

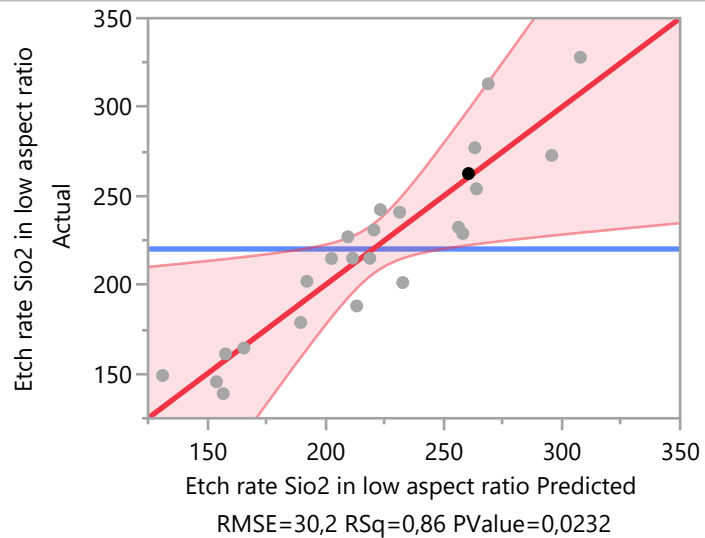
Least Squares Fit

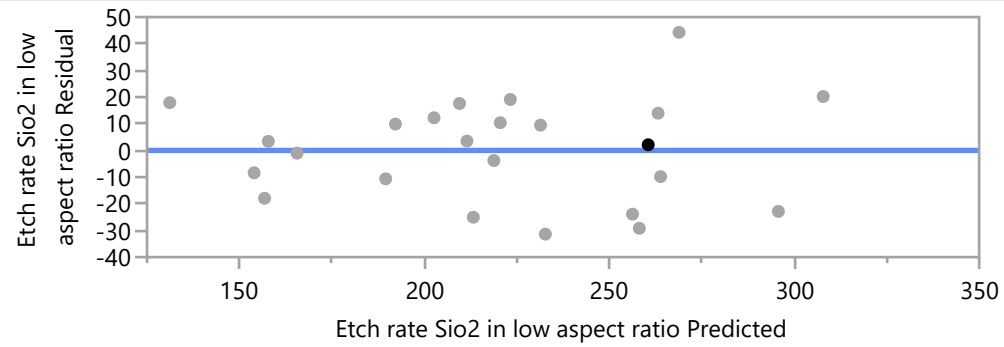
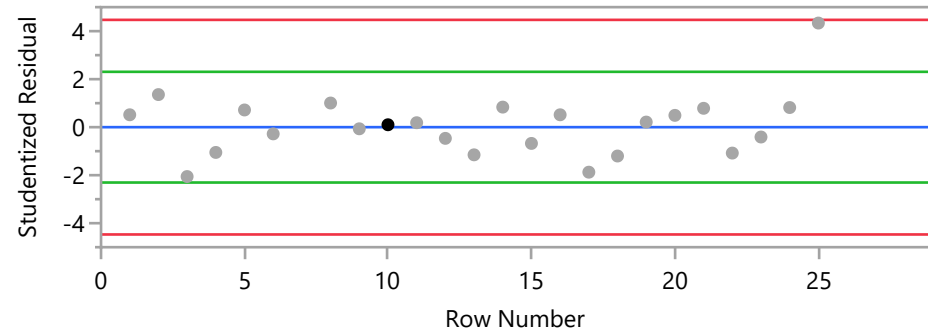
Effect Summary

Source	LogWorth	PValue
He/C4F8(5,30)	4,589	0,00003
Total flow*He/C4F8	4,256	0,00006
Total flow(100,500)	3,533	0,00029 ^
Platen power(200,300)	3,445	0,00036
Coil power(2500,4000)	3,014	0,00097
Total flow*C4F8/H2	2,253	0,00559
He/C4F8*He/C4F8	2,232	0,00586
Coil power*Platen power	2,115	0,00768
Coil power*Coil power	2,009	0,00978
Platen power*He/C4F8	1,971	0,01069
Platen power*C4F8/H2	1,950	0,01123
Platen power*Platen power	1,748	0,01786
C4F8/H2*C4F8/H2	1,374	0,04223
C4F8/H2(1,3)	0,952	0,11170 ^

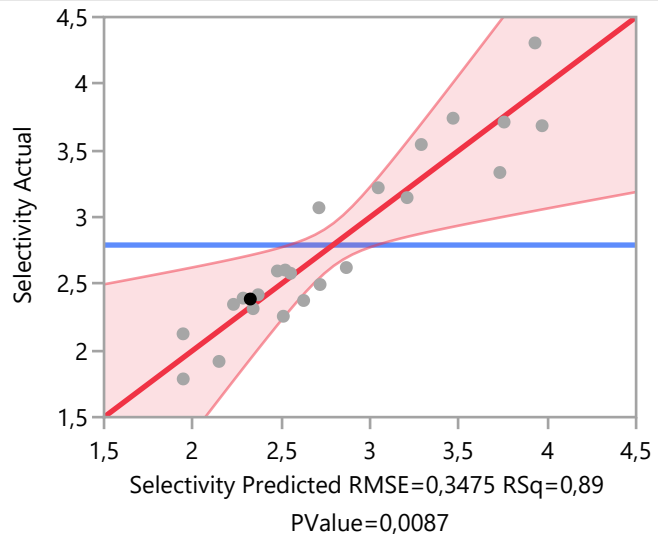
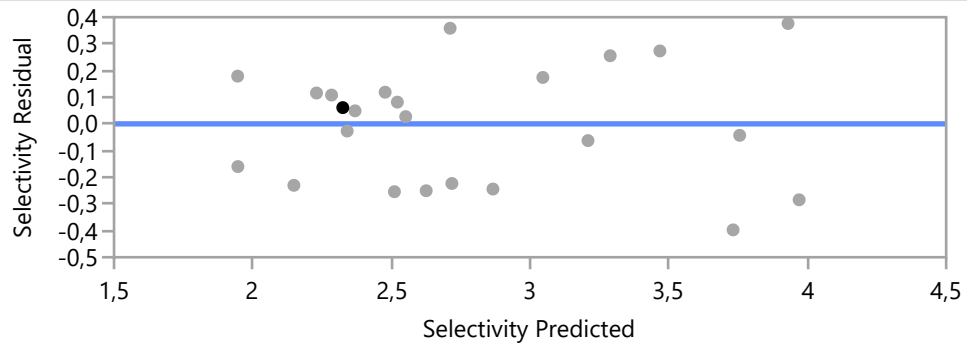
Response Etch rate Sio2 in low aspect ratio

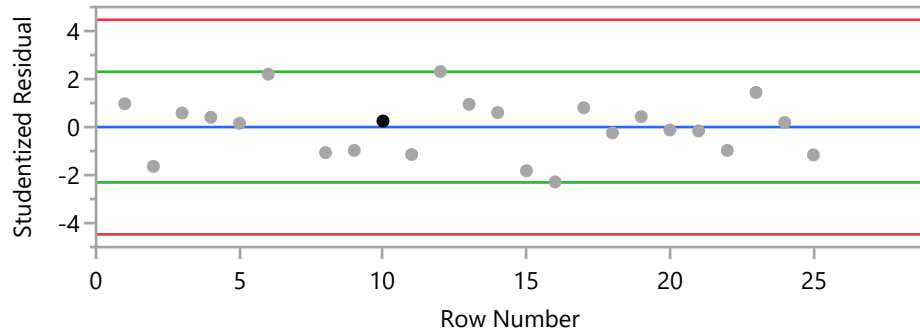
Actual by Predicted Plot



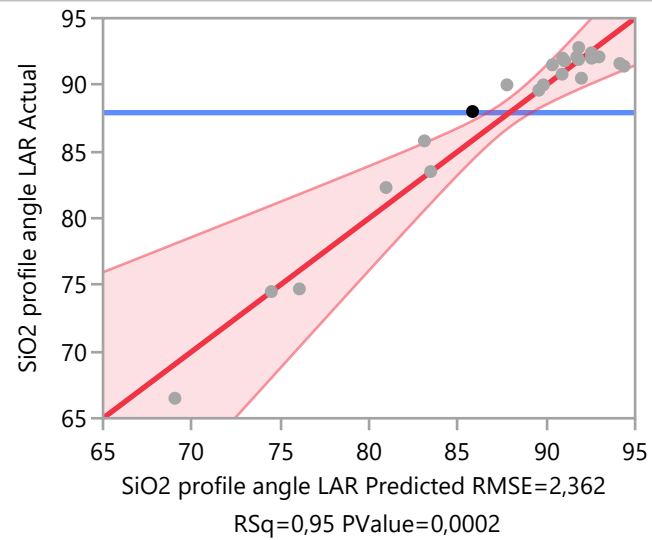
Least Squares Fit**Response Etch rate Sio2 in low aspect ratio****Residual by Predicted Plot****Studentized Residuals**

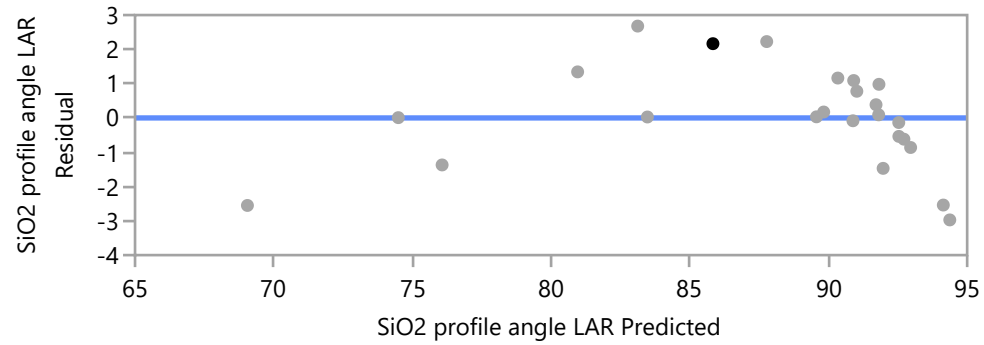
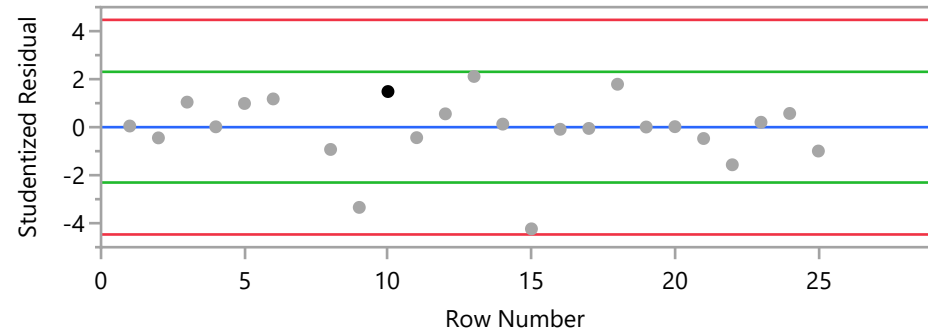
Externally studentized residuals with 95% simultaneous limits (Bonferroni) in red, individual limits in green.

