

Ping360 – Data-version 270823

Collected by:

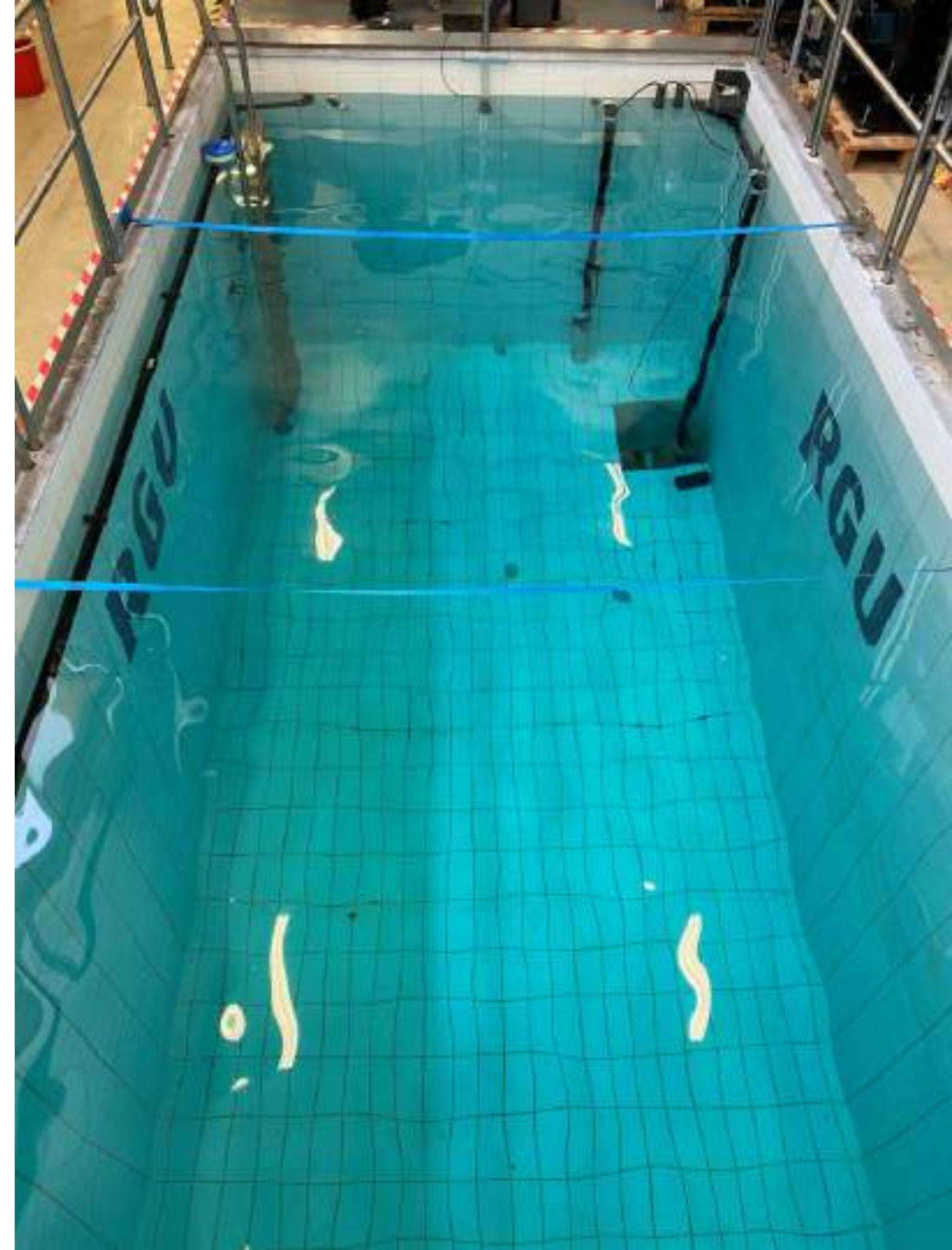
Md Junayed Hasan and Dr Somasundar Kannan

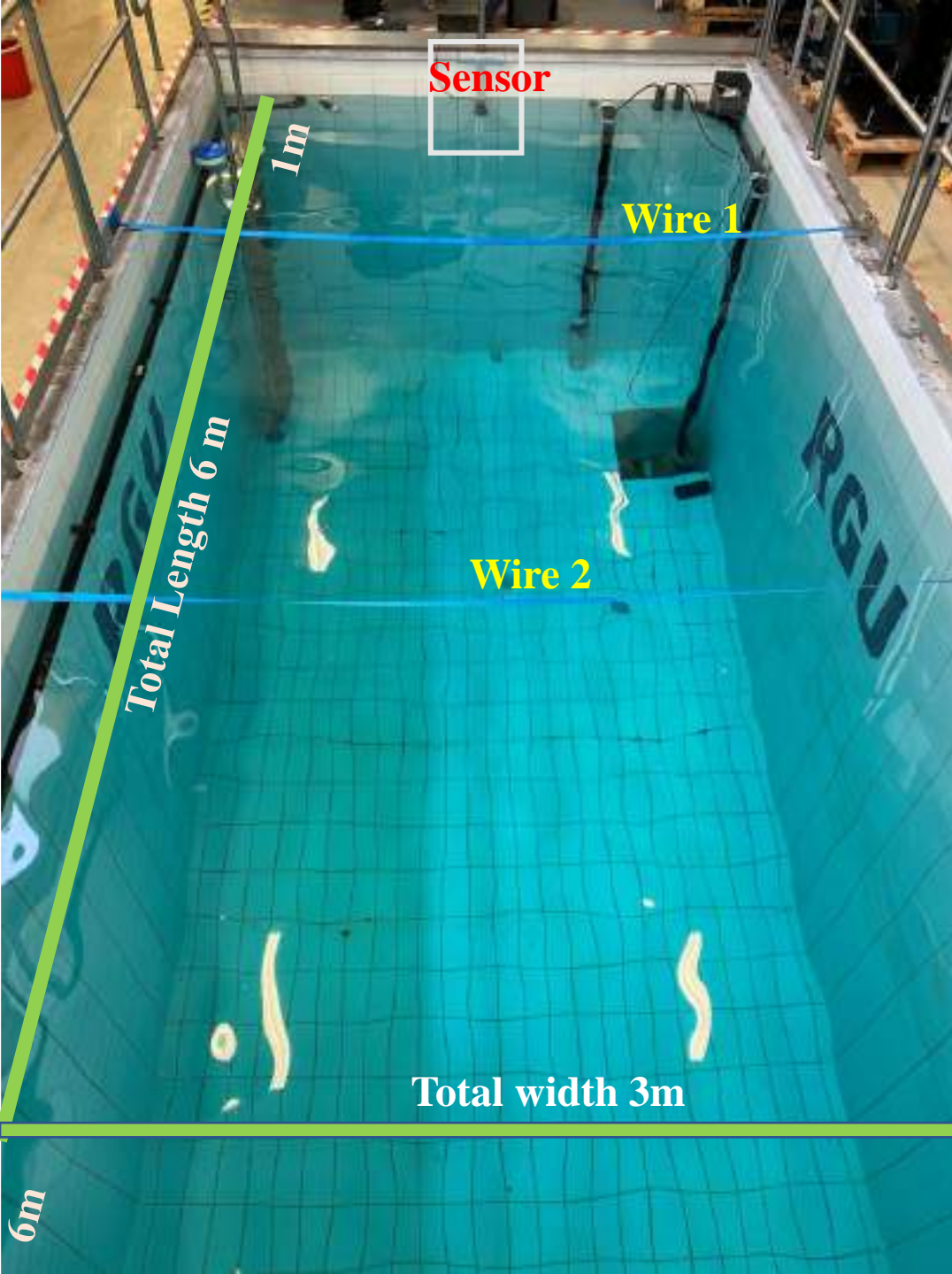
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For data related stuffs, please contact:

Md Junayed Hasan (askjunayed@gmail.com)





Experimental Set-up

Pool Width	Pool Length	Sonar Position
3 m	6 m	1.5 m (middle-width)

Wire 1	Wire 2	Wire 3
2 m (Sensor - x)	4 m (Sensor - x)	2.5 m (Sensor - x)

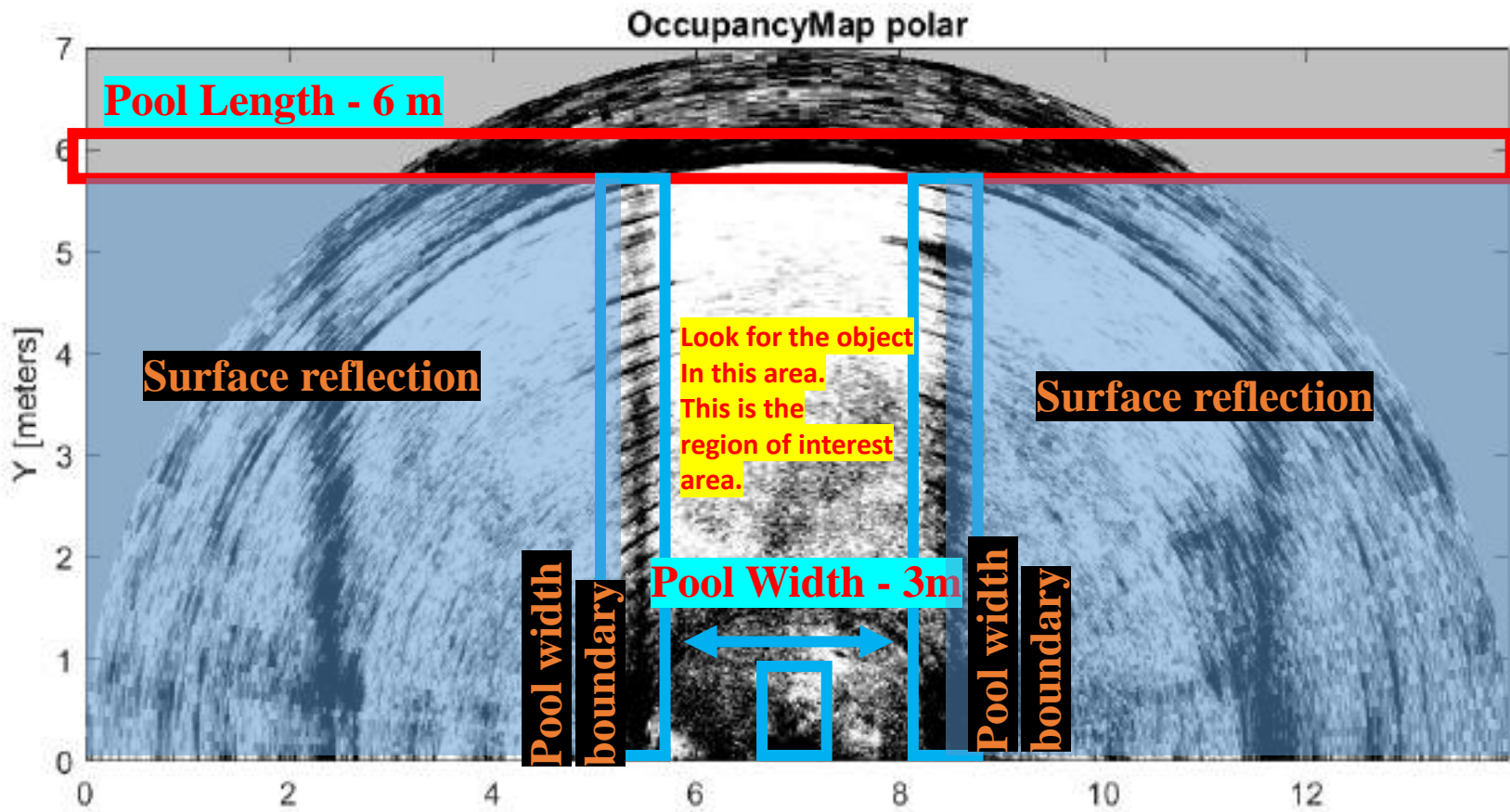
We have delineated the horizontal distance, denoted as 'x-distance,' originating from the positioned object to the side of the pool housing the sensor installation. Our positional depiction adheres to a sequence progressing from proximity to the sensor location towards a more distant point, specifically within the range of 1 to 6 meters.

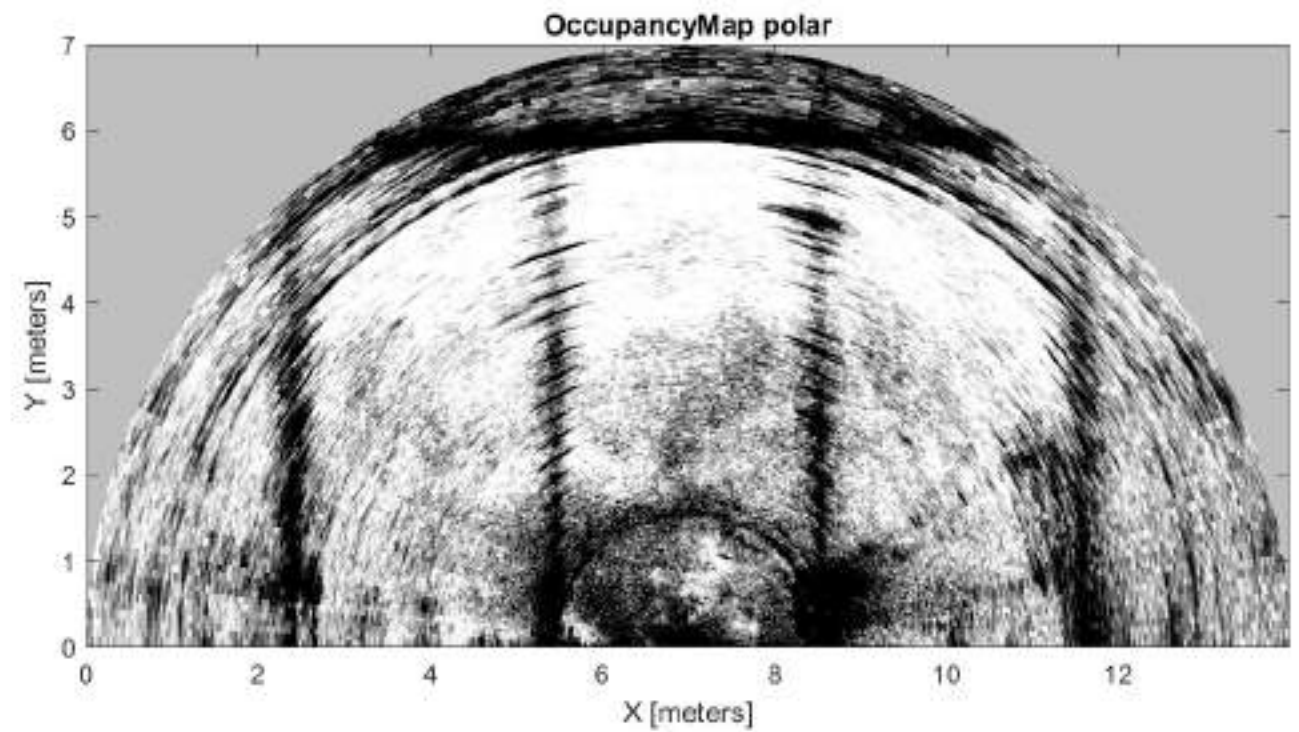
Experiment Details			
Total Exp. Case	20	Scan type	Forward - 180 degree
Sonar Depth	0.15 m	Water Temp.	10 degree
Gain	Medium (G1)	Water sanity	0 psu
Max Scan Range	7 m		
Sensor Head Position	Bottom		

