

Static Judging	Max Pts	Cedarville University	Diponegoro University	Embry-Riddle Aero nautical University	Florida Atlantic University	Georgia Institute of Technology	National Cheng Kung University	Old Dominion University	Robotics Club at UCF	University of Florida	UM::: Autonomy	University of Rhode Island	Villanova University
Utility of Web Site	50	30.32	27.55	31.74	29.95	27.89	28.79	33.11	27.94	37.74	37.11	37.16	36.11
Technical Merit (paper)	50	37.42	30.32	42.68	34.68	39.32	35.32	33.68	40.26	43.58	42.47	38.16	41.68
Written Style (paper)	50	38.53	27.16	39.11	36.89	37.32	29.37	35.26	41.00	43.32	42.11	41.11	38.74
Technical Accomplishment (static)	75	55.21	46.37	63.00	54.05	55.11	53.53	46.47	58.47	64.47	58.68	55.95	58.11
Craftsmanship (static)	75	53.05	51.32	63.63	54.63	50.79	48.00	51.37	54.37	71.05	55.47	56.05	49.47
Team Uniform (static)	10	8.53	8.53	8.89	7.89	9.05	7.89	9.16	8.05	9.05	8.84	7.26	8.37
Video presentation (video)	25	18.17	16.33	15.94	16.17	15.50	14.11	16.83	17.94	18.94	17.67	18.33	19.00
Discretionary points	40	11.36	18.76	17.54	9.82	17.18	24.47	12.40	11.60	17.73	11.33	11.20	12.60
Sub-Total	375	252.59	226.34	282.53	244.08	252.16	241.48	238.28	259.63	305.88	273.68	265.22	264.08
Rank		7	12	2	9	8	10	11	6	1	3	4	5

Prelims - Course A		Max Pts	Cedarville University	Diponegoro University	Embry-Riddle Aeronautical University	Florida Atlantic University	Georgia Institute of Technology	National Cheng Kung University	Old Dominion University	Robotics Club at UCF	University of Florida	UM::: Autonomy	University of Rhode Island	Villanova University
Dry weight	lbs		84	27	55	110	48	53	78	93	95	94	111	86
<u>Dry weight points</u>	-250 ... +150		53	124	95	0	103	97	64	35	31	33	-255	48
Generated thrust	lbs		8	2	6	7	16	5	8	13	56	10	5	4
<u>Generated thrust points</u>	0... 2200		9	8	10	6	33	8	10	14	59	11	4	4
Navigate through starting gate	100		100					100		100	100	100		100
Navigate through speed gate	sec		19							17	8			44
<u>Speed gate points</u>	0... 250		231	0	0	0	0	0	0	234	242	0	0	206
Mandatory tasks sub-total			393	131	105	6	135	205	74	383	432	144	-251	358
Going through the right Entrance Gate	100									100				
Making it across the obstacle field	200									200				
Going through the right Exit Gate	100													
Nb of obstacle hit	buoys													
<u>Obstacle hit points</u>	0...200		0	0	0	0	0	0	0	0	0	0	0	0
<u>Perfect navigation</u>	500		0	0	0	0	0	0	0	0	0	0	0	0
Obstacle avoidance sub-total			0	0	0	0	0	0	0	300	0	0	0	0
Enter any bay	100													
Enter the right bay	400													
Dock in the right bay	500													
Automated docking sub-total			0	0	0	0	0	0	0	0	0	0	0	0
Report a valid message	50													
Report the correct buoy color	250													
Report a valid position for the correct buoy	200													
Report correct color and position on first try	500													
Beacon positioning sub-total			0	0	0	0	0	0	0	0	0	0	0	0
Activate the light sequence	50													
Report one correct light color in the sequence	100													
Report two correct light color in the sequence	200													
Report correctly the sequence	250													
Report correctly the sequence on first try	400													
Underwater light sub-total			0	0	0	0	0	0	0	0	0	0	0	0
Make it back to the dock	500													
Finish all tasks with T seconds left on the clock	seconds		0											
<u>Bonus time</u>	0...1200		0	0	0	0	0	0	0	0	0	0	0	0
Return to dock sub-total			0	0	0	0	0	0	0	0	0	0	0	0
Total			393	131	105	6	135	205	74	683	432	144	-251	358
			3	8	9	11	7	5	10	1	2	6	12	4

