

# Notebook

June 2, 2024

## 1 Panel report

[3]: Calibration date: June 02 2024, 19:20

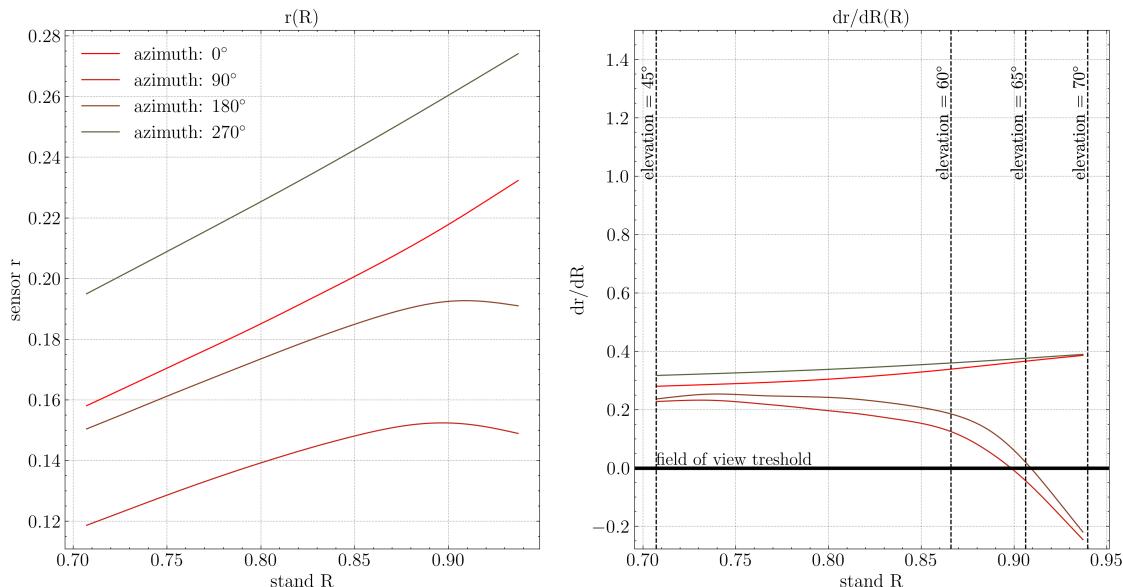
Panel number: example

Approximate estimated fov: 65.1085 degrees

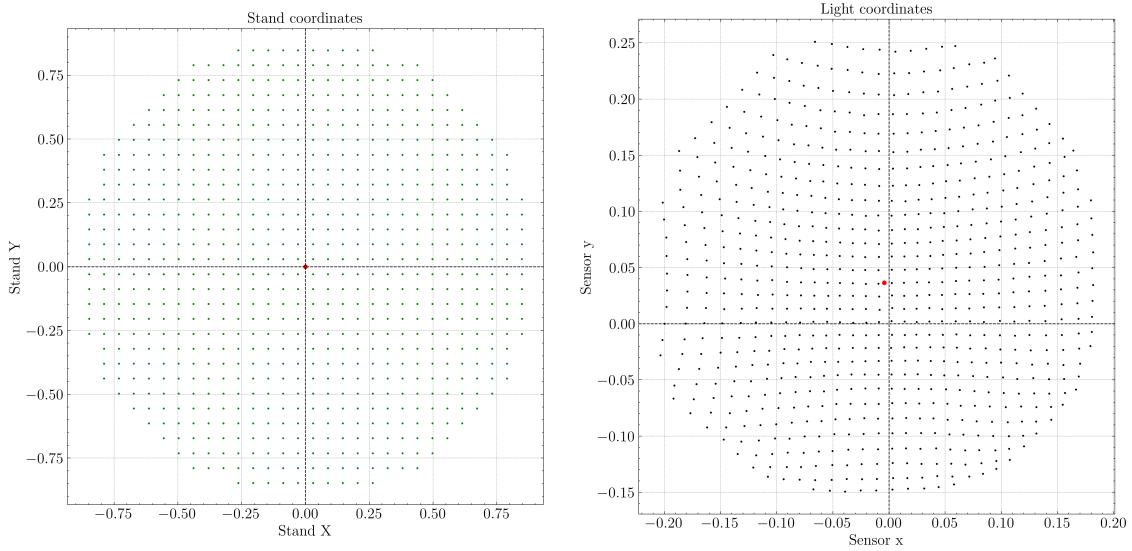
Grid size: 17x17

## 2 Initial tests

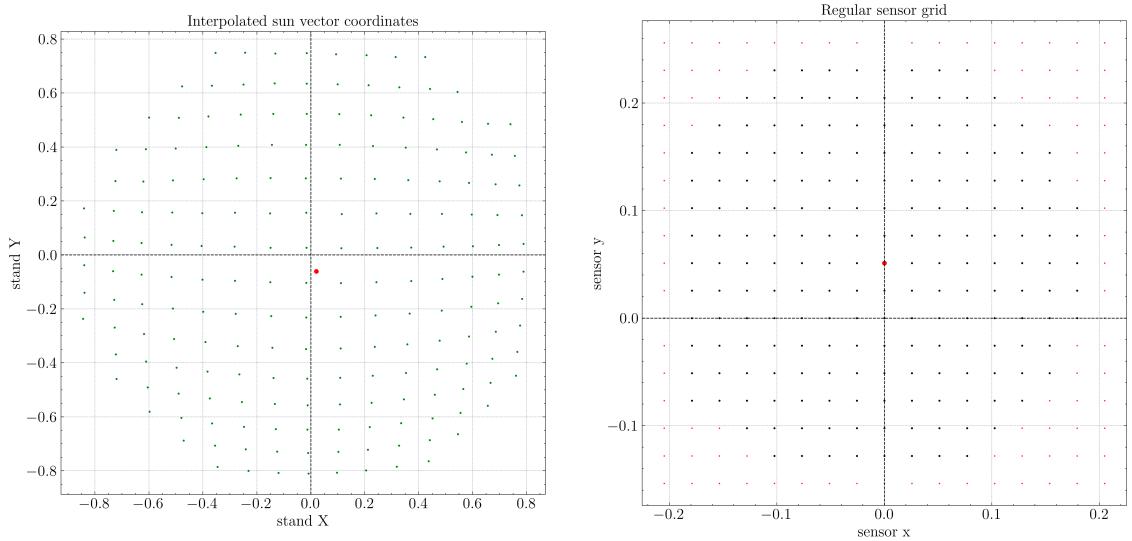
### 2.1 Sensor field of view preliminary estimation