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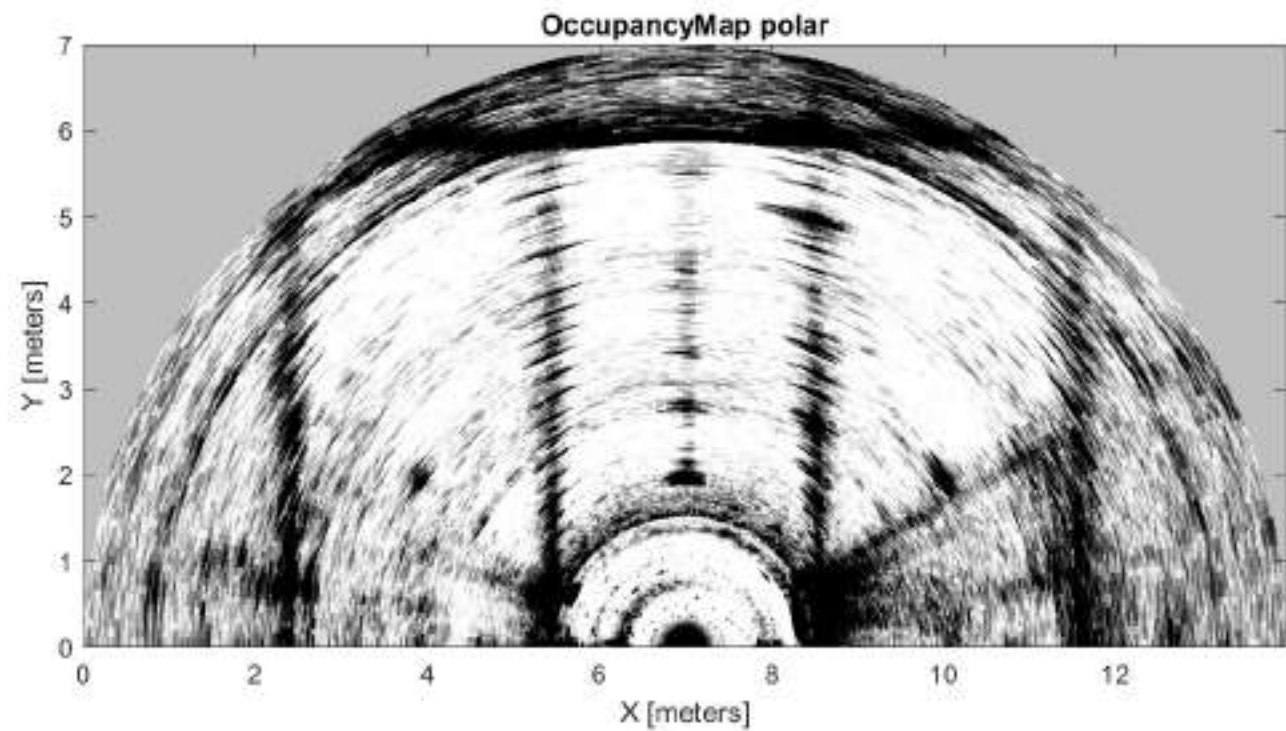
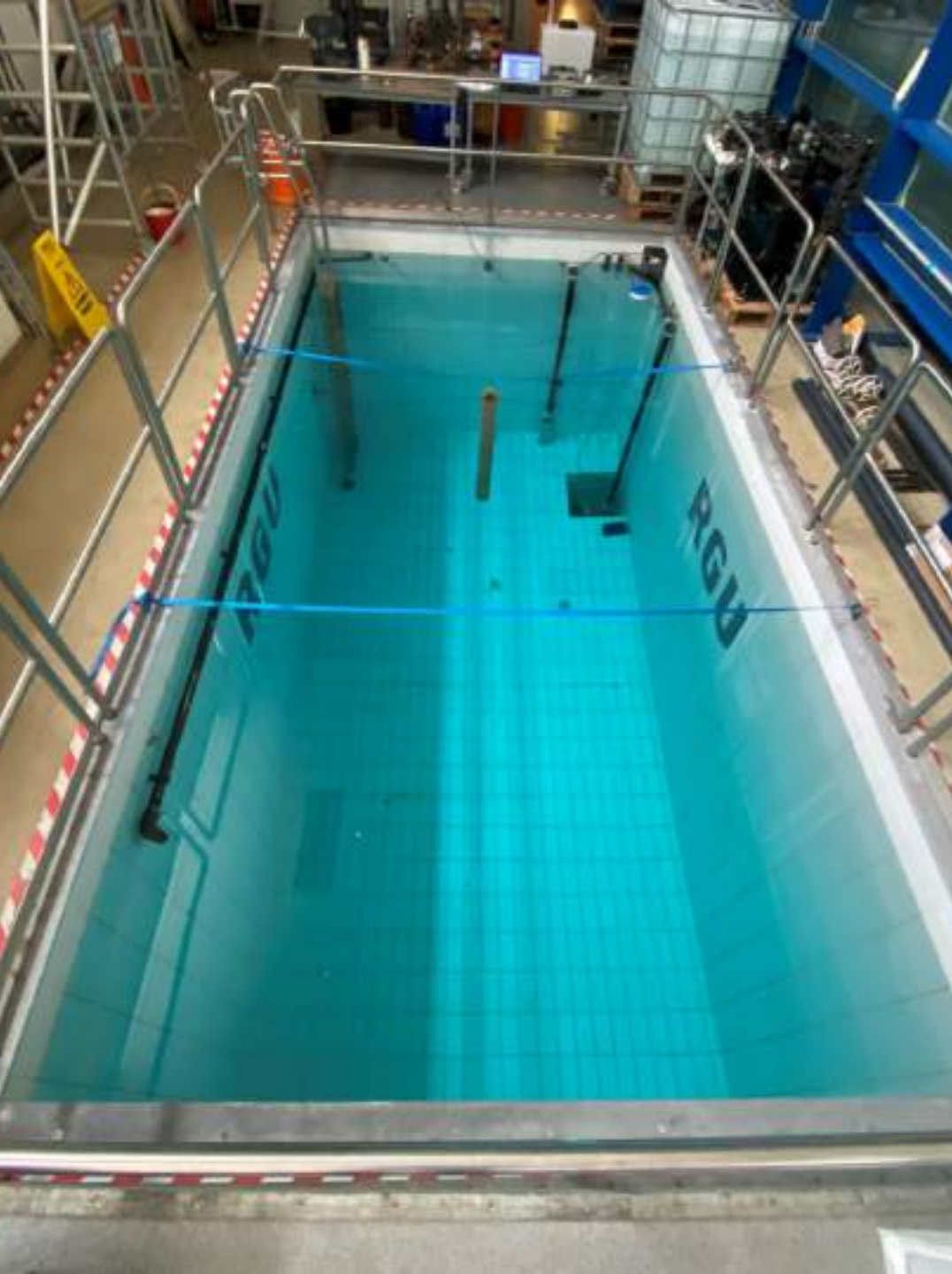
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Occupancy map explanation

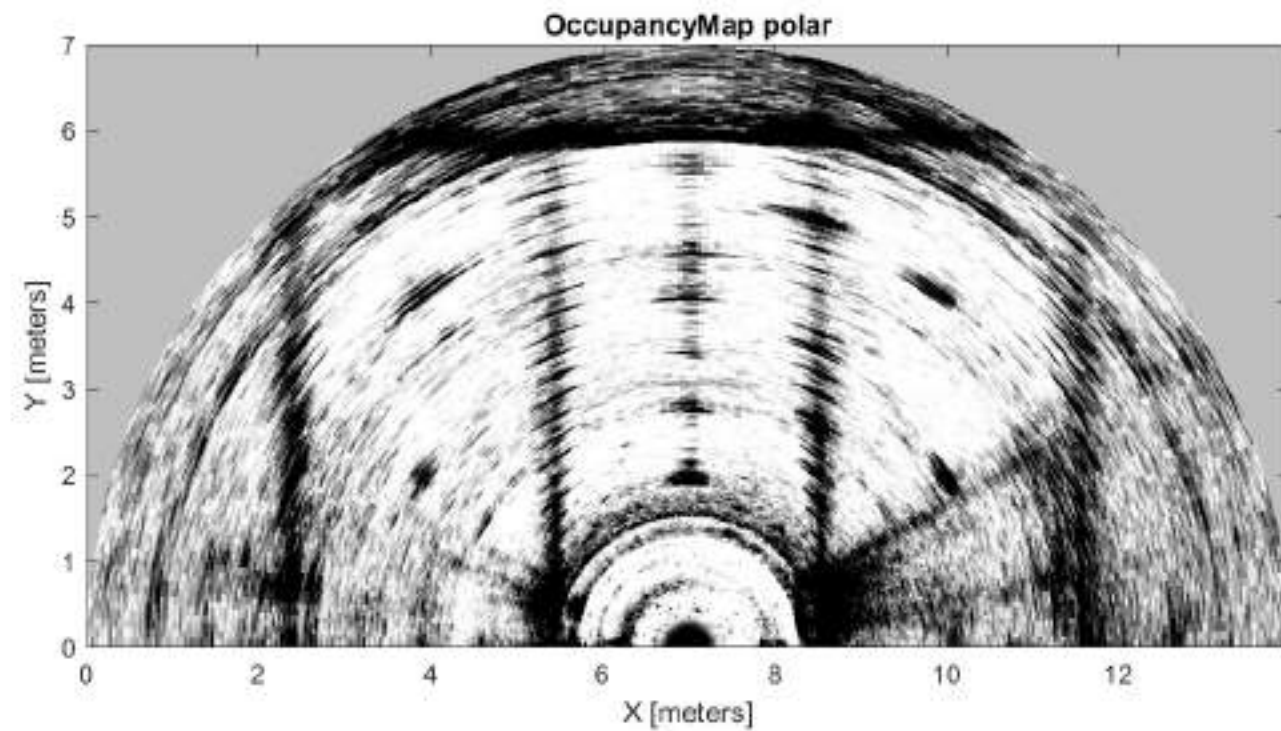
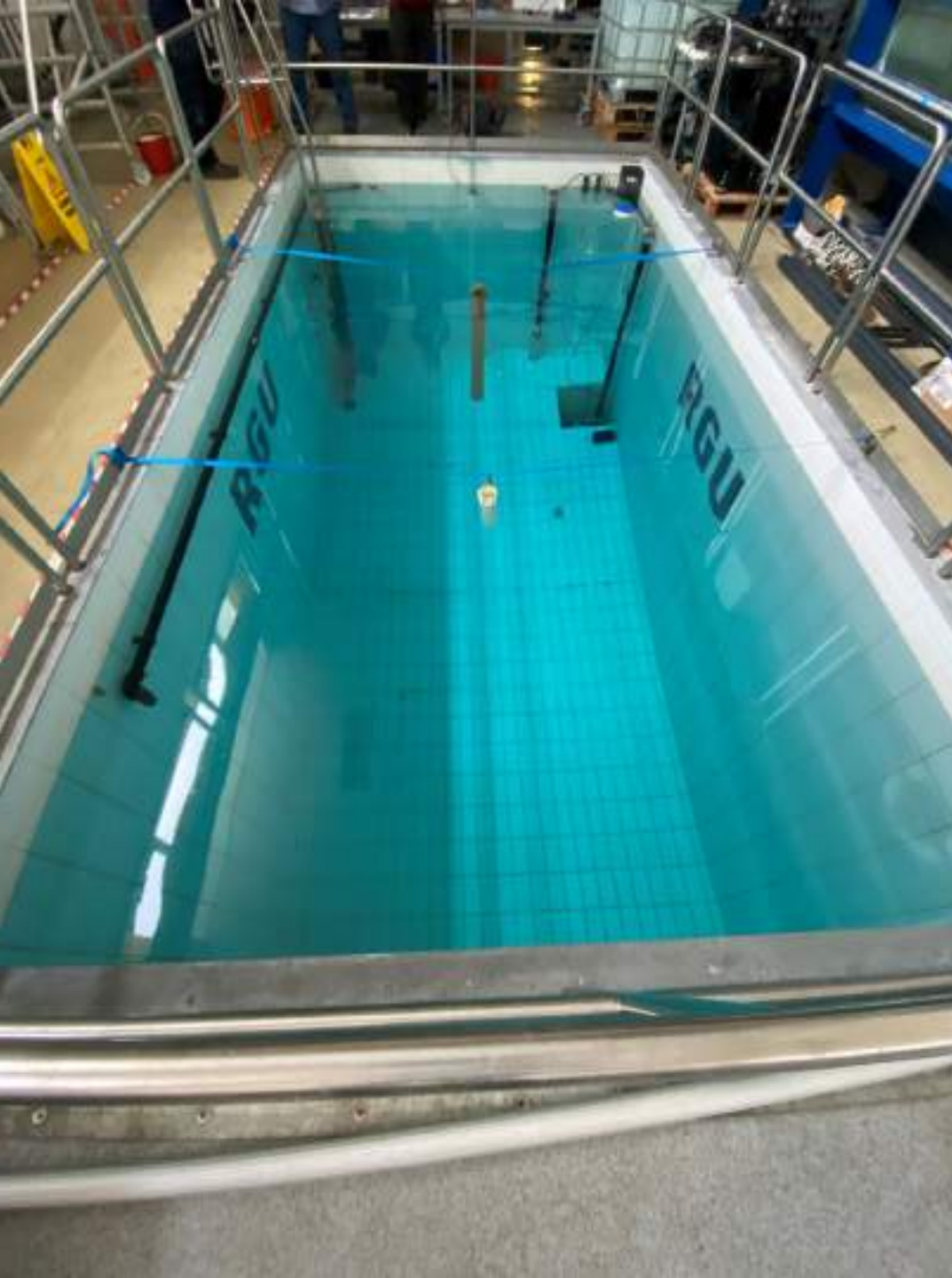




