

## 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 28/1/25			
<b>INSTRUMENT DETAILS</b>			
MAKE/MODEL	LEICA LS15		
SERIAL #	702272		
<b>STAFF DETAILS</b>			
MAKE/MODEL	LEICA GPCL3		
SERIAL#	26296		213
MATERIAL	FIBREGLASS / WOOD / <u>INVAR</u> / .....	FIBREGLASS / WOOD / INVAR / .....	FIBREGLASS / WOOD / <u>FIBREGLASS</u> / WOOD / INVAR / .....
LENGTH OF STAFF	<u>3 m</u> / 4 m / 5 m / .....	3 m / 4 m / 5 m / .....	3 m / <u>4 m</u> / 5 m / .....
COEFFICIENT OF EXPANSION OF STAFF (If known)			
<b>COLLIMATION TEST</b>			
COLLIMATION DIFFERENCE	-15.8"		
ACCEPT/STORE?	YES / NO	YES / NO	YES / NO
<b>RANGE OBSERVATION DETAILS</b>			
# OBSERVATIONS FOR MEAN (Min. of 5 observations)	10		5
NUMBER OF SETS	9:45 am ①	①	①
START TIME & TEMPERATURE	9:40 am 27.0°C	10:03 am 28.5°C	10:37 am 29.8°C
END TIME & TEMPERATURE	10:00 am 27.5°C	10:25 am 29.2°C	10:48 am 32.0°C

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

SURVEYOR.....  
(Name & Signature)

DATE.....

JN: 20252204