



SV3-132: SV3 Pre-Launch Checklist

SV3 Pre-Launch Checklist

Date	2017-04-21T19:04:58.261Z	Glider Name	SV3-199056737(SV3-132)
Tech(s)	cwahl	Organization	Mbari
Payload(s)	G2	Project	Testing
Ship/Op Area	Test tank	Location	Using GPSUBlox declination=13.244872, failoverC

Software Information

Id	SV3-132, sn=199056737, Running Regulus 1.1.1, software version of 2016-08-24T17:05:27Z, production build 7
----	--

Communication

Item/Procedure	Readings	Initials
WiFi Connection	WiFi is On	☒
Virtual Relay	ON. 0 queued msgs (Max=2500). Channel is ALKING.(50/50 success rate) sleepTime=6000 packetSize=8192	☒
WGMS Iridium	ON. 0 queued msgs (Max=1). Channel is ALKING. IMEI:300434060796780, consecutiveErrors=0, sessionErrors=	☒
Vehicle telemetry received		☒
Tracker telemetry received	Battery (bars) Report Rate	☐

Configuration

Item/Procedure	Readings	Specifications	Initials
Topside RDF Frequency			☐
Hull RDF Frequency			☐
Tracker WGMS name			☐
Drybox WGMS name	Sparky		☒
Float name	Sparky		☒
Glider name	Sparky		☒
Thruder Serial Number	530054	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	755.77	☒
Solar Power Indicators: > 0	26.95 0.0 0.0 41.1	☐

Item/Procedure	Readings				Initials
Domain Info	AMPS Hardware Status	Temperature (°C)	Pressure (kPa)	Hardware Uptime	
Domain_Name=Host, Node=1, HW_SerNum=0x3334510630303735002f001d On=Y	OK	34.8	127.7	Uptime: 0 days, 00:20:42	☒
Domain_Name=Thruder-1, Node=3, HW_SerNum=0x333451063030373500530054 On=Y	OK	34.3	191.0	Uptime: 0 days, 00:15:37	☒
Domain_Name=PydInt-	OK	30.5	116.9	Uptime: 0 days, 00:02:58	☒

0x3333470c383233380023002e, Node=5,
HW_SerNum=0x3333470c383233380023002e On=Y

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(2017-04-21T19:04:53.490Z,desiedHeading=319,compass=9.7,rack=-20.1,post=-19.8rudderStatus=0x34	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)	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	Failure	Must Pass	☐
Octopus Cable 02	OK	Must Pass	☒
AIS Status	No AIS reports yet received	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	2017-04-21T19:04:59Z@36.8023748,-121.7871442, lastRx=0.724s, quality=100, clockDt=0.904s
Airmar GPS	Not Available!
Torpedo GPS	2017-04-21T19:04:50Z@36.8023895,-121.7871248, lastRx=9.622s, quality=65, clockDt=9.906s
Water speed readings	Out of the water; Unknown speed; Not yet running, powerState=OFF, ampsPower=false
Obstacle Avoidance Status	Enabled
RDF beacon tested w/receiver	
Check alarms	"Out of bounds" red. All yellow/green

Comments

Needs paint
Thruster not working well

Technician Signature:

cwahl

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*

Save & Submit

Print