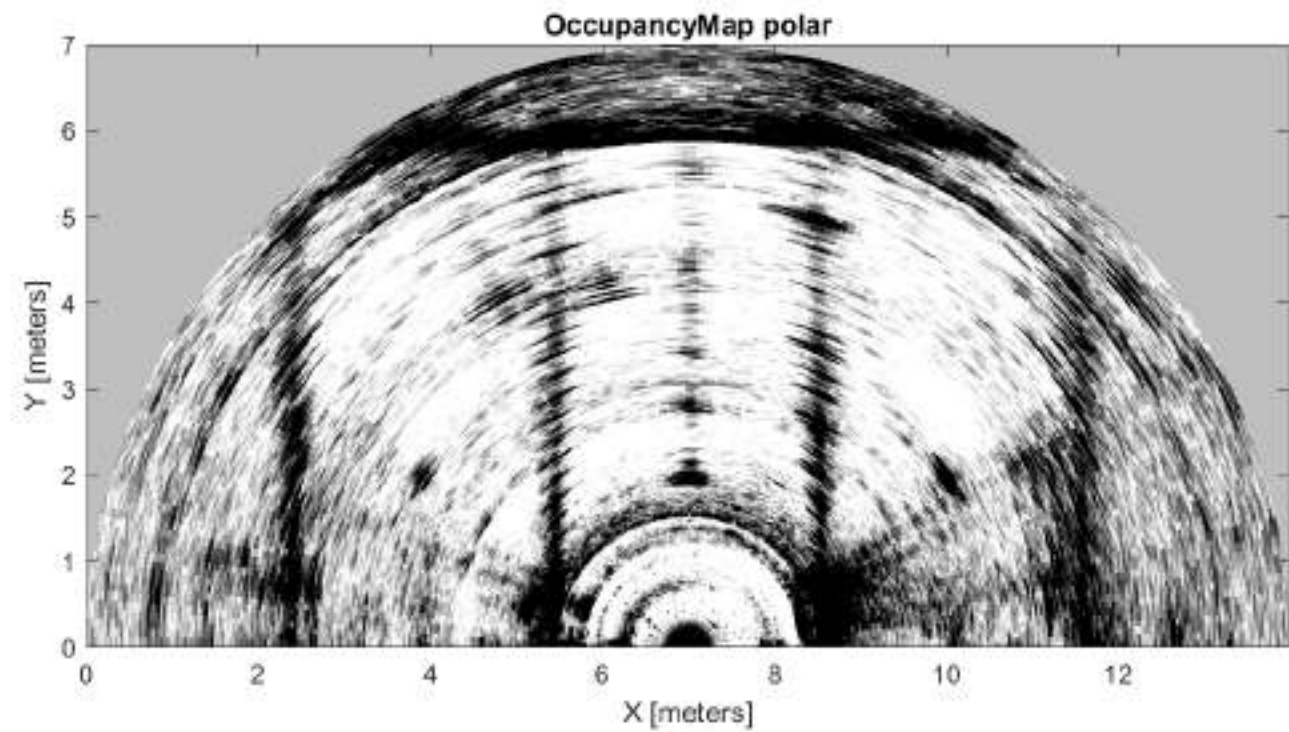
Specifics of the experiment	
Experiment No	01
Gain	Medium (G1)
Sample number	1200
Position of the object in from the sensor placement side of the pool	



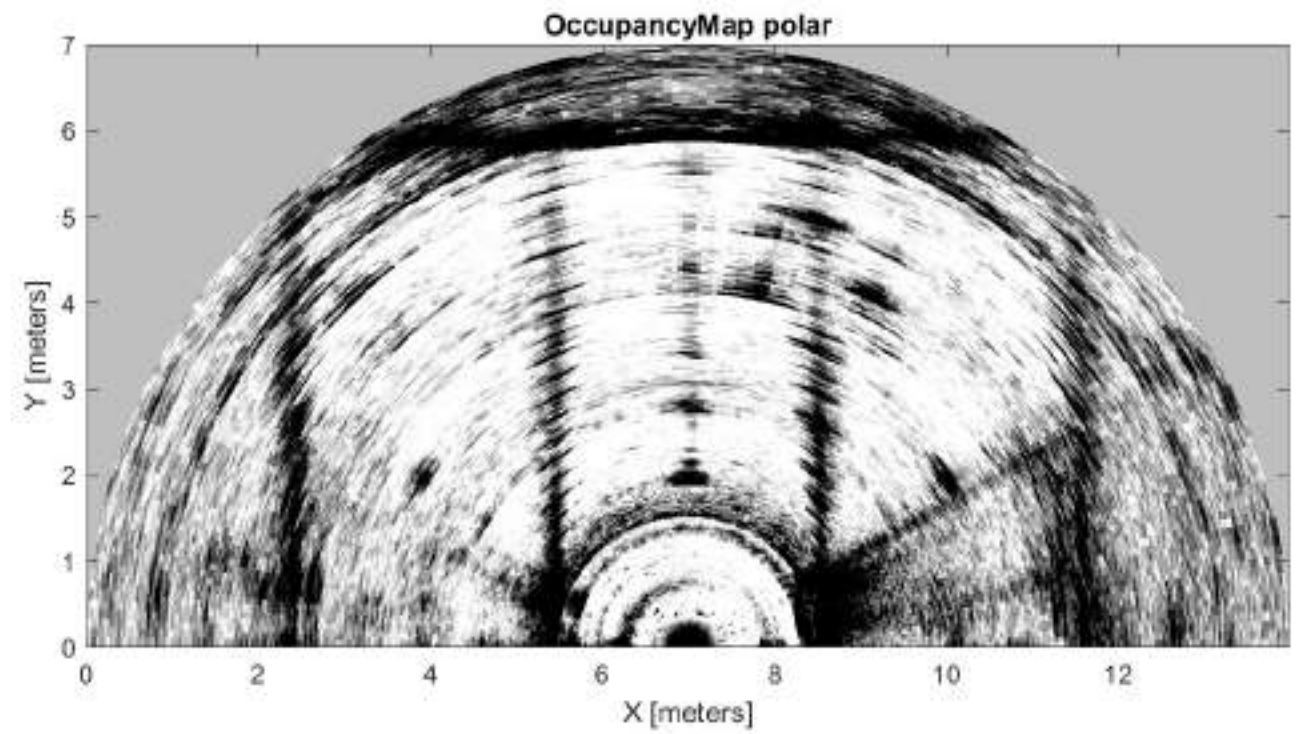
Specifics of the experiment	
Experiment No	02
Gain	Medium (G1)
Sample number	1200
Position of the object in from the sensor placement side of the pool	2m



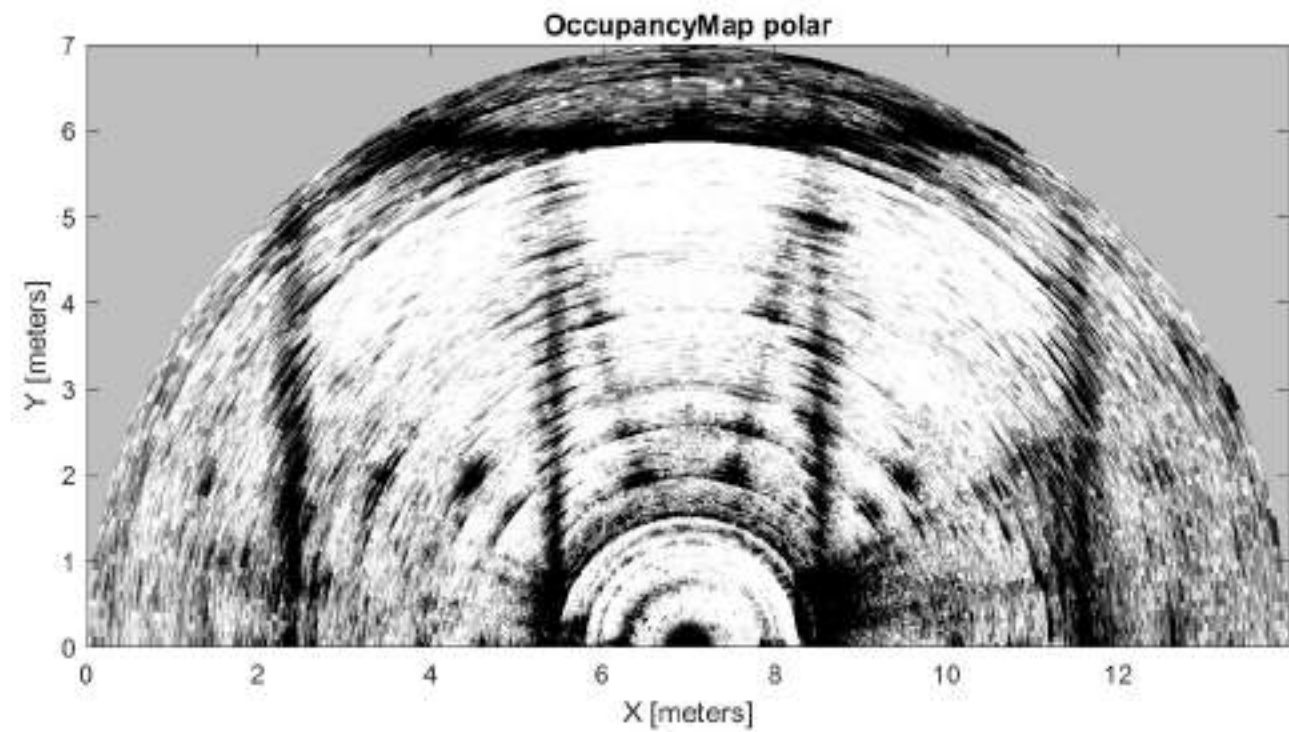
Specifics of the experiment	
Experiment No	03
Gain	Medium (G1)
Sample number	1200
Position of the object in from the sensor placement side of the pool	2m/4m



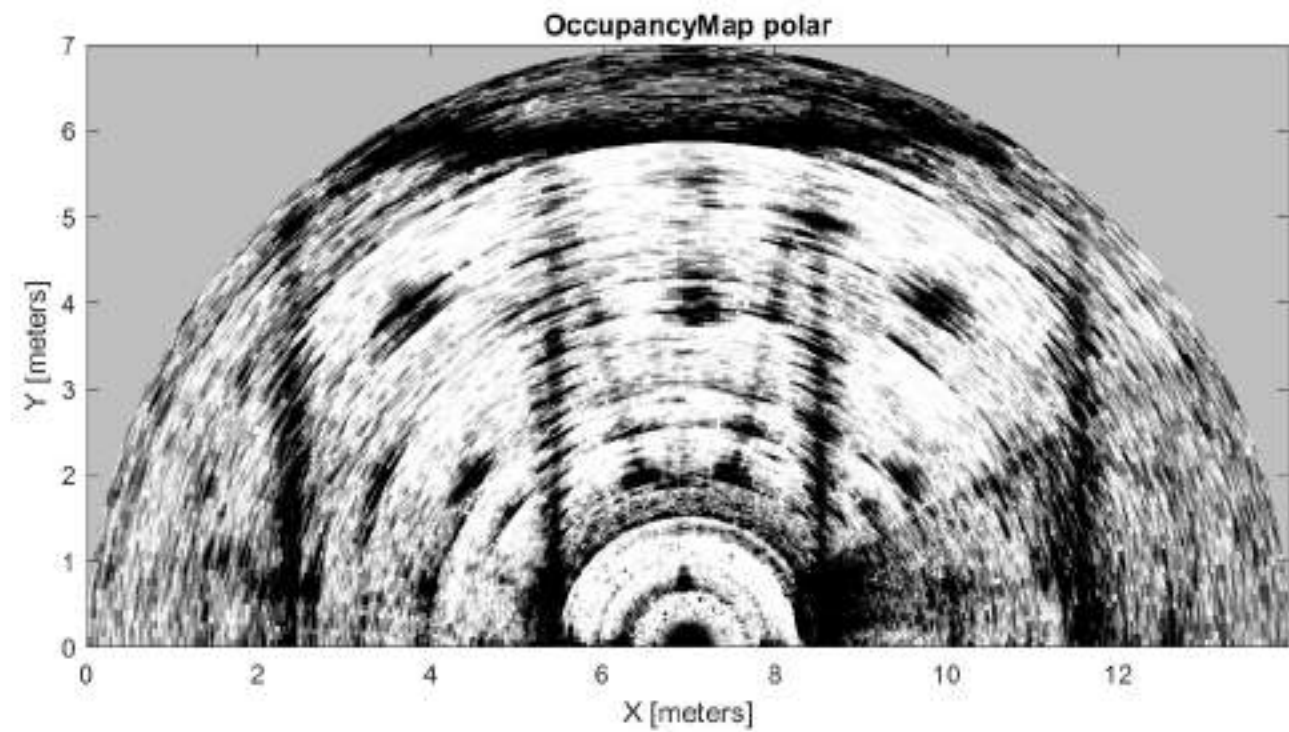
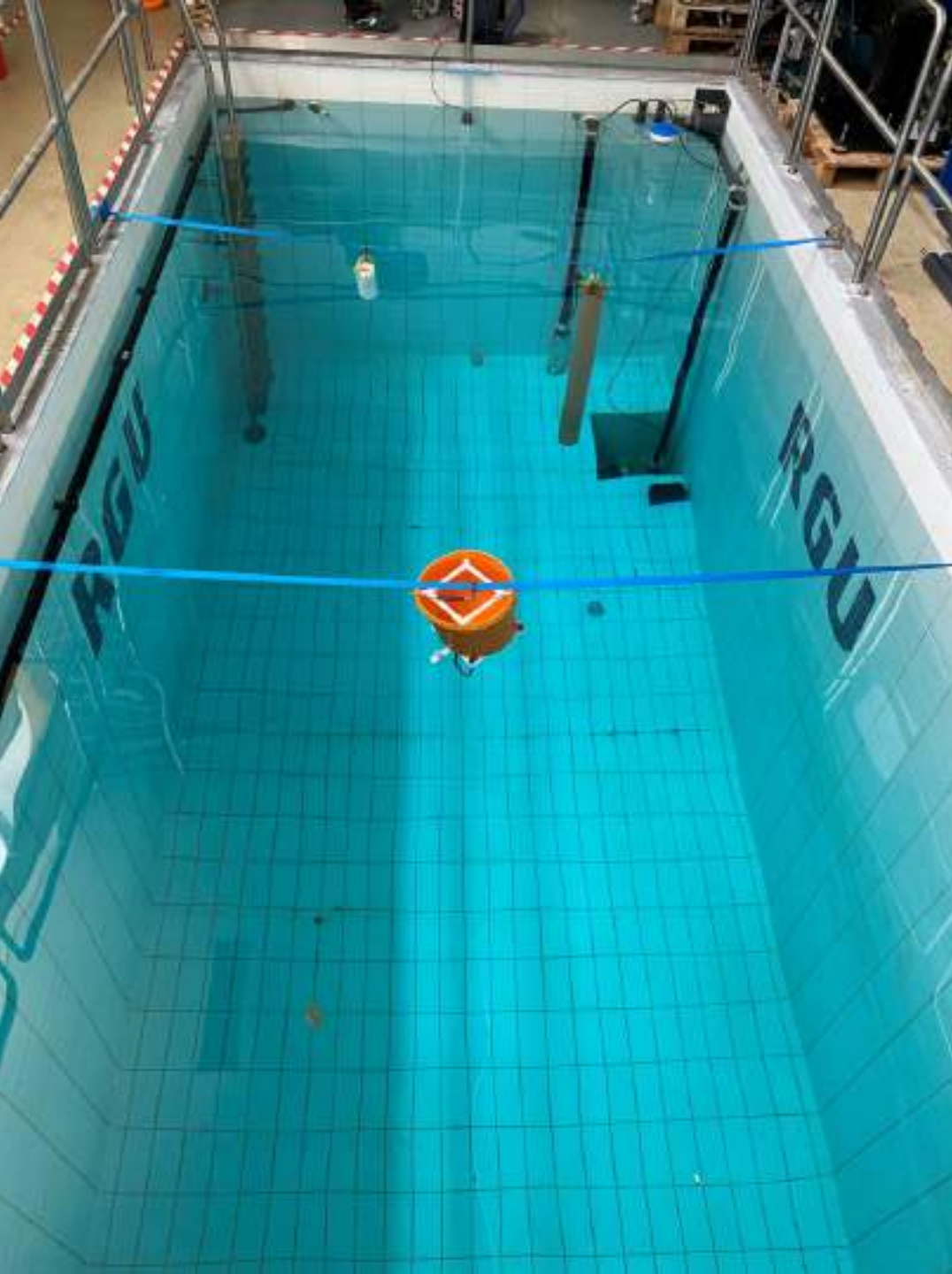
Specifics of the experiment	
Experiment No	04
Gain	Medium (G1)
Sample number	1200
Position of the object in from the sensor placement side of the pool	2m/4m



