

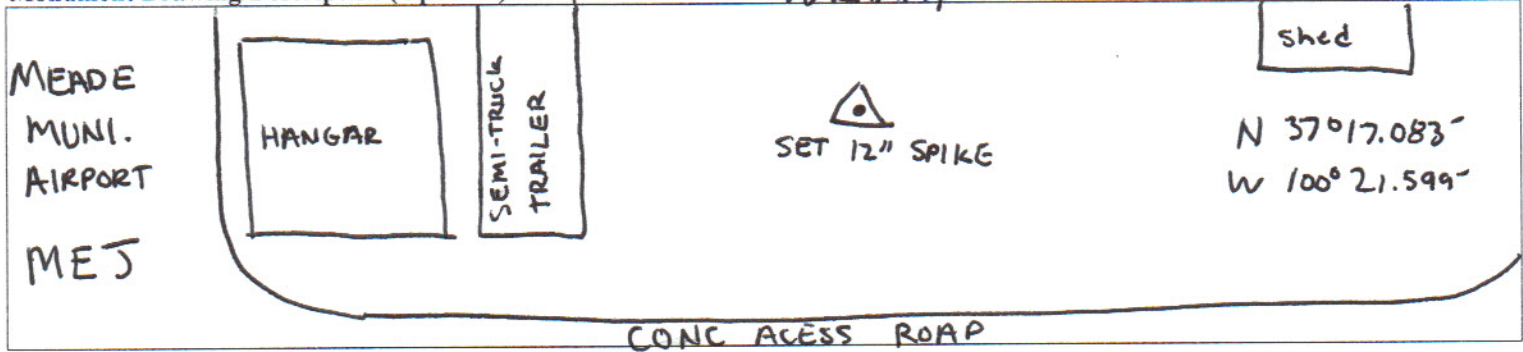


Date (mm/dd/yyyy): 01-19-2012 - 01-26-2012	LiDAR Mission(s): 019-026 Julian day
Project: 2331 KANSAS LiDAR	Observer: M. SUTTON

**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 = $0.00891 + (h^2 - (0.16981)^2)^{1/2}$
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)**



**LiDAR BASESTATION ANTENNA INFORMATION**

Receiver Serial #: 0005	File Name: 00050190
Code: 500	Description: SET 12" SPIKE
Stamping:	Session: 01
PID	Start (UTC): 21:01
	End (UTC): 9:55 local

Measurements

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

Receiver Serial #: 0005	File Name: 00050200
Code:	Description: SPIKE
Stamping:	Session: 01
PID	Start (UTC): 15:53 1-20
	End (UTC): 17:23 1-21

Measurements

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

Ran All night

Receiver Serial #: 0005	File Name: 00050210
Code:	Description: SPIKE
Stamping:	Session: 01
PID	Start (UTC): 17:25 1-21
	End (UTC): 1-22

Measurements

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

Screen froze @ 05:49

**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