

MEMORANDUM

From: Johan Vercammen

Date: 170895

To: Leo Schlegel, Danny Monteny, Chiaki Satoh
Ignace Borde, Chris Sabbe

cc: Johan Heyman
Fred Le Roy
Freddy Ponnet

Subject: Preacceptance results FPA3000I4, #1.

Attached table contains the results of the preacceptance tests for the FPA3000I4, #1. All of the tests carried out where within the agreed specifications. The tests for 0.35 and 0.32 μ (UDOF measurement and Linewidth repeatability) are not done since the Hitachi 8820 Sem is not yet operational. The equivalent tests for 0.5 μ were successfull (measured on Hitachi S6200 system). Data printout of all results are available at Leo Schlegels desk.

	SPECIFICATION	RESULT	TEST
1. ILLUMINATOR	Intensity (Normal Illumination)	1074.7 mW/cm ²	Pass 1a
	Intensity (Off-Axis Illumination, Sia)	≥ 400mW/cm ²	Pass 1a
	Intensity (Off-Axis Illumination, Sib)	557.7 mW/cm ²	Pass 1a
	Illumination Uniformity (Normal Illumination)	579.5 mW/cm ²	Pass 1b
	Illumination Uniformity (Off-Axis Illumination, Sia)	0.40%	Pass 1b
	Illumination Uniformity (Off-Axis Illumination, Sib)	0.70%	Pass 1b
	Dose Control Accuracy (80 msec)	0.70%	Pass 1c
	Dose Repeatability CD Method (28 days)	0.225	Pass 1d
		final acceptance	
		final acceptance	
2. EXPOSURE PERFORMANCE	Dose Matching Between Steppers CD Method	waiting sem	1e
		-0.0068 μ (X), +0.0018 μ (Y), FPA5 to FPA1	Pass
	Lamp Lifetime	>850 hrs	Pass
	Masking Blade Accuracy (Wafer level)	Max error : 35 μ	Pass 1f
	Reticle Change Time (Including Alignment)	50.9 secs	Pass 1g
	Resolution (Normal Illumination)	wait sem	2a
	Resolution (Off-Axis Illumination)	wait sem	2a
	UDoF* (Normal Illumination)	wait sem	2b
	UDoF* (Off-Axis Illumination)	wait sem	2c
	Image Surface Width (Normal and Off-Axis Illumination)	1.2 μ range	Pass 2b
	Proximity Effect (Normal Illumination)	wait sem	
	Asymmetric Resist Profile (Normal and Off-Axis Illumination)	0.038 μ	Pass 2c
	Linewidth Repeatability Within Field	0.19 to 3.33°	Pass 2c
	Linewidth Repeatability Within Wafer	wait sem	
		0.048 μ range	Pass 2d
		wait sem	
		0.025 μ range	Pass 2e
3. AUTO FOCUS ACCURACY	Distortion - Deviation From Ideal Cartesian Grid (Normal Illumination)	dx max : 0.017 μ, dy max : 0.016 μ	Pass
	Distortion - Deviation From Ideal Cartesian Grid (Off-Axis Illumination)	dx max : 0.013 μ, dy max : 0.021 μ	Pass
	Intrafield Matching to Mietec Reference Wafer (2000i1 #268)	dx max : 0.016 μ, dy max : 0.028 μ	Pass
	Intrafield Matching to all Mietec Steppers (2000i1 #2)	dxmax : 0.020 μ, dy max : 0.061 μ	Pass
	Intrafield Matching to all Mietec Steppers (2000i1 #3)	dxmax : 0.036 μ, dy max : 0.049 μ	Pass
	Intrafield Matching to all Mietec Steppers (2000i1 #4)	dxmax : 0.021 μ, dy max : 0.028 μ	Pass
	Stability		3b
	Over 5 days	0.24 μ	Pass
	Over 28 days	Final acceptance	
	Maximum Deviation of Best Focus between Bare Silicon, Nitride, Polysilicon and Metal Wafers	Final acceptance	3b
	Global Levelling	X : 0.69 ppm, Y : 0.55 ppm	Pass 3c

	Die by Die Levelling Stability (Single Shot 25 times)	≤ 0.10µ 3sd ≤ 7ppm	0.026 µ 3sd X : 3.522 ppm, Y : 2.828 ppm	Pass Pass	3a 3e
	Die By Die Levelling Repeatability (32 Shots)				
4. AUTO ALIGNMENT ACCURACY HeNe and Broadband	Reticle Rotation Accuracy	≤ ± 0.01µ	0.002 µ	Pass	4a
	Reticle Rotation Repeatability	≤ 0.02µ range	0.005 µ	Pass	4a
	Single Machine (Resist to Resist, Mode 1, Day1)	≤ 0.06µ X + 3sd	YI : 0.057 µ, Yr : 0.053 µ, X : 0.021 µ	Pass	4b
	Single Machine (Resist to Resist, Mode 1, Day2)	≤ 0.06µ X + 3sd	YI : 0.049 µ, Yr : 0.046 µ, X : 0.017 µ	Pass	4b
	Single Machine (Resist to Resist, Mode 1, Day3)	≤ 0.06µ X + 3sd	YI : 0.038 µ, Yr : 0.044 µ, X : 0.020 µ	Pass	4b
	Single Machine (Resist to Resist, Mode 4, Day1)	≤ 0.06µ X + 3sd	YI : 0.030 µ, Yr : 0.029 µ, X : 0.030 µ	Pass	4b
	Single Machine (Resist to Resist, Mode 4, Day2)	≤ 0.06µ X + 3sd	YI : 0.035 µ, Yr : 0.037 µ, X : 0.028 µ	Pass	4b
	Single Machine (Resist to Resist, Mode 4, Day3)	≤ 0.06µ X + 3sd	YI : 0.035 µ, Yr : 0.037 µ, X : 0.029 µ	Pass	4b
	Machine to Machine (Resist to Resist, stepper1 to stepper 5, Day 1)	≤ 0.09µ X + 3sd	YI : 0.067 µ, Yr : 0.045 µ, X : 0.035 µ	Pass	4c
	Machine to Machine (Resist to Resist, stepper1 to stepper 5, Day 1)	≤ 0.09µ X + 3sd	YI : 0.059 µ, Yr : 0.059 µ, X : 0.035 µ	Pass	4c
	Machine to Machine (Resist to Resist, stepper1 to stepper 5, Day 1)	≤ 0.09µ X + 3sd	YI : 0.068 µ, Yr : 0.060 µ, X : 0.033 µ	Pass	4c
	Overlay Guarantee ALL Process Layers and ALL Machines	≤ 0.20µ X + 3sd	Final acceptance		4d
	Layer and Device Alignment Offsets	Fixed	Final acceptance		4e
5. X-Y STAGE	Stepping Accuracy Wafer 1	≤ 0.04µ 3sd	xx : 0.01 µ, yy : 0.03 µ	Pass	5a
	Stepping Accuracy Wafer 2	≤ 0.04µ 3sd	xx : 0.013 µ, yy : 0.029 µ	Pass	5a
	Stepping Accuracy Wafer 3	≤ 0.04µ 3sd	xx : 0.011 µ, yy : 0.03 µ	Pass	5a
	Scaling	≤ ± 0.5ppm	X : -0.34 ppm, Y : 0.06 ppm	Pass	5a
	Orthogonality	≤ ± 0.5ppm	-0.03 ppm	Pass	5a
6. PRE-ALIGNMENT ACCURACY	Mechanical Prealignment Accuracy	≤ 30µ 3sd	YL : 3.66 µ, YR : 11.45 µ, X : 4.90 µ	Pass	6a
7. OPTICAL EBR	Edge Bead Removal Range	0 - 6mm (0.1mm Step)	1mm 3mm 6mm	Pass	7
	Edge Bead Removal Accuracy	+0.3/-0.5mm	-0.05 -0.09 -0.12	Pass	7
8. CONTAMINATION	Particles ≥ 0.3µ Added Per 150mm Wafer Per Pass	≤ 10	0.4	Pass	8
	Particles ≥ 0.5µ Added Per 150mm Wafer Per Pass	≤ 3	0.2	Pass	
9. RELIABILITY	Cycled Wafers Through Coat, Expose and Develop Without Error/Assist:				
	Test i)	25	25	Pass	9
	Test ii)	500	500	Pass	
	MTBF	≥ 500hrs	Final Acceptance		
	MTTR	≤ 2hrs	Final Acceptance		
	Guaranteed Uptime	≥ 93%	Final Acceptance		
10. THROUGHPUT	Number Of Wafers Without Error/Assist	≥ 1000	Final Acceptance		
	Number Of Wafers Without Breakage	≥ 20000	Final Acceptance		
	150mm Wafers Per Hour With AGA, Multimark, 45 Shots Per Wafer, 20mmx20mm and 0.15secs Exposure				10
	Die By Die Levelling ON	≥ 69	72.8	Pass	
11. COMPACT CHAMBER	Die By Die Levelling OFF	≥ 68	70.95	Pass	
	Temperature Control	≤ ± 0.1°C	≤ ± 0.1°C	Pass	

Canon FPA3000i4 #1 Pre-Acceptance Result in Alcatel Mietec

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	Item	Specification	Result	Judge
1.Illuminator	Intensity(Normal Illumination)	> 6500W/m2	10747 W/m2	OK
	Intensity(SIA)	> 4000W/m2	5577 W/m2	OK
	Intensity(SIB)	> 4000W/m2	5795 W/m2	OK
	Uniformity(Normal)	< +1.0%	0.40%	OK
	Uniformity(SIA)	< +1.3%	0.70%	OK
	Uniformity(SIB)	< +1.3%	0.70%	OK
	Dose control accuracy	< +1.0%	0.23%	OK
	Dose Repeatability CD Method			
	28days 0.35 + 0.035 μ	Cp > 1.0		final
	0.50 + 0.050 μ	Cp > 1.3		final
	Dose Matching Between Steppers			
	0.50 μ	< + 0.015 μ	V:-0.006 H:+0.002	OK
	Masking Blade Accuracy (Wafer level)	< + 100 μ	MAX 35 μ	OK
	Reticle Change Time (Including Alignment)	< 60sec	50.9 sec	OK
2.Exposure Performance	Resolution(Normal)	< 0.35 μ	waiting SEM	
	Resolution(Off-Axis)	< 0.32 μ	waiting SEM	
	UDOF(Normal)			
	0.35 μ lines/spaces	> 0.6 μ range	waiting SEM	
	0.50 μ lines/spaces	> 1.2 μ range	1.3 μ range	OK
	UDOF(Off-Axis)			
	0.32 μ lines/spaces	> 0.8 μ range	waiting SEM	
	Image Surface Width (0.35 μ m L&S)	< 0.4 μ	waiting SEM	
	Proximity Effect (0.5 μ m L&S)	< 0.05 μ	0.038 μ	OK
	Asymmetric Resist Profile (0.5 μ mL&S)	< 5.0 °	Max 3.3 °	OK
	Linewidth Repeatability within field			
	0.35 μ lines/spaces	> 0.04 μ range	waiting SEM	
	0.50 μ lines/spaces	> 0.05 μ range	waiting SEM	
	Linewidth Repeatability within wafer			
	0.35 μ lines/spaces	> 0.04 μ range	waiting SEM	
	0.50 μ lines/spaces	> 0.05 μ range	waiting SEM	
	Distortion (Normal Illumination)	< + 0.05 μ	dxmax:0.017 dymax:0.016	OK
	Distortion (SIA)	< + 0.06 μ	dxmax:0.013 dymax:0.021	OK
	Distortion (SIB)	< + 0.06 μ	dxmax:0.016 dymax:0.028	OK
	Intrafield Matching to (Mietec i1 #1)	< + 0.08 μ	dxmax:0.056 dymax:0.040	OK
	Intarfield Matching to all steppers	< + 0.08 μ		
3.Auto Focus	Stability		D1 -0.25,D2 -0.37,D3 -0.23	
	Over 5 days	< 0.3 μ range	D4 -0.18,D5 -0.13	
			Range 0.24 μ	OK
	Maximum Deviation of best focus			final
	among the various layer	< 0.3 μ range		
	Global Levelling	< 7 ppm	x:0.7ppm y:0.5ppm	OK
	Die by Die Levelling Stability	< 0.10 μ 3 σ	0.026 μ	OK
	Die by Die Levelling Repeatability	< 7 ppm	x:3.5ppm y:2.8ppm	OK
4.AA accuracy	Reticle Rotation Accuracy	< + 0.01 μ	- .0081 μ	OK
	Reticle Rotation Repeatability	< 0.02 μ range	0.010 μ	OK

Canon FPA3000i4 #1 Pre-Acceptance Result in Alcatel Mietec

2/2

Item	Specification	Result	Judge
Single Machine (Resist to Resist)	$\leq 0.06 \mu X + 3sd$		OK
Mode1 m +3sig Day1	Day 2	Day 3	
w1: 20 54 52	16 48 49	22 35 33	
w2: 16 50 46	19 35 37	14 31 34	
w3: 25 44 35	16 35 32	14 35 41	
w4: 15 58 60	19 43 35	25 36 35	
w5: 17 52 43	16 34 35	19 45 52	
Mode4 m +3sig Day1	Day 2	Day 3	OK
w1: 29 30 27	27 36 35	27 34 39	
w2: 29 33 36	24 41 44	39 31 30	
w3: 26 31 26	26 23 34	28 35 39	
w4: 26 25 27	30 35 30	22 33 35	
w5: 36 28 25	26 39 37	29 41 41	
Machine to Machine (Resist to Resist)	$\leq 0.09 \mu X + 3sd$		OK
m +3sig Day 1	Day 2	Day 3	
w1: 37 60 50	36 31 55	31 52 56	
w2: 41 64 42	32 50 42	35 76 43	
w3: 34 57 30	42 63 52	37 54 32	
w4: 28 80 50	33 50 50	31 72 49	
w5: 30 61 38	28 57 42	30 36 64	
5.X-Y stage	Stepping Accuracy	$\leq + 0.04 \mu 3\sigma$	x: 0.013 μ y: 0.030 μ OK
	Scaling(Mietec reference wafer)	$\leq + 0.5 \text{ ppm}$	x:-0.34ppm y:0.06ppm OK
	Orthogonality(CW 90deg method)	$\leq + 0.5 \text{ ppm}$	-0.03 ppm OK
6.Pre-alignment Accuracy	Mecahnical Prealignment Accuracy	$\leq + 30 \mu 3\sigma$	X: 4.9 Yl: 3.7 Yr: 11.4 OK
7.Optical EBR	Edge Bead Removal Range	0 - 6 mm	1mm; 3mm; 6mm OK
	Edge Bead Removal Accuracy	+0.3/-0.5 mm	-0.05 -0.09 -0.12 OK
8.Contamination	Particles $\geq 0.3 \mu$ Added Wf/pass	≤ 10	0.4 #/wf/pass OK
	Particles $\geq 0.5 \mu$ Added Wf /pass	≤ 3	0.2 #/wf/pass OK
9.Reliability	Cycled Wafers		
	Error/Assist		
	Test i)	25	OK
	Test ii)	500	OK
10.Throughput	Die by Die Leveling OFF	≥ 69	72.8 W/h OK
	Die by Die Leveling ON	≥ 68	70.9 W/h OK
11.COMPACT CHAMBER	Temperature Control	$\leq + 0.1 \text{ C}$	OK

Test SA SB : Illuminator Intensity Illuminator Uniformity

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	1	2	3	4	5	6	7	8	9	10	11	12	13
1	99.3	99.5	99.6	99.8	99.8	99.9	100.0	100.0	100.1	100.1	100.2	100.1	100.1
2	99.5	99.7	99.8	99.9	99.8	100.0	100.0	100.1	100.1	100.1	100.1	100.2	100.2
3	99.7	99.9	99.9	100.0	100.0	100.1	100.1	100.0	100.1	100.1	100.1	100.1	100.1
4	99.7	99.9	100.0	100.0	100.0	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1
5	99.8	99.9	100.0	100.0	100.0	100.0	100.1	100.0	100.0	99.9	99.9	100.0	100.1
6	99.8	99.9	99.9	100.0	99.9	100.0	99.9	99.8	99.7	99.7	99.7	99.8	99.9
7	99.8	99.9	99.9	99.9	99.9	99.9	99.7	99.6	99.5	99.5	99.5	99.6	99.5
8	99.7	99.8	99.8	99.8	99.9	99.7	99.5	99.4	99.4	99.3	99.4	99.4	99.5
9	99.7	99.8	99.8	99.8	99.8	99.6	99.4	99.3	99.3	99.8	99.8	99.7	99.4
10	99.6	99.8	99.8	99.8	99.7	99.5	99.3	99.2	99.6	99.9	99.8	99.8	99.7
11	99.7	99.8	99.8	99.9	99.8	99.5	99.4	99.3	99.8	99.9	99.9	100.0	99.8
12	99.7	99.8	99.8	99.8	99.7	99.5	99.4	99.2	99.5	99.8	99.9	99.9	99.8
13	99.6	99.6	99.7	99.7	99.7	99.5	99.3	99.2	99.1	99.4	99.6	99.5	99.2
14	99.6	99.7	99.7	99.7	99.7	99.6	99.5	99.3	99.2	99.2	99.1	99.1	99.2
15	99.6	99.7	99.6	99.7	99.6	99.6	99.5	99.5	99.3	99.3	99.2	99.2	99.3
16	99.6	99.7	99.7	99.7	99.7	99.6	99.6	99.5	99.4	99.4	99.3	99.4	99.3
17	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.6	99.6	99.6	99.6	99.5	99.6
18	99.6	99.7	99.8	99.8	99.7	99.7	99.7	99.7	99.7	99.6	99.6	99.6	99.7
19	99.6	99.7	99.7	99.8	99.8	99.7	99.7	99.8	99.7	99.7	99.7	99.6	99.7
20	99.6	99.7	99.7	99.7	99.8	99.7	99.7	99.7	99.8	99.7	99.7	99.7	99.7
21	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.7	99.7	99.7	99.7

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	14	15	16	17	18	19	20	21
1	100.1	100.2	100.3	100.3	100.2	100.1	100.1	99.9
2	100.2	100.2	100.3	100.4	100.4	100.4	100.3	100.1
3	100.1	100.3	100.2	100.3	100.3	100.4	100.4	100.3
4	100.2	100.2	100.3	100.3	100.3	100.4	100.3	100.3
5	100.2	100.2	100.2	100.3	100.4	100.3	100.3	100.3
6	100.0	100.1	100.2	100.3	100.4	100.4	100.3	100.3
7	99.8	100.0	100.1	100.3	100.3	100.3	100.3	100.3
8	99.6	99.9	100.1	100.1	100.2	100.3	100.3	100.2
9	99.4	99.7	99.9	100.0	100.2	100.2	100.2	100.2
10	99.3	99.5	99.7	99.9	100.1	100.2	100.2	100.2
11	99.3	99.5	99.6	99.8	100.1	100.1	100.2	100.1
12	99.3	99.5	99.6	99.8	100.1	100.1	100.1	100.1
13	99.3	99.4	99.6	99.8	99.9	100.0	100.0	99.9
14	99.4	99.5	99.7	99.8	100.0	100.0	100.0	99.9
15	99.4	99.6	99.7	99.8	99.9	99.9	99.9	99.9
16	99.5	99.6	99.8	99.8	99.9	99.8	99.9	99.8
17	99.7	99.7	99.7	99.8	99.9	99.9	99.9	99.9
18	99.7	99.7	99.8	99.9	99.9	100.0	99.9	99.9
19	99.8	99.7	99.8	99.9	99.9	100.0	99.9	99.8
20	99.8	99.8	99.8	99.9	99.9	99.9	99.8	99.7
21	99.7	99.8	99.8	99.8	99.8	99.7	99.7	99.5

[file information]

file_name : iuc
date : 1995/08/02
time : 22:14:55
Region x : 20.0000 (mm)
Region y : 20.0000 (mm)
Pitch x : 1.0000 (mm)
Pitch y : 1.0000 (mm)
IUC value : 0.7 (%)
UCO : 5577.000

SIA
off-axis

off-axis SIA

	[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]
[1]	99.6	99.8	99.9	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.2	100.1
[2]	99.8	99.9	100.1	100.1	99.6	100.1	100.2	100.2	100.2	100.2	100.2	100.2	100.2
[3]	99.9	100.1	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.3	100.3
[4]	99.9	100.2	100.2	100.2	100.2	100.3	100.3	100.3	100.2	100.2	100.2	100.3	100.3
[5]	100.0	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.2	100.3	100.3
[6]	100.0	100.1	100.1	100.2	100.2	100.2	100.1	100.1	100.1	100.1	100.1	100.2	100.2
[7]	100.1	100.1	100.2	100.1	100.0	100.0	100.1	100.1	100.0	100.0	100.0	100.0	100.0
[8]	100.1	100.1	100.1	100.1	100.1	100.0	100.0	100.0	99.9	99.9	99.9	99.9	100.0
[9]	100.1	100.1	100.1	100.1	100.1	100.0	100.0	99.9	99.9	99.9	99.8	99.9	99.8
[10]	100.0	100.2	100.1	100.1	100.1	100.0	99.9	99.9	99.9	99.9	99.9	99.9	99.8
[11]	100.1	100.2	100.0	100.1	100.1	100.1	100.0	99.9	99.9	99.9	99.9	99.9	99.3
[12]	100.1	100.2	100.1	100.1	100.1	100.0	100.0	99.9	99.9	99.9	99.8	99.8	99.8
[13]	100.1	100.2	100.2	100.1	100.0	100.0	100.0	99.8	99.8	99.8	99.8	99.7	99.7
[14]	100.1	100.2	100.1	100.1	100.1	100.1	100.0	99.9	99.8	99.8	99.8	99.7	99.8
[15]	100.1	100.3	100.1	100.2	100.2	100.1	100.1	100.0	99.9	99.9	99.8	99.8	99.9
[16]	100.1	100.3	100.2	100.3	100.2	100.1	100.1	100.1	100.0	99.9	99.9	99.9	99.8
[17]	100.1	100.3	100.2	100.2	100.2	100.1	100.1	100.0	100.0	100.0	99.9	99.9	100.0
[18]	100.2	100.1	100.2	100.2	100.2	100.2	100.1	100.1	100.1	100.0	100.0	100.0	100.0
[19]	100.1	100.2	100.2	100.2	100.3	100.2	100.2	100.2	100.1	100.1	100.1	100.1	100.1
[20]	100.1	100.2	100.3	100.3	100.2	100.2	100.2	100.2	100.2	100.1	100.1	100.1	100.1
[21]	100.0	100.1	100.2	100.2	100.3	100.2	100.2	100.1	100.1	100.1	100.1	100.0	100.0

SA

	[14]	[15]	[16]	[17]	[18]	[19]	[20]	[21]
[1]	100.2	100.2	100.2	100.2	100.2	100.1	100.0	99.8
[2]	100.2	100.2	100.3	100.2	100.3	100.2	100.2	100.0
[3]	100.2	100.2	100.2	100.2	100.3	100.3	100.2	100.1
[4]	100.3	100.2	100.2	100.3	100.3	100.3	100.2	100.1
[5]	100.3	100.3	100.2	100.3	100.3	100.3	100.2	100.1
[6]	100.2	100.3	100.3	100.3	100.3	100.3	100.2	100.1
[7]	100.1	100.2	100.2	100.1	100.3	100.3	100.2	100.1
[8]	100.0	100.1	100.2	100.2	100.3	100.3	100.2	100.1
[9]	99.9	100.0	100.1	100.1	100.2	100.2	100.2	100.1
[10]	99.8	100.0	100.0	100.1	100.2	100.2	100.2	100.1
[11]	99.9	100.0	100.0	100.1	100.2	100.2	100.2	100.2
[12]	99.9	99.9	100.0	100.1	100.2	100.2	100.2	100.2
[13]	99.8	99.9	100.0	100.1	100.1	100.2	100.2	100.1
[14]	99.9	100.0	100.1	100.1	100.1	100.2	100.2	100.1
[15]	99.9	100.0	100.1	100.1	100.2	100.2	100.2	100.2
[16]	100.0	100.0	100.1	100.2	100.2	100.1	100.2	100.2
[17]	100.0	100.1	100.2	100.2	100.3	100.3	100.3	100.2
[18]	100.1	100.1	100.2	100.3	100.3	100.3	100.3	100.2
[19]	100.1	100.1	100.2	100.3	100.3	100.3	100.3	100.2
[20]	100.1	100.2	100.2	100.3	100.3	100.3	100.2	100.1
[21]	100.0	100.1	100.1	100.1	100.2	100.2	100.1	100.0

[file information]

file_name : iuc
date : 1995/08/02
time : 22:03:45
Region x : 20.0000 (mm)
Region y : 20.0000 (mm)
Pitch x : 1.0000 (mm)
Pitch y : 1.0000 (mm)
IUC value : 0.4 (%)
UCO : 10747.000

Standard Illumination

Test SA, SB Illuminator Intensity, Illuminator Uniformity

Wed Aug 2 15:23:45 1995 Uniformity Check iuc Page 1-1

	1	2	3	4	5	6	7	8	9	10	11	12	13
1	99.0	99.1	99.3	99.4	99.4	99.5	99.5	99.4	99.5	99.5	99.5	99.5	99.6
2	99.2	99.3	99.4	99.5	99.4	99.5	99.6	99.6	99.5	99.6	99.6	99.6	99.6
3	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
4	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
5	99.3	99.4	99.5	99.5	99.5	99.6	99.6	99.5	99.5	99.4	99.5	99.6	99.6
6	99.3	99.4	99.5	99.5	99.5	99.6	99.5	99.4	99.3	99.3	99.3	99.4	99.5
7	99.3	99.4	99.4	99.5	99.5	99.5	99.3	99.2	99.1	99.1	99.2	99.2	99.2
8	99.2	99.4	99.4	99.4	99.4	99.4	99.2	99.0	99.0	99.0	99.1	99.1	99.2
9	99.1	99.3	99.3	99.4	99.4	99.3	99.1	99.0	98.9	99.5	99.6	99.5	99.2
10	99.2	99.3	99.4	99.3	99.3	99.2	99.0	99.0	99.4	99.7	99.7	99.7	99.6
11	99.1	99.3	99.2	99.4	99.4	99.3	99.2	99.1	99.7	99.9	100.0	99.9	99.8
12	99.2	99.3	99.3	99.4	99.4	99.3	99.2	99.1	99.5	99.9	100.0	99.9	99.9
13	99.2	99.3	99.3	99.3	99.4	99.2	99.2	99.1	99.1	99.5	99.7	99.7	99.2
14	99.2	99.3	99.3	99.3	99.4	99.4	99.3	99.2	99.2	99.1	99.2	99.2	99.2
15	99.3	99.4	99.4	99.4	99.5	99.5	99.4	99.4	99.3	99.3	99.3	99.3	99.4
16	99.3	99.5	99.5	99.5	99.6	99.5	99.5	99.5	99.5	99.5	99.4	99.5	99.5
17	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8
18	99.4	99.5	99.6	99.7	99.7	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8
19	99.4	99.6	99.7	99.7	99.8	99.7	99.7	99.8	99.7	99.7	99.7	99.7	99.8
20	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.7	99.8
21	99.4	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

Wed Aug 2 15:23:45 1995 Uniformity Check iuc Page 1-2

	14	15	16	17	18	19	20	21
1	99.6	99.7	99.8	99.8	99.9	99.9	99.8	99.7
2	99.7	99.7	99.8	99.9	100.0	100.0	100.0	99.9
3	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0
4	99.7	99.7	99.9	100.0	100.0	100.1	100.1	100.0
5	99.7	99.8	99.9	100.0	100.1	100.0	100.1	99.9
6	99.7	99.8	99.9	100.0	100.0	100.1	100.1	99.9
7	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0
8	99.3	99.6	99.8	100.0	100.0	100.0	100.0	99.9
9	99.2	99.5	99.7	99.8	100.0	100.0	100.0	99.9
10	99.2	99.4	99.6	99.8	100.0	100.0	100.0	99.9
11	99.3	99.4	99.6	99.7	100.0	100.0	100.0	99.9
12	99.3	99.4	99.6	99.8	100.0	100.0	100.0	99.9
13	99.2	99.4	99.6	99.8	99.9	99.9	99.9	99.8
14	99.4	99.5	99.7	99.9	99.9	100.0	99.9	99.8
15	99.5	99.7	99.8	99.9	100.0	99.9	99.9	99.9
16	99.7	99.8	99.9	100.0	100.0	99.9	100.0	100.0
17	99.8	99.9	100.0	100.0	100.1	100.1	100.1	100.0
18	99.8	99.9	100.0	100.1	100.1	100.1	100.1	100.0
19	99.9	99.9	100.0	100.1	100.1	100.2	100.1	100.0
20	99.9	99.9	100.0	100.1	100.1	100.1	100.0	99.9
21	99.8	99.9	100.0	99.9	100.0	100.1	100.0	99.8

[file information]

file_name : iuc
 date : 1995/08/02
 time : 22:25:42
 Region x : 20.0000 (mm)
 Region y : 20.0000 (mm)
 Pitch x : 1.0000 (mm)
 Pitch y : 1.0000 (mm)
 IUC value : 0.7 (%)
 UC0 : 5795.000

SiB

OPR axis SiB

Test 3C: Dose Control Accuracy (80 msec)

Check Light Integ. Repeatability

Date : Wed Aug 2 15:28:02 1995

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Light Integrator Repeatability Check

Light Integrator Matching Coef. ; 1.000

Li/UC rate (Li offset). ; 1.005

set shutter unit exposure dose ; 804.4 J/m2

	UC/Coef. (J/m2)	Li/Coef (J/m2)	UC/Li
1	807.5	803.5	1.005
2	807.5	804.0	1.004
3	806.5	803.0	1.004
4	807.0	803.0	1.005
5	807.0	803.0	1.005
6	806.0	802.5	1.004
7	806.5	803.0	1.004
8	808.0	804.5	1.004
9	807.0	803.0	1.005
10	806.0	803.0	1.004
11	807.5	804.0	1.004
12	806.5	803.0	1.004
13	807.5	803.5	1.005
14	807.5	804.5	1.004
15	807.5	803.5	1.005
16	808.0	804.0	1.005
17	808.0	804.5	1.004
18	806.5	803.0	1.004
19	807.5	804.0	1.004
20	808.5	804.5	1.005
21	807.5	803.5	1.005
22	806.5	803.5	1.004
23	809.0	804.5	1.006
24	806.0	802.5	1.004
25	807.0	803.0	1.005

Sample Count 25

	UC/Coef. (J/m2)	Li/Coef (J/m2)	UC/Li
Max	809.0	804.5	1.006
Min	806.0	802.5	1.004
Range	3.0	2.0	0.002
Average	807.2	803.5	1.005
3-sigma	2.33	1.96	0.0014
Distribution	0.2%	0.1%	0.1%

1. C.

$$\text{Error} = \left[\frac{807.2}{800} - 1 \right] \times 100 = 0.9$$

$$\text{Linearity} = \frac{0.944 - 0.894}{2} = 0.025$$

$$\text{Total accuracy} = 0.225$$

Test 2c: Dose Control Accuracy (250 msec)

Check Light Integ. Repeatability

Date: Wed Aug 2 15:29:56 1995

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Light Integrator Repeatability Check

Light Integrator Matching Coef. ; 1.000

Li/UC rate (Li offset). ; 1.005

set shutter unit exposure dose ; 2513.7J/m2

	UC/Coef.(J/m2)	Li/Coef(J/m2)	UC/Li
1	2524.0	2512.5	1.005
2	2524.0	2512.0	1.005
3	2524.0	2512.0	1.005
4	2524.5	2512.5	1.005
5	2523.5	2512.0	1.005
6	2523.0	2511.5	1.005
7	2524.0	2512.5	1.005
8	2523.0	2511.5	1.005
9	2523.0	2511.5	1.005
10	2524.0	2512.5	1.005
11	2523.0	2511.5	1.005
12	2523.0	2512.0	1.004
13	2525.5	2514.0	1.005
14	2522.5	2511.0	1.005
15	2524.0	2512.5	1.005
16	2524.0	2512.5	1.005
17	2523.5	2512.0	1.005
18	2523.5	2512.0	1.005
19	2524.5	2513.5	1.004
20	2522.0	2511.0	1.004
21	2522.5	2511.5	1.004
22	2524.5	2513.0	1.005
23	2523.0	2512.0	1.004
24	2524.0	2513.0	1.004
25	2524.5	2513.5	1.004

Sample Count 25

	UC/Coef.(J/m2)	Li/Coef(J/m2)	UC/Li
Max ;	2525.5	2514.0	1.005
Min ;	2522.0	2511.0	1.004
Range ;	3.5	3.0	0.000
Average ;	2523.6	2512.2	1.005
3-sigma ;	2.39	2.29	0.0004
Distribution ;	0.1%	0.1%	0.0%

$$\text{Error} = \left[\frac{2523.6}{2500} - 1 \right] \times 100 = 0.944$$

Test 1C: Dose Calibrator Accuracy (500 mrem)

Check Light Integ. Repeatability
Date : Wed Aug 2 15:31:23 1995

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Light Integrator Repeatability Check

Light Integrator Matching Coef. : 1.000
Li/UC rate (Li offset) : 1.005
set shutter unit exposure dose : 5027.5J/m

	UC/Coef.(J/m2)	Li/Coef(J/m2)	UC/Li
1	5048.0	5025.5	1.004
2	5047.5	5025.5	1.004
3	5049.0	5027.0	1.004
4	5046.5	5025.0	1.004
5	5047.0	5025.5	1.004
6	5047.5	5026.0	1.004
7	5046.5	5025.5	1.004
8	5047.5	5026.5	1.004
9	5048.0	5027.5	1.004
10	5046.0	5025.0	1.004
11	5046.5	5026.0	1.004
12	5047.5	5026.5	1.004
13	5047.0	5026.0	1.004
14	5046.5	5025.5	1.004
15	5047.0	5026.0	1.004
16	5047.0	5026.0	1.004
17	5047.0	5026.0	1.004
18	5046.5	5026.5	1.004
19	5046.0	5026.0	1.004
20	5046.0	5025.5	1.004
21	5047.0	5027.0	1.004
22	5046.0	5025.5	1.004
23	5045.5	5026.0	1.004
24	5046.0	5026.0	1.004
25	5045.0	5025.0	1.004

Sample Count	25		
	UC/Coef.(J/m2)	Li/Coef(J/m2)	UC/Li
Max	5049.0	5027.5	1.004
Min	5045.0	5025.0	1.004
Range	4.0	2.5	0.001
Average	5046.8	5025.9	1.004
3-sigma	2.63	1.90	0.0004
Distribution	0.0%	0.0%	0.0%

$$\text{Error} = \left[\frac{5046.8}{5000} - 1 \right] \times 100 = 0.93\%$$

Test SC: Dose Control Accuracy (~5000 msec)