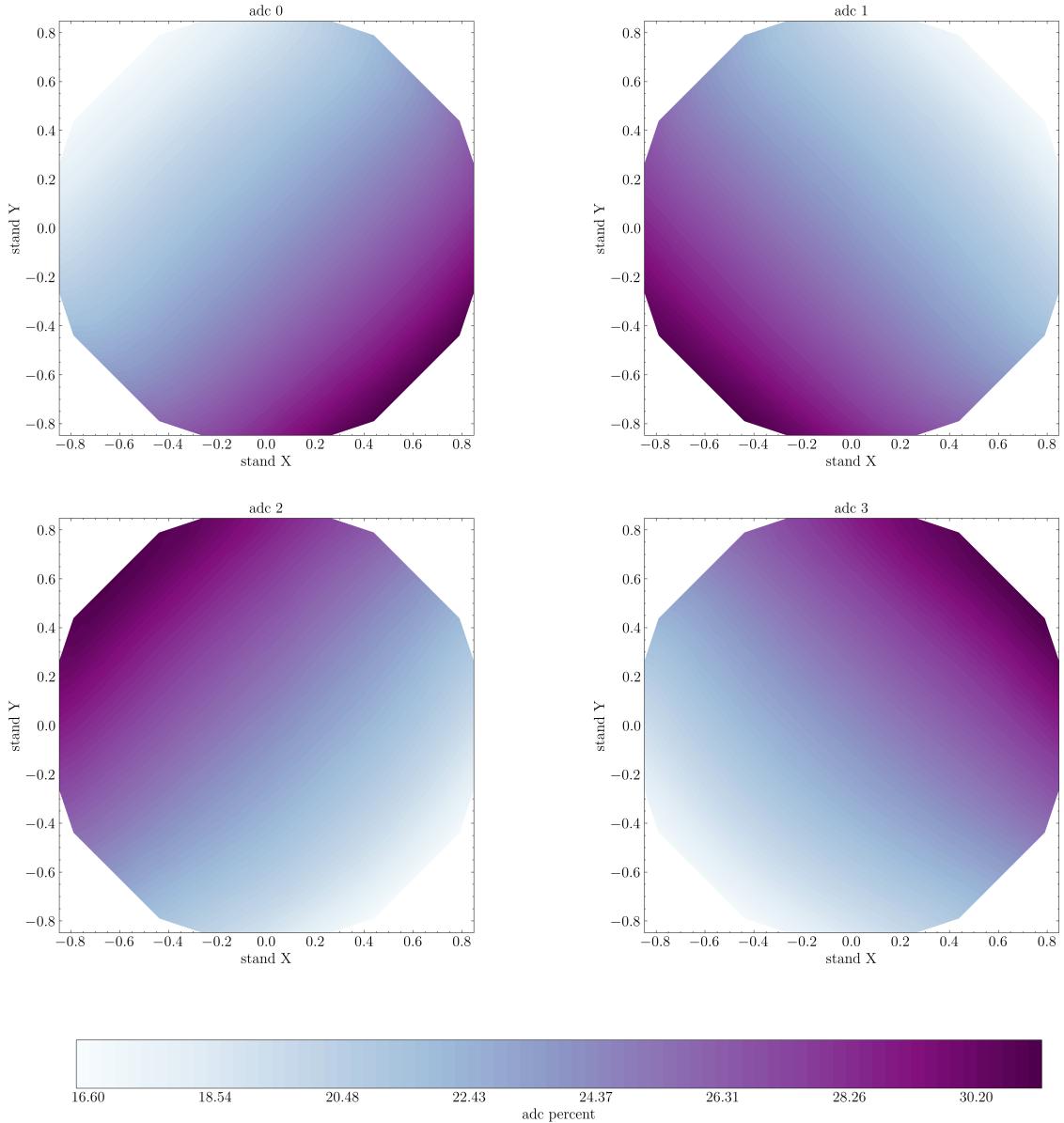
## 2.2 First passage