Least Squares Fit**Response Selectivity****Actual by Predicted Plot****Residual by Predicted Plot**

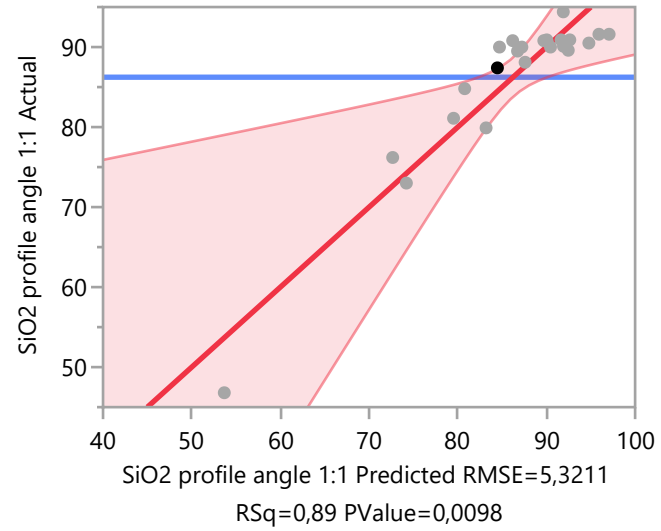
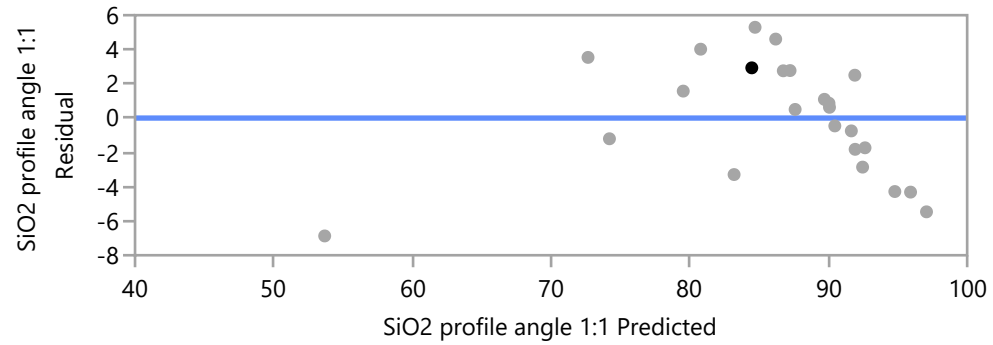
Least Squares Fit**Response Selectivity****Studentized Residuals**

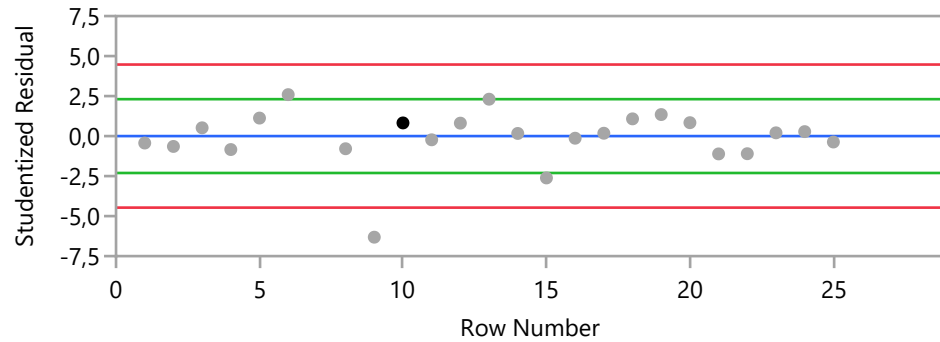
Externally studentized residuals with 95% simultaneous limits (Bonferroni) in red, individual limits in green.

Response SiO2 profile angle LAR**Actual by Predicted Plot**

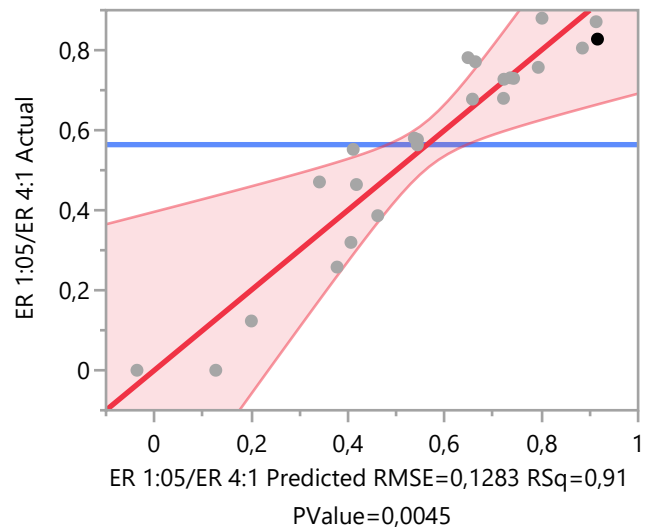
Least Squares Fit**Response SiO2 profile angle LAR****Residual by Predicted Plot****Studentized Residuals**

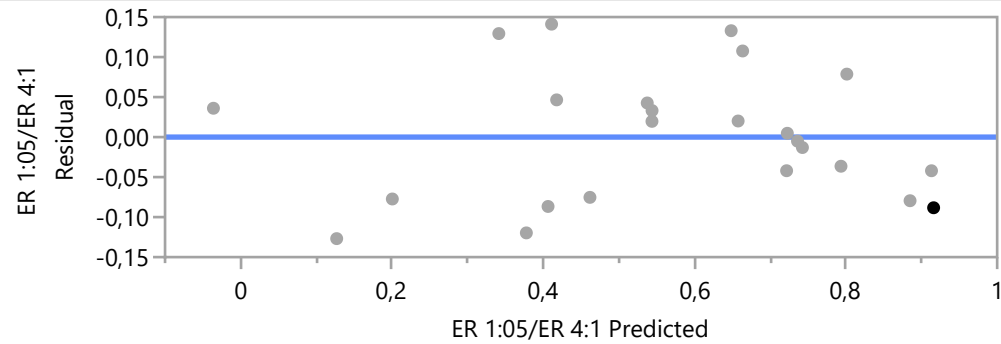
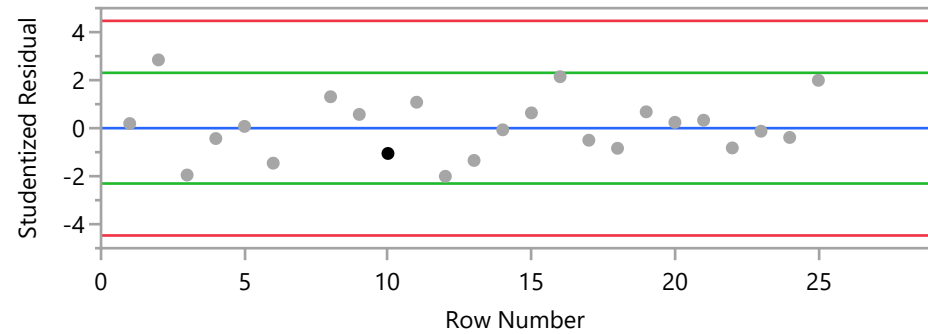
Externally studentized residuals with 95% simultaneous limits (Bonferroni) in red, individual limits in green.

