

Optical metrology of epix10kaQuad.1 MEC from 2021-01-07

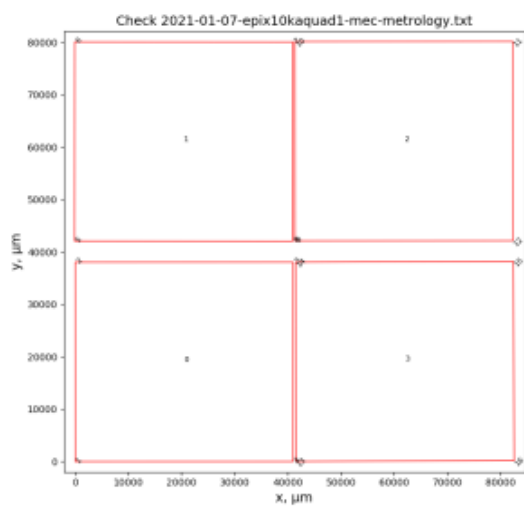
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Metrology data

- [2021-01-07-epix10kaquad1-mec-metrology.xlsx](#)
- [2021-01-07-epix10kaquad1-mec-metrology.txt](#)

Quality check

optical_metrology_check 2021-01-07-epix10kaquad1-mec-metrology.txt



X-Y quality check for optical metrology measurements

segm:	S1	S2	dS1	dS2	L1	L2	dL1	dL2	angle(deg)	D1	D2	dD	d
(dS)	d(dL)												
segm: 0	38010	38014	3	7	40992	41003	-12	-1	0.00699	55906	55909		
-3	-4	-11											
segm: 1	38009	38018	-29	-20	41009	41009	29	29	-0.03423	55922	55912		
9	-9	0											
segm: 2	38012	38019	24	31	41012	41019	-24	-17	0.03842	55927	55920		
7	-7	-7											
segm: 3	38012	38010	121	119	41021	41009	-107	-119	0.16763	55919	55921		
-2	2	12											

Z quality check for optical metrology measurements

segm:	SA	LA	XSize	YSize	dZS1	dZS2	dZL1	dZL2	dZSA	dZLA	ddZS	ddZL	dZX	dZY
angXZ(deg)	angYZ(deg)	dz3(um)												
segm: 0	38012	40997	40997	38012	-154	-176	103	81	-165	92	22	22	92	-165
0.12857	-0.24870	-22.011												
segm: 1	38013	41009	41009	38013	-52	-46	31	37	-49	34	-6	-6	34	-49
0.04750	-0.07386	6.012												
segm: 2	38015	41015	41015	38015	-90	-124	18	-16	-107	1	34	34	1	-107
0.00140	-0.16127	-33.986												
segm: 3	38011	41015	41015	38011	-93	-87	55	61	-90	58	-6	-6	58	-90
0.08102	-0.13566	6.011												

Geometry file

- [/reg/g/psdm/detector/alignment/epix10kaquad/2021-01-07-epix10kaquad1-mec/2021-01-07-epix10kaquad1-mec-geometry.txt](#)

Validation on data

References

- [EPIX10KA2M References](#)