

Geometric Calibration Report

Performed at 16:06 on Wednesday, January 18, 2012 by Administrator.

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

CCD Angle (radians) : 0.001030
 CCD Angle (degrees) : 0.059039

Width across all CCDs (microns) : 39416.613889
 Size of one CCD (microns) : 6.998689

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	1.334	200.758	-0.954	0.502
SM	2	0.000	150.000	1.024	150.759	-0.944	0.793
SM	3	0.000	100.000	0.714	100.758	-1.430	-1.159
SM	4	0.000	50.000	0.405	50.760	-0.431	-0.434
SM	5	0.000	0.000	0.096	0.764	0.166	1.699
SM	6	50.000	200.000	51.333	200.448	0.142	0.901
SM	7	50.000	150.000	51.023	150.449	0.227	0.941
SM	8	50.000	100.000	50.714	100.448	0.670	-1.353
SM	9	50.000	50.000	50.405	50.449	1.583	-1.138
SM *	10	50.000	0.000	50.096	0.453	2.376	1.535
SM	11	100.000	200.000	101.331	200.137	0.348	0.286
SM	12	100.000	150.000	101.021	150.138	0.123	0.231
SM	13	100.000	100.000	100.711	100.137	-0.545	-1.952
SM	14	100.000	50.000	100.402	50.139	0.303	-1.491
SM	15	100.000	0.000	100.092	0.143	0.214	0.900
SM	16	150.000	200.000	151.330	199.826	0.918	-0.558
SM	17	150.000	150.000	151.019	149.827	-0.335	-0.477
SM	18	150.000	100.000	150.709	99.827	-0.600	-2.147
SM	19	150.000	50.000	150.399	49.829	-0.301	-1.379
SM	20	150.000	0.000	150.089	-0.168	-1.191	0.351
SM	21	200.000	200.000	201.328	199.518	0.934	1.512
SM	22	200.000	150.000	201.018	149.519	0.540	1.219
SM	23	200.000	100.000	200.707	99.519	-0.804	-0.359
SM	24	200.000	50.000	200.398	49.520	-0.120	-0.307
SM	25	200.000	0.000	200.087	-0.477	-0.889	1.885

1.0966687008 = Standard Deviation (sigma)
 0.8835650948 = Root Mean Square X
 1.1934111454 = Root Mean Square Y
 0.9999540206 = Scale X
 0.9999769175 = Scale Y
 0.0003347006 = Non-orthogonality (degrees)

x = 1.0000451307 * X + 0.0013409309 * Y + 0.0 (microns)
y = -0.0010304498 * X + 1.0000226004 * 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.

Original Filename: C:\Program Files\PhotoScan\CalibFiles\GeoCalibReport_151926_18January2012.txt