Check Light Integ. Repeatability

Date : Wed Aug 2 15:33:06 1995

Page 1/1

Light Integrator Repeatability Check

Light Integrator Matching Coef. ; 1.000

Li/UC rate (Li offset) ; 1.005

set shutter unit exposure dose ; 10055.0 J/m2

	UC/Coef.(J/m2)	Li/Coef(J/m2)	UC/Li
1	10092.0	10053.5	1.004
2	10092.5	10054.5	1.004
3	10091.0	10053.5	1.004
4	10089.0	10052.5	1.004
5	10090.5	10053.5	1.004
6	10090.0	10053.0	1.004
7	10090.0	10053.5	1.004
8	10091.0	10054.0	1.004
9	10090.5	10053.0	1.004
10	10089.5	10053.0	1.004
11	10090.5	10053.5	1.004
12	10090.5	10053.5	1.004
13	10089.0	10052.5	1.004
14	10090.5	10054.0	1.004
15	10090.0	10053.5	1.004
16	10089.0	10053.5	1.004
17	10089.5	10053.5	1.004
18	10088.5	10053.5	1.003
19	10088.5	10053.0	1.004
20	10088.5	10054.0	1.003
21	10087.5	10052.5	1.003
22	10088.0	10053.5	1.003
23	10087.5	10053.5	1.003
24	10087.0	10053.5	1.003
25	10085.5	10053.0	1.003

Sample Count	25		
	UC/Coef.(J/m2)	Li/Coef(J/m2)	UC/Li
Max ;	10092.5	10054.5	1.004
Min ;	10085.5	10052.5	1.003
Range ;	7.0	2.0	0.001
Average ;	10089.4	10053.4	1.004
3-sigma ;	4.81	1.45	0.0004
Distribution ;	0.0%	0.0%	0.0%

$$\text{Error} = \left[\frac{10089.4}{10.000} - 1 \right] \times 100 = 0.894$$

FPA3000i4, #1 Dose Matching

FPA3000i4		FPA2000i1 #1	
Vertical	Horizontal	Vertical	Horizontal
0.487	0.493	0.491	0.495
0.49	0.505	0.498	0.502
0.494	0.504	0.502	0.509
0.499	0.504	0.509	0.498
0.498	0.498	0.502	0.491

0.4936	0.5008	0.5004	0.499
--------	--------	--------	-------

Delta Vertical :	-0.0068
Delta Horizontal :	0.0018

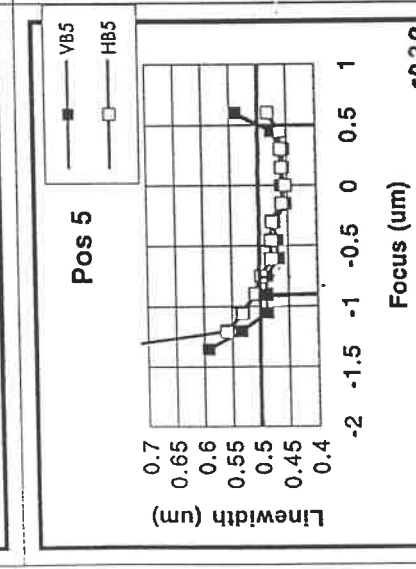
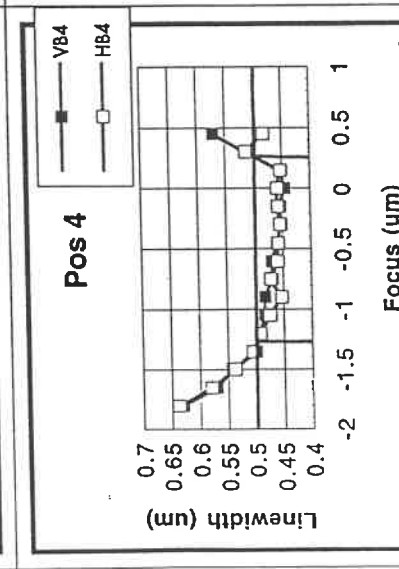
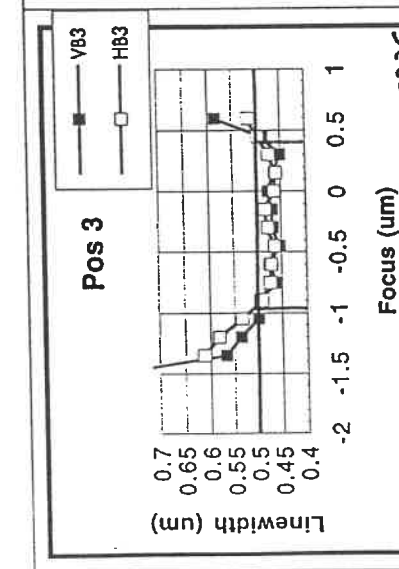
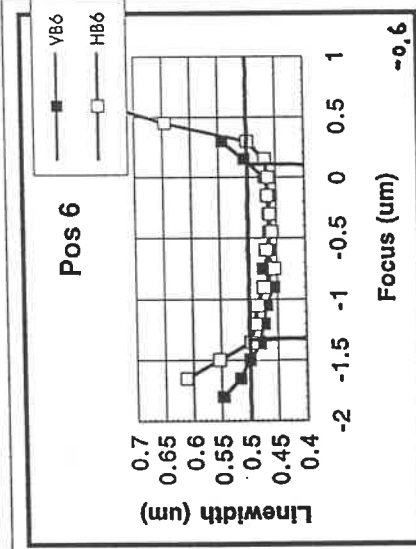
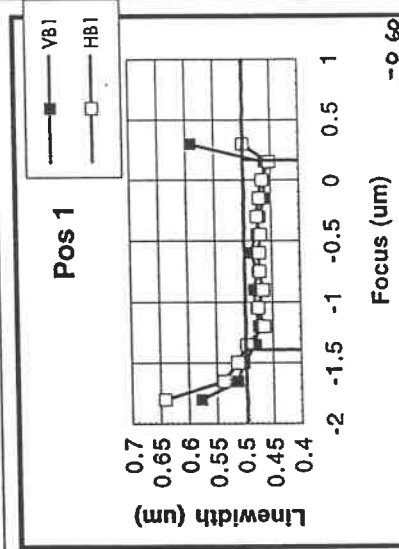
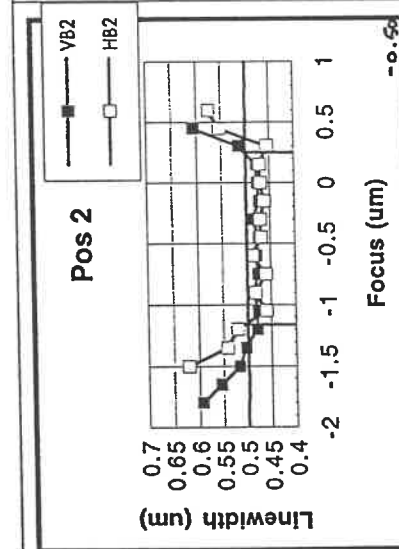
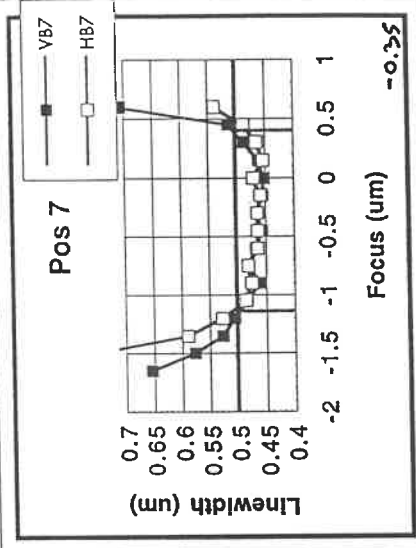
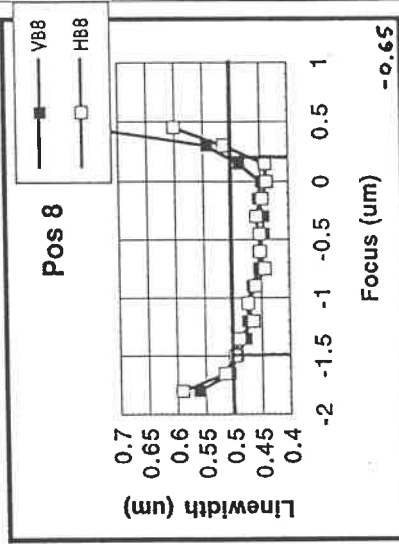
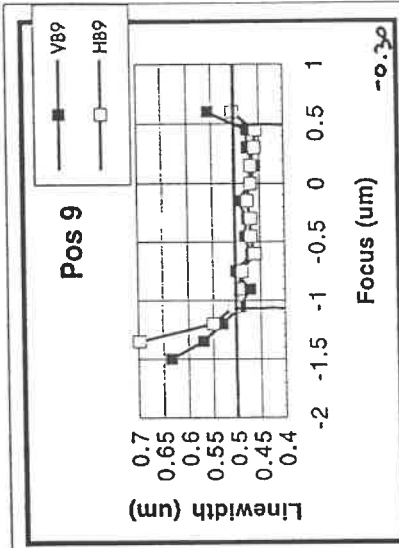
FPA3000i4, #1 Masking blade Accuracy

		Error (um)
+/-9 mm	BL	-35
	BU	20
	BR	25
	BD	-25
+/- 5.5 mm	BL	-15
	BU	25
	BR	35
	BD	-30
+/- 2.5 mm	BL	-20
	BU	20
	BR	30
	BD	25

Image Surface Width
 $\phi 0.5 \mu\text{m}$

JVC 140895

$-0.65 + 0.20 = -0.45$



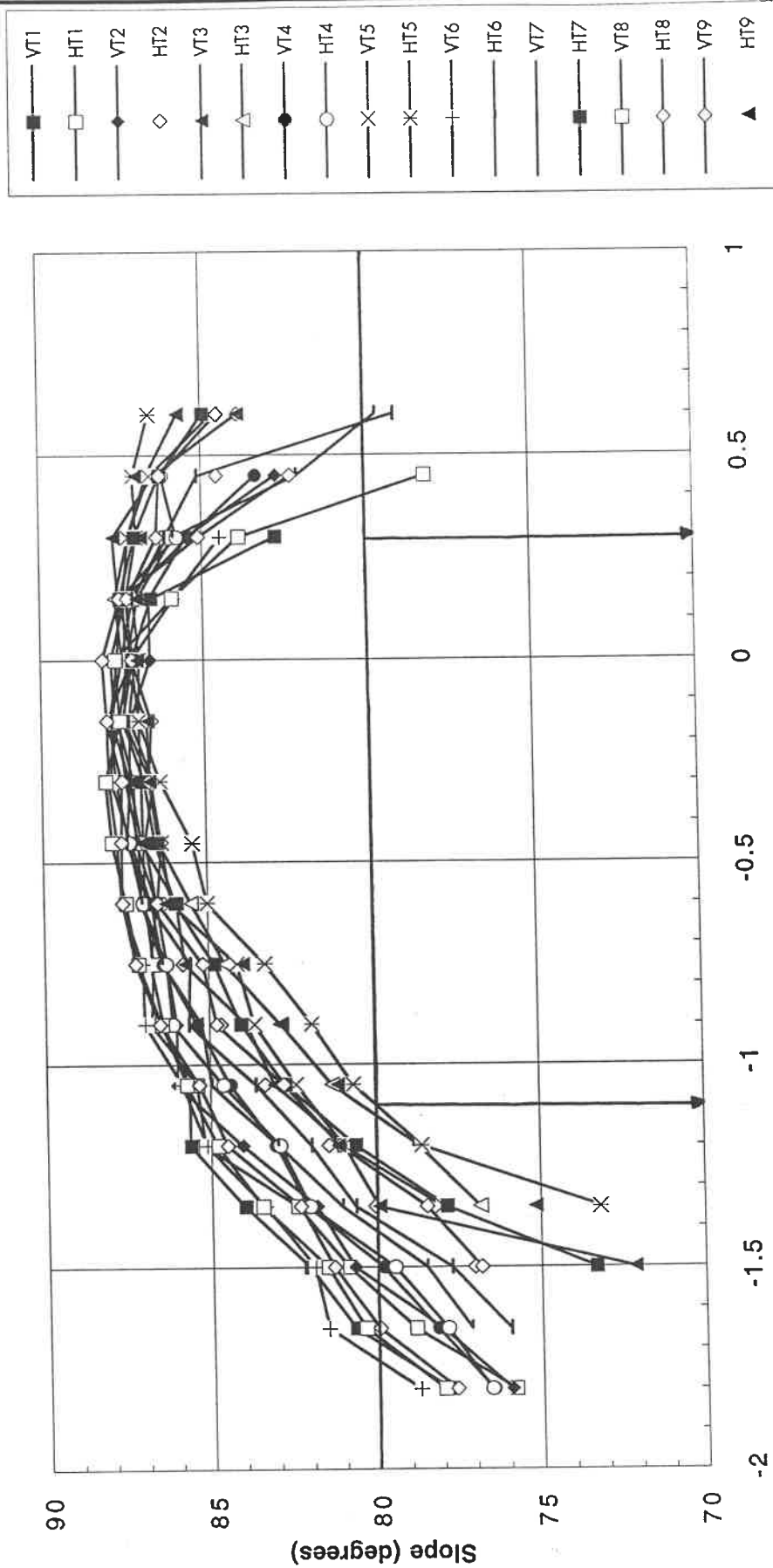
FPA3000i4, #1 UDOP
NA = 0.52, s = 0.6

	VB1	HB1	VB2	HB2	VB3	HB3	VB4	HB4	VB5	HB5	VB6	HB6	VB7	HB7	VB8	HB8	VB9	HB9
-1.8	0.577	0.642	0.594				0.63	0.637			0.547	0.517	0.612	0.654	0.562	0.591		
-1.65	0.513	0.538	0.555				0.571	0.58			0.517	0.517	0.554	0.578	0.494	0.499	0.537	
-1.5	0.502	0.513	0.517	0.621	0.807		0.541	0.538			0.5	0.554	0.578	0.59	0.478	0.491	0.57	0.698
-1.35	0.48	0.496	0.503	0.543	0.567	0.612	0.52	0.507	0.592	0.795	0.482	0.496	0.528	0.529	0.474	0.465	0.53	
-1.2	0.475	0.465	0.48	0.536	0.582	0.592	0.492	0.492	0.534	0.558	0.474	0.49	0.506	0.529	0.474	0.475	0.474	0.506
-1.05	0.478	0.475	0.476	0.459	0.499	0.533	0.483	0.474	0.488	0.531	0.469	0.485	0.485	0.486	0.475	0.474	0.493	
-0.9	0.483	0.466	0.465	0.482	0.496	0.491	0.483	0.454	0.488	0.509	0.456	0.474	0.46	0.476	0.466	0.46	0.471	0.496
-0.75	0.474	0.471	0.476	0.459	0.461	0.471	0.469	0.459	0.467	0.498	0.474	0.455	0.482	0.482	0.454	0.443	0.502	0.488
-0.6	0.487	0.472	0.48	0.476	0.474	0.471	0.469	0.459	0.467	0.463	0.463	0.469	0.467	0.465	0.454	0.451	0.467	0.461
-0.45	0.476	0.469	0.473	0.468	0.454	0.465	0.459	0.458	0.469	0.479	0.462	0.458	0.457	0.465	0.445	0.452	0.482	0.469
-0.3	0.47	0.476	0.486	0.47	0.467	0.478	0.452	0.455	0.474	0.478	0.463	0.461	0.464	0.465	0.444	0.447	0.494	0.475
-0.15	0.462	0.471	0.471	0.461	0.469	0.483	0.453	0.458	0.454	0.46	0.459	0.466	0.456	0.459	0.454	0.447	0.494	0.475
0	0.462	0.466	0.475	0.468	0.477	0.463	0.446	0.459	0.462	0.454	0.47	0.463	0.452	0.471	0.448	0.439	0.468	0.469
0.15	0.462	0.452	0.476	0.47	0.462	0.459	0.451	0.452	0.457	0.46	0.505	0.469	0.461	0.465	0.487	0.441	0.459	0.468
0.3	0.591	0.5	0.513	0.454	0.452	0.474	0.513	0.514	0.456	0.461	0.544	0.5	0.487	0.465	0.544	0.513	0.474	0.46
0.45			0.605	0.553	0.487	0.496	0.571	0.482	0.477	0.461	0.645	0.514	0.487	0.487	0.756	0.601	0.477	0.457
0.6				0.575	0.584	0.518		0.539	0.483		0.75	0.707	0.539				0.557	0.505

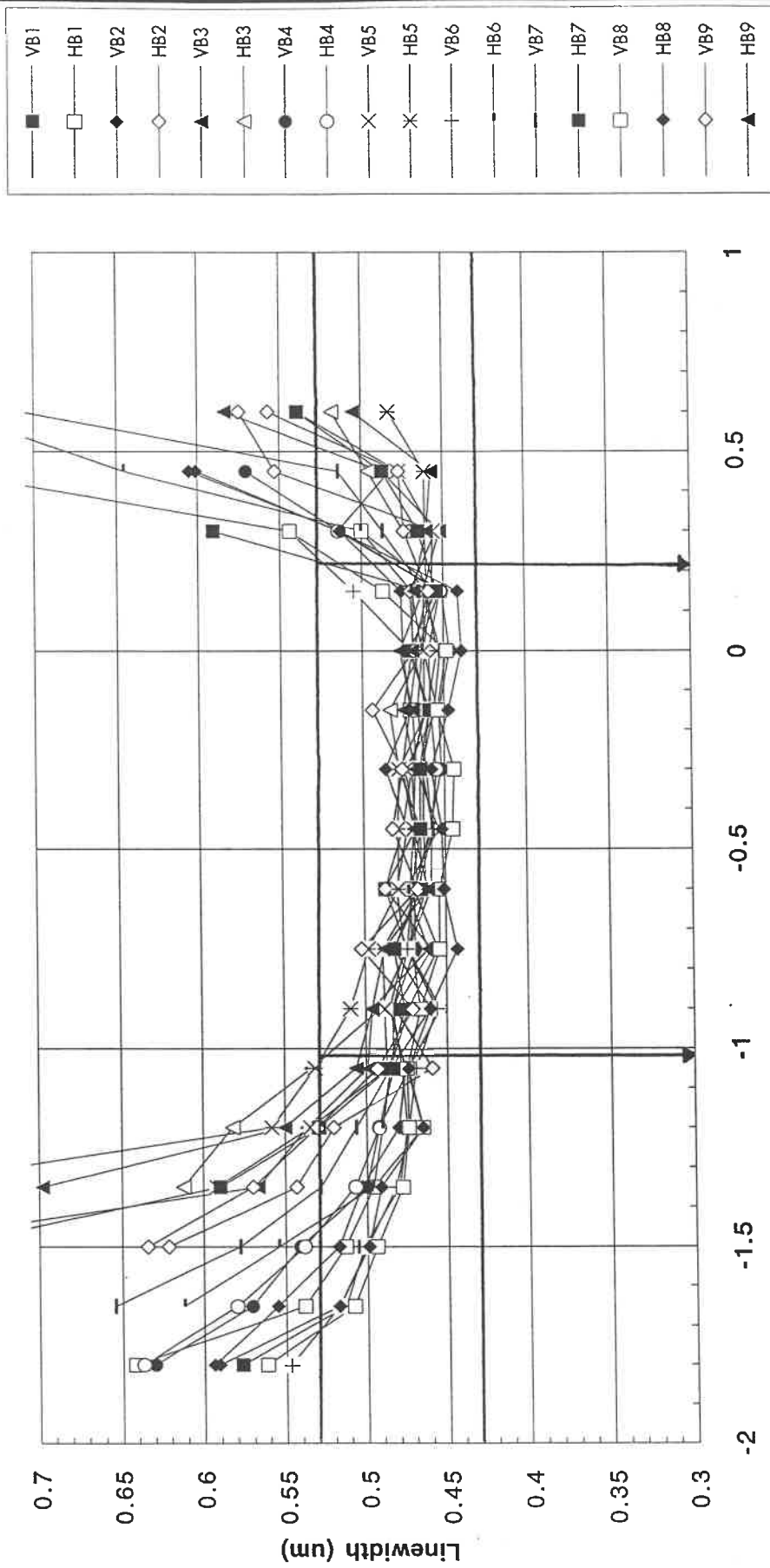
	VT1	HT1	VT2	HT2	VT3	HT3	VT4	HT4	VT5	HT5	VT6	HT6	VT7	HT7	VT8	HT8	VT9	HT9
-1.8	0.045	0.044					0.061	0.07			0.074	0.074	0.061	0.057	0.105	0.096		
-1.65	0.123	0.07	0.052				0.074	0.07			0.162	0.07	0.061	0.05	0.14	0.136	0.078	
-1.5	0.171	0.131	0.127	0.074	0.044		0.114	0.096			0.162	0.07	0.061	0.079	0.206	0.171	0.085	0.07
-1.35	0.23	0.18	0.162	0.06	0.145	0.057	0.171	0.173	0.087	0.079	0.206	0.122	0.136	0.079	0.206	0.171	0.085	0.07
-1.2	0.294	0.265	0.232	0.162	0.158	0.107	0.202	0.197	0.157	0.079	0.272	0.197	0.171	0.136	0.258	0.236	0.158	0.092
-1.05	0.298	0.285	0.311	0.182	0.21	0.17	0.25	0.25	0.171	0.14	0.298	0.276	0.219	0.184	0.298	0.281	0.1925	0.136
-0.9	0.335	0.333	0.32	0.259	0.241	0.193	0.291	0.294	0.223	0.171	0.331	0.276	0.279	0.228	0.32	0.316	0.254	0.197
-0.75	0.341	0.334	0.328	0.285	0.284	0.245	0.32	0.32	0.245	0.219	0.351	0.307	0.298	0.267	0.336	0.329	0.302	0.237
-0.6	0.341	0.345	0.338	0.334	0.307	0.285	0.334	0.335	0.307	0.272	0.364	0.346	0.335	0.3	0.351	0.352	0.324	0.307
-0.45	0.359	0.343	0.345	0.342	0.33	0.32	0.348	0.35	0.32	0.29	0.37	0.338	0.331	0.324	0.358	0.353	0.333	0.325
-0.3	0.355	0.351	0.346	0.355	0.356	0.343	0.365	0.362	0.337	0.329	0.379	0.366	0.367	0.356	0.355	0.364	0.355	0.341
-0.15	0.365	0.348	0.359	0.335	0.358	0.35	0.361	0.371	0.349	0.337	0.376	0.368	0.367	0.356	0.355	0.364	0.353	0.347
0	0.348	0.342	0.337	0.349	0.358	0.36	0.357	0.362	0.355	0.339	0.356	0.353	0.35	0.355	0.354	0.361	0.353	0.347
0.15	0.322	0.334	0.338	0.347	0.363	0.364	0.344	0.344	0.352	0.351	0.336	0.346	0.344	0.353	0.32	0.341	0.349	0.346
0.3	0.29	0.338	0.326	0.34	0.359	0.362	0.323	0.34	0.344	0.338	0.313	0.33	0.328	0.345	0.289	0.31	0.325	0.332
0.45			0.302	0.325	0.342	0.36	0.294	0.326	0.337	0.342	0.315	0.315	0.312	0.334	0.259	0.28	0.324	0.335
0.6				0.32	0.329	0.341		0.316	0.343		0.316	0.25	0.329				0.328	0.329

	VT1	HT1	VT2	HT2	VT3	HT3	VT4	HT4	VT5	HT5	VT6	HT6	VT7	HT7	VT8	HT8	VT9	HT9
-1.8	78	76	76				76	77			79	79	76		78	78		
-1.65	81	79	78				78	78			81	77	76		80	80		
-1.5	82	81	81	77	72		80	79			82	78	78	73	82	81	77	
-1.35	84	82	82	80	80	77	82	82	78	73	83	81	81	78	83	82	78	75
-1.2	86	85	84	81	81	79	83	83	81	79	85	83	82	81	85	84	81	81
-1.05	86	85	86	83	83	81	84	85	82	81	86	85	84	83	86	85	83	81
-0.9	86	87	86	85	84	83	85	86	84	82	87	85	86	84	86	87	85	84
-0.75	87	87	86	86	86	84	86	86	84	83	87	86	86	86	87	87	85	84
-0.6	87	87	86	86	86	86	87	87	86	85	88	87	87	87	88	88	87	86
-0.45	87	87	87	87	87	86	87	87	86	85	88	87	87	87	88	88	87	86
-0.3	87	87	87	87	87	87	88	88	87	86	88	87	87	87	88	88	87	87
-0.15	88	87	87	87	87	87	88	88	87	87	88	88	88	88	88	88	87	87
0	87	87	87	87	87	87	88	88	87	87	87	87	87	87	88	88	87	87
0.15	87	87	87	87	88	88	87	88	87	87	86	87	87	88	86	88	87	87
0.3	83	86	85	87	88	87	85	86	87	84	86	86	86	86	87	84	85	86
0.45			83	85	86	87	83	86	87	87	82	85	85	86	78	82	86	87
0.6				84	84	86			85	87	80	79	79	85			84	86

FPA3000i4 #1 0.5 um L&S NA=0.52 s=0.6



FPA3000i4 #1 0.5umL&S NA=0.52 s=0.6



FPA3000i4, #1 Delta cd of isolated versus dense lines
 NA = 0.52, $s = 0.6$

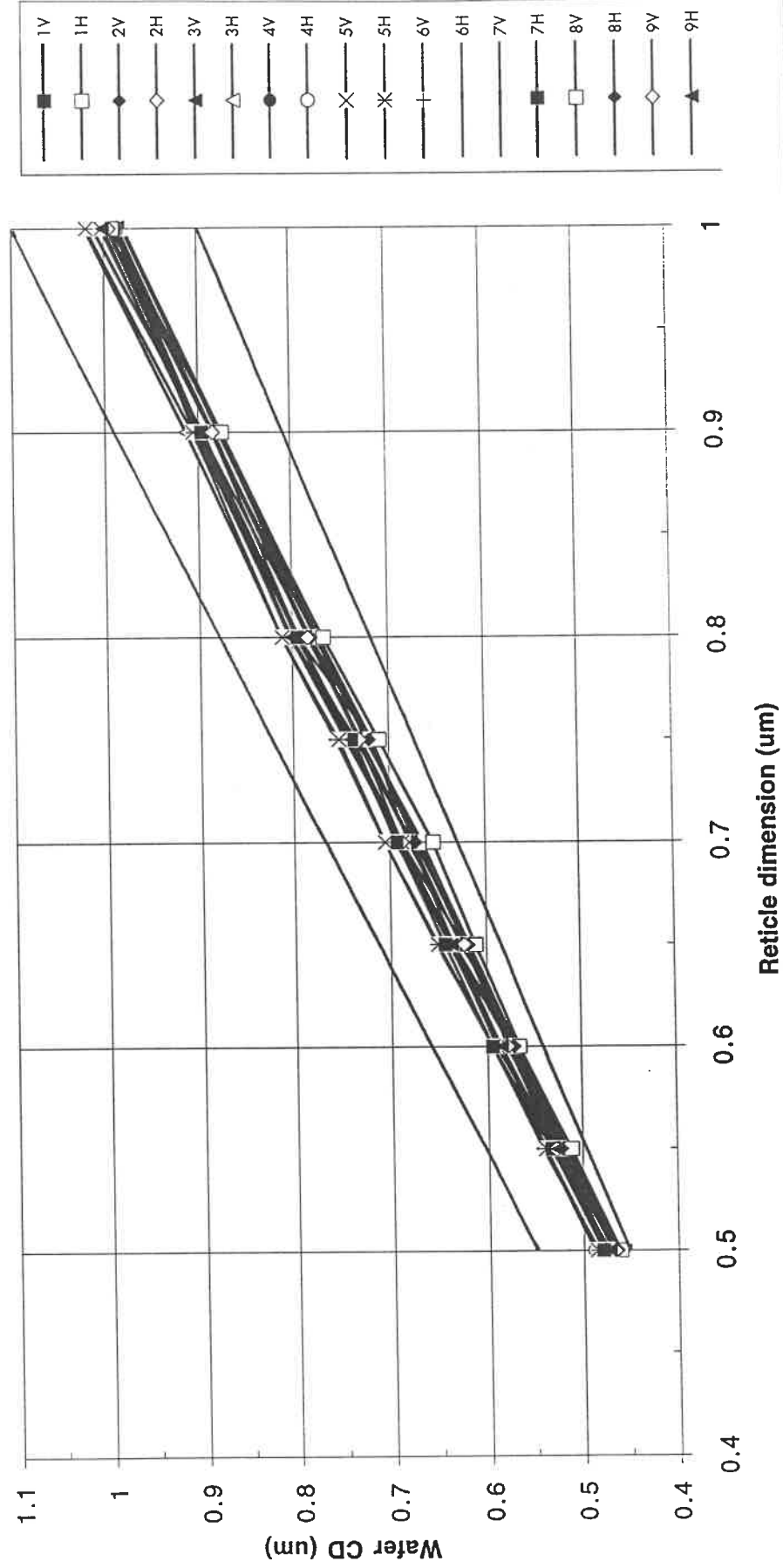
Place	cd (um)	Delta (um)
IV1	0.495	
DV1	0.466	0.029
IH1	0.52	
DH1	0.481	0.039
IV2	0.509	
DV2	0.464	0.045
IH2	0.518	
DH2	0.47	0.048
IV3	0.513	
DV3	0.481	0.032
IH3	0.52	
DH3	0.485	0.035
IV4	0.511	
DV4	0.464	0.047
IH4	0.506	
DH4	0.47	0.036
IV5	0.52	
DV5	0.477	0.043
IH5	0.52	
DH5	0.488	0.032
IV6	0.5	
DV6	0.47	0.03
IH6	0.513	
DH6	0.471	0.042
IV7	0.504	
DV7	0.471	0.033
IH7	0.513	
DH7	0.479	0.034
IV8	0.503	
DV8	0.459	0.044
IH8	0.509	
DH8	0.469	0.04
IV9	0.506	
DV9	0.466	0.04
IH9	0.513	
DH9	0.473	0.04
average		0.038

FPA3000i4, #1 Profile asymmetry 0.75 mu out of focus

	pos1	pos2	pos3	pos4	pos5	pos6	pos7	pos8	pos9
VR (cd)	0.061	0.092	0.131	0.087	0.149	0.096	0.149	0.094	0.157
VL (cd)	0.065	0.096	0.175	0.136	0.193	0.087	0.114	0.078	0.147
Vr(degrees)	87.05	85.56	83.69	85.80	82.83	85.37	82.83	85.46	82.45
VL (degrees)	86.86	85.37	81.60	83.45	80.75	85.80	84.50	86.23	82.93
Delta (degrees)	0.19	0.19	2.09	2.35	2.08	0.43	1.67	0.77	0.48
Hr (cd, um)	0.083	0.14	0.219	0.124	0.168	0.109	0.14	0.094	0.224
Hi (cd,um)	0.079	0.126	0.167	0.118	0.239	0.147	0.167	0.105	0.176
Vr (degrees)	85.99	83.26	79.53	84.03	81.93	84.74	83.26	85.46	79.30
Vi (degrees)	86.19	83.93	81.98	84.31	78.60	82.93	81.98	84.94	81.55
Delta (degrees)	0.19	0.67	2.45	0.29	3.33	1.82	1.28	0.53	2.26

FPA300i4#1, LINEARITY Chart 1

FPA300i4#1 Linearity NA 0.52 S = 0.6



FPA3000i4, #1 Linearity
NA = 0.52, s = 0.6

	1V	1H	2V	2H	3V	3H	4V	4H	5V	5H	6V	6H	7V	7H	8V	8H	9V	9H
1	0.979	0.993	0.989	0.999	1.011	1.02	0.985	0.987	1.002	1.019	0.979	0.978	0.984	0.988	0.99	0.995	0.994	1.001
0.9	0.875	0.898	0.885	0.9	0.894	0.912	0.885	0.903	0.896	0.905	0.878	0.875	0.883	0.896	0.874	0.896	0.884	0.9
0.8	0.773	0.801	0.793	0.792	0.8	0.811	0.775	0.801	0.792	0.811	0.775	0.771	0.78	0.795	0.767	0.78	0.783	0.802
0.75	0.722	0.734	0.718	0.743	0.738	0.755	0.724	0.745	0.739	0.752	0.719	0.718	0.729	0.736	0.71	0.721	0.731	0.74
0.7	0.665	0.677	0.68	0.689	0.69	0.705	0.669	0.687	0.687	0.705	0.671	0.672	0.676	0.692	0.654	0.673	0.687	0.693
0.65	0.618	0.634	0.625	0.636	0.638	0.651	0.622	0.634	0.637	0.65	0.622	0.618	0.627	0.643	0.611	0.619	0.623	0.637
0.6	0.569	0.571	0.571	0.575	0.589	0.594	0.574	0.585	0.59	0.594	0.57	0.573	0.565	0.595	0.565	0.571	0.578	0.585
0.55	0.515	0.52	0.526	0.526	0.531	0.541	0.516	0.538	0.528	0.538	0.524	0.524	0.52	0.532	0.511	0.522	0.527	0.527
0.5	0.464	0.469	0.464	0.478	0.475	0.484	0.465	0.488	0.476	0.485	0.476	0.477	0.466	0.479	0.461	0.464	0.467	0.473

FPA300014, #1 Linewidth repeatability test

V1	0.506	0.479	0.492
H1	0.523	0.503	0.5
V2	0.477	0.486	0.481
H2	0.489	0.477	0.48
V3	0.488	0.479	0.476
H3	0.51	0.489	0.485
V4	0.498	0.482	0.49
H4	0.481	0.497	0.493
V5	0.48	0.486	0.486
H5	0.475	0.475	0.48
V6	0.497	0.477	0.497
H6	0.5	0.495	0.493
V7	0.492	0.492	0.496
H7	0.497	0.503	0.488
V8	0.479	0.488	0.485
H8	0.503	0.512	0.485
V9	0.495	0.491	0.484
H9	0.507	0.5	0.497

Min	0.475
Max	0.523
Average	0.491
3sigma	0.032

VS1	0.487
HS1	0.487
VS2	0.501
HS2	0.493
VS3	0.491
HS3	0.48
VS4	0.48
HS4	0.483
VS5	0.492
HS5	0.479
VS6	0.492
HS6	0.504
VS7	0.492
HS7	0.491
VS8	0.492
HS8	0.492
VS9	0.492
HS9	0.488
VS10	0.492
HS10	0.495

