

**Table 1**  
Comparison of Fiducial Positions

Degree Rotation	File	Description	X Fiducial Offset (1)	X Fiducial Offset (2)	Y Fiducial Offset (1)	Y Fiducial Offset (2)
0	dimsun_ideal	Ideal Fiducial Positions	0	0	0	0
	dimsun1	Real solar image	0	0	0	0
	gauss1pix displacement	Gaussian blur applied to ideal fiducials	0	0	0	0
1	dimsun_ideal	Artificially blurred fiducials	0	0	0	0
	dimsun1		0	0	0	0
	gauss1pix displacement		0	0	0	0
2	dimsun_ideal		0	0	0	0
	dimsun1		0	0	0	0
	gauss1pix displacement		0	0	0	0
3	dimsun_ideal		0	0	0	0
	dimsun1		-1	-20	-1	-1
	gauss1pix displacement		0	0	0	0
4	dimsun_ideal		-1	-20	-1	-20
	dimsun1		-1	-20	-1	-1
	gauss1pix displacement		-1	-20	+19	0
5	dimsun_ideal		-1	-20	-1	-20
	dimsun1		0	0	+19	+1
	gauss1pix displacement		-1	-1	-1	-20
			0	-1	0	0

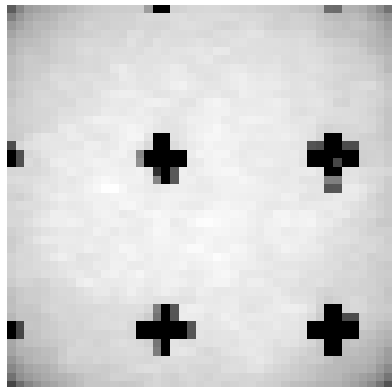
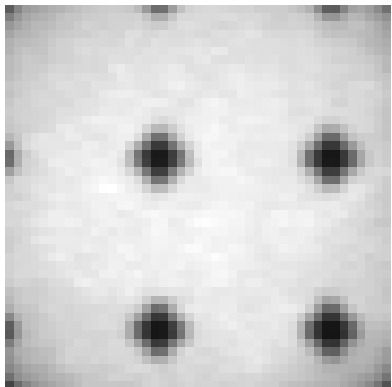
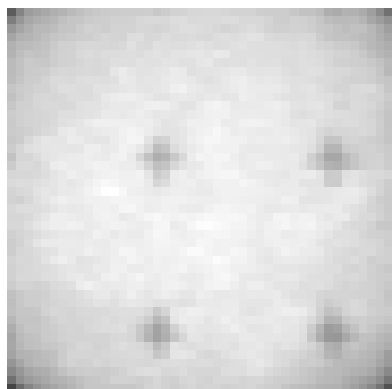
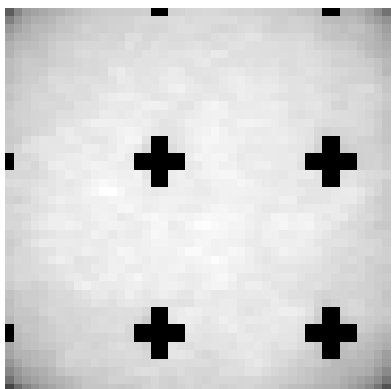


Figure 1: No rotation

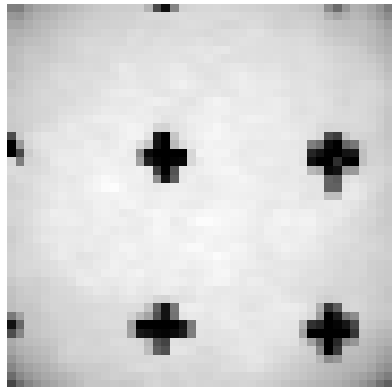
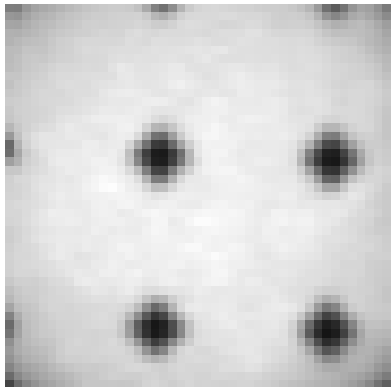
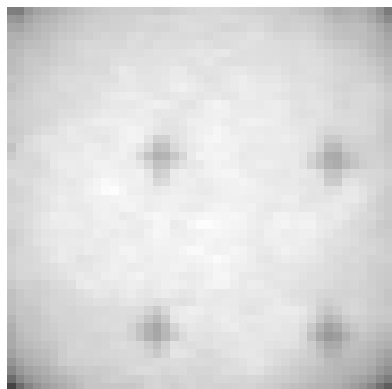
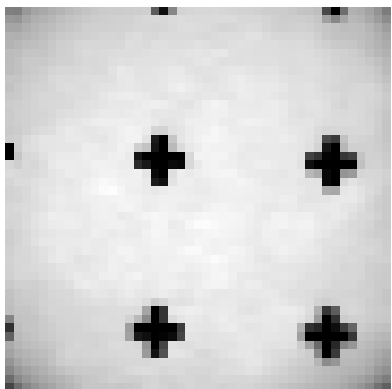


