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Calibration Report:

Camera: PhaseOne iXM-RS 150F Achromatic (SN: MN010033)
Sensor Resolution: x 14204 * y 10652 (150 MP)
Pixel Size: 3.76 µm
Filter: IR Pass 830
Lens: Rodenstock RS 50/Aerial (SN: 12571357)
Distance setting: infinity
Calibration Area : Sant Andreu de la Barca/ Spain
GSD: 7.8 cm
Date of Mission: 19.7.2023
Date of Calibration: 17.3.2024
Calibration Place: Wissembourg / France
Performed with: Photomesh/Metashape/Bingo
Calibration approved by: Dr. Gerhard Kemper

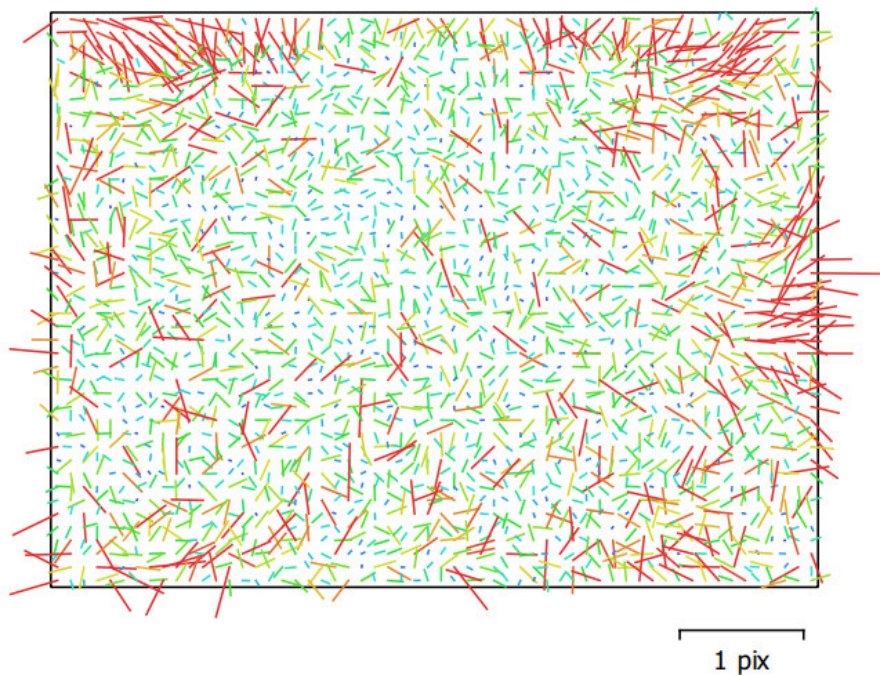
Calibration calculated with 78 Images and using 28 GCPs in Australis Format.

Camera Variable	Initial Value	Total Adjustment	Final Value	Initial Std. Error	Final Std. Error
C	50.000	0.00000	51.8761	1.0e+003	0.0005 (mm)
XP	0.000	0.00000	-0.0154	1.0e+003	0.0003 (mm)
YP	0.000	0.00000	-0.1498	1.0e+003	0.0003 (mm)
K1	0	0.000e-000	1.50532e-05	1.0e+003	2.70467e-08
K2	0	0.000e-000	-4.02985e-09	1.0e+003	5.81371e-11
K3	0	0.000e-000	-8.09943e-15	1.0e+003	3.71288e-14
P1	0	0.000e-000	8.66723e-07	1.0e+003	2.45104e-08
P2	0	0.000e-000	3.83469e-06	1.0e+003	2.60709e-08
B1	0	0.000e-000	-4.38279e-07	1.0e+003	1.35079e-06
B2	0	0.000e-000	3.29655e-06	1.0e+003	1.30083e-06

Maximum Observational Radial Distance Encountered: 33.378 mm

	Value	Error	F	Cx	Cy	B1	B2	K1	K2	K3	K4	P1	P2
F	13796.9	0.13	1.00	-0.00	0.01	-0.09	-0.00	-0.50	0.45	-0.41	0.38	-0.00	0.09
Cx	-4.10239	0.085		1.00	0.01	-0.02	0.27	-0.00	0.00	-0.00	0.00	0.29	-0.01
Cy	39.8379	0.078			1.00	-0.22	0.02	0.00	-0.00	0.00	-0.00	0.01	0.28
B1	0.0043319	0.019				1.00	-0.00	0.04	-0.04	0.04	-0.03	0.02	-0.01
B2	0.0446098	0.018					1.00	0.01	-0.01	0.02	-0.02	-0.01	0.01
K1	-0.0406336	0.00014						1.00	-0.98	0.93	-0.89	-0.02	-0.00
K2	0.0352539	0.0014							1.00	-0.99	0.96	0.02	0.01
K3	-0.0139109	0.0049								1.00	-0.99	-0.02	-0.01
K4	0.0101721	0.0062									1.00	0.03	0.02
P1	-4.31172e-05	1.3e-06										1.00	-0.00
P2	0.000191217	1.4e-06											1.00

Calibration Coefficient and correlation matrix



Final residual plot


 Dr. Gerhard Kemper / GGS GmbH