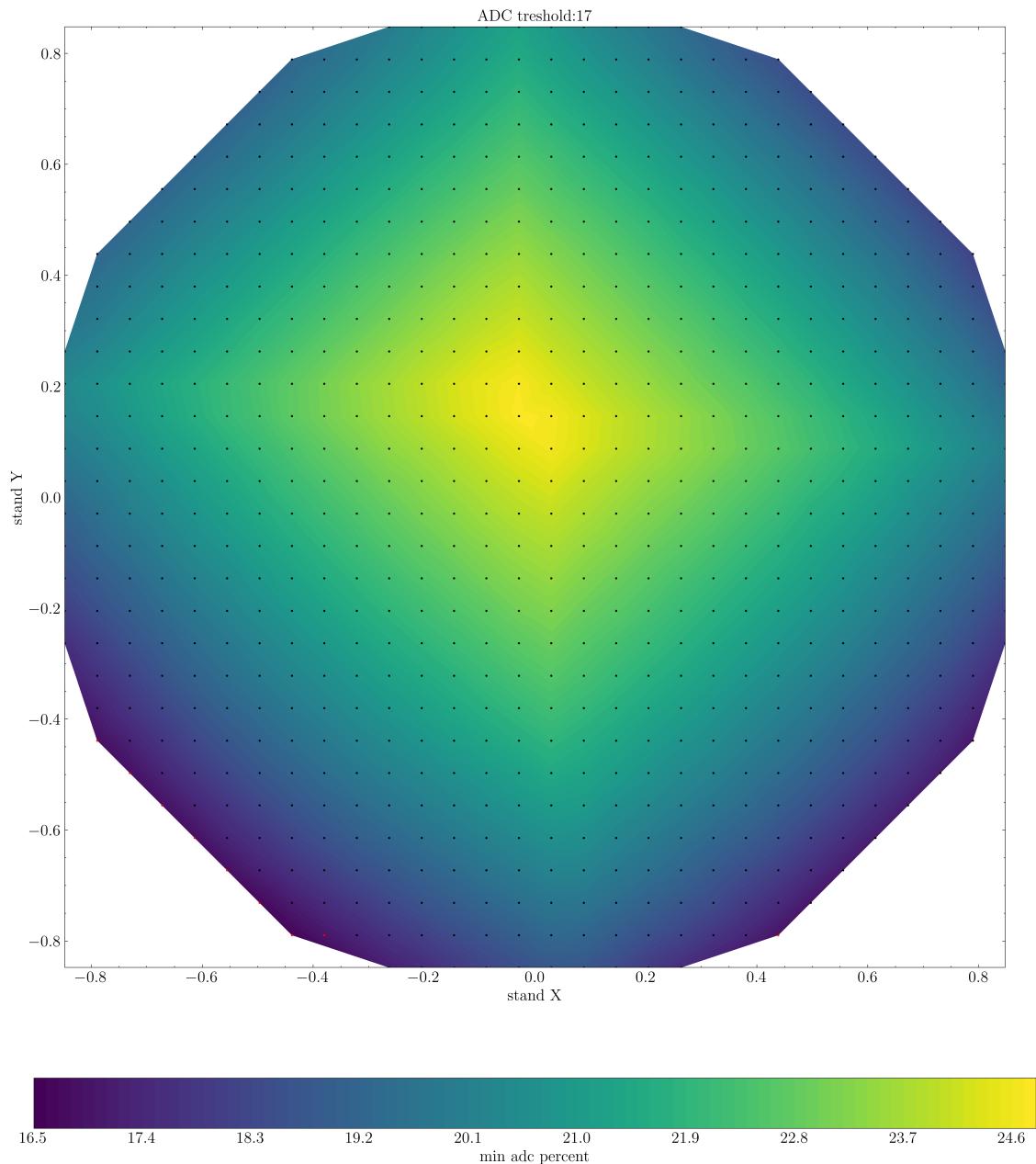
## 2.3 First interpolation result

