

2026-07-06T23:26:41.753Z

SV3-038: SV3 Pre-Launch Checklist

Status Checklist Config Operate Setup Help

Readme

SV3 Pre-Launch Checklist

Date	2026-07-06T23:26:42.170Z	Glider Name	SV3-209609080 (SV3-038)
Tech(s)	cwahl	Organization	MBARI
Project	KBB Acoustics	Ship/Op Area	Paragon MB

Software Information

Regulus Version	SV3-038, sn=209609080, Running Regulus 3.2.2, software version of 2019-12-03T23:58:34Z, production build 35, sv3, SOMDM3730-32-1880AKIR-A, (1.2.3) secure
Plugins	Running: AirmarWeather, LogAlarmReporter, PortForwarder, RudderParametersManager, ThrusterAdjuster Not running: GPSasRudderCompass

Communication

Item/Procedure	Readings	Comments	Initials
WiFi Connection	WiFi is On		☒
Virtual Relay	0 queued msgs state=WAITING, sent=0, received=0, powerState=OFF (5d2h5m21.265s), virtualDevice=true, powerThreadActive=false (no internet connectivity)	Still not working	☐
WGMS Iridium	IMEI:300434060625300, starts=1, r=5, w=5203, sessionAttempts=6103, sessionErrs=550, wErrs=0, rErrs=0, cErrs=0, 10m ss avg=4.6 (i=5), 1 queued msgs state=TALKING, sent=5203, lastTx=0.930s, avgTxSize=141.9B, totalTx=807.401kB, received=5, lastRx=3h29m59.878s, totalRx=0.206kB, powerState=ON (5d2h4m53.377s), virtualDevice=true, Requested by: iridiumModem, powerThreadActive=false		☒
Vehicle telemetry received	available channels=[tcpChannel, virtualRelay, iridiumModem]0 blocked messages, totalMessagesDiscarded=247, averageMessageQueueRate=47.960s, sent=5203, totalBytesSent=807.401kB, received=5, totalBytesReceived=0.206kB, lastRx=3h29m59.909s, 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, #accepted=5, #handled=5, lastRx=rx=2026-07-		☒
Location	Using GPSUBlox, declination=12.385107, failoverCounter=1, timeLastSwitchedGps=2026-07-01T21:23:33Z, clockDt=2.687s		☒
Tracker telemetry received	Battery (Volts) Report Rate	15.9 volts 4 hours	☒

Configuration

Item/Procedure	Readings	Specifications	Comments	Initials
Tracker WGMS name	Hansen tracker			☒
(Optional) Second Tracker Name				☐
Drybox WGMS name	CCU SV3-038			☒
Float name	Hansen			☒
Glider name	Hansen			☒
Umbilical Length	4m			☒
G1				☐
G2				☐
G3	JRF APU			☒
T1				☐
D1				☐
S1				☐
S2				☐
S3				☐
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	1623.37		☒
Solar Power Indicators: > 0	4.16 0.0 4.129 4.178		☒

Item/Procedure	Readings				Comments	Initials
Domain Info	AMPS Hardware Status	Temperature (°C)	Pressure (kPa)	Hardware Uptime		
Domain_Name=Host, Node=1, HW_SerNum=0x333247093236303200430026 On=Y	OK	31.7	117.6	Uptime: 5 days, 02:10:00		☒
Domain_Name=Bat-0x33324703313238340031002d, Node=3, HW_SerNum=0x33324703313238340031002d On=Y	OK	31.6	118.4	Uptime: 5 days, 02:04:05		☒
Domain_Name=Thruder-2, Node=4, HW_SerNum=0x3437470330383638001f0033 On=Y	OK	22.6	267.7	Uptime: 5 days, 02:02:56		☒

Mechanical Checks

	Item/Procedure	Specifications	Comments	Initials
Float	Wet-mates connected/tubed	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	446.0	Spins freely, slow and fast speeds		☒
Rudder Range of Motion		Rudder moves freely and smoothly		☒
Rudder right, left, center	Rudder(2026-07-06T23:26:40.795Z,desiredHeading=360,compass=15.1,rack=-7.3,post=-9.2rudderStatus)	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 (5d2h2m57.097s), ampsPower=false, powerThreadActive=false	Catch release buoy by hand		☒
Octopus Cable 01	OK	Must Pass		☒
Octopus Cable 02	OK	Must Pass		☒
AIS Status	lastSeen=MMSI 338415000 (RACHEL CARSON). Pos=36.802567, -121.786787. t=90:0:MOORED, 2026-07-06T23:26:46.233Z, lengthErrs=13, latlonErrs=0, broadcastCount=61138, lastRx=0.508s, numberObserved=17, averageRxRateMillis=2.853s	If in harbor, must see MMSI		☒
Photo Document				☒

Vehicle Communication and Telemetry

Item/Procedure	Readings / Specifications	Comments	Initials
WX reporting	Temp=18.8°C, Press=1015.1mb, Wind Speed=2.53kn, Wind Dir=220.2°. Heading=328.5°		☒
UBLOX GPS	2026-07-06T23:26:49Z@36.802429,-121.7871253,lastRx=0.573s, quality=100, timeout=1m, nmeaValid=true, clockDt=2.229s, lastValidFix=2026-07-06T23:26:49Z@36.802429,-121.7871253, gpsWatchdogFailureCounter=0, ggaQCount:2=300,numSat:sma=10.34,std=0.56,min=9.00,max=11.00,n=300,hdop:sma=0.89,std=0.04,min=0.85,max=0.97,n=300,altitude:sma=3.54,std=1.09,min=1.00,max=5.50,n=300		☒
Airmar GPS	2026-07-06T23:26:49.130Z@36.802455,-121.7871367,lastRx=0.408s, quality=80, timeout=5m, nmeaValid=true, clockDt=2.347s, lastValidFix=2026-07-06T23:26:49.130Z@36.802455,-121.7871367, gpsWatchdogFailureCounter=0, ggaQCount:2=300,numSat:sma=9.95,std=0.21,min=9.00,max=10.00,n=300,hdop:sma=1.10,std=0.02,min=1.10,max=1.20,n=300,altitude:sma=8.09,std=0.86,min=6.50,max=9.40,n=300		☒
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

replaced first wing spring after spring broke.

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*

Submit

Print

Clear User Input