

[illegible]

pair: 0	20900	20910	74	84	43540	43543	-46	-43	0.00181	0.10396	48294
48305	-11	-10	-3								
pair: 1	20903	20912	97	106	43543	43531	-40	-52	0.00233	0.13358	48299
48294	5	-9	12								
pair: 2	20909	20905	-227	-223	43543	43541	-108	-110	-0.00517	-0.29607	48301
48302	-1	-4	2								
pair: 3	20915	20903	-201	-189	43541	43544	-93	-90	-0.00448	-0.25659	48304
48301	3	-12	-3								
pair: 4	20983	20980	-422	-425	43698	43702	205	209	-0.00969	-0.55526	48481
48474	7	3	-4								
pair: 5	20975	20977	-374	-372	43709	43703	184	178	-0.00853	-0.48898	48482
48478	4	-2	6								
pair: 6	20911	20908	-83	-80	43536	43540	-37	-33	-0.00187	-0.10725	48302
48295	7	-3	-4								
pair: 7	20910	20909	147	148	43539	43535	70	66	0.00339	0.19411	48295
48300	-5	-1	4								
Quad 1											
pair: 0	20906	20909	-39	-36	43536	43544	9	17	-0.00086	-0.04935	48295
48304	-9	-3	-8								
pair: 1	20910	20896	1	-13	43544	43538	3	-3	-0.00014	-0.00790	48295
48301	-6	14	6								
pair: 2	20978	20974	152	156	43707	43702	73	68	0.00352	0.20189	48474
48480	-6	-4	5								
pair: 3	20981	20978	33	36	43703	43708	17	22	0.00079	0.04523	48482
48477	5	-3	-5								
pair: 4	21385	21371	-109	-123	43905	43918	54	67	-0.00264	-0.15136	48842
48835	7	14	-13								
pair: 5	21375	21377	-150	-148	43911	43924	65	78	-0.00339	-0.19439	48842
48844	-2	-2	-13								
pair: 6	20902	20911	66	57	43542	43533	36	27	0.00141	0.08093	48298
48295	3	9	9								
pair: 7	20914	20897	302	319	43537	43531	141	135	0.00713	0.40865	48284
48304	-20	-17	6								
Quad 2											
pair: 0	20915	20909	-231	-237	43541	43541	112	112	-0.00537	-0.30792	48302
48303	-1	6	0								
pair: 1	20904	20905	-197	-196	43549	43549	92	92	-0.00451	-0.25853	48304
48309	-5	-1	0								
pair: 2	20912	20905	-127	-120	43538	43536	-56	-58	-0.00284	-0.16253	48299
48295	4	-7	2								
pair: 3	20911	20907	126	130	43543	43546	61	64	0.00294	0.16842	48305
48303	2	-4	-3								
pair: 4	21380	21378	-62	-64	43916	43910	42	36	-0.00143	-0.08220	48848
48833	15	2	6								
pair: 5	21378	21399	138	159	43910	43909	-78	-79	0.00338	0.19377	48836
48847	-11	-21	1								
pair: 6	20901	20907	-89	-95	43562	43539	-27	-50	-0.00211	-0.12104	48312
48302	10	6	23								
pair: 7	20906	20916	-35	-45	43545	43541	-14	-18	-0.00092	-0.05263	48306
48300	6	10	4								
Quad 3											
pair: 0	20914	20899	-115	-130	43532	43553	45	66	-0.00281	-0.16119	48298
48304	-6	15	-21								
pair: 1	20909	20906	-19	-22	43549	43540	20	11	-0.00047	-0.02697	48308
48298	10	3	9								
pair: 2	20904	20914	-51	-61	43544	43538	-30	-36	-0.00129	-0.07369	48295
48306	-11	10	6								
pair: 3	20907	20925	-38	-56	43541	43543	-20	-18	-0.00108	-0.06185	48308
48301	7	18	-2								
pair: 4	20910	20908	2	0	43537	43539	3	5	0.00002	0.00132	48302
48294	8	2	-2								
pair: 5	20906	20906	4	4	43547	43552	-8	-3	0.00009	0.00526	48304
48310	-6	0	-5								
pair: 6	21382	21384	210	208	43908	43911	99	102	0.00476	0.27272	48838
48840	-2	2	-3								
pair: 7	21372	21383	95	84	43909	43911	44	46	0.00204	0.11678	48838
48836	2	11	-2								

Comparing deviations of dS1 and dS2, and dL1 and dL2, we found:

- All other measurements are consistent within +/-10um
- Angles of 2x1 are in the range from -0.56 to +0.41 degree.
- THIS IS THE MOST CAREFUL MEASUREMENT SO FAR, WHICH DOES NOT SHOW ANY PROBLEM IN THE QC.

Configuration parameters

✓ center/0-end.data (pixel)

197.84	197.86	311.21	98.70	627.36	629.63	710.97	498.82
198.37	198.07	310.14	97.09	624.27	625.14	710.74	497.85
199.71	198.51	308.93	96.20	625.32	625.15	713.14	500.65
198.61	198.16	309.66	97.33	627.60	627.85	714.06	501.72
307.96	95.54	626.89	628.45	512.15	724.70	196.99	197.12
307.48	95.09	625.34	625.39	511.31	724.05	197.25	196.30
306.79	94.19	624.28	624.35	510.14	722.53	196.41	197.17
307.73	95.02	627.16	627.64	512.44	725.03	195.67	195.34
-0.13	-0.12	-0.15	0.09	-0.50	-0.35	-0.57	-0.56
-0.15	-0.11	-0.20	-0.15	-0.28	-0.13	-0.34	-0.16
-0.18	-0.17	-0.13	-0.15	-0.50	-0.52	-0.43	-0.38
0.12	-0.03	0.13	0.27	0.05	0.16	-0.23	-0.22

✓ tilt/0-end.data (degree)

0.10396	0.13358	-0.29607	-0.25659	-0.55526	-0.48898	-0.10725	0.19411
-0.04935	-0.00790	0.20189	0.04523	-0.15136	-0.19439	0.08093	0.40865
-0.30792	-0.25853	-0.16253	0.16842	-0.08220	0.19377	-0.12104	-0.05263
-0.16119	-0.02697	-0.07369	-0.06185	0.00132	0.00526	0.27272	0.11678

✗ offset/0-end.data

0	0	820	820
0	820	820	0
0	0	0	0

✗ offset_corr/0-end.data

0	0	0	0
0	0	0	0
0	0	0	0

✗ marg_gap_shift/0-end.data

15	40	2	25
15	40	2	25
0	0	0	0