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University of Hawaii at Hilo

“Big Island Robotics”

Hilo, Hawaii

Team specs:

Inaugural team: First University of Hawaii at Hilo ROV team to make it to the MATE competition.

Team Members:

Sebastian Baca-Team Captain, Software Engineer, President of Robotics Club

John Marusek-Team Mechanical Engineer, Pilot, Vice-President of Robotics Club

Chad Converse-Team Engineer, Co-Pilot, Treasurer of Robotics Club

Shane Emerson-Team Engineer, Tether Operator, Business Relations for Robotics Club

Liz Clemmens-Outreach Coordinator, Set up Manager

Range of Grades: Junior-Seniors

Distance Travelled: 3896 Miles

ROV Specs

Cost: 1,000.00 (Motors, Tether, and Motors were donated)

Primary Materials: PVC, Aluminum, Lexsan Materials

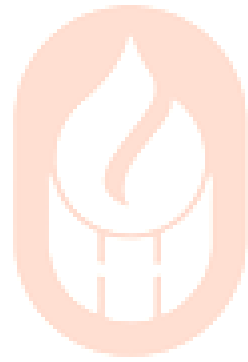
Dimensions: 12” by 38”

Mass: 10kg

Safety Features: Motor shrouds, Inter-locking connectors, 120V Voltage Converter mounted on ROV, Control board and wiring all ran into control box



Features: Gripper/claw, liquid extractor, custom control system



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