

SV3-121: SV3 Pre-Launch Checklist

SV3 Pre-Launch Checklist

Date	2016-02-25T21:24:25.454Z	Glider Name	SV3-1531399927(SV3-121)
Tech(s)	cwahl	Organization	MBARI
Payload(s)	Hotspot	Project	BIN
Ship/Op Area	MB	Location	Using GPSUblox declination=13.3657255, failover

Software Information

Id	SV3-121, Running Regulus software version of 2015-12-01_16-50-31, production build 35
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Communication

Item/Procedure	Readings	Initials
WiFi Connection	WiFi is On	☒
Virtual Relay	ON. 0 queued msgs (Max=2147483647). Channel is TALKING.(75/75 success rate) sleepTime=60000 packetSize=	☒
WGMS Iridium	ON. 0 queued msgs (Max=1). Channel is TALKING. IMEI:300434060771430, consecutiveErrors=0, sessionErrors=	☒
Vehicle telemetry received		☒
Tracker telemetry received	Battery (bars) 15.66 Report Rate 4hrs	☒

Configuration

Item/Procedure	Readings	Specifications	Initials
Topside RDF Frequency			☐
Hull RDF Frequency			☐
Tracker WGMS name	Tiny tracker		☒
Drybox WGMS name	Tinytoo		☒
Float name	Tiny		☒
Glider name	Tiny		☒
Thruder Serial Number	2c001c	Last 6 digits of Hardware ID found on AMPS page	☒
Event definitions		Compare against standard list	☒
Vehicle and tracker op area defined		Note area name(s) and enable alarms	☒
Escalation list created/populated			☒

Vehicle Status

Item/Procedure	Readings	Initials
Battery [Wh] > 700 Wh	839.376	☒
Solar Power Indicators: > 0	10.688 0.0 0.44 21.22	☒

Item/Procedure	Readings				Initials
Domain Info	AMPS Hardware Status	Temperature (°C)	Pressure (kPa)	Hardware Uptime	
Domain_Name=Host, Node=2, HW_SerNum=0x3333451153936383700260039 On=Y	OK	29.3	123.7	Uptime: 0 days, 22:22:37	☒
Domain_Name=Thruder, Node=4, HW_SerNum=0x3333470738373634002c001c On=Y	OK	20.7	162.2	Uptime: 0 days, 22:12:47	☒

Mechanical Checks

	Item/Procedure	Specifications	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	Free of cracks and dings	☒
	Skeg/Fin	Secure	☒
Sub	Hardware secure		☒
	Umbilical visual inspection	Free of voids/defects	☒
	Roll pins inserted	Flushed with surface	☒
	Wings	Hardware secure with Loctite and Lock Nuts	☒
	Thruder	Hardware secure	☒

Vehicle Functionality

Item/Procedure	Readings	Specifications	Initials
Thruster Spin	0.0	Spins freely, slow and fast speeds	☒
Rudder Range of Motion		Rudder moves freely and smoothly	☒
Rudder right, left, center	Rudder(2016-02-25T21:24:18.610Z,desiredHeading=317.9,compass=9.4,rack=-20.2,post=-19.8)	Right, Left, Center	☒
Thruder Compass Correction	Thruder compass is NOT corrected		☒
Fixed heading test (spin)	180	Avoidance Off, Note Heading Used	☒
Waypoint course test (spin)	44	Avoidance Off, Note Waypoint Course Used	☒
Buoy Release Mechanism	device is disarmed, deviceState=OFF, deployCounter=0	Catch release buoy by hand	☐
Octopus Cable 01	OK	Must Pass	☒
Octopus Cable 02	OK	Must Pass	☒
AIS Status	MMSI 338186132 (R/V PARAGON). Pos=36.802458,-121.787033. t=33:0:NOT_DEFINED, 2016-02-25T21:24:19.34	If in harbor, must see MMSI	☒
Photo Document			☐

Vehicle Communication and Telemetry

Item/Procedure	Readings / Specifications
WX reporting	Temp=NaN°C, Press=NaNmb, Wind Speed=NaNkn, Wind Dir=NaN°. Heading=NaN°
UBLOX GPS	At [36.80250000,-121.78709733] @ 2016-02-25T21:24:27Z, quality=100
Airmar GPS	Not Available!
Torpedo GPS	At [36.80250167,-121.78711842] @ 2016-02-25T21:24:28Z, quality=65
Water speed readings	Out of the water; Unknown speed; Not yet running
Obstacle Avoidance Status	Enabled
RDF beacon tested w/receiver	
Check alarms	<input all="" green"="" red.="" type="text" value="Out of bounds" yellow=""/>

Comments

S1 hotspot only
Hotspot payload losing pressure?

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*