

Optical metrology of epix10kaQuad.2 MEC from 2020-11-13

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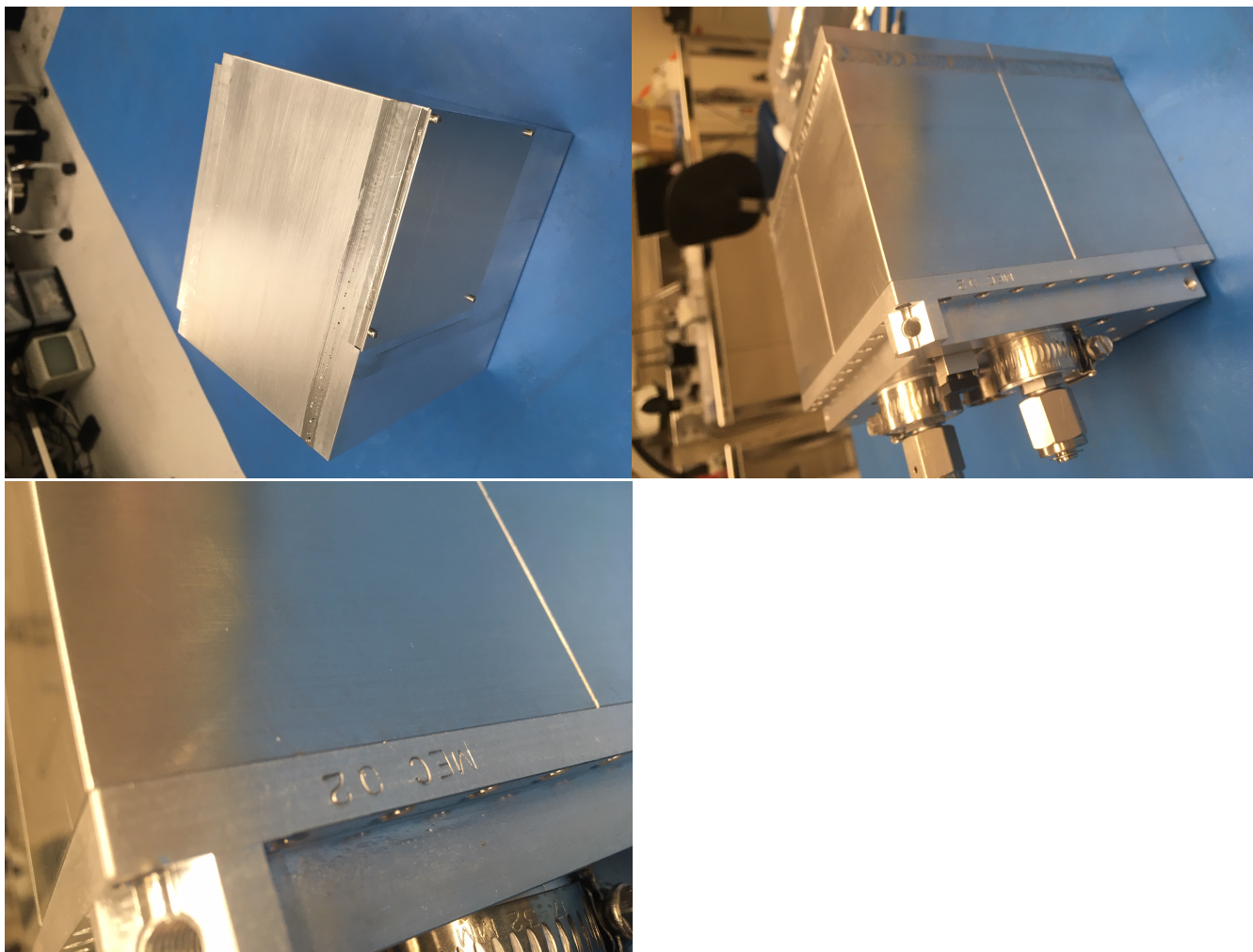
Metrology data

2020-11-13 Chris Kenney - new metrology

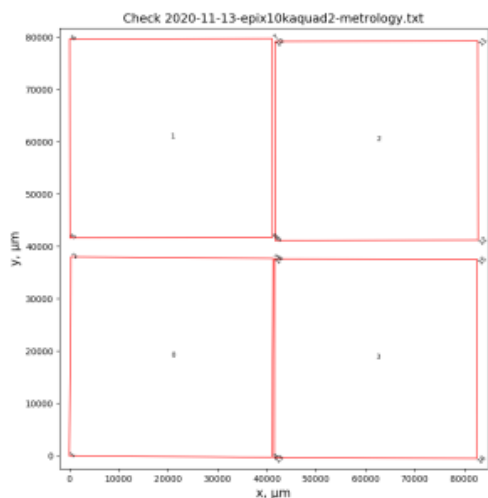
Kenney, Christopher J. <kenney@slac.stanford.edu>
Fri 11/13/2020 3:08 PM

Hi Mikhail,
Metrology for the MEC Quad-2 is attached.
Will drop off detector in ASC in a bit.

- [2020-11-13-epix10kaquad2-metrology.xlsx](#)
- [2020-11-13-epix10kaquad2-metrology.txt](#)



Quality check



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	38007	38010	-310	-307	41049	40983	323	257	-0.43094	55924	55918		
6	-3	66											
segm: 1	37996	38014	51	69	41001	41004	-63	-60	0.08384	55903	55911		
-8	-18	-3											
segm: 2	38012	38022	83	93	41027	41046	-74	-55	0.12287	55954	55928		
26	-10	-19											
segm: 3	38032	38010	-91	-113	41029	41043	54	68	-0.14242	55918	55967		
-49	22	-14											

WARNING segm 0: |66| > 60.0

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	38008	41016	41016	38008	94	63	265	234	78	249	31	31	249	78
0.34853	0.11833	-30.579												
segm: 1	38005	41002	41002	38005	82	-113	306	111	-15	208	195	195	208	-15
0.29135	-0.02337	-195.056												
segm: 2	38017	41036	41036	38017	66	112	330	376	89	353	-46	-46	353	89
0.49285	0.13413	45.828												
segm: 3	38021	41036	41036	38021	-7	-17	256	246	-12	251	10	10	251	-12
0.35045	-0.01808	-10.091												

WARNING segm 1: |-195.1| > 100.0

References

- [EPIX10KA2M References](#)
- [Optical metrology of epix10kaQuad.0 MEC from 2020-10-04](#)