Least Squares Fit**Response SiO2 profile angle 1:1****Actual by Predicted Plot****Residual by Predicted Plot**

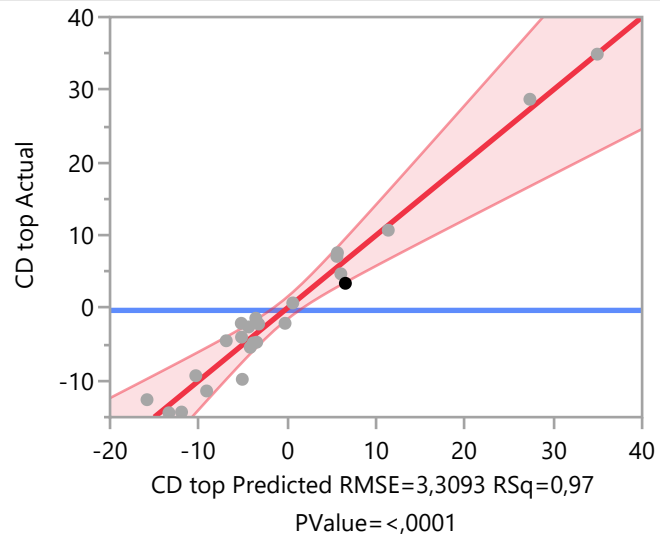
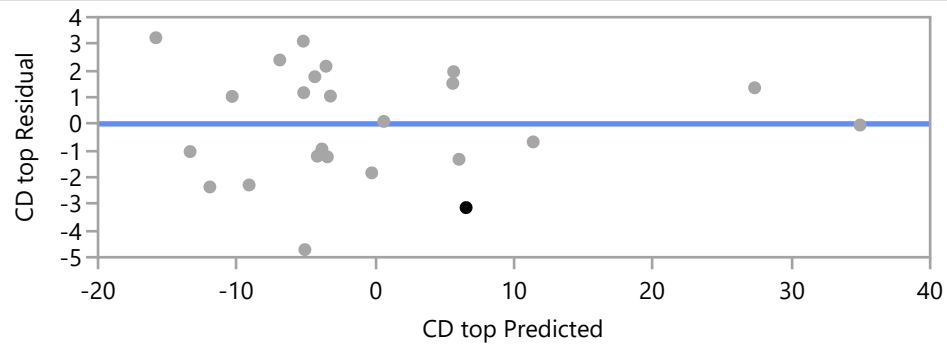
Least Squares Fit**Response SiO2 profile angle 1:1****Studentized Residuals**

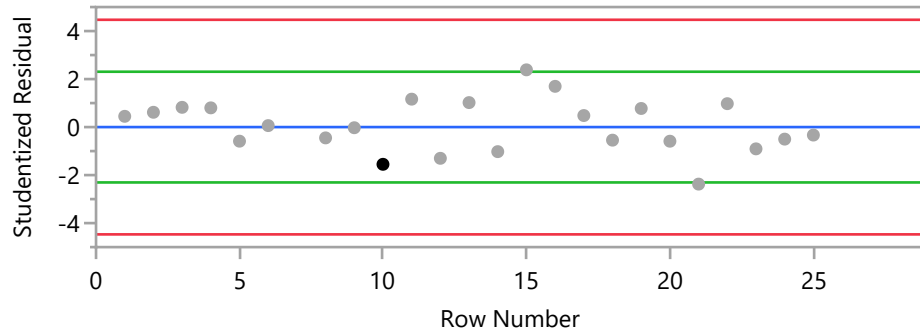
Externally studentized residuals with 95% simultaneous limits (Bonferroni) in red, individual limits in green.

Response ER 1:05/ER 4:1**Actual by Predicted Plot**

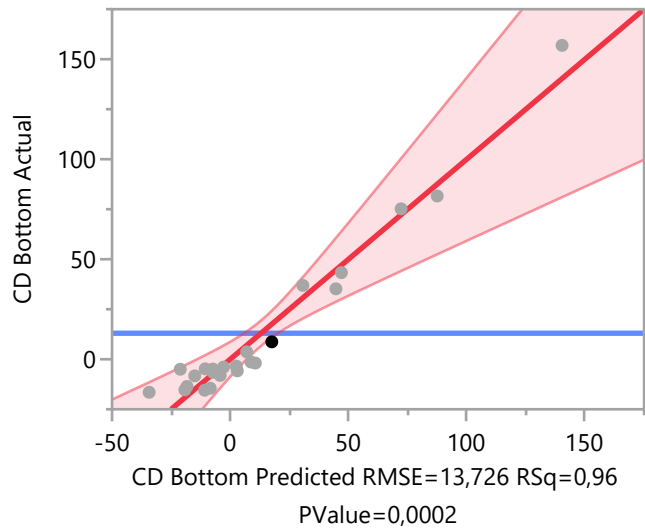
Least Squares Fit**Response ER 1:05/ER 4:1****Residual by Predicted Plot****Studentized Residuals**

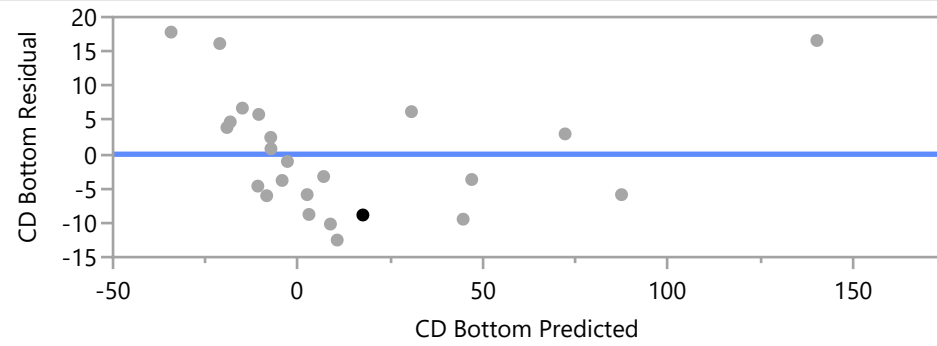
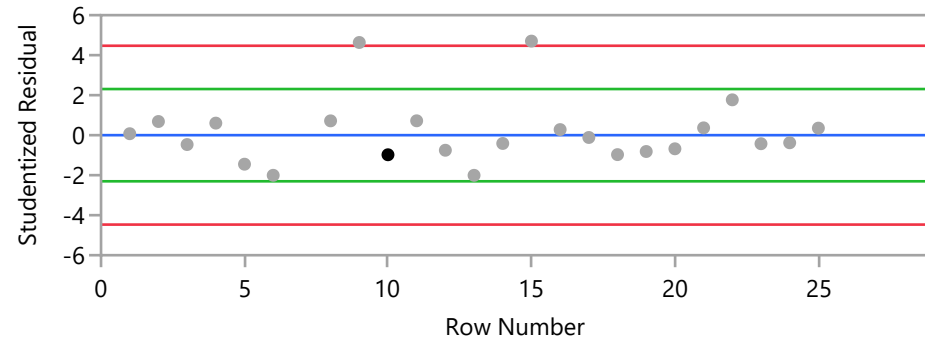
Externally studentized residuals with 95% simultaneous limits (Bonferroni) in red, individual limits in green.

Least Squares Fit**Response CD top****Actual by Predicted Plot****Residual by Predicted Plot**

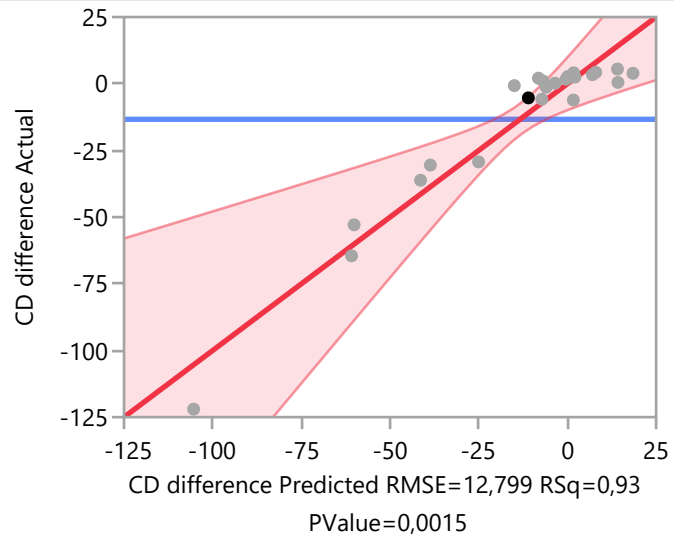
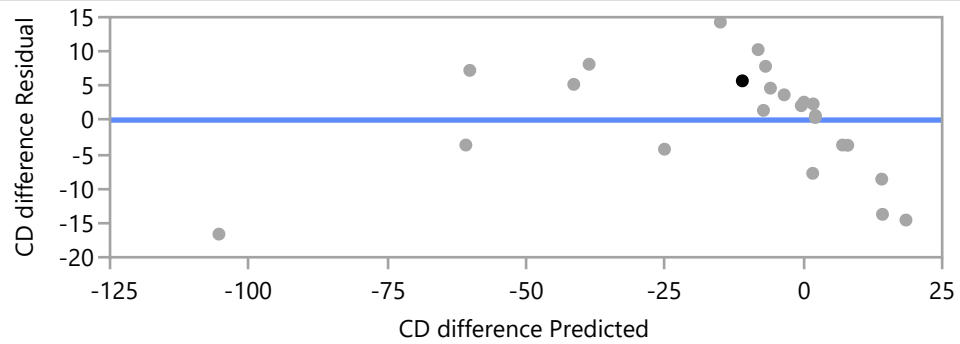
Least Squares Fit**Response CD top****Studentized Residuals**

Externally studentized residuals with 95% simultaneous limits (Bonferroni) in red, individual limits in green.

Response CD Bottom**Actual by Predicted Plot**

Least Squares Fit**Response CD Bottom****Residual by Predicted Plot****Studentized Residuals**

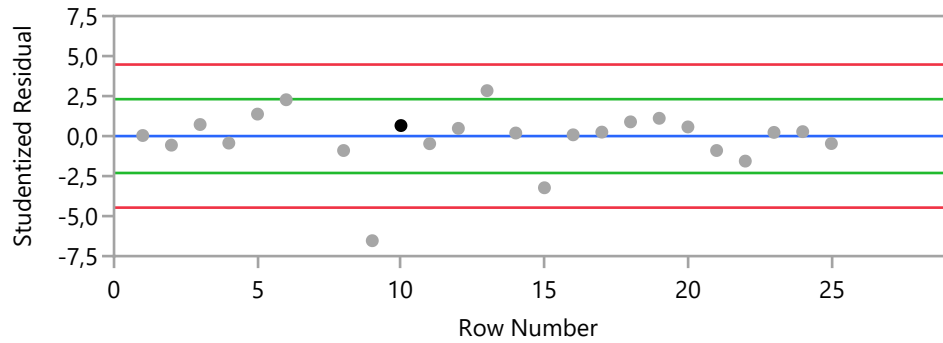
Externally studentized residuals with 95% simultaneous limits (Bonferroni) in red, individual limits in green.

