

SV3-121: SV3 Pre-Launch Checklist

SV3 Pre-Launch Checklist

Date	2016-10-27T21:33:14.103Z	Glider Name	SV3-1531399927(SV3-121)
Tech(s)	Cwahl	Organization	Mbari
Payload(s)	S1, s2 s3 g1	Project	Station m
Ship/Op Area	Mb	Location	Using GPSUblox declination=13.295402, 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 msgsg (Max=2147483647). Channel is WAITING.(no internet connectivity)	☒
WGMS Iridium	ON. 1 queued msgsg (Max=1). Channel is ATTEMPTING. IMEI:300434060771430, consecutiveErrors=9, sessionErr	☒
Vehicle telemetry received		☒
Tracker telemetry received	Battery (bars) 15 volts Report Rate 4 hrs	☒

Configuration

Item/Procedure	Readings	Specifications	Initials
Topside RDF Frequency	N/a		☒
Hull RDF Frequency	N/a		☒
Tracker WGMS name	SV3 spare		☒
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		Note area name(s) and enable alarms	☒
Escalation list created/populated			☒

Vehicle Status

Item/Procedure	Readings	Initials
Battery [Wh] > 700 Wh	883.31	☒
Solar Power Indicators: > 0	4.654 0.0 4.511	☒

Item/Procedure	Readings				
Domain Info	AMPS Hardware Status	Temperature (°C)	Pressure (kPa)	Hardware Uptime	Initials
Domain_Name=Host, Node=1, HW_SerNum=0x333451153936383700260039 On=Y	OK	22.0	114.5	Uptime: 0 days, 00:22:36	☒
Domain_Name=Thrudder, Node=3, HW_SerNum=0x3333470738373634002c001c On=Y	OK	19.4	153.7	Uptime: 0 days, 00:15:45	☒
Domain_Name=PyldInt-0x3332470932363032002b0025, Node=5, HW_SerNum=0x3332470932363032002b0025 On=Y	OK	20.3	119.7	Uptime: 0 days, 00:07:00	☒

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	☒
	Thrudder	Hardware secure	☒

Vehicle Functionality

Item/Procedure	Readings	Specifications	Initials
Thruster Spin	453.0	Spins freely, slow and fast speeds	☒
Rudder Range of Motion		Rudder moves freely and smoothly	☒
Rudder right, left, center	Rudder(2016-10-27T21:33:12.450Z,desiredHeading=243.3,compass=195.8,rack=13,post=15.3)	Right, Left, Center	☒
Thrudder Compass Correction	Thrudder 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	OK	Must Pass	☒
Octopus Cable 02	OK	Must Pass	☒
AIS Status	MMSI 367019310 (QUIN DELTA). Pos=36.805760, -121.785675. t=90:0:UNDERWAY_ENGINE, 2016-10-27T21:33:1	If in harbor, must see MMSI	☒
Photo Document			☒

Vehicle Communication and Telemetry

Item/Procedure	Readings / Specifications
WX reporting	Temp=13.8°C, Press=1014.3mb, Wind Speed=3.82kn, Wind Dir=143.9°. Heading=208.6°
UBLOX GPS	At [36.80233533, -121.78764450] @ 2016-10-27T21:33:15Z, quality=100
Airmar GPS	At [36.80231500, -121.78769333] @ 2016-10-27T21:33:13.500Z, quality=80
Torpedo GPS	At [36.80230572, -121.78764117] @ 2016-10-27T21:33:10Z, 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

Normal configuration with Lf modem locking pin guides repla

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*