

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

See Boya Range plan for location of collimation test spikes 1- 4
Use the adjusted instrument collimation constant derived from collimation test done below.

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.

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	13/2/25		
INSTRUMENT DETAILS			
MAKE/MODEL	TS 16	LS 15	
SERIAL #	3012827	702272	
STAFF DETAILS			
MAKE/MODEL	GFC 3	Fiber glass	
SERIAL#	26296	213	222
MATERIAL	FIBREGLASS / WOOD / INVAR /	FIBREGLASS / WOOD / INVAR /	FIBREGLASS / WOOD / INVAR /
LENGTH OF STAFF	3 m / 4 m / 5 m /	3 m / 4 m / 5 m /	3 m / 4 m / 5 m /
COEFFICIENT OF EXPANSION OF STAFF (If known)			
COLLIMATION TEST			
COLLIMATION DIFFERENCE	-14.7"		
ACCEPT/STORE?	<u>YES</u> / NO	YES / NO	YES / NO
RANGE OBSERVATION DETAILS			
# OBSERVATIONS FOR MEAN (Min. of 5 observations)			
NUMBER OF SETS	10	5	5
START TIME & TEMPERATURE	9:58 23.1°C 10:38 22.9°C	12:00 26.8°C	12:20 26.3
END TIME & TEMPERATURE	10:39 22.7°C 11:20am 24.0°C	12:15 27°C	12:33 27.0.

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

JN 20252213

SURVEYOR.....

(Name & Signature)

DATE..... 13/2/25

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

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

Use the adjusted instrument collimation constant derived from collimation test done below.

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.

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	13/2/25		
INSTRUMENT DETAILS			
MAKE/MODEL	LS 15		
SERIAL #	702272		
STAFF DETAILS			
MAKE/MODEL			
SERIAL#	209		
MATERIAL	FIBREGLASS / WOOD / INVAR /	FIBREGLASS / WOOD / INVAR /	FIBREGLASS / WOOD / INVAR /
LENGTH OF STAFF	3 m / <u>4 m</u> / 5 m /	3 m / 4 m / 5 m /	3 m / 4 m / 5 m /
COEFFICIENT OF EXPANSION OF STAFF (If known)			
COLLIMATION TEST			
COLLIMATION DIFFERENCE			
ACCEPT/STORE?	YES / NO	YES / NO	YES / NO
RANGE OBSERVATION DETAILS			
# OBSERVATIONS FOR MEAN (Min. of 5 observations)	5		
NUMBER OF SETS	6		
START TIME & TEMPERATURE	12:37 27°C		
END TIME & TEMPERATURE	12:50 30°C		

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

JN20252213

SURVEYOR.....

(Name & Signature)

DATE..... 13/2/25