

Status Checklist Config Operate Setup Help

SV3 Pre-Launch Checklist

Software Information

Communication

Configuration

1/3

Vehicle Status

Item/Procedure	Readings	Comments	Initials
Battery [Wh] > 700 Wh	755.539		☒
Solar Power Indicators: > 0	1.419 0.0 1.515 1.623		☒

Item/Procedure	Readings				Comments	Initials
Domain Info	AMPS Hardware Status	Temperature (°C)	Pressure (kPa)	Hardware Uptime		
Domain_Name=Host, Node=1, HW_SerNum=0x3132471639323739002d0037 On=Y	OK	23.1	118.6	Uptime: 1 day, 04:37:31		☒
Domain_Name=Thruder-2, Node=3, HW_SerNum=0x3333470738373634002c001c On=Y	OK	19.4	155.2	Uptime: 1 day, 04:30:12		☒
Domain_Name=PydInt-0x33335114373330300043001a, Node=5, HW_SerNum=0x33335114373330300043001a On=Y	OK	18.7	111.3	Uptime: 0 days, 01:00:22		☒

Mechanical Checks

	Item/Procedure	Specifications	Comments	Initials
Float	Wet-mates connected/lubed	3M Silicone Lubricant Spray 3M ID No. 62-4678-4930-3		☒
	Connector covers secure			☒
	Drybox secure	Wiggle test		☒
	Contact info secure			☒
	Hull	Inspect, note condition		☒
	Skeg/Fin	Secure		☒
Sub	Hardware secure			☒
	Umbilical visual inspection	Free of voids/defects		☒
	Umbilical ribbon cable inspection			☒
	Roll pins inserted	Flush with surface		☒
	Wings	Hardware secure with Loctite, lock nuts, and seizing wire		☒
	Thruder	Hardware secure		☒

Vehicle Functionality

Item/Procedure	Readings	Specifications	Comments	Initials
Thruster Spin	456.0	Spins freely, slow and fast speeds		☒
Rudder Range of Motion		Rudder moves freely and smoothly		☒
Rudder right, left, center	Rudder(2020-12-01T23:50:19.212Z,desiredHeading=276.5,compass=22.3,rack=-12.9,post=-15.7rudd	Right, Left, Center		☒
Thruder Compass Correction	Thruder compass is corrected	recommended NOT corrected		☒
Fixed heading test (spin)	180	Avoidance Off, Note Heading Used		☒
Waypoint course test (spin)	41	Avoidance Off, Note Waypoint Course Used		☒
Buoy Release Mechanism	device is disarmed, deviceState=OFF, deployCounter=0, waitTime=1m30s, powerState=OFF (1d4h31m15.637s), ampsPower=false, powerThreadActive=false	Catch release buoy by hand		☒
Octopus Cable 01	OK	Must Pass		☒
Octopus Cable 02	OK	Must Pass		☒
AIS Status	lastSeen=MMSI 338415000 (RACHEL CARSON). Pos=36.802173, -121.787202. t=70:0:UNDERWAY_ENGINE, 2020-12-01T23:50:16.767Z, lengthErrs=6, latlonErrs=1, broadcastCount=20511, lastRx=6.717s, numberObserved=11,	If in harbor, must see MMSI		☒
Photo Document				☒

Vehicle Communication and Telemetry

Item/Procedure	Readings / Specifications	Comments	Initials
WX reporting	Temp=12.9°C, Press=1018.0mb, Wind Speed=1.96kn, Wind Dir=14.3°. Heading=27.5°		☒
UBLOX GPS	2020-12-01T23:50:23Z@36.8024598,-121.7871275,lastRx=0.345s, quality=100, timeout=1m, nmeaValid=true, clockDt=0.528s, lastValidFix=2020-12-01T23:50:23Z@36.8024598,-121.7871275, gpsWatchdogFailureCounter=0, ggaQCount:2=300,numSat:sma=10.00,std=0.00,min=10.00,max=10.00,n=300,hdop:sma=0.93,std=0.00,min=0.93,max=0.93,n=300,altitude:sma=0.64,std=0.55,min=0.30,		☒
Airmar GPS	2020-12-01T23:50:23.200Z@36.80246,-121.7871283,lastRx=0.114s, quality=80, timeout=5m, nmeaValid=true, clockDt=0.355s, lastValidFix=2020-12-01T23:50:23.200Z@36.80246,-121.7871283, gpsWatchdogFailureCounter=0, ggaQCount:2=300,numSat:sma=9.14,std=0.35,min=9.00,max=10.00,n=300,hdop:sma=1.00,std=0.04,min=1.00,max=1.10,n=300,altitude:sma=0.98,std=0.55,min=0.20,max		☒
Torpedo GPS	Not Available!		☒
Water speed readings	Unknown speed; ncc=0, nci=0, tec=0, aip=0.00		☒
Obstacle Avoidance Status	Enabled		☒
Check alarms	"Out of bounds" red. All yellow/green		☒

Tiny: SV3 Pre-Launch Checklist
General Comments

Hotspot removed!

Technician Signature:

- Note: Once vehicle is launched the following tasks must be completed
- 1. Clear alarms
 - 2. Log vehicle modifications in notebook
 - 3. Vehicle on mission
 - 4. Create *LAUNCHED* comment into WGMS
 - 5. Upload photos to gallery website with album name: *YYYY-MM-DD VehicleName*

Submit

Print

Clear User Input