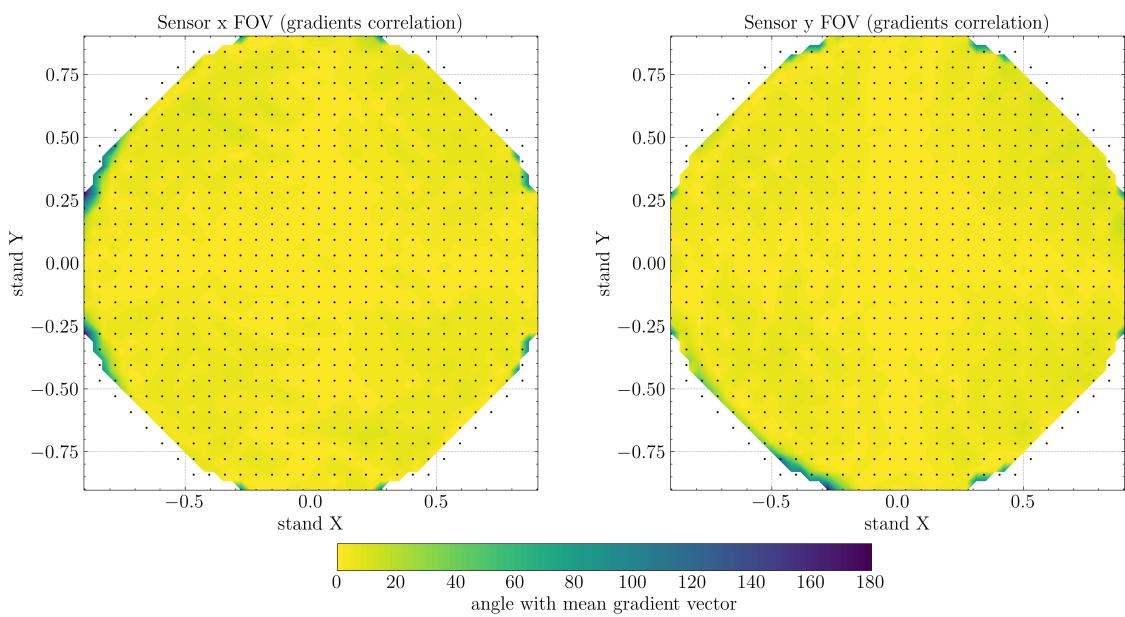
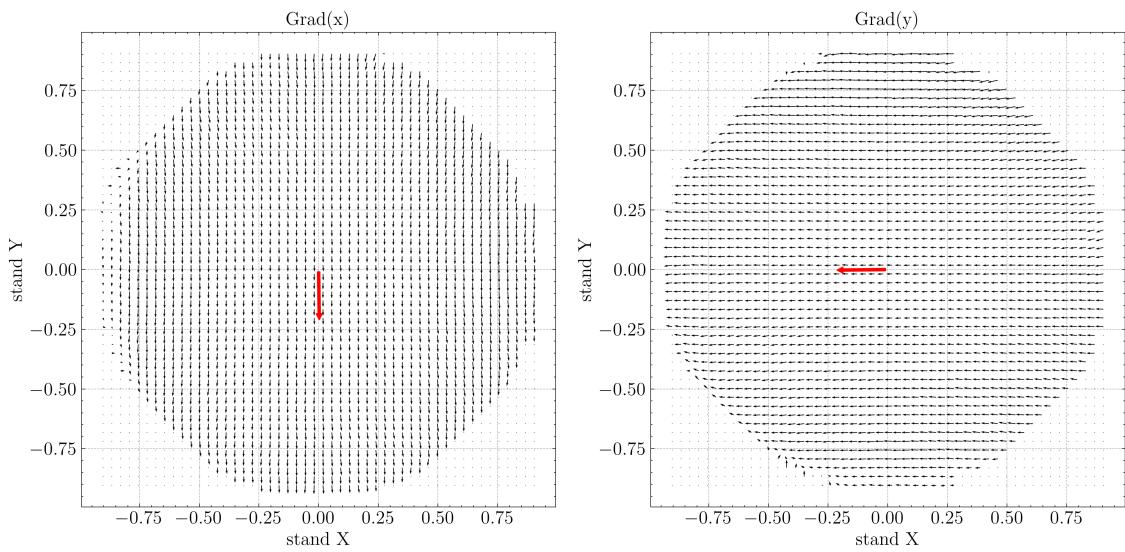


