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| **Table 4.1. Pre-flight Operations Plan** | **Contents** | **Format** |
| Flight Operations Plan | •  Planned flight lines SHP file  • Planned GPS stations MIMN, MIOG, MITC, SUP2, WIM5  • Planned control GCPs Folder  • Planned airport locations KGRB  • Calibration plans IN FLIGHTPLAN  • Quality procedures for flight crew (project-related for pilot and operator) No collection in precip, on the fly Swath check  • Planned scanset (sensor settings and altitude) FP Jpeg  • Type of aircraft Piper PA-23 AZTEC  • Procedure for tracking, executing, and checking reflights CHECK SWATH DATA IN FIELD AND SEND SWATHS TO PICTOMETRY FOR REVIEW  • Considerations for terrain, cover, and weather in project CREW CONSTANTLY MONITORING WEATHER, DEM IMPORTED INTO FLIGHTPLAN TO CHECK FOR ELEVATION CONCERNS | MS Word or PDF |

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| **Table 4.2. Post-flight Aerial Acquisition and Calibration Report**  **Item** | **Contents** | | **Format** |
| GPS Base station info | •  Base station name  • Latitude/Longitude (ddd-mm-ss.sss)  • Base height (Ellipsoidal meters)  • Maximum Position Dilution of Precision PDOP  • Map of locations WIKEWA Bases KMZ | | Excel, TXT, MS Word, or PDF for data; ESRI shape file for map of locations (data and info may be in attribute table) |
| GPS/IMU processing summary | •  Max Horizontal GPS Variance (cm)  • Max Vertical GPS Variance (cm)  • Notes on GPS quality (High, Good, etc.)  • GPS separation plot  • GPS altitude plot  • PDOP plot  • Plot of GPS distance from base station/s | | MS Word or PDF with screenshots |
| Coverage | •  Verification of project coverage WIKEWA Coverage shp | | ESRI shape files reflecting the actual coverage area and not the applicable tiles. |
| Flights | •  As-flown trajectories  • Calibration lines | | ESRI shape files |
| Flight logs | | •  Incorporated as appendix  Should include:  • Job # / name  • Lift #  • Block or AOI designator  • Date  • Aircraft tail number, type  • Flight line, line #, direction, start/stop, altitude, scan angle/rate, speed, conditions, comments  • Pilot name  • Operator name  • AGC switch setting  • Laser pulse rate  • Mirror rate  • Field of view  • Airport of operations  • GPS base station names or numbers  Comments | |
| Control | •  Ground control and base station layouts | | ESRI shape files |
| Data verification/QC | • Opened each individual tile and made manual corrections where necessary.  Description of data verification/QC process  • Results of verification and QC steps | | MS Word, Excel or PDF |
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