Min	0.479
Max	0.504
Average	0.490
3sigma	0.019

SYSTEM FPA3000i4 Alcatel Miletac #1 Distortion (Normal Illumination)

evic Job Plan-INTR/Lot #S53MO E

Fri Aug ### 1995

SLC 1

distortion is labeled in p.u section - map

WA:	X	Y	X	Y	X	Y	X	Y	X	Y	Ave x	Ave y	Ave-shift	Ave-shift
C1 R1 S1	-0.011	-0.044	-0.016	-0.038	-0.015	-0.033	-0.015	-0.029	-0.014	-0.036	-0.017	-0.010	-0.017	-0.010
C1 R1 S2	0.001	-0.038	-0.002	-0.045	-0.011	-0.035	-0.016	-0.050	-0.007	-0.042	-0.009	-0.016	-0.009	-0.016
C1 R1 S3	0.001	-0.043	0.007	-0.044	0.001	-0.033	-0.007	-0.043	0.001	-0.041	-0.002	-0.015	-0.002	-0.015
C1 R1 S4	0.012	-0.024	0.010	-0.039	0.002	-0.017	-0.002	-0.023	0.006	-0.026	0.003	0.000	0.003	0.000
C1 R1 S5	0.014	-0.019	0.013	-0.027	0.007	-0.027	0.001	-0.023	0.009	-0.024	0.006	0.002	0.006	0.002
C1 R1 S6	0.014	-0.036	0.010	-0.041	0.011	-0.026	0.006	-0.023	0.010	-0.032	0.008	-0.005	0.008	-0.005
C1 R1 S7	0.014	-0.024	0.012	-0.021	0.005	-0.011	0.004	-0.021	0.009	-0.019	0.007	0.007	0.007	0.007
C1 R1 S8	0.006	-0.025	-0.003	-0.022	0.001	0.000	-0.009	-0.019	-0.001	-0.016	-0.003	0.010	-0.003	0.010
C1 R1 S9	0.001	-0.016	-0.005	-0.031	-0.010	-0.019	-0.006	-0.037	-0.005	-0.026	-0.007	0.001	-0.007	0.001
C1 R1 S10	0.003	-0.031	-0.008	-0.028	-0.006	-0.030	-0.006	-0.022	-0.004	-0.028	-0.007	-0.002	-0.007	-0.002
C1 R1 S11	0.010	-0.018	0.002	-0.025	0.006	-0.015	0.005	-0.018	0.006	-0.019	0.004	0.007	0.004	0.007
C1 R1 S12	0.001	-0.018	-0.010	-0.021	-0.010	-0.018	-0.003	-0.032	-0.005	-0.022	-0.008	0.004	-0.008	0.004
C1 R1 S13	0.008	-0.023	0.004	-0.024	0.002	-0.008	-0.001	-0.025	0.003	-0.020	0.001	0.006	0.001	0.006
C1 R1 S14	0.014	-0.017	0.003	-0.025	0.010	-0.012	0.003	-0.013	0.007	-0.017	0.005	0.009	0.005	0.009
C1 R1 S15	0.016	-0.017	0.009	-0.022	0.016	-0.004	0.005	-0.017	0.012	-0.015	0.009	0.011	0.009	0.011
C1 R1 S16	0.016	-0.028	0.004	-0.045	0.011	-0.015	0.002	-0.032	0.008	-0.030	0.006	-0.004	0.006	-0.004
C1 R1 S17	0.015	-0.028	0.002	-0.045	0.001	-0.013	-0.002	-0.034	0.004	-0.030	0.002	-0.004	0.002	-0.004
C1 R1 S18	0.007	-0.041	-0.002	-0.039	0.003	-0.028	-0.005	-0.051	0.001	-0.040	-0.002	-0.014	-0.002	-0.014
C1 R1 S19	0.010	-0.030	0.002	-0.037	0.003	-0.034	-0.004	-0.043	0.003	-0.036	0.001	-0.010	0.001	-0.010
C1 R1 S20	0.005	-0.030	0.001	-0.031	0.004	-0.027	-0.004	-0.024	0.001	-0.028	-0.001	-0.002	-0.001	-0.002
C1 R1 S21	0.001	-0.016	-0.005	-0.020	-0.001	-0.008	-0.001	-0.014	-0.001	-0.014	-0.004	0.012	-0.004	0.012
C1 R1 S22	0.004	-0.015	-0.002	-0.027	0.005	-0.018	0.006	-0.007	0.003	-0.017	0.001	0.009	0.001	0.009
C1 R1 S23	0.004	-0.012	-0.001	-0.018	-0.004	-0.011	-0.004	-0.028	-0.001	-0.017	-0.004	0.009	-0.004	0.009
C1 R1 S24	0.009	-0.028	0.007	-0.019	-0.004	-0.017	0.005	-0.035	0.004	-0.025	0.002	0.001	0.002	0.001
C1 R1 S25	0.018	-0.024	0.009	-0.042	0.010	-0.030	0.002	-0.040	0.010	-0.034	0.008	-0.008	0.008	-0.008
Average											0.002	-0.026	0.000	0.000
Max											0.009	0.012	0.009	0.012
Min											-0.017	-0.016	-0.017	-0.016

FPA3000i4 Alcatel Mitec #1 Distortion (SIB Illumination)

SLC 2		X		Y		X		Y		X		Y		Ave x		Ave y		Ave-shift		Ave-shift	
WAI:		X		Y		X		Y		X		Y		Ave x		Ave y		Ave-shift		Ave-shift	
C1	R1	S1	-0.012	-0.046	-0.013	-0.051	-0.018	-0.053	-0.009	-0.046	-0.013	-0.049	-0.016	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015	-0.015
C1	R1	S2	-0.007	-0.065	-0.003	-0.052	-0.010	-0.071	-0.007	-0.039	-0.007	-0.057	-0.010	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022	-0.022
C1	R1	S3	0.002	-0.062	0.004	-0.064	-0.004	-0.065	-0.004	-0.057	0.000	-0.062	-0.003	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028	-0.028
C1	R1	S4	0.004	-0.052	0.011	-0.051	0.006	-0.057	0.004	-0.043	0.006	-0.051	0.003	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016	-0.016
C1	R1	S5	0.011	-0.026	0.017	-0.041	0.011	-0.034	0.009	-0.026	0.012	-0.032	0.009	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
C1	R1	S6	0.006	-0.036	0.013	-0.049	0.001	-0.041	0.007	-0.036	0.007	-0.040	0.004	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006	-0.006
C1	R1	S7	0.014	-0.034	0.018	-0.033	0.011	-0.035	0.011	-0.024	0.013	-0.032	0.011	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
C1	R1	S8	0.005	-0.014	0.009	-0.022	-0.006	-0.030	-0.003	-0.026	0.001	-0.023	-0.002	0.011	0.011	0.011	0.011	0.011	0.011	0.011	0.011
C1	R1	S9	-0.004	-0.038	0.002	-0.027	-0.008	-0.044	-0.005	-0.018	-0.004	-0.032	-0.007	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.003
C1	R1	S10	0.009	-0.043	0.010	-0.043	-0.003	-0.038	0.005	-0.033	0.005	-0.039	0.002	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005
C1	R1	S11	0.007	-0.026	0.008	-0.024	0.007	-0.021	0.011	-0.018	0.008	-0.022	0.005	0.012	0.012	0.012	0.012	0.012	0.012	0.012	0.012
C1	R1	S12	-0.013	-0.034	-0.007	-0.028	-0.010	-0.038	-0.005	-0.018	-0.009	-0.029	-0.011	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
C1	R1	S13	-0.002	-0.027	0.005	-0.031	0.001	-0.037	0.002	-0.025	0.002	-0.030	-0.001	0.004	0.004	0.004	0.004	0.004	0.004	0.004	0.004
C1	R1	S14	0.010	-0.026	0.016	-0.025	0.013	-0.031	0.014	-0.028	0.013	-0.028	0.010	0.007	0.007	0.007	0.007	0.007	0.007	0.007	0.007
C1	R1	S15	0.003	-0.034	0.007	-0.024	0.003	-0.035	0.006	-0.025	0.005	-0.030	0.002	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
C1	R1	S16	0.003	-0.041	0.003	-0.040	-0.003	-0.049	0.006	-0.039	0.002	-0.042	-0.001	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008	-0.008
C1	R1	S17	0.006	-0.037	0.005	-0.042	0.004	-0.055	0.009	-0.050	0.006	-0.046	0.003	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012	-0.012
C1	R1	S18	0.001	-0.043	0.006	-0.056	-0.001	-0.053	0.004	-0.037	0.002	-0.047	-0.001	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013	-0.013
C1	R1	S19	-0.004	-0.046	-0.001	-0.040	-0.008	-0.060	0.001	-0.028	-0.003	-0.044	-0.006	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009	-0.009
C1	R1	S20	0.012	-0.030	0.008	-0.036	0.004	-0.028	0.009	-0.024	0.008	-0.030	0.006	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
C1	R1	S21	0.005	-0.015	0.000	-0.015	-0.001	-0.001	0.007	-0.002	0.003	-0.008	0.000	0.026	0.026	0.026	0.026	0.026	0.026	0.026	0.026
C1	R1	S22	0.008	-0.002	0.003	-0.012	0.002	-0.025	0.008	0.002	0.005	-0.009	0.002	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025
C1	R1	S23	-0.003	-0.012	0.000	-0.016	0.000	-0.029	0.007	-0.005	0.001	-0.015	-0.002	0.019	0.019	0.019	0.019	0.019	0.019	0.019	0.019
C1	R1	S24	-0.006	-0.012	-0.001	-0.022	0.004	-0.026	0.004	-0.021	0.000	-0.020	-0.003	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014
C1	R1	S25	0.004	-0.045	0.006	-0.047	0.008	-0.044	0.011	-0.041	0.007	-0.044	0.004	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010	-0.010
Average														0.003		-0.034		0.000		0.000	
														Max		0.011		0.026		0.026	
														Min		-0.016		-0.028		-0.028	

FPA3000i4 Alcatel Mitec #1 Distortion (SIA Illumination)

SLC 3																					
WA:		X	Y	X	Y	X	Y	X	Y	X	Y	Ave x	Ave y	Ave-shift	Ave-shift						
C1	R1	S1	-0.003	-0.042	-0.006	-0.034	-0.010	-0.042	-0.006	-0.043	-0.006	-0.040	-0.013	-0.012							
C1	R1	S2	0.002	-0.046	0.002	-0.038	0.001	-0.066	0.006	-0.041	0.002	-0.048	-0.004	-0.020							
C1	R1	S3	0.013	-0.047	0.008	-0.037	0.002	-0.065	0.007	-0.033	0.007	-0.046	0.001	-0.018							
C1	R1	S4	0.015	-0.045	0.010	-0.034	0.007	-0.046	0.006	-0.041	0.010	-0.042	0.003	-0.013							
C1	R1	S5	0.021	-0.030	0.015	-0.020	0.014	-0.030	0.016	-0.027	0.016	-0.027	0.010	0.002							
C1	R1	S6	0.012	-0.037	0.008	-0.029	0.006	-0.039	0.007	-0.033	0.008	-0.035	0.001	-0.007							
C1	R1	S7	0.018	-0.022	0.015	-0.010	0.011	-0.026	0.019	-0.023	0.016	-0.020	0.009	0.008							
C1	R1	S8	0.010	-0.014	0.005	-0.004	0.005	-0.026	0.007	0.002	0.007	-0.010	0.000	0.018							
C1	R1	S9	0.005	-0.021	-0.004	-0.008	-0.005	-0.037	0.001	-0.020	-0.001	-0.021	-0.007	0.007							
C1	R1	S10	0.003	-0.032	0.002	-0.017	0.006	-0.037	0.007	-0.036	0.004	-0.031	-0.002	-0.002							
C1	R1	S11	0.014	-0.026	0.010	-0.008	0.007	-0.023	0.011	-0.023	0.010	-0.020	0.004	0.008							
C1	R1	S12	0.001	-0.017	-0.003	-0.010	-0.006	-0.016	-0.001	-0.017	-0.002	-0.015	-0.009	0.013							
C1	R1	S13	0.011	-0.026	0.004	-0.007	0.002	-0.036	0.008	-0.020	0.006	-0.022	-0.001	0.006							
C1	R1	S14	0.019	-0.030	0.010	-0.022	0.010	-0.039	0.019	-0.029	0.015	-0.030	0.008	-0.002							
C1	R1	S15	0.011	-0.028	0.006	-0.019	0.007	-0.026	0.012	-0.022	0.009	-0.024	0.002	0.004							
C1	R1	S16	0.009	-0.039	0.004	-0.020	0.007	-0.035	0.009	-0.039	0.007	-0.033	0.000	-0.005							
C1	R1	S17	0.012	-0.038	0.003	-0.034	0.008	-0.046	0.012	-0.047	0.009	-0.041	0.002	-0.013							
C1	R1	S18	0.012	-0.049	0.003	-0.031	0.003	-0.052	0.013	-0.037	0.008	-0.042	0.001	-0.014							
C1	R1	S19	0.007	-0.038	0.004	-0.033	0.003	-0.028	0.005	-0.029	0.005	-0.032	-0.002	-0.004							
C1	R1	S20	0.013	-0.028	0.010	-0.016	0.012	-0.026	0.011	-0.026	0.012	-0.024	0.005	0.004							
C1	R1	S21	0.009	-0.013	0.002	0.004	0.003	-0.006	0.010	-0.013	0.006	-0.007	-0.001	0.021							
C1	R1	S22	0.012	-0.008	0.004	-0.008	0.002	-0.012	0.010	-0.013	0.007	-0.010	0.000	0.018							
C1	R1	S23	0.007	-0.015	-0.002	-0.005	-0.002	-0.028	0.005	-0.013	0.002	-0.015	-0.005	0.013							
C1	R1	S24	0.006	-0.019	0.002	-0.014	-0.002	-0.034	0.004	-0.035	0.003	-0.025	-0.004	0.003							
C1	R1	S25	0.016	-0.036	0.007	-0.033	0.005	-0.048	0.009	-0.055	0.009	-0.043	0.003	-0.015							
0.007													-0.028	0.000	0.000	0.000					
													Max	0.010	0.021						
													Min	-0.013	-0.020						

3d: DXD leveling stationing d

Measure: Focus/Tilt/Offset

3-8-95

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TSOC

Data#	Z um	X ppm	Y ppm	C1m um	C1s um	C2m um	C2s um	C3 um	C4m um	C4s um	C5m um	C5s um
1	-0.04	0.2	-1.5	0.00	888.88	-0.03	888.88	-0.17	-0.01	888.88	0.03	888.88
2	-0.05	-0.2	-1.0	-0.03	888.88	-0.05	888.88	-0.17	-0.01	888.88	0.00	888.88
3	-0.04	-0.4	-1.6	-0.01	888.88	-0.03	888.88	-0.16	0.01	888.88	0.01	888.88
4	-0.05	0.1	-2.0	-0.03	888.88	-0.03	888.88	-0.18	0.00	888.88	0.01	888.88
5	-0.06	-0.5	-1.2	-0.03	888.88	-0.05	888.88	-0.18	-0.02	888.88	-0.01	888.88
6	-0.04	-0.3	-1.7	-0.01	888.88	-0.03	888.88	-0.15	0.01	888.88	0.01	888.88
7	-0.04	0.1	-0.7	-0.01	888.88	-0.03	888.88	-0.18	-0.02	888.88	0.01	888.88
8	-0.04	0.9	-1.5	-0.03	888.88	-0.03	888.88	-0.16	-0.02	888.88	0.02	888.88
9	-0.03	-0.1	-1.2	0.00	888.88	-0.02	888.88	-0.16	0.01	888.88	0.02	888.88
10	-0.04	0.2	-2.8	-0.03	888.88	-0.04	888.88	-0.18	0.01	888.88	0.02	888.88
11	-0.05	-0.8	-1.6	-0.02	888.88	-0.04	888.88	-0.18	0.00	888.88	-0.01	888.88
12	-0.04	0.1	-2.0	-0.03	888.88	-0.04	888.88	-0.17	0.00	888.88	0.01	888.88
13	-0.05	-0.3	-2.7	-0.03	888.88	-0.07	888.88	-0.17	-0.02	888.88	0.01	888.88
14	-0.05	0.4	-0.1	-0.03	888.88	-0.03	888.88	-0.17	-0.03	888.88	-0.02	888.88
15	-0.04	0.6	-1.5	-0.03	888.88	-0.03	888.88	-0.17	-0.01	888.88	0.01	888.88
16	-0.04	0.7	-1.7	-0.03	888.88	-0.03	888.88	-0.17	-0.01	888.88	0.02	888.88
17	-0.04	0.4	-1.7	-0.03	888.88	-0.03	888.88	-0.16	-0.01	888.88	0.01	888.88
18	-0.06	-0.3	-3.0	-0.04	888.88	-0.07	888.88	-0.18	-0.01	888.88	0.01	888.88
19	-0.03	0.1	-2.0	-0.01	888.88	-0.03	888.88	-0.16	0.01	888.88	0.02	888.88
20	-0.04	0.6	-1.5	-0.03	888.88	-0.02	888.88	-0.16	0.00	888.88	0.01	888.88
21	-0.03	-0.2	-1.4	-0.01	888.88	-0.03	888.88	-0.15	0.00	888.88	0.01	888.88
22	-0.03	0.2	-1.2	0.00	888.88	-0.02	888.88	-0.14	0.00	888.88	0.02	888.88
23	-0.06	0.2	-1.2	-0.03	888.88	-0.05	888.88	-0.18	-0.03	888.88	-0.01	888.88
24	-0.04	0.1	-1.7	-0.02	888.88	-0.03	888.88	-0.18	0.00	888.88	0.01	888.88
25	-0.05	-0.3	-0.7	-0.02	888.88	-0.03	888.88	-0.17	-0.02	888.88	-0.01	888.88
Max	-0.03	0.9	-0.1	0.00	888.88	-0.02	888.88	-0.14	0.01	888.88	0.03	888.88
Min	-0.06	-0.8	-3.0	-0.04	888.88	-0.07	888.88	-0.18	-0.03	888.88	-0.02	888.88
Mean	-0.044	0.1	-1.6	-0.022	888.880	-0.036	888.880	-0.168	-0.007	888.880	0.008	888.880
Count	25.00	25.0	25.0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Range	0.03	1.7	3.0	0.04	0.00	0.05	0.00	0.04	0.04	0.00	0.05	0.00
3-S	0.026	1.2	1.9	0.035	0.000	0.040	0.000	0.034	0.038	0.000	0.036	0.000

Display#Data Acq.#File

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Focus: Shot #	ch-1	ch-2	ch-3	ch-4	ch-5	Z (um)	Qppm	Qppm
Focus: 1 {H,S,M,M,M}	-0.04	0.00	-0.04	-0.02	0.00	-0.015	1.581	-0.293
Focus: 2 {H,M,M,M,M}	-0.03	0.06	0.06	0.05	-0.05	0.017	-0.493	1.132
Focus: 3 {M,M,M,M,M}	-0.05	0.01	0.04	0.03	-0.07	-0.007	-1.250	-0.136
Focus: 4 {S,M,M,M,M}	0.03	-0.01	-0.06	0.01	0.04	0.003	0.249	-1.053
Focus: 5 {S,M,M,M,M}	0.00	0.05	0.02	0.00	0.04	0.017	3.203	0.062
Focus: 6 {M,M,M,M,M}	0.00	0.02	0.08	0.05	-0.03	0.028	-1.793	-0.085
Focus: 7 {M,M,M,M,M}	0.01	0.00	0.08	-0.02	0.01	0.015	0.575	0.559
Focus: 8 {M,M,M,M,M}	-0.02	-0.06	0.04	-0.04	-0.01	-0.016	-0.121	-1.037
Focus: 9 {M,M,M,M,M}	-0.01	-0.03	0.00	-0.01	-0.02	-0.015	-0.508	-0.249
Focus: 10 {M,S,M,M,M}	0.03	-0.04	-0.05	-0.02	-0.02	-0.022	-2.332	0.887
Focus: 11 {M,M,M,M,M}	-0.06	0.00	-0.06	-0.02	-0.06	-0.041	0.528	0.604
Focus: 12 {M,M,M,M,M}	0.00	0.03	-0.02	0.03	0.02	0.013	0.637	-0.631
Focus: 13 {M,M,M,M,M}	0.04	0.03	-0.13	0.01	0.03	-0.005	0.192	0.714
Focus: 14 {M,M,M,M,M}	-0.03	-0.05	0.08	-0.02	-0.02	-0.007	-0.769	-1.294
Focus: 15 {M,M,M,M,M}	0.03	0.03	-0.03	-0.02	0.00	0.004	0.365	2.258
Focus: 16 {M,M,M,M,M}	-0.04	0.03	-0.07	0.05	-0.01	-0.006	0.221	-1.597
Focus: 17 {M,M,M,M,M}	-0.04	-0.01	-0.04	-0.03	0.00	-0.023	1.467	-0.648
Focus: 18 {M,M,M,M,M}	-0.05	-0.02	-0.11	0.03	-0.06	-0.042	-1.913	-0.974
Focus: 19 {M,M,M,M,M}	-0.01	-0.08	0.04	-0.07	-0.02	-0.026	-0.614	-0.026
Focus: 20 {M,M,M,M,M}	-0.04	0.00	-0.11	0.00	-0.04	-0.039	0.274	0.182
Focus: 21 {M,M,M,M,M}	0.04	-0.06	-0.02	-0.06	0.03	-0.015	-0.544	0.063
Focus: 22 {M,M,M,M,M}	-0.07	0.01	0.00	0.01	-0.07	-0.023	0.059	-0.073
Focus: 23 {M,M,M,M,S}	-0.06	0.00	-0.03	0.03	-0.06	-0.025	-0.379	-0.721
Focus: 24 {M,M,M,M,M}	0.02	0.07	0.04	0.04	0.01	0.035	0.621	1.112
Focus: 25 {M,M,M,M,M}	0.02	-0.01	-0.01	-0.02	0.03	0.001	0.327	0.076
Focus: 26 {M,M,M,M,M}	-0.01	0.05	-0.03	0.04	0.02	0.016	1.081	-0.529
Focus: 27 {M,M,M,M,M}	0.11	-0.08	0.02	-0.08	0.12	0.019	0.171	-0.103
Focus: 28 {M,M,M,S,M}	0.00	0.07	0.10	-0.01	0.00	0.028	2.546	2.740
Focus: 29 {M,M,M,S,M}	-0.10	-0.04	-0.04	-0.03	-0.10	-0.062	0.287	-0.464
Focus: 30 {M,M,M,M,M}	0.01	-0.02	-0.07	0.00	0.01	-0.015	-0.545	-0.514
Focus: 31 {M,M,M,M,M}	-0.01	0.03	0.06	0.03	0.01	0.015	0.636	-0.488
Focus: 32 {M,M,M,M,S}	-0.07	-0.02	0.01	0.01	-0.11	-0.037	-1.362	0.723

⑧ $\sigma = 1.174$ ⑧ $\sigma = 3.522$ ④ $\sigma = 0.943$ ④ $\sigma = 2.828$

acceptance : print 4. 4A

SYSTEM	IVS-1					
Device-CANON Level-PREACCEP Job Plan-RETROTAT Lot #-S5030895						
Thu Aug 03 11:31:54 1995						
WAFER_ID:						
C1	R1	D1	S1	0.024	-0.027	
C2	R1	D2	S1	0.021	-0.022	
C3	R1	D3	S1	0.026	-0.026	
C4	R1	D4	S1	0.024	-0.017	
C5	R1	D5	S1	0.014	-0.026	
			Average	0.022	-0.024	Y1
C5	R2	D6	S1	0.021	-0.011	
C4	R2	D7	S1	0.021	-0.024	
C3	R2	D8	S1	0.022	-0.014	
C2	R2	D9	S1	0.015	-0.022	
C1	R2	D10	S1	0.020	-0.038	
			Average	0.020	-0.022	Y2
C1	R3	D11	S1	0.018	-0.016	
C2	R3	D12	S1	0.026	-0.015	
C3	R3	D13	S1	0.013	-0.023	
C4	R3	D14	S1	0.025	-0.018	
C5	R3	D15	S1	0.013	-0.020	
			Average	0.019	-0.018	Y3
C5	R4	D16	S1	0.021	-0.032	
C4	R4	D17	S1	0.024	-0.002	
C3	R4	D18	S1	0.012	-0.023	
C2	R4	D19	S1	0.023	-0.011	
C1	R4	D20	S1	0.036	0.049	
			Average	0.023	-0.004	Y4
C1	R5	D21	S1	0.016	-0.010	
C2	R5	D22	S1	0.024	-0.030	
C3	R5	D23	S1	0.019	-0.011	
C4	R5	D24	S1	0.020	-0.010	
C5	R5	D25	S1	0.033	-0.006	
□			Average	0.022	-0.014	Y5
			Total Ave	0.021	-0.016	Y
						spec
				Y/2	-0.0081	0.01
				Ymax	-0.004	
				Ymin	-0.024	
			(Ymax-Ymin)/2		0.010	0.02

SYSTEM	IVS-1					
Device-CANON Level-PREACCEP Job Plan-RETROTAT Lot #-PLUS12						
Thu Aug 03 16:45:37 1995						
WAFER_ID:						
C1	R1	D1	S1	0.0313	-0.0367	
C2	R1	D2	S1	0.021	-0.0274	
C3	R1	D3	S1	0.0215	-0.0351	
C4	R1	D4	S1	0.0259	-0.0289	
C5	R1	D5	S1	0.0039	-0.0229	
			Average	0.021	-0.030	Y1
C5	R2	D6	S1	0.0273	-0.0307	
C4	R2	D7	S1	0.0206	-0.0295	
C3	R2	D8	S1	0.0192	-0.0314	
C2	R2	D9	S1	0.0249	-0.0312	
C1	R2	D10	S1	0.0023	0.0287	
			Average	0.019	-0.019	Y2
C1	R3	D11	S1	0.0206	-0.0216	
C2	R3	D12	S1	0.0249	-0.0414	
C3	R3	D13	S1	0.0147	-0.0336	
C4	R3	D14	S1	0.0236	-0.0368	
C5	R3	D15	S1	0.0054	-0.0412	
			Average	0.018	-0.035	Y3
C5	R4	D16	S1	0.0242	-0.0447	
C4	R4	D17	S1	0.0194	-0.0229	
C3	R4	D18	S1	0.0281	-0.0451	
C2	R4	D19	S1	0.0235	-0.0252	
C1	R4	D20	S1	0.014	-0.0582	
			Average	0.022	-0.039	Y4
C1	R5	D21	S1	0.0248	-0.0419	
C2	R5	D22	S1	0.0222	-0.0167	
C3	R5	D23	S1	0.0187	-0.03	
C4	R5	D24	S1	0.0213	-0.0419	
C5	R5	D25	S1	0.0141	-0.0444	
			Average	0.020	-0.035	Y5
			Total Ave	0.020	-0.032	Y
						spec
	SRC	+1.2ppm		Y/2	-0.01581	0.01
				Ymax	-0.019	
				Ymin	-0.039	
				(Ymax-Ymin)/2	0.010	0.02

dege reticle offset waarde + 1,2 ppm ingevoerd (ingesteld)
 resultaat $\gamma = -0,032$.

SYSTEM	IVS-1					
Device-CANON Level-PREACCEP Job Plan-RETROTAT Lot # Minus 2						
Thu Aug 03 16:45:37 1995						
WAFER_ID:						
C1	R1	D1	S1	0.0245	0.0017	
C2	R1	D2	S1	0.0143	0.0023	
C3	R1	D3	S1	0.0156	-0.0047	
C4	R1	D4	S1	0.0211	-0.007	
C5	R1	D5	S1	0.0498	0.0054	
			Average	0.025	0.000	Y1
C5	R2	D6	S1	0.0228	-0.0018	
C4	R2	D7	S1	0.0229	-0.0049	
C3	R2	D8	S1	0.021	0.014	
C2	R2	D9	S1	0.0201	-0.0005	
C1	R2	D10	S1	0.0387	-0.0125	
			Average	0.025	-0.001	Y2
C1	R3	D11	S1	0.0142	-0.0105	
C2	R3	D12	S1	0.0193	-0.0005	
C3	R3	D13	S1	0.02	-0.0017	
C4	R3	D14	S1	0.0293	-0.0038	
C5	R3	D15	S1	0.0278	0.0149	
			Average	0.022	0.000	Y3
C5	R4	D16	S1	0.0243	-0.0127	
C4	R4	D17	S1	0.0164	0.0068	
C3	R4	D18	S1	0.0213	-0.0052	
C2	R4	D19	S1	0.0205	0.0082	
C1	R4	D20	S1	0.0281	-0.0346	
			Average	0.022	-0.008	Y4
C1	R5	D21	S1	0.0302	-0.0014	
C2	R5	D22	S1	0.0115	-0.0067	
C3	R5	D23	S1	0.0217	0.0038	
C4	R5	D24	S1	0.0223	-0.0093	
C5	R5	D25	S1	0.0444	0.0214	
□			Average	0.026	0.002	Y5
			Total Ave	0.024	-0.002	Y
						spec
	SRC	- 1.2ppm		Y/2	-0.00079	0.01
				Ymax	0.002	
				Ymin	-0.008	
				(Ymax-Ymin)/2	0.005	0.02

besluit: offset van - 1,2 ppm geeft ons
 een reële notatie van slechts -0.002 ppm
 deze offset zal ingesteld worden in
 stappen 5.

3d: DXD Jernell Stalings d

3-8-95

Measure/Focus/Tilt/Offset

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Tsoc

Data#	Z um	X ppm	Y ppm	C1m um	C1s um	C2m um	C2s um	C3 um	C4m um	C4s um	C5m um	C5s um
1	-0.04	0.2	-1.5	0.00	888.88	-0.03	888.88	-0.17	-0.01	888.88	0.03	888.88
2	-0.05	-0.2	-1.9	-0.03	888.88	-0.05	888.88	-0.17	-0.02	888.88	0.00	888.88
3	-0.04	-0.4	-1.6	-0.01	888.88	-0.03	888.88	-0.16	0.01	888.88	0.01	888.88
4	-0.05	0.1	-2.0	-0.03	888.88	-0.03	888.88	-0.18	0.00	888.88	0.01	888.88
5	-0.06	-0.5	-1.2	-0.03	888.88	-0.05	888.88	-0.18	-0.02	888.88	-0.01	888.88
6	-0.04	-0.3	-1.7	-0.01	888.88	-0.03	888.88	-0.15	0.01	888.88	0.01	888.88
7	-0.04	0.1	-0.7	-0.01	888.88	-0.03	888.88	-0.18	-0.02	888.88	0.01	888.88
8	-0.04	0.9	-1.5	-0.03	888.88	-0.03	888.88	-0.16	-0.02	888.88	0.02	888.88
9	-0.03	-0.1	-1.2	0.00	888.88	-0.02	888.88	-0.16	0.01	888.88	0.02	888.88
10	-0.04	0.2	-2.8	-0.03	888.88	-0.04	888.88	-0.18	0.01	888.88	0.02	888.88
11	-0.05	-0.8	-1.6	-0.02	888.88	-0.04	888.88	-0.18	0.00	888.88	-0.01	888.88
12	-0.04	0.1	-2.0	-0.03	888.88	-0.04	888.88	-0.17	0.00	888.88	0.01	888.88
13	-0.05	-0.3	-2.7	-0.03	888.88	-0.07	888.88	-0.17	-0.02	888.88	0.01	888.88
14	-0.05	0.4	-0.1	-0.03	888.88	-0.03	888.88	-0.17	-0.03	888.88	-0.02	888.88
15	-0.04	0.6	-1.5	-0.03	888.88	-0.03	888.88	-0.17	-0.01	888.88	0.01	888.88
16	-0.04	0.7	-1.7	-0.03	888.88	-0.03	888.88	-0.17	-0.01	888.88	0.02	888.88
17	-0.04	0.4	-1.7	-0.03	888.88	-0.03	888.88	-0.16	-0.01	888.88	0.01	888.88
18	-0.06	-0.3	-3.0	-0.04	888.88	-0.07	888.88	-0.18	-0.01	888.88	0.01	888.88
19	-0.03	0.1	-2.0	-0.01	888.88	-0.03	888.88	-0.16	0.01	888.88	0.02	888.88
20	-0.04	0.6	-1.5	-0.03	888.88	-0.02	888.88	-0.16	0.00	888.88	0.01	888.88
21	-0.03	-0.2	-1.4	-0.01	888.88	-0.03	888.88	-0.15	0.00	888.88	0.01	888.88
22	-0.03	0.2	-1.2	0.00	888.88	-0.02	888.88	-0.14	0.00	888.88	0.02	888.88
23	-0.06	0.2	-1.2	-0.03	888.88	-0.05	888.88	-0.18	-0.03	888.88	-0.01	888.88
24	-0.04	0.1	-1.7	-0.02	888.88	-0.03	888.88	-0.18	0.00	888.88	0.01	888.88
25	-0.05	-0.3	-0.7	-0.02	888.88	-0.03	888.88	-0.17	-0.02	888.88	-0.01	888.88
Max	-0.03	0.9	-0.1	0.00	888.88	-0.02	888.88	-0.14	0.01	888.88	0.03	888.88
Min	-0.06	-0.8	-3.0	-0.04	888.88	-0.07	888.88	-0.18	-0.03	888.88	-0.02	888.88
Mean	-0.044	0.1	-1.6	-0.022	888.880	-0.036	888.880	-0.168	-0.007	888.880	0.008	888.880
Count	25.00	25.0	25.0	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00
Range	0.03	1.7	3.0	0.04	0.00	0.05	0.00	0.04	0.04	0.00	0.05	0.00
3-S	0.026	1.2	1.9	0.035	0.000	0.040	0.000	0.034	0.038	0.000	0.036	0.000

35 DxD leveling Repeatability

3-8-95

Display Data Acq. File

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Focus:	Shot #:	ch-1	ch-2	ch-3	ch-4	ch-5	Z (um)	(ppm)	(ppm)
Focus:	1: {H,S,M,H,M}	-0.04	0.06	-0.04	-0.02	0.00	-0.015	1.581	-0.293
Focus:	2: {H,M,M,M,M}	-0.03	0.06	0.06	0.05	-0.05	0.017	-0.493	1.132
Focus:	3: {H,M,M,M,M}	-0.05	0.01	0.04	0.03	-0.07	-0.007	-1.250	-0.136
Focus:	4: {S,M,M,M,M}	0.03	-0.01	-0.06	0.01	0.04	0.003	0.249	-1.053
Focus:	5: {S,M,M,M,M}	0.00	0.05	0.02	0.00	0.04	0.017	3.203	0.062
Focus:	6: {M,M,M,M,M}	0.00	0.02	0.08	0.05	-0.03	0.028	-1.793	-0.085
Focus:	7: {M,M,M,M,M}	0.01	0.00	0.08	-0.02	0.01	0.015	0.575	0.559
Focus:	8: {M,M,M,M,M}	-0.02	-0.06	0.04	-0.04	-0.01	-0.016	-0.121	-1.037
Focus:	9: {M,M,M,M,M}	-0.01	-0.03	0.00	-0.01	-0.02	-0.015	-0.508	-0.249
Focus:	10: {M,S,M,M,M}	0.03	-0.04	-0.05	-0.02	-0.02	-0.022	-2.332	0.887
Focus:	11: {M,M,M,M,M}	-0.06	0.00	-0.06	-0.02	-0.06	-0.041	0.528	0.604
Focus:	12: {M,M,M,M,M}	0.00	0.03	-0.02	0.03	0.02	0.013	0.637	-0.631
Focus:	13: {M,M,M,M,M}	0.04	0.03	-0.13	0.01	0.03	-0.005	0.192	0.714
Focus:	14: {M,M,M,M,M}	-0.03	-0.05	0.08	-0.02	-0.02	-0.007	-0.769	-1.294
Focus:	15: {M,M,M,M,M}	0.03	0.03	-0.03	-0.02	0.00	0.004	0.365	2.258
Focus:	16: {M,M,M,M,M}	-0.04	0.03	-0.07	0.05	-0.01	-0.006	0.221	-1.597
Focus:	17: {M,M,M,M,M}	-0.04	-0.01	-0.04	-0.03	0.00	-0.023	1.467	-0.648
Focus:	18: {M,M,M,M,M}	-0.05	-0.02	-0.11	0.03	-0.06	-0.042	-1.913	-0.974
Focus:	19: {M,M,M,M,M}	-0.01	-0.08	0.04	-0.07	-0.02	-0.026	-0.614	-0.026
Focus:	20: {M,M,M,M,M}	-0.04	0.00	-0.11	0.00	-0.04	-0.039	0.274	0.182
Focus:	21: {M,M,M,M,M}	0.04	-0.06	-0.02	-0.06	0.03	-0.015	-0.544	0.063
Focus:	22: {M,M,M,M,M}	-0.07	0.01	0.00	0.01	-0.07	-0.023	0.059	-0.073
Focus:	23: {M,M,M,M,S}	-0.06	0.00	-0.03	0.03	-0.06	-0.025	-0.379	-0.721
Focus:	24: {M,M,M,M,M}	0.02	0.07	0.04	0.04	0.01	0.035	0.621	1.112
Focus:	25: {M,M,M,M,M}	0.02	-0.01	-0.01	-0.02	0.03	0.001	0.327	0.076
Focus:	26: {M,M,M,M,M}	-0.01	0.05	-0.03	0.04	0.02	0.016	1.081	-0.529
Focus:	27: {M,M,M,M,M}	0.11	-0.08	0.02	-0.08	0.12	0.019	0.171	-0.103
Focus:	28: {M,M,M,S,M}	0.00	0.07	0.10	-0.01	0.00	0.028	2.546	2.740
Focus:	29: {M,M,M,S,M}	-0.10	-0.04	-0.04	-0.03	-0.10	-0.062	0.287	-0.464
Focus:	30: {M,M,M,M,M}	0.01	-0.02	-0.07	0.00	0.01	-0.015	-0.545	-0.514
Focus:	31: {M,M,M,M,M}	-0.01	0.03	0.00	0.03	0.01	0.015	0.636	-0.488
Focus:	32: {M,M,M,M,S}	-0.07	-0.02	0.01	0.01	-0.11	-0.037	-1.362	0.723

$$\sigma = 1.174$$

$$\sigma = 3.522$$

$$\sigma = 0.043$$

$$3\sigma = 2.828$$

acceptance : punt 4.

