

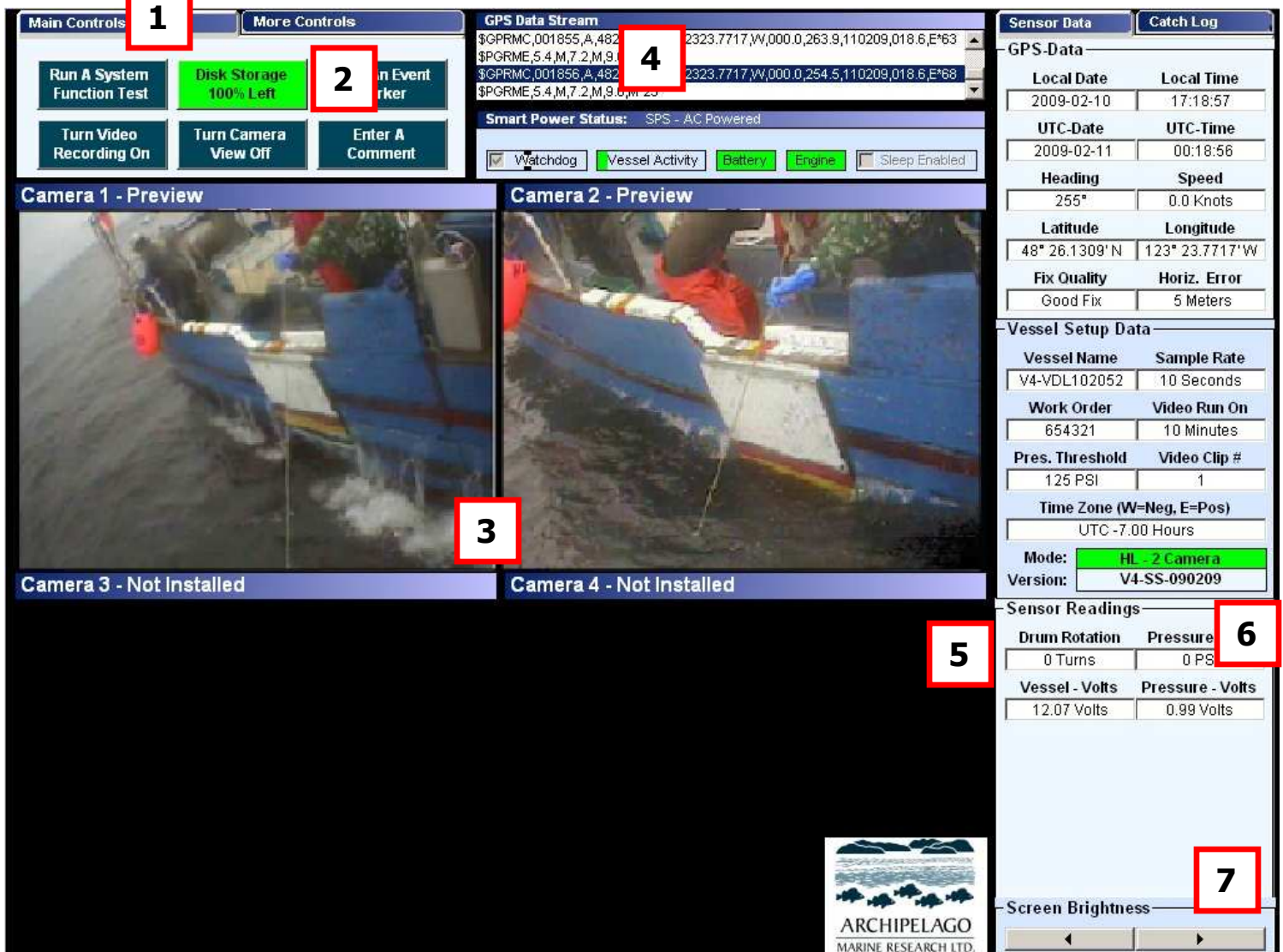
Electronic Monitoring System User Quick Reference Guide

Operator Responsibilities

- Ensure the EM System is continuously powered from hail out to data retrieval.
- Inspect the EM System periodically to ensure that all components are securely mounted and free from damage.
- Clean the lens dome of cameras with a clean, wet, soft cloth as necessary.
- During night fishing operations, ensure the camera field of view is well lit to enable clear and accurate recording of imagery.
- Monitor functionality of system (see reverse).

