



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: 20-Dec-17

SBE 37 PRESSURE CALIBRATION DATA
1500 psia S/N 192102

COEFFICIENTS:

PA0 = 1.153071e+001
PA1 = 6.028234e-002
PA2 = 1.764297e-008

PTCA1 = 3.741779e+000
PTCA2 = 5.609213e-002

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	TEMPERATURE (°C)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	INSTRUMENT OUTPUT (counts)
14.66	175.9	24.1	14.75	0.01	32.50	254.40
311.64	5083.2	24.1	311.00	-0.04	29.00	230.34
608.82	9989.8	24.1	608.06	-0.05	24.00	196.59
905.96	14887.0	24.1	905.40	-0.04	18.50	162.77
1203.14	19770.1	24.1	1202.73	-0.03	15.00	139.37
1500.28	24640.0	24.1	1500.10	-0.01	4.50	97.38
1203.23	19787.1	24.1	1203.77	0.04	1.00	74.31
906.07	14911.9	24.1	906.92	0.06		
608.87	10017.9	24.1	609.76	0.06		
311.97	5096.9	24.1	311.82	-0.01		
14.67	180.1	24.1	14.99	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)

● 20-Dec-17 -0.00