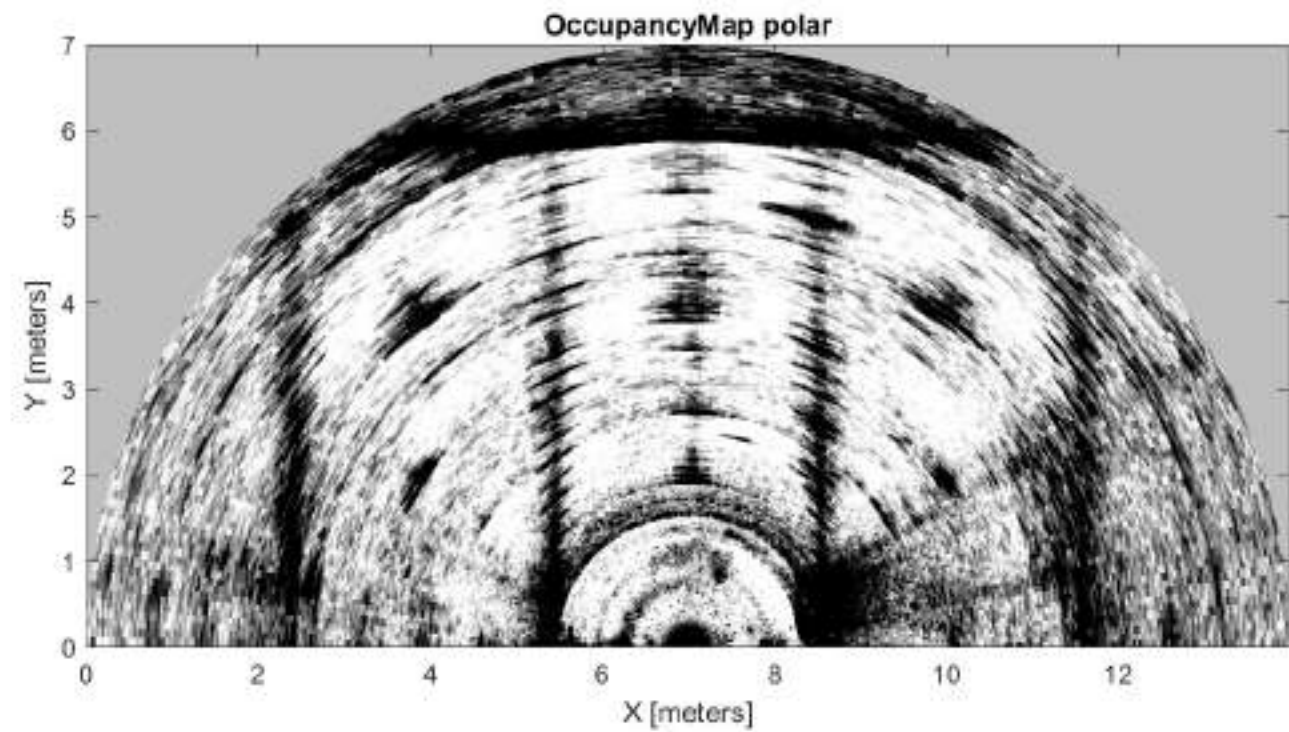
Specifics of the experiment	
Experiment No	05
Gain	Medium (G1)
Sample number	1200
Position of the object in from the sensor placement side of the pool	2m/4m



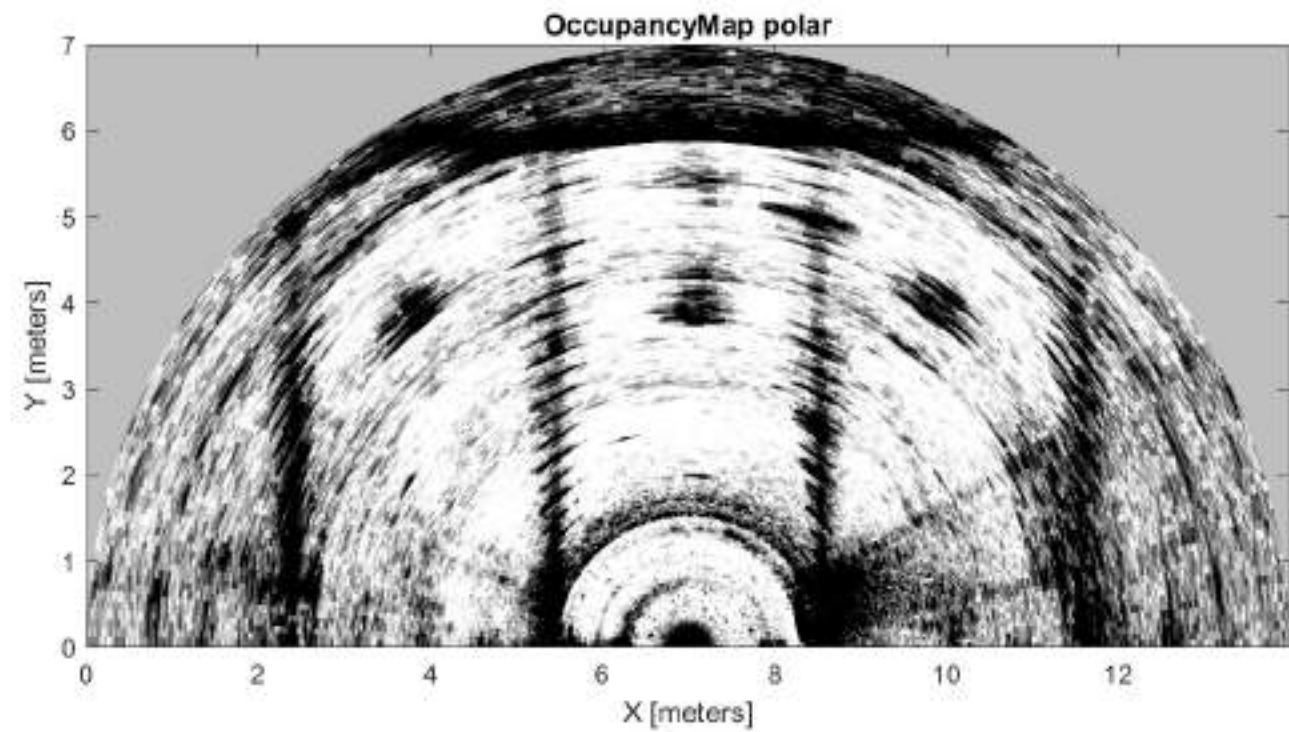
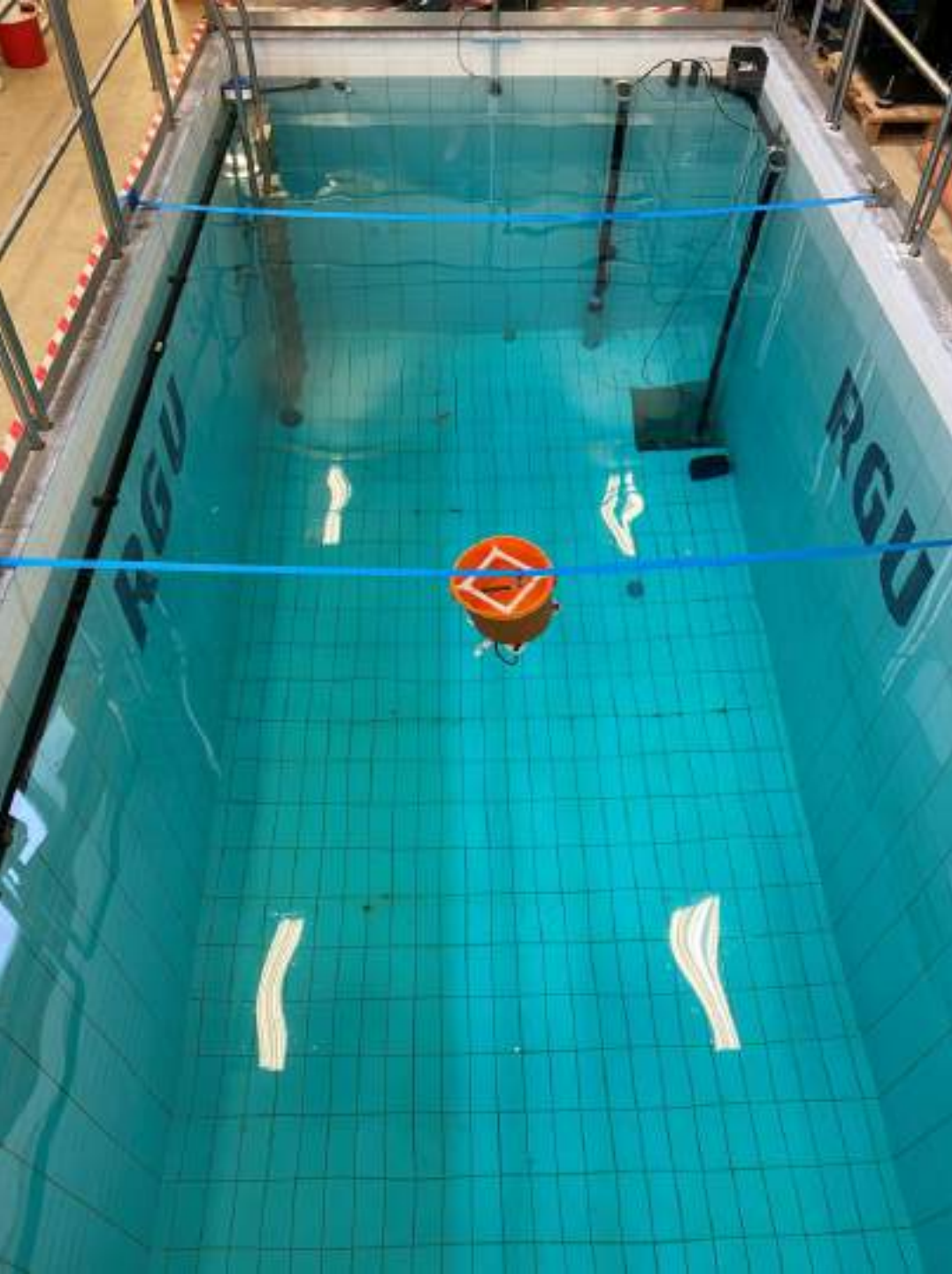
Specifics of the experiment	
Experiment No	06
Gain	Medium (G1)
Sample number	1200
Position of the object in from the sensor placement side of the pool	2m/2m



