

Tiny: SV3 Pre-Launch Checklist

SV3 Pre-Launch Checklist

Date	2016-06-27T16:14:11.554Z	Glider Name	SV3-794595959(Tiny)
Tech(s)	cwahl	Organization	Mbari
Payload(s)	S2, s3 and g2	Project	Bog time series
Ship/Op Area	Mb	Location	Using GPSUblox declination=13.331326, failoverC

Software Information

Id	Tiny, 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 msgs (Max=2147483647). Channel is TALKING.(7/23 success rate) sleepTime=300000 packetSize=	☒
WGMS Iridium	ON. 0 queued msgs (Max=1). Channel is TALKING. IMEI:300434060708190, consecutiveErrors=0, sessionErrors=	☒
Vehicle telemetry received		☒
Tracker telemetry received	Battery (bars) 15.8 v Report Rate 4 hrs	☒

Configuration

Item/Procedure	Readings	Specifications	Initials
Topside RDF Frequency	N/a		☐
Hull RDF Frequency	N/a		☐
Tracker WGMS name	Tiny tracker		☒
Drybox WGMS name	Tiny		☒
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	738.721	☒
Solar Power Indicators: > 0	11.491 0.0 5.41 12.196	☒

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	21.3	120.8	Uptime: 4 days, 00:07:03	☒
Domain_Name=Thruder, Node=3, HW_SerNum=0x3333470738373634002c001c On=Y	OK	16.7	149.5	Uptime: 3 days, 23:59:28	☒
Domain_Name=PydInt- 0x3332470932363032002b0025, Node=5, HW_SerNum=0x3332470932363032002b0025 On=Y	OK	18.5	118.4	Uptime: 3 days, 23:39:06	☒

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(2016-06-27T16:14:09.413Z,desiredHeading=59.8,compass=29.8,rack=20,post=16.5)	Right, Left, Center	☒
Thruder Compass Correction	Thruder compass is NOT corrected		☒
Fixed heading test (spin)	360	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 367458170 (F/V GREYBEARD). Pos=36.801125, -121.784270. t=30:0:NOT_DEFINED, 2016-06-27T16:14:06	If in harbor, must see MMSI	☒
Photo Document			☒

Vehicle Communication and Telemetry

Item/Procedure	Readings / Specifications
WX reporting	Temp=13.4°C, Press=1016.7mb, Wind Speed=4.14kn, Wind Dir=168.7°. Heading=47.3°
UBLOX GPS	At [36.80244133, -121.78713667] @ 2016-06-27T16:14:12Z, quality=100
Airmar GPS	At [36.80241500, -121.78717167] @ 2016-06-27T16:14:11.400Z, quality=80
Torpedo GPS	At [36.80258250, -121.78706915] @ 2016-06-27T16:14:05Z, quality=65
Water speed readings	Out of the water; Unknown speed; Not yet running
Obstacle Avoidance Status	Disabled
RDF beacon tested w/receiver	
Check alarms	"Out of bounds" red. All yellow/green

Comments

S2 ctd plus do
S3 pco2 and pH
G2 vr2c 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*

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