SYSTEM	IVS-1					
Device-CANON Level-PREACCEP Job Plan-RETROTAT Lot #-S5030895						
Thu Aug 03 11:31:54 1995						
WAFER_ID:						
C1	R1	D1	S1	0.024	-0.027	
C2	R1	D2	S1	0.021	-0.022	
C3	R1	D3	S1	0.026	-0.026	
C4	R1	D4	S1	0.024	-0.017	
C5	R1	D5	S1	0.014	-0.026	
			Average	0.022	-0.024	Y1
C5	R2	D6	S1	0.021	-0.011	
C4	R2	D7	S1	0.021	-0.024	
C3	R2	D8	S1	0.022	-0.014	
C2	R2	D9	S1	0.015	-0.022	
C1	R2	D10	S1	0.020	-0.038	
			Average	0.020	-0.022	Y2
C1	R3	D11	S1	0.018	-0.016	
C2	R3	D12	S1	0.026	-0.015	
C3	R3	D13	S1	0.013	-0.023	
C4	R3	D14	S1	0.025	-0.018	
C5	R3	D15	S1	0.013	-0.020	
			Average	0.019	-0.018	Y3
C5	R4	D16	S1	0.021	-0.032	
C4	R4	D17	S1	0.024	-0.002	
C3	R4	D18	S1	0.012	-0.023	
C2	R4	D19	S1	0.023	-0.011	
C1	R4	D20	S1	0.036	0.049	
			Average	0.023	-0.004	Y4
C1	R5	D21	S1	0.016	-0.010	
C2	R5	D22	S1	0.024	-0.030	
C3	R5	D23	S1	0.019	-0.011	
C4	R5	D24	S1	0.020	-0.010	
C5	R5	D25	S1	0.033	-0.006	
□			Average	0.022	-0.014	Y5
			Total Ave	0.021	-0.016	Y
						spec
				Y/2	-0.0081	0.01
				Ymax	-0.004	
				Ymin	-0.024	
			(Ymax-Ymin)/2		0.010	0.02

SYSTEM		IVS-1					
Device-CANON Level-PREACCEP Job Plan-RETROTAT Lot #-PLUS12							
Thu Aug 03 16:45:37 1995							
WAFER_ID:							
C1	R1	D1	S1	0.0313	-0.0367		
C2	R1	D2	S1	0.021	-0.0274		
C3	R1	D3	S1	0.0215	-0.0351		
C4	R1	D4	S1	0.0259	-0.0289		
C5	R1	D5	S1	0.0039	-0.0229		
			Average	0.021	-0.030	Y1	
C5	R2	D6	S1	0.0273	-0.0307		
C4	R2	D7	S1	0.0206	-0.0295		
C3	R2	D8	S1	0.0192	-0.0314		
C2	R2	D9	S1	0.0249	-0.0312		
C1	R2	D10	S1	0.0023	0.0287		
			Average	0.019	-0.019	Y2	
C1	R3	D11	S1	0.0206	-0.0216		
C2	R3	D12	S1	0.0249	-0.0414		
C3	R3	D13	S1	0.0147	-0.0336		
C4	R3	D14	S1	0.0236	-0.0368		
C5	R3	D15	S1	0.0054	-0.0412		
			Average	0.018	-0.035	Y3	
C5	R4	D16	S1	0.0242	-0.0447		
C4	R4	D17	S1	0.0194	-0.0229		
C3	R4	D18	S1	0.0281	-0.0451		
C2	R4	D19	S1	0.0235	-0.0252		
C1	R4	D20	S1	0.014	-0.0582		
			Average	0.022	-0.039	Y4	
C1	R5	D21	S1	0.0248	-0.0419		
C2	R5	D22	S1	0.0222	-0.0167		
C3	R5	D23	S1	0.0187	-0.03		
C4	R5	D24	S1	0.0213	-0.0419		
C5	R5	D25	S1	0.0141	-0.0444		
			Average	0.020	-0.035	Y5	
			Total Ave	0.020	-0.032	Y	
						spec	
	SRC	+1.2ppm		Y/2	-0.01581		0.01
				Ymax	-0.019		
				Ymin	-0.039		
				(Ymax-Ymin)/2	0.010		0.02

stage reticle offset waarde + 1,2 ppm ingevoerd (ingesteld)
 resultaat $\gamma = -0,032$

SYSTEM	IVS-1					
Device-CANON Level-PREACCEP Job Plan-RETROTAT Lot # Minus 2						
Thu Aug 03 16:45:37 1995						
WAFER_ID:						
C1	R1	D1	S1	0.0245	0.0017	
C2	R1	D2	S1	0.0143	0.0023	
C3	R1	D3	S1	0.0156	-0.0047	
C4	R1	D4	S1	0.0211	-0.007	
C5	R1	D5	S1	0.0498	0.0054	
			Average	0.025	0.000	Y1
C5	R2	D6	S1	0.0228	-0.0018	
C4	R2	D7	S1	0.0229	-0.0049	
C3	R2	D8	S1	0.021	0.014	
C2	R2	D9	S1	0.0201	-0.0005	
C1	R2	D10	S1	0.0387	-0.0125	
			Average	0.025	-0.001	Y2
C1	R3	D11	S1	0.0142	-0.0105	
C2	R3	D12	S1	0.0193	-0.0005	
C3	R3	D13	S1	0.02	-0.0017	
C4	R3	D14	S1	0.0293	-0.0038	
C5	R3	D15	S1	0.0278	0.0149	
			Average	0.022	0.000	Y3
C5	R4	D16	S1	0.0243	-0.0127	
C4	R4	D17	S1	0.0164	0.0068	
C3	R4	D18	S1	0.0213	-0.0052	
C2	R4	D19	S1	0.0205	0.0082	
C1	R4	D20	S1	0.0281	-0.0346	
			Average	0.022	-0.008	Y4
C1	R5	D21	S1	0.0302	-0.0014	
C2	R5	D22	S1	0.0115	-0.0067	
C3	R5	D23	S1	0.0217	0.0038	
C4	R5	D24	S1	0.0223	-0.0093	
C5	R5	D25	S1	0.0444	0.0214	
			Average	0.026	0.002	Y5
			Total Ave	0.024	-0.002	Y
						spec
	SRC	- 1.2ppm		Y/2	-0.00079	0.01
				Ymax	0.002	
				Ymin	-0.008	
				(Ymax-Ymin)/2	0.005	0.02

besluit: offset van - 1,2 ppm geeft ons
 een reële rotatie van slechts -0.002 ppm
 deze offset zal ingesteld worden in
 stappen 5

parameters veranderd in stappen 5:
 maintenance off - set: model 1
 $x = 0,025$
 $y = 0,01$
 veranderd in
 $x = 0,03$
 $y = 0,02$

SYSTEM	IVS-1							
Device-CANON Level-AGA Job Plan-RESIST Lot #2S5M1D1								
Wed Aug 09 16:00:17 1995								
SLOT 1								
WAFER_ID:								
C2	R1	D1	S1	-0.0095	-0.0258	0.0068	-0.028	-0.001
C3	R1	D2	S1	-0.0109	-0.0364	0.0083	-0.0333	-0.001
C4	R1	D3	S1	-0.0039	-0.0326	0.0186	-0.0382	0.007
C5	R1	D4	S1	-0.0114	-0.0391	0.0069	-0.0334	-0.002
C6	R2	D5	S1	-0.0081	-0.0202	0.0135	-0.0135	0.003
C5	R2	D6	S1	-0.0076	-0.0149	0.0135	-0.0183	0.003
C4	R2	D7	S1	-0.0043	-0.0344	0.0168	-0.026	0.006
C3	R2	D8	S1	-0.0108	-0.0164	0.0114	-0.0197	0.000
C2	R2	D9	S1	-0.0017	-0.0223	0.0163	-0.0275	0.007
C1	R2	D10	S1	-0.0114	-0.034	0.0093	-0.0352	-0.001
C1	R3	D11	S1	-0.0058		0.0139	-0.0104	0.004
C2	R3	D12	S1	-0.0066	-0.0149	0.0148	-0.01	0.004
C3	R3	D13	S1	-0.0059	-0.0116	0.0122	-0.0072	0.003
C4	R3	D14	S1	-0.0018	-0.013	0.0141	-0.0177	0.006
C5	R3	D15	S1	-0.0019	-0.0154	0.0193	-0.0186	0.009
C6	R3	D16	S1	-0.0058	-0.0129	0.0217	-0.0101	0.008
C6	R4	D17	S1	-0.0036	0.0033	0.0172	-0.0041	0.007
C5	R4	D18	S1	-0.001	-0.0078	0.0234	-0.0099	0.011
C4	R4	D19	S1	0.0016	-0.0185	0.0222	-0.0157	0.012
C3	R4	D20	S1	-0.0003	-0.0079	0.0174	-0.005	0.009
C2	R4	D21	S1	-0.0048	-0.017	0.0167	-0.017	0.006
C1	R4	D22	S1	0.003	-0.0225	0.0228	-0.0233	0.013
C1	R5	D23	S1	-0.0041	-0.0299	0.0169	-0.0264	0.006
C2	R5	D24	S1	-0.0021	-0.0157	0.0153	-0.0158	0.007
C3	R5	D25	S1	-0.001	-0.0037	0.0176	0.0023	0.008
C4	R5	D26	S1	-0.0021	0.0104	0.0192	0.0069	0.009
C5	R5	D27	S1	-0.003	-0.0062	0.0208	-0.0054	0.009
C6	R5	D28	S1	-0.0025	-0.017	0.0222	-0.0174	0.010
C5	R6	D29	S1	0.0018	-0.012	0.0221	-0.015	0.012
C4	R6	D30	S1	0.0014	0.004	0.0185	0.0094	0.010
C3	R6	D31	S1	0.0003	-0.0028	0.0273	0	0.014
C2	R6	D32	S1	0.0027	0.0067	0.0247	0.0055	0.014
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	-0.004	-0.016	0.017	-0.015	0.007
			3sigma	0.013	0.038	0.015	0.037	0.013
			m +3sig	0.016	0.054	0.032	0.052	0.020
C2	R1	D1	S1	-0.0064	0.0206	0.0183	0.0113	0.006
C3	R1	D2	S1	-0.0011	-0.0026	0.0225	-0.0134	0.011
C4	R1	D3	S1	-0.0093	0.0008	0.0109	-0.0073	0.001
C5	R1	D4	S1	-0.0114	-0.0133	0.01	-0.0075	-0.001
C6	R2	D5	S1	-0.0016	0.0044	0.0208	-0.0096	0.010
C5	R2	D6	S1	-0.0046	0.0092	0.014	-0.0035	0.005
C4	R2	D7	S1	-0.0083	0.0051	0.0126	0.0052	0.002
C3	R2	D8	S1	0.0002	0.0092	0.0166	-0.001	0.008
C2	R2	D9	S1	-0.0007	0.02	0.0196	0.0086	0.009
C1	R2	D10	S1	-0.0111	0.0251	0.0171	0.0132	0.003
C1	R3	D11	S1	-0.0031	0.0305	0.0164	0.0242	0.007
C2	R3	D12	S1	0.0003	0.0218	0.0203	0.0136	0.010
C3	R3	D13	S1	0.0001	0.0152	0.0157	0.0118	0.008

DAY1M1B.XLS

C4	R3	D14	S1	-0.0029	0.0073	0.0176	-0.0047	0.007
C5	R3	D15	S1	-0.0083	0.012	0.0155	-0.0036	0.004
C6	R3	D16	S1	-0.0109	-0.0006	0.0152	-0.0084	0.002
C6	R4	D17	S1	-0.0047	0.0041	0.0173	-0.0026	0.006
C5	R4	D18	S1	-0.0023	0.0189	0.0174	0.0133	0.008
C4	R4	D19	S1	-0.0007	0.0223	0.0228	0.0148	0.011
C3	R4	D20	S1	-0.005	0.004	0.0156	-0.0035	0.005
C2	R4	D21	S1	0.0032	0.0331	0.0188	0.0252	0.011
C1	R4	D22	S1	-0.003	0.0271	0.0208	0.0185	0.009
C1	R5	D23	S1	-0.0015	0.041	0.0242	0.0391	0.011
C2	R5	D24	S1	-0.0043	0.0151	0.0154	0.0023	0.006
C3	R5	D25	S1	-0.0018	0.0227	0.0151	0.0199	0.007
C4	R5	D26	S1	-0.0027	0.0235	0.0111	0.0192	0.004
C5	R5	D27	S1	-0.0029	0.0073	0.0195	0.0017	0.008
C6	R5	D28	S1	-0.0016	0.0003	0.0218	-0.0116	0.010
C5	R6	D29	S1	-0.0101	0.0106	0.0133	0.008	0.002
C4	R6	D30	S1	-0.0013	0.0117	0.012	0.0095	0.005
C3	R6	D31	S1	-0.0053	0.0051	0.0175	-0.0041	0.006
C2	R6	D32	S1	-0.0057	0.0298	0.0193	0.0289	0.007
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	-0.004	0.014	0.017	0.006	0.007
			3sigma	0.011	0.036	0.011	0.039	0.010
			m +3sig	0.015	0.050	0.028	0.046	0.016
C2	R1	D1	S1	-0.0111	0.0116	0.0113	-0.0032	0.000
C3	R1	D2	S1	-0.0068	-0.0076	0.0163	-0.0064	0.005
C4	R1	D3	S1	-0.0127	-0.0105	0.0074	-0.0195	-0.003
C5	R1	D4	S1	-0.0078	-0.0093	0.0098	-0.0002	0.001
C6	R2	D5	S1	0.0015	-0.0122	0.0188	-0.0157	0.010
C5	R2	D6	S1	-0.0032	-0.0052	0.015	-0.0146	0.006
C4	R2	D7	S1	-0.0078	-0.0027	0.0151	-0.0117	0.004
C3	R2	D8	S1	-0.0089	0.0169	0.0138	0.0044	0.002
C2	R2	D9	S1	-0.005	0.0068	0.0147	-0.0069	0.005
C1	R2	D10	S1	-0.0074	0.0092	0.0123	-0.0013	0.002
C1	R3	D11	S1	-0.0037	0.0172	0.0162	0.0044	0.006
C2	R3	D12	S1	-0.0014	0.0124	0.0141	0.0059	0.006
C3	R3	D13	S1	0.0028	0.011	0.0219	0.0016	0.012
C4	R3	D14	S1	-0.0026	-0.0101	0.0183	-0.0183	0.008
C5	R3	D15	S1	-0.0037	-0.0042	0.0159	-0.0082	0.006
C6	R3	D16	S1	0.0041	-0.0034	0.0282	-0.0101	0.016
C6	R4	D17	S1	0.0074	0.0035	0.0248	-0.0079	0.016
C5	R4	D18	S1	0.0073	0.0014	0.0215	-0.008	0.014
C4	R4	D19	S1	0.0066	-0.0057	0.0227	-0.0189	0.015
C3	R4	D20	S1	-0.0031	0.0339	0.0143	0.0224	0.006
C2	R4	D21	S1	0.0011	0.0256	0.0242	0.0172	0.013
C1	R4	D22	S1	-0.0025	0.0221	0.0198	0.0096	0.009
C1	R5	D23	S1	-0.005	0.0208	0.0175	0.0181	0.006
C2	R5	D24	S1	-0.0037	0.0083	0.0105	0.0008	0.003
C3	R5	D25	S1	0.0057	0.0111	0.0229	0.0002	0.014
C4	R5	D26	S1	0.0015	0.0166	0.0213	0.0129	0.011
C5	R5	D27	S1	0.0096	-0.0011	0.0247	-0.0059	0.017
C6	R5	D28	S1	0.0083	0.0067	0.0271	-0.0024	0.018
C5	R6	D29	S1	0.0078	0.0245	0.0255	0.017	0.017
C4	R6	D30	S1	0.004	0.0133	0.0233	0.0129	0.014
C3	R6	D31	S1	-0.0011	0.013	0.0187	0.0141	0.009
C2	R6	D32	S1	-0.0061	0.0213	0.018	0.0043	0.006

DAY1M1B.XLS

				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	-0.001	0.007	0.018	0.000	0.009
			3sigma	0.018	0.037	0.016	0.035	0.017
			m +3sig	0.019	0.044	0.034	0.035	0.025
C1	R2	D10	S1	-0.0094	-0.0341	0.0076	-0.0336	-0.001
C1	R3	D11	S1	-0.0113	-0.0422	0.004	-0.0469	-0.004
C1	R4	D22	S1	-0.015	-0.0341	0.0033	-0.0344	-0.006
C1	R5	D23	S1	-0.0145	-0.0229	0.0005	-0.0221	-0.007
C2	R1	D1	S1	-0.0084	-0.0352	0.0095	-0.0424	0.001
C2	R2	D9	S1	-0.0095	-0.015	0.006	-0.0136	-0.002
C2	R3	D12	S1	-0.0112	-0.0193	0.0031	-0.0225	-0.004
C2	R4	D21	S1	-0.0161	-0.0317	0.0026	-0.0272	-0.007
C2	R5	D24	S1	-0.0085	-0.0327	0.0085	-0.0288	0.000
C2	R6	D32	S1	-0.0142	-0.0217	0.0031	-0.0308	-0.006
C3	R1	D2	S1	-0.0114	-0.0199	0.0054	-0.0258	-0.003
C3	R2	D8	S1	-0.0056	-0.022	0.0109	-0.0218	0.003
C3	R3	D13	S1	-0.0092	-0.0196	0.0067	-0.022	-0.001
C3	R4	D20	S1	-0.0093	-0.0273	0.0051	-0.0237	-0.002
C3	R5	D25	S1	-0.0103	-0.0297	0.0051	-0.0329	-0.003
C3	R6	D31	S1	-0.0041	-0.0168	0.0117	-0.0138	0.004
C4	R1	D3	S1	-0.0089	-0.0118	0.0051	-0.0196	-0.002
C4	R2	D7	S1	-0.0028	-0.0085	0.0076	-0.0188	0.002
C4	R3	D14	S1	-0.0067	-0.0071	0.0078	-0.0109	0.001
C4	R4	D19	S1	-0.0015	0.0069	0.0133	-0.0026	0.006
C4	R5	D26	S1	-0.0053	0.0036	0.0096	-0.0015	0.002
C4	R6	D30	S1	-0.001	-0.0059	0.0129	-0.007	0.006
C5	R1	D4	S1	-0.0041	0.0133	0.0114	0.0148	0.004
C5	R2	D6	S1	-0.0053	-0.0029	0.0104	-0.0084	0.003
C5	R3	D15	S1	0.0016	-0.0076	0.0112	-0.0065	0.006
C5	R4	D18	S1	-0.0038	0.0041	0.0106	-0.0012	0.003
C5	R5	D27	S1	0.0019	-0.0179	0.0161	-0.0271	0.009
C5	R6	D29	S1	-0.0054	-0.0132	0.0131	-0.0258	0.004
C6	R2	D5	S1	0.0002	-0.0029	0.0185	-0.0035	0.009
C6	R3	D16	S1	-0.0081	-0.0051	0.0115	-0.0119	0.002
C6	R4	D17	S1	0.0015	-0.0104	0.0131	-0.0104	0.007
C6	R5	D28	S1	-0.005	0.0074	0.0163	0.0037	0.006
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	-0.007	-0.015	0.009	-0.018	0.001
			3sigma	0.015	0.043	0.013	0.041	0.014
			m +3sig	0.022	0.058	0.022	0.060	0.015
C1	R2	D10	S1	-0.005	0.0127	0.0075	0.0064	0.001
C1	R3	D11	S1	0.0015	0.0005	0.0138	-0.0023	0.008
C1	R4	D22	S1	0.0023	0.0003	0.0156	-0.0098	0.009
C1	R5	D23	S1	-0.0025	-0.0035	0.0053	-0.0006	0.001
C2	R1	D1	S1	0.0004	-0.0041	0.0147	-0.0046	0.008
C2	R2	D9	S1	0.0032	0.0064	0.0131	-0.0069	0.008
C2	R3	D12	S1	0.0047	0.0164	0.0133	0.0079	0.009
C2	R4	D21	S1	-0.0014	0.0041	0.0109	0.0002	0.005
C2	R5	D24	S1	-0.0028	0.0071	0.011	0.0017	0.004
C2	R6	D32	S1	0.001	0.0159	0.0167	0.0002	0.009
C3	R1	D2	S1	-0.0026	0.0181	0.0096	0.008	0.004
C3	R2	D8	S1	0.0025	0.0225	0.0161	0.0083	0.009
C3	R3	D13	S1	0.0004	0.0187	0.0164	0.0119	0.008
C3	R4	D20	S1	0.0054	0.0146	0.0188	0.0143	0.012
C3	R5	D25	S1	-0.0026	0.0098	0.0125	0	0.005

DAY1M1B.XLS

C3	R6	D31	S1	0.0031	-0.0023	0.0153	-0.0085	0.009
C4	R1	D3	S1	0.0051	0.0154	0.0175	0.0107	0.011
C4	R2	D7	S1	0.005	0.015	0.0128	0.0044	0.009
C4	R3	D14	S1	0.0082	0.0114	0.0124	-0.0019	0.010
C4	R4	D19	S1	0.0042	0.02	0.0176	0.0027	0.011
C4	R5	D26	S1	0.003	0.0446	0.011	0.0313	0.007
C4	R6	D30	S1	0.0028	0.0261	0.0199	0.0218	0.011
C5	R1	D4	S1	-0.0066	0.0331	0.0113	0.0279	0.002
C5	R2	D6	S1	0.006	0.0274	0.0132	0.0179	0.010
C5	R3	D15	S1	0.0004	0.0373	0.0149	0.0295	0.008
C5	R4	D18	S1	0.0068	0.0113	0.0136	-0.0035	0.010
C5	R5	D27	S1	0.0028	0.0049	0.0127	-0.0018	0.008
C5	R6	D29	S1	0.0064	0.0125	0.0197	-0.0056	0.013
C6	R2	D5	S1	-0.0042	0.0235	0.0091	0.0112	0.002
C6	R3	D16	S1	0.0021	0.0077	0.0073	0.0014	0.005
C6	R4	D17	S1	0.0009	0.0177	0.0126	0.0088	0.007
C6	R5	D28	S1	-0.0056	0.0397	0.009	0.036	0.002
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.001	0.015	0.013	0.007	0.007
			3sigma	0.012	0.037	0.011	0.036	0.010
			m +3sig	0.013	0.052	0.024	0.043	0.017
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	-0.003	0.001	0.015	-0.004	0.006
			3sigma	0.016	0.056	0.017	0.049	0.015
			m +3sig	0.019	0.057	0.032	0.053	0.021
			AGA Model 1 Day1B					

DAY2M1B.XLS

SYSTEM		IVS-1						
Device-CANON Level-AGA Job Plan-RESIST Lot #-S5M1D2B								
Thu Aug 10 10:54:11 1995								
SLOT 1								
WAFER_ID:								
C2	R1	D1	S1	-0.006	-0.0313	0.0103	-0.0329	0.002
C3	R1	D2	S1	-0.0063	-0.0243	0.0142	-0.026	0.004
C4	R1	D3	S1	-0.0058	-0.0357	0.0168	-0.0312	0.006
C5	R1	D4	S1	-0.0045	-0.0251	0.0134	-0.0102	0.004
C6	R2	D5	S1	0.0007	-0.0355	0.0141	-0.0318	0.007
C5	R2	D6	S1	-0.0022	-0.0147	0.013	-0.0189	0.005
C4	R2	D7	S1	-0.0104	-0.0322	0.0074	-0.0295	-0.002
C3	R2	D8	S1	-0.0046	-0.0275	0.0115	-0.0223	0.003
C2	R2	D9	S1	-0.0052	-0.0222	0.0141	-0.0174	0.004
C1	R2	D10	S1	-0.0045	-0.0276	0.0111	-0.0277	0.003
C1	R3	D11	S1	-0.0051	-0.0292	0.0101	-0.0304	0.003
C2	R3	D12	S1	0.0014	-0.0225	0.0151	-0.0141	0.008
C3	R3	D13	S1	-0.0047	-0.0247	0.0076	-0.019	0.001
C4	R3	D14	S1	0.0016	-0.0195	0.0153	-0.0128	0.008
C5	R3	D15	S1	-0.0015	-0.031	0.0136	-0.03	0.006
C6	R3	D16	S1	0.0055	-0.0222	0.0231	-0.0229	0.014
C6	R4	D17	S1	-0.0011	-0.0232	0.0122	-0.0232	0.006
C5	R4	D18	S1	-0.0022	-0.0324	0.0143	-0.0353	0.006
C4	R4	D19	S1	0.0045	-0.0208	0.017	-0.0139	0.011
C3	R4	D20	S1	-0.0104	-0.0153	0.0078	-0.0085	-0.001
C2	R4	D21	S1	0.0002	-0.0289	0.0126	-0.0223	0.006
C1	R4	D22	S1	-0.0046	-0.0271	0.0144	-0.0226	0.005
C1	R5	D23	S1	-0.0107	-0.0114	0.008	-0.0013	-0.001
C2	R5	D24	S1	-0.0066	-0.0283	0.0106	-0.0279	0.002
C3	R5	D25	S1	-0.0111	-0.0176	0.0063	-0.0164	-0.002
C4	R5	D26	S1	-0.0019	-0.0206	0.0106	-0.0169	0.004
C5	R5	D27	S1	-0.0036	-0.0331	0.0128	-0.0294	0.005
C6	R5	D28	S1	-0.0052	-0.029	0.0134	-0.0245	0.004
C5	R6	D29	S1	0.0002	-0.0163	0.0184	-0.0181	0.009
C4	R6	D30	S1	0.0032	-0.0225	0.0194	-0.0228	0.011
C3	R6	D31	S1	-0.0024	-0.0341	0.0151	-0.0336	0.006
C2	R6	D32	S1	-0.0084	0.0011	0.0141	0.0032	0.003
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	-0.003	-0.025	0.013	-0.022	0.005
			3sigma	0.013	0.024	0.011	0.028	0.011
			m +3sig	0.016	0.048	0.024	0.049	0.016
C2	R1	D1	S1	0.0027	-0.0135	0.0162	-0.0115	0.009
C3	R1	D2	S1	0.0034	-0.0096	0.0119	-0.0126	0.008
C4	R1	D3	S1	0.0031	-0.0156	0.012	-0.0198	0.008
C5	R1	D4	S1	0.0026	-0.0233	0.0142	-0.0152	0.008
C6	R2	D5	S1	0.0076	-0.0076	0.0179	-0.005	0.013
C5	R2	D6	S1	0.0033	-0.0127	0.0144	-0.0114	0.009
C4	R2	D7	S1	0.0026	-0.0078	0.015	-0.012	0.009
C3	R2	D8	S1	-0.0078	-0.0189	0.0065	-0.02	-0.001
C2	R2	D9	S1	-0.0004	-0.0021	0.0101	0.0019	0.005
C1	R2	D10	S1	-0.0076	-0.0041	0.006	-0.0033	-0.001
C1	R3	D11	S1	-0.0091	-0.0022	0.0032	-0.0086	-0.003
C2	R3	D12	S1	-0.0001	-0.0038	0.0102	-0.0155	0.005
C3	R3	D13	S1	-0.0069	-0.0058	0.0044	-0.0153	-0.001

DAY2M1B.XLS

C4	R3	D14	S1	0.0037	0.002	0.0158	-0.0071	0.010
C5	R3	D15	S1	0.0056	-0.0105	0.0186	-0.0096	0.012
C6	R3	D16	S1	0.0035	-0.0075	0.022	-0.0096	0.013
C6	R4	D17	S1	0.0086	0.0078	0.0168	-0.002	0.013
C5	R4	D18	S1	0.0053	-0.0076	0.0152	-0.0134	0.010
C4	R4	D19	S1	0.0024	-0.0146	0.0089	-0.0161	0.006
C3	R4	D20	S1	0.0002	0.0113	0.0137	0.0081	0.007
C2	R4	D21	S1	0.0043	0.0171	0.0183	0.0108	0.011
C1	R4	D22	S1	-0.002	-0.0061	0.0099	-0.0066	0.004
C1	R5	D23	S1	-0.0037	0.0227	0.0082	0.0226	0.002
C2	R5	D24	S1	-0.0023	0.001	0.0087	0.0037	0.003
C3	R5	D25	S1	-0.0037	0.0032	0.012	-0.0058	0.004
C4	R5	D26	S1	0.0007	-0.0046	0.012	-0.0095	0.006
C5	R5	D27	S1	0.0025	0.0121	0.0126	0.0044	0.008
C6	R5	D28	S1	0.0012	-0.006	0.0124	-0.0129	0.007
C5	R6	D29	S1	0.0043	-0.0005	0.0162	-0.0091	0.010
C4	R6	D30	S1	0.0018	0.0058	0.0144	0.0001	0.008
C3	R6	D31	S1	-0.0044	0.0195	0.0117	0.0175	0.004
C2	R6	D32	S1	-0.0024	0.0029	0.0179	0.0064	0.008
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.001	-0.002	0.013	-0.006	0.007
			3sigma	0.013	0.033	0.013	0.031	0.013
			m +3sig	0.014	0.035	0.026	0.037	0.019
C2	R1	D1	S1	0.0125	-0.0121	0.0202	-0.0039	0.016
C3	R1	D2	S1	-0.0006	-0.0132	0.0102	-0.0124	0.005
C4	R1	D3	S1	0.0033	-0.0105	0.0163	-0.0071	0.010
C5	R1	D4	S1	-0.0035	-0.0103	0.0082	-0.0026	0.002
C6	R2	D5	S1	0.0026	0.0011	0.0149	0.0093	0.009
C5	R2	D6	S1	0.0025	0.0035	0.0094	-0.0002	0.006
C4	R2	D7	S1	0.0011	-0.0041	0.0113	0.0066	0.006
C3	R2	D8	S1	-0.0078	-0.0204	0.003	-0.0146	-0.002
C2	R2	D9	S1	-0.0006	-0.0072	0.0093	-0.0034	0.004
C1	R2	D10	S1	0.0021	-0.0149	0.01	-0.0109	0.006
C1	R3	D11	S1	0.0051	-0.011	0.0101	-0.009	0.008
C2	R3	D12	S1	-0.0012	-0.0125	0.0113	-0.0159	0.005
C3	R3	D13	S1	0.0013	0.007	0.0108	0.0089	0.006
C4	R3	D14	S1	-0.0014	0.0025	0.0093	0.0061	0.004
C5	R3	D15	S1	-0.0057	-0.0022	0.0082	-0.0057	0.001
C6	R3	D16	S1	-0.0043	-0.0021	0.0082	-0.0015	0.002
C6	R4	D17	S1	0.0017	0.014	0.0128	0.0141	0.007
C5	R4	D18	S1	0.0001	-0.008	0.0086	0.0003	0.004
C4	R4	D19	S1	0.0034	-0.0134	0.0121	-0.0094	0.008
C3	R4	D20	S1	0.0014	-0.0105	0.0104	-0.0141	0.006
C2	R4	D21	S1	-0.0027	0.001	0.0069	0.0109	0.002
C1	R4	D22	S1	-0.0017	-0.0088	0.0094	-0.0025	0.004
C1	R5	D23	S1	-0.0049	-0.0211	0.0089	-0.0164	0.002
C2	R5	D24	S1	-0.0036	-0.0212	0.0052	-0.0113	0.001
C3	R5	D25	S1	-0.0026	-0.0059	0.0082	-0.0056	0.003
C4	R5	D26	S1	0.0035	0.0167	0.0132	0.0208	0.008
C5	R5	D27	S1	0.0028	-0.0058	0.0144	-0.0092	0.009
C6	R5	D28	S1	-0.0097	0.0077	0.0101	0.0072	0.000
C5	R6	D29	S1	-0.0058	0.0039	0.0087	0.0064	0.001
C4	R6	D30	S1	0.0012	0.0069	0.0095	0.0094	0.005
C3	R6	D31	S1	-0.0056	-0.0116	0.004	-0.0004	-0.001
C2	R6	D32	S1	-0.0021	0.0139	0.0108	0.0205	0.004

