

self_calib

pba_sc2

iter	1	position corrections:	-0.069005	0.050345	0.054699
iter	2	position corrections:	-0.000831	0.002222	-0.000851
iter	3	position corrections:	-0.000087	-0.000206	0.000148
iter	4	position corrections:	0.000005	0.000022	-0.000020
iter	5	position corrections:	-0.000000	-0.000001	0.000001

we have converged

observation residuals

photo ph5194

350	0.187	-0.416
351	0.265	-0.291
352	0.073	-0.515
353	0.226	-0.080
354	0.103	-0.385
355	0.263	-0.392
356	-0.050	-0.098
357	0.361	-0.124
349	0.021	0.641
348	-0.181	-0.179
347	-0.101	0.015
346	-0.433	-0.166
345	-0.117	0.550
150	-0.101	-0.594
149	-0.315	-0.126
90	-0.314	0.646
91	0.106	-0.109
92	-0.256	-0.052
76	-0.800	-0.301
77	-0.214	0.185
78	0.155	0.063
79	0.406	-0.036
75	0.510	-0.109
71	-0.068	-0.244
72	-0.513	-0.443
73	0.376	-0.659
83	-0.516	-0.001
84	-0.089	1.511
89	0.180	0.567
88	0.110	0.681
87	0.171	0.297
86	0.382	0.185

photo ph5196

350	-0.636	-0.037
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		self_calib
351	-0.309	-0.133
352	0.203	-0.339
353	0.235	-0.396
354	0.328	-0.141
355	0.094	0.252
356	-0.020	-0.142
357	0.150	-0.005
349	0.106	0.265
348	-0.197	0.158
347	0.394	0.078
150	-0.405	0.154
90	-0.090	-0.048
91	0.001	0.119
92	0.155	0.135
76	0.024	-0.376
77	0.242	0.461
78	-0.219	-0.436
79	-0.137	-0.259
75	-0.099	0.150
71	0.176	0.297
72	0.519	0.233
73	-0.434	-0.719
83	-0.448	0.970
84	-0.953	-1.611
87	0.011	0.505
86	0.133	0.226
358	0.033	-0.344
359	0.161	0.017
360	0.271	-0.165
361	-0.255	-0.059
74	0.834	0.590
85	-0.137	0.583

photo ph5198

350	0.028	-0.011
351	0.207	0.207
352	-0.151	0.104
353	0.225	-0.089
354	-0.191	-0.019
355	-0.443	0.257
356	0.163	0.402
357	-0.268	0.062
349	0.077	-0.628
348	0.151	-0.544
347	-0.394	-0.324
346	-0.628	0.131
345	0.105	-0.114

		self_calib
150	-0.699	0.046
149	0.661	-0.167
90	0.212	0.512
91	0.462	0.242
92	0.637	0.037
83	-0.365	-0.280
84	-0.202	-1.813
358	0.161	0.626
359	0.147	0.229
360	0.186	0.228
361	0.129	0.180
85	0.048	0.343
66	-0.007	-0.317
67	-0.005	-0.034
68	-0.006	-0.101
69	-0.007	-0.207
65	-0.002	0.408
62	-0.003	0.365
63	-0.004	0.437
64	-0.006	0.728
82	-0.166	-0.818

photo ph5199

350	-0.302	-0.519
351	-0.576	-0.139
352	-0.756	0.202
353	-0.244	-0.246
354	-0.519	-0.147
355	-0.258	0.035
356	-0.186	-0.193
357	-0.298	-0.189
349	0.646	0.058
348	0.108	0.354
347	-0.093	0.188
346	0.230	0.801
345	0.707	-0.091
150	-0.411	-0.252
149	-0.115	-0.156
90	0.319	-0.134
91	-0.189	0.138
92	0.021	0.179
76	-0.023	0.350
79	-0.204	0.164
75	0.129	0.410
71	0.071	-0.091
72	-0.152	-0.742
73	-0.524	-0.012

		self_calib
83	0.899	0.669
89	0.308	-0.872
88	-0.091	0.391
87	0.250	0.259
86	-0.029	-0.478
358	-0.097	0.178
359	-0.013	0.032
360	0.000	-0.260
361	0.107	0.190
85	-0.251	0.061
82	1.019	-0.081
362	0.271	-0.070

photo ph5201

350	0.004	0.633
351	0.290	-0.221
352	-0.028	-0.295
353	-0.396	-0.223
354	-0.012	0.036
355	0.017	-0.018
356	-0.002	0.156
357	0.242	0.145
349	0.158	-0.247
348	-0.268	-0.019
347	0.254	0.249
346	-0.263	0.313
345	-0.241	0.080
150	0.375	0.631
149	-0.225	-0.248
90	0.441	0.518
91	0.040	-0.068
92	-0.250	-0.352
76	-0.658	0.305
77	0.685	0.247
78	-0.294	-0.051
79	-0.078	-0.221
75	-0.289	-0.538
71	-0.266	-0.531
72	-0.500	0.607
73	-0.603	0.010
83	0.055	0.457
84	0.893	0.900
89	0.325	0.629
88	1.402	-0.378
87	0.514	-0.377
86	0.397	0.015
358	-0.264	-0.335

