

## Geometric Calibration Report

Performed at 15:28 on Thursday, April 02, 2009 by User.

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

CCD Angle (radians) : 0.001068  
 CCD Angle (degrees) : 0.061220

Width across all CCDs (microns) : 39419.789760  
 Size of one CCD (microns) : 6.999252

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	1.097	199.934	-0.094	1.544
SM 2	0.000	150.000	0.802	149.935	-0.342	1.273
SM 3	0.000	100.000	0.508	99.934	-0.748	-1.313
SM 4	0.000	50.000	0.215	49.936	-0.130	-0.474
SM 5	0.000	0.000	-0.079	-0.061	-0.063	1.366
SM 6	50.000	200.000	51.095	199.639	0.334	0.663
SM 7	50.000	150.000	50.801	149.640	-0.031	0.868
SM 8	50.000	100.000	50.506	99.639	-0.533	-1.657
SM 9	50.000	50.000	50.213	49.641	0.235	-1.035
SM 10	50.000	0.000	49.920	-0.356	0.513	0.924
SM 11	100.000	200.000	101.093	199.344	1.070	-0.322
SM 12	100.000	150.000	100.799	149.346	0.705	0.368
SM 13	100.000	100.000	100.504	99.345	-0.391	-1.881
SM 14	100.000	50.000	100.211	49.346	-0.043	-1.572
SM 15	100.000	0.000	99.916	-0.651	-0.553	0.130
SM 16	150.000	200.000	151.090	199.050	0.231	-0.613
SM 17	150.000	150.000	150.796	149.052	0.318	0.242
SM 18	150.000	100.000	150.502	99.051	-0.175	-1.702
SM 19	150.000	50.000	150.210	49.053	1.461	-1.167
SM 20	150.000	0.000	149.915	-0.944	0.538	0.921
SM 21	200.000	200.000	201.088	198.757	-0.037	0.683
SM 22	200.000	150.000	200.793	148.758	-0.807	0.700
SM 23	200.000	100.000	200.498	98.758	-1.763	-0.444
SM 24	200.000	50.000	200.206	48.760	0.148	0.069
SM * 25	200.000	0.000	199.912	-1.236	0.156	2.429

0.9826355398 = Standard Deviation (sigma)  
 0.6434994459 = Root Mean Square X  
 1.1645277601 = Root Mean Square Y  
 0.9999681384 = Scale X  
 0.9999980105 = Scale Y  
 0.0002350399 = Non-orthogonality (degrees)

x = 1.0000309341 \* X + 0.0014032209 \* Y + 0.0 (microns)  
y = -0.0010684908 \* X + 1.0000014747 \* 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:\PROGRA~1\PHOTOS~1\CalibFiles\GeoCalibReport\_151926\_02April2009.txt