

Overlap

The following steps are used to determine if there is adequate overlap to produce stereoscopic coverage. Overlap shall not be less than 55 percent or more than 65 percent and shall average 60 percent. Side-lap shall not be less than 20 percent or more than 40 percent and shall average 30 percent. Tri-lap of the mapping area shall be maintained across the project.

1. With the use of a template, the overlap of each flight line will be determined visually. Tri-lap (coverage on three consecutive exposures) will also be determined visually.
2. Side-lap for parallel flight lines will be checked visually.
3. When the overlap, side-lap and/or tri-lap do not meet specifications, the aerial photography coordinator will be notified, and a determination will be made to accept or reject the photography. If the photography is rejected, the location will be reflown.

Crab

The following steps are used to determine if the crab (wind correction angle) is within specifications. Crab shall not exceed 3 degrees for any photograph and shall average 1 degree for each flight line.

1. Each flight line will be visually inspected for excessive crabbing with the aid of a template.
2. If there is a question to the amount of crab then prints of the affected exposures will be made and the actual crab will be plotted on the prints.
3. When the amount of crab exceeds specifications, the aerial photography coordinator will be notified, and a determination will be made to accept or reject the photography. If the photography is rejected, the location will be reflown.

Scale

The following steps are used to determine if the scale is correct and within specifications for the project. Actual scale shall not deviate from the specified scale by more than 5 percent high or low.

1. Each flight line will be inspected visually for proper scale. A template is used to determine proper photo coverage for a given scale.
2. If there is a question of proper scale, then the actual photo scale will be calculated.
3. When the scale is incorrect or does not meet specifications, the aerial photography coordinator will be notified, and a determination will be made to accept or reject the photography. If the photography is rejected, the location will be reflown.