Qualitau Inc.
830 Maude Avenue
Mountain View, CA
94043

300SA Stage Accuracy Report

Customer Name:	GF - Singapore
System Description:	300SA Prober with ATT Chuck
System #:	QM2

25C Glass Accuracy

Wafer Used:	Precision Glass	
Measurement Method:	Image Recognition *Typical measurement uncertainty is +-1um **See Map on following page for die tested	
Minimum Error:	Xmin: -8.5um	Ymin: -8.2um
Maximum Error:	Xmax: 7.6um	Ymax: 11.2um
Specification:	+-5um	
Pass/Fail:	PASS	

25C Glass Accuracy

Wafer Used:	Precision Glass	
Measurement Method:	Image Recognition *Typical measurement uncertainty is +-1um **See Map on following page for die tested	
Minimum Error:	Xmin: -2.1um	Ymin: -4.2um
Maximum Error:	Xmax: 5.3um	Ymax: 3.7um
Specification:	+-5um	
Pass/Fail:	PASS	

25C Glass Accuracy

Wafer Used:	Precision Glass	
Measurement Method:	Image Recognition *Typical measurement uncertainty is +-1um **See Map on following page for die tested	
Minimum Error:	Xmin: -2.4um	Ymin: -2.2um
Maximum Error:	Xmax: 3.2um	Ymax: 2.0um
Specification:	+-5um	
Pass/Fail:	PASS	

Performed by:	Remy Orans
Date:	29 Jul 2018

Signature: _____

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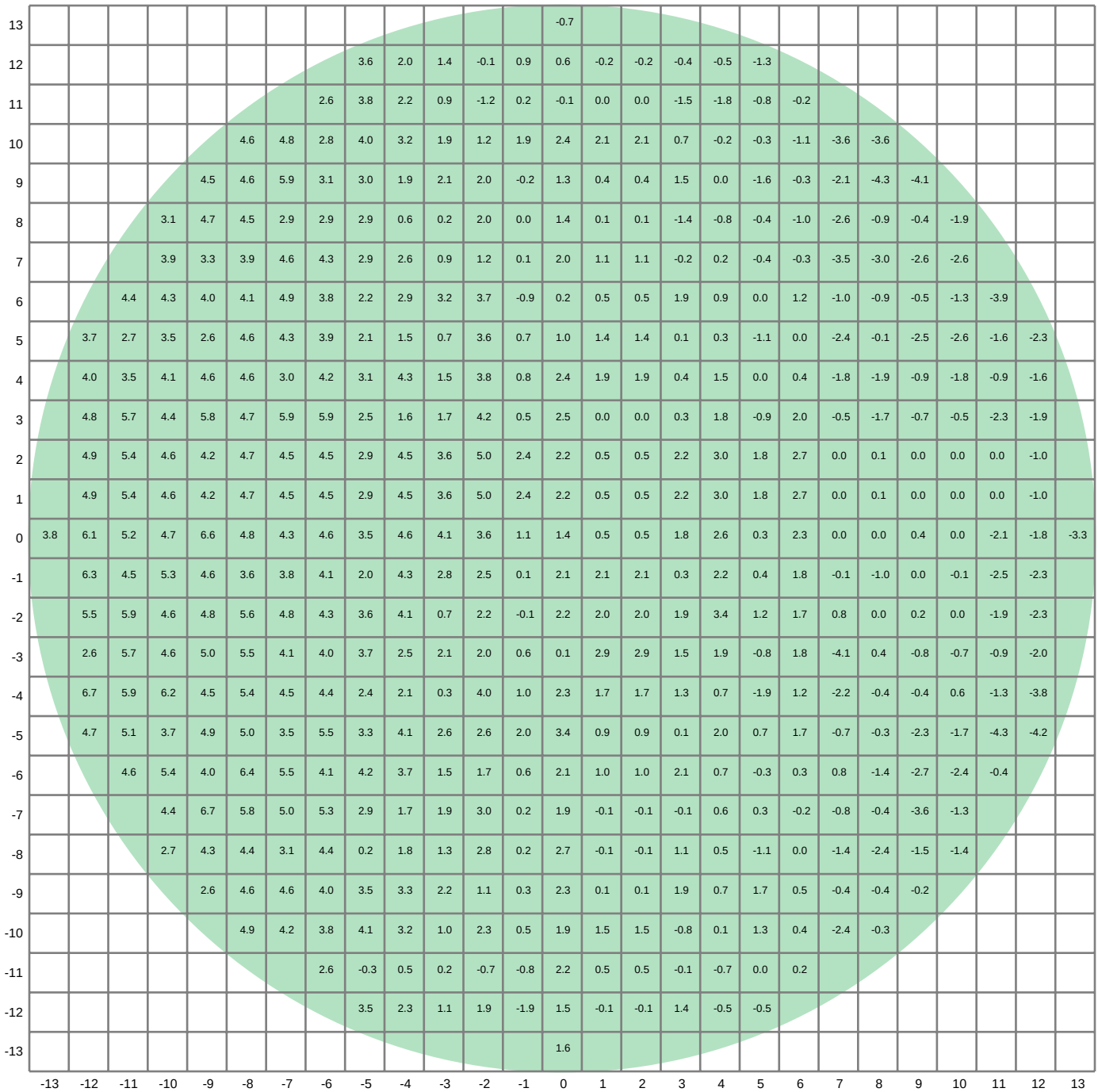
25C Glass Accuracy

