



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

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

SENSOR SERIAL NUMBER: 0416
CALIBRATION DATE: 07-Sep-21

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 189025

COEFFICIENTS:

PA0 = 5.020709e+000
PA1 = 6.005717e-002
PA2 = 1.925342e-008

PTCA1 = -1.363719e+000
PTCA2 = 4.095903e-002

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	INSTRUMENT OUTPUT (counts)
14.48	152.1	29.9	14.40	-0.01	32.50	166.90
311.80	5081.1	29.8	310.93	-0.06	29.00	158.94
609.00	10005.1	29.8	608.09	-0.06	24.00	155.55
906.10	14917.1	29.7	905.45	-0.04	18.50	154.78
1203.21	19817.6	29.7	1203.03	-0.01	15.00	154.81
1500.33	24694.9	29.7	1500.13	-0.01	4.50	164.42
1203.15	19827.3	29.7	1203.63	0.03	1.00	161.64
906.07	14939.5	29.6	906.82	0.05		
608.95	10032.2	29.5	609.74	0.05		
311.78	5105.0	29.5	312.39	0.04		
14.48	157.1	29.4	14.74	0.02		

t = temperature (°C)

n = instrument output - (PTCA1 * t + PTCA2 * t²)

pressure (PSIA) = PA0 + PA1 * n + PA2 * n²

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

Date, Offset (%FSR)

● 07-Sep-21 -0.00