Least Squares Fit**Response CD difference****Actual by Predicted Plot****Residual by Predicted Plot**

Least Squares Fit

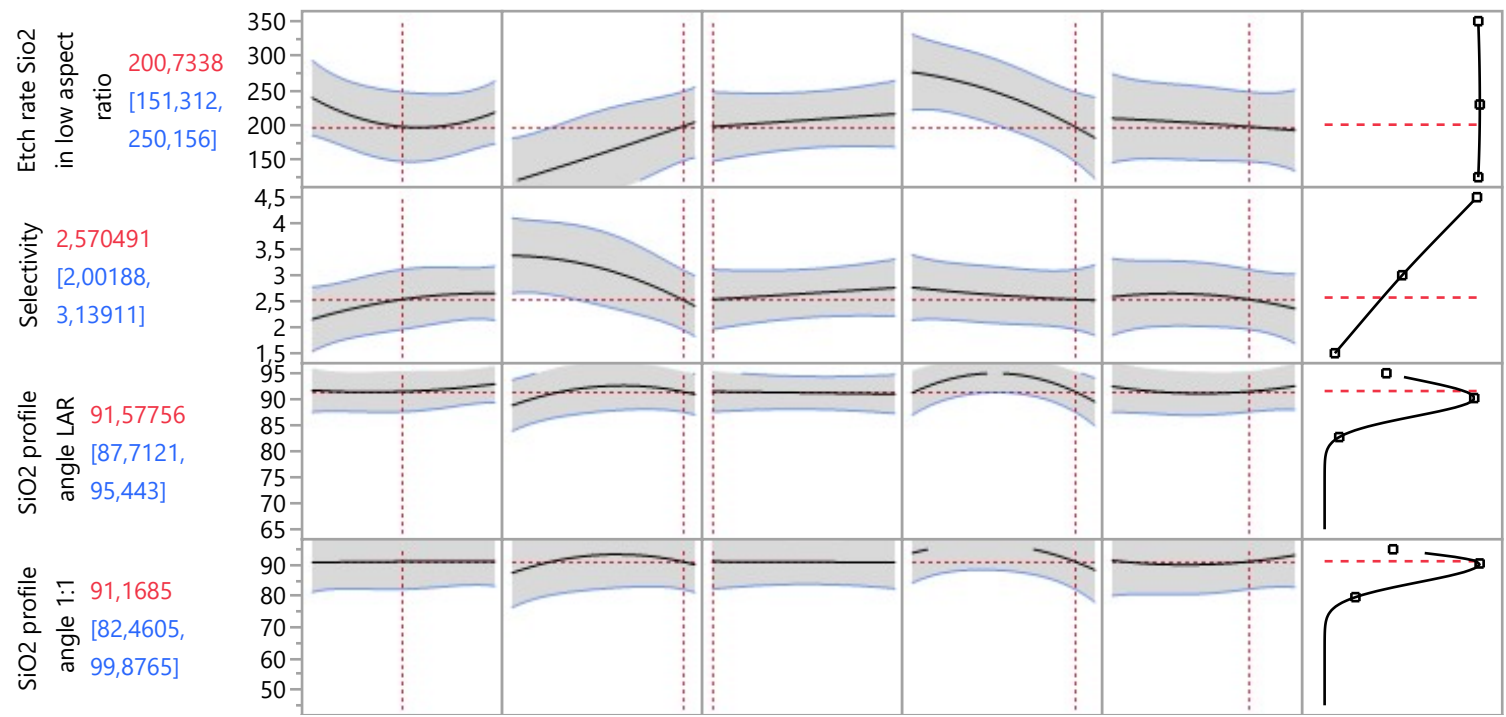
Response CD difference

Studentized Residuals



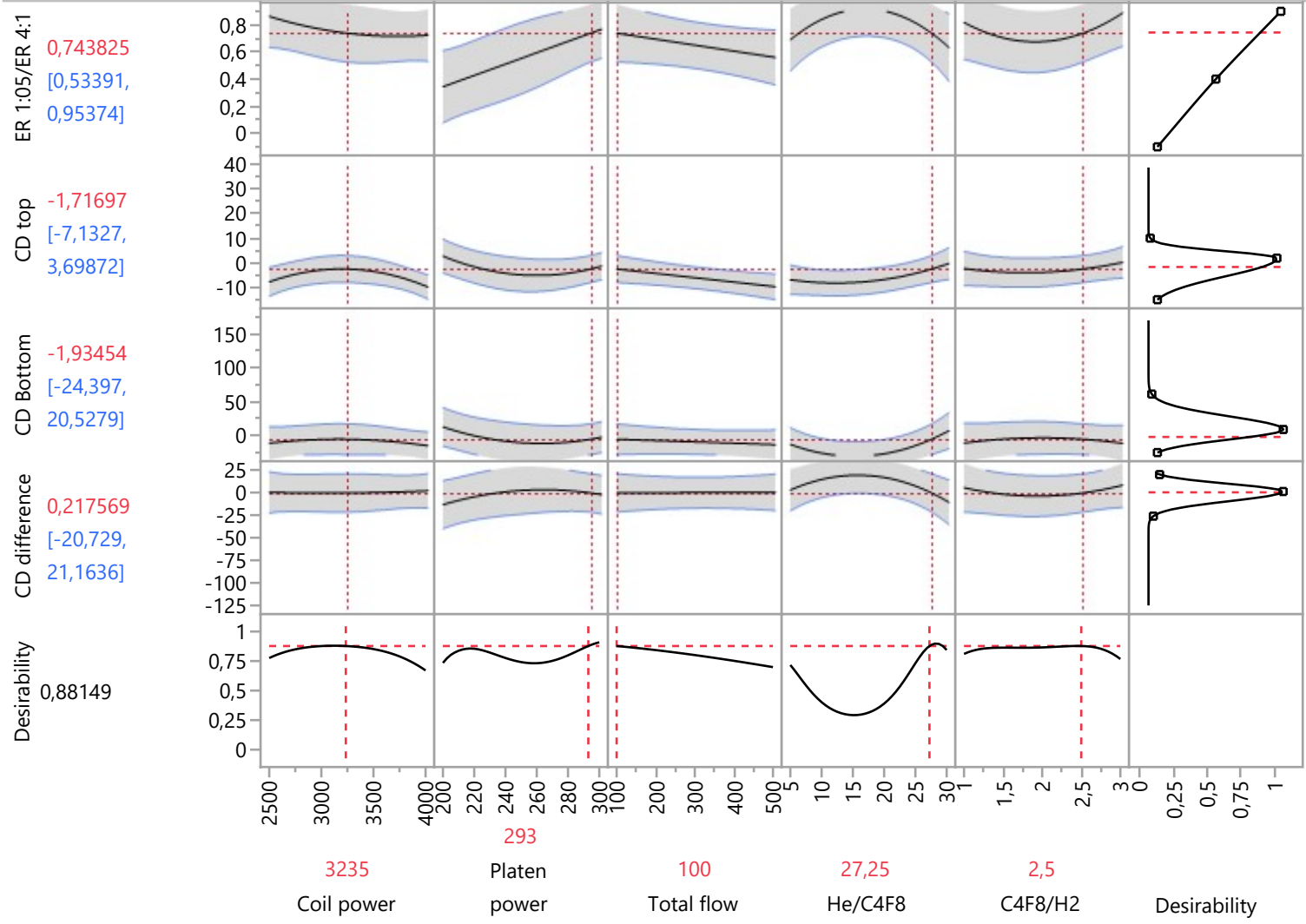
Externally studentized residuals with 95% simultaneous limits (Bonferroni) in red, individual limits in green.

