



SV3-038: SV3 Pre-Launch Checklist

Status Checklist Config Operate Setup Help

Readme

SV3 Pre-Launch Checklist

Date	2026-05-19T22:37:52.354Z	Glider Name	SV3-209609080 (SV3-038)
Tech(s)	cwahl	Organization	MBART
Project	KBB Bioacoustics	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 (1h1m44.009s), virtualDevice=true, powerThreadActive=false (no internet connectivity)	Still not working...	☐
WGMS Iridium	IMEI:300434060625300, starts=1, r=2, w=87, sessionAttempts=95, sessionErrs=7, wErrs=0, rErrs=0, cErrs=0, 10m ss avg=4.5 (i=5), 0 queued msgs state=TALKING, sent=87, lastTx=14.040s, avgTxSize=142.6B, totalTx=12.117kB, received=2, lastRx=38m22.125s, avgRxSize=39.0B, totalRx=0.076kB, powerState=ON (1h1m14.645s), virtualDevice=true, Requested by: iridiumModem, powerThreadActive=false		☒
Vehicle telemetry received	available channels=[tcpChannel, virtualRelay, iridiumModem]244 blocked messages, averageMessageQueueRate=45.520s, sent=87, totalBytesSent=12.117kB, received=2, totalBytesReceived=0.076kB, lastRx=38m22.121s, 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=2, #handled=2, lastRx-rx=2026-05-		☒
Location	Using GPSUblox, declination=12.397778, failoverCounter=1, timeLastSwitchedGps=2026-05-19T21:38:33.010Z, clockDt=4.594s		☒
Tracker telemetry received	Battery (Volts) Report Rate	15.7 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 Hansen			☒
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
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Battery [Wh] > 700 Wh	1047.571		☒
Solar Power Indicators: > 0	10.524 0.0 26.769 29.98		☒

Item/Procedure	Readings					
Domain Info	AMPS Hardware Status	Temperature (°C)	Pressure (kPa)	Hardware Uptime	Comments	Initials
Domain_Name=Host, Node=1, HW_SerNum=0x333247093236303200430026 On=Y	OK	26.8	115.9	Uptime: 0 days, 01:05:13		☒
Domain_Name=Thruder-2, Node=4, HW_SerNum=0x3437470330383638001f0033 On=Y	OK	24.7	277.8	Uptime: 0 days, 00:57:59		☒
Domain_Name=Bat-0x33324703313238340031002d, Node=5, HW_SerNum=0x33324703313238340031002d On=Y	OK	28.0	116.5	Uptime: 0 days, 00:57:16		☒

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	448.0	Spins freely, slow and fast speeds		☒
Rudder Range of Motion		Rudder moves freely and smoothly		☒
Rudder right, left, center	Rudder(2026-05-19T22:37:50.299Z,desiredHeading=356,compass=21,rack=-11.4,post=-14.3rudderStatus)	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 (59m17.264s), 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 368420000 (DAVID PACKARD). Pos=36.802423, -121.786585. t=00:0:MOORED, 2026-05-19T22:37:53.388Z, lengthErrs=1, latlonErrs=0, broadcastCount=1794, lastRx=2.065s, numberObserved=12, averageRxRateMillis=3.080s	If in harbor, must see MMSI		☒
Photo Document				☒

Vehicle Communication and Telemetry

Item/Procedure	Readings / Specifications	Comments	Initials
WX reporting	Temp=19.3°C, Press=1013.5mb, Wind Speed=1.89kn, Wind Dir=70.6°. Heading=327.1°		☒
UBLOX GPS	2026-05-19T22:38Z@36.802411,-121.7871472,lastRx=0.332s, quality=100, timeout=1m, nmeaValid=true, clockDt=4.525s, lastValidFix=2026-05-19T22:38Z@36.802411,-121.7871472, gpsWatchdogFailureCounter=0, ggaQCount=2=300, numSat=sma=9.36,std=0.48,min=9.00,max=10.00,n=300,hdop=sma=0.96,std=0.05,min=0.85,max=1.24,n=300,altitude=sma=1.10,std=0.64,min=0.40,max=2.40,n=300		☒
Airmar GPS	2026-05-19T22:37:59.600Z@36.802405,-121.7871167,lastRx=0.776s, quality=80, timeout=5m, nmeaValid=true, clockDt=4.111s, lastValidFix=2026-05-19T22:37:59.600Z@36.802405,-121.7871167, gpsWatchdogFailureCounter=0, ggaQCount=2=300, numSat=sma=6.00,std=0.00,min=6.00,max=6.00,n=300,hdop=sma=5.00,std=0.06,min=4.90,max=5.10,n=300,altitude=sma=2.06,std=1.08,min=0.30,max=4.00,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

Three Wave Gliders out this week!

Technician Signature:

Note: Once vehicle is launched the following tasks must be completed

1. Clear alarms

2. Log vehide 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