



SV3-121: SV3 Pre-Launch Checklist

SV3 Pre-Launch Checklist

Date	2015-12-09T18:40:03.595Z	Glider Name	SV3-1531399927(SV3-121)
Tech(s)	Cwahl	Organization	Mbari
Payload(s)	S1, s2, s3 and g1	Project	Bog timeseries and hotspot
Ship/Op Area	Mb bay	Location	Using GPSUblox declination=13.387807, failoverC

Software Information

Id	SV3-121, Running Regulus software version of 2015-05-14T17:58:23.469Z, production build 12
----	--

Communication

Item/Procedure	Readings	Initials
WiFi Connection	WiFi is On	☒
Virtual Relay	ON. 0 queued msgs (Max=2147483647). Channel is WAITING.(no internet connectivity)	☒
WGMS Iridium	ON. 1 queued msgs (Max=1). Channel is TALKING. IMEI:300434060771430, consecutiveErrors=1, sessionErrors=	☒
Vehicle telemetry received		☒
Tracker telemetry received	Battery (bars) Report Rate	☒

Configuration

Item/Procedure	Readings	Specifications	Initials
Topside RDF Frequency	Na		☒
Hull RDF Frequency	Na		☒
Tracker WGMS name	Tiny tracker		☒
Drybox WGMS name	TinyToo		☒
Float name	Tiny		☒
Glider name	Tiny		☒
Thrudder 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	C1 to m1 to m2	Note area name(s) and enable alarms	☒
Escalation list created/populated			☒

Vehicle Status

Item/Procedure	Readings	Initials
Battery [Wh] > 700 Wh	794.304	☒
Solar Power Indicators: > 0	16.543 0.0 15.155 18.502	☒

Item/Procedure	Readings				
Domain Info	AMPS Hardware Status	Temperature (°C)	Pressure (kPa)	Hardware Uptime	Initials
Domain_Name=Host, Node=1, HW_SerNum=0x3333451153936383700260039 On=Y	OK	25.2	122.9	Uptime: 0 days, 00:40:21	☒
Domain_Name=Thrudder, Node=5, HW_SerNum=0x3333470738373634002c001c On=Y	OK	21.0	161.6	Uptime: 0 days, 00:33:17	☒
Domain_Name=PydInt-					

0x3332470932363032002b0025, Node=4, HW_SerNum=0x3332470932363032002b0025 On=Y	OK	16.3	115.8	Uptime: 0 days, 00:33:33	☒
--	---------------------------------	-----------------------------------	------------------------------------	---	-------------------------------------

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(2015-12-09T18:40:00.734Z,desiredHeading=68.4,compass=20.9,rack=19.9,post=17.4)	Right, Left, Center	☒
Thruder Compass Correction	Thruder compass is NOT corrected		☒
Fixed heading test (spin)	90	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 367022180 (DONNA KATHLEEN). Pos=36.801628, -121.787275. t=30:0:NOT_DEFINED, 2015-12-09T18:39:3	If in harbor, must see MMSI	☒
Photo Document			☐

Vehicle Communication and Telemetry

Item/Procedure	Readings / Specifications
WX reporting	Temp=13.2°C, Press=1021.0mb, Wind Speed=6.18kn, Wind Dir=135.4°. Heading=48.4°
UBLOX GPS	At [36.80226817, -121.78683550] @ 2015-12-09T18:40:03Z, quality=100
Airmar GPS	At [36.80226833, -121.78681333] @ 2015-12-09T18:39:55Z, quality=80
Torpedo GPS	At [36.80219873, -121.78680632] @ 2015-12-09T18:40:03Z, quality=65
Water speed readings	Out of the water; Unknown speed; No NMEA sentences seen yet
Obstacle Avoidance Status	Disabled
RDF beacon tested w/receiver	
Check alarms	<input all="" green"="" red.="" type="text" value="Out of bounds" yellow=""/>

Comments

S1 hotspot
S2 ctd + do
S3 pco2 + pH
G1 vr2c + eco puck
Umhellical needs repair

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*