DAY2M1B.XLS

				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	-0.001	-0.005	0.010	-0.001	0.005
			3sigma	0.013	0.031	0.010	0.031	0.011
			m +3sig	0.014	0.035	0.020	0.032	0.016
C1	R2	D10	S1	-0.0059	-0.0165	0.0043	-0.0104	-0.001
C1	R3	D11	S1	-0.0057	-0.0301	0.0071	-0.019	0.001
C1	R4	D22	S1	-0.0025	-0.0193	0.0045	-0.0204	0.001
C1	R5	D23	S1	-0.005	-0.0274	0.0004	-0.0203	-0.002
C2	R1	D1	S1	0.0014	-0.0066	0.0123	0.0011	0.007
C2	R2	D9	S1	-0.0068	-0.0086	0.0042	-0.0008	-0.001
C2	R3	D12	S1	-0.0058	-0.0071	0.0053	0.0001	0.000
C2	R4	D21	S1	-0.0044	-0.0236	0.0068	-0.0115	0.001
C2	R5	D24	S1	-0.0034	-0.0171	0.0118	-0.0072	0.004
C2	R6	D32	S1	-0.0049	-0.0218	0.0052	-0.0182	0.000
C3	R1	D2	S1	-0.0024	0.0075	0.0087	0.0118	0.003
C3	R2	D8	S1	0.0001	-0.0137	0.0063	-0.0008	0.003
C3	R3	D13	S1	-0.0021	-0.0055	0.0067	0.0002	0.002
C3	R4	D20	S1	0.0031	0.0004	0.0115	0.0067	0.007
C3	R5	D25	S1	0.0037	-0.002	0.0146	0.0045	0.009
C3	R6	D31	S1	-0.0013	-0.0064	0.0122	-0.005	0.005
C4	R1	D3	S1	0.0016	-0.0024	0.0104	0.0064	0.006
C4	R2	D7	S1	0.0049	0	0.0188	0.0022	0.012
C4	R3	D14	S1	0.0039	0.001	0.0184	0.0013	0.011
C4	R4	D19	S1	0.0005	-0.0194	0.0093	-0.0146	0.005
C4	R5	D26	S1	0.0002	0.0159	0.0116	0.0119	0.006
C4	R6	D30	S1	-0.0014	-0.0083	0.0121	-0.0071	0.005
C5	R1	D4	S1	-0.0059	0.0011	0.0119	0.0044	0.003
C5	R2	D6	S1	0.0009	-0.0056	0.0161	-0.0036	0.009
C5	R3	D15	S1	0.0005	0.0108	0.0155	0.0161	0.008
C5	R4	D18	S1	0.0001	0.0028	0.0107	0.0036	0.005
C5	R5	D27	S1	0.001	-0.0051	0.0122	-0.0069	0.007
C5	R6	D29	S1	0.0068	-0.0108	0.0179	-0.0087	0.012
C6	R2	D5	S1	0.0056	0.0098	0.0153	0.0126	0.010
C6	R3	D16	S1	0.0069	0.0142	0.0186	0.0119	0.013
C6	R4	D17	S1	0.0047	-0.0024	0.0173	0.0038	0.011
C6	R5	D28	S1	0.0038	0.0221	0.0221	0.0261	0.013
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.000	-0.005	0.011	-0.001	0.006
			3sigma	0.012	0.038	0.016	0.034	0.013
			m +3sig	0.012	0.043	0.027	0.035	0.019
C1	R2	D10	S1	-0.0058	-0.0055	0.0049	-0.0022	0.000
C1	R3	D11	S1	0.0004	-0.0231	0.0102	-0.0146	0.005
C1	R4	D22	S1	-0.0045	-0.0227	0.0074	-0.0145	0.001
C1	R5	D23	S1	-0.0049	-0.0182	0.0077	-0.0047	0.001
C2	R1	D1	S1	0.0024	-0.0111	0.0189	-0.0014	0.011
C2	R2	D9	S1	0.0037	-0.0104	0.0092	-0.0041	0.006
C2	R3	D12	S1	0.0061	0	0.0172	0.0066	0.012
C2	R4	D21	S1	0.0039	0.0025	0.0158	0.0028	0.010
C2	R5	D24	S1	-0.0029	0.0067	0.0088	0.0041	0.003
C2	R6	D32	S1	-0.0043	0.0033	0.0082	0.0025	0.002
C3	R1	D2	S1	-0.0031	0.0075	0.0052	0.0113	0.001
C3	R2	D8	S1	-0.004	0.0021	0.0111	0.0083	0.004
C3	R3	D13	S1	-0.001	-0.0027	0.0073	0.0003	0.003
C3	R4	D20	S1	0.0082	-0.0076	0.0152	0.0069	0.012
C3	R5	D25	S1	-0.0032	-0.0062	0.0101	-0.004	0.003

DAY2M1B.XLS

C3	R6	D31	S1	-0.0022	-0.0039	0.0081	0.0034	0.003
C4	R1	D3	S1	-0.0041	-0.0026	0.0071	-0.007	0.002
C4	R2	D7	S1	-0.0031	0.0035	0.0071	0.0056	0.002
C4	R3	D14	S1	0.0002	-0.0121	0.0105	-0.004	0.005
C4	R4	D19	S1	-0.0026	0.0019	0.0095	0.006	0.003
C4	R5	D26	S1	-0.0007	0.0048	0.014	0.0083	0.007
C4	R6	D30	S1	-0.002	0.017	0.0116	0.0096	0.005
C5	R1	D4	S1	-0.013	0.018	0.0007	0.0253	-0.006
C5	R2	D6	S1	-0.0003	0.0095	0.0094	0.0166	0.005
C5	R3	D15	S1	0.0017	0.0019	0.0118	0.0035	0.007
C5	R4	D18	S1	0.0027	0.0154	0.0056	0.0191	0.004
C5	R5	D27	S1	0.0071	-0.0148	0.0136	-0.0133	0.010
C5	R6	D29	S1	-0.0027	-0.0004	0.007	0.0006	0.002
C6	R2	D5	S1	-0.0016	0.0137	0.0055	0.0132	0.002
C6	R3	D16	S1	-0.0076	-0.0008	0.001	0.0097	-0.003
C6	R4	D17	S1	0.0033	0.0077	0.0124	0.0148	0.008
C6	R5	D28	S1	-0.0062	0.0242	0.0052	0.0279	-0.001
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	-0.001	0.000	0.009	0.004	0.004
			3sigma	0.013	0.034	0.013	0.031	0.012
			m +3sig	0.015	0.034	0.022	0.035	0.016
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	-0.001	-0.007	0.011	-0.005	0.005
			3sigma	0.013	0.041	0.013	0.041	0.012
			m +3sig	0.014	0.049	0.025	0.046	0.017
			AGA Model1 Day2					

S5M1D3B.XLS

SYSTEM		IVS-1						
Device-CANON Level-AGA Job Plan-RESIST Lot #-S5M1D3B								
Fri Aug 11 12:27:46 1995								
SLOT 1								
WAFER_ID:								
C2	R1	D1	S1	-0.003	0.0105	0.0028	0.008	0.000
C3	R1	D2	S1	0.0094	0.0028	0.0182	0.0032	0.014
C4	R1	D3	S1	0.0068	-0.014	0.0082	-0.0094	0.008
C5	R1	D4	S1	0.0142	-0.0043	0.0167	0.0019	0.015
C6	R2	D5	S1	0.014	-0.0006	0.0213	0.0027	0.018
C5	R2	D6	S1	0.0138	-0.0015	0.0167	-0.0029	0.015
C4	R2	D7	S1	0.0105	-0.0017	0.0153	-0.0033	0.013
C3	R2	D8	S1	0.0001	-0.0024	0.0028	-0.0027	0.001
C2	R2	D9	S1	0.0089	0.0065	0.0095	0.0047	0.009
C1	R2	D10	S1	0.0008	0.0058	0.011	0.0018	0.006
C1	R3	D11	S1	-0.0029	0.0125	0.0028	0.0152	0.000
C2	R3	D12	S1	0.0032	0.01	0.011	0.0118	0.007
C3	R3	D13	S1	0.0033	-0.0032	0.0043	-0.0076	0.004
C4	R3	D14	S1	0.0053	-0.0066	0.0115	-0.0098	0.008
C5	R3	D15	S1	0.0006	-0.0092	0.0029	-0.0116	0.002
C6	R3	D16	S1	0.0073	-0.0137	0.013	-0.0197	0.010
C6	R4	D17	S1	0.0064	0.0005	0.0145	0.0003	0.010
C5	R4	D18	S1	0.0095	-0.001	0.0152	-0.0021	0.012
C4	R4	D19	S1	0.0111	-0.0034	0.0122	-0.0062	0.012
C3	R4	D20	S1	0.0047	0.0218	0.0114	0.0229	0.008
C2	R4	D21	S1	0.0013	0.0226	0.0056	0.0153	0.003
C1	R4	D22	S1	-0.0018	0.017	0.008	0.0143	0.003
C1	R5	D23	S1	-0.0014	0.007	0.0049	0.0131	0.002
C2	R5	D24	S1	0.0059	-0.0059	0.011	-0.0019	0.008
C3	R5	D25	S1	0.0034	0.0144	0.0046	0.0105	0.004
C4	R5	D26	S1	0.0061	0.014	0.0139	0.0094	0.010
C5	R5	D27	S1	0.0029	0.0223	0.013	0.0173	0.008
C6	R5	D28	S1	0.0075	-0.0003	0.0149	-0.0042	0.011
C5	R6	D29	S1	0.0122	0.0133	0.0127	0.0093	0.012
C4	R6	D30	S1	-0.0006	0.0026	0.0036	-0.0029	0.002
C3	R6	D31	S1	-0.0001	-0.0119	0.0064	-0.0116	0.003
C2	R6	D32	S1	-0.0012	0.0102	0.0061	0.0133	0.002
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.005	0.004	0.010	0.002	0.008
			3sigma	0.016	0.031	0.015	0.030	0.015
			m +3sig	0.020	0.035	0.026	0.033	0.022
C2	R1	D1	S1	0.0071	-0.0172	0.0082	-0.0204	0.008
C3	R1	D2	S1	0.0059	-0.0024	0.0025	-0.0043	0.004
C4	R1	D3	S1	0.0067	-0.0137	0.0065	-0.013	0.007
C5	R1	D4	S1	0.0044	-0.0084	0.0039	-0.0027	0.004
C6	R2	D5	S1	0.0122	-0.0007	0.0139	-0.0024	0.013
C5	R2	D6	S1	0.0058	-0.011	0.0043	-0.0164	0.005
C4	R2	D7	S1	0.0039	-0.0101	0.006	-0.0179	0.005
C3	R2	D8	S1	0.0019	-0.0148	0.0043	-0.0233	0.003
C2	R2	D9	S1	0.0055	-0.0037	0.0028	-0.0081	0.004
C1	R2	D10	S1	0.0012	-0.0009	0.0079	-0.007	0.005
C1	R3	D11	S1	0.0011	-0.0031	0.0042	-0.0068	0.003
C2	R3	D12	S1	-0.0007	-0.0053	0.0009	-0.006	0.000
C3	R3	D13	S1	0.0035	-0.0121	0.0047	-0.0144	0.004

S5M1D3B.XLS

C4	R3	D14	S1	-0.0001	-0.0121	0.0028	-0.0096	0.001
C5	R3	D15	S1	0.0006	-0.0078	0.0076	-0.0173	0.004
C6	R3	D16	S1	0.003	-0.0148	0.0116	-0.0166	0.007
C6	R4	D17	S1	0.0018	0.0071	0.0037	-0.0031	0.003
C5	R4	D18	S1	0.0095	-0.0057	0.0065	-0.0117	0.008
C4	R4	D19	S1	0.0024	0.0007	-0.0016	-0.01	0.000
C3	R4	D20	S1	0.0027	0.008	0.0072	-0.0008	0.005
C2	R4	D21	S1	-0.0011	0.0148	0.0024	0.0088	0.001
C1	R4	D22	S1	0.0031	0.0048	0.0071	0.0037	0.005
C1	R5	D23	S1	-0.0012	-0.0071	0.0042	-0.0093	0.002
C2	R5	D24	S1	0.0038	0.0075	0.001	0.0035	0.002
C3	R5	D25	S1	0.0009	-0.0035	0.0075	-0.0073	0.004
C4	R5	D26	S1	0.0056	0.0183	0.0076	0.0098	0.007
C5	R5	D27	S1	0.0071	-0.0128	0.0132	-0.0187	0.010
C6	R5	D28	S1	0.0022	0.0016	0.0107	-0.0084	0.006
C5	R6	D29	S1	0.0068	0.003	0.01	0.0016	0.008
C4	R6	D30	S1	-0.0005	0.01	0.0018	0.0031	0.001
C3	R6	D31	S1	-0.0049	-0.005	0.0013	-0.0077	-0.002
C2	R6	D32	S1	0.0017	0.0138	0.0063	0.0129	0.004
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.003	-0.003	0.006	-0.007	0.004
			3sigma	0.010	0.028	0.011	0.027	0.009
			m +3sig	0.014	0.031	0.017	0.034	0.014
C2	R1	D1	S1	0.0092	-0.0126	0.0139	-0.0151	0.012
C3	R1	D2	S1	0.0074	-0.0258	0.0061	-0.0342	0.007
C4	R1	D3	S1	0.0061	-0.0151	0.0092	-0.0204	0.008
C5	R1	D4	S1	0.0036	-0.0224	0.0052	-0.01	0.004
C6	R2	D5	S1	0.005	-0.013	0.0065	-0.0145	0.006
C5	R2	D6	S1	0.0076	-0.0146	0.0079	-0.0167	0.008
C4	R2	D7	S1	0.0062	-0.0152	0.0085	-0.0211	0.007
C3	R2	D8	S1	0.0042	-0.0092	0.0078	-0.0136	0.006
C2	R2	D9	S1	0.0063	-0.0057	0.0086	-0.012	0.007
C1	R2	D10	S1	0.0078	-0.0137	0.0086	-0.0227	0.008
C1	R3	D11	S1	0.0045	-0.0056	0.0106	-0.0094	0.008
C2	R3	D12	S1	0.0036	-0.0103	0.0028	-0.0155	0.003
C3	R3	D13	S1	0.0041	-0.009	0.0087	-0.0116	0.006
C4	R3	D14	S1	0.0001	-0.0011	0.0022	-0.0076	0.001
C5	R3	D15	S1	-0.0019	-0.0087	0.0049	-0.0133	0.002
C6	R3	D16	S1	0.0014	-0.0035	0.0063	-0.0022	0.004
C6	R4	D17	S1	-0.0004	-0.0097	0.0014	-0.0162	0.001
C5	R4	D18	S1	0.0001	-0.0146	0.004	-0.0228	0.002
C4	R4	D19	S1	0.0009	0.0094	0.0015	0.0056	0.001
C3	R4	D20	S1	0.0027	0.0034	0.002	-0.0038	0.002
C2	R4	D21	S1	0.0029	-0.0056	0.0073	-0.0132	0.005
C1	R4	D22	S1	0.0074	-0.0101	0.0109	-0.0108	0.009
C1	R5	D23	S1	-0.0014	-0.0045	0.0025	-0.0065	0.001
C2	R5	D24	S1	-0.004	-0.007	0.0029	-0.014	-0.001
C3	R5	D25	S1	0.0016	0.0003	0.0013	-0.0053	0.001
C4	R5	D26	S1	0	0.016	0.0032	0.0048	0.002
C5	R5	D27	S1	0.0003	0.0001	0.005	-0.0064	0.003
C6	R5	D28	S1	-0.0023	-0.007	0.0029	-0.0166	0.000
C5	R6	D29	S1	-0.0004	-0.0005	-0.0007	-0.0131	-0.001
C4	R6	D30	S1	0.0003	0.0071	0.0026	0.0058	0.001
C3	R6	D31	S1	-0.0015	0.015	0.0026	0.0133	0.001
C2	R6	D32	S1	-0.0005	0.0066	0.0076	0.0089	0.004

S5M1D3B.XLS

				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.003	-0.006	0.005	-0.010	0.004
			3sigma	0.011	0.029	0.010	0.030	0.010
			m +3sig	0.013	0.035	0.016	0.041	0.014
C1	R2	D10	S1	-0.002	-0.003	0.0033	-0.0022	0.001
C1	R3	D11	S1	-0.0014	-0.0027	-0.0006	-0.0057	-0.001
C1	R4	D22	S1	-0.0025	-0.0122	0	-0.0156	-0.001
C1	R5	D23	S1	-0.0004	-0.0172	-0.0007	-0.0042	-0.001
C2	R1	D1	S1	0.0084	0.0006	0.0114	0.0097	0.010
C2	R2	D9	S1	0.0041	-0.0038	0.0067	-0.0024	0.005
C2	R3	D12	S1	0.0011	-0.0036	0.0045	-0.0008	0.003
C2	R4	D21	S1	-0.0078	-0.0047	0.0024	-0.0066	-0.003
C2	R5	D24	S1	-0.0027	-0.0055	0.0011	-0.0069	-0.001
C2	R6	D32	S1	-0.0034	-0.0067	0.0004	-0.0086	-0.002
C3	R1	D2	S1	0.0082	-0.0011	0.0109	-0.0048	0.010
C3	R2	D8	S1	0.0008	0.0024	0.0018	-0.005	0.001
C3	R3	D13	S1	0.0015	-0.0107	0.001	-0.0203	0.001
C3	R4	D20	S1	0.0038	0.0091	0.0081	0.0002	0.006
C3	R5	D25	S1	0.0009	-0.0088	0.0008	-0.0133	0.001
C3	R6	D31	S1	0.007	0.0078	0.0089	0.0011	0.008
C4	R1	D3	S1	0.0113	-0.0165	0.0109	-0.015	0.011
C4	R2	D7	S1	0.0072	0.0075	0.0076	0.005	0.007
C4	R3	D14	S1	0.0055	0.0073	0.0089	0.0049	0.007
C4	R4	D19	S1	0.0158	-0.008	0.0147	-0.001	0.015
C4	R5	D26	S1	0.0025	0.0088	0.0077	0.0122	0.005
C4	R6	D30	S1	0.0018	0.0078	0.0094	0.0034	0.006
C5	R1	D4	S1	-0.0058	0.0253	0.0055	0.0241	0.000
C5	R2	D6	S1	0.0066	0.0103	0.009	0.0126	0.008
C5	R3	D15	S1	0.0071	0.0042	0.0074	0.0007	0.007
C5	R4	D18	S1	0.0016	0.025	0.0003	0.0252	0.001
C5	R5	D27	S1	0.0127	0.0075	0.0127	0.0039	0.013
C5	R6	D29	S1	0.0119	0.0112	0.022	0.0031	0.017
C6	R2	D5	S1	0.018	0.0222	0.0219	0.0165	0.020
C6	R3	D16	S1	0.022	-0.0027	0.0182	0.0047	0.020
C6	R4	D17	S1	0.0077	0.0027	0.012	0.0045	0.010
C6	R5	D28	S1	0.0126	0.0236	0.0132	0.025	0.013
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.005	0.002	0.008	0.001	0.006
			3sigma	0.021	0.034	0.019	0.034	0.019
			m +3sig	0.026	0.036	0.026	0.035	0.025
C1	R2	D10	S1	-0.0004	-0.0179	0.0055	-0.0251	0.003
C1	R3	D11	S1	0.0069	-0.0267	0.0086	-0.0311	0.008
C1	R4	D22	S1	0.0053	-0.026	0.0128	-0.0361	0.009
C1	R5	D23	S1	0.0081	-0.0233	0.0105	-0.0184	0.009
C2	R1	D1	S1	0.0122	-0.0212	0.0196	-0.0264	0.016
C2	R2	D9	S1	0.012	-0.0204	0.0152	-0.0272	0.014
C2	R3	D12	S1	0.0071	-0.0122	0.01	-0.0196	0.009
C2	R4	D21	S1	0.0016	-0.0248	0.0074	-0.0241	0.005
C2	R5	D24	S1	0.0035	-0.0185	0.0068	-0.0263	0.005
C2	R6	D32	S1	-0.0002	-0.0117	0.0056	-0.0203	0.003
C3	R1	D2	S1	-0.0044	-0.0191	0.0021	-0.0177	-0.001
C3	R2	D8	S1	-0.0022	-0.0093	0.0045	-0.0086	0.001
C3	R3	D13	S1	-0.0044	-0.0312	0.0021	-0.0333	-0.001
C3	R4	D20	S1	0.0076	-0.0232	0.0102	-0.0253	0.009
C3	R5	D25	S1	0.0077	-0.0166	0.0156	-0.0245	0.012

S5M1D3B.XLS

C3	R6	D31	S1	0.006	-0.028	0.0129	-0.035	0.009
C4	R1	D3	S1	0.0043	-0.0143	0.0081	-0.0171	0.006
C4	R2	D7	S1	0.0059	-0.0026	0.0106	-0.0014	0.008
C4	R3	D14	S1	0.002	-0.0117	0.0077	-0.022	0.005
C4	R4	D19	S1	-0.0045	-0.0023	-0.0018	-0.0072	-0.003
C4	R5	D26	S1	0.0066	0.0004	0.0086	-0.0057	0.008
C4	R6	D30	S1	-0.0053	0.007	0.0022	0.0059	-0.002
C5	R1	D4	S1	-0.004	-0.0022	0.0037	-0.007	0.000
C5	R2	D6	S1	-0.0042	-0.0108	0.0015	-0.0134	-0.001
C5	R3	D15	S1	-0.0016	-0.0069	0.0074	-0.0054	0.003
C5	R4	D18	S1	-0.0012	-0.0087	0.007	-0.0142	0.003
C5	R5	D27	S1	-0.0006	-0.0145	0.0076	-0.0256	0.004
C5	R6	D29	S1	0.0001	-0.0053	0.009	-0.0099	0.005
C6	R2	D5	S1	-0.0014	-0.0002	0.0027	-0.0082	0.001
C6	R3	D16	S1	-0.0041	0.0042	0.003	0.0018	-0.001
C6	R4	D17	S1	-0.0033	-0.0125	0.003	-0.0137	0.000
C6	R5	D28	S1	-0.0035	0.0148	-0.0001	0.0096	-0.002
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.002	-0.012	0.007	-0.017	0.004
			3sigma	0.016	0.033	0.015	0.035	0.015
			m +3sig	0.017	0.045	0.022	0.052	0.019
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.003	-0.003	0.007	-0.006	0.005
			3sigma	0.015	0.035	0.015	0.038	0.014
			m +3sig	0.019	0.038	0.022	0.044	0.020
			AGA Mode1 Day3					

SYSTEM		IVS-1							
Device-CANON Level-AGA Job Plan-RESIST Lot #-S55M4D1									
Mon Aug 07 15:46:30 1995									
SLOT 6									
WAFER_ID:				XI	YI	Xr	Yr	(XI+Xr)/2	
C2	R1	D1	S1	0.016	-0.016	0.025	-0.012	0.020	
C3	R1	D2	S1	0.011	-0.009	0.028	-0.003	0.020	
C4	R1	D3	S1	0.017	-0.012	0.026	-0.007	0.021	
C5	R1	D4	S1	0.016	-0.015	0.025	0.008	0.021	
C6	R2	D5	S1	0.015	-0.010	0.029	-0.002	0.022	
C5	R2	D6	S1	0.015	-0.012	0.024	-0.008	0.019	
C4	R2	D7	S1	0.016	-0.005	0.025	-0.011	0.020	
C3	R2	D8	S1	0.009	-0.004	0.022	-0.007	0.015	
C2	R2	D9	S1	0.014	-0.011	0.026	-0.001	0.020	
C1	R2	D10	S1	0.018	-0.004	0.032	-0.003	0.025	
C1	R3	D11	S1	0.010	0.000	0.016	0.001	0.013	
C2	R3	D12	S1	0.016	-0.007	0.021	0.001	0.019	
C3	R3	D13	S1	0.006	0.007	0.021	0.009	0.013	
C4	R3	D14	S1	0.003	-0.001	0.014	0.005	0.009	
C5	R3	D15	S1	0.001	-0.010	0.016	-0.013	0.009	
C6	R3	D16	S1	0.002	-0.009	0.020	-0.003	0.011	
C6	R4	D17	S1	0.008	-0.004	0.020	0.004	0.014	
C5	R4	D18	S1	0.006	-0.021	0.015	-0.015	0.010	
C4	R4	D19	S1	0.003	-0.003	0.017	-0.002	0.010	
C3	R4	D20	S1	0.007	-0.022	0.024	-0.021	0.015	
C2	R4	D21	S1	0.004	0.000	0.015	0.006	0.009	
C1	R4	D22	S1	0.006	-0.007	0.021	-0.004	0.014	
C1	R5	D23	S1	0.004	0.015	0.020	0.024	0.012	
C2	R5	D24	S1	0.013	-0.013	0.027	-0.012	0.020	
C3	R5	D25	S1	0.004	0.006	0.018	0.008	0.011	
C4	R5	D26	S1	0.006	-0.004	0.020	-0.003	0.013	
C5	R5	D27	S1	0.010	0.007	0.024	0.005	0.017	
C6	R5	D28	S1	0.007	-0.007	0.021	-0.001	0.014	
C5	R6	D29	S1	0.008	-0.005	0.018	0.001	0.013	
C4	R6	D30	S1	0.012	0.007	0.022	0.004	0.017	
C3	R6	D31	S1	0.009	-0.004	0.018	-0.002	0.013	
C2	R6	D32	S1	0.001	-0.003	0.016	0.007	0.009	
				XI	YI	Xr	Yr	(XI+Xr)/2	
			Average	0.009	-0.005	0.021	-0.001	0.015	
SLOT 7			3sigma	0.015	0.025	0.014	0.026	0.014	
WAFER_ID:			m +3sig	0.024	0.030	0.035	0.027	0.029	
C2	R1	D1	S1	0.012	0.003	0.021	0.009	0.016	
C3	R1	D2	S1	0.011	-0.019	0.023	-0.006	0.017	
C4	R1	D3	S1	0.015	-0.004	0.022	0.005	0.019	
C5	R1	D4	S1	0.014	-0.019	0.025	0.010	0.020	
C6	R2	D5	S1	0.008	-0.011	0.023	0.002	0.015	
C5	R2	D6	S1	0.018	-0.007	0.028	-0.005	0.023	
C4	R2	D7	S1	0.012	-0.013	0.022	-0.008	0.017	
C3	R2	D8	S1	0.011	-0.009	0.017	0.003	0.014	
C2	R2	D9	S1	0.006	-0.011	0.023	0.000	0.015	
C1	R2	D10	S1	0.006	-0.011	0.021	-0.007	0.014	
C1	R3	D11	S1	0.010	-0.003	0.022	0.006	0.016	
C2	R3	D12	S1	0.009	0.003	0.021	0.013	0.015	
C3	R3	D13	S1	0.010	-0.001	0.021	0.003	0.015	

DAY1M4.XLS

C4	R3	D14	S1	0.010	-0.011	0.022	-0.002	0.016
C5	R3	D15	S1	0.014	-0.010	0.022	-0.006	0.018
C6	R3	D16	S1	0.015	-0.003	0.026	0.004	0.020
C6	R4	D17	S1	0.019	0.029	0.031	0.031	0.025
C5	R4	D18	S1	0.015	-0.006	0.028	0.008	0.021
C4	R4	D19	S1	0.013	-0.003	0.023	0.006	0.018
C3	R4	D20	S1	0.008	-0.001	0.021	0.005	0.015
C2	R4	D21	S1	0.008	0.012	0.022	0.021	0.015
C1	R4	D22	S1	0.006	-0.007	0.023	0.005	0.015
C1	R5	D23	S1	0.006	0.001	0.017	0.012	0.011
C2	R5	D24	S1	0.012	-0.003	0.021	0.001	0.017
C3	R5	D25	S1	0.018	-0.010	0.029	-0.012	0.024
C4	R5	D26	S1	0.010	0.006	0.019	0.021	0.014
C5	R5	D27	S1	0.013	0.015	0.027	0.023	0.020
C6	R5	D28	S1	0.017	0.000	0.035	0.001	0.026
C5	R6	D29	S1	0.016	0.012	0.030	0.008	0.023
C4	R6	D30	S1	0.017	0.007	0.028	0.014	0.023
C3	R6	D31	S1	0.014	0.010	0.024	0.015	0.019
C2	R6	D32	S1	0.007	0.002	0.025	0.014	0.016
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.012	-0.002	0.024	0.006	0.018
SLOT 8			3sigma	0.012	0.031	0.012	0.029	0.011
WAFER_ID:			m +3sig	0.024	0.033	0.036	0.036	0.029
C2	R1	D1	S1	-0.001	-0.008	0.033	-0.001	0.016
C3	R1	D2	S1	-0.010	-0.013	0.025	-0.002	0.008
C4	R1	D3	S1	-0.005	-0.018	0.030	-0.010	0.013
C5	R1	D4	S1	-0.005	-0.004	0.027	0.002	0.011
C6	R2	D5	S1	-0.008	-0.025	0.031	-0.014	0.012
C5	R2	D6	S1	-0.007	-0.009	0.030	-0.008	0.011
C4	R2	D7	S1	-0.008	-0.009	0.028	-0.002	0.010
C3	R2	D8	S1	-0.006	-0.011	0.025	0.001	0.009
C2	R2	D9	S1	0.003	-0.011	0.038	-0.005	0.021
C1	R2	D10	S1	-0.006	-0.003	0.030	0.002	0.012
C1	R3	D11	S1	-0.008	-0.002	0.024	-0.001	0.008
C2	R3	D12	S1	-0.005	-0.008	0.027	-0.007	0.011
C3	R3	D13	S1	-0.003	-0.002	0.034	0.004	0.016
C4	R3	D14	S1	-0.004	-0.004	0.032	0.005	0.014
C5	R3	D15	S1	-0.007	-0.010	0.028	-0.011	0.011
C6	R3	D16	S1	-0.006	-0.014	0.029	-0.016	0.012
C6	R4	D17	S1	-0.001	-0.001	0.036	0.003	0.018
C5	R4	D18	S1	0.002	-0.003	0.035	-0.004	0.018
C4	R4	D19	S1	0.003	-0.016	0.034	-0.013	0.019
C3	R4	D20	S1	-0.003	-0.027	0.026	-0.019	0.012
C2	R4	D21	S1	-0.003	-0.007	0.031	0.002	0.014
C1	R4	D22	S1	-0.006	-0.012	0.032	-0.008	0.013
C1	R5	D23	S1	-0.017	0.006	0.022	0.013	0.002
C2	R5	D24	S1	-0.003	-0.006	0.034	-0.003	0.016
C3	R5	D25	S1	-0.010	-0.003	0.029	0.003	0.010
C4	R5	D26	S1	-0.001	0.002	0.033	0.001	0.016
C5	R5	D27	S1	0.003	0.006	0.040	0.010	0.022
C6	R5	D28	S1	-0.001	-0.006	0.039	-0.005	0.019
C5	R6	D29	S1	0.000	-0.015	0.040	-0.009	0.020
C4	R6	D30	S1	-0.002	-0.002	0.030	0.010	0.014
C3	R6	D31	S1	0.001	-0.006	0.033	0.000	0.017
C2	R6	D32	S1	-0.009	-0.012	0.028	-0.004	0.009

				Xi	Yi	Xr	Yr	(Xi+Xr)/2
			Average	-0.004	-0.008	0.031	-0.003	0.013
SLOT 9			3sigma	0.014	0.023	0.014	0.023	0.013
WAFER_ID:			m +3sig	0.018	0.031	0.045	0.026	0.026
C2	R1	D1	S1	-0.005	0.000	0.027	-0.006	0.011
C3	R1	D2	S1	-0.006	-0.005	0.027	0.011	0.010
C4	R1	D3	S1	-0.007	-0.004	0.030	0.002	0.011
C5	R1	D4	S1	-0.011	-0.011	0.023	0.008	0.006
C6	R2	D5	S1	0.001	0.002	0.033	0.008	0.017
C5	R2	D6	S1	-0.004	0.000	0.030	0.006	0.013
C4	R2	D7	S1	-0.008	0.002	0.021	0.012	0.007
C3	R2	D8	S1	-0.008	-0.006	0.028	-0.003	0.010
C2	R2	D9	S1	-0.005	-0.004	0.026	0.007	0.010
C1	R2	D10	S1	-0.005	0.000	0.027	0.005	0.011
C1	R3	D11	S1	-0.003	-0.004	0.023	0.006	0.010
C2	R3	D12	S1	-0.003	0.004	0.027	0.011	0.012
C3	R3	D13	S1	-0.005	-0.006	0.028	-0.003	0.012
C4	R3	D14	S1	0.003	0.011	0.035	0.016	0.019
C5	R3	D15	S1	-0.003	-0.005	0.032	0.008	0.014
C6	R3	D16	S1	0.001	0.004	0.036	0.005	0.019
C6	R4	D17	S1	-0.001	0.009	0.030	0.009	0.014
C5	R4	D18	S1	-0.001	-0.010	0.030	0.004	0.015
C4	R4	D19	S1	0.001	-0.009	0.036	0.005	0.018
C3	R4	D20	S1	-0.001	0.016	0.036	0.023	0.018
C2	R4	D21	S1	-0.001	-0.010	0.028	0.001	0.013
C1	R4	D22	S1	-0.004	-0.005	0.029	-0.003	0.012
C1	R5	D23	S1	-0.010	0.007	0.027	0.018	0.008
C2	R5	D24	S1	-0.007	0.007	0.030	0.017	0.012
C3	R5	D25	S1	-0.001	-0.002	0.033	0.001	0.016
C4	R5	D26	S1	0.004	-0.007	0.034	0.008	0.019
C5	R5	D27	S1	0.002	0.000	0.034	0.009	0.018
C6	R5	D28	S1	-0.001	-0.020	0.037	-0.013	0.018
C5	R6	D29	S1	0.004	0.001	0.040	0.004	0.022
C4	R6	D30	S1	0.001	-0.008	0.037	0.002	0.019
C3	R6	D31	S1	-0.006	-0.009	0.033	0.000	0.013
C2	R6	D32	S1	-0.008	-0.012	0.029	0.000	0.010
				Xi	Yi	Xr	Yr	(Xi+Xr)/2
			Average	-0.003	-0.002	0.030	0.005	0.014
SLOT 10			3sigma	0.012	0.022	0.014	0.022	0.012
WAFER_ID:			m +3sig	0.015	0.025	0.044	0.027	0.026
C2	R1	D1	S1	0.008	-0.008	0.038	-0.001	0.023
C3	R1	D2	S1	0.008	-0.016	0.041	-0.012	0.024
C4	R1	D3	S1	0.011	-0.018	0.044	-0.014	0.028
C5	R1	D4	S1	0.008	-0.014	0.039	0.010	0.023
C6	R2	D5	S1	0.007	-0.006	0.038	0.006	0.022
C5	R2	D6	S1	0.006	-0.018	0.038	-0.008	0.022
C4	R2	D7	S1	0.007	-0.001	0.036	0.002	0.022
C3	R2	D8	S1	0.009	-0.008	0.040	-0.002	0.024
C2	R2	D9	S1	0.006	-0.005	0.037	0.003	0.021
C1	R2	D10	S1	0.010	-0.010	0.048	-0.004	0.029
C1	R3	D11	S1	0.000	-0.008	0.036	-0.001	0.018
C2	R3	D12	S1	0.001	-0.007	0.036	-0.005	0.018
C3	R3	D13	S1	-0.005	0.001	0.030	0.004	0.012
C4	R3	D14	S1	-0.003	-0.007	0.029	-0.006	0.013
C5	R3	D15	S1	-0.002	-0.003	0.031	0.003	0.014

