

Geometric Calibration Report

Performed at 13:32 on Wednesday, January 18, 2012 by Administrator.

Scanner Serial Number: 151400
 PhotoScan version: 4.4.1.15
 Firmware revision: 5.40

CCD Angle (radians) : -0.000117
 CCD Angle (degrees) : -0.006723

Width across all CCDs (microns) : 39423.624892
 Size of one CCD (microns) : 6.999933

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	-1.594	199.006	-0.566	-1.801
SM	2	0.000	150.000	-1.679	149.011	0.388	0.911
SM	3	0.000	100.000	-1.766	99.015	-0.543	2.347
SM	4	0.000	50.000	-1.853	49.016	-0.969	0.250
SM	5	0.000	0.000	-1.940	-0.983	-1.964	-1.162
SM	6	50.000	200.000	48.410	198.948	1.937	-1.403
SM	7	50.000	150.000	48.325	148.953	2.623	1.000
SM	8	50.000	100.000	48.238	98.955	2.547	0.996
SM	9	50.000	50.000	48.151	48.957	1.160	0.225
SM	10	50.000	0.000	48.064	-1.042	0.984	-1.526
SM	11	100.000	200.000	98.409	198.889	-1.005	-2.054
SM	12	100.000	150.000	98.324	148.895	-0.144	1.522
SM	13	100.000	100.000	98.237	98.898	-0.132	1.970
SM	14	100.000	50.000	98.151	48.898	-0.424	0.087
SM	15	100.000	0.000	98.063	-1.100	-1.976	-1.059
SM *	16	150.000	200.000	148.409	198.830	-2.132	-2.149
SM	17	150.000	150.000	148.324	148.836	-1.570	0.654
SM	18	150.000	100.000	148.239	98.839	-0.542	1.838
SM	19	150.000	50.000	148.153	48.840	-0.336	0.195
SM	20	150.000	0.000	148.065	-1.159	-1.189	-1.525
SM	21	200.000	200.000	198.412	198.773	-1.160	-1.535
SM	22	200.000	150.000	198.328	148.778	0.526	1.345
SM	23	200.000	100.000	198.242	98.782	1.348	2.540
SM	24	200.000	50.000	198.156	48.781	1.454	-0.669
SM	25	200.000	0.000	198.070	-1.217	1.687	-0.996

1.5005781387 = Standard Deviation (sigma)
 1.4046908472 = Root Mean Square X
 1.4679999999 = Root Mean Square Y
 0.9999656228 = Scale X
 1.0000476767 = Scale Y
 -0.0317901622 = Non-orthogonality (degrees)

x = 1.0000344366 * X + 0.0004375144 * Y + 0.0 (microns)
y = 0.0001173381 * X + 0.9999524726 * 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_151400_18January2012.txt