IN

OUT

Routing

publish_wp

sailing_state_machine

Highlevel Control

sail_to_wp

heading[degrees]
next_wp[latitude degrees,
longitude]
wind_direction[degrees]
goal_heading[degrees]

tack

Sensor Analysis

speed_estimate   wind_estimates

Lowlevel Control

sail_lookup

heading[degrees]
wind_direction[degrees]
PoS_control[degrees]

rudder_pid

goal_heading[degrees]
heading
rudder_control[degrees]

Sensors

gps

latitude[degrees]
longitude[degrees]

compass

heading[degrees]

wind

apparent wind
direction, local KS
[degrees]

Actuators

sail_servo

PoS_control[degrees]

rudder_pid

rudder_control[degrees]