DAY1M4.XLS

C6	R3	D16	S1	-0.001	-0.007	0.035	-0.003	0.017
C6	R4	D17	S1	0.003	0.007	0.032	0.013	0.018
C5	R4	D18	S1	0.002	-0.002	0.034	-0.002	0.018
C4	R4	D19	S1	0.002	-0.008	0.029	-0.003	0.016
C3	R4	D20	S1	0.003	-0.005	0.036	-0.001	0.019
C2	R4	D21	S1	0.002	-0.003	0.036	-0.003	0.019
C1	R4	D22	S1	-0.002	-0.001	0.032	0.006	0.015
C1	R5	D23	S1	-0.013	-0.006	0.023	0.004	0.005
C2	R5	D24	S1	-0.007	0.011	0.025	0.011	0.009
C3	R5	D25	S1	-0.004	-0.015	0.025	-0.010	0.011
C4	R5	D26	S1	-0.004	-0.012	0.022	-0.001	0.009
C5	R5	D27	S1	-0.010	0.002	0.028	0.013	0.009
C6	R5	D28	S1	0.003	0.011	0.034	0.015	0.018
C5	R6	D29	S1	-0.007	0.005	0.031	0.017	0.012
C4	R6	D30	S1	-0.002	0.006	0.026	0.014	0.012
C3	R6	D31	S1	-0.006	-0.007	0.020	-0.001	0.007
C2	R6	D32	S1	-0.014	-0.010	0.021	-0.001	0.004
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.001	-0.005	0.033	0.001	0.017
			3sigma	0.020	0.023	0.020	0.023	0.019
			m +3sig	0.020	0.028	0.053	0.025	0.036
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.003	-0.005	0.028	0.002	0.015
			3sigma	0.024	0.025	0.020	0.027	0.015
			m +3sig	0.027	0.030	0.048	0.029	0.030
			AGA Mode 1 Day1					

SYSTEM		IVS-1							
Device-CANON Level-AGA Job Plan-RESIST Lot #-S5M4D2									
Tue Aug 08 11:37:14 1995									
SLOT 1									
WAFER_ID:									
C2	R1	D1	S1	0.0111	0.0051	0.0189	0.0034	0.015	
C3	R1	D2	S1	0.0107	-0.0128	0.0251	-0.0107	0.018	
C4	R1	D3	S1	0.016	-0.0034	0.0239	-0.0039	0.020	
C5	R1	D4	S1	0.0084	-0.0174	0.0188	0.0097	0.014	
C6	R2	D5	S1	0.0133	-0.0036	0.0275	0.0008	0.020	
C5	R2	D6	S1	0.0118	-0.0091	0.0238	-0.003	0.018	
C4	R2	D7	S1	0.0148	-0.0127	0.0288	-0.0094	0.022	
C3	R2	D8	S1	0.0162	-0.0006	0.026	0.0028	0.021	
C2	R2	D9	S1	0.0104	-0.0065	0.026	0.0007	0.018	
C1	R2	D10	S1	0.011	0.0098	0.0253	0.0052	0.018	
C1	R3	D11	S1	0.0194	0.0119	0.0256	0.016	0.023	
C2	R3	D12	S1	0.0127	0.0026	0.0253	0.0018	0.019	
C3	R3	D13	S1	0.0149	0.0091	0.0267	0.0083	0.021	
C4	R3	D14	S1	0.0126	-0.0036	0.0237	-0.0067	0.018	
C5	R3	D15	S1	0.0122	-0.0019	0.0204	-0.0025	0.016	
C6	R3	D16	S1	0.0064	-0.0021	0.0227	0.0011	0.015	
C6	R4	D17	S1	0.0091	0.001	0.0217	0.0017	0.015	
C5	R4	D18	S1	0.0113	0.0016	0.0211	0.0048	0.016	
C4	R4	D19	S1	0.0162	0.0066	0.0251	0.0028	0.021	
C3	R4	D20	S1	0.0177	0.0113	0.0312	0.0122	0.024	
C2	R4	D21	S1	0.0111	0.0088	0.0264	0.0119	0.019	
C1	R4	D22	S1	0.0131	0.0189	0.0309	0.0186	0.022	
C1	R5	D23	S1	0.0119	0.0233	0.0257	0.0292	0.019	
C2	R5	D24	S1	0.019	0.0274	0.0288	0.026	0.024	
C3	R5	D25	S1	0.0091	0.0048	0.0197	0.0076	0.014	
C4	R5	D26	S1	0.0119	0.0018	0.0228	0.0044	0.017	
C5	R5	D27	S1	0.0164	0.0174	0.0255	0.0151	0.021	
C6	R5	D28	S1	0.0099	-0.0055	0.0251	-0.003	0.018	
C5	R6	D29	S1	0.0167	-0.0062	0.0272	-0.0043	0.022	
C4	R6	D30	S1	0.0148	-0.0025	0.0219	0.0024	0.018	
C3	R6	D31	S1	0.0129	0.0171	0.0226	0.0176	0.018	
C2	R6	D32	S1	0.0139	0.015	0.0267	0.02	0.020	
				XI	YI	Xr	Yr	(XI+Xr)/2	
			Average	0.013	0.003	0.025	0.006	0.019	
			3sigma	0.009	0.032	0.009	0.029	0.008	
			m +3sig	0.022	0.036	0.034	0.035	0.027	
C2	R1	D1	S1	0.0088	-0.0087	0.0173	-0.0037	0.013	
C3	R1	D2	S1	0.0054	-0.0151	0.0185	-0.0059	0.012	
C4	R1	D3	S1	0.0076	-0.0106	0.0187	-0.0021	0.013	
C5	R1	D4	S1	0.0086	-0.035	0.0181	0.0036	0.013	
C6	R2	D5	S1	0.0126	-0.0145	0.0238	-0.004	0.018	
C5	R2	D6	S1	0.0083	-0.0219	0.0199	-0.0092	0.014	
C4	R2	D7	S1	0.0099	-0.0138	0.0234	0.0029	0.017	
C3	R2	D8	S1	0.0043	-0.0033	0.0188	0.0134	0.012	
C2	R2	D9	S1	0.0053	0.0023	0.0159	0.013	0.011	
C1	R2	D10	S1	0.0057	0.0061	0.0187	0.0138	0.012	
C1	R3	D11	S1	0.0067	-0.006	0.0133	0.0103	0.010	
C2	R3	D12	S1	0.0112	-0.0011	0.0219	0.014	0.017	
C3	R3	D13	S1	0.005	-0.0012	0.0168	0.0108	0.011	

DAY2M4.XLS

C4	R3	D14	S1	0.0107	-0.0032	0.0257	0.0095	0.018
C5	R3	D15	S1	0.0117	-0.004	0.0253	0.0013	0.019
C6	R3	D16	S1	0.012	-0.0086	0.0261	0.0083	0.019
C6	R4	D17	S1	0.0067	-0.0213	0.0191	-0.0052	0.013
C5	R4	D18	S1	0.0102	-0.0245	0.0258	-0.0108	0.018
C4	R4	D19	S1	0.008	0.0076	0.0223	0.0213	0.015
C3	R4	D20	S1	0.0042	0.0021	0.0122	0.0144	0.008
C2	R4	D21	S1	0.0129	0.0109	0.0163	0.0195	0.015
C1	R4	D22	S1	0.005	0.0008	0.0201	0.0113	0.013
C1	R5	D23	S1	0.0022	0.0217	0.0194	0.0372	0.011
C2	R5	D24	S1	0.0083	-0.0116	0.017	0.0037	0.013
C3	R5	D25	S1	0.0166	-0.0038	0.0228	0.0046	0.020
C4	R5	D26	S1	0.0128	0.0106	0.0154	0.0192	0.014
C5	R5	D27	S1	0.01	-0.0067	0.0213	0.0051	0.016
C6	R5	D28	S1	0.0132	-0.0164	0.0221	-0.009	0.018
C5	R6	D29	S1	0.0121	-0.002	0.0224	0.0075	0.017
C4	R6	D30	S1	0.0178	0.0033	0.0244	0.0185	0.021
C3	R6	D31	S1	0.0136	0.0138	0.0221	0.0347	0.018
C2	R6	D32	S1	0.0075	0.0058	0.0167	0.02	0.012
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.009	-0.005	0.020	0.008	0.015
			3sigma	0.011	0.036	0.011	0.035	0.010
			m +3sig	0.020	0.041	0.031	0.044	0.024
C2	R1	D1	S1	0.0141	0.0038	0.0233	0.0102	0.019
C3	R1	D2	S1	0.008	-0.0089	0.0246	0.009	0.016
C4	R1	D3	S1	0.0114	-0.0045	0.0234	0.0055	0.017
C5	R1	D4	S1	0.0024	-0.0118	0.012	0.0186	0.007
C6	R2	D5	S1	0.0101	0.0001	0.0213	0.0126	0.016
C5	R2	D6	S1	0.007	-0.0046	0.02	0.0094	0.014
C4	R2	D7	S1	0.007	-0.0093	0.0162	-0.0047	0.012
C3	R2	D8	S1	0.0077	-0.0096	0.0218	-0.001	0.015
C2	R2	D9	S1	0.0075	-0.0086	0.0195	0.0064	0.014
C1	R2	D10	S1	0.0074	-0.0017	0.0226	0.0065	0.015
C1	R3	D11	S1	0.0078	-0.0046	0.0216	0.0042	0.015
C2	R3	D12	S1	0.0064	0.004	0.0154	0.0124	0.011
C3	R3	D13	S1	0.0132	0.0048	0.0231	0.014	0.018
C4	R3	D14	S1	0.0115	0.0041	0.024	0.0168	0.018
C5	R3	D15	S1	0.0144	-0.0034	0.0233	0.0066	0.019
C6	R3	D16	S1	0.0087	-0.0104	0.0209	0.0028	0.015
C6	R4	D17	S1	0.0094	-0.0094	0.0201	0.0007	0.015
C5	R4	D18	S1	0.0129	0.0065	0.0224	0.0171	0.018
C4	R4	D19	S1	0.0089	0.0118	0.0211	0.0242	0.015
C3	R4	D20	S1	0.0093	-0.0021	0.0212	0.0167	0.015
C2	R4	D21	S1	0.0113	-0.0002	0.0225	0.0124	0.017
C1	R4	D22	S1	0.0141	0.0097	0.03	0.0265	0.022
C1	R5	D23	S1	0.0068	0.0115	0.0196	0.0208	0.013
C2	R5	D24	S1	0.0135	0.001	0.0232	0.0134	0.018
C3	R5	D25	S1	0.0057	-0.0019	0.0186	0.0032	0.012
C4	R5	D26	S1	0.007	0.0085	0.012	0.0203	0.010
C5	R5	D27	S1	0.0094	-0.0022	0.0186	0.0115	0.014
C6	R5	D28	S1	0.013	-0.0059	0.0223	0.0004	0.018
C5	R6	D29	S1	0.0081	-0.0046	0.0179	0.0094	0.013
C4	R6	D30	S1	0.0061	-0.0157	0.0124	-0.004	0.009
C3	R6	D31	S1	0.0183	0.0063	0.0276	0.0185	0.023
C2	R6	D32	S1	0.0111	0.0001	0.0206	0.0085	0.016

DAY2M4.XLS

				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.010	-0.001	0.021	0.010	0.015
			3sigma	0.010	0.021	0.012	0.024	0.010
			m +3sig	0.020	0.023	0.033	0.034	0.026
C1	R2	D10	S1	0.0078	-0.0133	0.0182	-0.0049	0.013
C1	R3	D11	S1	0.0175	-0.0068	0.0276	0.0051	0.023
C1	R4	D22	S1	0.0196	-0.0196	0.0292	-0.0075	0.024
C1	R5	D23	S1	0.017	-0.033	0.0294	0.0024	0.023
C2	R1	D1	S1	0.0157	-0.0143	0.0301	0.0027	0.023
C2	R2	D9	S1	0.0186	-0.0177	0.0284	-0.0009	0.024
C2	R3	D12	S1	0.0138	-0.0116	0.022	-0.0078	0.018
C2	R4	D21	S1	0.0177	-0.0062	0.0249	0.0042	0.021
C2	R5	D24	S1	0.0121	-0.0117	0.0201	-0.0052	0.016
C2	R6	D32	S1	0.0073	-0.0022	0.0229	0.0033	0.015
C3	R1	D2	S1	0.0076	0.0013	0.0229	0.0124	0.015
C3	R2	D8	S1	0.0178	0.0002	0.033	0.012	0.025
C3	R3	D13	S1	0.0117	0.0041	0.0191	0.0113	0.015
C3	R4	D20	S1	0.0066	-0.0094	0.021	-0.0049	0.014
C3	R5	D25	S1	0.0112	-0.0034	0.025	0.0079	0.018
C3	R6	D31	S1	0.0177	-0.0146	0.026	-0.0083	0.022
C4	R1	D3	S1	0.0117	-0.0155	0.0258	-0.0063	0.019
C4	R2	D7	S1	0.0171	-0.0149	0.0265	0.0001	0.022
C4	R3	D14	S1	0.011	-0.004	0.0194	0.0065	0.015
C4	R4	D19	S1	0.0078	0.004	0.0181	0.0162	0.013
C4	R5	D26	S1	0.0069	-0.0053	0.0218	0.0095	0.014
C4	R6	D30	S1	0.0107	0.0152	0.0211	0.0232	0.016
C5	R1	D4	S1	0.0031	-0.0042	0.0135	0.0034	0.008
C5	R2	D6	S1	0.0125	-0.0083	0.023	-0.0021	0.018
C5	R3	D15	S1	0.0106	0.0043	0.0237	0.0137	0.017
C5	R4	D18	S1	0.0031	-0.0097	0.0165	0.0023	0.010
C5	R5	D27	S1	0.0082	0.0062	0.0243	0.0212	0.016
C5	R6	D29	S1	0.0113	-0.0142	0.0241	-0.0089	0.018
C6	R2	D5	S1	0.0109	-0.0075	0.022	0.0018	0.016
C6	R3	D16	S1	0.0086	-0.002	0.0172	0.0058	0.013
C6	R4	D17	S1	0.0092	0.0019	0.0222	0.012	0.016
C6	R5	D28	S1	0.011	0.0042	0.023	0.0108	0.017
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.012	-0.007	0.023	0.004	0.017
			3sigma	0.013	0.028	0.013	0.026	0.013
			m +3sig	0.025	0.035	0.036	0.030	0.030
C1	R2	D10	S1	0.0052	0.0013	0.0134	0.0055	0.009
C1	R3	D11	S1	0.0069	-0.0142	0.0181	-0.0081	0.013
C1	R4	D22	S1	0.0024	-0.0135	0.0139	0.0026	0.008
C1	R5	D23	S1	0.0088	-0.0276	0.0227	0.0115	0.016
C2	R1	D1	S1	0.0112	-0.0243	0.0281	-0.0196	0.020
C2	R2	D9	S1	0.0133	-0.0122	0.0241	-0.0069	0.019
C2	R3	D12	S1	0.0128	-0.0149	0.0236	-0.0099	0.018
C2	R4	D21	S1	0.0087	-0.0045	0.0225	-0.002	0.016
C2	R5	D24	S1	0.0085	-0.0064	0.0191	0.0032	0.014
C2	R6	D32	S1	0.0044	0.0058	0.0215	0.0099	0.013
C3	R1	D2	S1	0.0035	0.0118	0.0165	0.0187	0.010
C3	R2	D8	S1	0.0064	-0.0033	0.015	0.0063	0.011
C3	R3	D13	S1	0.0121	0.0077	0.0214	0.0148	0.017
C3	R4	D20	S1	0.0103	-0.0017	0.0193	0.0038	0.015
C3	R5	D25	S1	0.0134	-0.0088	0.0198	-0.0049	0.017

DAY2M4.XLS

C3	R6	D31	S1	0.0159	-0.0157	0.0269	-0.0031	0.021
C4	R1	D3	S1	0.0098	-0.0157	0.022	-0.012	0.016
C4	R2	D7	S1	0.0099	-0.0317	0.0198	-0.0239	0.015
C4	R3	D14	S1	0.0092	0.0047	0.0269	0.0152	0.018
C4	R4	D19	S1	0.0098	0.0081	0.0219	0.0182	0.016
C4	R5	D26	S1	0.0105	0.011	0.0204	0.0148	0.015
C4	R6	D30	S1	0.0124	-0.0047	0.0261	0.0019	0.019
C5	R1	D4	S1	0.0083	0.0137	0.0213	0.0189	0.015
C5	R2	D6	S1	0.0042	-0.0079	0.0163	0.0007	0.010
C5	R3	D15	S1	0.0072	0.0027	0.0182	0.0148	0.013
C5	R4	D18	S1	0.0126	-0.0014	0.0203	0.0104	0.016
C5	R5	D27	S1	0.0075	-0.0058	0.0197	-0.0046	0.014
C5	R6	D29	S1	0.0092	-0.0136	0.0244	-0.0112	0.017
C6	R2	D5	S1	0.0116	-0.0024	0.0237	0.0044	0.018
C6	R3	D16	S1	0.0166	-0.0057	0.0247	-0.001	0.021
C6	R4	D17	S1	0.0038	0.0043	0.0159	0.0119	0.010
C6	R5	D28	S1	0.0121	0.0032	0.0247	0.0175	0.018
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.009	-0.005	0.021	0.003	0.015
			3sigma	0.011	0.034	0.012	0.034	0.010
			m +3sig	0.020	0.039	0.033	0.037	0.026
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.011	-0.003	0.022	0.006	0.016
			3sigma	0.012	0.032	0.012	0.031	0.011
			m +3sig	0.022	0.035	0.034	0.037	0.028
			AGA Alignment Mode4 Day2					

SYSTEM		IVS-1						
Device-CANON Level-AGA Job Plan-RESIST Lot #-S5M4D3								
Wed Aug 09 11:02:01 1995								
SLOT 1								
WAFER_ID:				XI	YI	Xr	Yr	(XI+Xr)/2
C2	R1	D1	S1	0.0128	-0.0068	0.0193	-0.0028	0.016
C3	R1	D2	S1	0.0079	-0.0073	0.0167	-0.0039	0.012
C4	R1	D3	S1	0.0084	-0.0158	0.0175	-0.0102	0.013
C5	R1	D4	S1	0.011	-0.0273	0.0189	-0.0029	0.015
C6	R2	D5	S1	0.018	-0.0111	0.0277	-0.0014	0.023
C5	R2	D6	S1	0.0141	0.0038	0.0245	0.0116	0.019
C4	R2	D7	S1	0.0007	-0.0128	0.0128	-0.0055	0.007
C3	R2	D8	S1	0.0094	-0.0097	0.0149	-0.0036	0.012
C2	R2	D9	S1	0.0055	-0.0161	0.0134	-0.0016	0.009
C1	R2	D10	S1	0.0065	0.001	0.0162	0.008	0.011
C1	R3	D11	S1	0.0046	0.0139	0.0172	0.0215	0.011
C2	R3	D12	S1	0.0045	0.0007	0.0181	0.0096	0.011
C3	R3	D13	S1	0.0041	-0.0031	0.0178	0.0074	0.011
C4	R3	D14	S1	0.0167	-0.0029	0.0268	0.0135	0.022
C5	R3	D15	S1	0.0082	-0.0097	0.0207	0.0076	0.014
C6	R3	D16	S1	0.0121	-0.0079	0.0259	0.0063	0.019
C6	R4	D17	S1	0.0045	-0.0144	0.0197	0.0008	0.012
C5	R4	D18	S1	0.0133	0.0066	0.0216	0.0185	0.017
C4	R4	D19	S1	0.0154	-0.003	0.0181	0.0042	0.017
C3	R4	D20	S1	0.0119	-0.0018	0.02	0.0024	0.016
C2	R4	D21	S1	0.0026	0.0115	0.0123	0.0142	0.007
C1	R4	D22	S1	0.0014	0.0154	0.0131	0.0209	0.007
C1	R5	D23	S1	-0.0006	0.0038	0.0068	0.0126	0.003
C2	R5	D24	S1	0.011	0.0137	0.021	0.0247	0.016
C3	R5	D25	S1	0.0119	0.0082	0.0235	0.0181	0.018
C4	R5	D26	S1	0.0086	0.0184	0.018	0.027	0.013
C5	R5	D27	S1	0.0102	0.0064	0.0234	0.014	0.017
C6	R5	D28	S1	0.0059	0.0119	0.0199	0.0132	0.013
C5	R6	D29	S1	0.0125	0.0065	0.0218	0.0092	0.017
C4	R6	D30	S1	0.0049	-0.0004	0.0144	0.0066	0.010
C3	R6	D31	S1	0.0066	0.0116	0.0172	0.022	0.012
C2	R6	D32	S1	0.0108	0.0158	0.0191	0.0242	0.015
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.009	0.000	0.019	0.009	0.014
			3sigma	0.014	0.034	0.014	0.030	0.013
			m +3sig	0.023	0.034	0.032	0.039	0.027
C2	R1	D1	S1	0.0139	-0.0101	0.0227	-0.0091	0.018
C3	R1	D2	S1	0.0094	-0.0071	0.0254	0.0003	0.017
C4	R1	D3	S1	0.0088	-0.0119	0.0269	-0.0049	0.018
C5	R1	D4	S1	0.0031	-0.0291	0.0201	-0.0045	0.012
C6	R2	D5	S1	0.0083	-0.0186	0.0237	-0.0147	0.016
C5	R2	D6	S1	0.0071	0.0022	0.0228	0.0082	0.015
C4	R2	D7	S1	0.0085	-0.0125	0.0221	-0.0047	0.015
C3	R2	D8	S1	0.0116	-0.0057	0.0316	0.0059	0.022
C2	R2	D9	S1	0.0088	-0.0075	0.0269	-0.0087	0.018
C1	R2	D10	S1	0.0126	0.0083	0.0289	0.0127	0.021
C1	R3	D11	S1	0.0126	-0.0072	0.0277	-0.0006	0.020
C2	R3	D12	S1	0.0129	-0.0014	0.0235	-0.004	0.018
C3	R3	D13	S1	0.0155	-0.0081	0.0255	-0.0068	0.021

C4	R3	D14	S1	0.0061	-0.0053	0.0178	-0.0036	0.012
C5	R3	D15	S1	0.0045	-0.0027	0.0207	0.0025	0.013
C6	R3	D16	S1	0.0093	-0.0041	0.0254	0.0064	0.017
C6	R4	D17	S1	0.0071	-0.0127	0.0283	-0.0096	0.018
C5	R4	D18	S1	0.006	-0.0064	0.0254	-0.0045	0.016
C4	R4	D19	S1	0.0186	0.0123	0.0338	0.0168	0.026
C3	R4	D20	S1	0.0068	0.0019	0.0236	0.0156	0.015
C2	R4	D21	S1	0.0138	-0.0037	0.0255	0.0068	0.020
C1	R4	D22	S1	0.0127	0.0094	0.0281	0.0109	0.020
C1	R5	D23	S1	0.0076	0.0038	0.0246	0.011	0.016
C2	R5	D24	S1	0.0127	0.0141	0.0242	0.0196	0.018
C3	R5	D25	S1	0.0169	0.0013	0.029	0.007	0.023
C4	R5	D26	S1	0.0116	-0.0086	0.0275	-0.0046	0.020
C5	R5	D27	S1	0.0062	-0.0056	0.029	0.0044	0.018
C6	R5	D28	S1	0.0075	0.0084	0.0254	0.0167	0.016
C5	R6	D29	S1	0.0109	0.0025	0.0292	0.003	0.020
C4	R6	D30	S1	0.013	0.0086	0.0255	0.015	0.019
C3	R6	D31	S1	0.018	0.0094	0.0331	0.0093	0.026
C2	R6	D32	S1	0.0177	-0.0041	0.0312	0.0032	0.024
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.011	-0.003	0.026	0.003	0.018
			3sigma	0.012	0.028	0.011	0.027	0.011
			m +3sig	0.023	0.031	0.037	0.030	0.029
C2	R1	D1	S1	0.0109	0.02	0.0329	0.0133	0.022
C3	R1	D2	S1	0.005	0.0104	0.031	0.0164	0.018
C4	R1	D3	S1	0.0097	-0.0056	0.0289	-0.0031	0.019
C5	R1	D4	S1	0.0036	-0.0173	0.0223	0.0052	0.013
C6	R2	D5	S1	0.0115	0.0026	0.0304	0.008	0.021
C5	R2	D6	S1	0.0084	0.0068	0.0278	0.009	0.018
C4	R2	D7	S1	0.0034	0.0148	0.0265	0.0202	0.015
C3	R2	D8	S1	0.0104	0.0087	0.0267	0.0059	0.019
C2	R2	D9	S1	0.0064	-0.0046	0.0257	-0.0042	0.016
C1	R2	D10	S1	0.0095	0.0087	0.0287	-0.0004	0.019
C1	R3	D11	S1	0.0017	0.0166	0.0183	0.0212	0.010
C2	R3	D12	S1	0.0087	0.0077	0.0294	0.0105	0.019
C3	R3	D13	S1	0.0076	0.0055	0.0255	0.0053	0.017
C4	R3	D14	S1	0.0036	0.0055	0.0248	0.0098	0.014
C5	R3	D15	S1	0.0063	-0.0009	0.0257	0.0022	0.016
C6	R3	D16	S1	0.0034	0.0099	0.0267	0.0157	0.015
C6	R4	D17	S1	0.0051	-0.0173	0.0256	-0.0151	0.015
C5	R4	D18	S1	0.0066	0.0029	0.0256	0.0048	0.016
C4	R4	D19	S1	0.0154	0.0186	0.0325	0.0175	0.024
C3	R4	D20	S1	0.0088	0.0007	0.025	-0.0011	0.017
C2	R4	D21	S1	0.0064	0.0039	0.0256	-0.0008	0.016
C1	R4	D22	S1	0.0083	0.0273	0.0291	0.0301	0.019
C1	R5	D23	S1	-0.0012	0.0027	0.0245	0.0166	0.013
C2	R5	D24	S1	-0.0038	0.0066	0.0201	0.0102	0.008
C3	R5	D25	S1	0.0054	0.0149	0.0224	0.0254	0.014
C4	R5	D26	S1	0.0053	-0.0108	0.0213	-0.0114	0.013
C5	R5	D27	S1	0.0021	0.009	0.0204	0.0119	0.011
C6	R5	D28	S1	0.0011	0.0036	0.0262	0.0004	0.014
C5	R6	D29	S1	0.0098	0.019	0.029	0.0207	0.019
C4	R6	D30	S1	0.0098	-0.0007	0.03	-0.0006	0.020
C3	R6	D31	S1	0.0057	-0.0036	0.0238	-0.0048	0.015
C2	R6	D32	S1	-0.0057	-0.0053	0.0161	0.0066	0.005

				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.006	0.005	0.026	0.008	0.016
			3sigma	0.013	0.030	0.012	0.031	0.012
			m +3sig	0.019	0.036	0.038	0.039	0.028
C1	R2	D10	S1	0.0037	-0.0086	0.0331	0.0046	0.018
C1	R3	D11	S1	-0.0024	-0.0162	0.0214	0	0.010
C1	R4	D22	S1	-0.0037	-0.0201	0.0227	0.0005	0.010
C1	R5	D23	S1	-0.0038	-0.0241	0.0234	0.0095	0.010
C2	R1	D1	S1	0.0036	-0.0003	0.0289	0.0115	0.016
C2	R2	D9	S1	-0.0009	-0.0027	0.0239	0.0145	0.012
C2	R3	D12	S1	-0.0046	-0.0112	0.0209	0.0008	0.008
C2	R4	D21	S1	-0.0051	-0.0111	0.0204	0.0032	0.008
C2	R5	D24	S1	-0.0051	-0.0132	0.0261	0.0083	0.011
C2	R6	D32	S1	0.0043	-0.0048	0.0315	0.0056	0.018
C3	R1	D2	S1	-0.0001	-0.0058	0.027	0.0044	0.013
C3	R2	D8	S1	0.0043	-0.0076	0.0289	0.0077	0.017
C3	R3	D13	S1	-0.009	-0.0083	0.0166	0.0085	0.004
C3	R4	D20	S1	-0.0032	-0.0107	0.0177	0.0015	0.007
C3	R5	D25	S1	-0.0006	-0.0066	0.0267	0.0081	0.013
C3	R6	D31	S1	-0.0026	-0.002	0.0246	0.0114	0.011
C4	R1	D3	S1	-0.0071	-0.0176	0.0182	0.0035	0.006
C4	R2	D7	S1	-0.0066	0.0011	0.0194	0.0099	0.006
C4	R3	D14	S1	-0.0032	-0.005	0.0199	0.0022	0.008
C4	R4	D19	S1	-0.0012	-0.0072	0.0226	0.0011	0.011
C4	R5	D26	S1	-0.0016	-0.0083	0.0219	-0.0034	0.010
C4	R6	D30	S1	0.0058	0.0044	0.0291	0.0148	0.017
C5	R1	D4	S1	-0.0041	0.0053	0.0219	0.0161	0.009
C5	R2	D6	S1	-0.0047	0.0084	0.0184	0.0183	0.007
C5	R3	D15	S1	0.006	0.0109	0.0246	0.025	0.015
C5	R4	D18	S1	-0.0038	-0.0019	0.0177	0.0133	0.007
C5	R5	D27	S1	-0.0062	0.0037	0.0196	0.0177	0.007
C5	R6	D29	S1	-0.0065	-0.0011	0.0219	0.0154	0.008
C6	R2	D5	S1	-0.0058	0.0209	0.0193	0.035	0.007
C6	R3	D16	S1	-0.0019	-0.0031	0.0225	0.0116	0.010
C6	R4	D17	S1	-0.0034	-0.0117	0.0191	0.0048	0.008
C6	R5	D28	S1	-0.0061	0.0059	0.0175	0.0228	0.006
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	-0.002	-0.005	0.023	0.010	0.010
			3sigma	0.012	0.028	0.013	0.025	0.012
			m +3sig	0.014	0.033	0.036	0.035	0.022
C1	R2	D10	S1	-0.002	-0.0021	0.0245	-0.0023	0.011
C1	R3	D11	S1	-0.0074	-0.0052	0.0209	-0.0042	0.007
C1	R4	D22	S1	0.0051	-0.005	0.037	0.0033	0.021
C1	R5	D23	S1	-0.0018	-0.0113	0.0255	0.0143	0.012
C2	R1	D1	S1	0.0086	0.0105	0.0416	0.0158	0.025
C2	R2	D9	S1	0.0047	0.0023	0.0321	0.0084	0.018
C2	R3	D12	S1	0.0072	0.0058	0.0362	0.0084	0.022
C2	R4	D21	S1	0.0012	0.0069	0.0325	0.0036	0.017
C2	R5	D24	S1	-0.0023	0.0049	0.029	0.0066	0.013
C2	R6	D32	S1	-0.0034	0.0037	0.024	0.0036	0.010
C3	R1	D2	S1	-0.0013	0.0082	0.0292	0.0062	0.014
C3	R2	D8	S1	0.0039	0.0099	0.027	0.0156	0.015
C3	R3	D13	S1	-0.0044	0.0079	0.0269	0.0094	0.011
C3	R4	D20	S1	0.0032	0.005	0.0291	0.0031	0.016
C3	R5	D25	S1	0.0016	0.004	0.028	0	0.015

C3	R6	D31	S1	0.0026	0.0103	0.0355	0.0139	0.019
C4	R1	D3	S1	0.0045	0.0097	0.0338	0.0054	0.019
C4	R2	D7	S1	0.0067	0.0306	0.0317	0.0316	0.019
C4	R3	D14	S1	0.006	0.0182	0.033	0.0166	0.020
C4	R4	D19	S1	0.0026	0.0057	0.0306	0.0023	0.017
C4	R5	D26	S1	0.0056	-0.0002	0.0305	-0.0059	0.018
C4	R6	D30	S1	-0.0075	0.0213	0.0194	0.02	0.006
C5	R1	D4	S1	-0.0026	0.0022	0.0286	0.0018	0.013
C5	R2	D6	S1	0.0031	0.0158	0.0221	0.0166	0.013
C5	R3	D15	S1	-0.0008	0.0347	0.0287	0.0326	0.014
C5	R4	D18	S1	0.0031	-0.0007	0.0327	0.002	0.018
C5	R5	D27	S1	0.0043	0.0053	0.0314	0.0081	0.018
C5	R6	D29	S1	0.0058	0.0183	0.0354	0.023	0.021
C6	R2	D5	S1	0.0038	0.0214	0.031	0.0197	0.017
C6	R3	D16	S1	0.0074	0.0233	0.032	0.0204	0.020
C6	R4	D17	S1	-0.0048	0.0118	0.0226	0.0186	0.009
C6	R5	D28	S1	-0.001	0.025	0.03	0.0234	0.015
			XI	YI	Xr	Yr	(XI+Xr)/2	
			Average	0.002	0.009	0.030	0.011	0.016
			3sigma	0.013	0.032	0.015	0.030	0.013
			m +3sig	0.015	0.041	0.045	0.040	0.029
			XI	YI	Xr	Yr	(XI+Xr)/2	
			Average	0.005	0.001	0.025	0.008	0.015
			3sigma	0.019	0.034	0.017	0.029	0.015
			m +3sig	0.024	0.035	0.042	0.037	0.029
			AGA Mode4 Day3					

stappen 1 -> stappen 5. AGA S1S5 S1S 4C.
 S1S5D1.XLS went in stappen 5 in de job is in matchin
 het volgende veranderd:

magis: -3,4pp.
 alignment
 x + 0,03

SYSTEM		IVS-1							
Device-CANON Level-AGA Job Plan-RESIST Lot #-S1S5D1									
Wed Aug 09 16:41:29 1995									
SLOT 1									
WAFER_ID:				XI	YI	Xr	Yr	(XI+Xr)/2	
C2	R1	D1	S1	0.0008	0.0188	0.0207	-0.0233	0.011	
C3	R1	D2	S1	0.008	0.006	0.0222	-0.0202	0.015	
C4	R1	D3	S1	0.0147	0.0061	0.0321	-0.0282	0.023	
C5	R1	D4	S1	0.0181	0	0.0395	-0.0079	0.029	
C6	R2	D5	S1	-0.0031	0.0031	0.024	-0.0227	0.010	
C5	R2	D6	S1	0.0054	0.0083	0.0079	-0.0309	0.007	
C4	R2	D7	S1	0.0012	-0.0002	0.0135	-0.0275	0.007	
C3	R2	D8	S1	0.005	-0.0079	0.0153	-0.0158	0.010	
C2	R2	D9	S1	0.0128	0.0055	0.0104	-0.0252	0.012	
C1	R2	D10	S1	-0.0218	0.0331	0.0033	-0.0047	-0.009	
C1	R3	D11	S1	-0.0145	0.0196	0.0112	-0.0138	-0.002	
C2	R3	D12	S1	0.0026	0.0003	0.007	-0.017	0.005	
C3	R3	D13	S1	0.0095	-0.0036	0.0175	-0.0314	0.014	
C4	R3	D14	S1	0.0115	0.0173	0.026	-0.0033	0.019	
C5	R3	D15	S1	0.0145	0.0221	0.0169	-0.012	0.016	
C6	R3	D16	S1	0.0054	0.0221	0.0311	-0.0126	0.018	
C6	R4	D17	S1	-0.0015	0.0261	0.0301	-0.0199	0.014	
C5	R4	D18	S1	-0.0101	0.0003	0.0003	-0.0249	-0.005	
C4	R4	D19	S1	-0.0044	0.0044	0.0015	-0.0175	-0.001	
C3	R4	D20	S1	-0.0016	-0.0119	0.0082	-0.0332	0.003	
C2	R4	D21	S1	-0.0085	0.0151	-0.0082	-0.0085	-0.008	
C1	R4	D22	S1	-0.0215	0.021	0.0006	-0.0092	-0.010	
C1	R5	D23	S1	0.0048	0.0587	0.0045	0.0206	0.005	
C2	R5	D24	S1	0.005	0.0286	0.0184	-0.0118	0.012	
C3	R5	D25	S1	0.0017	0.0198	0.0146	-0.0001	0.008	
C4	R5	D26	S1	0.0043	0.0112	0.0175	-0.0113	0.011	
C5	R5	D27	S1	0.0092	0.0269	0.0172	-0.0108	0.013	
C6	R5	D28	S1	0.0146	0.0194	0.0307	-0.0169	0.023	
C5	R6	D29	S1	0.0044	0.0183	0.0213	-0.0278	0.013	
C4	R6	D30	S1	-0.0029	0.0367	0.0136	-0.0064	0.005	
C3	R6	D31	S1	0.0091	0.0255	0.0086	-0.001	0.009	
C2	R6	D32	S1	-0.001	0.0363	0.0131	0.0065	0.006	
				XI	YI	Xr	Yr	(XI+Xr)/2	
			Average	0.002	0.015	0.015	-0.015	0.009	
			3sigma	0.029	0.045	0.032	0.036	0.028	
			m +3sig	0.032	0.060	0.048	0.050	0.037	
C2	R1	D1	S1	0.002	0.0399	0.0247	0.017	0.013	
C3	R1	D2	S1	0.0221	0.032	0.0311	-0.0123	0.027	
C4	R1	D3	S1	0.0178	0.0167	0.0281	-0.0145	0.023	
C5	R1	D4	S1	0.016	0.01	0.034	-0.0153	0.025	
C6	R2	D5	S1	0.0057	0.0145	0.0382	-0.0068	0.022	
C5	R2	D6	S1	0.0158	0.0148	0.0187	-0.0191	0.017	
C4	R2	D7	S1	0.0016	0.0121	0.0041	-0.0139	0.003	
C3	R2	D8	S1	0.0071	0.0202	0.0103	-0.0009	0.009	
C2	R2	D9	S1	0.0035	0.0204	0.0105	-0.0018	0.007	
C1	R2	D10	S1	-0.0103	0.054	0.0091	0.0197	-0.001	
C1	R3	D11	S1	-0.0198	0.0452	0.0111	0.0232	-0.004	
C2	R3	D12	S1	0.0006	0.0181	0.0041	0.0016	0.002	
C3	R3	D13	S1	0.0041	0.0386	0.0116	0.0135	0.008	