Prediction Profiler



Least Squares Fit

Prediction Profiler



Least Squares Fit

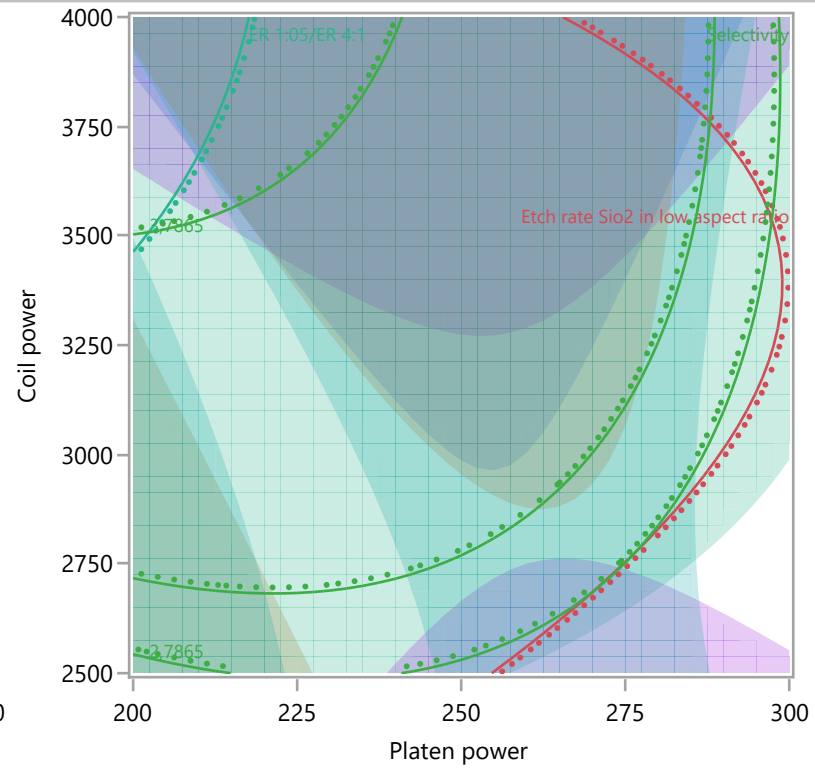
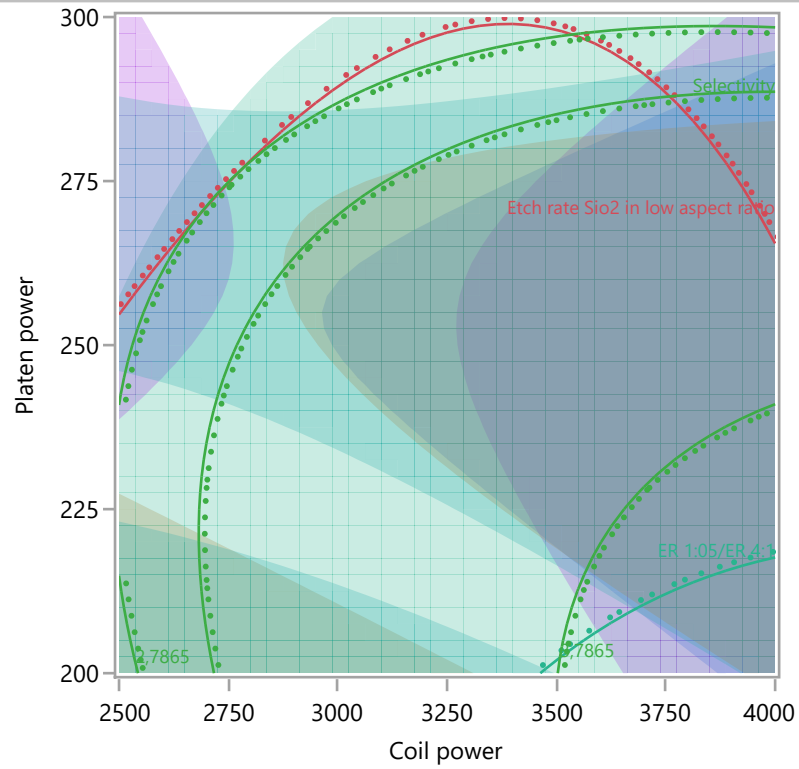
Contour Profiler

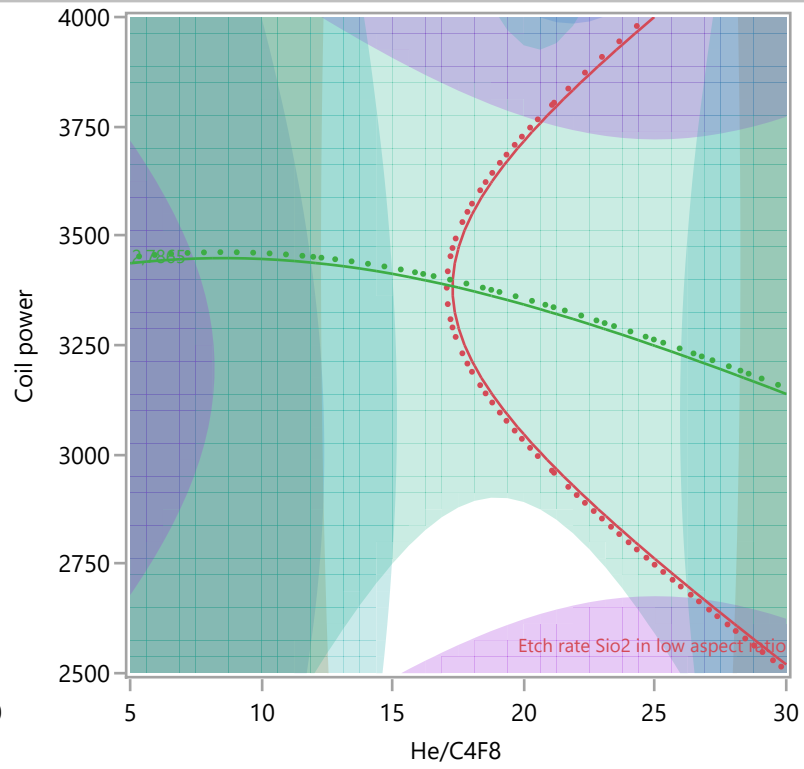
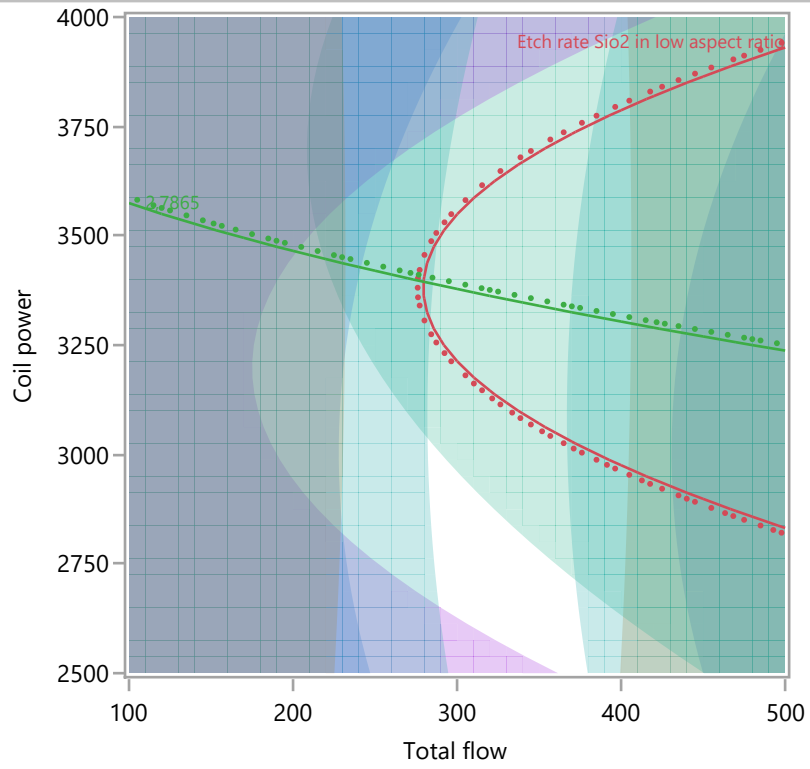
Factor	Current X
Coil power	2765,2439
Platen power	295,42683
Total flow	315,85366
He/C4F8	18,567073
C4F8/H2	1,5304878

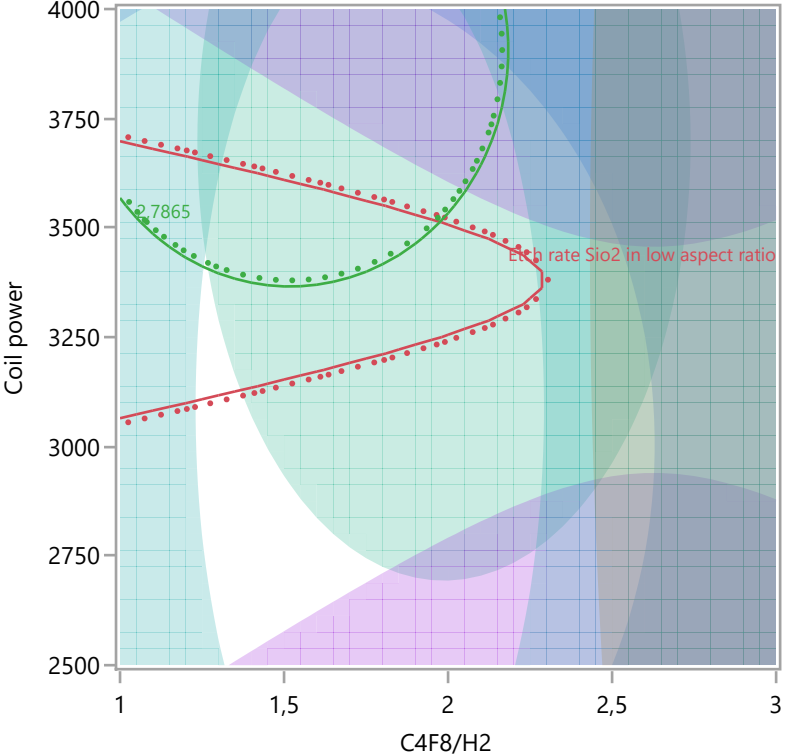
Response	Contour	Current Y	Lo Limit	Hi Limit
Etch rate Sio2 in low aspect ratio	237,5	255,51799	.	.
Selectivity	3	2,546532	.	.
SiO2 profile angle LAR	80	90,350436	88	92
SiO2 profile angle 1:1	70	89,993613	88	92
ER 1:05/ER 4:1	0,4	0,8226619	0,8	1,2
CD top	12,5	-3,030728	-5	5
CD Bottom	75	-3,906057	.	.
CD difference	-50	0,8753296	-3	3