## 2.4 Adc channels light distribution in percents



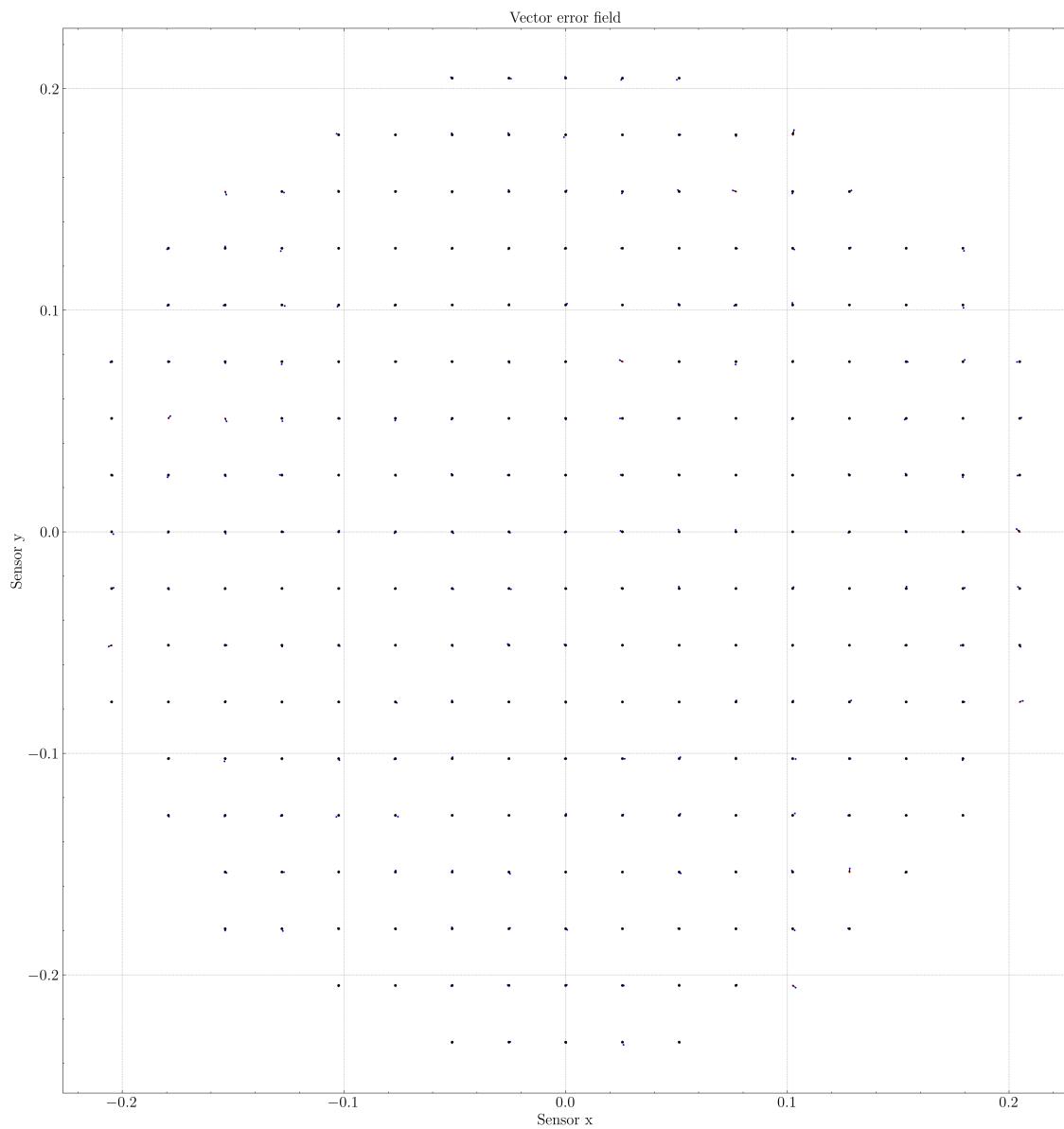
## 2.5 Sensor FOV

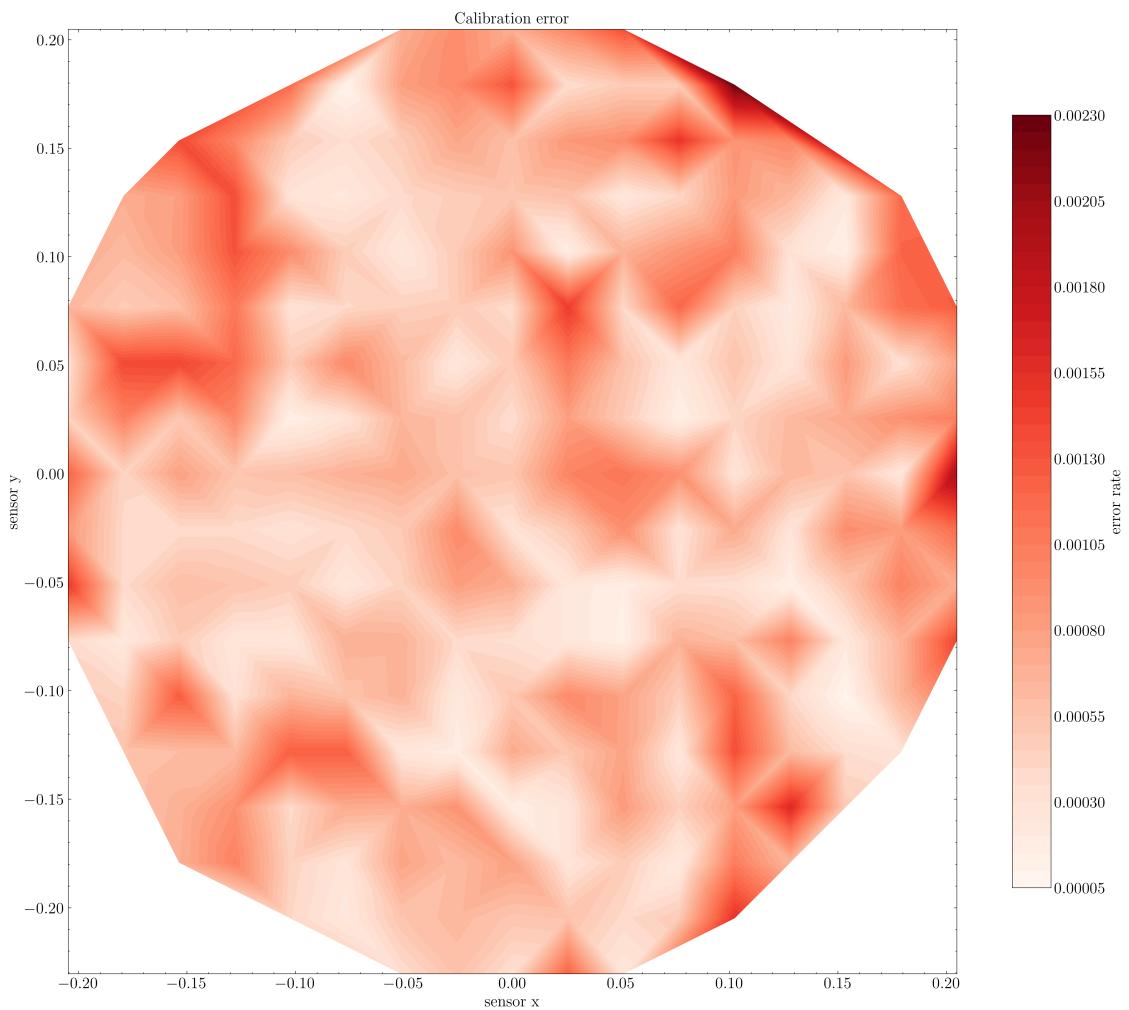