Prelims - Course B		Max Pts	Cedarville University	Diponegoro University	Embry-Riddle Aeronautical University	Florida Atlantic University	Georgia Institute of Technology	National Cheng Kung University	Old Dominion University	Robotics Club at UCF	University of Florida	UM:: Autonomy	University of Rhode Island	Villanova University
Dry weight	lbs		82	27	56	110	46	52	78	92	97	95	112	84
<i>Dry weight points</i>	-250 ... +150		57	124	94	0	104	99	64	37	26	31	-260	53
Generated thrust	lbs		8	2	6	7	16	6	8	13	56	10	5	4
<i>Generated thrust points</i>	0... 2200		9	8	10	6	34	12	10	14	58	11	4	4
Navigate through starting gate	100	100			100	100					100	100		
Navigate through speed gate	sec		18		17	13					8			
<i>Speed gate points</i>	0... 250		232	0	233	237	0	0	0	0	242	0	0	0
Mandatory tasks sub-total			398	131	437	343	138	110	74	51	425	142	-256	57
Going through the right Entrance Gate	100	100			100									
Making it across the obstacle field	200													
Going through the right Exit Gate	100													
Nb of obstacle hit	buoys													
<i>Obstacle hit points</i>	0...200		0	0	0	0	0	0	0	0	0	0	0	0
<i>Perfect navigation</i>	500		0	0	0	0	0	0	0	0	0	0	0	0
Obstacle avoidance sub-total			100	0	100	0	0	0	0	0	0	0	0	0
Enter any bay	100										100			
Enter the right bay	400										400			
Dock in the right bay	500													
Automated docking sub-total			0	0	0	0	0	0	0	0	500	0	0	0
Report a valid message	50													
Report the correct buoy color	250										0			
Report a valid position for the correct buoy	200													
Report correct color and position on first try	500													
Beacon positioning sub-total			0	0	0	0	0	0	0	0	0	0	0	0
Activate the light sequence	50													
Report one correct light color in the sequence	100													
Report two correct light color in the sequence	200													
Report correctly the sequence	250													
Report correctly the sequence on first try	400													
Underwater light sub-total			0	0	0	0	0	0	0	0	0	0	0	0
Make it back to the dock	500													
Finish all tasks with T seconds left on the clock	seconds		0											
<i>Bonus time</i>	0...1200		0	0	0	0	0	0	0	0	0	0	0	0
Return to dock sub-total			0	0	0	0	0	0	0	0	0	0	0	0
Total			498	131	537	343	138	110	74	51	925	142	-256	57
			3	7	2	4	6	8	9	11	1	5	12	10

Prelims - 3rd qualification		Max Pts	Cedarville University	Diponegoro University	Embry-Riddle Aeronautical University	Florida Atlantic University	Georgia Institute of Technology	National Cheng Kung University	Old Dominion University	Robotics Club at UCF	University of Florida	UM::: Autonomy	University of Rhode Island	Villanova University
Dry weight	lbs	83	27	56	110	46	55			94	97	93	114	84
Dry weight points	-250 ... +150	55	124	94	0	104	95	0		33	26	35	-268	53
Generated thrust	lbs	8	2	8	7	16	6			12	6	10	9	4
Generated thrust points	0... 2200	9	8	13	6	34	11	0		13	6	11	8	4
Navigate through starting gate	100	100		100	100	100				100		100		100
Navigate through speed gate	sec	20		16	14	13				16		24		28
Speed gate points	0... 250	230	0	234	236	237	0	0		234	0	226	0	222
Mandatory tasks sub-total		394	131	442	342	475	106	0		380	32	372	-260	379
Going through the right Entrance Gate	100	100		100	100							100		100
Making it across the obstacle field	200			200	200	200				200				
Going through the right Exit Gate	100			100	100	100								
Nb of obstacle hit	buoys			2	1	0				3				
Obstacle hit points	0...200	0	0	100	200	200	0	0		50	0	0	0	0
Perfect navigation	500	0	0	0	0	0	0	0		0	0	0	0	0
Obstacle avoidance sub-total		100	0	500	600	500	0	0		250	0	100	0	100
Enter any bay	100					100				100				
Enter the right bay	400													
Dock in the right bay	500													
Automated docking sub-total		0	0	0	0	100	0	0		100	0	0	0	0
Report a valid message	50													
Report the correct buoy color	250													
Report a valid position for the correct buoy	200													
Report correct color and position on first try	500													
Beacon positioning sub-total		0	0	0	0	0	0	0		0	0	0	0	0
Activate the light sequence	50	50		50		50								50
Report one correct light color in the sequence	100			100										
Report two correct light color in the sequence	200													200
Report correctly the sequence	250													
Report correctly the sequence on first try	400													
Underwater light sub-total		50	0	150	0	50	0	0		0	0	0	0	250
Make it back to the dock	500													
Finish all tasks with T seconds left on the clock	seconds													
Bonus time	0...1200	0	0	0	0	0	0	0		0	0	0	0	0
Return to dock sub-total		0	0	0	0	0	0	0		0	0	0	0	0
Total		544	131	1092	942	1125	106	0		730	32	472	-260	729
		6	8	2	3	1	9	11		4	10	7	12	5

