Coordinate System

The coordinate system is **currently** RIGHT handed axes and RIGHT handed rotations. The axes are as follows:

Axes:

- X+ - front of the sub
- Y+ - left of the sub
- Z+ - above the sub

Rotations:

- Yaw+ - Counterclockwise around Z+ axis (this is opposite of magnetic) (Yaw **Left** positive)
- Roll+ - Counterclockwise around X+ axis (Roll **Right** is positive)
- Pitch+ - Counterclockwise around Y+ axis (Pitch **Down** is positive)

From:
https://robosub.eecs.wsu.edu/wiki/ - **Palouse RoboSub Technical Documentation**

Permanent link:
https://robosub.eecs.wsu.edu/wiki/cs/coord_system/start?rev=1478320121

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