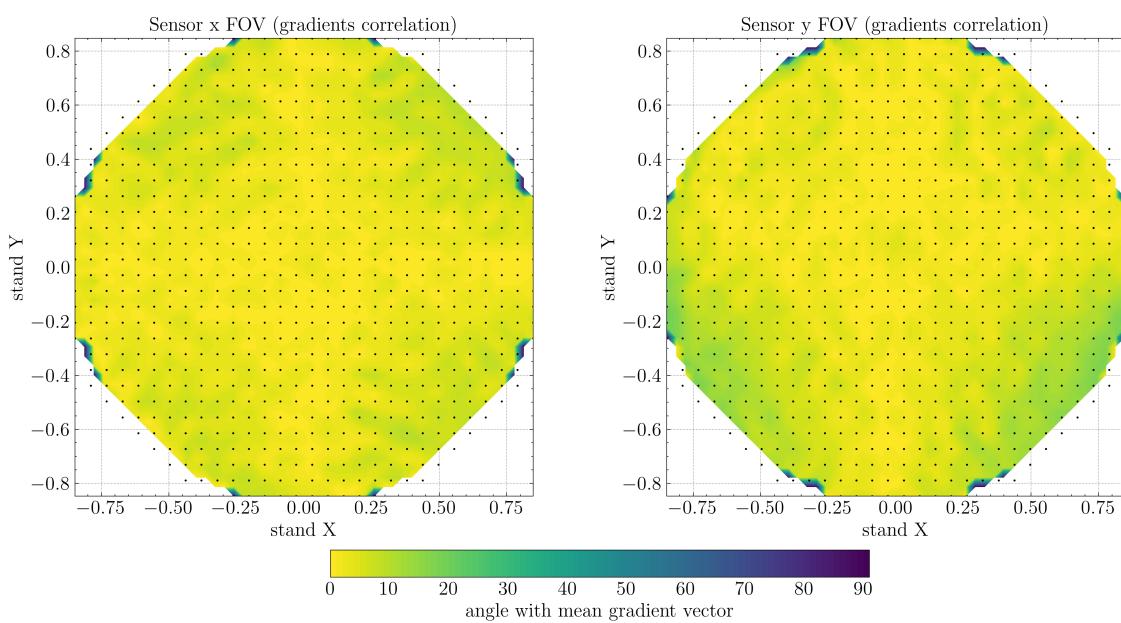
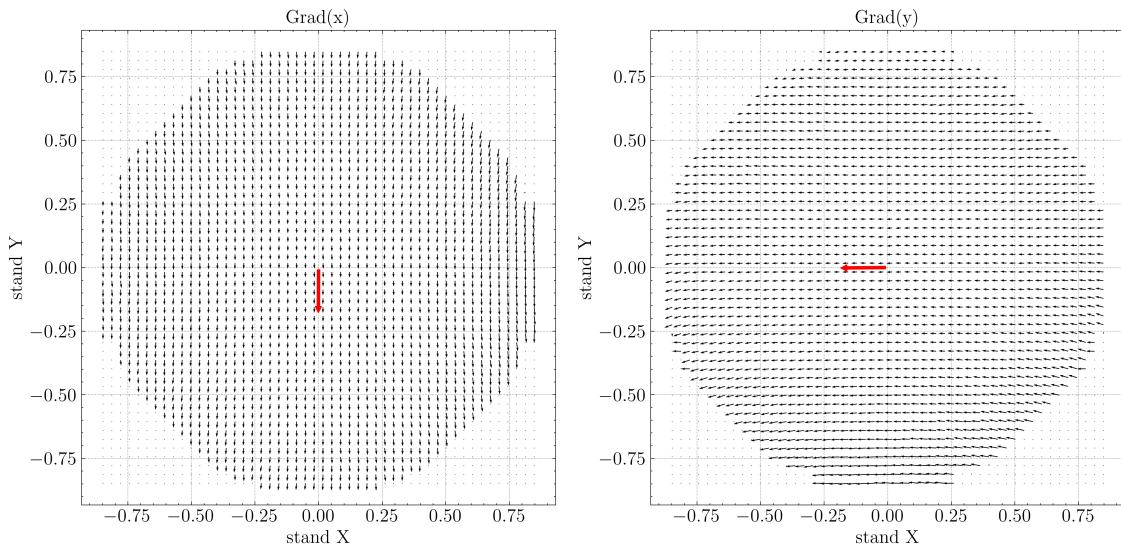