X Axis Error Map (um)



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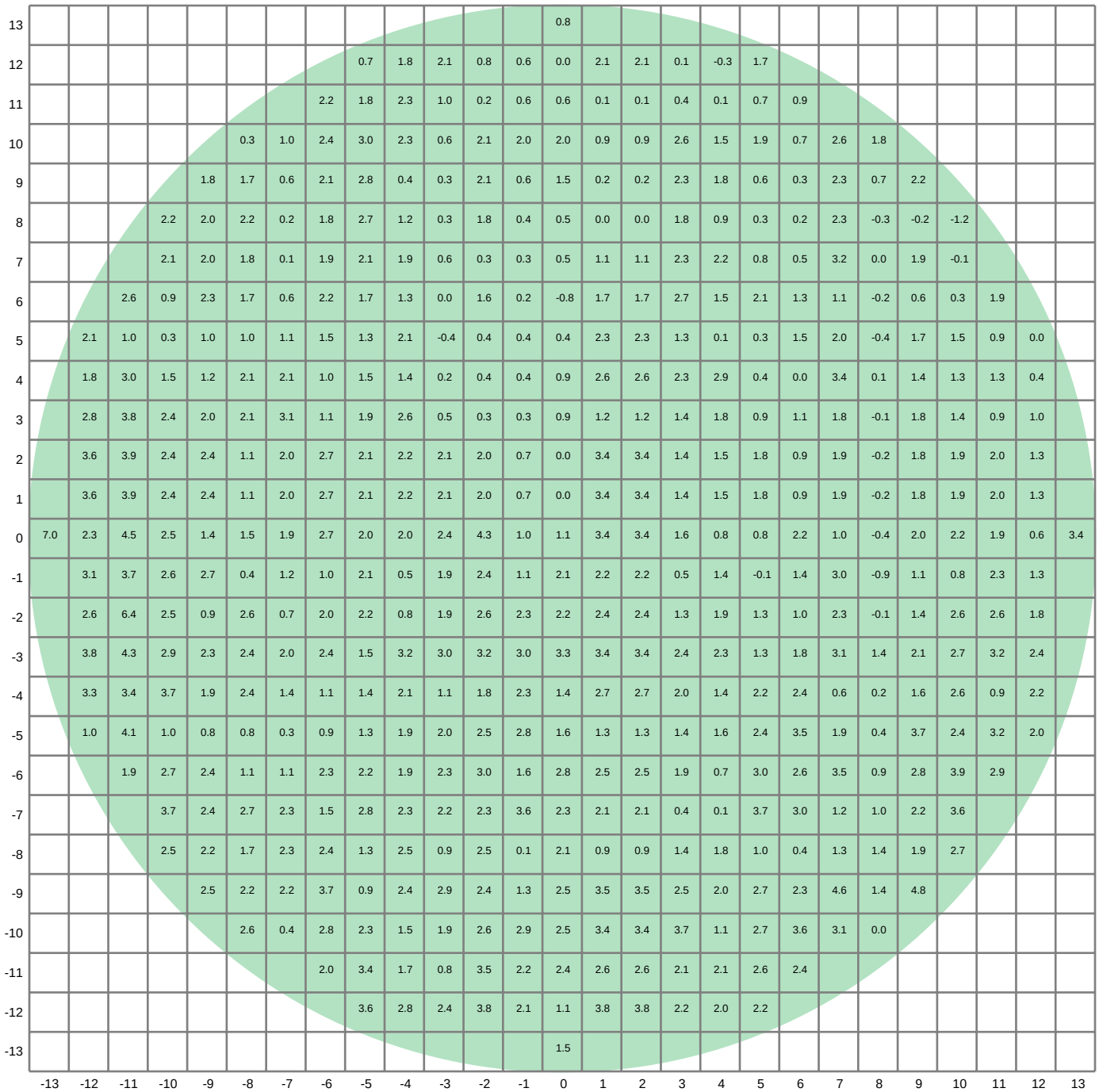
25C Glass Accuracy

