

# EDMI CALIBRATION BASELINE DATA FORM

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Office of Weights and Measures  
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## SECTION 1:

FIRM: \_\_\_\_\_ DATE: \_\_\_\_\_  
INSTRUMENT: \_\_\_\_\_  
SERIAL NO.: \_\_\_\_\_  
TELEPHONE NO. (\_\_\_\_) \_\_\_\_\_ FAX (\_\_\_\_) \_\_\_\_\_ SHEET \_\_\_\_\_ of \_\_\_\_\_

## SECTION 2:

OCCUPIED STATION: \_\_\_\_\_ OBSERVED STATION: \_\_\_\_\_

## SECTION 3:

CALIBRATION BASELINE: \_\_\_\_\_ LOCATION: \_\_\_\_\_

Instrument Operator: \_\_\_\_\_ Note Keeper: \_\_\_\_\_ Time: \_\_\_\_\_

WEATHER	ZENITH ANGLE CHECK	INSTRUMENT SETTINGS
Temperature: _____	Z.A. Direct: _____	Manufac. Instr. Constant: _____
Barometric Pressure: _____ / _____ Actual/Relative	Z.A. Reversed: + _____	Prism Offset: (+/-) _____
P.P.M. Set at _____	D. & R. Sum: _____	Computed Instr. Offset: _____
Wind: _____	Circle: _____	Difference: _____
Humidity: _____	Difference: _____	Instr. Constant Set to: _____
Climate/Comments: _____	MEAN Z.A. Dir.: _____	Meter/Feet Conversion: _____

## SECTION 4:

FROM STATION: _____ Sta. Elev.: (m) _____ (ft) _____	Published Diff. in Elev.: _____
Instrument Height: (m) _____ (ft) _____	Field Diff. in Elevation: _____
Height of Instrument: (m) _____ (ft) _____	Calculated Difference: _____
TO STATION: _____ Sta. Elev.: (m) _____ (ft) _____	$\left( \frac{\text{Z.A. Instr. Precision}}{\text{SIN}} \right) \left( \frac{\text{Segment}}{\text{Length}} \right) =$
Prism or Target Height: (m) _____ (ft) _____	
Height of Prism or Target: (m) _____ (ft) _____	

## SECTION 5:

	OBSERVATION GROUP NO. 1 (DIRECT)		
	Slope Distance (m/ft)	Horizontal Distance (m/ft)	Vert. Height Diff. (m/ft)
1.	_____ / _____	_____ / _____	_____ / _____
2.	_____ / _____	_____ / _____	_____ / _____
3.	_____ / _____	_____ / _____	_____ / _____
4.	_____ / _____	_____ / _____	_____ / _____
5.	_____ / _____	_____ / _____	_____ / _____
	OBSERVATION GROUP NO. 2 (REVERSED)		
6.	_____ / _____	_____ / _____	_____ / _____
7.	_____ / _____	_____ / _____	_____ / _____
8.	_____ / _____	_____ / _____	_____ / _____
9.	_____ / _____	_____ / _____	_____ / _____
10.	_____ / _____	_____ / _____	_____ / _____

## SECTION 6:

Mean Horizontal Distance: _____	Published Horiz. Distance: _____
Standard Deviation: _____	Adjusted Field Distance: _____
Sigma Value: _____ (Std. Deviation) (2.5)	Difference: _____
High/Low Spread: _____	Manuf. DIN Spec. (Tolerance): [+/-] _____
Number of Rejections: _____	Corroction applied to EDM: [+/-] _____

SECTION 7: I hereby acknowledge, as witnessed by my signature and embossed seal, that I have personally compared my EDM in accordance with the laws of the State of New Jersey and that I shall apply the appropriate linear corrections to the EDM measurements observed with this instrument.