

Iteration 1	ASV case	SAR mission	Value 1	Value 2				Unit	Comment
Noise parameters	Parameter A	Wind	0	20				m/s	
	Parameter B	Waves	0	10				m	
	Parameter C	Vessel Position	0	5				km	km away from predicted position
	Parameter D	Vessel Heading	0	90				degrees	degrees away from predicted heading
	Parameter E	Vessel Speed	0	10				m/s	
	Parameter F	Visibility	1	18				km	
Control parameters	Parameter G	Search Area	3	5				km	radius around predicted position
	Parameter H	Camera Angle	Low	High					
	Parameter I	Camera Resolution	Low	High					
	Parameter K	Vessel Size	Small	Large					
	Parameter L	GPS	Off	On					
	Parameter M	Observation Maneuver	Off	On					

Iteration 2.1	ASV case	SAR mission	Value 1	Value 2	Value 3	Value 4	Value 5	Unit	Comment
Noise parameters	Parameter A	Wind	0	5	10	15	20	m/s	
	Parameter B	Waves	0	2.5	5	7.5	10	m	
	Parameter C	Vessel Position	0	1	2	3	4	km	km away from predicted position
	Parameter D	Vessel Heading	0	22.5	45	67.5	90	degrees	degrees away from predicted heading
	Parameter E	Vessel Speed	0	2.5	5	7.5	10	m/s	
	Parameter F	Visibility	1	5.25	9.5	13.75	18	km	
Control parameters	Parameter J	Camera Resolution	Low	Low	Low	Low	Low		

Iteration 2.2	ASV case	SAR mission	Value 1	Value 2	Value 3	Value 4	Value 5	Unit	Comment
Noise parameters	Parameter A	Wind	0	5	10	15	20	m/s	
	Parameter B	Waves	0	2.5	5	7.5	10	m	
	Parameter C	Vessel Position	0	1	2	3	4	km	km away from predicted position
	Parameter D	Vessel Heading	0	22.5	45	67.5	90	degrees	degrees away from predicted heading
	Parameter E	Vessel Speed	0	2.5	5	7.5	10	m/s	
	Parameter F	Visibility	1	5.25	9.5	13.75	18	km	
Control parameters	Parameter J	Camera Resolution	High	High	High	High	High		

Iteration 2.3	ASV case	SAR mission	Value 1	Value 2	Value 3	Value 4	Value 5	Unit	Comment
Noise parameters	Parameter A	Wind	0	5	10	15	20	m/s	
	Parameter B	Waves	0	2.5	5	7.5	10	m	
	Parameter C	Vessel Position	0	1	2	3	4	km	km away from predicted position
	Parameter D	Vessel Heading	0	22.5	45	67.5	90	degrees	degrees away from predicted heading
	Parameter E	Vessel Speed	0	2.5	5	7.5	10	m/s	
	Parameter F	Visibility	1	5.25	9.5	13.75	18	km	
Control parameters	Parameter J	Camera Resolution	Ultra	Ultra	Ultra	Ultra	Ultra		