S1S5D1.XLS

C4	R3	D14	S1	0.0094	0.0331	0.0146	0.0024	0.012
C5	R3	D15	S1	0.0138	0.0372	0.0105	-0.0095	0.012
C6	R3	D16	S1	0.0072	0.0049	0.0245	-0.0291	0.016
C6	R4	D17	S1	-0.0067	0.0286	0.0259	-0.0099	0.010
C5	R4	D18	S1	-0.0032	0.0145	0.0035	-0.0194	0.000
C4	R4	D19	S1	-0.0015	0.0164	0.0043	-0.0026	0.001
C3	R4	D20	S1	-0.003	0.0303	0.0105	-0.0023	0.004
C2	R4	D21	S1	-0.0043	0.0415	-0.0008	0.0175	-0.003
C1	R4	D22	S1	-0.0183	0.047	-0.0034	0.0239	-0.011
C1	R5	D23	S1	0.0077	0.0211	0.0136	-0.0119	0.011
C2	R5	D24	S1	0.0198	0.0238	0.0221	0.0047	0.021
C3	R5	D25	S1	0.0031	0.0428	0.0138	0.0125	0.008
C4	R5	D26	S1	0.0091	0.0359	0.0155	0.0138	0.012
C5	R5	D27	S1	0.0112	0.0199	0.0202	-0.0046	0.016
C6	R5	D28	S1	0.0172	0.0152	0.0352	-0.0153	0.026
C5	R6	D29	S1	0.0217	0.0311	0.0403	-0.0025	0.031
C4	R6	D30	S1	0.0071	0.0343	0.0267	-0.0068	0.017
C3	R6	D31	S1	0.0152	0.0189	0.0172	-0.0021	0.016
C2	R6	D32	S1	0.0004	0.0323	0.019	0.0071	0.010
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.005	0.027	0.017	-0.001	0.011
			3sigma	0.032	0.037	0.034	0.041	0.030
			m +3sig	0.037	0.064	0.051	0.042	0.041
C2	R1	D1	S1	0.0001	0.0288	0.0232	0.001	0.012
C3	R1	D2	S1	0.0106	0.0083	0.0201	-0.0073	0.015
C4	R1	D3	S1	0.0122	0.0306	0.0212	-0.0069	0.017
C5	R1	D4	S1	0.0184	0.0176	0.0345	0.0035	0.026
C6	R2	D5	S1	-0.002	0.0379	0.0229	0.0059	0.010
C5	R2	D6	S1	0.0031	0.0183	0.0086	-0.016	0.006
C4	R2	D7	S1	-0.0028	0.0288	0.0061	-0.0075	0.002
C3	R2	D8	S1	0.0038	0.0254	0.0083	0.0017	0.006
C2	R2	D9	S1	0.0019	0.0264	0.0137	0.0053	0.008
C1	R2	D10	S1	-0.0306	0.0286	-0.0097	-0.0022	-0.020
C1	R3	D11	S1	-0.0188	0.0413	0.0044	0.0065	-0.007
C2	R3	D12	S1	-0.0003	0.0119	0.0072	-0.0106	0.003
C3	R3	D13	S1	-0.0005	0.014	0.0153	-0.0155	0.007
C4	R3	D14	S1	0.0029	0.0168	0.0123	-0.0021	0.008
C5	R3	D15	S1	0.0123	0.0366	0.0104	-0.0068	0.011
C6	R3	D16	S1	0.0038	0.0438	0.0274	-0.0009	0.016
C6	R4	D17	S1	-0.0004	0.0314	0.0204	0.0009	0.010
C5	R4	D18	S1	-0.0064	0.021	0.0058	-0.0044	0.000
C4	R4	D19	S1	-0.0134	0.0152	-0.0038	0.0105	-0.009
C3	R4	D20	S1	-0.0112	0.0319	-0.0003	-0.0004	-0.006
C2	R4	D21	S1	-0.0096	0.014	-0.0046	-0.0132	-0.007
C1	R4	D22	S1	-0.0228	0.0155	-0.0014	-0.0116	-0.012
C1	R5	D23	S1	0.0102	0.0405	0.0102	-0.0033	0.010
C2	R5	D24	S1	0.0044	0.0208	0.008	-0.0012	0.006
C3	R5	D25	S1	-0.0031	0.0151	0.0057	-0.0131	0.001
C4	R5	D26	S1	0.0071	0.0312	0.0113	0.0122	0.009
C5	R5	D27	S1	-0.0036	0.041	0.0108	0.0218	0.004
C6	R5	D28	S1	0.0103	0.0472	0.0201	0.0077	0.015
C5	R6	D29	S1	0.0044	0.019	0.0194	-0.0233	0.012
C4	R6	D30	S1	-0.0072	0.0232	0.0046	-0.0073	-0.001
C3	R6	D31	S1	0.0052	0.0212	0.0102	0.0005	0.008
C2	R6	D32	S1	-0.0133	-0.0201	-0.0111	-0.0008	-0.001

S1S5D1.XLS

				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	-0.001	0.026	0.011	-0.002	0.005
			3sigma	0.032	0.031	0.029	0.028	0.029
			m +3sig	0.033	0.057	0.040	0.030	0.034
C1	R2	D10	S1	-0.0115	0.0347	0.012	-0.0061	0.000
C1	R3	D11	S1	0.0038	0.0181	0.0178	-0.0254	0.011
C1	R4	D22	S1	0.0105	0.0065	0.0218	-0.0323	0.016
C1	R5	D23	S1	0.0033	0.0039	0.0335	-0.0266	0.018
C2	R1	D1	S1	0.0028	0.0203	0.0247	-0.0072	0.014
C2	R2	D9	S1	-0.0005	0.022	0.0124	-0.0161	0.006
C2	R3	D12	S1	-0.0001	0.0219	0.0086	-0.0122	0.004
C2	R4	D21	S1	-0.0138	0.0063	-0.0011	-0.0159	-0.007
C2	R5	D24	S1	-0.0152	0.0106	-0.0001	-0.0149	-0.008
C2	R6	D32	S1	-0.0206	0.0235	-0.0016	-0.014	-0.011
C3	R1	D2	S1	-0.024	0.0341	0.0048	0.0013	-0.010
C3	R2	D8	S1	0.0045	0.0225	0.0108	-0.0064	0.008
C3	R3	D13	S1	-0.006	0.0092	0.0049	-0.0171	-0.001
C3	R4	D20	S1	-0.0048	0.0197	0.0014	-0.0153	-0.002
C3	R5	D25	S1	0.0067	0.0234	0.0118	-0.0209	0.009
C3	R6	D31	S1	-0.0035	0.0234	0.0201	-0.0159	0.008
C4	R1	D3	S1	-0.0019	0.056	0.0187	0.0113	0.008
C4	R2	D7	S1	-0.0151	0.0321	-0.0032	-0.002	-0.009
C4	R3	D14	S1	-0.0133	0.0302	-0.0044	0.0075	-0.009
C4	R4	D19	S1	-0.0106	0.0403	0.0014	0.0022	-0.005
C4	R5	D26	S1	-0.0034	0.0231	-0.001	-0.0021	-0.002
C4	R6	D30	S1	-0.031	0.0406	-0.0037	0.0122	-0.017
C5	R1	D4	S1	-0.0064	0.0407	0.0019	0.0168	-0.002
C5	R2	D6	S1	-0.0057	0.0683	0.006	0.0364	0.000
C5	R3	D15	S1	0.0064	0.0365	0.0095	0.0066	0.008
C5	R4	D18	S1	-0.0005	0.0247	0.0108	-0.0029	0.005
C5	R5	D27	S1	-0.0002	0.041	0.0087	0.0004	0.004
C5	R6	D29	S1	0.0045	0.0383	0.0289	0.0018	0.017
C6	R2	D5	S1	-0.0077	0.0558	0.0202	0.0074	0.006
C6	R3	D16	S1	0	0.0586	0.0073	0.0226	0.004
C6	R4	D17	S1	-0.0026	0.0464	0.0053	0.007	0.001
C6	R5	D28	S1	-0.0109	0.0537	0.0098	0.0235	-0.001
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	-0.005	0.031	0.009	-0.003	0.002
			3sigma	0.028	0.049	0.029	0.047	0.026
			m +3sig	0.034	0.080	0.039	0.050	0.028
C1	R2	D10	S1	-0.0067	0.0318	0.0182	-0.0108	0.006
C1	R3	D11	S1	0.0145	0.0126	0.029	-0.0144	0.022
C1	R4	D22	S1	0.0157	0.0025	0.0255	-0.0295	0.021
C1	R5	D23	S1	0.0106	0.0037	0.0296	-0.0142	0.020
C2	R1	D1	S1	-0.0027	0.0317	0.0285	0.0078	0.013
C2	R2	D9	S1	-0.0015	0.0247	0.0048	-0.004	0.002
C2	R3	D12	S1	0.0065	0.0189	0.0167	-0.0065	0.012
C2	R4	D21	S1	-0.003	0.0098	0.0125	-0.0012	0.005
C2	R5	D24	S1	0.0006	0.012	0.0098	0.0031	0.005
C2	R6	D32	S1	-0.026	0.0225	0.0037	-0.0075	-0.011
C3	R1	D2	S1	-0.0102	0.0276	0.0114	-0.0004	0.001
C3	R2	D8	S1	-0.001	0.0119	0.0161	-0.0135	0.008
C3	R3	D13	S1	-0.0011	0.0064	0.0107	-0.0136	0.005
C3	R4	D20	S1	-0.0082	0.01	0.0054	-0.01	-0.001
C3	R5	D25	S1	0.0092	0.0292	0.0094	-0.0055	0.009

C3	R6	D31	S1	-0.0025	0.0218	0.0202	-0.0185	0.009
C4	R1	D3	S1	-0.0109	0.0541	0.0188	0.0238	0.004
C4	R2	D7	S1	-0.0162	0.0365	-0.0035	0.0064	-0.010
C4	R3	D14	S1	-0.0134	0.0258	-0.0017	0.0118	-0.008
C4	R4	D19	S1	-0.0119	0.0084	0.0066	-0.0152	-0.003
C4	R5	D26	S1	-0.0022	0.0236	0.0033	-0.0029	0.001
C4	R6	D30	S1	-0.0208	0.0091	0.0012	-0.009	-0.010
C5	R1	D4	S1	-0.0043	0.0182	0.0086	-0.003	0.002
C5	R2	D6	S1	0.0021	0.0181	0.0176	-0.0016	0.010
C5	R3	D15	S1	0.0082	0.032	0.0209	0.0108	0.015
C5	R4	D18	S1	0.0067	0.03	0.0141	0.0165	0.010
C5	R5	D27	S1	0.0001	0.0375	0.0174	0.0158	0.009
C5	R6	D29	S1	0.0027	0.0478	0.0241	0.0078	0.013
C6	R2	D5	S1	-0.0073	0.0418	0.0169	0.011	0.005
C6	R3	D16	S1	-0.0052	0.0258	0.0113	-0.0075	0.003
C6	R4	D17	S1	0.0015	0.0203	0.0093	-0.0089	0.005
C6	R5	D28	S1	-0.0099	0.0197	0.0139	0.0022	0.002
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	-0.003	0.023	0.013	-0.003	0.005
			3sigma	0.029	0.038	0.026	0.035	0.025
			m +3sig	0.031	0.061	0.040	0.038	0.030
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.000	0.024	0.013	-0.005	0.006
			3sigma	0.032	0.043	0.031	0.040	0.029
			m +3sig	0.032	0.067	0.044	0.045	0.035
			Stepper1 to Stepper5 Day 1					

SYSTEM		IVS-1						
Device-CANON Level-AGA Job Plan-RESIST Lot #-S1S5D2								
Thu Aug 10 10:18:32 1995								
SLOT 1								
WAFER_ID:								
C2	R1	D1	S1	-0.0048	-0.0054	0.0098	-0.0344	0.003
C3	R1	D2	S1	0.0157	-0.0045	0.0225	-0.0407	0.019
C4	R1	D3	S1	0.0094	-0.0201	0.0162	-0.0419	0.013
C5	R1	D4	S1	0.0148	-0.0086	0.0331	-0.0309	0.024
C6	R2	D5	S1	-0.002	-0.0042	0.022	-0.0389	0.010
C5	R2	D6	S1	0.0083	-0.0061	0.0049	-0.0367	0.007
C4	R2	D7	S1	0.0075	-0.016	0.0117	-0.0407	0.010
C3	R2	D8	S1	0.0176	-0.0081	0.015	-0.0317	0.016
C2	R2	D9	S1	0.0022	-0.0092	0.0084	-0.0354	0.005
C1	R2	D10	S1	-0.0285	0.0173	-0.0049	-0.0284	-0.017
C1	R3	D11	S1	-0.0145	0.0063	0.0053	-0.0349	-0.005
C2	R3	D12	S1	0.0013	-0.0154	0.007	-0.034	0.004
C3	R3	D13	S1	-0.0019	-0.0167	0.0085	-0.0383	0.003
C4	R3	D14	S1	0.0066	0.0009	0.0176	-0.0309	0.012
C5	R3	D15	S1	0.0135	-0.0032	0.012	-0.0506	0.013
C6	R3	D16	S1	0.0054	0.0056	0.0216	-0.0253	0.014
C6	R4	D17	S1	0.0092	0.0028	0.0231	-0.0358	0.016
C5	R4	D18	S1	-0.0027	-0.0139	0.0061	-0.0477	0.002
C4	R4	D19	S1	-0.0038	-0.0081	0.0008	-0.0226	-0.002
C3	R4	D20	S1	-0.0072	0.007	0.0012	-0.0356	-0.003
C2	R4	D21	S1	-0.0112	-0.0064	-0.006	-0.0326	-0.009
C1	R4	D22	S1	-0.0249	-0.0021	-0.008	-0.0249	-0.016
C1	R5	D23	S1	0.0031	0.0083	0.0047	-0.025	0.004
C2	R5	D24	S1	0.0062	0.0028	0.0078	-0.0209	0.007
C3	R5	D25	S1	0.0026	0.0005	0.0067	-0.0348	0.005
C4	R5	D26	S1	0.0013	-0.0145	0.0112	-0.0373	0.006
C5	R5	D27	S1	0.0077	0.0004	0.0115	-0.0226	0.010
C6	R5	D28	S1	0.0085	0.0142	0.0289	-0.0379	0.019
C5	R6	D29	S1	0.0132	0.0081	0.0276	-0.0362	0.020
C4	R6	D30	S1	0.0029	0.0024	0.0157	-0.0341	0.009
C3	R6	D31	S1	0.0163	-0.0089	0.0225	-0.0298	0.019
C2	R6	D32	S1	-0.0081	-0.0057	0.0134	-0.0369	0.003
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.002	-0.003	0.012	-0.034	0.007
			3sigma	0.033	0.027	0.030	0.021	0.030
			m +3sig	0.035	0.031	0.042	0.055	0.036
C2	R1	D1	S1	-0.0001	0.022	0.0196	-0.0097	0.010
C3	R1	D2	S1	0.0156	0.0084	0.03	-0.0066	0.023
C4	R1	D3	S1	0.0133	0.0176	0.022	-0.0199	0.018
C5	R1	D4	S1	0.0112	0.009	0.0329	-0.0071	0.022
C6	R2	D5	S1	0.0034	0.026	0.0264	0.0026	0.015
C5	R2	D6	S1	0.0149	0.0076	0.0139	-0.0216	0.014
C4	R2	D7	S1	0.0018	0.0094	0.0089	-0.0233	0.005
C3	R2	D8	S1	0.004	0.0276	0.0082	0.0075	0.006
C2	R2	D9	S1	0.0025	0.0113	0.0094	-0.0108	0.006
C1	R2	D10	S1	-0.0189	0.0187	-0.0013	-0.0151	-0.010
C1	R3	D11	S1	-0.0172	0.029	-0.0019	-0.0097	-0.010
C2	R3	D12	S1	-0.0023	-0.008	0.0036	-0.0169	0.001
C3	R3	D13	S1	-0.0057	0.0018	-0.0026	-0.0213	-0.004

C4	R3	D14	S1	0.0029	0.0085	0.0097	-0.0169	0.006
C5	R3	D15	S1	0.0071	0.0236	0.0066	-0.0118	0.007
C6	R3	D16	S1	0.0033	0.0245	0.0149	-0.009	0.009
C6	R4	D17	S1	-0.0174	0.0267	0.0126	-0.0046	-0.002
C5	R4	D18	S1	-0.0118	0.0191	-0.0051	-0.018	-0.008
C4	R4	D19	S1	-0.0112	-0.0051	-0.0045	-0.0153	-0.008
C3	R4	D20	S1	-0.0046	0.0154	-0.0006	-0.0062	-0.003
C2	R4	D21	S1	-0.0049	0.0259	-0.0002	-0.0067	-0.003
C1	R4	D22	S1	-0.018	0.0262	-0.0048	0.0063	-0.011
C1	R5	D23	S1	-0.0042	0.0342	0.0014	0.0082	-0.001
C2	R5	D24	S1	0.0049	0.0206	0.0106	-0.0074	0.008
C3	R5	D25	S1	-0.0044	0.0093	0.0049	0.0019	0.000
C4	R5	D26	S1	-0.0122	0.0187	0.0042	-0.0056	-0.004
C5	R5	D27	S1	0.002	0.0226	0.0075	-0.0142	0.005
C6	R5	D28	S1	0.0087	0.003	0.0256	-0.0326	0.017
C5	R6	D29	S1	0.0004	0.0187	0.0202	-0.0252	0.010
C4	R6	D30	S1	-0.0118	0.0293	0.0031	-0.0194	-0.004
C3	R6	D31	S1	-0.0047	0.0276	0.0001	0.0036	-0.002
C2	R6	D32	S1	-0.0163	0.0319	0.004	0.0146	-0.006
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	-0.002	0.018	0.009	-0.010	0.003
			3sigma	0.030	0.032	0.032	0.033	0.029
			m +3sig	0.032	0.050	0.040	0.042	0.032
C2	R1	D1	S1	-0.0019	0.0217	0.0197	-0.0011	0.009
C3	R1	D2	S1	0.0157	0.0396	0.0293	0.0074	0.023
C4	R1	D3	S1	0.0192	0.0261	0.0319	-0.0092	0.026
C5	R1	D4	S1	0.0248	0.0256	0.0442	0.0039	0.035
C6	R2	D5	S1	0.0055	0.0069	0.0256	-0.0228	0.016
C5	R2	D6	S1	0.0047	-0.0002	0.0142	-0.0336	0.009
C4	R2	D7	S1	0.0006	-0.0015	0.0152	-0.0338	0.008
C3	R2	D8	S1	0.005	0.0089	0.012	-0.0071	0.009
C2	R2	D9	S1	0.0053	0.0147	0.0058	-0.0116	0.006
C1	R2	D10	S1	-0.0271	0.0463	-0.0049	0.0037	-0.016
C1	R3	D11	S1	-0.0112	0.037	0.0097	0.0028	-0.001
C2	R3	D12	S1	-0.0022	0.0109	-0.0008	-0.0156	-0.002
C3	R3	D13	S1	0.0005	0.0133	0.0156	-0.0146	0.008
C4	R3	D14	S1	0.0074	0.0179	0.0187	-0.0068	0.013
C5	R3	D15	S1	0.0141	0.0154	0.0135	-0.0266	0.014
C6	R3	D16	S1	0.0063	0.0139	0.0213	-0.027	0.014
C6	R4	D17	S1	-0.0004	0.0276	0.0275	-0.0116	0.014
C5	R4	D18	S1	-0.0021	-0.0042	0.0031	-0.0362	0.001
C4	R4	D19	S1	-0.0104	-0.0031	0.0033	-0.0139	-0.004
C3	R4	D20	S1	-0.0032	0.0008	0.002	-0.0246	-0.001
C2	R4	D21	S1	-0.003	0.0171	0.0007	-0.0012	-0.001
C1	R4	D22	S1	-0.0215	0.0273	-0.0005	0.0093	-0.011
C1	R5	D23	S1	0.0051	0.0452	0.0087	0.0139	0.007
C2	R5	D24	S1	0.0008	0.0389	0.0168	0.0085	0.009
C3	R5	D25	S1	0.0077	0.0196	0.0105	-0.0223	0.009
C4	R5	D26	S1	0.0055	0.0252	0.0168	-0.0034	0.011
C5	R5	D27	S1	0.0135	0.0202	0.0195	-0.0191	0.017
C6	R5	D28	S1	0.019	0.0199	0.0338	-0.016	0.026
C5	R6	D29	S1	0.0133	0.0309	0.033	-0.0204	0.023
C4	R6	D30	S1	0.0049	0.0297	0.0144	0.0045	0.010
C3	R6	D31	S1	0.0158	0.0388	0.0237	0.0064	0.020
C2	R6	D32	S1	0.0007	0.0307	0.0157	-0.0013	0.008

				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.004	0.021	0.016	-0.010	0.010
			3sigma	0.033	0.042	0.035	0.042	0.032
			m +3sig	0.037	0.063	0.050	0.052	0.042
C1	R2	D10	S1	-0.0146	0.0149	0.0079	-0.0324	-0.003
C1	R3	D11	S1	0.013	-0.0101	0.0258	-0.0403	0.019
C1	R4	D22	S1	0.0085	-0.0195	0.0158	-0.034	0.012
C1	R5	D23	S1	0.0092	-0.0087	0.0282	-0.0167	0.019
C2	R1	D1	S1	0.0006	0.008	0.0277	0.0025	0.014
C2	R2	D9	S1	0.006	-0.0022	0.0088	-0.0309	0.007
C2	R3	D12	S1	-0.0057	-0.0027	0.007	-0.0208	0.001
C2	R4	D21	S1	-0.0091	-0.0006	0.0087	-0.0141	0.000
C2	R5	D24	S1	-0.008	0.0049	-0.0015	-0.0054	-0.005
C2	R6	D32	S1	-0.0246	0.0043	-0.006	-0.0182	-0.015
C3	R1	D2	S1	-0.0217	0.0185	0.0028	-0.0131	-0.009
C3	R2	D8	S1	0.0003	-0.0204	0.0051	-0.0334	0.003
C3	R3	D13	S1	-0.0035	-0.0137	0.0053	-0.0211	0.001
C3	R4	D20	S1	0.0057	-0.0019	0.0177	-0.0159	0.012
C3	R5	D25	S1	0.0069	0.0225	0.0097	-0.0162	0.008
C3	R6	D31	S1	-0.0015	0.0189	0.0218	-0.0159	0.010
C4	R1	D3	S1	-0.0058	0.0323	0.02	0.0074	0.007
C4	R2	D7	S1	-0.0156	0.0026	0.002	-0.0125	-0.007
C4	R3	D14	S1	-0.0043	-0.0074	0.0066	-0.014	0.001
C4	R4	D19	S1	-0.0067	-0.002	0.0025	-0.019	-0.002
C4	R5	D26	S1	-0.0012	0.0101	0.0004	-0.0124	0.000
C4	R6	D30	S1	-0.0266	0.0131	-0.0049	0.0083	-0.016
C5	R1	D4	S1	0.0099	0.0192	0.0131	-0.0098	0.012
C5	R2	D6	S1	-0.0015	0.0291	0.0081	-0.0046	0.003
C5	R3	D15	S1	0.0031	0.0096	0.0148	-0.0197	0.009
C5	R4	D18	S1	0.0005	0.0116	0.0115	-0.0044	0.006
C5	R5	D27	S1	0.0021	0.0288	0.0144	0.0015	0.008
C5	R6	D29	S1	0.0068	0.0154	0.0252	-0.0077	0.016
C6	R2	D5	S1	0.0166	0.0212	0.0303	-0.0147	0.023
C6	R3	D16	S1	-0.0052	0.0215	0.0179	-0.0125	0.006
C6	R4	D17	S1	0.0045	0.0153	0.0163	-0.0015	0.010
C6	R5	D28	S1	-0.0104	0.0201	0.0065	0.0064	-0.002
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	-0.002	0.008	0.012	-0.014	0.005
			3sigma	0.031	0.042	0.029	0.037	0.028
			m +3sig	0.034	0.050	0.041	0.050	0.033
C1	R2	D10	S1	0.0031	0.0284	0.0242	-0.0051	0.014
C1	R3	D11	S1	0.0191	0.0228	0.0302	-0.0175	0.025
C1	R4	D22	S1	0.0137	0.0206	0.0285	-0.0135	0.021
C1	R5	D23	S1	0.01	0.0126	0.0298	-0.021	0.020
C2	R1	D1	S1	-0.0065	0.0208	0.0243	-0.0145	0.009
C2	R2	D9	S1	0.0023	0.0214	0.008	-0.0211	0.005
C2	R3	D12	S1	0.0033	0.0211	0.019	-0.0223	0.011
C2	R4	D21	S1	-0.0032	0.0003	0.0143	-0.0161	0.006
C2	R5	D24	S1	0.0052	0.0134	0.0093	-0.0145	0.007
C2	R6	D32	S1	-0.0144	0.0416	0.0144	0	0.000
C3	R1	D2	S1	-0.0042	0.0434	0.0226	-0.0013	0.009
C3	R2	D8	S1	0.0039	0.0147	0.0153	-0.0149	0.010
C3	R3	D13	S1	0.0093	0.0244	0.0189	-0.0132	0.014
C3	R4	D20	S1	0.0026	0.0157	0.0124	-0.0189	0.008
C3	R5	D25	S1	0.0097	0.0248	0.0139	-0.0124	0.012

C3	R6	D31	S1	-0.0009	0.0187	0.0182	-0.0255	0.009
C4	R1	D3	S1	-0.0054	0.0169	0.0182	-0.0237	0.006
C4	R2	D7	S1	-0.0137	0.0073	0.004	-0.0259	-0.005
C4	R3	D14	S1	-0.0036	-0.0019	0.005	-0.0257	0.001
C4	R4	D19	S1	-0.003	0.0227	0.0147	-0.0095	0.006
C4	R5	D26	S1	0.0028	0.0177	0.0053	-0.0124	0.004
C4	R6	D30	S1	-0.0176	0.0248	0.0122	-0.0024	-0.003
C5	R1	D4	S1	0.0056	0.0422	0.0125	0.0108	0.009
C5	R2	D6	S1	0.0029	0.03	0.013	-0.0062	0.008
C5	R3	D15	S1	0.0115	0.0281	0.0213	-0.01	0.016
C5	R4	D18	S1	0.0031	0.0187	0.0177	-0.0014	0.010
C5	R5	D27	S1	-0.0017	0.0395	0.0073	-0.0086	0.003
C5	R6	D29	S1	-0.0084	0.0208	0.0173	-0.0212	0.004
C6	R2	D5	S1	-0.0028	0.0354	0.023	-0.0151	0.010
C6	R3	D16	S1	-0.0015	0.017	0.0126	-0.0173	0.006
C6	R4	D17	S1	0.008	0.0312	0.0163	-0.0093	0.012
C6	R5	D28	S1	-0.0036	0.0401	0.0099	0.0148	0.003
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.001	0.023	0.016	-0.012	0.008
			3sigma	0.024	0.034	0.021	0.030	0.019
			m +3sig	0.025	0.057	0.037	0.042	0.028
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.000	0.013	0.013	-0.016	0.007
			3sigma	0.031	0.046	0.030	0.043	0.028
			m +3sig	0.031	0.059	0.043	0.059	0.035
			Stepper5 to Stepper1 Day 2					

SYSTEM		IVS-1						
Device-CANON Level-AGA Job Plan-RESIST Lot #-S1S5D3								
Fri Aug 11 10:21:21 1995								
SLOT 1								
WAFER_ID:								
C2	R1	D1	S1	0.0003	0.0255	0.0187	0.008	0.010
C3	R1	D2	S1	0.009	0.0122	0.0176	-0.0133	0.013
C4	R1	D3	S1	0.0067	0.019	0.0194	-0.0153	0.013
C5	R1	D4	S1	0.007	0.0171	0.0328	-0.015	0.020
C6	R2	D5	S1	-0.0047	0.0093	0.0133	-0.0095	0.004
C5	R2	D6	S1	-0.0035	0.0035	0.0076	-0.0149	0.002
C4	R2	D7	S1	-0.0088	-0.0016	0.0066	-0.0203	-0.001
C3	R2	D8	S1	-0.0038	0.0097	-0.0086	-0.0146	-0.006
C2	R2	D9	S1	-0.0069	0.0089	0.0009	-0.0071	-0.003
C1	R2	D10	S1	-0.0287	0.0376	-0.0099	0.013	-0.019
C1	R3	D11	S1	-0.0173	0.0295	0.007	0.0019	-0.005
C2	R3	D12	S1	-0.0051	0.0204	0.005	-0.0053	0.000
C3	R3	D13	S1	-0.0049	0.0206	0.0064	-0.0047	0.001
C4	R3	D14	S1	0.0003	0.0199	0.0083	0.002	0.004
C5	R3	D15	S1	-0.0014	0.0276	0.0071	-0.0142	0.003
C6	R3	D16	S1	-0.0049	0.0179	0.0151	-0.0214	0.005
C6	R4	D17	S1	-0.0009	0.0254	0.0258	-0.0204	0.012
C5	R4	D18	S1	-0.0138	-0.0068	-0.0001	-0.0231	-0.007
C4	R4	D19	S1	-0.009	0.0023	0.0026	-0.0135	-0.003
C3	R4	D20	S1	-0.0104	0.0159	0.0014	-0.0071	-0.005
C2	R4	D21	S1	-0.0016	0.0112	-0.0001	-0.0074	-0.001
C1	R4	D22	S1	-0.0255	0.0377	-0.0039	0.0178	-0.015
C1	R5	D23	S1	0.0027	0.0285	0.0047	0.0227	0.004
C2	R5	D24	S1	-0.0037	0.0325	0.009	0.0115	0.003
C3	R5	D25	S1	-0.0093	0.0095	0.0072	-0.0147	-0.001
C4	R5	D26	S1	-0.004	0.0017	0.0177	-0.0201	0.007
C5	R5	D27	S1	0.0022	0.0122	0.017	-0.0194	0.010
C6	R5	D28	S1	0.0081	0.0141	0.0236	-0.0277	0.016
C5	R6	D29	S1	0.01	-0.0048	0.0312	-0.049	0.021
C4	R6	D30	S1	0.0074	-0.01	0.0267	-0.036	0.017
C3	R6	D31	S1	0.0098	-0.0034	0.0114	-0.0232	0.011
C2	R6	D32	S1	-0.0087	0.0031	0.013	0.0002	0.002
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	-0.004	0.014	0.010	-0.011	0.003
			3sigma	0.028	0.038	0.032	0.046	0.028
			m +3sig	0.032	0.052	0.042	0.056	0.031
C2	R1	D1	S1	0.0028	0.0383	0.0226	0.0001	0.013
C3	R1	D2	S1	0.0091	0.0194	0.0285	-0.0081	0.019
C4	R1	D3	S1	0.0096	0.0066	0.0246	-0.0147	0.017
C5	R1	D4	S1	0.015	0.0131	0.0288	-0.0219	0.022
C6	R2	D5	S1	0.0001	0.0219	0.0266	-0.021	0.013
C5	R2	D6	S1	0.009	0.0235	0.0113	-0.0105	0.010
C4	R2	D7	S1	0.0027	0.0337	0.0104	-0.0039	0.007
C3	R2	D8	S1	-0.0003	0.0246	0.0112	0.0074	0.005
C2	R2	D9	S1	-0.0004	0.0109	0.0064	0.0027	0.003
C1	R2	D10	S1	-0.0217	0.0555	-0.0057	0.0232	-0.014
C1	R3	D11	S1	-0.0009	0.0388	0.0134	0.0085	0.006
C2	R3	D12	S1	0.0054	0.0415	0.0114	0.0152	0.008
C3	R3	D13	S1	0.0078	0.0402	0.0159	0.0173	0.012