Least Squares Fit

Contour Profiler

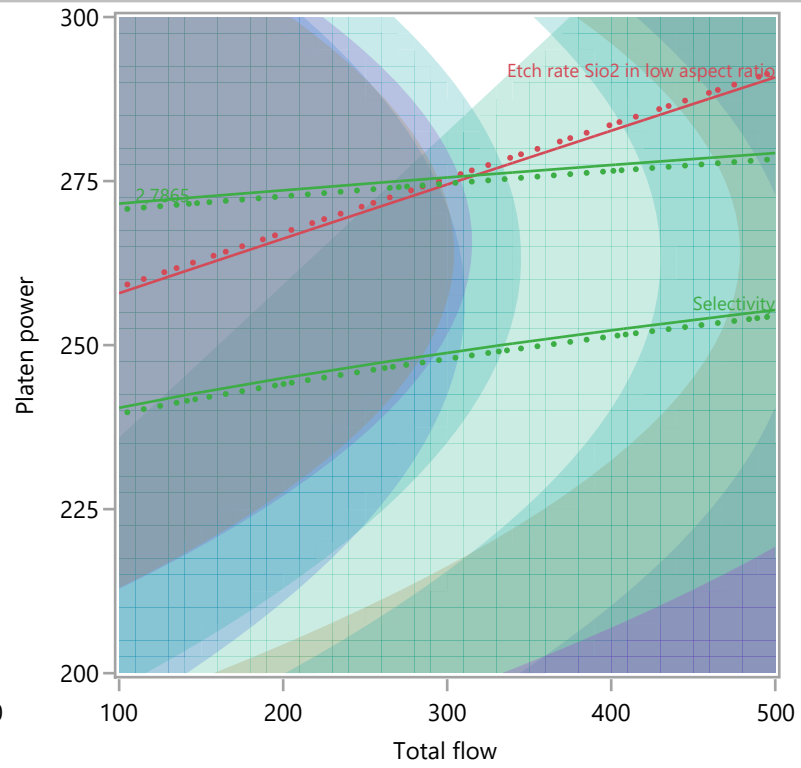
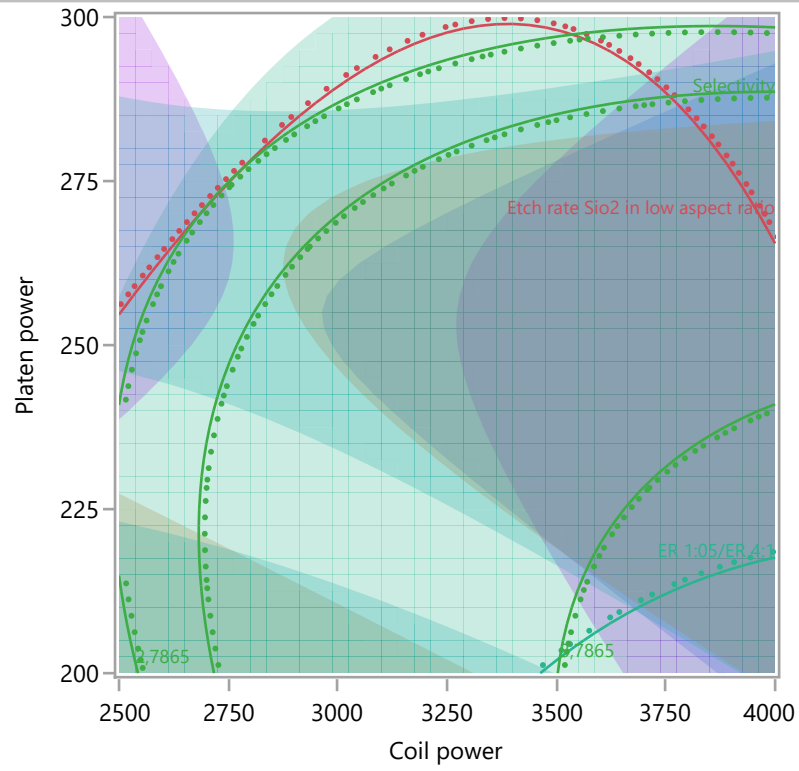


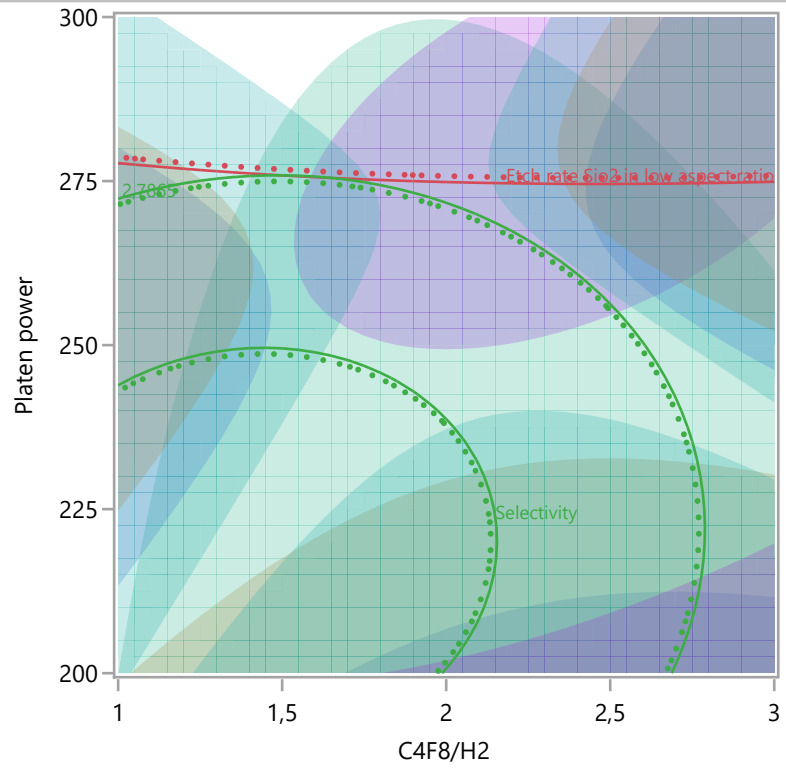
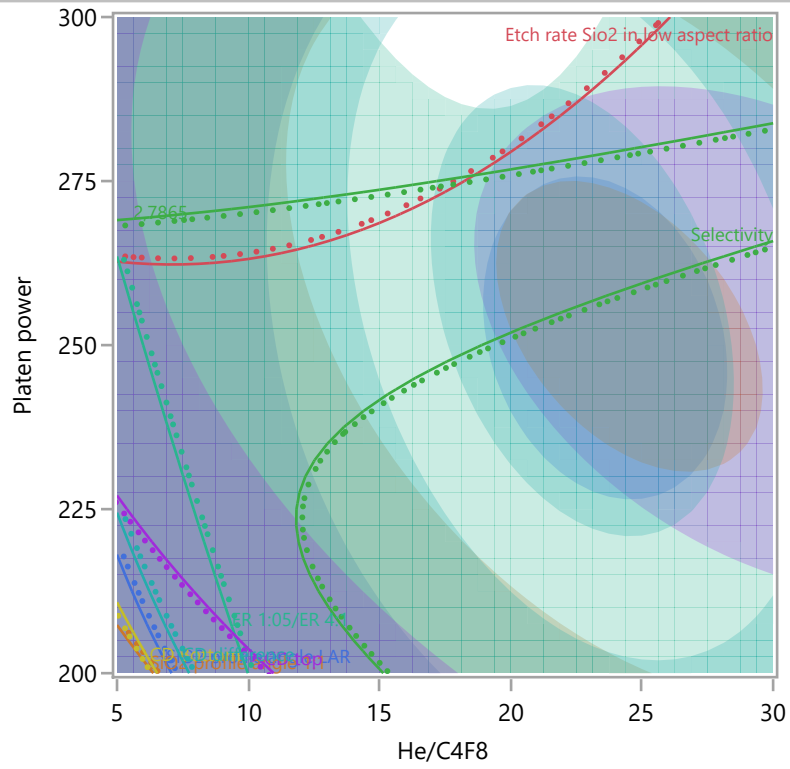


