APPENDIX D

# Sample Calibration Report

## CALIBRATION REPORT

## System#: _____

| Signed Out Date: | Signed Off By: | First Project Name/Number | Project Manager: | Signed In Date: |
|---|---|---|---|---|
| | | | | |
| | | | | |

### CALIBRATION CERTIFICATION

I certify that the testing and calibration of this system has been performed in accordance with customary procedures and that this system meets required performance specifications unless noted otherwise.

_____ _____

Authorized Calibration Engineer Date

## MLS SYSTEM CONFIGURATION

**REPORT BY:** _____

**Date[yyyy/mm/dd]:** ____ /___ /____

**COMPUTER RACK DESCRIPTION:**

| | |
|---|---|
| **Logging CPU** Number _____<br>S/N _____<br>P/N _____<br>Disk (GB) _____ | **Nav CPU** Number _____<br>S/N _____<br>P/N _____<br>Disk (GB) _____ |
| **Monitor** S/N _____ P/N _____ | **Keyboard** S/N _____ P/N _____ |
| **GPS Model** _____ **GPS Firmware:** _____<br>**GPS S/N** _____ **Antenna S/N**: _____ | |
| **DMI Model** _____ **Install Location:**_____<br>**DMI S/N** _____ | |

**INSTRUMENT PLATE DESCRIPTION:**

| Type of Plate | | Plate Number | |
|---|---|---|---|
| **Laser #1 Model** | Unit #: _____ | S/N _____ | |
| **Laser #2 Model** | Unit #: _____ | S/N _____ | |
| **IMU Model** | Unit #: _____ | S/N _____ | |
| **Camera #1 Model** | Unit #: _____ | S/N _____ | Lens#:_____ |
| **Camera #2 Model** | Unit #: _____ | S/N _____ | Lens#:_____ |
| **Pod Type:** | | | |

## Installation Notes

## Installation Diagram

## *IMU to Laser #1 Boresights*

| Boresight Component | Angle (degrees) | Estimated Accuracy (1σ, meters) | Date | Computation Method |
|---|---|---|---|---|
| **Roll** | | | | |
| **Pitch** | | | | |
| Yaw | | | | |

## *IMU to Laser #1 Offsets (IMU-Laser)*

| Offset Component | Value (meters) | Estimated Accuracy (1σ, meters) | Date | Computation Method |
|---|---|---|---|---|
| **X** | | | | |
| **Y** | | | | |
| Z | | | | |

## *IMU to Laser #2 Boresights*

| Boresight Component | Angle (degrees) | Estimated Accuracy (1σ, meters)) | Date | Computation Method |
|---|---|---|---|---|
| **Roll** | | | | |
| **Pitch** | | | | |
| Yaw | | | | |

## *IMU to Laser #2 Offsets (IMU-Laser)*

| Offset Component | Value (meters) | Estimated Accuracy (1σ, meters) | Date | Computation Method |
|---|---|---|---|---|
| **X** | | | | |
| **Y** | | | | |
| Z | | | | |

## *IMU to Camera #1 Boresights*

| Boresight Component | Angle (degrees) | Estimated Accuracy (1σ, meters) | Date | Computation Method |
|---|---|---|---|---|
| **Roll** | | | | |
| **Pitch** | | | | |
| Yaw | | | | |

## *IMU to Camera #1 Offsets (IMU-Camera)*

| Offset Component | Value (meters) | Estimated Accuracy (1σ, meters) | Date | Computation Method |
|---|---|---|---|---|
| **X** | | | | |
| **Y** | | | | |
| Z | | | | |

## *IMU to Camera #2 Boresights*

| Boresight Component | Angle (degrees) | Estimated Accuracy (1σ) (meters) | Date | Computation Method |
|---|---|---|---|---|
| **Roll** | | | | |
| **Pitch** | | | | |
| Yaw | | | | |

## *IMU to Camera #2 Offsets (IMU-Camera)*

| Offset Component | Value (meters) | Estimated Accuracy (1σ) (meters) | Date | Computation Method |
|---|---|---|---|---|
| **X** | | | | |
| **Y** | | | | |
| Z | | | | |

## *IMU to GPS Offsets (IMU-GPS)*

| Offset Component | Value (meters) | Estimated Accuracy (1σ) (meters) | Date | Computation Method |
|---|---|---|---|---|
| **X** | | | | |
| **Y** | | | | |
| Z | | | | |

## *IMU to DMI Offsets (IMU-DMI)*

| Offset Component | Value (meters) | Estimated Accuracy (1σ) (meters) | Date | Computation Method |
|---|---|---|---|---|
| **X** | | | | |
| **Y** | | | | |
| Z | | | | |