

SV3-132: SV3 Pre-Launch Checklist

SV3 Pre-Launch Checklist

Date	2018-05-29T22:22:23.769Z	Glider Name	SV3-199056737(SV3-132)
Tech(s)	cwahl	Organization	MBARI
Payload(s)	s1, g2	Project	CANON
Ship/Op Area	Paragon MB	Location	Using GPSUblox declination=13.129111, 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 TALKING.(105/105 success rate) sleepTime=60000 p2	☒
WGMS Iridium	ON. 0 queued msgs (Max=1). Channel is TALKING. IMEI:300434060796780, consecutiveErrors=0,	☒
Vehicle telemetry received		☒
Tracker telemetry received	Battery (bars)15.6 Report Rate4 hours	☒

Configuration

Item/Procedure	Readings	Specifications	Initials
Topside RDF Frequency	n/a		☐
Hull RDF Frequency	n/a		☐
Tracker WGMS name	Sparky		☒
Drybox WGMS name	Sparky		☒
Float name	Sparky		☒
Glider name	Sparky v 200		☒
Thrudder 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	Initals
Battery [Wh] > 700 Wh	1539.692	☒
Solar Power Indicators: > 0	8.364 0.0 1.962 18.889	☒

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	36.2	119.9	Uptime: 0 days, 03:22:47	☒
Domain_Name=Bat-0x3333511437333030003c002d, Node=5, HW_SerNum=0x3333511437333030003c002d On=Y	OK	26.8	115.3	Uptime: 5 days, 22:14:55	☒
Domain_Name=Thrudder-2, Node=3, HW_SerNum=0x333451063030373500530054 On=Y	OK	21.8	168.2	Uptime: 0 days, 03:18:49	☒

Domain_Name=PyldInt-0x3333470c383233380023002e, Node=6, HW_SerNum=0x3333470c383233380023002e On=Y	OK	31.7	117.4	Uptime: 0 days, 00:14:04	☒

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(2018-05-29T22:22:21.664Z,desiredHeading=357.7,compass=47.6,rack=-12.9,post=-14.2rud	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 367766000 (RIV WESTERN FLYER). Pos=36.802410, -121.787043. t=33:0:UNDERWAY_EN	If in harbor, must see MMSI	☒
Photo Document			☒

Vehicle Communication and Telemetry

Item/Procedure	Readings / Specifications	Init
WX reporting	Temp=16.3°C, Press=1009.7mb, Wind Speed=4.92kn, Wind Dir=222.5°. Heading=23.4°	☒
UBLOX GPS	2018-05-29T22:22:25Z@36.8023513,-121.7871388, lastRx=0.358s, quality=100, clockDt=0.532s	☒
Airmar GPS	2018-05-29T22:22:24.600Z@36.8023383,-121.78715, lastRx=0.538s, quality=80, clockDt=0.933s	☒
Torpedo GPS	2018-05-29T22:22:18Z@36.802324,-121.7870742, lastRx=7.277s, quality=65, clockDt=7.533s	☒
Water speed readings	Out of the water; Unknown speed; Not yet running, powerState=OFF, ampsPower=false	☒
Obstacle Avoidance Status	Disabled	☒
RDF beacon tested w/receiver		☐
Check alarms	<input all="" green"="" red.="" type="text" value="Out of bounds" yellow=""/>	☒

Comments

Glider just upgraded to v200
s1 + HV Hotspot ver 2
G2 float GPCTD plus DO and Ecopuck

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*

Save & Submit

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