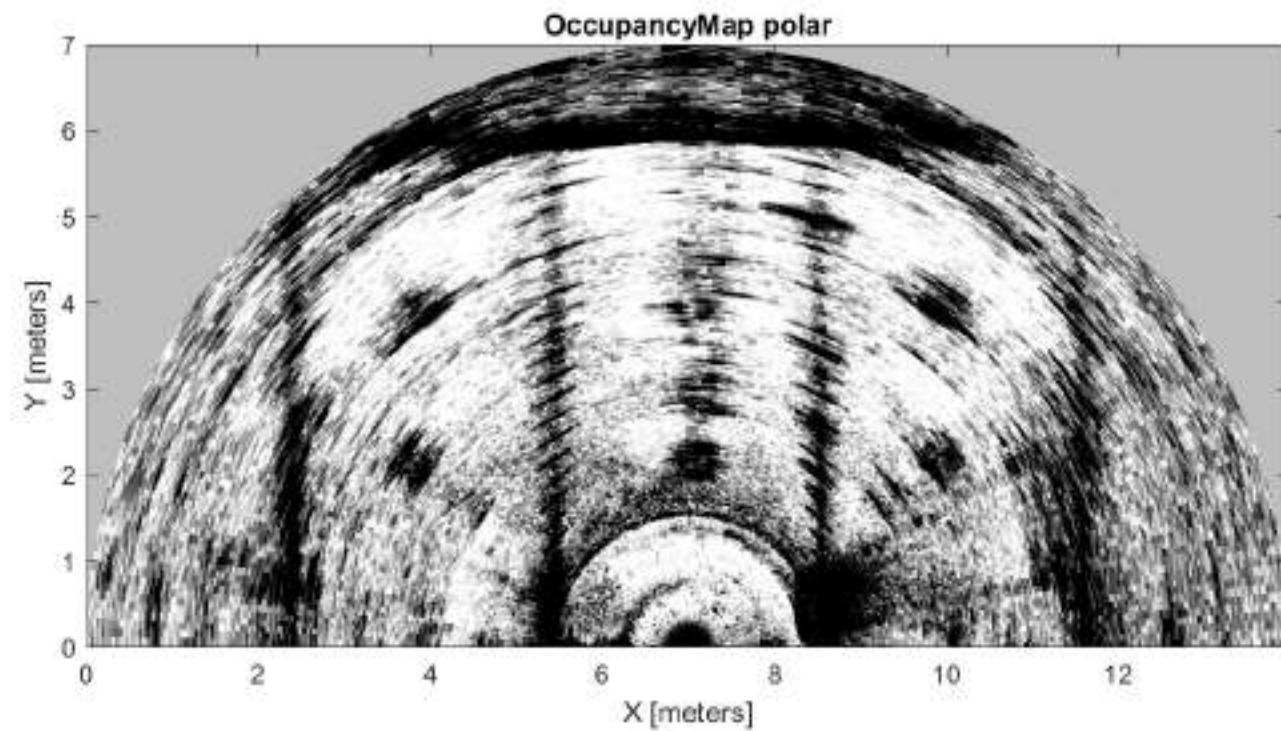
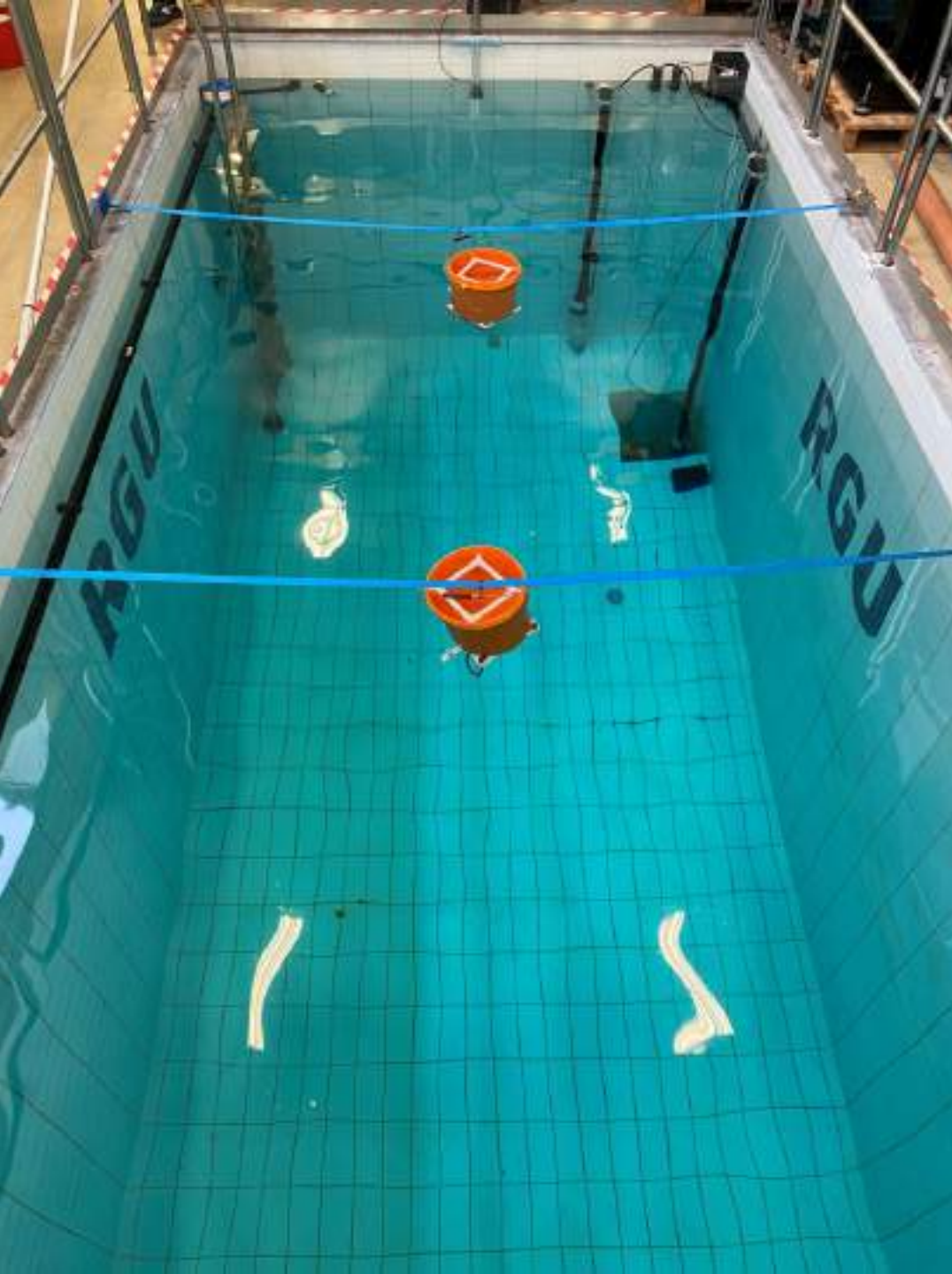
Specifics of the experiment	
Experiment No	07
Gain	Medium (G1)
Sample number	1200
Position of the object in from the sensor placement side of the pool	2m/2m/4m



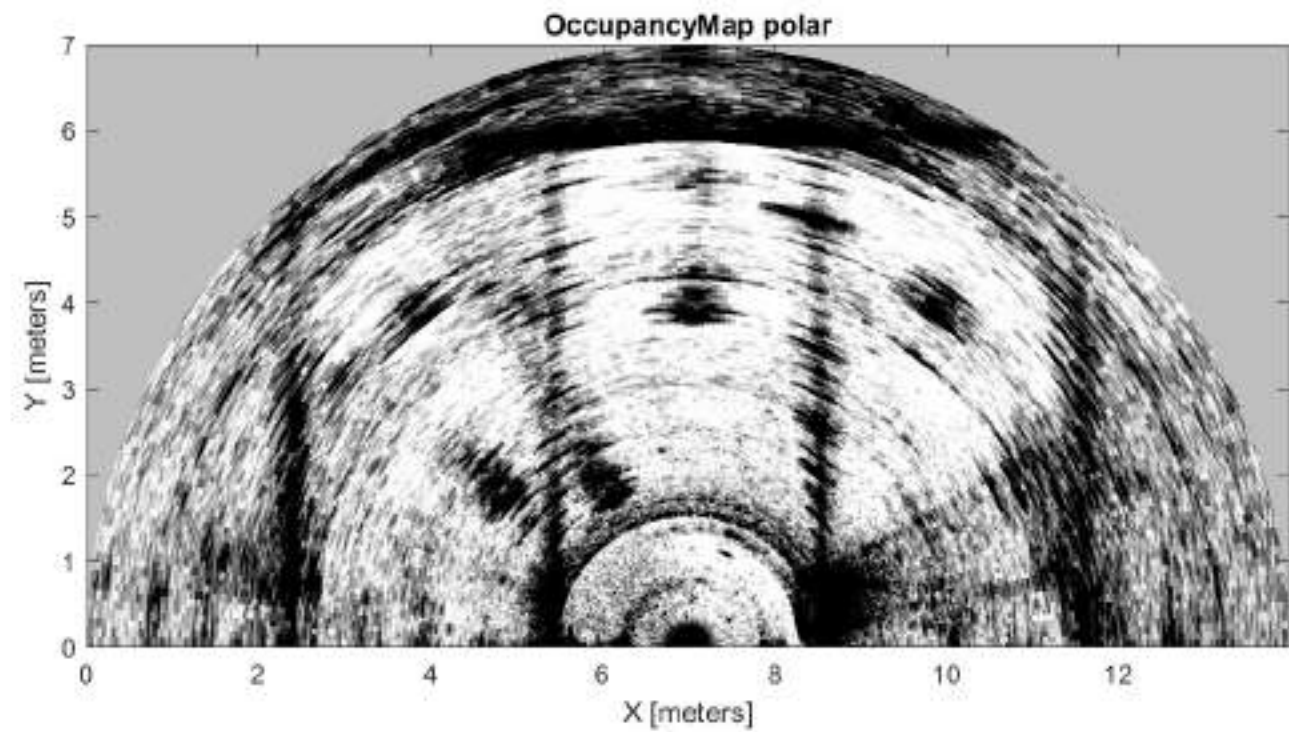
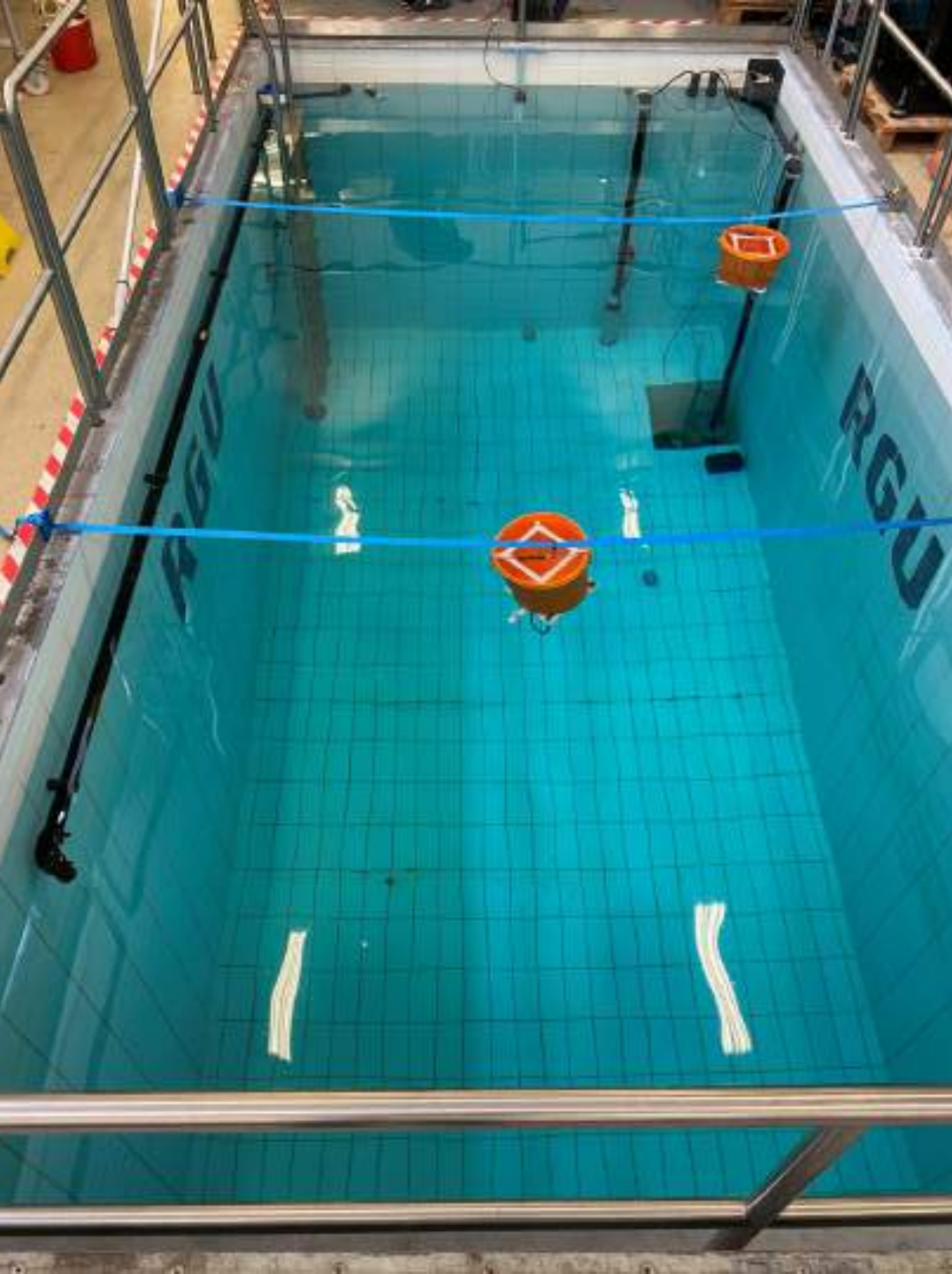
Specifics of the experiment	
Experiment No	08
Gain	Medium (G1)
Sample number	1200
Position of the object in from the sensor placement side of the pool	2m/4m



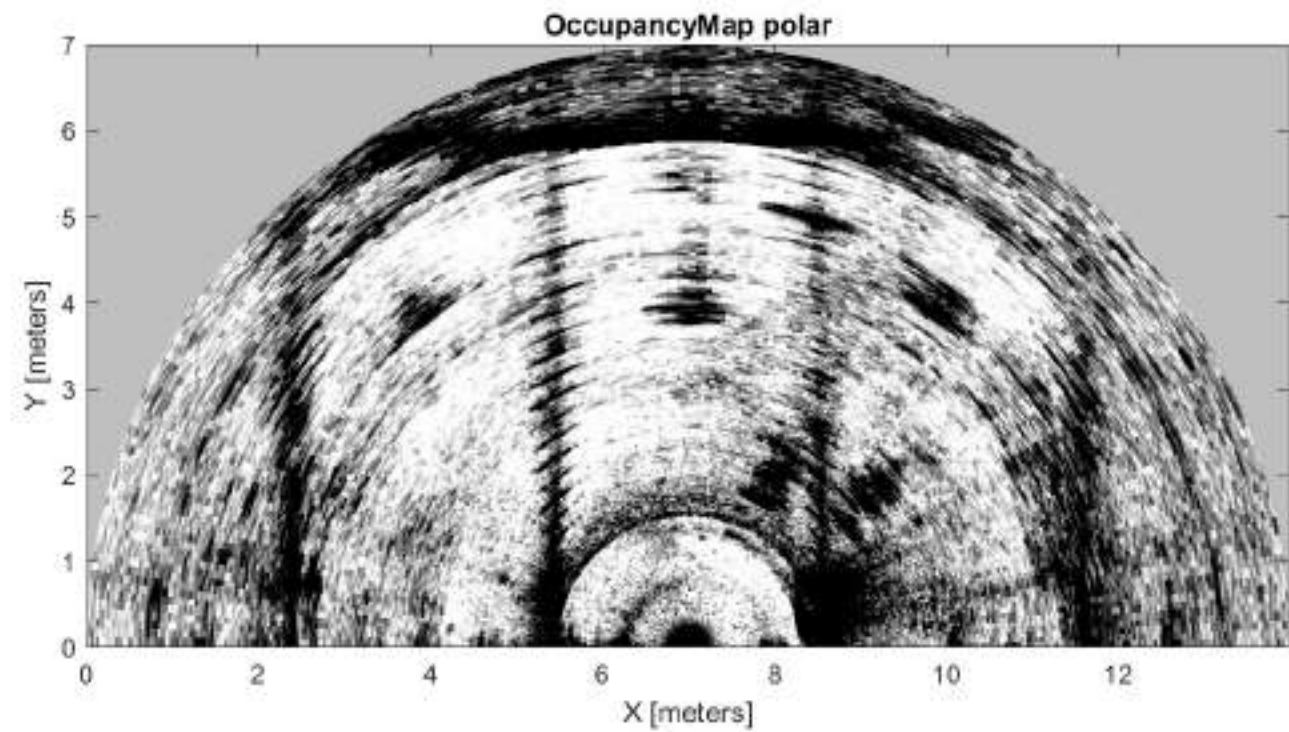
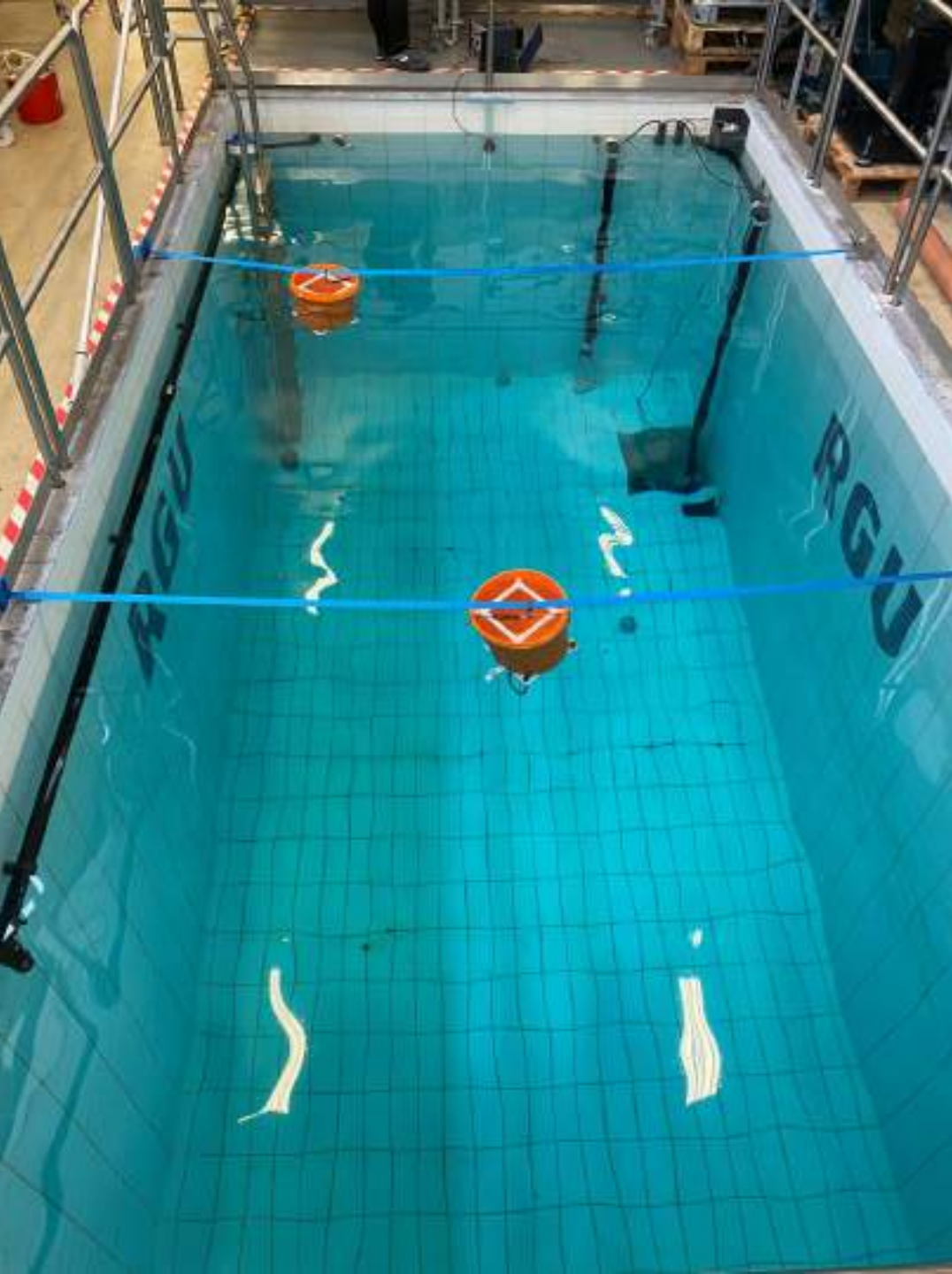
Specifics of the experiment	
Experiment No	09
Gain	Medium (G1)
Sample number	1200
Position of the object in from the sensor placement side of the pool	4m



