

Inertial Measurement Unit (IMU) Data

/*-->*/

The Inertial Measurement Unit (IMU) section of the [Vehicle Sensors](#) [1] screen displays the following information regarding the attitude of the vehicle:

Field	Description
Timestamp	/*-->*/ The Unix time stamp of the most current IMU reading.
Heading	/*-->*/ The heading relative to the topside vehicle.
Pitch	/*-->*/ The pitch of the vehicle measured in degrees.
Roll	/*-->*/ The vehicle's roll measured in degrees.
Heading Rate	/*-->*/ The velocity of the vehicle on its current heading.
Pitch Rate	/*-->*/ The pitch rate of the vehicle.
Forward Acceleration	/*-->*/ The acceleration value for the ROV in the forward direction.
Starboard Acceleration	/*-->*/ The acceleration rate for the ROV in the starboard direction.
Down Acceleration	/*-->*/ The rate at which the vehicle is accelerating downward.

Category: [Workspace - Diagnostics](#) [2]

Applies to: [Balefire Basic](#) [3]

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Source URL: <http://localhost:8888/kb2017/inertial-measurement-unit-imu-data>

Links

[1] <https://greenseainc.com/kb/vehicle-sensors-0>

[2] <http://localhost:8888/kb2017/main-categories/workspace-diagnostics>

[3] <http://localhost:8888/kb2017/applies/balefire-basic>