System Status Screen

See reverse for explanation of numbered areas



The screenshot displays the system's main interface with several key sections:

- 1**: Main Controls panel containing buttons for 'Run A System Function Test', 'Disk Storage 100% Left', 'Turn Video Recording On', 'Turn Camera View Off', and 'Enter A Comment'.
- 2**: 'More Controls' panel with an 'Enter Event Marker' button.
- 3**: Camera preview windows for 'Camera 1 - Preview' and 'Camera 2 - Preview', with 'Camera 3 - Not Installed' and 'Camera 4 - Not Installed' below them.
- 4**: GPS Data Stream showing coordinates and status.
- 5**: Smart Power Status section with indicators for Watchdog, Vessel Activity, Battery, Engine, and Sleep Enabled.
- 6**: Sensor Readings table showing Drum Rotation (0 Turns), Pressure (0 PS), Vessel - Volts (12.07 Volts), and Pressure - Volts (0.99 Volts).
- 7**: Screen Brightness control at the bottom right.

\$GPRMC,001855,A,482	2323.7717,W,000.0,263.9,110209,018.6,E'63
\$PGRME,5.4,M,7.2,M,9.1	
\$GPRMC,001856,A,482	2323.7717,W,000.0,254.5,110209,018.6,E'68
\$PGRME,5.4,M,7.2,M,9.1	

Local Date	Local Time
2009-02-10	17:18:57
UTC-Date	UTC-Time
2009-02-11	00:18:56
Heading	Speed
255°	0.0 Knots
Latitude	Longitude
48° 26.1309' N	123° 23.7717' W
Fix Quality	Horiz. Error
Good Fix	5 Meters

Vessel Name	Sample Rate
V4-VDL102052	10 Seconds
Work Order	Video Run On
654321	10 Minutes
Pres. Threshold	Video Clip #
125 PSI	1
Time Zone (W=Neg, E=Pos)	
UTC -7.00 Hours	
Mode:	HL - 2 Camera
Version:	V4-SS-090209

Drum Rotation	Pressure
0 Turns	0 PS
Vessel - Volts	Pressure - Volts
12.07 Volts	0.99 Volts

System Monitoring

Vessel personnel should frequently monitor the system via the video monitor.

Function Test: Run test daily prior to fishing to ensure system is working correctly. Each time a test is run it creates a record.

1. Select the **Run A System Function Test** **1** button on the Main Controls tab. Tests can not run while video is being recorded.
2. Read the pop up messages, instructions, and questions on the right side of the screen.
3. Answer each question by selecting **Yes** or **No**.
4. If the test fails, check the troubleshooting tips. If the problem persists, call the number below.

Video Storage: **2** Ensure there is enough disk space remaining to record your trip.

Camera Views: Ensure all camera views are displayed. **3**

- The label on the camera view will turn from **Preview (blue)** to **Recording (red)** during fishing events.
- There will always be 4 camera windows shown but you will only see views for the number of cameras you have installed (e.g. 2 cameras installed = 2 views and 2 black screens Camera - Not Installed).

GPS: Check the **GPS Data Stream** box. **4**

- The GPS data should be constantly scrolling.
- If the GPS is not functional, the Data Stream box turns red.

Drum Rotation: Only displays **5** readings when the drum is active.

- Check that it reads **0 Turns** with no activity.

Pressure: **6** Will have a PSI reading below the setting/hauling threshold (could be zero).

- When setting/hauling, check for pressure activity (PSI should be above threshold pressure).
- **Pressure – Volts** (when not hauling) should read between 0.5 and 1.0 volts.

Screen Brightness: **7**

- Monitor dims and brightens automatically depending on the time of day.
- Brightness can be adjusted manually by using the arrows.

EM Equipment Emergency Support
1-250-383-3203

Please only use this number if having equipment issues at-sea