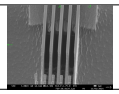
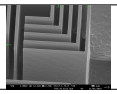
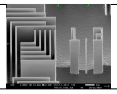
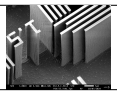
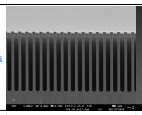
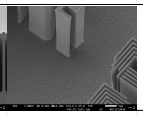
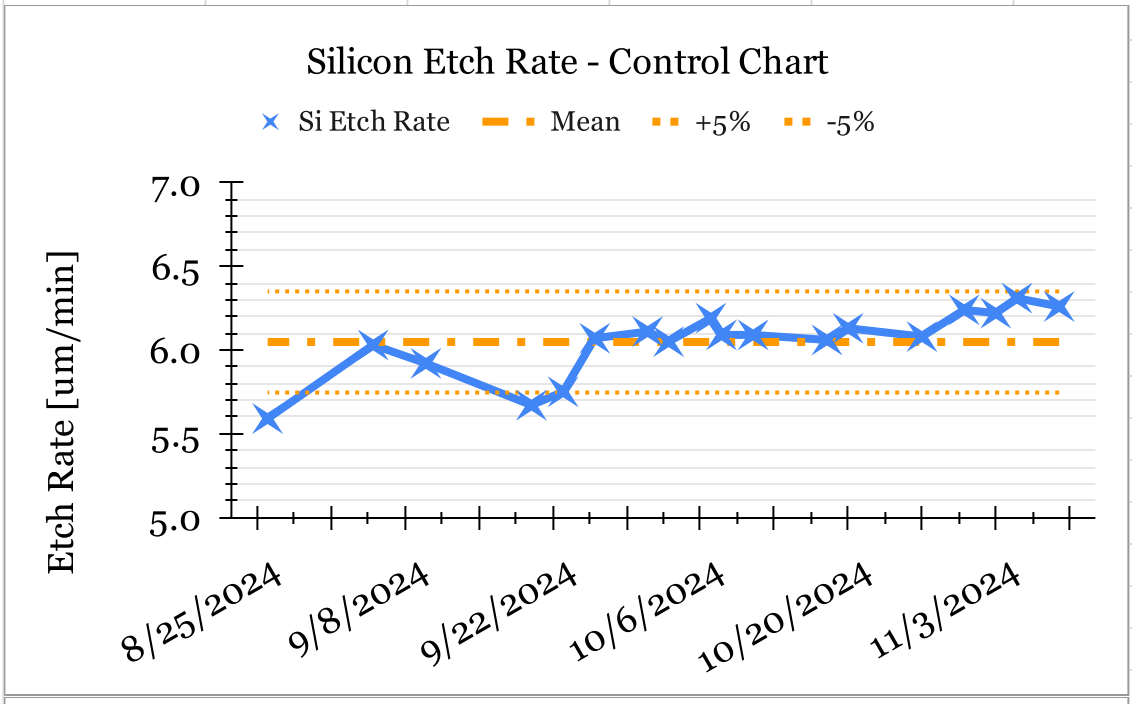
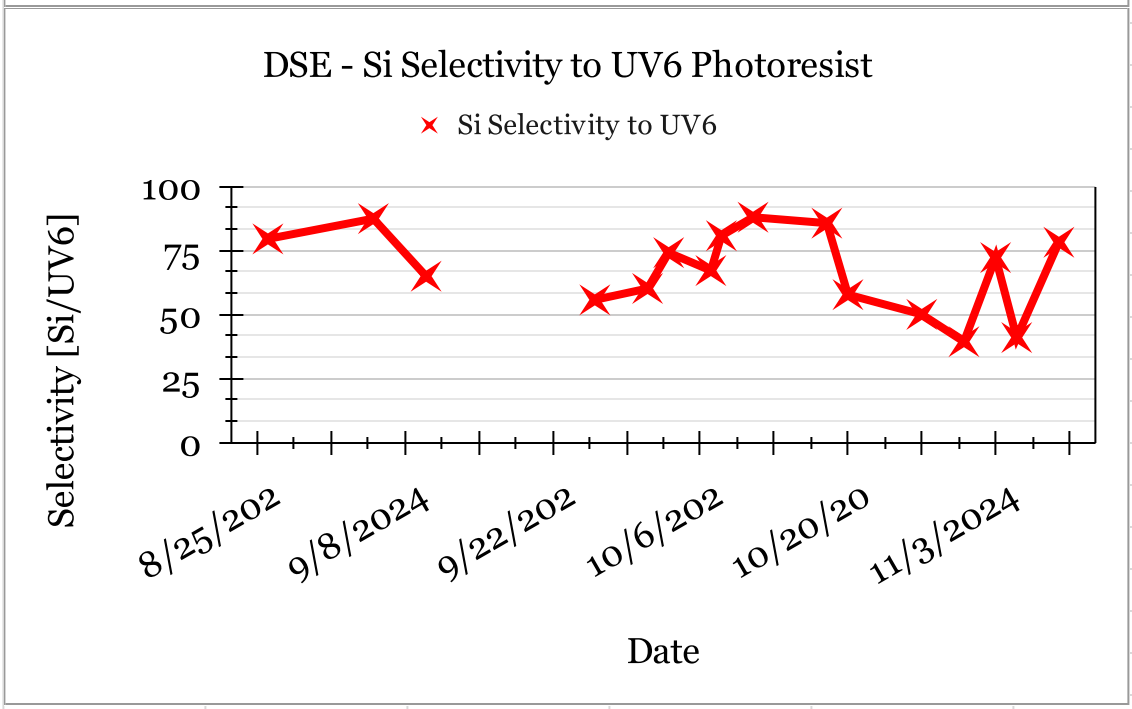
	Dep - 25mTorr, C4F7/Ar=150/30sccm, LF Bias/ICP=11/2000W, 2s Etch A - 40mTorr, SF6/Ar=150/30sccm, LF Bias/ICP=200/2000W, 2s Etch B - 60mTorr, SF6/Ar=250/30sccm, LF Bias/ICP=11/2000W, 2s ~50% Open area on 4" wafer			65 cycles			
Date (link to data)	Sample #	Center Dektak Etch Rate (um/min)	Center Selectivity (Si/UV6)	Observations/Notes	Link to SEMs	Cross Section SEM	Sidewall SEM
	INSERT NEW DATA BELOW THIS ROW						
11/09/24	241109DSE-Si	6.26	78.21				
11/05/24	241105DSE-Si	6.31	41.02				
11/03/24	241103DSE-Si	6.22	72.23				
10/31/24	241031DSE-Si	6.24	39.41		SEM		
10/27/24	241027DSE-Si	6.08	50.06				
10/20/24	241020DSE-Si	6.13	57.77				
10/18/24	241018DSE-Si	6.06	85.67				
10/11/24	241011DSE-Si	6.09	87.98		SEMs		
10/08/24	241008DSE-Si	6.09	80.76				
10/07/24	241007DSE-Si	6.19	67.16		SEMs		
10/03/24	241003DSE-Si	6.05	74.15				
10/01/24	241001DSE-Si	6.11	60.17				
09/26/24	240926DSE-Si	6.07	55.73				
09/23/24	240923DSE-Si	5.75		Ashed using YES asher, did not record selectivity			
09/20/24	240920DSE-Si	5.67		one of first runs after DSE came back up with brand new process chamber wall			
09/10/24	240910DSE-Si	5.92	64.96				
09/05/24	240905DSE-Si	6.03	87.43				
08/26/24	240826DSE-Si	5.59	79.52	initial development run	8/26/24 SEMs		

