

Readme

SV3 Pre-Launch Checklist

Date	2026-02-10T00:25:44.589Z	Glider Name	SV3-466563798(SV3-110)
Tech(s)	cwahl	Organization	MBARI
Project	MBTS	Ship/Op Area	Paragon MB Bay

Software Information

Regulus Version	SV3-110, sn=466563798, Running Regulus 3.2.2, software version of 2019-12-03T23:58:34Z, production build 35, sv3, SOMDM3730-30-1880AKIR-A, (1.2.3) secure
Plugins	Running: AirmarWeather, GPSasRudderCompass, LogAlarmReporter, RudderParametersManager, ThrusterAdjuster Not running: PortForwarder, ThrudderDiagnosticsFixer

Communication

Item/Procedure	Readings	Comments	Initials
WiFi Connection	WiFi is On		☒
Virtual Relay	0 queued msgs state=WAITING, sent=0, received=0, powerState=OFF (3h48m58.556s), virtualDevice=true, powerThreadActive=false (no internet connectivity)	Still not working	☐
WGMS Iridium	IMEI:300434060354880, starts=1, r=0, w=195, sessionAttempts=219, sessionErrs=24, wErrs=0, rErrs=0, cErrs=0, 10m ss avg=4.4 (i=5), 0 queued msgs state=TALKING, sent=195, lastTx=21.345s, avgTxSize=189.7B, totalTx=32.005kB, received=0, powerState=ON (3h48m30.282s), virtualDevice=true, Requested by: iridiumModem, powerThreadActive=false	Going to LR domain, not MBARI	☒
Vehicle telemetry received	available channels=[tcpChannel, virtualRelay, iridiumModem]0 blocked messages, averageMessageQueueRate=1m14.861s, sent=195, totalBytesSent=32.005kB, received=0, ProtobufMessageHandler[header=BB,header=BC,active=true, #accepted=0, #handled=0],ProtobufMessageHandler[header=BB,header=BC,active=true, #accepted=0, #handled=0],secureComms[header=A9,active=true, #accepted=0, #handled=0],WGMSCommandHandler[header=0A,active=true]		☐
Location	Using GPSUblox, declination=12.423839, failoverCounter=1, timeLastSwitchedGps=2026-02-09T20:39:03Z, clockDt=2.294s		☒
Tracker telemetry received	Battery (Volts)	15.39 Volts	☒
	Report Rate	4 hours	

Configuration

Item/Procedure	Readings	Specifications	Comments	Initials
Tracker WGMS name	Tiny Tracker			☒
(Optional) Second Tracker Name				☐
Drybox WGMS name	SV3-110 Wave Glider Tiny			☒
Float name	Wave Glider Tiny Copper			☒
Glider name	Wave Glider Tiny v200			☒
Umbilical Length	4m			☒
G1	Ecopuck		Puck connector greased	☒
G2				☐
G3				☐
T1				☐
D1				☐
S1	Hotspot plus MF DAT			☒
S2	GPCTD plus DO			☒
S3	pCO2		pH not working	☒
S4	Airmar			☒
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	Comments	Initials
Battery [Wh] > 700 Wh	518.488		☒
Solar Power Indicators: > 0	0.486 0.0 1.691 2.369		☒

Item/Procedure	Readings				Comments	Initials
Domain Info	AMPS Hardware Status	Temperature (°C)	Pressure (kPa)	Hardware Uptime		
Domain_Name=Host, Node=1, HW_SerNum=0x32385119353634330055004a On=Y	OK	24.9	115.6	Uptime: 0 days, 03:54:28		☒
Domain_Name=Thruder-2, Node=3, HW_SerNum=0x474850052038384d0057002b On=Y	OK	17.6	226.6	Uptime: 0 days, 03:46:09		☒
Domain_Name=PydInt-0x33335114373330300043001a, Node=5, HW_SerNum=0x33335114373330300043001a On=Y	OK	20.8	113.7	Uptime: 0 days, 00:02:40		☒

