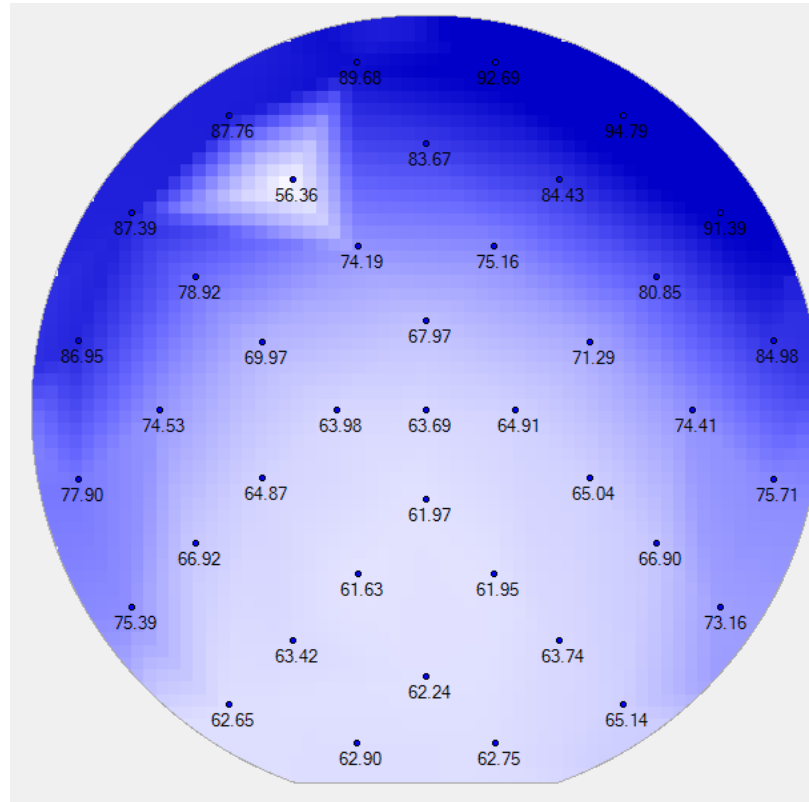


# Tepla300 : Ash high power on PMMA 500nm

## 1 - With Faraday cage - **Vertical** load on carrier



500W – O2 400sccm – 45sec

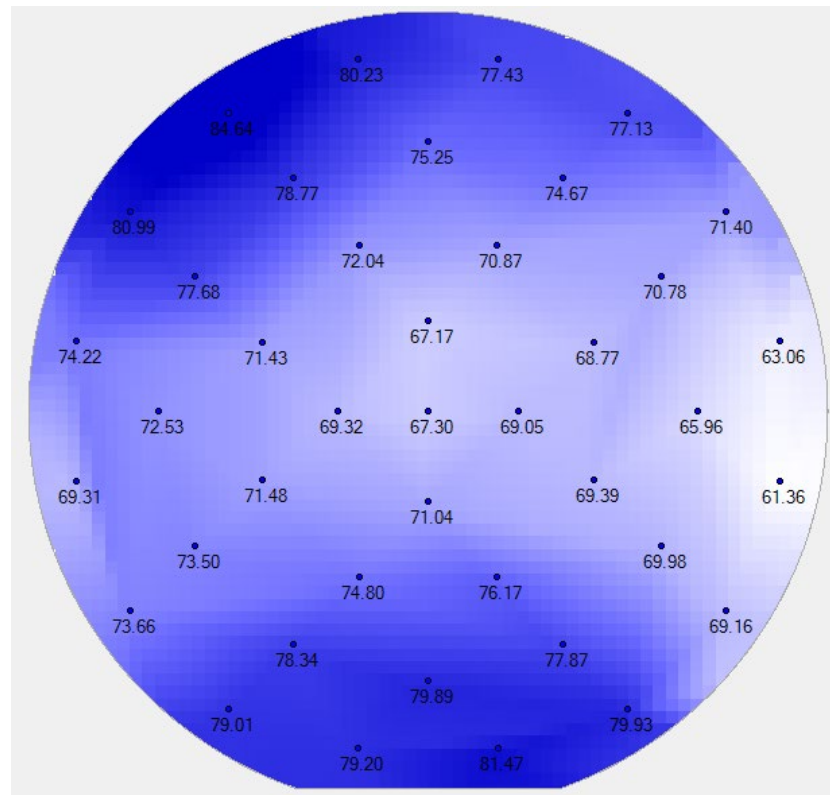
### Results

Min:	56.36 nm/m
Max:	94.79 nm/m
Mean:	73.03 nm/m
Std.Dev:	10.52 nm/m
Range:	38.42 nm/m
Uniformity:	+/- 26.3 %
CTE:	21.00 nm/m
Wedge:	30.92 nm/m
Wedge Ang:	85°
Valid:	41/41
Alarmed:	N/A

Same process with no cage has the whole 500nm of PMMA gone !!!