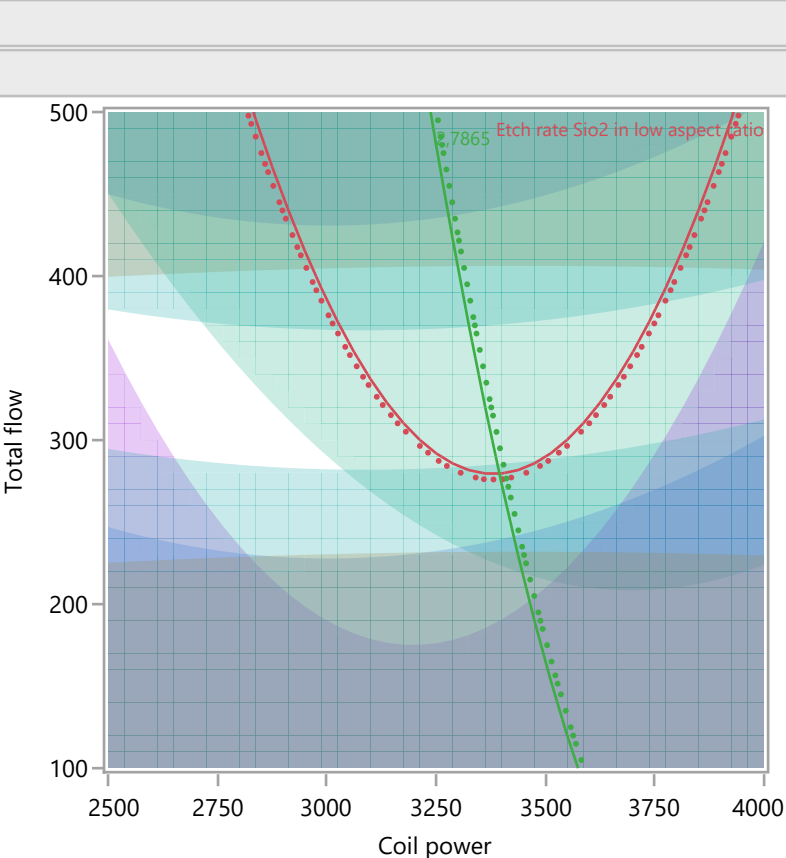


Least Squares Fit

Contour Profiler

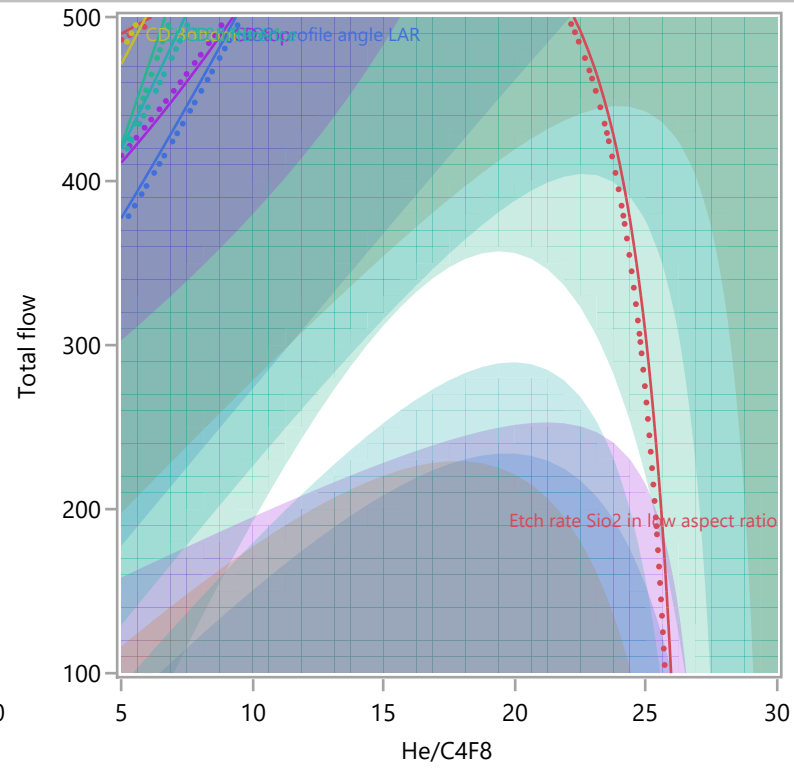
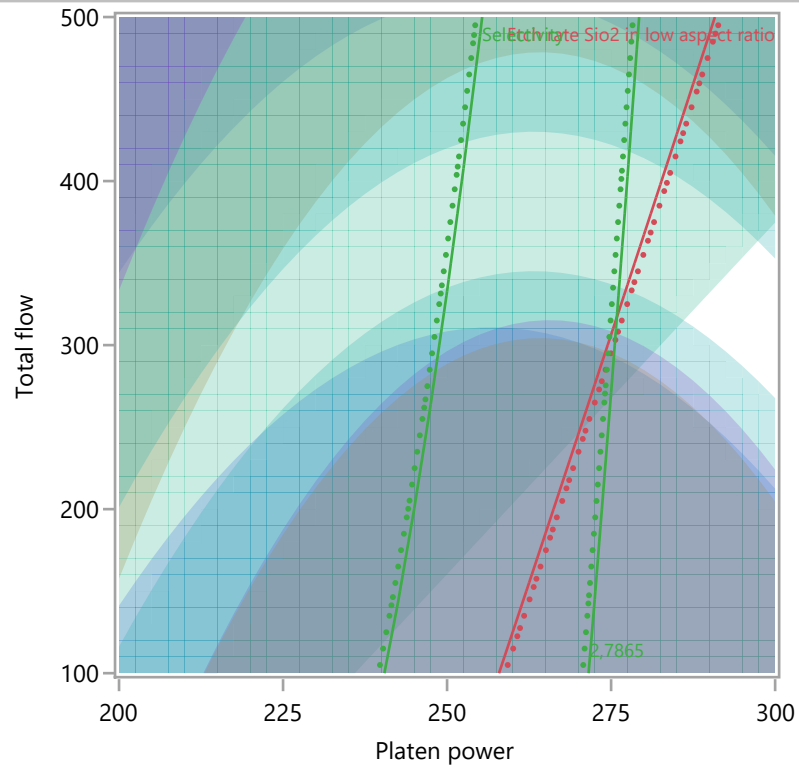


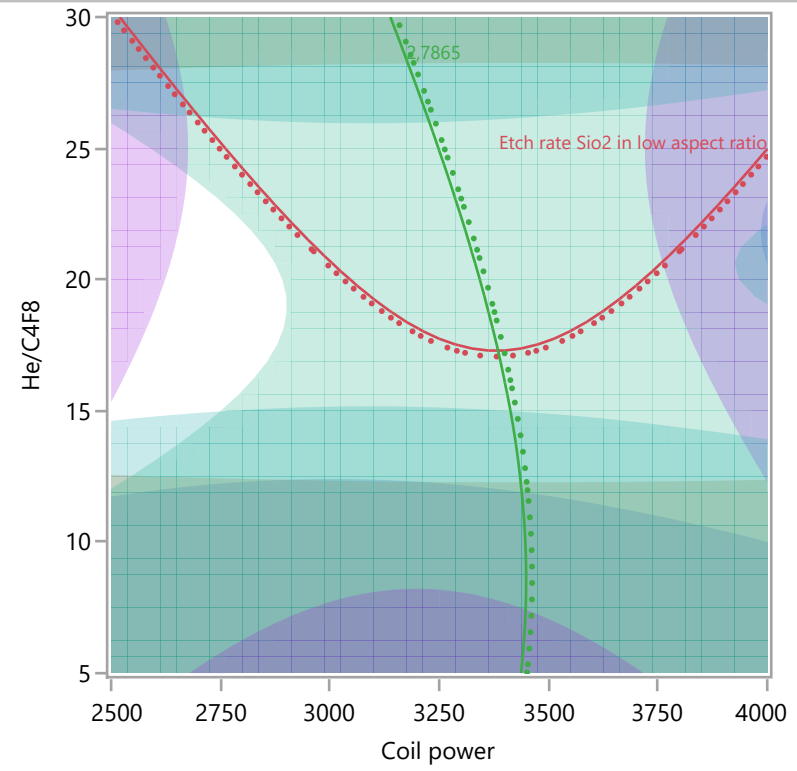
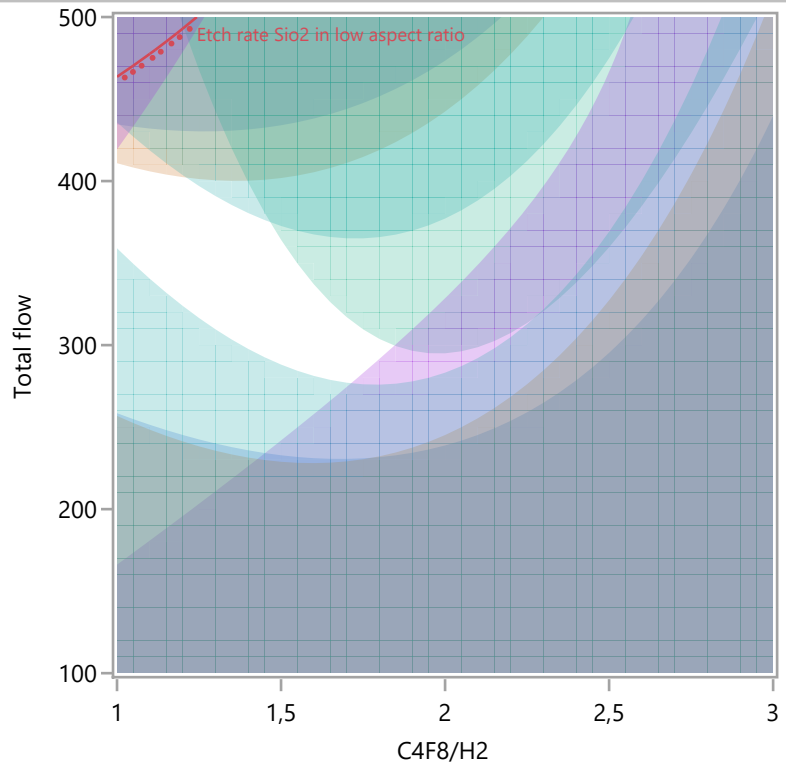