Mechanical Checks

	Item/Procedure	Specifications	Comments	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	Inspect, note condition		☒
	Skeg/Fin	Secure		☒
Sub	Hardware secure			☒
	Umbilical visual inspection	Free of voids/defects		☒
	Umbilical ribbon cable inspection			☒
	Roll pins inserted	Flush with surface		☒
	Wings	Hardware secure with Loctite, lock nuts, and seizing wire		☒
	Thruder	Hardware secure		☒

Vehicle Functionality

Item/Procedure	Readings	Specifications	Comments	Initials
Thruster Spin	450.0	Spins freely, slow and fast speeds		☒
Rudder Range of Motion		Rudder moves freely and smoothly		☒
Rudder right, left, center	Rudder(2026-02-10T00:25:40.864Z,desiredHeading=248,compass=223.1,rack=11.5,post=14.4rudderStatu	Right, Left, Center		☒
Thruder Compass Correction	Thruder compass is corrected	recommended NOT corrected	LR says that this is okay	☐
Fixed heading test (spin)	180	Avoidance Off, Note Heading Used		☒
Waypoint course test (spin)	36.797, -121.847	Avoidance Off, Note Waypoint Course Used		☒
Buoy Release Mechanism	device is disarmed, deviceState=OFF, deployCounter=0, waitTime=1m30s, powerState=OFF (3h47m7.539s), ampsPower=false, powerThreadActive=false	Catch release buoy by hand	Not working... Troubleshoot.	☐
Octopus Cable 01	OK	Must Pass		☒
Octopus Cable 02	Failure	Must Pass	Not sure about this? Clean connectors	☐
AIS Status	lastSeen=MMSI 366934770 (NOAHS ARK). Pos=36.804715, -121.785162. t=30:0:FISHING, 2026-02-10T00:25:49.598Z, lengthErrs=0, latlonErrs=0, broadcastCount=2428, lastRx=2.881s, numberObserved=17, averageRxRateMillis=1.797s	If in harbor, must see MMSI		☒
Photo Document				☒

Vehicle Communication and Telemetry

Item/Procedure	Readings / Specifications	Comments	Initials
WX reporting	Temp=13.5°C, Press=1015.2mb, Wind Speed=2.49kn, Wind Dir=24.5°. Heading=231.4°		☒
UBLOX GPS	2026-02-10T00:25:55Z@36.8023398,-121.7871445,lastRx=0.334s, quality=100, timeout=1m, nmeaValid=true, clockDt=2.461s, lastValidFix=2026-02-10T00:25:55Z@36.8023398,-121.7871445, gpsWatchdogFailureCounter=0, ggaQCount=2=300,numSat=sma=9.87,std=0.34,min=9.00,max=10.00,n=300,hdop:sma=1.05,std=0.04,min=1.02,max=1.32,n=300,altitude:sma=0.48,std=1.19,min=-1.70,max=4.00,n=300		☒

Airmar GPS	2026-02-10T00:25:54.800Z@36.8023483,-121.7871383,lastRx=0.608s, quality=80, timeout=5m, nmeaValid=true, cLockDt=2.175s, lastValidFix=2026-02-10T00:25:54.800Z@36.8023483,-121.7871383, gpsWatchdogFailureCounter=0, ggaQCount:1=62,2=225,numSat:sma=8.01,std=2.04,min=3.00,max=9.00,n=287,hdop:sma=1.18,std=0.20,min=1.10,max=1.80,n=287,altitude:sma=13.34,std=3.22,min=6.10,max=20		☒
Torpedo GPS	Not Available!		☒
Water speed readings	Unknown speed; ncc=0, nci=0, tec=0, aip=0.00		☒
Obstacle Avoidance Status	Disabled		☒
Check alarms	"Out of bounds" red. All yellow/green		☒

General Comments

Technician Signature:

cwah1

- 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

Submit

Print

Clear User Input