

LiDAR BASESTATION LOG V1 06/06/07

SANBORN

Date (mm/dd/yyyy): <u>2-24, 2-25-2012</u>	LiDAR Mission(s): <u>24-BC-SN40</u>
Project: <u>2331</u>	Observer: <u>M. SUTTON</u>

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 = $0.015 + (h^2 - (0.96)^2)^{1/2}$
<u>Novatel DL4</u>	Top edge of tape notch = $0.025 + (h^2 - (0.1)^2)^{1/2}$

Monument Drawing/Description (Optional)

8k8
Existing #5 rebar

LiDAR BASESTATION ANTENNA INFORMATION

Receiver Serial #: 90004 File Name: 00090550

Code:	Description:	Session: <u>01</u>
Stamping:	<u>rebar</u>	Start (UTC): <u>16:11</u> 2-24
PID		End (UTC): <u>13:18</u> 2-25

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

Receiver Serial #: 90004 File Name: 00040560

Code:	Description:	Session: <u>01</u>
Stamping:	<u>rebar</u>	Start (UTC): <u>13:20</u> 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