Y Axis Error Map (um)



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25C Glass Accuracy

X, Y Error Map (um)

	-3	-2	-1	0	1	2	3
3	4.7, 0.0	3.3, 1.1	3.1, -0.7	1.0, 0.2	3.5, 1.9	1.9, 3.7	0.5, 3.5
2	5.3, -2.1	2.5, -1.0	1.3, -0.3	-0.8, 0.6	2.3, 2.2	1.2, 3.7	0.6, 3.7
1	2.5, -0.9	2.1, 0.2	1.1, 0.8	-1.5, -1.1	2.6, 0.4	1.7, 2.4	1.1, 3.3
0	4.1, -1.3	1.1, 0.0	0.4, 0.8	0.1, 1.3	2.9, 0.5	1.8, 2.4	1.6, 3.6
-1	2.2, -2.9	2.1, -4.2	1.1, -0.4	-0.7, 0.2	2.2, -0.8	0.8, 1.1	0.8, 2.1
-2	3.6, -3.5	1.9, -1.2	0.7, -1.1	-2.1, 0.0	1.7, -1.3	1.2, 0.6	0.6, 1.9
-3	3.5, -3.7	2.1, -2.2	1.0, -1.2	-0.1, -0.6	0.0, -1.2	0.0, 0.4	0.1, 1.7

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25C Glass Accuracy

X, Y Error Map (um)

	-3	-2	-1	0	1	2	3
3	3.2, 0.2	2.3, -0.3	2.2, 0.0	1.0, 0.7	1.2, 0.9	-0.1, 2.0	-1.2, 1.7
2	2.3, 0.0	1.3, -0.6	1.1, 0.0	0.0, 0.3	0.8, 0.3	-0.8, 1.5	-1.9, 0.9
1	2.7, -0.8	1.7, -1.4	1.4, -0.2	0.2, 0.0	1.0, 0.2	0.0, 1.3	-1.7, 0.9
0	2.5, -0.7	1.4, -0.9	1.4, -0.1	0.0, 0.1	1.0, 0.8	0.0, 2.0	-1.9, 1.1
-1	1.9, -0.9	0.8, -1.2	1.2, -0.3	0.1, 0.0	0.9, 0.0	-0.2, 1.6	-2.1, 0.2
-2	1.3, -1.1	0.1, -1.5	0.0, -0.7	-0.4, -0.5	0.0, 0.0	-0.8, 1.1	-2.4, 0.2
-3	1.4, -1.3	0.1, -2.2	0.2, -1.0	-0.4, -0.2	0.0, 0.0	-1.1, 0.4	-2.4, 0.0