



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

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

SENSOR SERIAL NUMBER: 16567
CALIBRATION DATE: 26-Feb-25

SBE 37 V2 PRESSURE CALIBRATION DATA
2900 psia S/N 10746510

COEFFICIENTS:

PA0 =	5.555504e-001	PTCA0 =	5.239177e+005
PA1 =	9.000207e-003	PTCA1 =	4.179029e+000
PA2 =	-1.600444e-010	PTCA2 =	-5.791453e-002
PTEMPA0 =	-6.043745e+001	PTCB0 =	3.102623e+005
PTEMPA1 =	5.479113e-002	PTCB1 =	2.838034e+001
PTEMPA2 =	-8.610356e-007	PTCB2 =	-4.901579e-001

PRESSURE SPAN CALIBRATION

THERMAL CORRECTION

PRESSURE (PSIA)	INSTRUMENT OUTPUT (counts)	THERMISTOR OUTPUT (counts)	COMPUTED PRESSURE (PSIA)	RESIDUAL (%FSR)	TEMP (°C)	THERMISTOR OUTPUT (counts)	INSTRUMENT OUTPUT (counts)
14.57	525559.0	1539.4	14.74	0.01	32.50	1744	525637.16
591.48	589778.4	1542.6	591.31	-0.01	29.00	1677	525638.74
1168.51	654208.4	1543.4	1168.45	-0.00	24.00	1581	525636.23
1745.75	718814.0	1544.2	1745.84	0.00	18.50	1475	525623.96
2322.86	783531.4	1545.4	2322.88	0.00	15.00	1408	525609.98
2900.02	848389.4	1546.8	2899.83	-0.01	4.50	1208	525581.82
2322.68	783530.2	1545.6	2322.87	0.01	1.00	1142	525570.85
1745.71	718817.2	1545.2	1745.86	0.01	TEMPERATURE (°C) SPAN		
1168.56	654215.2	1545.2	1168.51	-0.00			
591.35	589757.0	1544.6	591.12	-0.01			
14.56	525548.2	1545.4	14.63	0.00			
					2.28	310324.54	
					24.15	310661.78	
					32.73	310666.09	

y = thermistor output (counts)

t = PTEMPA0 + PTEMPA1 * y + PTEMPA2 * y²

x = instrument output - PTCA0 - PTCA1 * t - PTCA2 * t²

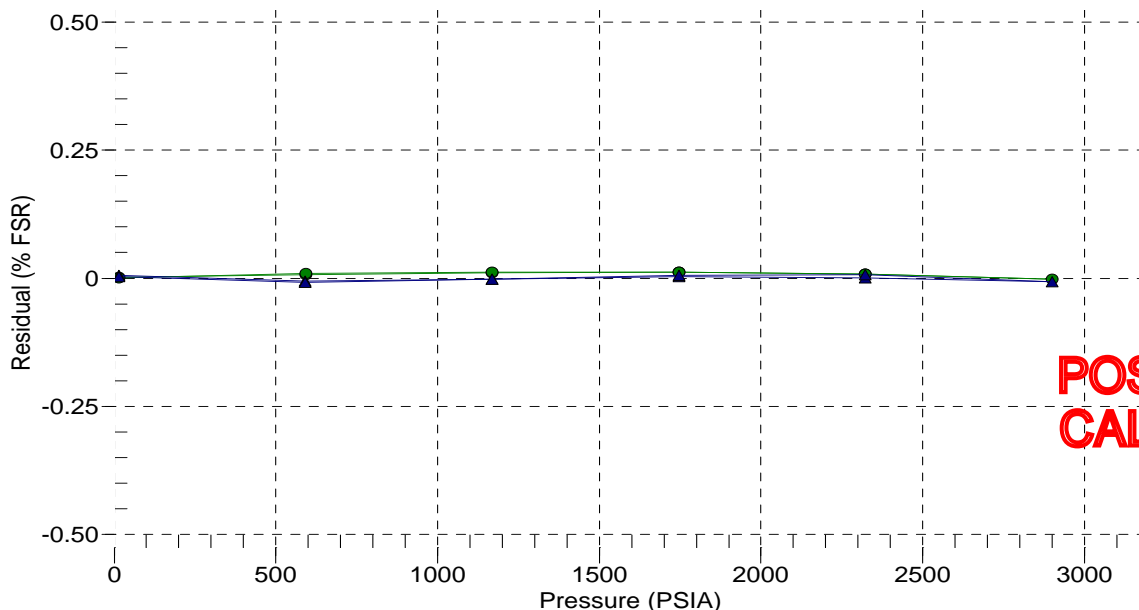
n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t²)

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

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

Date, Offset (%FSR)

● 24-Jan-18 0.01
▲ 26-Feb-25 0.00



**POST CRUISE
CALIBRATION**