Figure 2: 1 Degree rotation

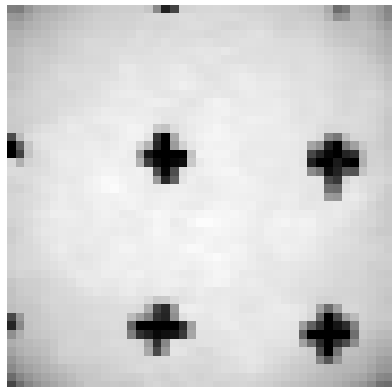
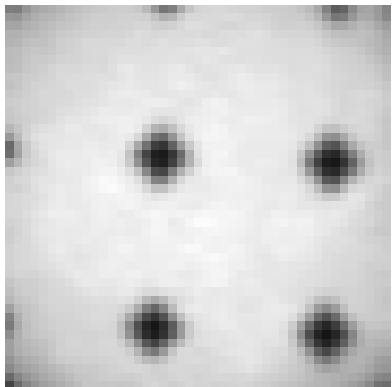
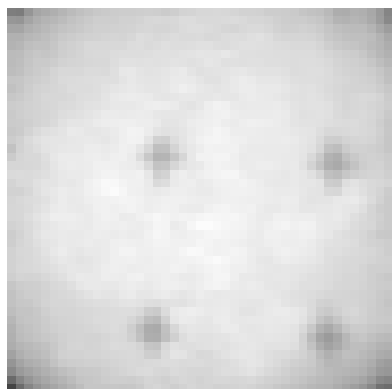
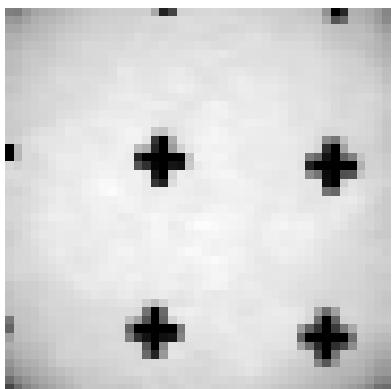


Figure 3: 2 Degree rotation

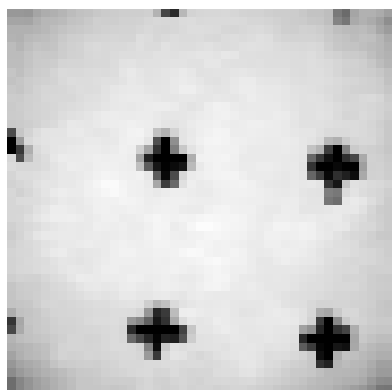
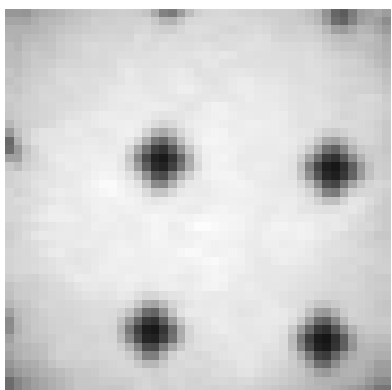
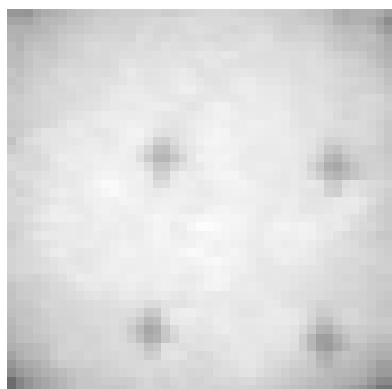
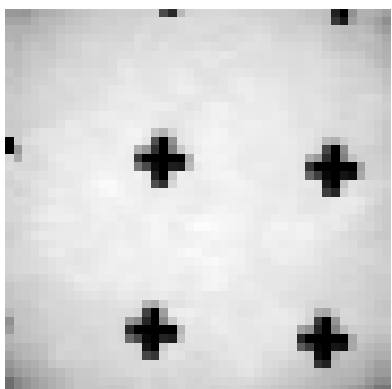


