

Status Checklist Config Operate Setup Help

SV3 Pre-Launch Checklist

Battery [Wh] > 700 Wh	1744.56	//		☒
Solar Power Indicators: > 0	4.012	//		☒
	0.0	//		
	3.639	//		
	3.98	//		

Item/Procedure	Readings					
Domain Info	AMPS Hardware Status	Temperature (°C)	Pressure (kPa)	Hardware Uptime	Comments	Initials
Domain_Name=Host, Node=1, HW_SerNum=0x474850072038384d00390021 On=Y	OK	33.0	124.5	Uptime: 1 day, 01:46:00		☒
Domain_Name=Bat-0x474850072038384d00380042, Node=3, HW_SerNum=0x474850072038384d00380042 On=Y	OK	32.0	116.5	Uptime: 1 day, 01:47:27		☒
Domain_Name=Thruder-2, Node=4, HW_SerNum=0x333451063030373500530054 On=Y	OK	23.8	162.2	Uptime: 1 day, 01:38:16		☒

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	448.0	Spins freely, slow and fast speeds		☒
Rudder Range of Motion		Rudder moves freely and smoothly		☒
Rudder right, left, center	Rudder(2022-03-22T22:38:48.448Z,desiredHeading=6.6,compass=31.7,rack=-11.4,post=-10.3rudderStat	Right, Left, Center		☒
Thruder Compass Correction	Thruder compass is corrected	recommended NOT corrected	LR says that this is okay	☒
Fixed heading test (spin)	180	Avoidance Off, Note Heading Used		☒
Waypoint course test (spin)	76	Avoidance Off, Note Waypoint Course Used		☒
Buoy Release Mechanism	device is disarmed, deviceState=OFF, deployCounter=0, waitTime=1m30s, powerState=OFF (1d1h40m6.208s), 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 366966550 (OCEAN ANGEL 2). Pos=36.804848, -121.784933. t=30:0:NOT_DEFINED, 2022-03-22T22:38:54.100Z, lengthErrs=0, latlonErrs=0, broadcastCount=12734, lastRx=5.570s, numberObserved=6, averageRxRateMillis=10.738s,	If in harbor, must see MMSI		☒
Photo Document				☒

Vehicle Communication and Telemetry

Item/Procedure	Readings / Specifications	Comments	Initials
WX reporting	Temp=17.9°C, Press=1020.3mb, Wind Speed=1.75kn, Wind Dir=263.5°. Heading=4.4°		☒
UBLOX GPS	2022-03-22T22:39:02Z@36.8023438,-121.7871247,lastRx=0.235s, quality=100, timeout=1m, nmeaValid=true, clockDt=2.299s, lastValidFix=2022-03-22T22:39:02Z@36.8023438,-121.7871247, gpsWatchdogFailureCounter=0, ggaQCount:2=300,numSat:sma=9.92,std=0.27,min=9.00,max=10.00,n=300,hdop:sma=0.95,std=0.13,min=0.85,max=1.15,n=300,altitude:sma=2.34,std=2.45,min=-3.60,max=6.00,n=300,		☒
Airmar GPS	2022-03-22T22:39:01.400Z@36.8023867,-121.7871517,lastRx=0.869s, quality=80, timeout=5m, nmeaValid=true, clockDt=1.637s, lastValidFix=2022-03-22T22:39:01.400Z@36.8023867,-121.7871517, gpsWatchdogFailureCounter=0, ggaQCount:2=300,numSat:sma=8.01,std=0.11,min=8.00,max=9.00,n=300,hdop:sma=0.90,std=0.00,min=0.90,max=0.90,n=300,altitude:sma=15.65,std=2.17,min=11.20,max=21.00,		☒
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		☒

General Comments

EK80 installed with original one transducer setup for Astrid's project.

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