

LiDAR BASESTATION LOG V1 06/06/07



Date (mm/dd/yyyy): 02-18, 02-19, 02-20 - 2012	LiDAR Mission(s): 18-A
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 DE4	Top edge of tape notch = $0.025 + (h^2 - (0.1)^2)^{1/2}$

Monument Drawing/Description (Optional)

R101 SPIKE

LiDAR BASESTATION ANTENNA INFORMATION

Receiver Serial #: **0010**

File Name: **00100490**

Code:	Description:	Session:	
Stamping:	R101 SPIKE	Start (UTC): 13:05	2-18
PID		End (UTC): 12:01	2-19

Measurements

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

Receiver Serial #: **0010**

File Name: **00100500**

Code:	Description:	Session:	
Stamping:	R101	Start (UTC): 12:03	2-19
PID		End (UTC): 12:05	2-20

Measurements

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

Receiver Serial #: **0010**

File Name: **00100510**

Code:	Description:	Session:	
Stamping:	R101	Start (UTC): 12:08	2-20
PID		End (UTC): 20:48	2-21

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