Prelim ranking	Max Pts	Cedarville University	Diponegoro University	Embry-Riddle Aeronautical University	Florida Atlantic University	Georgia Institute of Technology	National Cheng Kung University	Old Dominion University	Robotics Club at UCF	University of Florida	UM::: Autonomy	University of Rhode Island	Villanova University
Performance prelim 1		393	131	105	6	135	205	74	683	432	144	-251	358
Performance prelim 2		498	131	537	343	138	110	74	51	925	142	-256	57
Performance prelim 3		544	131	1092	942	1125	106	0	730	32	472	-260	729
Best score		544	131	1092	942	1125	205	74	730	925	472	-251	729
Combined prelim ranking		7	10	2	3	1	9	11	5	4	8	12	6

Finals		Max Pts	Cedarville University	Diponegoro University	Embry-Riddle Aeronautical University	Florida Atlantic University	Georgia Institute of Technology	National Cheng Kung University	Old Dominion University	Robotics Club at UCF	University of Florida	UM:: Autonomy	University of Rhode Island	Villanova University
Dry weight	lbs				55	109	46			89	97			87
Dry weight points	-250 ... +150	0	0	95	2	104	0	0	42		0	0	0	46
Generated thrust	lbs			7	7	17			13	54				2
Generated thrust points	0 ... 2200	0	0	12	6	36	0	0	15	56	0	0	0	2
Navigate through starting gate	100			100		100			100	100				100
Navigate through speed gate	sec			19		14			17	8				23
Speed gate points	0 ... 250	0	0	231	0	236	0	0	233	242	0	0	0	227
Mandatory tasks sub-total			0	0	438	8	475	0	0	390	398	0	0	375
Going through the right Entrance Gate	100					100				100				
Making it across the obstacle field	200			200		200			200	200				
Going through the right Exit Gate	100					100								
Nb of obstacle hit	buoys			0		1			2	3				
Obstacle hit points	0 ... 200	0	0	200	0	200	0	0	100	50	0	0	0	0
Perfect navigation	500	0	0	0	0	0	0	0	0	0	0	0	0	0
Obstacle avoidance sub-total			0	0	400	0	600	0	0	300	350	0	0	0
Enter any bay	100					100			100	100				
Enter the right bay	400													
Dock in the right bay	500													
Automated docking sub-total			0	0	0	0	100	0	0	100	100	0	0	0
Report a valid message	50			50					50					
Report the correct buoy color	250			250					250					
Report a valid position for the correct buoy	200													
Report correct color and position on first try	500													
Beacon positioning sub-total			0	0	300	0	0	0	0	300	0	0	0	0
Activate the light sequence	50			50					50	50				50
Report one correct light color in the sequence	100								100					
Report two correct light color in the sequence	200													
Report correctly the sequence	250			250						250				
Report correctly the sequence on first try	400													
Underwater light sub-total			0	0	300	0	0	0	0	150	300	0	0	50
Make it back to the dock	500			500						500				
Finish all tasks with T seconds left on the clock	seconds	0								206				
Bonus time	0 ... 1200	0	0	0	0	0	0	0	0	206	0	0	0	0
Return to dock sub-total			0	0	500	0	0	0	0	0	706	0	0	0
Total			0	0	1938	8	1175	0	0	1240	1854	0	0	425
			7	7	1	6	4	7	7	3	2	7	7	5

Final ranking	Max Pts	Cedarville University	Diponegoro University	Embry-Riddle Aeronautical University	Florida Atlantic University	Georgia Institute of Technology	National Cheng Kung University	Old Dominion University	Robotics Club at UCF	University of Florida	UM:: Autonomy	University of Rhode Island	Villanova University
Best performance prelims		544	131	1092	942	1125	205	74	730	925	472	-251	729
Performance finals		0	0	1938	8	1175	0	0	1240	1854	0	0	425
Final score		544	131	1001938	1000008	1001175	205	74	1001240	1001854	472	-251	1000425
Ranking		7	10	1	6	4	9	11	3	2	8	12	5