



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

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

SENSOR SERIAL NUMBER: 16564
CALIBRATION DATE: 24-Feb-25

SBE 37 V2 PRESSURE CALIBRATION DATA
2900 psia S/N 10746503

COEFFICIENTS:

PA0 =	2.571933e-001	PTCA0 =	5.239524e+005
PA1 =	9.038178e-003	PTCA1 =	-1.278925e-001
PA2 =	-1.660178e-010	PTCA2 =	7.898960e-002
PTEMPA0 =	-5.958447e+001	PTCB0 =	3.120815e+005
PTEMPA1 =	5.338414e-002	PTCB1 =	2.437107e+001
PTEMPA2 =	-5.922615e-007	PTCB2 =	-4.797583e-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)
14.40	525569.4	1530.4	14.58	0.01	32.50	1759	525700.60
591.39	589499.4	1534.6	591.11	-0.01	29.00	1691	525688.31
1168.87	653704.2	1536.2	1168.77	-0.00	24.00	1594	525668.56
1745.81	718006.8	1537.6	1745.94	0.00	18.50	1487	525647.70
2322.90	782450.0	1539.2	2322.99	0.00	15.00	1420	525635.97
2900.09	847032.2	1540.4	2899.90	-0.01	4.50	1217	525627.12
2323.01	782463.6	1541.2	2323.10	0.00	1.00	1150	525622.40
1745.75	718004.4	1541.6	1745.90	0.01	TEMPERATURE (°C) SPAN		
1168.62	653687.6	1541.4	1168.61	-0.00			
591.45	589517.6	1542.4	591.26	-0.01			
14.38	525562.6	1546.4	14.49	0.00			
					2.32	312135.58	
					24.31	312390.47	
					32.52	312366.73	

y = thermistor output (counts)

t = PTEMPA0 + PTEMPA1 * y + PTEMPA2 * y²

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

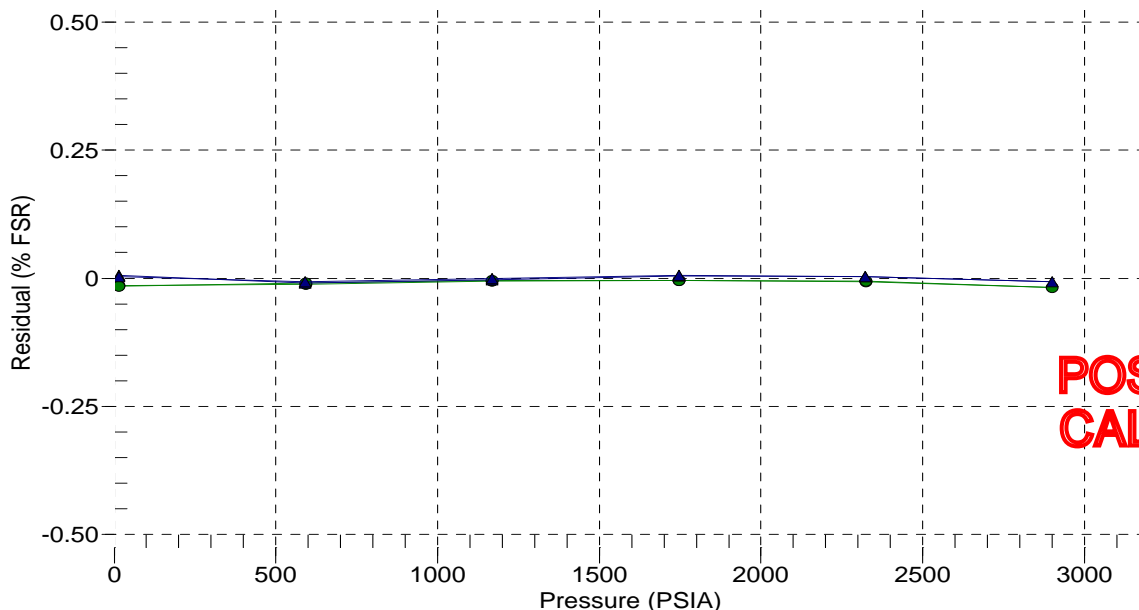
n = x * PTCB0 / (PTCB0 + PTCB1 * t + PTCB2 * t²)

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

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

Date, Offset (%FSR)

● 22-Jan-18 -0.01
▲ 24-Feb-25 0.00



**POST CRUISE
CALIBRATION**