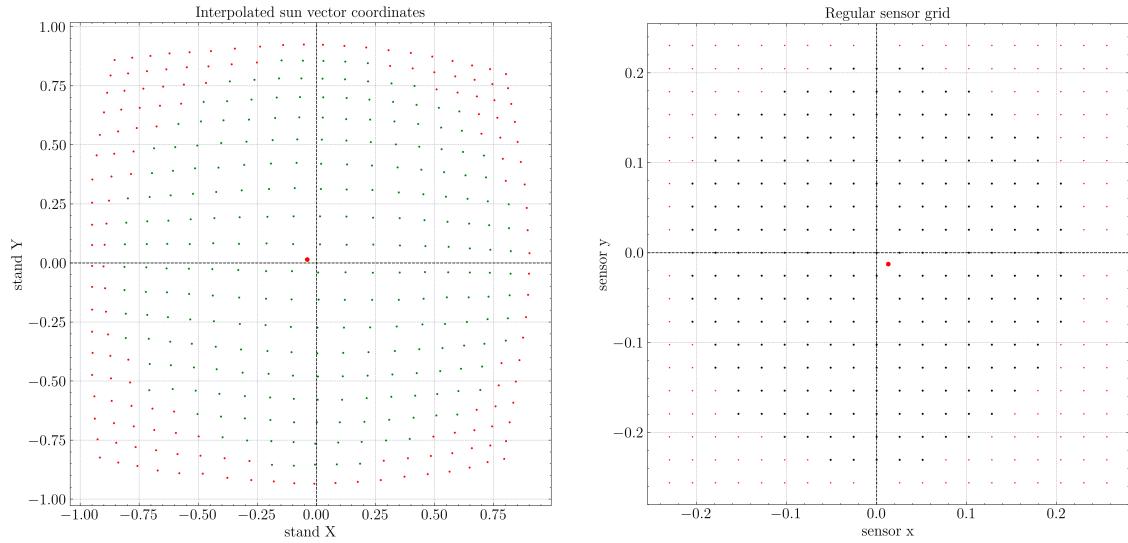
### 3 Second passage

#### 3.1 Second passage error assessment

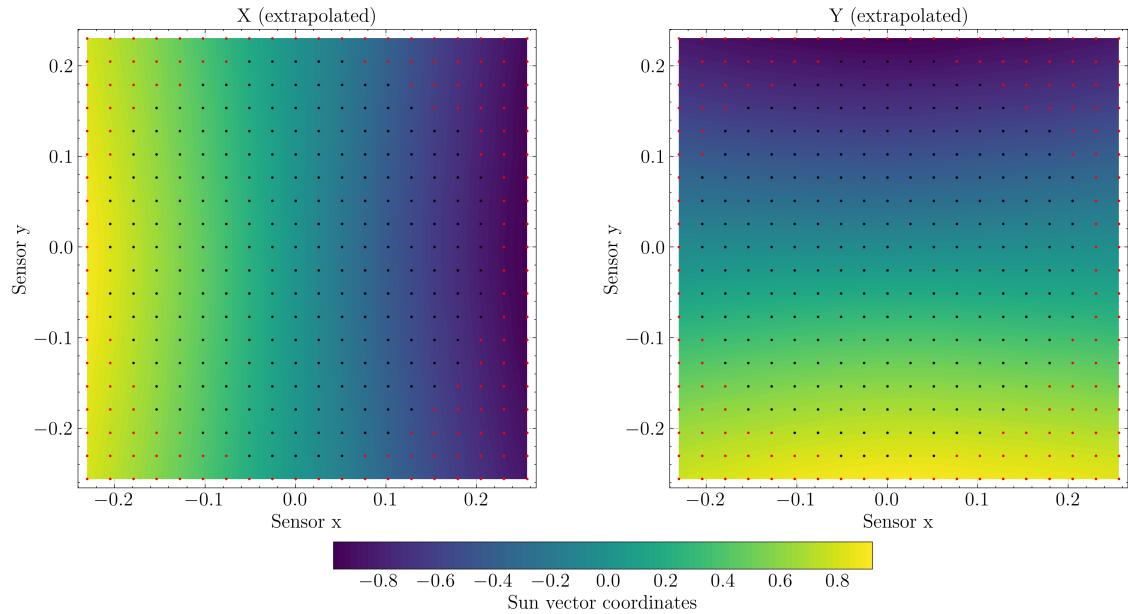


