

**LiDAR BASESTATION LOG V1 06/06/07**

SANBORN

Date (mm/dd/yyyy): <b>02-24, 02-25-2012</b>	LiDAR Mission(s): <b>24-A-SN49, 24-ARC-SN40</b>
Project: <b>2331 Kansas</b>	Observer: <b>M. SUTTON</b>

**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 = $0.00891 + (h^2 - (0.16981)^2)^{1/2}$
<u>Novatel DL4</u>	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)**

GCK SPIKE

**LiDAR BASESTATION ANTENNA INFORMATION**

**Receiver Serial #: 0011**      **File Name: 00110550**

Code:	Description:	Session:	
Stamping:	SET SPIKE	Start (UTC):	15:34 2-24
PID		End (UTC):	12:43 2-25

Measurements

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

**Receiver Serial #: 0010**      **File Name: 00110560**

Code:	Description:	Session:	
Stamping:	SPIKE	Start (UTC):	12:49 2-25
PID		End (UTC):	

Measurements

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

**Receiver Serial #:**      **File Name:**

Code:	Description:	Session:
Stamping:		Start (UTC):
PID		End (UTC):

Measurements

\_\_\_\_\_ "      \_\_\_\_\_ m      Uncorrected      True Vertical      Fixed Height Tripod = \_\_\_\_\_ 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