



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

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

SENSOR SERIAL NUMBER: 0818
CALIBRATION DATE: 18-Oct-19

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 192102

COEFFICIENTS:

PA0 = 1.062880e+001
PA1 = 6.019956e-002
PA2 = 2.029476e-008

PTCA1 = 3.616410e+000
PTCA2 = 6.087810e-002

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	INSTRUMENT OUTPUT (counts)
14.44	175.2	23.0	14.23	-0.01	32.50	249.10
314.64	5143.4	23.0	313.83	-0.05	29.00	223.63
614.65	10098.6	23.0	613.64	-0.07	24.00	189.33
914.67	15043.8	23.0	913.84	-0.06	18.50	156.26
1214.66	19977.5	23.0	1214.33	-0.02	15.00	131.81
1515.27	24898.9	23.0	1515.05	-0.01	4.50	89.80
1214.65	19994.8	23.0	1215.38	0.05	1.00	67.85
914.66	15070.7	23.0	915.47	0.05		
614.66	10128.8	23.0	615.47	0.05		
314.65	5169.4	23.0	315.40	0.05		
14.45	184.1	23.0	14.77	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)

● 18-Oct-19 0.00

