Sea-Bird Scientific
13431 NE 20th Street
Bellevue, WA 98005
USA

+1 425-643-9866
seabird@seabird.com
www.seabird.com

SENSOR SERIAL NUMBER: 3765
CALIBRATION DATE: 26-Apr-21

SBE 37 PRESSURE CALIBRATION DATA
1450 psia S/N 5754

COEFFICIENTS:

PA0 =	4.773563e-001	PTCA0 =	-2.300936e+002
PA1 =	6.890845e-002	PTCA1 =	3.417433e-001
PA2 =	-5.142943e-009	PTCA2 =	-1.567258e-003
		PTCB0 =	2.476912e+001
		PTCB1 =	-7.750000e-004
		PTCB2 =	0.000000e+000

PRESSURE SPAN CALIBRATION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)
14.46	-20.1	22.6	14.48	0.00
300.92	4134.3	22.7	300.86	-0.00
588.24	8306.0	22.7	588.25	0.00
875.52	12478.5	22.7	875.52	-0.00
1162.90	16655.5	22.7	1162.92	0.00
1450.21	20832.9	22.7	1450.16	-0.00
1162.89	16655.6	22.7	1162.92	0.00
875.57	12479.4	22.7	875.58	0.00
588.23	8305.8	22.7	588.24	0.00
300.88	4134.0	22.7	300.84	-0.00
14.46	-19.8	22.7	14.50	0.00

THERMAL CORRECTION

TEMP (°C)	INSTRUMENT OUTPUT (counts)
32.50	-4.89
29.00	-5.52
24.00	-6.95
18.50	-8.51
15.00	-9.47
4.50	-12.77
1.00	-13.88

TEMPERATURE (°C)	SPAN
-5.00	24.77
35.00	24.74

x = instrument output - PTCA0 - PTCA1 * t - PTCA2 * t^2

n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t^2)

pressure (PSIA) = PA0 + PA1 * n + PA2 * n^2

Residual (%FSR) = (computed pressure - true pressure) * 100 / Full Scale Range