

Geometric Calibration Report

Performed at 15:20 on Wednesday, December 19, 2007 by User.

Scanner Serial Number: 151926
 PhotoScan version: 4.4.1.15
 Firmware revision: 5.40

CCD Angle (radians) : 0.001168
 CCD Angle (degrees) : 0.066917

Width across all CCDs (microns) : 39421.000000
 Size of one CCD (microns) : 6.999467

Intersections read from: C:\Program Files\PhotoScan\CalibFiles\25NominalPoints.dat
 Title: # Calibration plate: Using all 25 nominal points (in BEST order)

Status #	Calibrated		Observed		Residuals	
	X (mm)	Y (mm)	X (mm)	Y (mm)	X (um)	Y (um)
SM 1	0.000	200.000	2.793	201.312	-3.387	0.115
SM 2	0.000	150.000	2.591	151.310	-2.134	-0.692
SM 3	0.000	100.000	2.389	101.308	-1.694	-2.391
SM 4	0.000	50.000	2.187	51.307	-0.541	-2.154
SM 5	0.000	0.000	1.984	1.308	-0.603	0.246
SM 6	50.000	200.000	52.799	201.125	0.477	0.808
SM 7	50.000	150.000	52.596	151.123	0.167	0.196
SM 8	50.000	100.000	52.393	101.121	0.214	-0.985
SM 9	50.000	50.000	52.192	51.120	1.836	-0.149
SM 10	50.000	0.000	51.990	1.121	2.503	1.954
SM 11	100.000	200.000	102.803	200.938	1.534	1.902
SM 12	100.000	150.000	102.599	150.936	0.463	1.654
SM 13	100.000	100.000	102.396	100.933	0.310	-0.473
SM 14	100.000	50.000	102.194	50.933	1.496	0.135
SM 15	100.000	0.000	101.992	0.934	1.863	2.402
SM 16	150.000	200.000	152.807	200.748	2.606	0.787
SM 17	150.000	150.000	152.602	150.747	1.328	1.126
SM 18	150.000	100.000	152.399	100.744	1.010	-0.875
SM 19	150.000	50.000	152.196	50.744	0.957	-0.073
SM 20	150.000	0.000	151.993	0.745	0.618	1.829
SM 21	200.000	200.000	202.808	200.559	0.862	-0.229
SM 22	200.000	150.000	202.603	150.558	-1.096	-0.616
SM * 23	200.000	100.000	202.398	100.555	-2.542	-2.506
SM 24	200.000	50.000	202.195	50.554	-2.891	-1.833
SM 25	200.000	0.000	201.992	0.555	-3.354	-0.177

1.6625639484 = Standard Deviation (sigma)
 1.7881070689 = Root Mean Square X
 1.3675614775 = Root Mean Square Y
 0.9999382096 = Scale X
 0.9999707252 = Scale Y
 -0.0167434204 = Non-orthogonality (degrees)

x = 1.0000607709 * X + 0.0014602339 * Y + 0.0 (microns)
 y = -0.0011679503 * X + 1.0000286363 * Y + 5000.0 (microns)

Notes:

This file is rewritten every time a point is measured, withheld, or reinstated whether or not the resulting calibration is downloaded to the scanner.

GeoCalibReport_151926_19December2007.txt

Original Filename:

C:\PROGRA~1\PHOTOS~1\CalibFiles\GeoCalibReport_151926_19December2007.txt