## 2.4 Adc channels light distribution in percents



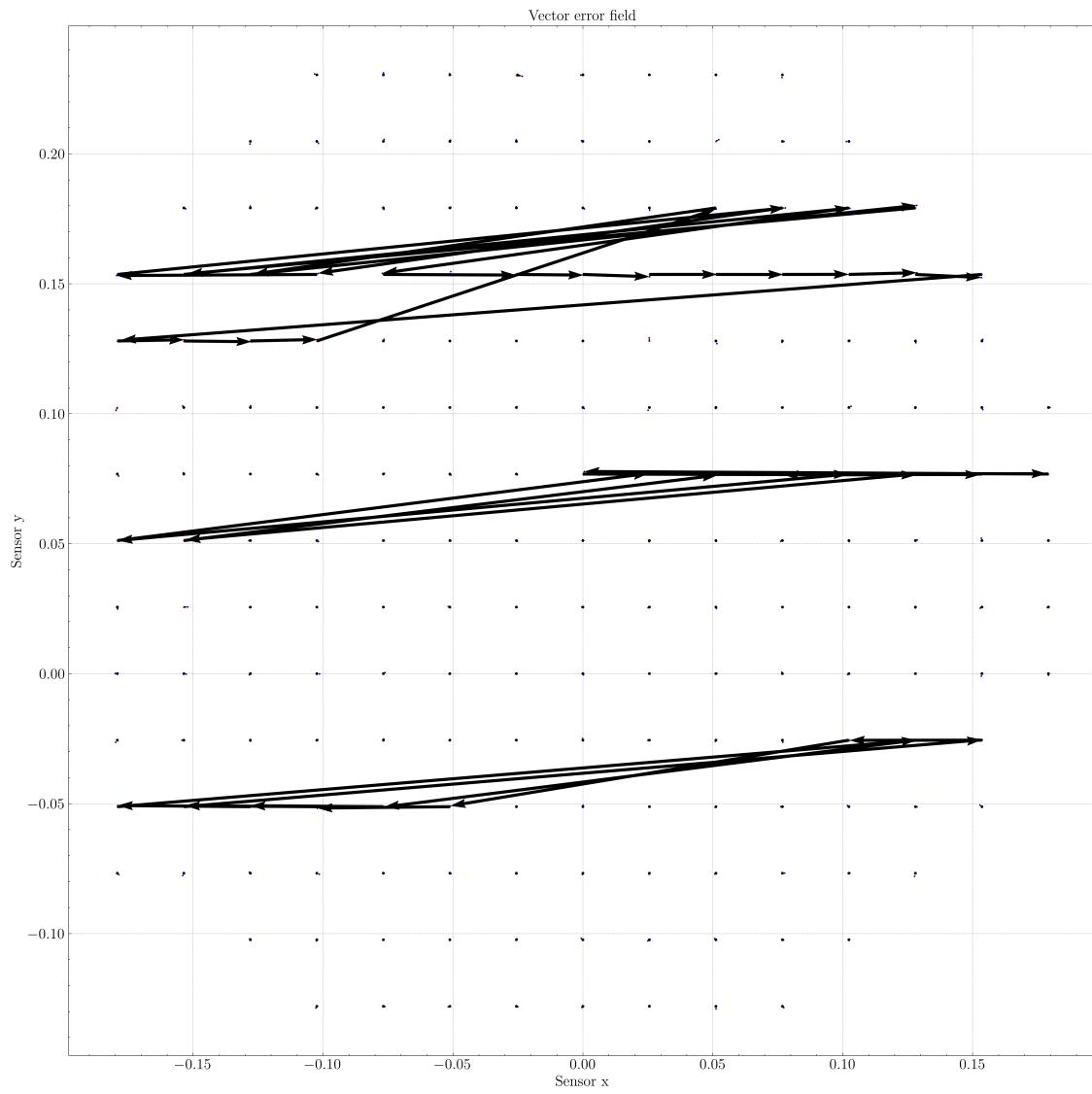
## 2.5 Sensor FOV

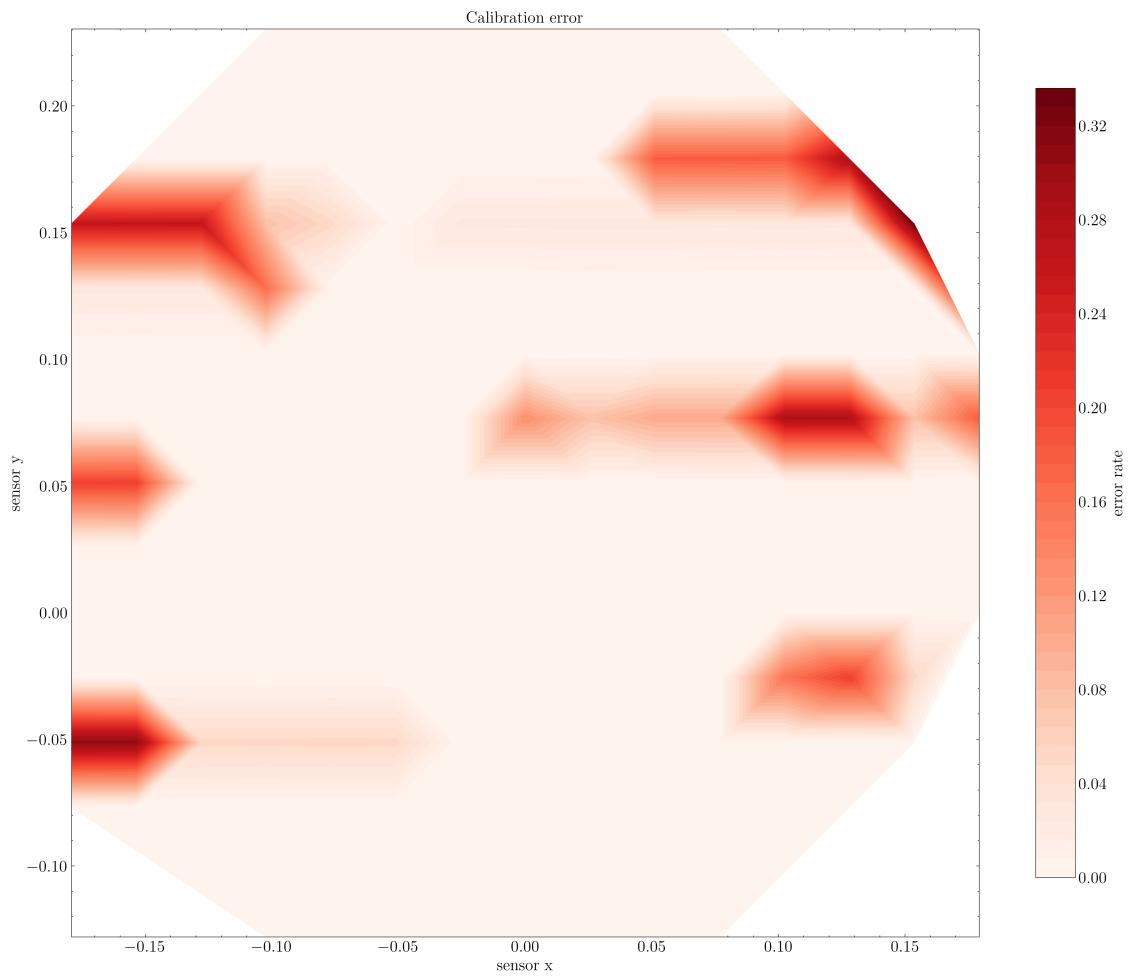