Figure 4: 3 Degree rotation

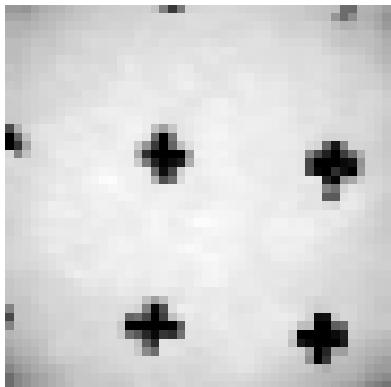
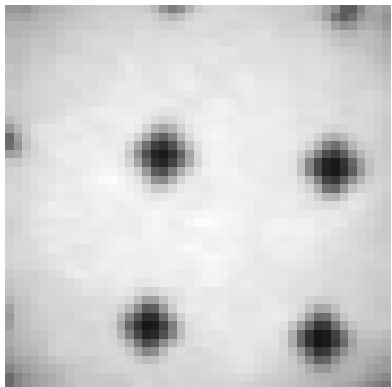
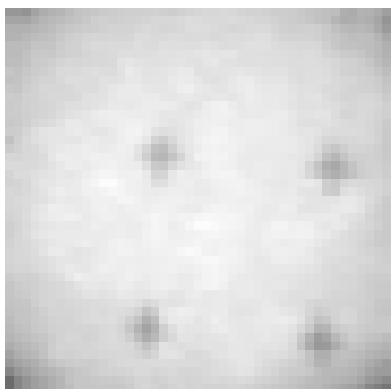
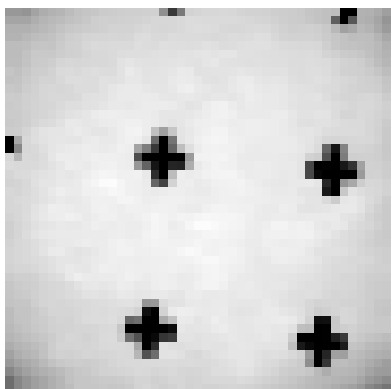


Figure 5: 4 Degree rotation

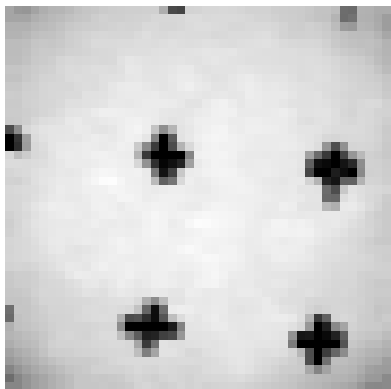
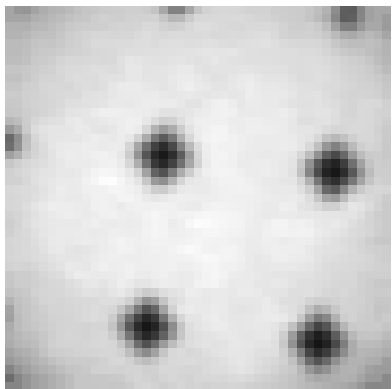
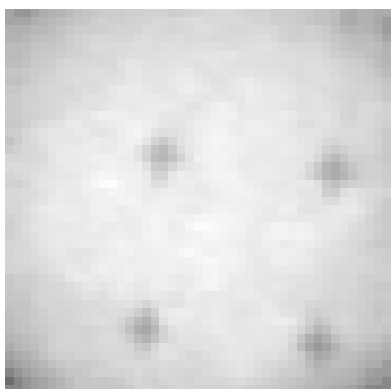
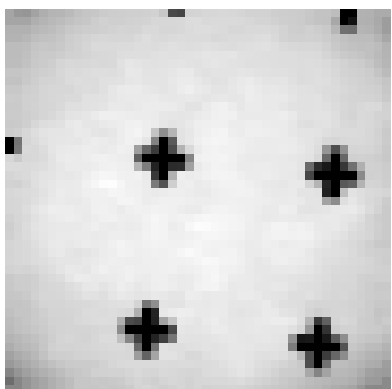


Figure 6: 5 Degree rotation