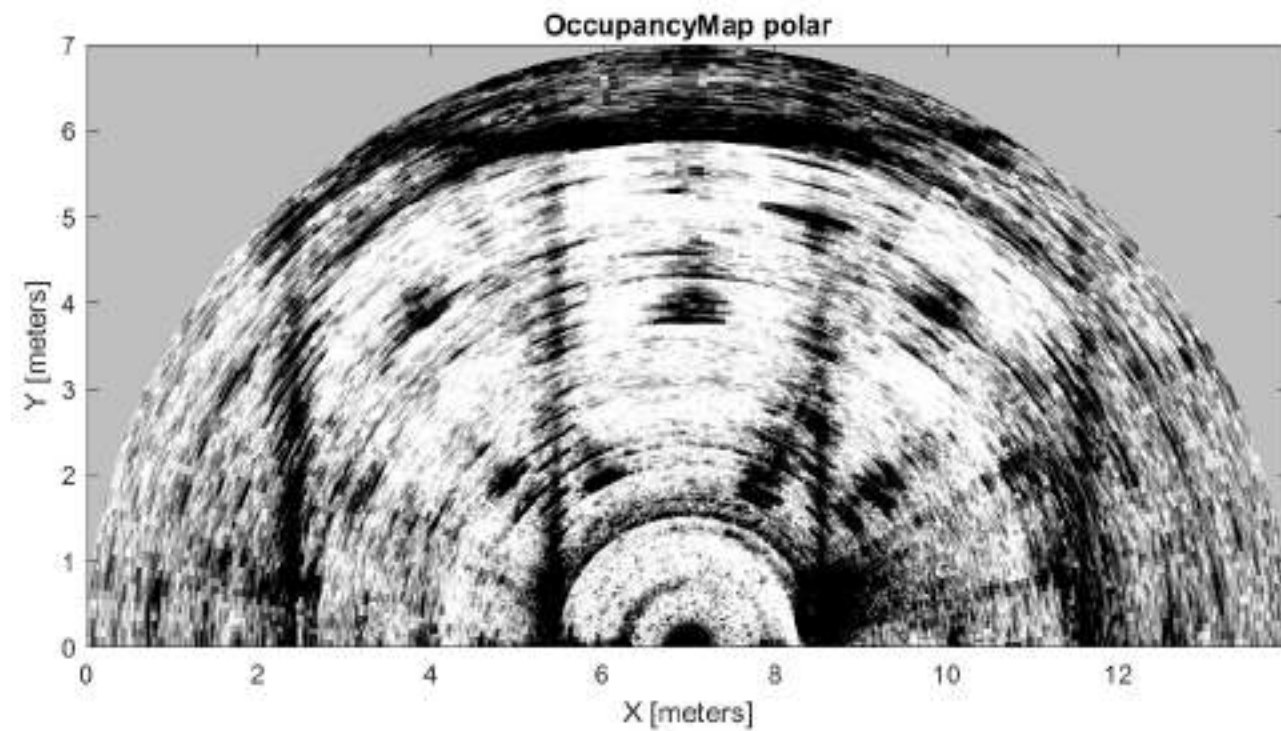
Specifics of the experiment	
Experiment No	10
Gain	Medium (G1)
Sample number	1200
Position of the object in from the sensor placement side of the pool	2m/4m



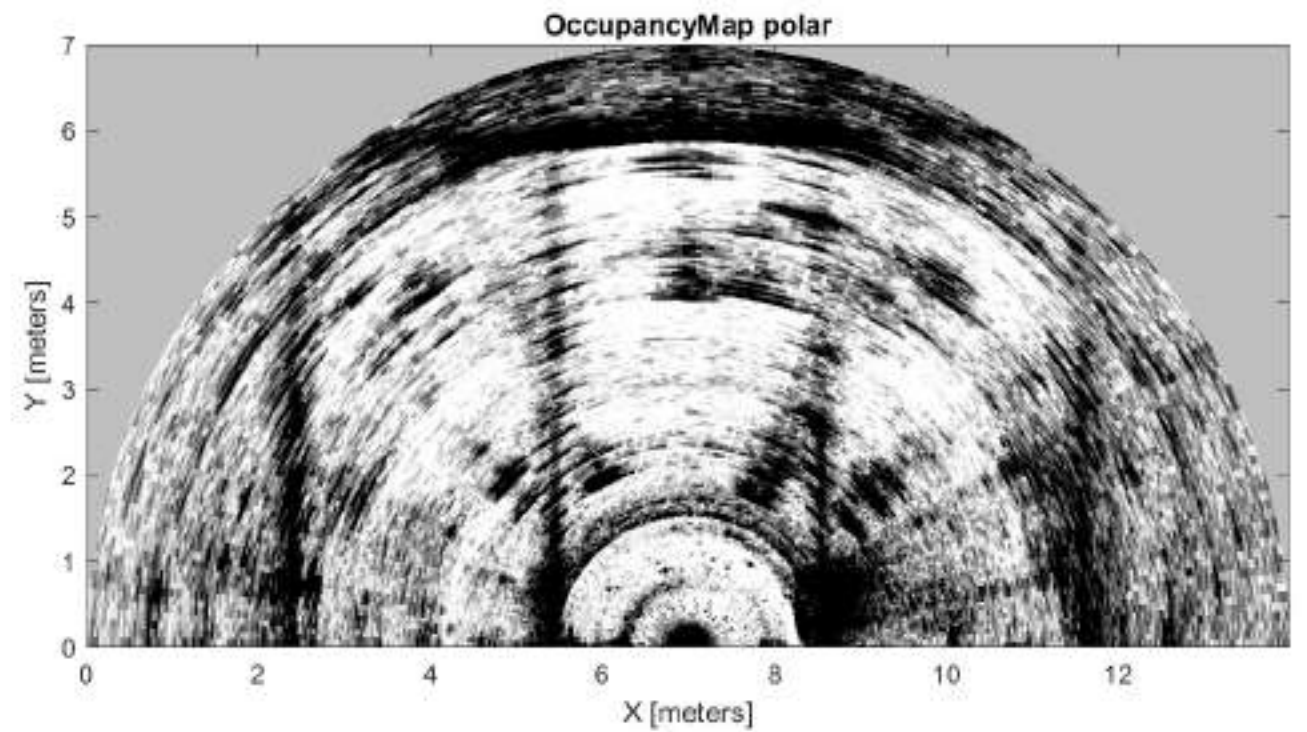
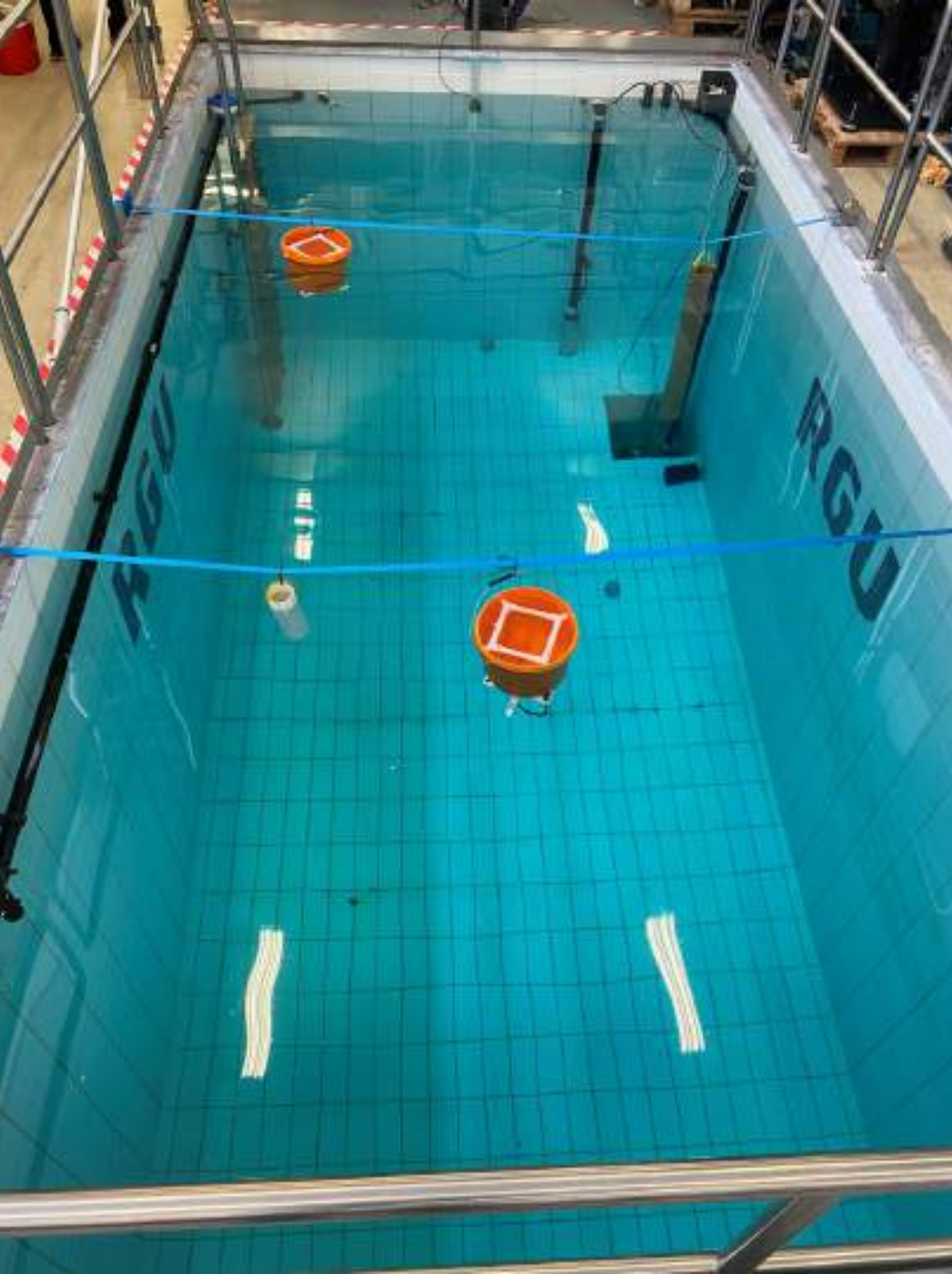
Specifics of the experiment	
Experiment No	11
Gain	Medium (G1)
Sample number	1200
Position of the object in from the sensor placement side of the pool	2m/4m