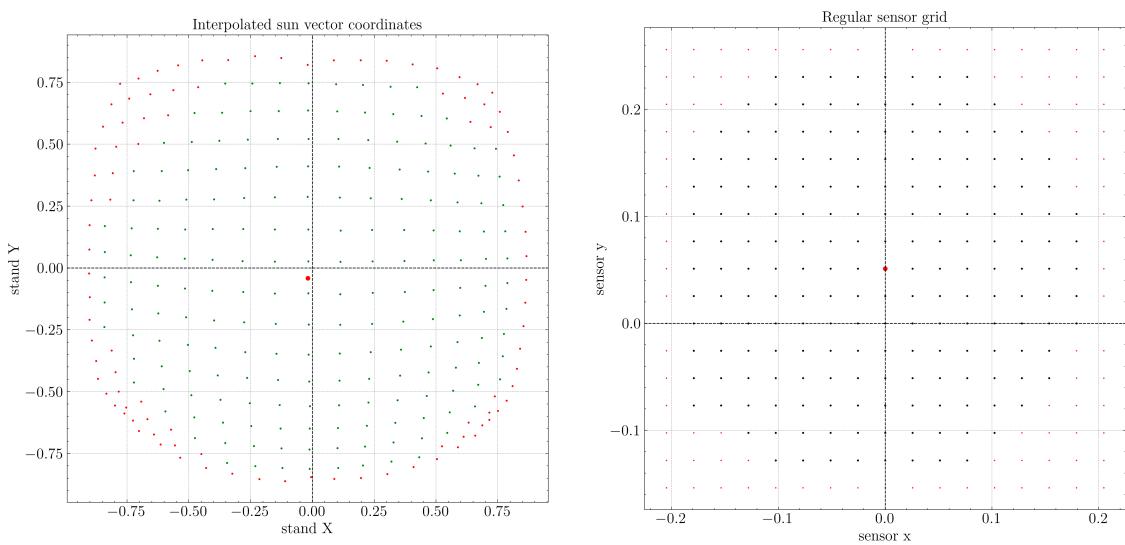
### 3 Second passage

#### 3.1 Second passage error assessment

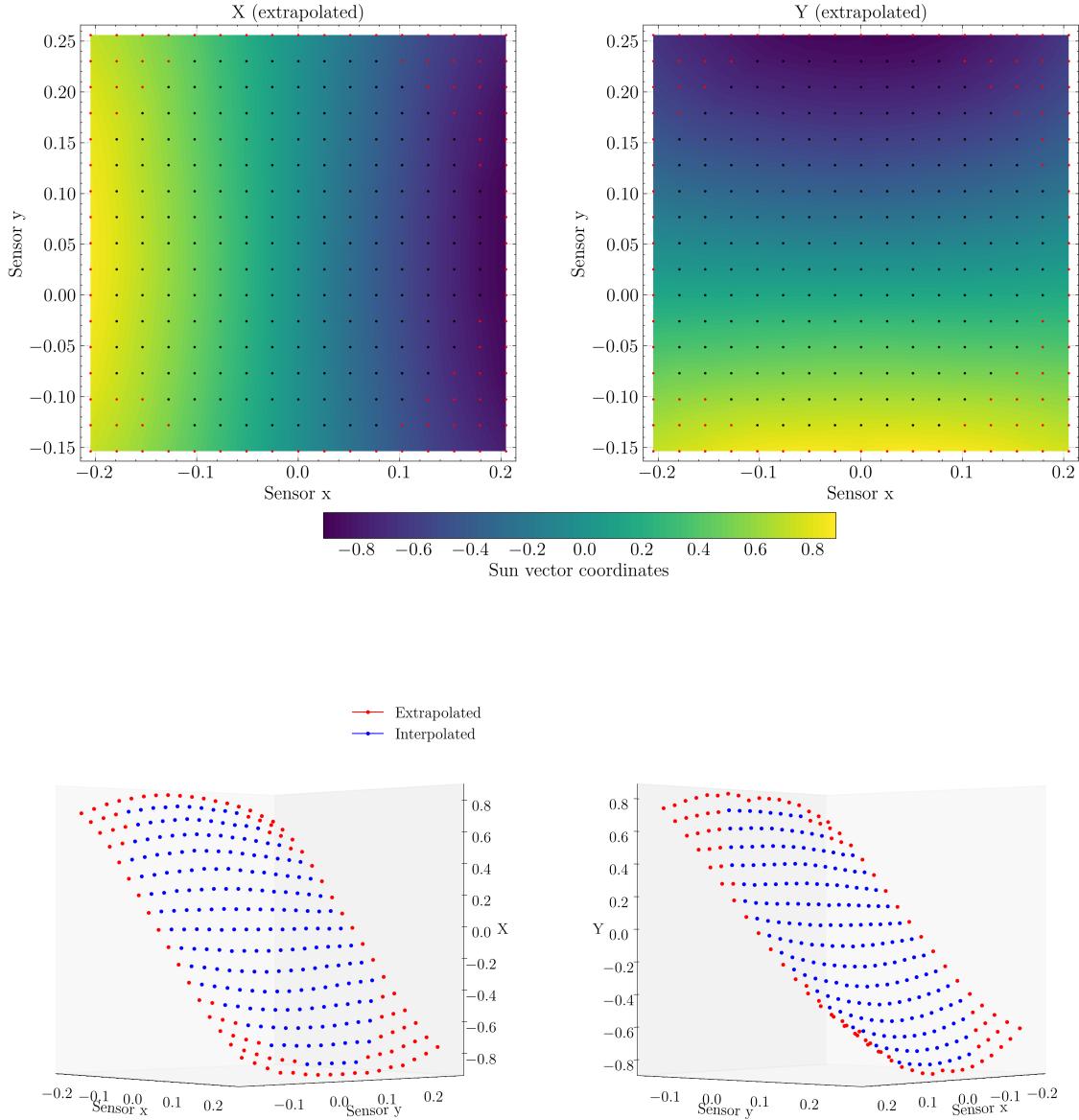




