

Sec. 10.12 *Airborne GNSS

1. Airborne GNSS techniques can be used to acquire supplemental control for use on photogrammetric projects.
2. It is important to maintain Reference Base Stations over known control points during the duration of the flight.
3. These Reference Stations should be spaced 10 to 25 kilometers from the project. The entire project should be reachable within this range.
4. The range of 10 to 25 kilometers should be scrutinized keeping in mind the accuracy needs of the project. A general rule of thumb, under optimal conditions, would be about 1 cm of residual per 10 kilometers of baseline distance. Bear in mind, there usually are other factors involved that could result in an increase in your residual values. i.e. a poor GDOP value
5. If multiple Reference Stations are required, then no part of the project should be farther than 10 to 25 kilometers from at least one of the Reference Stations.
6. Reference Stations as well as Rovers should be set to collect one second epoch data.

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