HP SAXS Pressure Calibration (as of January 09, 2025)

PBI program pressure (MPa)	Actual pressure measured by external gauge (MPa)
14.5	7.5
22.2	14.5
39.6	34
51.15	46.3
76.2	73
96.9	95
151.8	152
202.5	202
253.6	254.8
294.3	296
342.25	340

PBI program pressure (MPa)	Actual pressure (extrapolated from data) (MPa)
0	-5.8
10	4.4
20	14.6
30	24.8
40	35.1
50	45.3
60	55.5
70	65.7
80	75.9
90	86.2
100	96.4
110	106.6
120	116.8
130	127.1
140	137.3
150	147.5
160	157.7
170	167.9
180	178.2
190	188.4
200	198.6
210	208.8
220	219.0
230	229.3
240	239.5
250	249.7
260	259.9
270	270.1
280	280.4
290	290.6
300	300.8
310	311.0
320	321.3
330	331.5
340	341.7
350	351.9
360	362.1
370	372.4
380	382.6
390	392.8
400	403.0
410	413.2
420	423.5
430	433.7
440	443.9
450	454.1

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.999861
R Square	0.999723
Adjusted R	0.999692
Standard E	2.086133
Observatior	11

ANOVA

	df	*SS*	*MS*	*F*	*ignificance F*
Regression	1	141243.7	141243.7	32455.26	2.54E-17
Residual	9	39.16756	4.351951		
Total	10	141282.9			

	Coefficients	*tandard Erro*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*	*ower 95.0%*	*Jpper 95.0%*
Intercept	-5.827746	1.015224	-5.740354	0.00028	-8.124343	-3.53115	-8.124343	-3.53115
X Variable	1.022139	0.005674	180.1534	2.54E-17	1.009304	1.034974	1.009304	1.034974

