

BOOKING SHEET FOR BOYA RANGE BARCODE STAFF CALIBRATION

- 1) LEVEL BUBBLE CHECKED? (Circle one) YES/NO ADJUSTED? YES/NO
- 2) STAFF BUBBLE CHECKED? (Circle one) YES/NO ADJUSTED? YES/NO
- 3) COLLIMATION TEST OF DIGITAL LEVEL

FINE
WEATHER: CLOUDY
TEMP: 23.1°C
PRESSURE: 1003.3 hPa

See Boya Range plan for location of collimation test spikes 1-4

Use instrument internal software to calculate and store collimation constants

DATE/TIME	12/01/2021		12/01/2021	
	TIME: 8:50 AM.		TIME: 8:50 AM	
INSTRUMENT MAKE/MODEL SERIAL #	LEICA LS 15 SN 702272.		LEICA LS 15 SN 702236	
STAFF MAKE/MODEL SERIAL#	LEICA INVAR STAFF SN 26296		LEICA INVAR STAFF SN 26296.	
COLLIMATION DIFFERENCE	-2.2"	OLD: 0" NEW: -2.2"	1.2"	OLD: 0" NEW: 1.2"
ACCEPT?/STORE?	YES.	RETICLE: 1.68702.	YES.	RETICLE: 1.77640

4) RANGE OBSERVATION DETAILS

See Boya Range plan for location of Pillar MV 83 and Pins 1-21

Set digital level to record most precise readings with multiple observations, means and standard deviations if possible. Shade instrument unless overcast.

Book field information in these tables to complete documentation for calibration.

Observe a BS on Pin 1, IS on Pins 2-20 and a FS on Pin 21 for 1 complete set for a 4 m staff.
Observe a BS on Pin 1, IS on Pins 2-14 and a FS on Pin 15 for 1 complete set for a 3 m staff.

If instrument can't mean multiple observations, do at least 3 complete sets for redundancy.

DATE/TIME	12/01/2021.	12/01/2021		
	TIME: 9:09 AM.	TIME: 9:41 AM		
TEMPERATURE START/FINISH	ST: 25.5°C, 26.1°C FIN: 25.7°C, 26.6°C	ST: 27.2°C, 28.0°C FIN: 30.0°C, 28.3°C		
INSTRUMENT MAKE/MODEL SERIAL #	LEICA LS 15 SN 702272.	LEICA LS 15 SN 702272		
STAFF MAKE/MODEL SERIAL#	LEICA INVAR STAFF SN 26296.	LEICA INVAR STAFF SN 26296		
#OBS FOR MEAN (minimum 5)	10.	10		
NUMBER OF SETS	1.	1		

pin# 1-15

pin# 7-21.

I certify that the above observations were made by me at the Boya barcode staff calibration range.

SURVEYOR..... V.UNG.
DATE..... 12/1/2021.

pin#1 100.00000
pin#21 96.19606.
ΔH. 3.80394.