Hi EXPLORER class teams:

Attached is an information list regarding your benthic species image recognition and autonomous control submissions. See pg. 4 for notes and comments. If additional information is needed or to address comments in the notes section, please contact lead image recognition judge Lisa Bradshaw: lisahicks7603@gmail.com.

Thank you.

			Benthic Species	Line Following	Mapping Crack	Length of Crack
EX 6	AASTMT	Invictus	Good	Good	Need info	Good
EX 20	Alexandria University	Made In Alexandria (MIA)	-	-	-	-
EX 22	Alexandria University	ROBO-TECH	Good	Good	Need info	Good
EX 14	Case Western University	CWRUbotix	Good	Good	Good	Need Info
EX 5	CETYS University Mexicali Campus	SeaFox Inventive	-	-	-	-
EX 3	City University of Hong Kong	CityU Underwater Robotics	Good	Need info	Good	Good
EX 18	Copiah-Lincoln	SeaWolves	Good	-	-	-
EX 19	ETH Zürich	Tethys Robotics	Good	Good	Good	Good
EX 23	HKUST	EPOXSEA	Good	Good	Good	Good
EX 9	Jesuit High School	Jesuit Robotics	Good	Good	Need info	Good
EX 24	Linn-Benton Community College	Linn-Benton ROV	Good	-	Need Info	Good
EX 17	Long Beach City College	Viking Explorers	Good	Need info	Need Info	Need Info
EX 4	Macau Anglican College	Fish Logic	Good	-	Need info	Good
EX 10	Memorial University	Eastern Edge Robotics	Good	Good	Good	Good
EX 13	Newcastle University	NUROVers	-	-	-	-
EX 2	Politecnico di Torino	PoliTOcean	Good	Good	Good	Good
EX 12	Purdue University	Purdue IEE ROV Team	Good	Good	Good	Good
EX 25	SVKM's NMIMS MPSTME	Team Screwdrivers	-	-	-	Good
EX 7	Tecnológico de Monterrey	TecXotic	Good	Good	Good	Good
EX 1	University of California, Santa Cruz	Slugbotics	Good	Good	Good	Good
EX 11	University of Central Lancashire	UMC - UCLAN Mechatronics Club	Good	-	-	-
EX 21	University of Rhode Island	URI Hydrobotics	Good	Good	Need Info	Good
EX 15	University of Sheffield	Avalon	Good	Need Info	Good	Good
EX 16	University of Stavanger	UiS Subsea	-	-	-	-
EX 8	Yildiz Teknik Universitesi	CASMarine	Good	Good	-	-

	Notes
EX 6	Benthic Species: Make sure the total count of each Species is displayed on a screen, not just the shape identified Mapping Crack: Not clear how the location of the crack is identified in the grid.
EX 20	Needs to provide algo description and block diagram
EX 22	Mapping Crack: Not clear how the location of the crack is identified in the grid autonomously
EX 14	Length of Crack: How is length of crack displayed on the screen?
EX 5	No Documents submitted.
EX 3	Autonomous line following: Please provide clerification on how the image is processed to move the ROV. It is not clear if the ROV is moving fully autonomously, or if there is some user input from the pilot to help guide.
EX 18	Benthic Species: Make sure the total count of each Species is displayed on a screen, not just the shape identified
EX 19	
EX 23	Benthic Species: Make sure the total count of each Species is displayed on a screen, not just the shape identified
EX 9	Mapping Crack: Not clear how the location of the crack is identified in the grid autonomously
EX 24	Mapping Crack: Not clear how the location of the crack is identified in the grid autonomously
EX 17	Autonomous line following: Please provide clerification on how the image is processed to move the ROV. Mapping Crack: Not clear how the location of the crack is identified in the grid autonomously Length of Crack: How is length of crack displayed on the screen?
EX 4	Mapping Crack: Not clear how the location of the crack is identified in the grid. Autonomously or Manually?
EX 10	
EX 13	No Documents submitted.
EX 2	
EX 12	Benthic Species: Make sure the total count of each Species is displayed on a screen, not just the shape identified
EX 25	Novel use of Sobel response
EX 7	
EX 1	Clever method of using IMU data to create mapping based on vehicle velocity and know grid size
EX 11	
EX 21	Light on detail for all topics. Did not understand how the 'mapping' would take place using altimeter (great idea btw)
EX 15	Line following - flowchart states "direction displayed on console" - will this require human input at that point?
EX 16	No Documents submitted.
EX 8	Line following - not going to have a black background, only black grid lines. Refer to competition spec for clarity.