# Tepla300 : Ash high power on PMMA 500nm

## 2 - With Faraday cage - **Flat** load on carrier



500W – O2 400sccm – 45sec

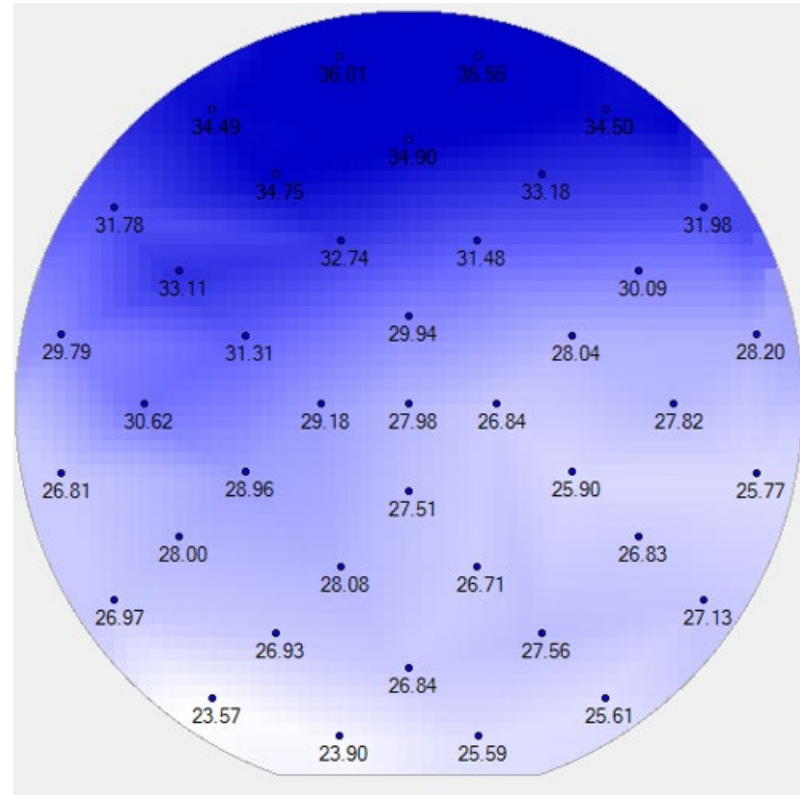
### Results

Min:	61.36 nm/m
Max:	84.64 nm/m
Mean:	73.57 nm/m
Std.Dev:	5.29 nm/m
Range:	23.29 nm/m
Uniformity:	+/- 15.8 %
CTE:	11.63 nm/m
Wedge:	8.87 nm/m
Wedge Ang:	-178°
Valid:	41/41
Alarmed:	N/A

Same process with no cage has the whole 500nm of PMMA gone !!!

# Tepla300 : Descum low power on PMMA 500nm

3 - With Faraday cage - **Vertical** load on carrier



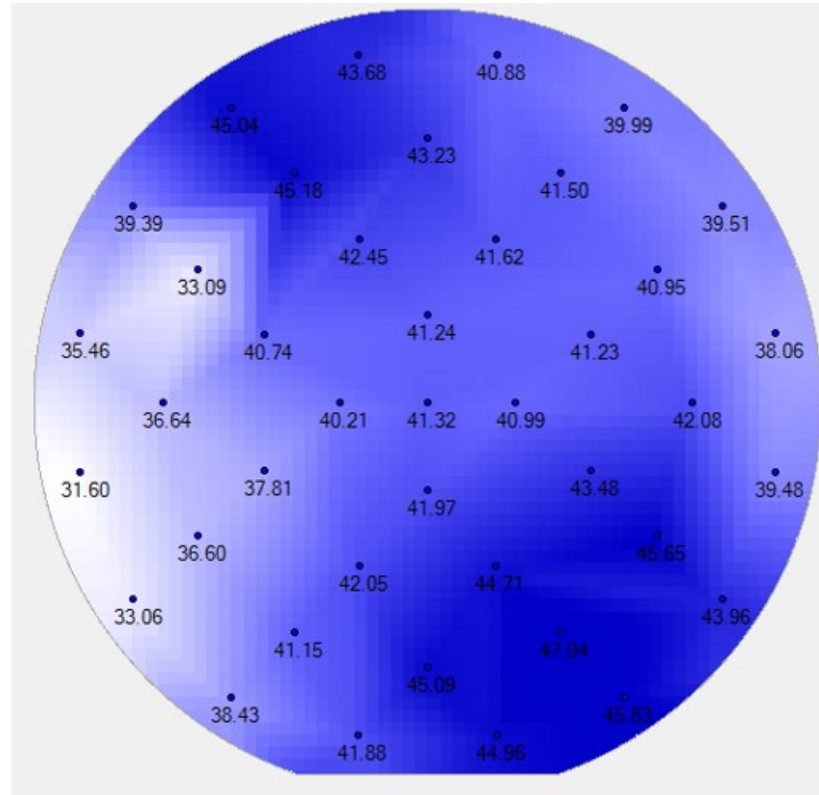
200W – O2 400sccm – 60sec

Results

Min:	23.57 nm/m
Max:	36.01 nm/m
Mean:	29.34 nm/m
Std.Dev:	3.33 nm/m
Range:	12.45 nm/m
Uniformity:	+/- 21.2 %
CTE:	2.30 nm/m
Wedge:	12.36 nm/m

# Tepla300 : Descum low power on PMMA 500nm

4 - With Faraday cage - **Flat** load on carrier



200W – O2 400sccm – 60sec

## Results

Min:	31.60 nm/m
Max:	47.04 nm/m
Mean:	40.96 nm/m
Std.Dev:	3.58 nm/m
Range:	15.43 nm/m
Uniformity:	+/- 18.8 %
CTE:	-1.14 nm/m
Wedge:	7.22 nm/m