

LiDAR BASESTATION LOG V1 06/06/07

SANBORN

Date (mm/dd/yyyy): 02-27-2012	LiDAR Mission(s):
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)

DIGHTON SPIKE

LiDAR BASESTATION ANTENNA INFORMATION

Receiver Serial #: 90004	File Name: 00040580	
Code:	Description:	Session: 01
Stamping:	DIGHTON SPIKE	Start (UTC): 15:56 2-27
PID		End (UTC): WIND KNOCKED 2-28

Measurements

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

Receiver Serial #: 90004	File Name: 00040600	
Code:	Description:	Session: 01
Stamping:	SPIKE	Start (UTC): 15:47 2-29
PID		End (UTC): 14:10 3-1

Measurements

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

Receiver Serial #: 90004	File Name: 00040610	
Code:	Description:	Session: 01
Stamping:	DIGHTON SPIKE	Start (UTC): 14:15 3-1
PID		End (UTC): 16:16 3-2

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