

## Geometric Calibration Report

Performed at 15:29 on Wednesday, August 08, 2012 by User.

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

CCD Angle (radians) : 0.000960  
 CCD Angle (degrees) : 0.055009

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	2.385	201.372	-1.628	0.265
SM 2	0.000	150.000	2.322	151.371	-1.368	-0.190
SM 3	0.000	100.000	2.258	101.368	-1.721	-2.287
SM 4	0.000	50.000	2.195	51.369	-0.663	-1.011
SM 5	0.000	0.000	2.131	1.371	-0.738	1.166
SM 6	50.000	200.000	52.393	201.327	1.121	1.572
SM 7	50.000	150.000	52.330	151.327	1.470	1.413
SM 8	50.000	100.000	52.266	101.323	1.597	-1.574
SM 9	50.000	50.000	52.203	51.324	2.000	-0.260
SM 10	50.000	0.000	52.139	1.326	1.771	2.065
SM 11	100.000	200.000	102.397	201.281	0.243	1.377
SM 12	100.000	150.000	102.333	151.281	0.046	1.338
SM 13	100.000	100.000	102.269	101.277	-0.178	-2.057
SM 14	100.000	50.000	102.207	51.278	1.941	-1.006
SM 15	100.000	0.000	102.144	1.280	2.002	1.678
SM 16	150.000	200.000	152.401	201.234	-0.716	0.159
SM 17	150.000	150.000	152.336	151.233	-1.838	-0.842
SM * 18	150.000	100.000	152.273	101.230	-1.192	-2.721
SM 19	150.000	50.000	152.209	51.231	-1.550	-1.659
SM 20	150.000	0.000	152.144	1.233	-2.213	0.980
SM 21	200.000	200.000	202.408	201.189	2.027	0.987
SM 22	200.000	150.000	202.344	151.188	0.783	0.786
SM 23	200.000	100.000	202.279	101.185	-0.201	-1.847
SM 24	200.000	50.000	202.215	51.187	0.196	-0.056
SM 25	200.000	0.000	202.150	1.188	-1.190	1.722

1.4987502883 = Standard Deviation (sigma)

1.4182299298 = Root Mean Square X

1.4514659193 = Root Mean Square Y

0.9999016160 = Scale X

0.9999925165 = Scale Y

-0.0204893114 = Non-orthogonality (degrees)

x = 1.0000975894 \* X + 0.0013178226 \* Y + 0.0 (microns)

y = -0.0009600944 \* X + 1.0000070866 \* Y + 5000.0 (microns)

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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:\PROGRA~1\PHOTOS~1\CalibFiles\GeoCalibReport\_151926\_08August2012.txt