



**Data Collection & Product Report for 2017 Mapping:
San Andreas Fault, Creeping Section, CA**

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Data Collection Summary:

Collection Dates, Flights:	1 flight on August 22, 2017 (DOY 234)
Aircraft, Equipment:	Robinson R44 II (N7195J), RIEGL VQ-580 (S9999060)
Flight Plan Parameters:	Flying Height: 450 m AGL, Speed: 60 kt, Overlap: 50%
Equipment Parameters:	Pulse Rate: 300 kHz, Scan Rate: 91 Hz, Scan Angle: $\pm 30^\circ$
Collected Area:	29.8 km ²

GNSS Reference Station Summary:

Station Name	Operating Agency	Coordinates (IGS08 epoch 2017.6406 / Ellipsoid)
KKIC	NCALM	36°13'31.84057" N, 121°7'8.19908" W, 81.111 m

Data Processing Summary:

Data Adjustments:	Project-wide roll, pitch, heading adjustment / select line-by-line elevation correction
Ground Classification:	2 iterations of moderate ground determination, manual classification of misclassified ground

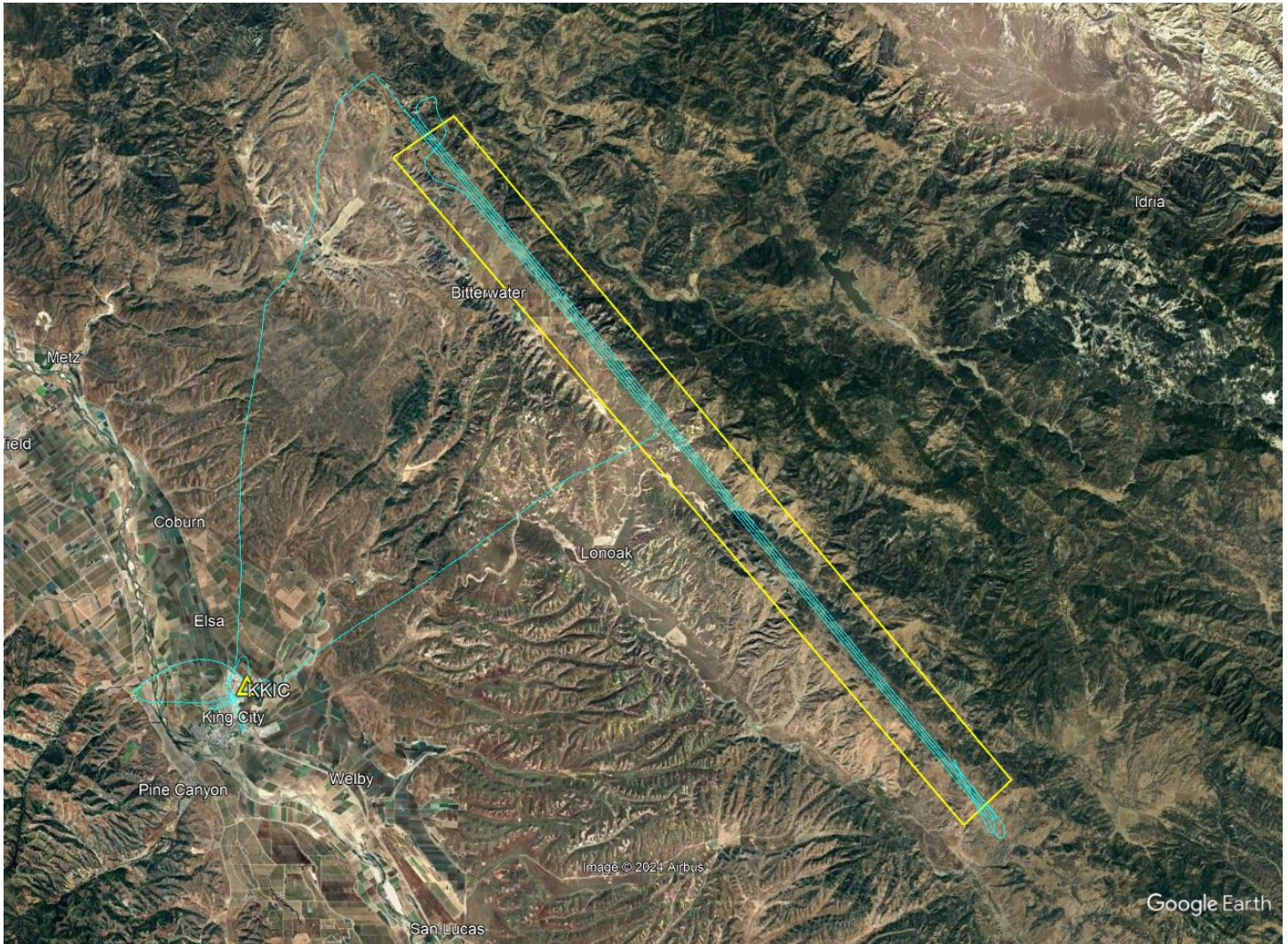
Data Accuracy Summary:

Strip-to-Strip Average:	0.04–0.06 m
GCP Residual RMS:	N/A

Data Product Summary:

Horizontal / Vertical Datum:	WGS 84 (based on IGS08 epoch 2017.6406) / ellipsoid
Projection / Units:	UTM Zone 10N / meters
Point Cloud Tiles:	1000-m \times 1000-m tiles in LAS format (Version 1.4) with non-ground (1), ground (2), and noise (7) returns

Area of Interest:



Location of survey area of interest, aircraft trajectory, and GNSS reference station

The requested survey area consisted of one section of the San Andreas Fault, located northeast of King City, CA.