

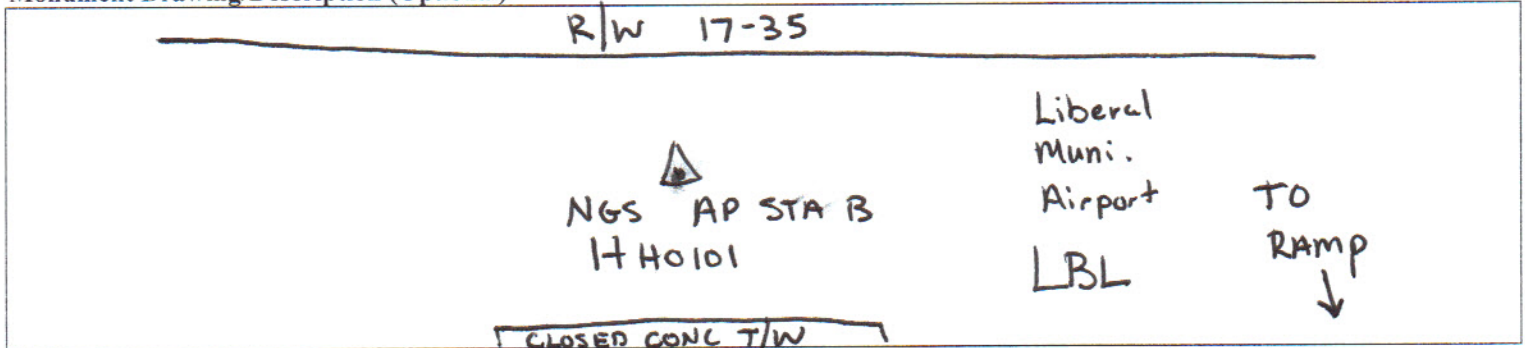


Date (mm/dd/yyyy):	1-19, 1-20, 1-21 -2012	LiDAR Mission(s):	019, 020, 021
Project:	2331 Kansas	Observer:	M SUTTON

Antenna Formulas

4000SSi / 4000SSE Compact L1/L2	Bottom of notch in antenna flange = $0.0069 + (h^2 - (0.0915)^2)^{1/2}$
Trimble 5700 Zephyr (small)	Top of notch in antenna flange = $0.0073 + (h^2 - (0.0937)^2)^{1/2}$
Trimble 5700 Zephyr Geodetic (large)	Bottom of notch in antenna flange = $0.00891 + (h^2 - (0.16981)^2)^{1/2}$
Novatel DL	Top edge of tape notch = $0.015 + (h^2 - (0.96)^2)^{1/2}$
Novatel DL4	Top edge of tape notch = $0.025 + (h^2 - (0.1)^2)^{1/2}$

Monument Drawing/Description (Optional)



LiDAR BASESTATION ANTENNA INFORMATION

Receiver Serial #: 0004	File Name: 00040190	
Code: 900	Description: NGS HH0101	Session: 01
Stamping: AP STA B	PID: BRASS DISC IN CONC	Start (UTC): 22:49 1-19
		End (UTC): 13:52 1-20

Measurements

_____ " _____ m Uncorrected True Vertical Fixed Height Tripod = 2 02:55 meters
 _____ feet → _____ m → (mean) meters → _____ meters

Receiver Serial #: 0004	File Name: 00040200	
Code:	Description: NGS	Session: 01
Stamping:		Start (UTC): 14:24 1-20
PID:		End (UTC): 13:52 1-21

Measurements

_____ " _____ m Uncorrected True Vertical Fixed Height Tripod = 2 meters Ran All night
 _____ feet → _____ m → (mean) meters → _____ meters

Receiver Serial #: 0004	File Name: 00040210	
Code:	Description: NGS	Session: 01
Stamping:		Start (UTC): 13:55 1-21
PID:		End (UTC): 13:47 1-22

Measurements

_____ " _____ m Uncorrected True Vertical Fixed Height Tripod = 2 meters
 _____ feet → _____ m → (mean) meters → _____ meters

Code: Numbering Convention: begin with 501, 701, 801, 901

1- 499: paneled points	800 series: NGS vertical only
500 series: Sanborn set for base	900 series: NGS horiz. and vertical
700 series: NGS Horizontal only	1' = 0.3048 m; 1" = 0.0254 m

Description Examples: 12" spike, 6" spike, rebar, pk nail, mag nail, Disc in concrete, rod in sleeve, Disc in seawall, etc. **AND INCLUDE** Airport name if monument at airport