SV3 Pre-Launch Checklist

Date	2015-09-01T22:30:06.420Z	Glider Name	SV3-794595959(Tiny)
Tech(s)	Chris Wahl	Organization	Mbari
Payload(s)	S1 hotspot, s2 ctd+do and sea	Project	Station m
Ship/Op Area	ML to station m	Location	Using GPSUblox declination=13.416196, failoverC

Software Information

Id	Tiny, Running Regulus software version of 2015-02-08T22:15:44.913Z, production build 65

Communication

Item/Procedure	Readings		Initials
WiFi Connection	WiFi is On		☑
Virtual Relay	ON. 0 queued msgs (Max=2147483647). Channel is WAITING.(53/59 success rate) sleepTime=300000 packetSize		☑
WGMS Iridium	ON. 1 queued msgs (Max=1). Channel is TALKING. IMEI:300434060708190, consecutiveErrors=0, sessionErrors=		☑
Vehicle telemetry received			☑
Tracker telemetry received	**Battery (bars)** **Report Rate**	15.55 wh 4 hrs?	☑

Configuration

Item/Procedure	Readings	Specifications	Initials
Topside RDF Frequency			☐
Hull RDF Frequency			☐
Tracker WGMS name	Tiny tracker		☑
Drybox WGMS name	Sv-011		☑
Float name	Tiny		☑
Glider name	Tiny		☑
Thrudder Serial Number	450021	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	784.655	☑
Solar Power Indicators: > 0	0.494 0.0 5.986 6.623	☑

Item/Procedure	Readings				
Domain Info	**AMPS Hardware Status**	**Temperature (°C)**	**Pressure (kPa)**	**Hardware Uptime**	**Initials**
Domain_Name=Host, Node=1, HW_SerNum=0x3132471639323739002d0037 On=Y	OK	33.4	123.2	Uptime: 0 days, 03:39:35	☑
Domain_Name=Thrudder, Node=3, HW_SerNum=0x3333511437333030004500 21 On=Y	OK	23.4	196.5	Uptime: 0 days, 03:32:52	☑

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	0.0	Spins freely, slow and fast speeds	☐
Rudder Range of Motion		Rudder moves freely and smoothly	☑
Rudder right, left, center	Rudder(2015-09-01T22:30:05.268Z,desiredHeading=239.9,compass=200.9,rack=19.9,post=18)	Right, Left, Center	☑
Thrudder Compass Correction	Thrudder 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 367766000 (WESTERN FLYER). Pos=36.802333, -121.787000. t=33:0:MOORED, 2015-09-01T22:30:01.533Z	If in harbor, must see MMSI	☑
Photo Document			☑

Vehicle Communication and Telemetry

Item/Procedure	Readings / Specifications
WX reporting	Temp=20.6°C, Press=1013.2mb, Wind Speed=1.95kn, Wind Dir=199.3°. Heading=222.9°
UBLOX GPS	At [36.80247467, -121.78706100] @ 2015-09-01T22:30:07Z, quality=100
Airmar GPS	At [36.80250167, -121.78709833] @ 2015-09-01T22:30:01.400Z, quality=80
Torpedo GPS	At [36.80248413, -121.78702837] @ 2015-09-01T22:30:02Z, 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	"Out of bounds" red. All yellow/green

Comments

```
Umbellical needs repair in places
```

Technician Signature: Chris wahl

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