



SV3-121: SV3 Pre-Launch Checklist

SV3 Pre-Launch Checklist

Date	2016-12-12T16:53:25.849Z	Glider Name	SV3-1531399927(SV3-121)
Tech(s)	CWAHL	Organization	Mbari
Payload(s)	S1, s2, s3 and g1	Project	Bog timeseries
Ship/Op Area	Paragon, mb	Location	Using GPSUBlox declination=13.282282, failoverC

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 WAITING.(0/14 success rate) sleepTime=60000 packetSize=8	☐
WGMS Iridium	ON. 1 queued msgs (Max=1). Channel is TALKING. IMEI:300434060771430, consecutiveErrors=0, sessionErrors=}	☐
Vehicle telemetry received		☒
Tracker telemetry received	Battery (bars) Report Rate 4hrs	☒

Configuration

Item/Procedure	Readings	Specifications	Initials
Topside RDF Frequency	N/a		☐
Hull RDF Frequency	N/a		☐
Tracker WGMS name	Mbari spare		☒
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	865.355	☒
Solar Power Indicators: > 0	2.604 0.0 0.22 2.787	☒

Item/Procedure	Readings				Initials
Domain Info	AMPS Hardware Status	Temperature (°C)	Pressure (kPa)	Hardware Uptime	
Domain_Name=Host, Node=1, HW_SerNum=0x333451153936383700260039 On=Y	OK	19.4	113.4	Uptime: 0 days, 01:06:51	☒
Domain_Name=Thruder, Node=3, HW_SerNum=0x3333470738373634002c001c On=Y	OK	13.5	143.8	Uptime: 0 days, 00:59:35	☒

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(2016-12-12T16:53:24.671Z,desiedHeading=318.3,compass=27.8,rack=-20,post=-20)	Right, Left, Center	☒
Thruder Compass Correction	Thruder compass is NOT corrected		☒
Fixed heading test (spin)	270	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	Catch release buoy by hand	☒
Octopus Cable 01	OK	Must Pass	☒
Octopus Cable 02	OK	Must Pass	☒
AIS Status	MMSI 338149219 (AEOWS). Pos=36.801493, -121.786630. t=36:0:NOT_DEFINED, 2016-12-12T16:52:50.946Z	If in harbor, must see MMSI	☒
Photo Document			☒

Vehicle Communication and Telemetry

Item/Procedure	Readings / Specifications
WX reporting	Temp=5.3°C, Press=1020.6mb, Wind Speed=8.65kn, Wind Dir=58.1°. Heading=37.7°
UBLOX GPS	At [36.80229333, -121.78684133] @ 2016-12-12T16:53:26Z, quality=100
Airmar GPS	At [36.80228000, -121.78682500] @ 2016-12-12T16:53:21Z, quality=80
Torpedo GPS	At [36.80227470, -121.78680578] @ 2016-12-12T16:53:24Z, 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	"Out of bounds" red. All yellow/green

Comments

Glider lower part loose!
S1 hotspot with Mf modem
S2 ctd plus do, s3 pcO2 plus pH
G1 eco plus vr2c

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*