		self_calib
359	-0.101	-0.185
360	-0.346	-0.086
361	-0.272	-0.042
74	0.232	-0.419
85	0.956	0.038
82	-1.236	-0.453
362	-0.621	0.120
363	-0.001	0.048
364	-0.011	-0.475
365	-0.008	-0.319

photo ph5203

350	-0.127	0.306
351	0.032	0.209
352	-0.039	-0.077
353	0.079	-0.266
354	-0.036	-0.209
355	0.371	0.021
356	0.348	-0.051
357	-0.033	-0.288
349	-0.502	-0.018
348	-0.373	-0.101
347	-0.439	-0.348
150	-0.299	0.732
90	0.173	-0.232
91	0.384	-0.587
92	0.328	-0.319
77	-0.328	-0.402
78	-0.135	0.119
79	-0.093	-0.274
75	0.615	-0.235
71	0.458	0.797
72	0.693	0.080
84	-3.490	0.017
89	-0.269	0.172
88	-1.143	-0.125
358	0.652	-0.035
359	0.397	-0.172
360	0.508	-0.111
361	0.280	-0.026
74	0.594	-0.277
66	-0.293	-0.001
67	-0.032	-0.002
68	-0.094	-0.002
69	-0.191	-0.001
65	0.362	-0.002
62	0.304	0.002

		self_calib	
63	0.364	0.002	
64	0.604	0.006	
82	-0.146	0.668	
362	0.425	-0.062	
363	-0.003	-0.065	
364	0.055	0.582	
365	0.038	0.392	

post adjustment statistics & error propagation

rms-x,rms-y = 0.440 0.390
 total coord rms = 0.415746
 number of points = 51
 number of control points = 0
 number of observations = 440
 number of photos = 6
 redundancy = 251
 post-adj sigma-nought squared = 0.30

exterior orientation data for photos

photo ph5194

w,p,k	-0.274717	0.343867	1.668930
x,y,z	67.404	14.723	152.574

photo ph5196

w,p,k	-0.304988	-0.096333	1.562398
x,y,z	49.235	14.786	152.414

photo ph5198

w,p,k	-0.299706	-0.368140	1.497464
x,y,z	29.407	14.936	152.099

photo ph5199

w,p,k	-0.107718	0.349295	0.009974
x,y,z	67.190	5.961	152.431

photo ph5201

w,p,k	-0.063303	-0.053397	-0.007692
x,y,z	49.148	6.029	152.152

photo ph5203

		self_calib	
w,p,k	-0.039379	-0.576140	-0.007292
x,y,z	29.475	6.144	152.138

point coordinates

350	47.636	12.817	97.861
351	48.999	12.813	97.877
352	51.150	12.805	97.887
353	52.517	12.801	97.884
354	54.665	12.787	97.903
355	56.046	12.781	97.903
356	58.184	12.763	97.915
357	59.552	12.759	97.922
349	45.478	12.826	97.874
348	44.108	12.832	97.845
347	41.962	12.844	97.824
346	40.581	12.853	97.810
345	38.434	12.864	97.809
150	42.334	6.386	98.448
149	36.605	3.713	97.848
90	46.411	1.470	106.023
91	46.252	-0.124	106.354
92	46.569	-0.194	106.565
76	56.045	9.525	131.503
77	56.426	9.521	131.518
78	56.430	9.758	131.509
79	56.049	9.764	131.494
75	56.263	5.707	130.700
71	56.026	-0.419	130.826
72	56.335	-0.416	130.848
73	56.347	-0.424	130.543
83	45.020	-0.776	120.829
84	47.923	-0.766	120.859
89	62.605	-0.778	120.919
88	59.684	-0.782	120.919
87	56.739	-0.778	120.873
86	53.816	-0.765	120.851
358	61.697	12.748	97.929
359	63.070	12.742	97.930
360	65.221	12.728	97.948
361	66.594	12.722	97.956
74	56.046	-0.422	130.522
85	50.893	-0.765	120.843
66	36.111	9.582	131.371
67	36.488	9.592	131.388
68	36.485	9.830	131.378
69	36.107	9.821	131.355
65	36.295	5.722	130.597

		self_calib	
62	36.321	-0.358	130.747
63	36.327	-0.358	130.450
64	36.020	-0.352	130.439
82	42.073	-0.767	120.809
362	68.751	12.713	97.961
363	70.122	12.707	97.964
364	72.281	12.697	97.969
365	73.666	12.692	97.964

refined camera parameters

x0 -17.035
y0 -9.280
foc 4438.154
k1 0.02443373
k2 -0.0052450172
p1 0.8454656
p2 1.1495114
cond(N) before Wts 5.8063409e+017
cond(N) after Wts 1.4430385e+011

diary off