

SV3-132: SV3 Pre-Launch Checklist

SV3 Pre-Launch Checklist

Date	2018-08-21T18:38:47.655Z	Glider Name	SV3-199056737(SV3-132)
Tech(s)	cwahl	Organization	MBARI
Payload(s)	G2 and WBAT ecosounder	Project	KBB acoustics
Ship/Op Area	Paragon MB	Location	Using GPSUblox declination=13.106522, faild

Software Information

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

Item/Procedure	Readings	Initials
WiFi Connection	WiFi is On	☒
Virtual Relay	ON. 0 queued msgs (Max=2500). Channel is WAITING.(75/85 success rate) sleepTime=60000 pack	☒
WGMS Iridium	ON. 1 queued msgs (Max=1). Channel is ATTEMPTING. IMEI:300434060796780, consecutiveError	☒
Vehicle telemetry received		☒
Tracker telemetry received	Battery (bars) 15.6 Report Rate 4 hrs	☒

Configuration

Item/Procedure	Readings	Specifications	Initials
Topside RDF Frequency	n/a		☐
Hull RDF Frequency	n/a		☐
Tracker WGMS name	Sparky Tracker		☒
Drybox WGMS name	SV3-132 Sparky		☒
Float name	Sparky		☒
Glider name	Sparky v200		☒
Thruder Serial Number	280044	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	420.061	☒
Solar Power Indicators: > 0	5.632 0.0 4.657 4.386	☒

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	29.1	111.7	Uptime: 5 days, 23:13:57	☒	
Domain_Name=Thruder-2, Node=5, HW_SerNum=0x343747033038363800280044 On=Y	OK	17.8	166.9	Uptime: 5 days, 23:07:41	☒	
Domain_Name=PyldInt-0x3333470c383233380023002e, Node=7, HW_SerNum=0x3333470c383233380023002e On=Y	OK	20.4	112.0	Uptime: 0 days, 00:03:40	☒	

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	449.0	Spins freely, slow and fast speeds	☒
Rudder Range of Motion		Rudder moves freely and smoothly	☒
Rudder right, left, center	Rudder(2018-08-21T18:38:48.394Z,desiredHeading=342.1,compass=73.8,rack=-15.9,post=-15.7rud	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	MMSI 367375360 (OCEAN ANGEL 3). Pos=36.804363, -121.785145. t=30:0:UNDERWAY_SAILING	If in harbor, must see MMSI	☒
Photo Document			☒

Vehicle Communication and Telemetry

Item/Procedure	Readings / Specifications	Init
WX reporting	Temp=17.0°C, Press=1016.4mb, Wind Speed=1.26kn, Wind Dir=167.9°. Heading=330.9°	☒
UBLOX GPS	2018-08-21T18:38:55Z@36.8024035,-121.787572, lastRx=0.478s, quality=100, clockDt=0.650s	☒
Airmar GPS	2018-08-21T18:38:54.500Z@36.8023917,-121.7875933, lastRx=0.763s, quality=80, clockDt=1.151s	☒
Torpedo GPS	2018-08-21T18:38:47Z@36.8023548,-121.7875383, lastRx=8.396s, quality=65, clockDt=8.651s	☒
Water speed readings	Out of the water; Unknown speed; No NMEA sentences seen yet, powerState=ON, ampsPower=true, Requested by: pilotRequest	☒
Obstacle Avoidance Status	Disabled	☒
RDF beacon tested w/receiver		☐
Check alarms	"Out of bounds" red. All yellow/green	☒

Comments

G2 with sub and float gpctd plus D0
WBAT in aft payload pay with small transducer on skeg

Technician Signature: cwahl

Note: Once vehicle is launched the following tasks must be completed

1. Clear alarms
2. Log vehicle modifications in notebook

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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