C4	R3	D14	S1	0.0128	0.0298	0.0239	0.0049	0.018
C5	R3	D15	S1	0.017	0.0516	0.0134	-0.0009	0.015
C6	R3	D16	S1	0.0002	0.04	0.0254	-0.0013	0.013
C6	R4	D17	S1	0.0005	0.0334	0.0188	0.0083	0.010
C5	R4	D18	S1	-0.0081	-0.0036	0.0053	-0.0168	-0.001
C4	R4	D19	S1	-0.0119	0.0045	0.0024	-0.0106	-0.005
C3	R4	D20	S1	-0.0033	0.0038	0.0065	-0.0183	0.002
C2	R4	D21	S1	-0.0023	0.0113	-0.0053	-0.0089	-0.004
C1	R4	D22	S1	-0.0174	0.0292	0.0006	0.01	-0.008
C1	R5	D23	S1	0.0051	0.0475	0.0137	0.0232	0.009
C2	R5	D24	S1	0.0106	0.0371	0.0141	0.0082	0.012
C3	R5	D25	S1	0.0019	0.0377	0.0072	-0.0009	0.005
C4	R5	D26	S1	0.011	0.0288	0.0225	-0.0003	0.017
C5	R5	D27	S1	0.0057	0.0345	0.0142	0.0065	0.010
C6	R5	D28	S1	0.0103	0.0322	0.026	0.005	0.018
C5	R6	D29	S1	0.0048	0.0369	0.0223	0.0032	0.014
C4	R6	D30	S1	0.0055	0.0547	0.0193	0.0203	0.012
C3	R6	D31	S1	0.0197	0.0402	0.0269	0.0151	0.023
C2	R6	D32	S1	0.0096	0.0446	0.0215	0.0317	0.016
				XI	YI	Xr	Yr	(XI+Xr)/2
				Average	0.003	0.030	0.015	0.002
				3sigma	0.027	0.046	0.029	0.041
				m +3sig	0.031	0.076	0.044	0.035
C2	R1	D1	S1	-0.0048	0.0449	0.0139	0.0022	0.005
C3	R1	D2	S1	0.0082	0.0147	0.0173	-0.0088	0.013
C4	R1	D3	S1	0.0144	0.0156	0.0158	-0.0065	0.015
C5	R1	D4	S1	0.0124	0.0097	0.0341	-0.0074	0.023
C6	R2	D5	S1	0.0019	0.0173	0.0248	-0.013	0.013
C5	R2	D6	S1	0.0034	-0.0007	0.0047	-0.0166	0.004
C4	R2	D7	S1	-0.0007	0.0206	0.0026	-0.0139	0.001
C3	R2	D8	S1	0.0031	0.008	0.0074	-0.0008	0.005
C2	R2	D9	S1	-0.0009	0.018	0.0039	0	0.002
C1	R2	D10	S1	-0.0249	0.0347	-0.0009	0.0079	-0.013
C1	R3	D11	S1	-0.0204	0.0432	0.0032	0.009	-0.009
C2	R3	D12	S1	-0.0038	0.0181	0.0051	0.0021	0.001
C3	R3	D13	S1	0.0038	0.0188	0.0162	-0.0107	0.010
C4	R3	D14	S1	0.0012	0.0141	0.0112	-0.0029	0.006
C5	R3	D15	S1	0.0131	0.0195	0.0109	-0.0215	0.012
C6	R3	D16	S1	0.0069	0.0194	0.0285	-0.0162	0.018
C6	R4	D17	S1	0.0117	0.0346	0.029	-0.0008	0.020
C5	R4	D18	S1	-0.0044	0.0189	0.0044	-0.0046	0.000
C4	R4	D19	S1	0.0007	0.0076	0.0027	-0.0091	0.002
C3	R4	D20	S1	-0.0067	0.0099	0.0031	-0.0059	-0.002
C2	R4	D21	S1	-0.0076	0.0183	-0.005	-0.0028	-0.006
C1	R4	D22	S1	-0.025	0.0332	-0.0065	0.0157	-0.016
C1	R5	D23	S1	-0.0073	0.0379	0.0014	0.0165	-0.003
C2	R5	D24	S1	-0.0017	0.0321	0.0084	0.005	0.003
C3	R5	D25	S1	0.0047	0.0211	0.0093	-0.0035	0.007
C4	R5	D26	S1	0.0036	0.0156	0.0151	-0.0122	0.009
C5	R5	D27	S1	0.0043	0.0269	0.0178	-0.004	0.011
C6	R5	D28	S1	0.0113	0.0274	0.03	-0.0083	0.021
C5	R6	D29	S1	0.0129	0.0252	0.0345	-0.0126	0.024
C4	R6	D30	S1	0.0106	0.028	0.0202	-0.003	0.015
C3	R6	D31	S1	0.0157	0.0156	0.0218	0.0027	0.019
C2	R6	D32	S1	-0.0031	0.029	0.0145	0.0132	0.006

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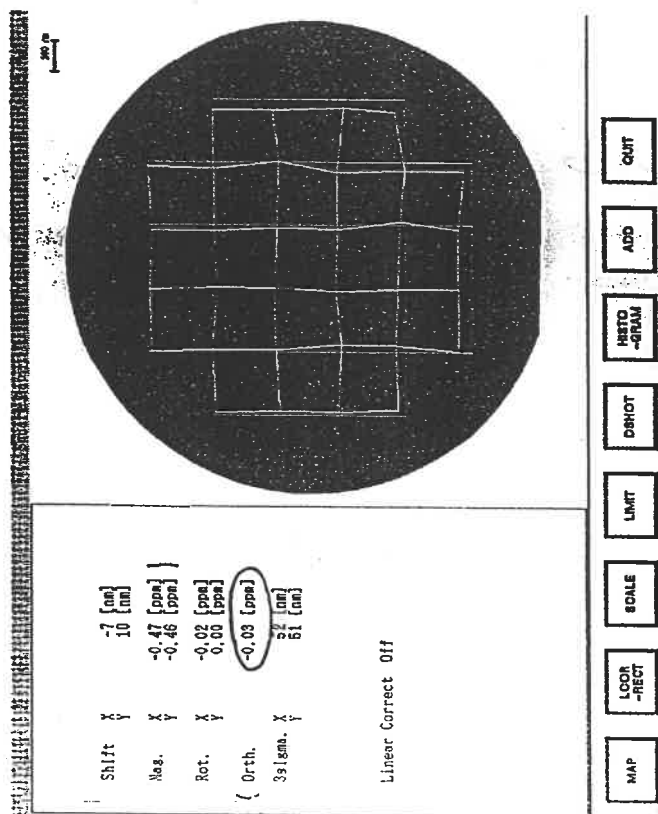
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.001	0.022	0.012	-0.003	0.007
			3sigma	0.031	0.032	0.033	0.028	0.030
			m +3sig	0.032	0.054	0.046	0.032	0.037
C1	R2	D10	S1	0.0072	0.0377	0.0211	0.0018	0.014
C1	R3	D11	S1	0.0177	0.0341	0.0258	-0.0011	0.022
C1	R4	D22	S1	0.0194	0.0222	0.0252	-0.0029	0.022
C1	R5	D23	S1	0.0147	0.0248	0.0342	-0.0004	0.024
C2	R1	D1	S1	0.0002	0.0289	0.02	0.0038	0.010
C2	R2	D9	S1	0.0025	0.0153	0.0093	-0.0123	0.006
C2	R3	D12	S1	0.0031	0.0274	0.0121	-0.0053	0.008
C2	R4	D21	S1	0.0059	0.0193	0.0154	0.0077	0.011
C2	R5	D24	S1	0.0121	0	0.0122	-0.0128	0.012
C2	R6	D32	S1	-0.0086	0.0548	0.0069	0.0214	-0.001
C3	R1	D2	S1	-0.0061	0.0274	0.0082	-0.0021	0.001
C3	R2	D8	S1	0.0019	0.0264	0.0061	0.0046	0.004
C3	R3	D13	S1	0	0.032	0.0157	0.0035	0.008
C3	R4	D20	S1	0.0084	0.0352	0.0165	0.0048	0.012
C3	R5	D25	S1	0.011	0.0311	0.0073	0	0.009
C3	R6	D31	S1	-0.0025	0.0346	0.0153	0.002	0.006
C4	R1	D3	S1	-0.0016	0.0357	0.0197	-0.0168	0.009
C4	R2	D7	S1	-0.009	0.0178	0.001	-0.0027	-0.004
C4	R3	D14	S1	-0.0068	0.015	-0.003	-0.0015	-0.005
C4	R4	D19	S1	-0.006	0.0116	-0.0006	-0.0105	-0.003
C4	R5	D26	S1	-0.0054	0.0282	0.0023	-0.0057	-0.002
C4	R6	D30	S1	-0.0189	0.0316	-0.0048	0.0141	-0.012
C5	R1	D4	S1	0.0048	0.0251	0.0157	0.0013	0.010
C5	R2	D6	S1	0.0055	0.0406	0.0111	0.0111	0.008
C5	R3	D15	S1	0.0105	0.0282	0.0126	-0.0147	0.012
C5	R4	D18	S1	0.0014	0.027	0.0038	0.0022	0.003
C5	R5	D27	S1	0.0011	0.0387	0.0106	-0.0098	0.006
C5	R6	D29	S1	0.0008	0.0274	0.0133	-0.0137	0.007
C6	R2	D5	S1	0.0029	0.0132	0.0228	-0.0279	0.013
C6	R3	D16	S1	-0.001	-0.0103	0.0075	-0.0389	0.003
C6	R4	D17	S1	0.0129	-0.0114	0.0159	-0.036	0.014
C6	R5	D28	S1	0.0021	-0.0221	0.0115	-0.041	0.007
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.003	0.023	0.012	-0.006	0.007
			3sigma	0.025	0.048	0.026	0.043	0.024
			m +3sig	0.028	0.072	0.038	0.049	0.031
C1	R2	D10	S1	0.002	0.0198	0.0209	-0.017	0.011
C1	R3	D11	S1	0.0076	0.0015	0.0193	-0.0237	0.013
C1	R4	D22	S1	0.0137	0.001	0.0165	-0.0285	0.015
C1	R5	D23	S1	0.0143	0.0079	0.028	-0.0163	0.021
C2	R1	D1	S1	0.0035	0.0091	0.0192	-0.0136	0.011
C2	R2	D9	S1	0	0.0013	0.0074	-0.0376	0.004
C2	R3	D12	S1	0.0014	0.0142	0.0064	-0.0197	0.004
C2	R4	D21	S1	0.0032	-0.0025	0.0058	-0.0206	0.005
C2	R5	D24	S1	-0.0019	-0.0071	0.0085	-0.0181	0.003
C2	R6	D32	S1	-0.0185	0.0286	0.0004	-0.0174	-0.009
C3	R1	D2	S1	-0.0154	-0.0031	0.0017	-0.0299	-0.007
C3	R2	D8	S1	-0.0016	-0.0209	0.0023	-0.0374	0.000
C3	R3	D13	S1	0.0014	-0.0072	0.0059	-0.0407	0.004
C3	R4	D20	S1	-0.0026	-0.0084	0.006	-0.0444	0.002
C3	R5	D25	S1	0.0118	-0.0016	0.0065	-0.0449	0.009

3/4

C3	R6	D31	S1	0.0035	0.0048	0.0142	-0.035	0.009
C4	R1	D3	S1	0.0036	0.0005	0.0223	-0.039	0.013
C4	R2	D7	S1	-0.0096	-0.0115	-0.0009	-0.0458	-0.005
C4	R3	D14	S1	-0.0054	-0.0164	0.0003	-0.0349	-0.003
C4	R4	D19	S1	-0.0072	-0.0046	-0.0025	-0.0326	-0.005
C4	R5	D26	S1	-0.0027	-0.0012	0.0044	-0.0338	0.001
C4	R6	D30	S1	-0.0167	-0.0113	-0.0044	-0.0324	-0.011
C5	R1	D4	S1	-0.0014	0.0249	0.0002	-0.0114	-0.001
C5	R2	D6	S1	-0.001	0.0036	0.0076	-0.0228	0.003
C5	R3	D15	S1	0.0014	0.0096	0.0099	-0.0292	0.006
C5	R4	D18	S1	0.0031	-0.0034	0.0133	-0.0292	0.008
C5	R5	D27	S1	0.0053	0.0028	0.0133	-0.0283	0.009
C5	R6	D29	S1	0.0139	-0.0046	0.021	-0.046	0.017
C6	R2	D5	S1	0.0097	-0.0192	0.0306	-0.057	0.020
C6	R3	D16	S1	0.0018	-0.0029	0.0159	-0.0375	0.009
C6	R4	D17	S1	0.0095	0.0151	0.019	-0.0131	0.014
C6	R5	D28	S1	-0.0025	0.0101	0.0113	-0.0189	0.004
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.001	0.001	0.010	-0.030	0.006
			3sigma	0.025	0.035	0.027	0.034	0.024
			m +3sig	0.025	0.036	0.037	0.064	0.030
				XI	YI	Xr	Yr	(XI+Xr)/2
			Average	0.001	0.018	0.012	-0.009	0.006
			3sigma	0.028	0.050	0.030	0.051	0.027
			m +3sig	0.029	0.068	0.042	0.060	0.033
			Stepper1 to Stepper5 Day 3					

5. X-Y stage Orthogonality

Orthogonality test
 (90°)
 ok



XY stage accuracy w/fer 1
S5XYSTW1.R01

5a

#1

SYSTEM		IVS-1				
Device-CANON Level-PREACCEP Job Plan-XYSTACC Lot #S5XYSTW1						
Thu Aug 03 16:52:43 1995						
SLOT 3						
WAFER ID:			xx	xy	yx	yy
C1	R1	D1	0.016	-0.0192	0.0114	0.0168
C2	R1	D2	0.0207	-0.0174	0.0044	0.0158
C3	R1	D3	0.0206	-0.0217	0.0082	0.006
C4	R1	D4	0.0229	-0.014	0.007	0.0029
C5	R1	D5	0.021	-0.023	0.0085	0.0061
C6	R1	D6	0.0191	-0.0266	0.0115	0.0049
C7	R1	D7	0.0225	-0.0076	0.0053	-0.0024
C7	R2	D8	0.02	-0.027	0.0155	0.022
C6	R2	D9	0.0287	-0.01	0.0184	0.0129
C5	R2	D10	0.0182	-0.0167	0.0177	0.009
C4	R2	D11	0.0267	-0.0201	0.0143	0.0048
C3	R2	D12	0.0229	-0.0113	0.015	0.0064
C2	R2	D13	0.0244	-0.0187	0.0095	0.0001
C1	R2	D14	0.0222	-0.0188	0.0186	0.0087
C1	R3	D15	0.0278	-0.0186	0.0001	0.0259
C2	R3	D16	0.0228	-0.0186	0.0048	0.0265
C3	R3	D17	0.0233	-0.0155	0	0.0155
C4	R3	D18	0.0255	-0.0222	0.0007	0.016
C5	R3	D19	0.0214	-0.0199	0.0067	0.0132
C6	R3	D20	0.0271	-0.0134	0.0022	0.0028
C7	R3	D21	0.0226	-0.023	0.0086	0.0116
C7	R4	D22	0.023	-0.0213	0.0151	0.0205
C6	R4	D23	0.0245	-0.0229	0.019	0.0305
C5	R4	D24	0.0176	-0.0171	0.0167	0.0207
C4	R4	D25	0.0286	-0.0157	0.0149	0.0243
C3	R4	D26	0.0222	-0.01	0.0164	0.0146
C2	R4	D27	0.0236	-0.0082	0.0159	0.0156
C1	R4	D28	0.0203	-0.0125	0.0147	0.0246
C1	R5	D29	0.0261	-0.0056	0.0029	0.0121
C2	R5	D30	0.0176	-0.0138	0.0034	0.0124
C3	R5	D31	0.0254	-0.0335	0.0075	0.0312
C4	R5	D32	0.0265	-0.0098	0.0057	0.0165
C5	R5	D33	0.0231	-0.0334	0.0031	0.0227
C6	R5	D34	0.0241	-0.0135	0.0005	0.0043
C7	R5	D35	0.0261	-0.0226	0.0017	0.0211
C7	R6	D36	0.0274	-0.0127	0.0115	0.0201
C6	R6	D37	0.0229	-0.0303	0.0154	0.039
C5	R6	D38	0.0242	-0.0138	0.0086	0.0153
C4	R6	D39	0.0303	-0.029	0.0123	0.0281
C3	R6	D40	0.0245	-0.0071	0.0039	0.007
C2	R6	D41	0.018	-0.0279	0.0128	0.0262
C1	R6	D42	0.0241	-0.0098	0.0111	0.0036
C1	R7	D43	0.0248	-0.0333	0.0071	0.0404
C2	R7	D44	0.0276	-0.0046	0.0098	0.0156
C3	R7	D45	0.0249	-0.028	0.0098	0.031
C4	R7	D46	0.0301	-0.0082	0.0058	0.0165
C5	R7	D47	0.0215	-0.0346	0.006	0.0283
C6	R7	D48	0.024	-0.0146	0.0021	0.005
C7	R7	D49	0.022	-0.0135	0.0042	0.017
Average			0.023	-0.018	0.009	0.016
3sig			0.010	0.024	0.017	0.030

XY-stage accuracy wafer 2.
 (5A)
 #2

SYSTEM		IVS-1				
Device-CANON Level-PREACCEP Job Plan-XYSTACC Lot #-S5XYSTW1						
Thu Aug 03 16:52:43 1995						
SLOT 3						
WAFER_ID:			xx	xy	yx	yy
C1	R1	D1	0.0281	-0.0235	0.006	0.031
C2	R1	D2	0.0258	-0.0055	0.0089	0.0338
C3	R1	D3	0.0245	-0.0152	0.0042	0.0344
C4	R1	D4	0.0354	-0.0188	0.0063	0.0241
C5	R1	D5	0.0245	-0.0312	0.0129	0.024
C6	R1	D6	0.0335	-0.0189	0.0057	0.0238
C7	R1	D7	0.032	-0.0154	0.0122	0.0273
C7	R2	D8	0.03	-0.0279	0.0107	0.0263
C6	R2	D9	0.0274	-0.0175	0.0185	0.0204
C5	R2	D10	0.0305	-0.0265	0.0127	0.0251
C4	R2	D11	0.0267	-0.0196	0.0142	0.0294
C3	R2	D12	0.0353	-0.0022	0.0112	0.0204
C2	R2	D13	0.024	-0.0159	0.0171	0.0203
C1	R2	D14	0.0311	-0.0142	0.0171	0.0161
C1	R3	D15	0.0302	-0.0232	0.0039	0.0296
C2	R3	D16	0.0299	-0.0168	0.0057	0.0297
C3	R3	D17	0.0351	-0.0181	0.001	0.0241
C4	R3	D18	0.0316	-0.0116	0.0056	0.015
C5	R3	D19	0.0225	-0.025	0.0052	0.0285
C6	R3	D20	0.0236	-0.026	-0.0009	0.0181
C7	R3	D21	0.0277	-0.027	0.0027	0.012
C7	R4	D22	0.0312	-0.0244	0.0158	0.0411
C6	R4	D23	0.0299	-0.0203	0.0142	0.027
C5	R4	D24	0.0313	-0.0178	0.0099	0.0329
C4	R4	D25	0.0361	-0.0189	0.0121	0.042
C3	R4	D26	0.0295	-0.012	0.0169	0.0244
C2	R4	D27	0.0385	-0.0143	0.0034	0.035
C1	R4	D28	0.0315	-0.014	0.0109	0.0234
C1	R5	D29	0.0363	-0.0336	0.0004	0.0429
C2	R5	D30	0.0318	-0.0055	0.005	0.0154
C3	R5	D31	0.0278	-0.028	0.0091	0.0427
C4	R5	D32	0.0315	-0.0086	0.0111	0.0084
C5	R5	D33	0.031	-0.0115	0.0057	0.0338
C6	R5	D34	0.027	-0.0295	0.0042	0.0356
C7	R5	D35	0.0267	-0.0202	0.0022	0.0207
C7	R6	D36	0.0322	-0.0354	0.0198	0.0486
C6	R6	D37	0.0299	-0.0107	0.0142	0.0352
C5	R6	D38	0.0364	-0.0014	0.0142	0.0309
C4	R6	D39	0.0365	-0.0321	0.011	0.0262
C3	R6	D40	0.0298	0.0022	0.0101	0.0262
C2	R6	D41	0.0275	-0.033	0.0135	0.0421
C1	R6	D42	0.0369	-0.0078	0.0175	0.0165
C1	R7	D43	0.0414	-0.0287	-0.0004	0.0475
C2	R7	D44	0.0253	-0.0101	0.0101	0.0218
C3	R7	D45	0.0287	-0.006	0.01	0.0326
C4	R7	D46	0.0358	-0.0333	0.0047	0.0391
C5	R7	D47	0.0344	-0.0074	0.0064	0.0142
C6	R7	D48	0.0292	-0.0291	0.0032	0.0374
C7	R7	D49	0.0365	-0.0127	0.0051	0.0131
		Average	0.031	-0.018	0.009	0.028
		3sig	0.013	0.029	0.016	0.029

SYSTEM		IVS-1				
Device-CANON Level-PREACCEP Job Plan-XYSTACC Lot #-S5XYSTW3						
Thu Aug 03 17:12:40 1995						
SLOT 3						
WAFER ID:			xx	xy	yx	yy
C1	R1	D1	0.0281	-0.0253	0.0091	0.043
C2	R1	D2	0.0383	-0.0127	0.0025	0.0376
C3	R1	D3	0.034	-0.0142	0.0073	0.0433
C4	R1	D4	0.0349	-0.0231	0.0059	0.0348
C5	R1	D5	0.0293	-0.0185	0.0083	0.0291
C6	R1	D6	0.0328	-0.0176	0.009	0.032
C7	R1	D7	0.0379	-0.0226	0.0098	0.0316
C7	R2	D8	0.0306	-0.0324	0.0179	0.0426
C6	R2	D9	0.0352	-0.0189	0.0208	0.0397
C5	R2	D10	0.0345	-0.0244	0.0136	0.0317
C4	R2	D11	0.0385	-0.0095	0.0182	0.0242
C3	R2	D12	0.0337	-0.0052	0.0148	0.0218
C2	R2	D13	0.04	-0.0216	0.0068	0.0218
C1	R2	D14	0.0331	-0.0148	0.0172	0.0272
C1	R3	D15	0.0401	-0.0107	0.0042	0.0353
C2	R3	D16	0.0309	-0.0179	0.0053	0.0413
C3	R3	D17	0.0334	-0.0136	0.0066	0.0408
C4	R3	D18	0.036	-0.0231	0.0085	0.0454
C5	R3	D19	0.0301	-0.0283	0.0108	0.0314
C6	R3	D20	0.0359	-0.0257	0.0079	0.0256
C7	R3	D21	0.0274	-0.0159	0.0084	0.0232
C7	R4	D22	0.038	-0.0211	0.0173	0.0463
C6	R4	D23	0.0357	-0.0173	0.0143	0.033
C5	R4	D24	0.0361	-0.0261	0.0188	0.0414
C4	R4	D25	0.0304	-0.0039	0.0116	0.0397
C3	R4	D26	0.0331	-0.0184	0.0168	0.0302
C2	R4	D27	0.0307	-0.0143	0.0201	0.0366
C1	R4	D28	0.0423	-0.0207	0.0076	0.0293
C1	R5	D29	0.0348	-0.0302	0.0039	0.046
C2	R5	D30	0.038	-0.0069	0.007	0.0311
C3	R5	D31	0.0342	-0.0297	0.0057	0.0511
C4	R5	D32	0.0375	-0.0094	0.0068	0.0219
C5	R5	D33	0.0377	-0.0175	0.0023	0.0227
C6	R5	D34	0.03	-0.0288	0.0058	0.0403
C7	R5	D35	0.0374	-0.0175	0.0003	0.0151
C7	R6	D36	0.0353	-0.0312	0.009	0.055
C6	R6	D37	0.0363	-0.0086	0.0151	0.0303
C5	R6	D38	0.0348	-0.0342	0.0087	0.0549
C4	R6	D39	0.0395	-0.0089	0.0139	0.0371
C3	R6	D40	0.0361	-0.0064	0.0088	0.0281
C2	R6	D41	0.0335	-0.0282	0.013	0.0413
C1	R6	D42	0.0334	-0.005	0.0122	0.0212
C1	R7	D43	0.0316	-0.0317	0.0118	0.0559
C2	R7	D44	0.0377	-0.0151	0.0097	0.0337
C3	R7	D45	0.0329	-0.0126	0.0137	0.0526
C4	R7	D46	0.0443	-0.0272	0.0047	0.0441
C5	R7	D47	0.0323	-0.0085	0.0112	0.0281
C6	R7	D48	0.0375	-0.0307	-0.0005	0.0474
C7	R7	D49	0.0348	-0.0085	0.0081	0.0243
		Average	0.035	-0.019	0.010	0.036
		3sig	0.011	0.025	0.015	0.030

FPA3000i4, #1 Prealignment Accuracy

	XL	YL	XR	YR	(XL+XR)/2
1	0.00362	0.001599	0.001028	0.008458	0.002324
2	0.003361	0.001357	0.003936	-0.00113	0.0036485
3	0.003385	0.000789	0.000859	0.007942	0.002122
4	0.000425	0.000883	0.001541	-0.003275	0.000983
5	0.000836	-0.002015	0.001526	-0.00431	0.001181
6	0.001991	-0.000591	0.001645	0.000245	0.001818
7	0.002099	0.000617	0.001986	0.000203	0.0020425
8	0.001143	0.0004	0.001027	0.000289	0.001085
9	0.000867	-0.002379	0.001107	-0.003632	0.000987
10	0.000614	-0.000518	0.000867	-0.002379	0.0007405
11	0.000965	-0.001904	0.000755	-0.001936	0.00086
12	0.001141	0.000372	0.000942	0.000188	0.0010415
13	0.003244	0.0001676	0.000864	0.008005	0.002054
14	-0.000313	-0.001055	-0.002194	0.0003624	-0.0012535
15	0.001507	-0.001142	0.001317	-0.000442	0.001412
16	-0.00147	0.00028	0.000063	-0.00117	-0.0007035
17	0.001286	0.000154	0.00977	-0.002587	0.005528
18	0.00837	-0.001775	0.000948	-0.003394	0.004659
19	0.000268	-0.002098	-0.000611	-0.000556	-0.0001715
20	0.000843	-0.000914	0.000268	-0.002098	0.0005555
3S		3.664987736		11.44717059	4.899559395

FPA3000i4,#1 Optical EBR accuracy

		x	x	delta
1 mm setting	left	73.63005	74.58798	0.95793
	right	73.58003	74.52805	0.94802
	bottom	70.24017	69.27828	0.96189
	Max error			0.06
6 mm setting	left	74.60612	68.68603	5.92009
	right	69.2743	75.1843	5.91
	bottom	68.64001	74.52005	5.88004
	Max error			0.12

EBR Accuracy		FPA3000i4 #1 Alcatel Mietec		
1 mm				
	Left	Right	OF	
Outside	74.588	-74.528	-70.240	
Inside	73.630	-73.580	-69.278	
Width	0.958	0.948	0.962	
Accuracy	-0.042	-0.052	-0.038	
			Unit (mm)	
3 mm				
	Left	Right	OF	
Outside	74.589	-74.524	-72.260	
Inside	71.630	-71.610	-69.285	
Width	2.959	2.914	2.975	
Accuracy	-0.041	-0.086	-0.025	
			Unit (mm)	
6 mm				
	Left	Right	OF	
Outside	74.606	-74.520	-75.184	
Inside	68.686	-68.640	-69.274	
Width	5.920	5.880	5.910	
Accuracy	-0.080	-0.120	-0.090	
			Unit (mm)	

Canon3000i4#1, Particle test

1. Starting wafers

Wafer	0.3-0.5	0.5-1	1 -> 2	2 -> 4	4 -> 6	6 ->7.7	Total
1	0	0	0	1	1	0	2
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
5	1	0	0	0	0	0	1
6	0	0	0	0	0	0	0
7	0	1	0	1	0	0	2
8	0	0	0	0	0	0	0
9	0	0	0	1	0	0	1
10	0	0	0	0	0	0	0

2. After processing

	0.3-0.5	0.5-1	1 -> 2	2 -> 4	4 -> 6	6 ->7.7	Total	Delta	
1	0	0	0	1	1	0	2	0	Reference
2	0	0	0	0	0	0	0	0	Reference
3	0	0	0	0	0	0	0	0	Reference
4	0	0	0	0	0	0	0	0	Reference
5	0	1	0	0	0	0	1	0	Reference
6	0	1	0	0	0	0	1	1	Through stepper
7	0	0	1	1	0	0	2	0	Through stepper
8	0	0	0	0	0	0	0	0	Through stepper
9	0	0	0	1	0	0	1	0	Through stepper
10	1	0	0	0	0	0	1	1	Through stepper

Total added 2

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i4>tpd^M
^M

.08.16^M
FPA-3000 i4 stepper5^M
Tilt Compensation Mode Die by Die ^M

^M

PHJ^M	wno	-	uoload_wafer	load_wafer	tv_pre_align	aga	index [ms]	throughput[W
^M	1,		4118,	31322,	3637,	81526,	147088^M	
	2,		4128,	6780,	2174,	11365,	51250,	70.2^M
	3,		4117,	6752,	1941,	11289,	49341,	72.9^M
	4,		4129,	6822,	1824,	10953,	51330,	70.1^M
	5,		4123,	6804,	1871,	11018,	50949,	70.6^M

^M
^M

wno	sno	-	step	####	####	sf_posi	focus	expo	shot [ms]^M
1,	2,		592,	0,	0,	99,	61,	152,	744^M
1,	1,		337,	0,	0,	63,	57,	153,	490^M
1,	3,		480,	0,	0,	110,	60,	154,	634^M
1,	4,		364,	0,	0,	95,	63,	151,	515^M
1,	5,		327,	0,	0,	58,	44,	154,	481^M
1,	6,		347,	0,	0,	67,	40,	150,	497^M
1,	7,		357,	0,	0,	89,	59,	149,	506^M
1,	8,		517,	0,	0,	248,	59,	151,	668^M
1,	9,		586,	0,	0,	314,	55,	152,	738^M
1,	10,		566,	0,	0,	296,	53,	151,	717^M
1,	11,		751,	0,	0,	477,	67,	150,	901^M
1,	12,		361,	0,	0,	82,	43,	155,	516^M
1,	13,		375,	0,	0,	72,	53,	153,	528^M
1,	14,		387,	0,	0,	116,	61,	152,	539^M
1,	15,		410,	0,	0,	141,	58,	152,	562^M
1,	16,		417,	0,	0,	147,	50,	151,	568^M
1,	17,		547,	0,	0,	278,	59,	153,	700^M
1,	18,		355,	0,	0,	85,	53,	151,	506^M
1,	19,		335,	0,	0,	61,	52,	150,	485^M
1,	20,		395,	0,	0,	114,	54,	151,	546^M
1,	21,		356,	0,	0,	86,	66,	149,	505^M
1,	22,		344,	0,	0,	69,	56,	149,	493^M
1,	23,		344,	0,	0,	75,	49,	156,	500^M
1,	24,		406,	0,	0,	137,	58,	151,	557^M
1,	25,		347,	0,	0,	72,	53,	150,	497^M
1,	26,		579,	0,	0,	301,	56,	150,	729^M
1,	27,		367,	0,	0,	86,	58,	153,	520^M
1,	28,		369,	0,	0,	98,	63,	150,	519^M
1,	29,		340,	0,	0,	69,	51,	152,	492^M
1,	30,		450,	0,	0,	178,	58,	153,	603^M
1,	31,		376,	0,	0,	104,	55,	152,	528^M
1,	32,		544,	0,	0,	272,	51,	151,	695^M
1,	33,		493,	0,	0,	221,	54,	152,	646^M
1,	34,		377,	0,	0,	89,	47,	151,	528^M
1,	35,		409,	0,	0,	138,	62,	149,	558^M
1,	36,		629,	0,	0,	357,	57,	154,	783^M
1,	37,		568,	0,	0,	296,	53,	153,	721^M
1,	38,		374,	0,	0,	102,	58,	150,	524^M
1,	39,		378,	0,	0,	105,	56,	149,	527^M
1,	40,		497,	0,	0,	224,	47,	151,	648^M
1,	41,		347,	0,	0,	65,	34,	151,	498^M
1,	42,		369,	0,	0,	97,	62,	151,	520^M
1,	43,		681,	0,	0,	409,	68,	152,	833^M
1,	44,		431,	0,	0,	158,	70,	150,	581^M
1,	45,		386,	0,	0,	114,	46,	24690,	25076^M

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i4>tpd^M
^M

95

.08.16^M

FPA-3000 i4 stepper5^M

Tilt Compensation Mode Bypass ^M

^M
wno - uload_wafer load_wafer tv_pre_align aga index [ms] throughput[M
PH]^M

	1,	2,	3,	4,	5,	
	4140,	30510,	3684,	49051,	114790^M	
	4115,	6784,	1791,	10951,	49126,	73.2^M
	4115,	6946,	1971,	12403,	50339,	71.5^M
	4128,	6770,	1839,	10691,	48907,	73.6^M
	4130,	7089,	1717,	10633,	49353,	72.9^M

wno	sno	- step	####	####	sf_posi	focus	expo	shot [ms]^M
1,	2,	778,	0,	0,	94,	65,	153,	931^M
1,	1,	635,	0,	0,	361,	51,	150,	785^M
1,	3,	486,	0,	0,	116,	57,	151,	637^M
1,	4,	324,	0,	0,	55,	53,	153,	477^M
1,	5,	576,	0,	0,	306,	55,	153,	729^M
1,	6,	353,	0,	0,	73,	49,	151,	504^M
1,	7,	330,	0,	0,	61,	57,	150,	480^M
1,	8,	409,	0,	0,	139,	49,	150,	559^M
1,	9,	331,	0,	0,	63,	44,	149,	480^M
1,	10,	346,	0,	0,	76,	52,	151,	497^M
1,	11,	340,	0,	0,	65,	42,	150,	490^M
1,	12,	564,	0,	0,	285,	39,	152,	716^M
1,	13,	377,	0,	0,	96,	56,	151,	528^M
1,	14,	339,	0,	0,	69,	44,	150,	489^M
1,	15,	619,	0,	0,	349,	42,	153,	772^M
1,	16,	338,	0,	0,	66,	50,	151,	489^M
1,	17,	365,	0,	0,	96,	45,	149,	514^M
1,	18,	504,	0,	0,	233,	51,	151,	655^M
1,	19,	663,	0,	0,	389,	41,	149,	812^M
1,	20,	331,	0,	0,	50,	48,	150,	481^M
1,	21,	342,	0,	0,	72,	53,	151,	493^M
1,	22,	606,	0,	0,	332,	45,	150,	756^M
1,	23,	622,	0,	0,	352,	48,	150,	772^M
1,	24,	323,	0,	0,	53,	42,	153,	476^M
1,	25,	411,	0,	0,	136,	48,	152,	563^M
1,	26,	682,	0,	0,	404,	50,	151,	833^M
1,	27,	390,	0,	0,	109,	49,	151,	541^M
1,	28,	367,	0,	0,	96,	49,	154,	521^M
1,	29,	364,	0,	0,	93,	42,	150,	514^M
1,	30,	702,	0,	0,	431,	45,	153,	856^M
1,	31,	541,	0,	0,	269,	42,	150,	691^M
1,	32,	547,	0,	0,	275,	47,	151,	698^M
1,	33,	380,	0,	0,	107,	44,	153,	533^M
1,	34,	377,	0,	0,	89,	53,	152,	529^M
1,	35,	503,	0,	0,	232,	55,	152,	655^M
1,	36,	472,	0,	0,	200,	41,	152,	624^M
1,	37,	356,	0,	0,	83,	41,	150,	506^M
1,	38,	358,	0,	0,	88,	50,	153,	511^M
1,	39,	616,	0,	0,	344,	46,	153,	769^M
1,	40,	759,	0,	0,	487,	39,	154,	914^M
1,	41,	386,	0,	0,	105,	43,	151,	537^M
1,	42,	337,	0,	0,	65,	47,	151,	488^M
1,	43,	369,	0,	0,	98,	47,	151,	520^M
1,	44,	332,	0,	0,	60,	52,	153,	485^M
1,	45,	342,	0,	0,	70,	49,	23919,	24261^M

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