2024-08-25: New DSE EtchCals created and started logging. (Noah Dutra)





Filter Data:	
Days from today	480
Start Date:	7/20/2023
SPC Cutoffs:	
ETCH RATE (nm/min)	5
ETCH SELECTIVITY (SiO2/PR)	5

PECVD2: Si3N4 Recipe -->	Dep Recipe -->	SEASONING TIME:	600 seconds
DATE	Sample #	ETCH RATE (nm/min)	ETCH SELECTIVITY (SiO2/PR)
MEAN VALUES		6.048	67.6394
SPC UPPER		6.350166667	71.02134375
SPC LOWER		5.745	64.257
Date (link to data)	Sample #	ch Rate (um/min)	iectivity (Si/UV6)
11/9/2024	241109DSE-Si	6.260	78.2100
11/5/2024	241105DSE-Si	6.310	41.0200
11/3/2024	241103DSE-Si	6.220	72.2300
10/31/2024	241031DSE-Si	6.240	39.4100
10/27/2024	241027DSE-Si	6.080	50.0600
10/20/2024	241020DSE-Si	6.130	57.7700
10/18/2024	241018DSE-Si	6.060	85.6700
10/11/2024	241011DSE-Si	6.090	87.9800
10/8/2024	241008DSE-Si	6.090	80.7600
10/7/2024	241007DSE-Si	6.190	67.1600
10/3/2024	241003DSE-Si	6.050	74.1500
10/1/2024	241001DSE-Si	6.110	60.1700
9/26/2024	240926DSE-Si	6.070	55.7300
9/23/2024	240923DSE-Si	5.750	
9/20/2024	240920DSE-Si	5.670	
9/10/2024	240910DSE-Si	5.920	64.9600
9/5/2024	240905DSE-Si	6.030	87.4300
8/26/2024	240826DSE-Si	5.590	79.5200

MEAN VALS (for plotting)	
ETCH RATE (nm/min)	ETCH SELECTIVITY (SiO2/PR)
6.047777778	67.639375
6.047777778	67.639375
6.047777778	67.639375
6.047777778	67.639375
6.047777778	67.639375
6.047777778	67.639375
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6.047777778	67.639375
6.047777778	67.639375
6.047777778	67.639375

SPC UPPER (for plotting)	
ETCH RATE (nm/min)	ETCH SELECTIVITY (SiO2/PR)
6.350166667	71.02134375
6.350166667	71.02134375
6.350166667	71.02134375
6.350166667	71.02134375
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6.350166667	71.02134375
6.350166667	71.02134375

SPC LOWER (for plotting)	
ETCH RATE (nm/min)	ETCH SELECTIVITY (SiO2/PR)
5.745388889	64.25740625
5.745388889	64.25740625
5.745388889	64.25740625
5.745388889	64.25740625
5.745388889	64.25740625
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5.745388889	64.25740625