

## Geometric Calibration Report

Performed at 11:46 on Friday, November 18, 2011 by User.

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

CCD Angle (radians) : 0.001000  
 CCD Angle (degrees) : 0.057298

Width across all CCDs (microns) : 39420.000000  
 Size of one CCD (microns) : 6.999290

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	2.065	201.322	-0.848	0.653
SM	2	0.000	150.000	1.854	151.321	-0.504	0.012
SM	3	0.000	100.000	1.644	101.318	-0.138	-2.127
SM	4	0.000	50.000	1.435	51.317	1.535	-1.396
SM	5	0.000	0.000	1.224	1.319	1.722	1.562
SM	6	50.000	200.000	52.068	201.128	-0.533	1.004
SM	7	50.000	150.000	51.857	151.127	-0.562	0.998
SM	8	50.000	100.000	51.646	101.124	-0.209	-0.791
SM	9	50.000	50.000	51.437	51.123	0.992	-0.529
SM	10	50.000	0.000	51.226	1.125	0.737	2.305
SM	11	100.000	200.000	102.071	200.932	-0.115	0.723
SM	12	100.000	150.000	101.859	150.931	-1.009	0.498
SM	13	100.000	100.000	101.648	100.928	-1.562	-1.382
SM	14	100.000	50.000	101.438	50.928	-0.915	-0.859
SM	15	100.000	0.000	101.227	0.929	-0.831	1.381
SM	16	150.000	200.000	152.075	200.737	1.044	0.247
SM	17	150.000	150.000	151.863	150.736	0.287	0.222
SM *	18	150.000	100.000	151.652	100.732	-0.018	-2.850
SM	19	150.000	50.000	151.441	50.731	-0.009	-2.393
SM	20	150.000	0.000	151.230	0.733	-0.775	0.270
SM	21	200.000	200.000	202.078	200.542	1.468	0.880
SM	22	200.000	150.000	201.867	150.542	0.914	0.973
SM	23	200.000	100.000	201.655	100.538	0.286	-1.127
SM	24	200.000	50.000	201.444	50.538	0.244	-0.412
SM	25	200.000	0.000	201.232	0.540	-1.198	2.137

1.2104920612 = Standard Deviation (sigma)

0.9088332693 = Root Mean Square X

1.3639607683 = Root Mean Square Y

0.9999352828 = Scale X

0.9999724645 = Scale Y

-0.0181219161 = Non-orthogonality (degrees)

x = 1.0000639050 \* X + 0.0013164092 \* Y + 0.0 (microns)

y = -0.0010000646 \* X + 1.0000270862 \* 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\_18November2011.txt