

**1 Gate**

Successfully Left Dock Untethered	<input type="checkbox"/> Yes	5 pts	<input type="checkbox"/> No	0 pts
Successfully Entered Gate	<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts
Successfully Exited Gate	<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts
Contact with buoy(s) # <input type="text"/>	X		(-2 pts)	

Task completed Autonomously	<input type="checkbox"/> Yes	10 pts	<input type="checkbox"/> No	0 pts
GPS Agnostic	<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts
IR/Radar Guidance	<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts
Autonomous Navigation between Challenges	<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts

**2 Dodge**

Correct Buoy Navigation (right or left)	1 <input type="checkbox"/> Yes	10 pts	<input type="checkbox"/> No	0 pts
	2 <input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts
	3 <input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts
	4 <input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts
Contact with buoy(s) # <input type="text"/>	x		(-2 pts)	

**Time Bonus**

Gate A-B Time

Record Start Time "Entry"

Exit Time

Fastest Time  Yes 15 pts  No 0 pts

Task completed Autonomously	<input type="checkbox"/> Yes	10 pts	<input type="checkbox"/> No	0 pts
GPS Agnostic	<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts
IR/Radar Guidance	<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts
Autonomous Navigation between Challenges	<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts

**3 Evade**

LiDAR Sensor Evaded	1 <input type="checkbox"/> Yes	15 pts	<input type="checkbox"/> No	0 pts
	2 <input type="checkbox"/>	15 pts	<input type="checkbox"/>	0 pts

**Time Bonus**

Gate C-D Time

Record Start Time "Entry"

Exit Time

Fastest Time  Yes 15 pts  No 0 pts

Task completed Autonomously	<input type="checkbox"/> Yes	10 pts	<input type="checkbox"/> No	0 pts
GPS Agnostic	<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts
IR/Radar Guidance	<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts
Autonomous Navigation between Challenges	<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts

**4 Identify**

Color Specified X	<input type="checkbox"/> Correct	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Purple	<input type="checkbox"/>	15 pts	<input type="checkbox"/>	0 pts
Orange	<input type="checkbox"/>	15 pts	<input type="checkbox"/>	0 pts
Yellow	<input type="checkbox"/>	15 pts	<input type="checkbox"/>	0 pts
Blue	<input type="checkbox"/>	15 pts	<input type="checkbox"/>	0 pts
Random Selection Bonus <input type="checkbox"/>	Successful	<input type="checkbox"/> Yes	25 pts	

Task completed Autonomously	<input type="checkbox"/> Yes	10 pts	<input type="checkbox"/> No	0 pts
GPS Agnostic	<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts
IR/Radar Guidance	<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts
Autonomous Navigation between Challenges	<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts

**5 Deploy**

Sensor Successfully Deployed	<input type="checkbox"/> Yes	10 pts	<input type="checkbox"/> No	0 pts
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Task completed Autonomously	<input type="checkbox"/> Yes	10 pts	<input type="checkbox"/> No	0 pts
GPS Agnostic	<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts
IR/Radar Guidance	<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts
Autonomous Navigation between Challenges	<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts

Total

**6 Launch**

Object Deployed	<input type="checkbox"/> Yes	15 pts	<input type="checkbox"/> No	0 pts
Object launched approximately greater than 10' from target	<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts
Object Reached Target	<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts
Object Landed in Center Section	<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts
Object Landed on Rim	<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts
Object remained on target following landing	<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts

Task completed Autonomously	<input type="checkbox"/> Yes	10 pts	<input type="checkbox"/> No	0 pts
GPS Agnostic	<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts
IR/Radar Guidance	<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts
Autonomous Navigation between Challenges	<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts

**7 Recover**

Object Identified & Contacted	<input type="checkbox"/> Yes	10 pts	<input type="checkbox"/> No	0 pts
Object Tethered to LPV	<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts
Object Removed from Water	<input type="checkbox"/>	25 pts	<input type="checkbox"/>	0 pts
Object delivered to Dock	<input type="checkbox"/>	20 pts	<input type="checkbox"/>	0 pts

Task completed Autonomously	<input type="checkbox"/> Yes	10 pts	<input type="checkbox"/> No	0 pts
GPS Agnostic	<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts
IR/Radar Guidance	<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts
Autonomous Navigation between Challenges	<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts

**8 Receive**

Sensor Communicates with Base	<input type="checkbox"/> Yes	20 pts	<input type="checkbox"/> No	0 pts
Data Provided to Judges	<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts

**8 Return**

LPV returned to base	<input type="checkbox"/> Yes	10 pts	<input type="checkbox"/> No	0 pts
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**Total Time Bonus**

Complete a minimum of 4 challenges  Yes

Total Scoring Run Time

Number of Challenges Completed %

Average Per-Task Time

Fastest Time  Yes 60 pts

Fastest Time  No

Fastest Time Your Time x 60 = Bonus

x 60 =

Task 6-9 & Time Bonus Total  
Task 1-5 Total

Human Remote Intervention #  X  (-)5 pts

Total