



UPF CALIBRATION BASELINE CHECK SHEET FOR TOTAL STATION

DMC No.: _____
 Page 1 of _____

Company: _____ Date: ____/____/____ Time: ____:____ Temp: _____° Pressure: _____

Work Package No.: _____

Task No.: _____

Instrument Information	Accessories Check & Target Information	Adjusted?
Instrument Make: _____ Model: _____	Check tripods for stability <input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
Serial No.: _____	Check bubble for level <input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
Is instrument configured for fine measurement? <input type="checkbox"/> Y <input type="checkbox"/> N	Check that tri-brachs and prisms are screwed in tightly <input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
Has internal calibration routine been run? <input type="checkbox"/> Y <input type="checkbox"/> N	Check Optical Plummet. Is tribrach setup over the point? <input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N
Instrument Prism Constant: _____	Target Prism Constant: _____	Comments / Observations
Check optical plummet. Does it stay over the point when you rotate the instrument? <input type="checkbox"/> Y <input type="checkbox"/> N	Target Make: _____	
	Target Model: _____	

Horizontal Circle Index Error:	Sta A-Sta B		Vertical Circle Index Error:	Sta A-Sta C		EDM Check	
	° ' "	° ' "		° ' "	° ' "	Face Left	Face Right
On Face Left (F1), sight vertical line of crosshair on target and <u>Set Zero</u> on Horizontal Circle (A)	0° 00' 00"	0° 00' 00"	On Face Left (F1), sight horizontal line of crosshair on target and read Vertical Circle (C)			Sta A-Sta B	
On Face Right (F2), sight vertical line of crosshair on target and read Horizontal Circle (B)			On Face Right (F2), sight horizontal line of crosshair on target and read Vertical Circle (D)			1)	1)
						2)	2)
						3)	3)
Sum (A) + (B)			Sum (C) + (D)			Avg	Avg
Half Circle	180° 00' 00"	180° 00' 00"	Full Circle	360° 00' 00"	360° 00' 00"	Mean	
						D =	
						Acceptable?	<input type="checkbox"/> Y <input type="checkbox"/> N
Double Error { (180° 00'00") - (A + B) }			Double Error { (360° 00' 00") - (C + D) }			Sta A-Sta C	
						1)	1)
Divide by 2			Divide by 2			2)	2)
						3)	3)
Index Error			Index Error			Avg	Avg
						Mean	
Acceptable?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	Acceptable?	<input type="checkbox"/> Y <input type="checkbox"/> N	<input type="checkbox"/> Y <input type="checkbox"/> N	D =	
						Acceptable?	<input type="checkbox"/> Y <input type="checkbox"/> N

Signatures

Surveyor: _____
Print

_____ Sign

Remarks: _____