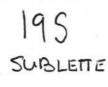
## LIDAR BASESTATION LOG V1 06/06/07

Date (mm/dd/yyyy): 02-26-12	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 = $0.00891 + (h^2 - (0.16981)^2)^{1/2}$
NovateLDE	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)



## LIDAR BASESTATION ANTENNA INFORMATION

<b>Reciever Serial #</b>	: 0004	File Name: 00040	570
Code:		Description:	Session: 01
Stamping:		SPIKE 195	Start (UTC): 16:28 2-
PID			End (UTC): 13:21 2-
<u>Measurements</u>		_ m Uncorrected True Vertical Fixed meters → meters	
Reciever Serial #		$ \underline{\ \ } m \rightarrow (mean) \xrightarrow{\text{Irue Vertical}} meters \xrightarrow{\text{Irue Vertical}} meters \xrightarrow{\text{meters}} mathrm{Fixed} \xrightarrow{\text{Fixed}} meters \xrightarrow{\text{meters}} mathrm{Fixed} \text{met$	580
Code:		Description:	Session: 01
Stamping:		SPIKÉ	Start (UTC): 13:24 2-
PID			End (UTC):
Measurements			
Measurements Reciever Serial #	″		Height Tripod =meters
Reciever Serial #		meters → meters	Height Tripod =meters
Reciever Serial # Code:		$m \rightarrow (mean)$ meters $\rightarrow$	Height Tripod = <u>2</u> meters Session: <u>6</u>
<b>Reciever Serial #</b> Code: Stamping:		$m \rightarrow (mean)$ meters $\rightarrow$	Height Tripod = <u>2</u> meters Session: <u>0</u> Start (UTC): <u>13:22</u> 2:
	: 0011	$m \rightarrow (mean) \xrightarrow{meters} \xrightarrow{meters} \\ \hline File Name: 001/06 \\ \hline Description: \\ \hline 95 SPIKE$	Height Tripod = <u>2</u> meters Session: <u>0</u> Start (UTC): <u>3:22</u> 2.
Reciever Serial # Code: Stamping: PID	: 0011	$ \begin{array}{c} m \rightarrow \hline{\text{(mean)}} & \text{meters} \rightarrow & \text{meters} \\ \hline & & File Name: 001/00 \\ \hline & Description: \\ \hline & & \\ \hline \hline & & \\ \hline \hline & & \\ \hline & & \\ \hline & & \\ \hline \hline & & \\ \hline \hline \\ \hline & & \\ \hline \hline \\ \hline & & \\ \hline \hline \hline \\ \hline \hline \hline \\ \hline \hline \hline \\ \hline \hline \hline \hline \hline \\ \hline \hline \hline \hline \hline \hline \hline \hline \hline \\ \hline \hline$	Height Tripod = <u>2</u> meters Session: <u>6</u> Start (UTC): <u>13:22</u> End (UTC): <u>14:20</u> 3.

 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

SANBORN