



Sea-Bird Scientific  
13431 NE 20<sup>th</sup> Street  
Bellevue, WA 98005  
USA

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

SENSOR SERIAL NUMBER: 0819  
CALIBRATION DATE: 13-Nov-23

SBE 37 PRESSURE CALIBRATION DATA  
1500 psia S/N 192103

#### COEFFICIENTS:

PA0 = 5.459116e+000  
PA1 = 6.015071e-002  
PA2 = 1.906036e-008

PTCA1 = 8.849043e-001

PTCA2 = 3.293084e-002

#### PRESSURE SPAN CALIBRATION

#### THERMAL CORRECTION

| PRESSURE<br>(PSIA) | INSTRUMENT<br>OUTPUT (counts) | TEMPERATURE<br>(°C) | COMPUTED<br>PRESSURE (PSIA) | RESIDUAL<br>(%FSR) | TEMP<br>(°C) | INSTRUMENT<br>OUTPUT (counts) |
|--------------------|-------------------------------|---------------------|-----------------------------|--------------------|--------------|-------------------------------|
| 14.52              | 191.8                         | 25.2                | 14.40                       | -0.01              | 32.50        | 222.20                        |
| 310.83             | 5102.1                        | 25.2                | 310.24                      | -0.04              | 29.00        | 210.21                        |
| 608.04             | 10017.5                       | 25.2                | 607.32                      | -0.05              | 24.00        | 199.26                        |
| 905.19             | 14919.9                       | 25.2                | 904.52                      | -0.04              | 18.50        | 185.72                        |
| 1202.39            | 19811.4                       | 25.2                | 1201.97                     | -0.03              | 15.00        | 176.68                        |
| 1499.55            | 24689.1                       | 25.2                | 1499.50                     | -0.00              | 4.50         | 166.47                        |
| 1202.40            | 19825.9                       | 25.2                | 1202.86                     | 0.03               | 1.00         | 156.43                        |
| 905.20             | 14943.4                       | 25.2                | 905.94                      | 0.05               |              |                               |
| 608.03             | 10041.2                       | 25.2                | 608.75                      | 0.05               |              |                               |
| 310.88             | 5120.3                        | 25.2                | 311.33                      | 0.03               |              |                               |
| 14.53              | 197.5                         | 25.2                | 14.73                       | 0.01               |              |                               |

t = temperature (°C)

n = instrument output - (PTCA1 \* t + PTCA2 \* t<sup>2</sup>)

pressure (PSIA) = PA0 + PA1 \* n + PA2 \* n<sup>2</sup>

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

