

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



Date (mm/dd/yyyy): <b>02-16, 02-17-2012</b>	LiDAR Mission(s): <b>16-A, 17-AB</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 = $0.00891 + (h^2 - (0.16981)^2)^{1/2}$
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)**

**Q 99**  
**NGS**  
**JH0231**

**LiDAR BASESTATION ANTENNA INFORMATION**

Receiver Serial #: <b>0003</b>		File Name: <b>00030470</b>	
Code:	Description:	Session:	
Stamping: <b>Q99</b>	<b>NGS JH0231</b>	Start (UTC): <b>12:28</b>	<b>2-16</b>
PID		End (UTC): <b>13:26 +</b>	<b>2-17</b>

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

Receiver Serial #: <b>0003</b>		File Name: <b>00030480</b>	
Code:	Description:	Session:	
Stamping: <b>Q99</b>	<b>JH0231</b>	Start (UTC): <b>13:28</b>	<b>2-17</b>
PID		End (UTC): <b>12:39 +</b>	<b>2-18</b>

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