

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



Date (mm/dd/yyyy): <b>02-16, 02-17, 02-18-12</b>	LiDAR Mission(s): <b>16-A, 17-AB, 18-A</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)**

K556

**LiDAR BASESTATION ANTENNA INFORMATION**

Receiver Serial #: <del>0005</del> <b>90004</b>	File Name: <del>0005</del> <b>00090470</b>	
Code:	Description:	Session: <b>01</b>
Stamping:	<b>NGS Rod in Sleeve</b>	Start (UTC): <b>12:30</b> <sup>+</sup> <b>2-16</b>
PID		End (UTC): <b>12:40</b> <b>2-17</b>

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

Receiver Serial #: <b>0005</b>	File Name: <b>00050480</b>	
Code:	Description:	Session: <b>01</b>
Stamping:	<b>NGS Rod in Sleeve</b>	Start (UTC): <b>12:41</b> <b>2-17</b>
PID		End (UTC): <b>12:26</b> <sup>+</sup> <b>2-18</b>

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

Receiver Serial #: <b>0005</b>	File Name: <b>00050490</b>	
Code:	Description:	Session: <b>01</b>
Stamping:	<b>NGS Rod in Sleeve</b>	Start (UTC): <b>12:30</b> <sup>+</sup> <b>2-18</b>
PID		End (UTC): <b>12:37</b> <b>2-19</b>

*Measurements*  
 \_\_\_\_\_ " \_\_\_\_\_ m Uncorrected True Vertical Fixed Height Tripod = **2** meters *all nite*  
 \_\_\_\_\_ 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