



# WEATHER: FINE STILL

## BOOKING SHEET FOR BOYA RANGE BARCODE STAFF CALIBRATION

1) LEVEL BUBBLE CHECKED? (Circle one)

YES / NO

ADJUSTED? YES?

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.

	16.9°C.		
DATE & TIME	16.9°C.		
· 克马吉尔 (1971年)	INSTRUMENT D		
MAKE/MODEL	LEICA LS 15		
SERIAL#	SN 702272.		
是不知识的。但是这种是是是是	STAFF DETA	ILS	
MAKE/MODEL	LEICA INVARGPL3.		
SERIAL#	26296		
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	5.5" OLD:-14.6" -9.0" NEW: -9.0		
ACCEPT/STORE?	YES/NO	YES/NO	YES / NO
是是一个一个人的工作。	RANGE OBSERVATION	ON DETAILS	
# OBSERVATIONS FOR MEAN (Min. of 5 observations)	10	10	
NUMBER OF SETS	/	/	
START TIME & TEMPERATURE	ST: 9:10 AM. 16.4°C. 17.3°C.	ST: 9.42AM. 17.8°C 19.2°C	
END TIME & TEMPERATURE	16.4°C. /7.3°C. FIN: 9:36. 16.2°C. 19.0°C	FIN: 10:12AM. 19.3° 17.7°C Din #7-21.	

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

SURVEYOR	V.UNG
	(Name & Signature)
DATE	7/10/2021.





# BOOKING SHEET FOR BOYA RANGE BARCODE STAFF CALIBRATION

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YES/NO

ADJUSTED? YES NO

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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	7/10/204 10:21AM	7.	
	INSTRUMENT D		
MAKE/MODEL	LEICA LS/5		
SERIAL#	SN 702272.		
	STAFF DETA	ILS	
MAKE/MODEL	LEICA INVAR GPL3.		
SERIAL#	79918.		
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)	V.		
10年10年10年10年10日 11日	COLLIMATION	TEST	
COLLIMATION DIFFERENCE	3.1" NEW -5.9"		
ACCEPT/STORE?	YES/NO	YES/NO	YES / NO
	RANGE OBSERVATION	ON DETAILS	
# OBSERVATIONS FOR MEAN (Min. of 5 observations)	10	10	
NUMBER OF SETS	/	1	
START TIME & TEMPERATURE	ST: 10.38AM. 19.8°C 20.3°C.	ST: 11:04AM.	
END TIME & TEMPERATURE	FIN: 11.02AM. 19.6°C. 20.7°C.	21.0°C. 19.7°C, FIN: 11: 25 Am. 20.9°C 21.9°C. 20.6°28	
	DIN#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.
	(Name & Signature)
DATE	7/10/201.