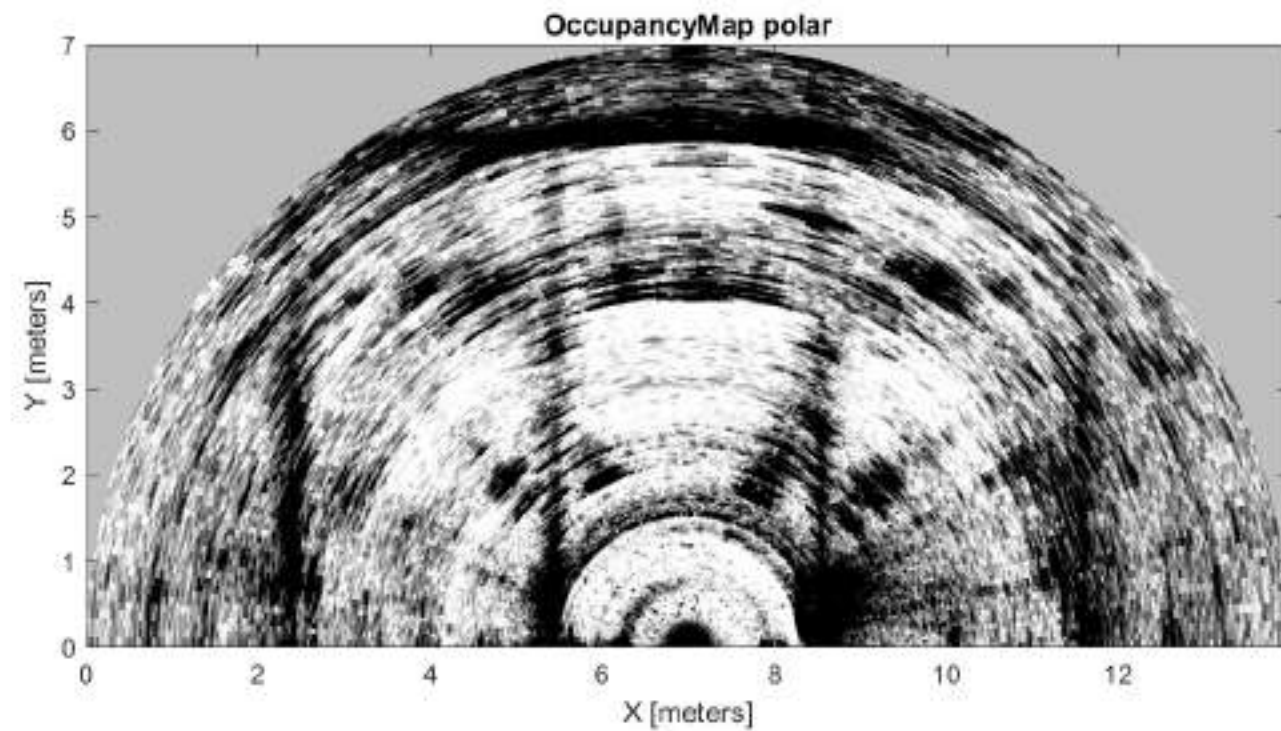
Specifics of the experiment	
Experiment No	12
Gain	Medium (G1)
Sample number	1200
Position of the object in from the sensor placement side of the pool	2m/4m



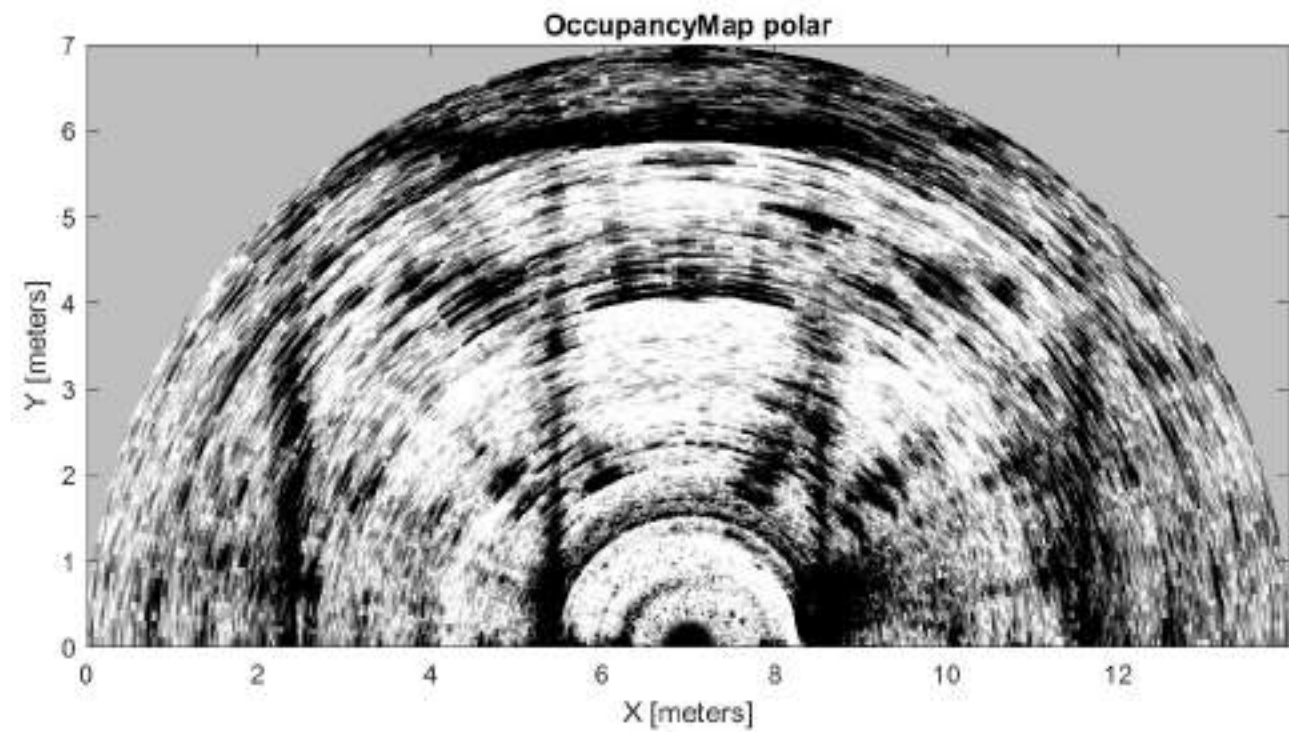
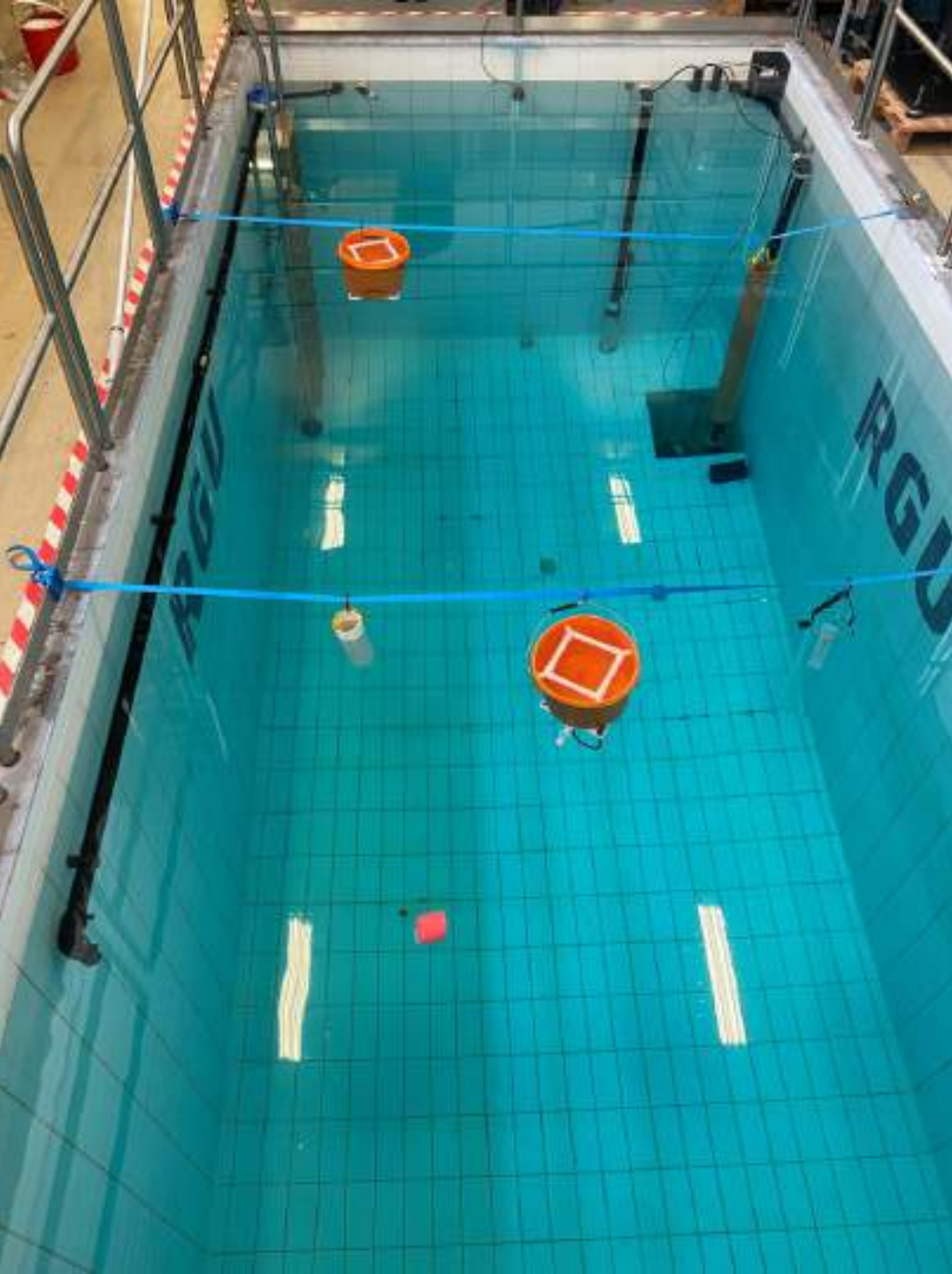
Specifics of the experiment	
Experiment No	13
Gain	Medium (G1)
Sample number	1200
Position of the object in from the sensor placement side of the pool	2m/2m/4m



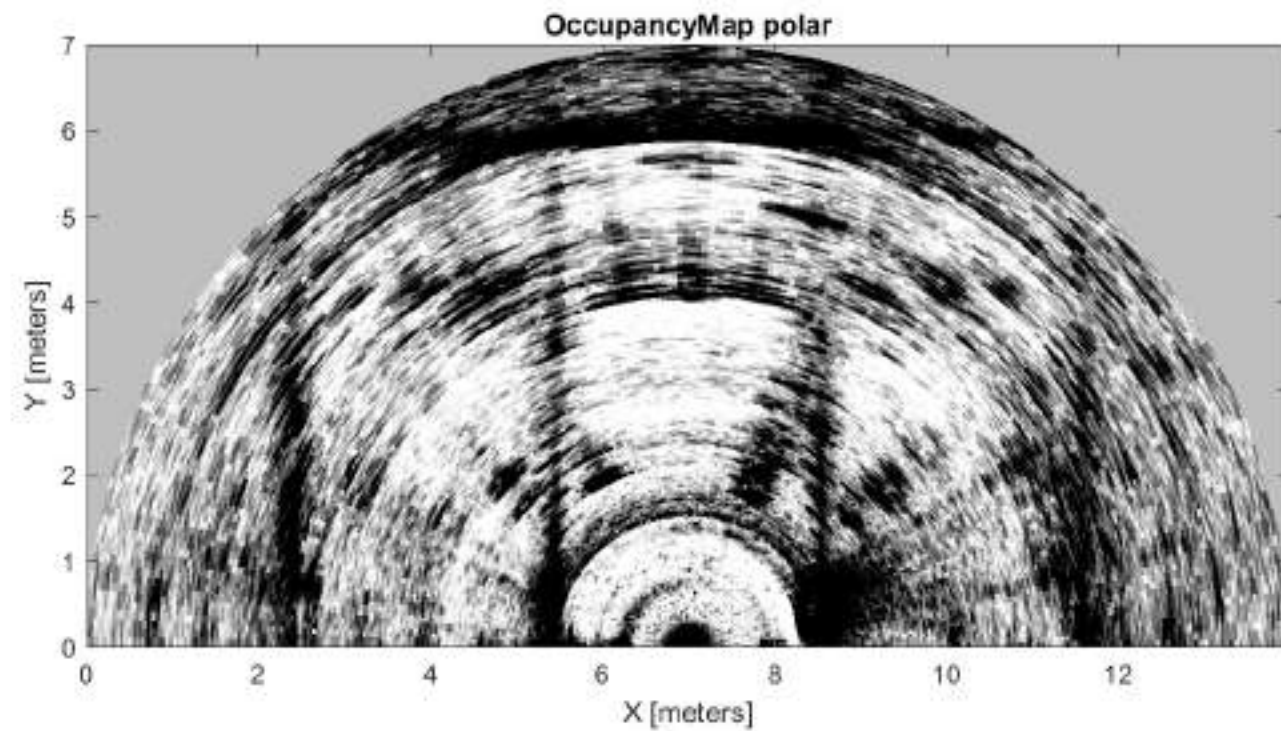
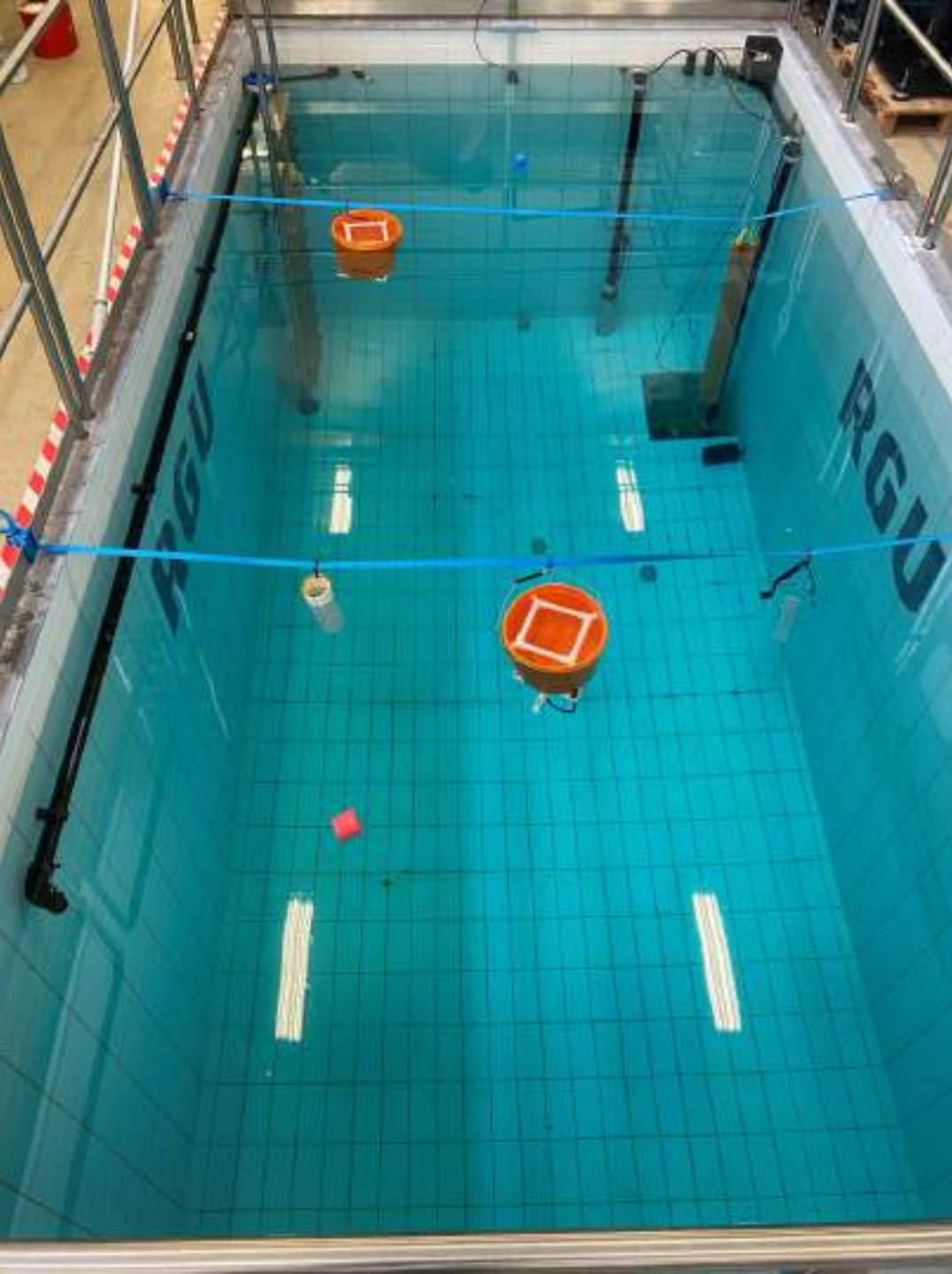
Specifics of the experiment	
Experiment No	14
Gain	Medium (G1)
Sample number	1200
Position of the object in from the sensor placement side of the pool	2m/2m/4m/4m