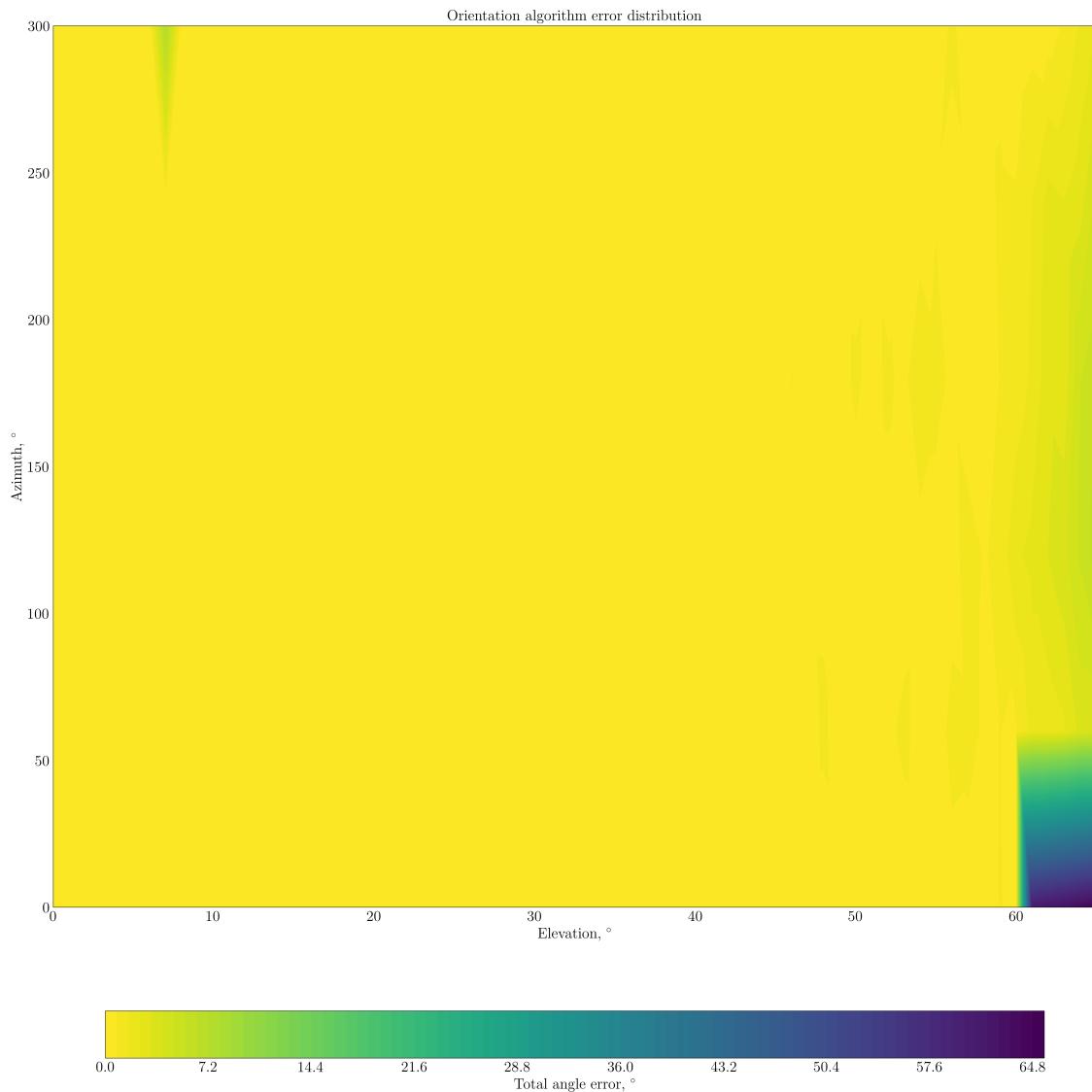
## 4 Second calibration results with cubic extrapolation



## 4.1 Final results



## 5 Algorithm error assessment



- Error is less than mean + std
  - ★ Error more than mean + std
- Mean error is:  $2.158^\circ$   
Error standart deviation is:  $9.440^\circ$