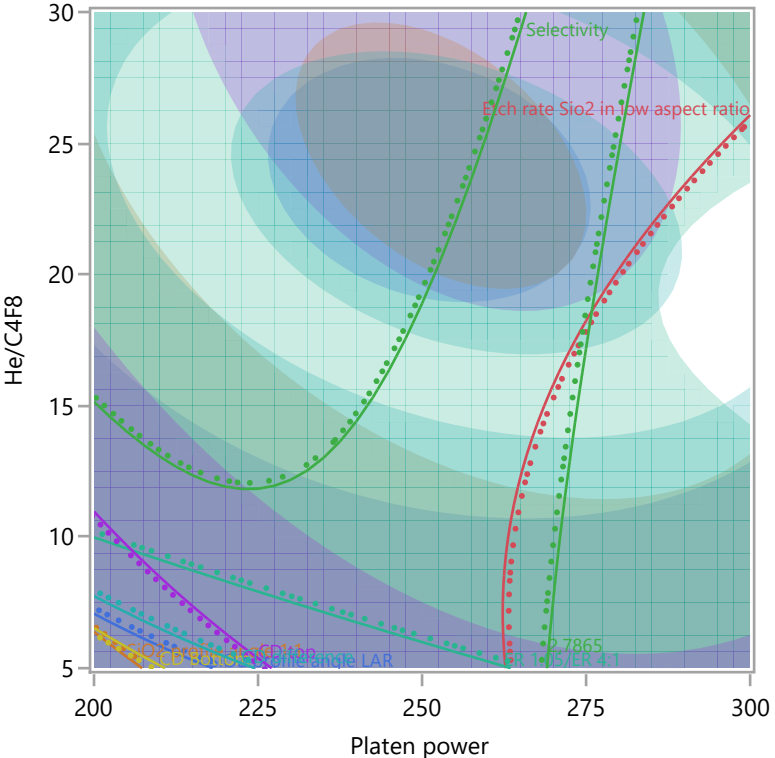


Least Squares Fit

Contour Profiler

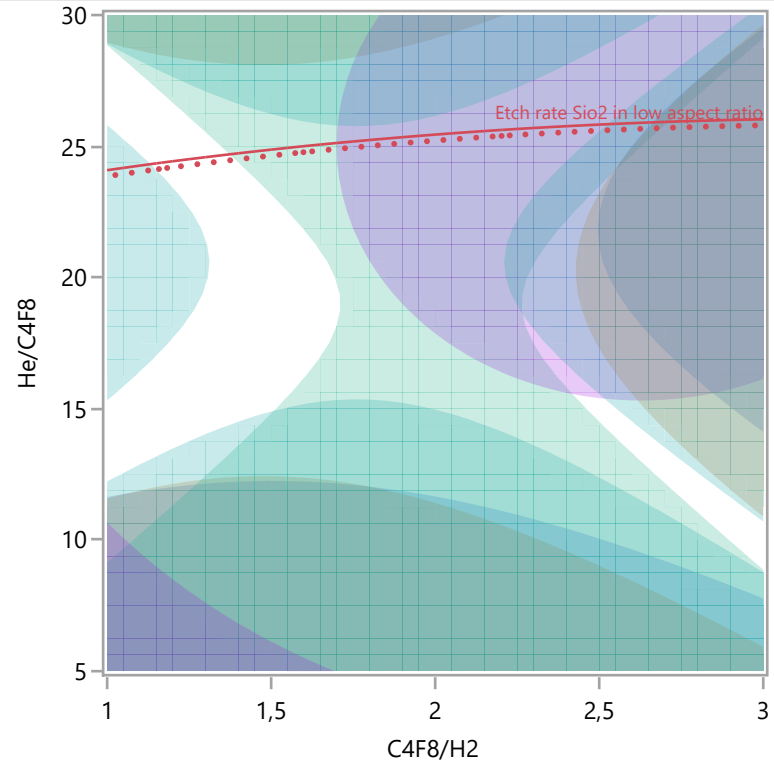
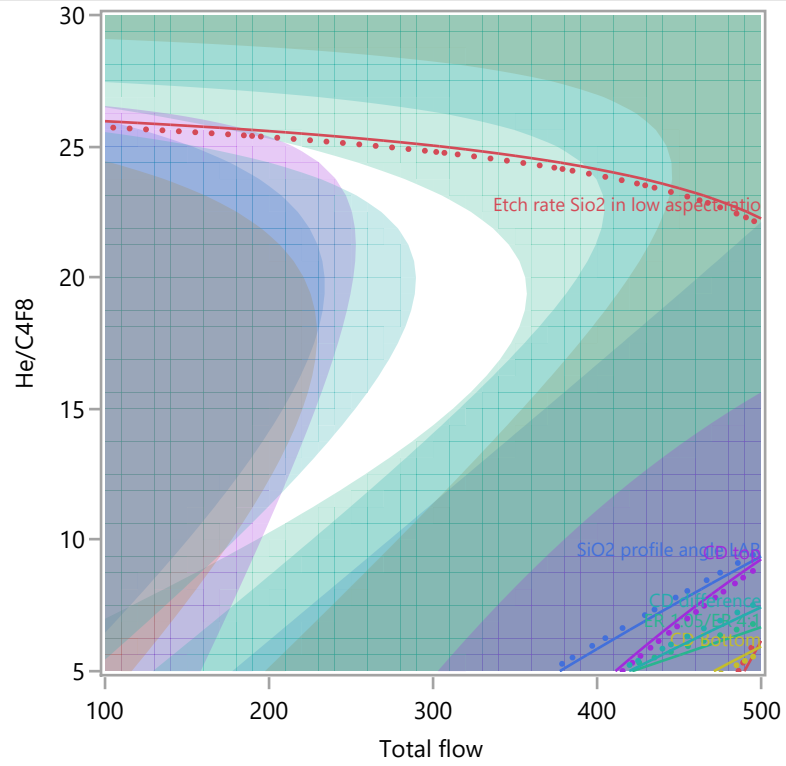


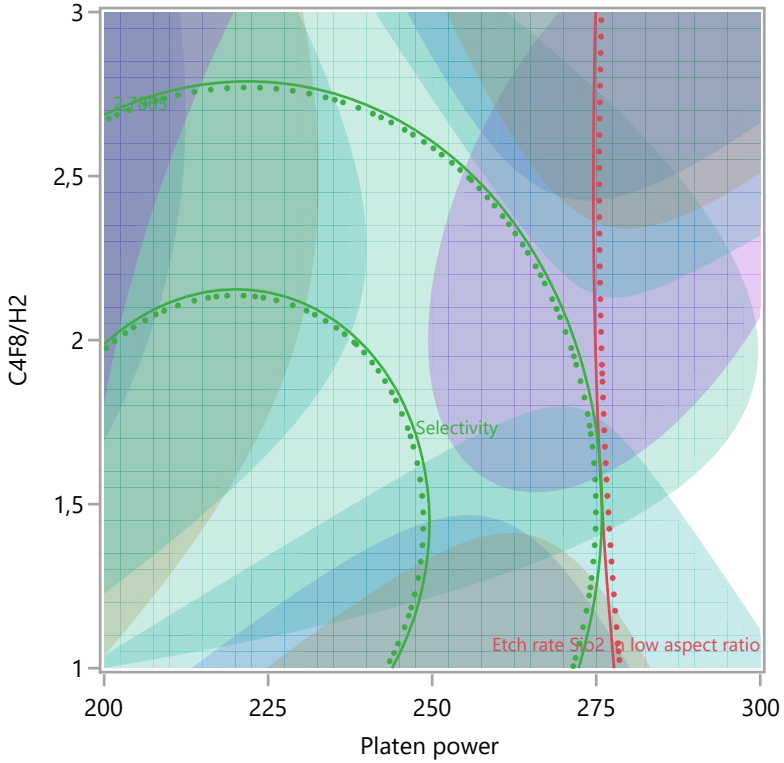
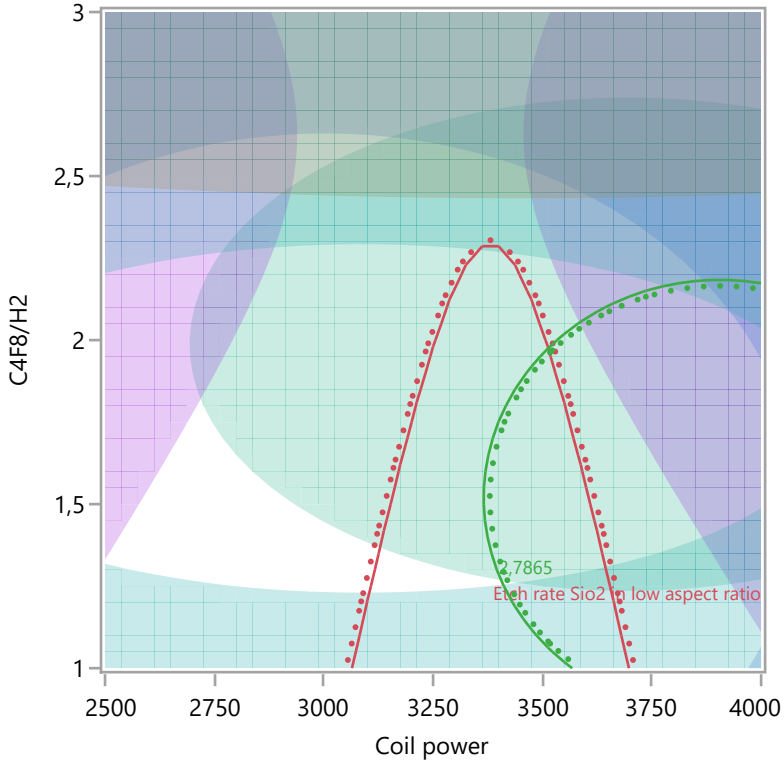


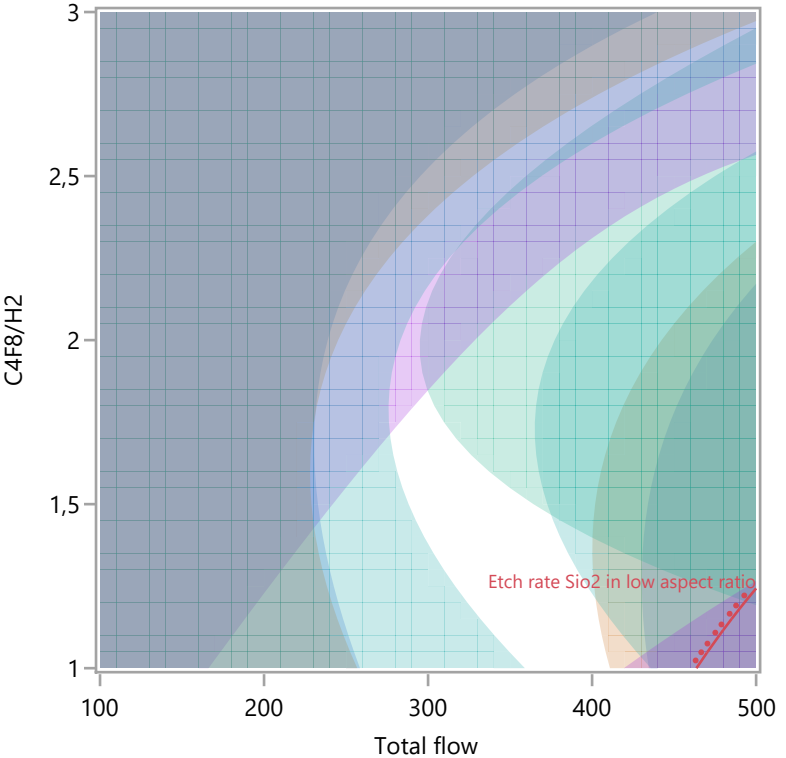


Least Squares Fit

Contour Profiler







Least Squares Fit

Contour Profiler