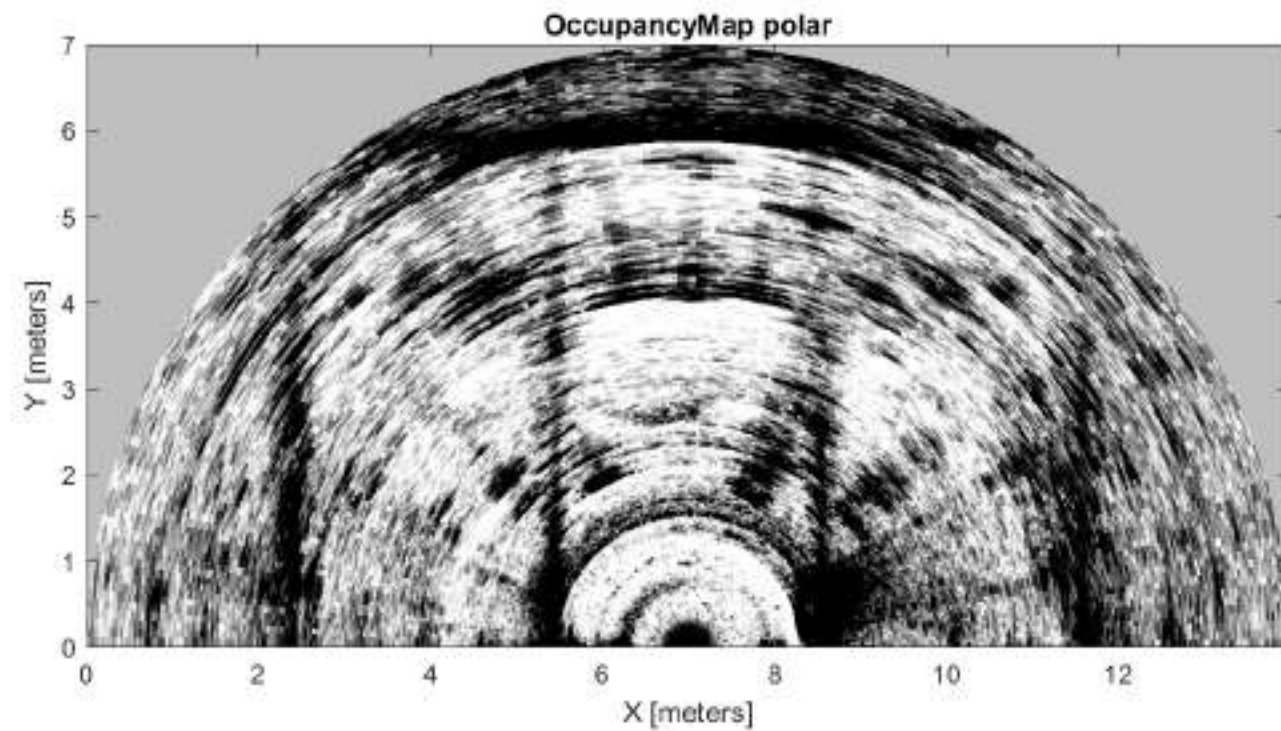
Specifics of the experiment	
Experiment No	15
Gain	Medium (G1)
Sample number	1200
Position of the object in from the sensor placement side of the pool	2m/2m/4m/4m/4m



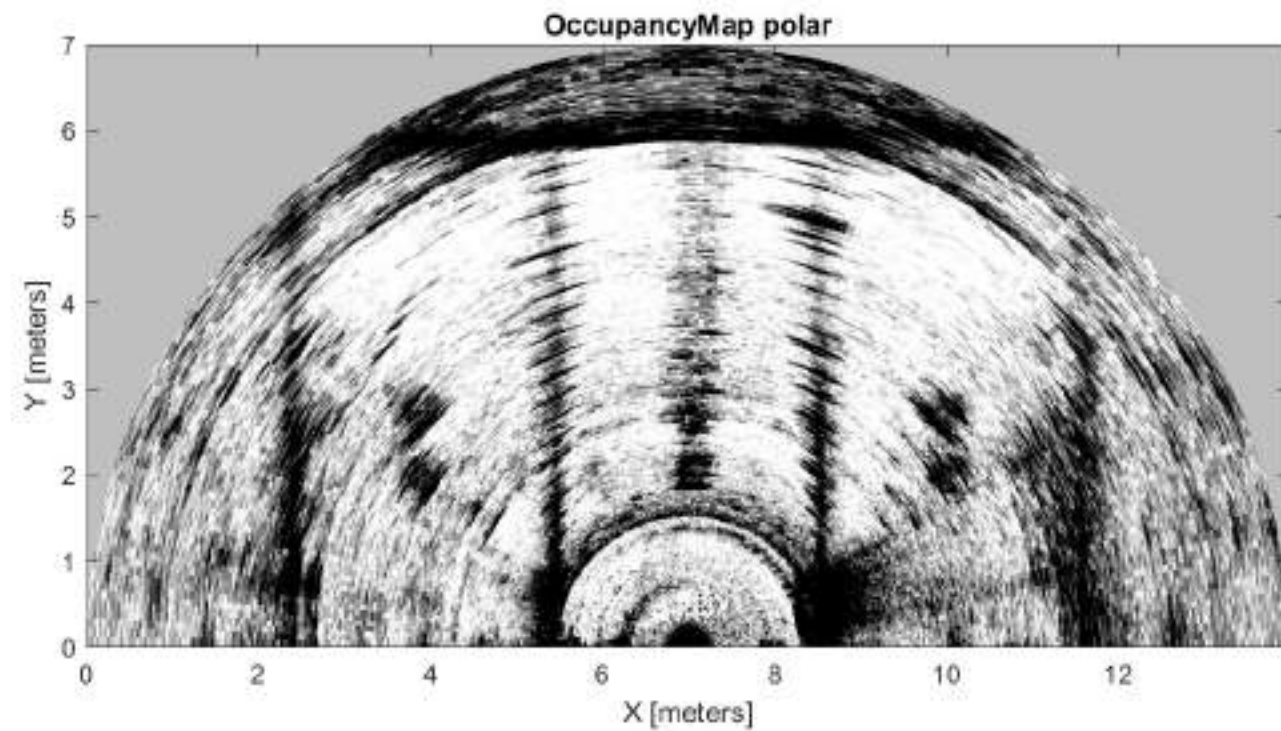
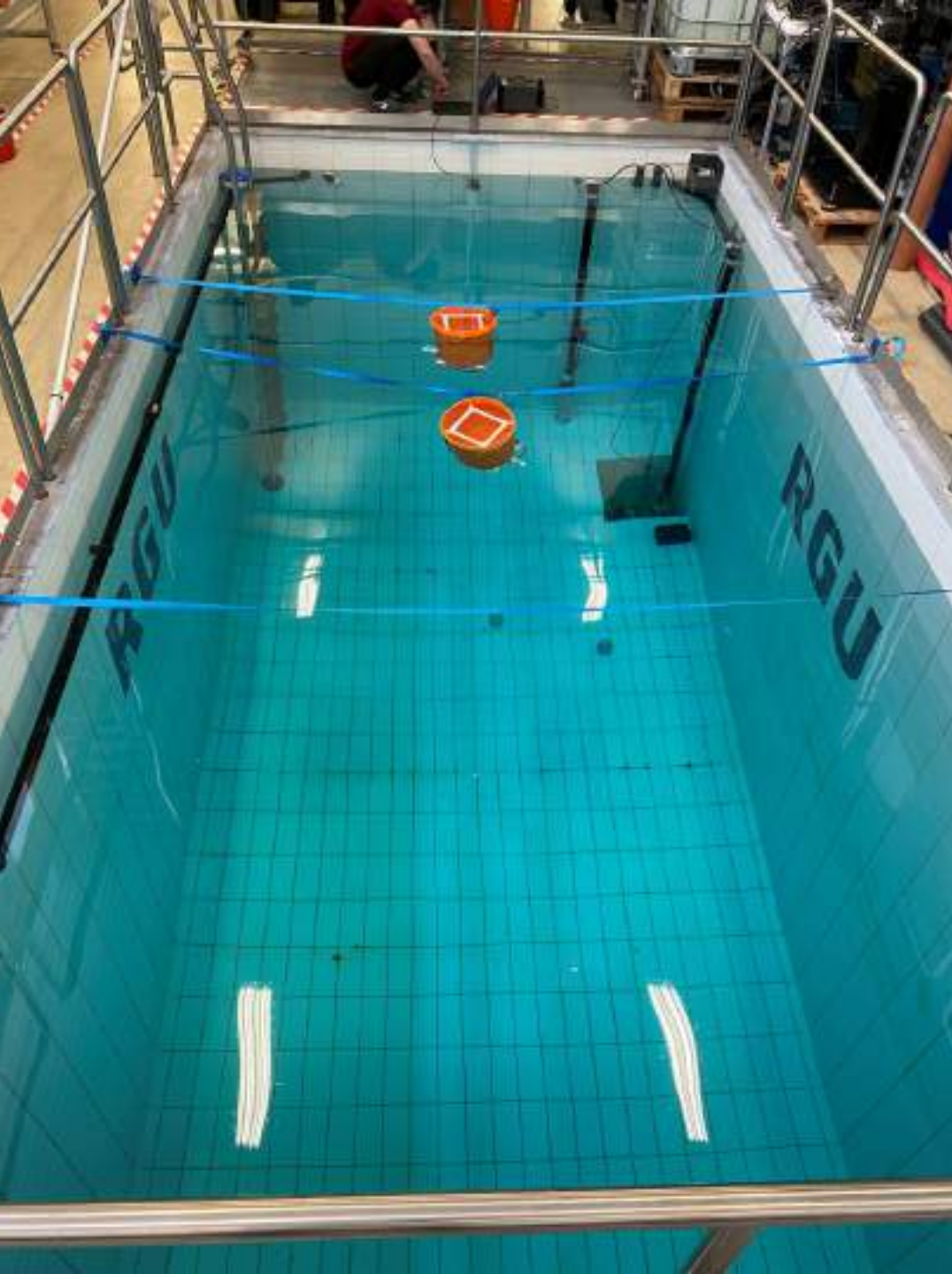
Specifics of the experiment	
Experiment No	16
Gain	Medium (G1)
Sample number	1200
Position of the object in from the sensor placement side of the pool	2m/2m/4m/ 4m/4m/5.5m



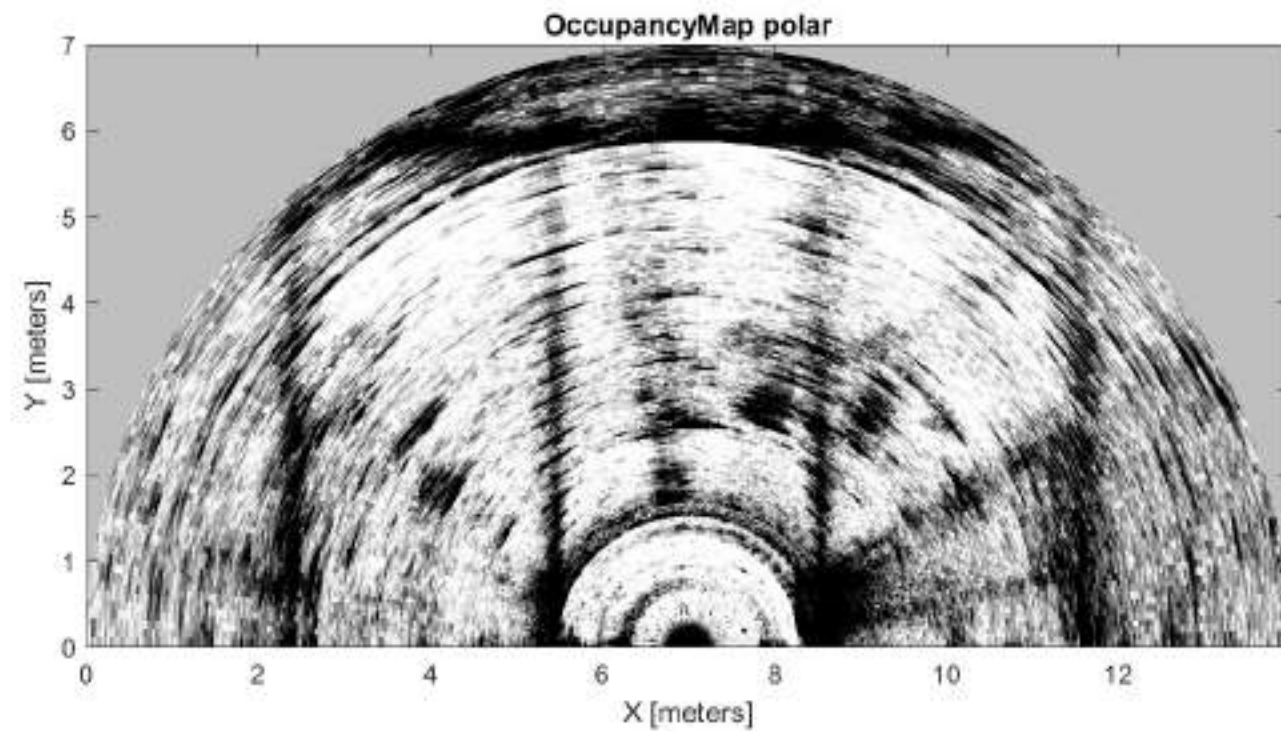
Specifics of the experiment	
Experiment No	17
Gain	Medium (G1)
Sample number	1200
Position of the object in from the sensor placement side of the pool	1m/2m/2m/4m/ 4m/4m/5.5m



Specifics of the experiment	
Experiment No	18
Gain	Medium (G1)
Sample number	1200
Position of the object in from the sensor placement side of the pool	1m/2m/2m/2.5m- /4m/ 4m/4m/4.5m



Specifics of the experiment	
Experiment No	19
Gain	Medium (G1)
Sample number	1200
Position of the object in from the sensor placement side of the pool	2m/2.5m



Specifics of the experiment	
Experiment No	20
Gain	Medium (G1)
Sample number	1200
Position of the object in from the sensor placement side of the pool	2m