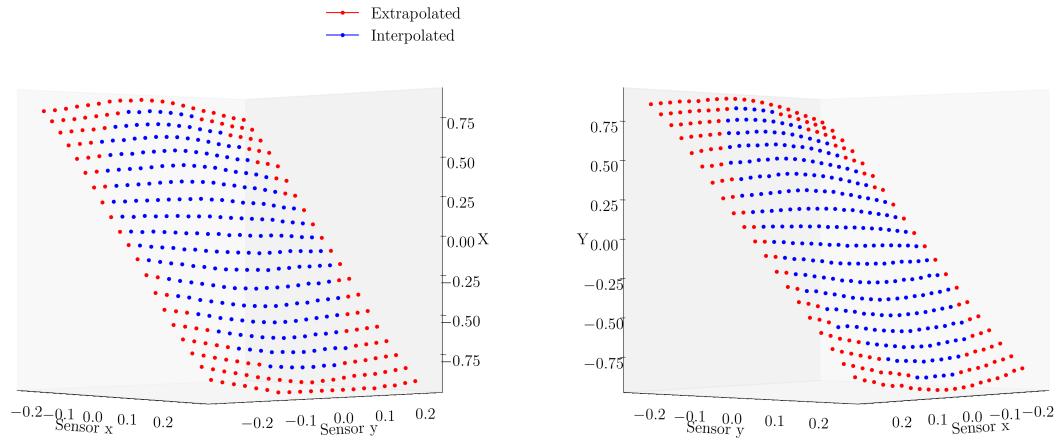


## 4 Second calibration results with cubic extrapolation

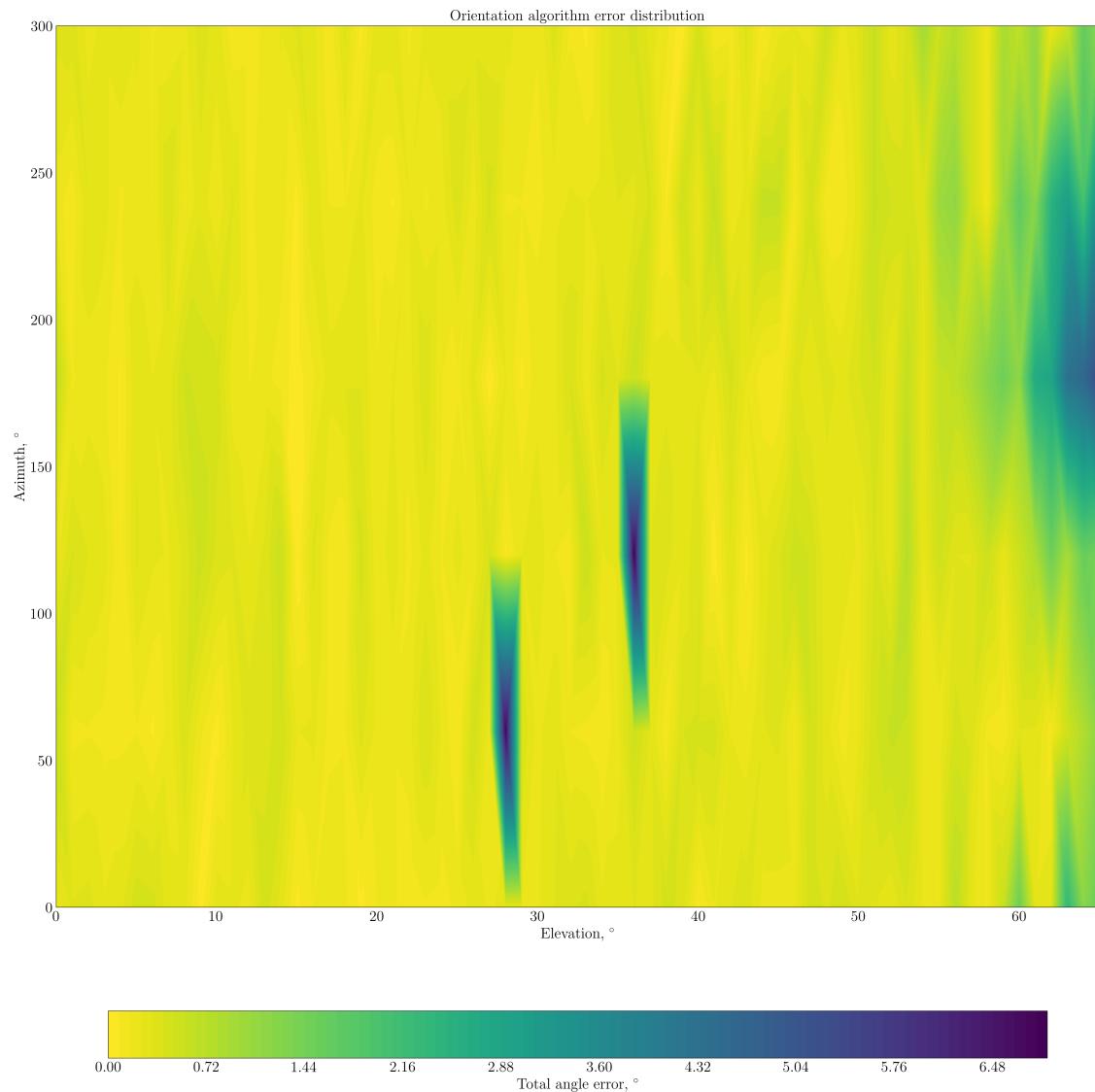


### 4.1 Final results





## 5 Algorithm error assessment



- Error is less than mean + std
- Error more than mean + std
- Mean error is:  $0.442^\circ$
- Error standart deviation is:  $0.724^\circ$

