

7. Options

7.1 High Resolution Areas

If this option is chosen for an AOI the area will be imaged at 6 inch resolution, rather than 12 inch resolution. The minimum size of a High Resolution Area (HRA) is 10 square miles.

Data Collection in the HRAs shall occur at 15 cm GSD $\pm 10\%$.

Processed images for the HRAs shall be sampled at a GSD, which is TBD between 15 cm and 6 inches. The customer may specify whichever value is preferred at the time of ordering.

HRAs in high density urban areas shall be collected with 80% in-track overlap and 60% sidelap. This results in reduced building lean in these areas.

Partner to provide map or shapefile defining HRA areas.

7.2 Six Inch Resolution Upgrade (100% of AOI)

If this option is chosen for an AOI, 100% of the AOI's land area will be imaged at 6 inch resolution, rather than 12 inch resolution.

Processed images with the Six Inch Upgrade shall be sampled at a GSD, which is TBD between 15 cm and 6 inches. The customer may specify whichever value is preferred at the time of ordering.

Images in high density urban areas with the Six Inch Upgrade shall be collected with 80% in-track overlap and 60% sidelap. This results in reduced building lean in these areas.

Six inch AOI's shall meet the same Image Quality requirements as 12 inch AOI's.

7.3 Near Infrared Color Band (100% of AOI)

If this option is chosen, a fourth color band similar to the Landsat near infrared band in spectral characteristics shall be provided with the ortho-imagery mosaics. The near infrared band is useful for terrain categorization and detection and classification of vegetation.

7.4 Updated DEM (100% of AOI)

If this option is chosen for an AOI, the updated DEM resulting from image feature correlation processing and any DEM editing performed will be supplied to the customer for the AOI. The DEM supplied will be the DEM used to produce the orthoimagery for the AOI.