SERVICE CONSORTIUM, INC.
FOCUS DATA SHEET (Vertical Tilt)

Sheet No __________ of ____________
System No. ____________________
Location ____________________

SCi Form M6FDSV (03/01)

System S/N ______________
Chuck S/N ______________
Date ____________________
Time ____________________
Mask S/N ______________
Inlet Air Temp ____________
Reader __________________
Flat ☐ **Wedge** ☐
Exposure/Apt ____________

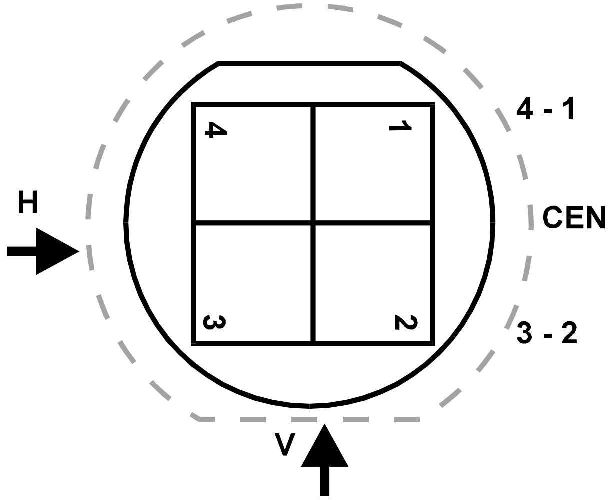
Opcode 11

Parameter	**S**	**H**	**V**
Current			
New			

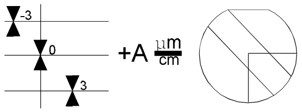
Mask:
1 - 4 to front of machine.

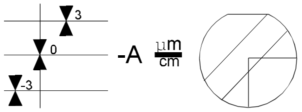
Wafer:
(100mm/125mm)
Flat to top of the microscope stage
(150m)
Flat to bottom of the microscope stage

Lines:
1.5 µm ☐
2.0 µm ☐
3.0 µm ☐

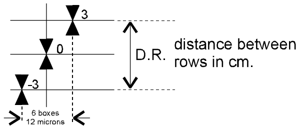


Opcode 11
second parameter adjustment



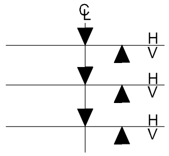


Correction Factor - C.F. (example)



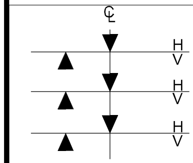
$$\text{C.F.} = \frac{12\mu\text{m}}{5\text{cm}} = -\text{A}\,\frac{\mu\text{m}}{\text{cm}} = -2.4$$

ASTIGMATISM



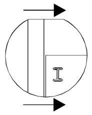
For each micron of astigmatism:

Kamen Guage
Move LZ pos 17 microns
Move RZ neg 17 microns
-003 System
Rotate Mic 1 cw 7.5
Rotate Mic 3 ccw 7.5



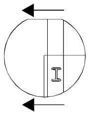
For each micron of astigmatism:

Kamen Guage
Move LZ neg 17 microns
Move RZ pos 17 microns
-003 System
Rotate Mic 1 ccw 7.5
Rotate Mic 3 cw 7.5



2 µm shift per box

℄



Outside Focus (away from gauge head) ▬

⊞ Inside Focus (towards gauge head)

4-1

	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
→ H																																			
↑ V																																			

C

	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
→ H																																			
↑ V																																			

3-2

	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
→ H																																			
↑ V																																			