

# Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0768

CALIBRATION DATE: 25-Apr-16

SBE 9plus PRESSURE CALIBRATION DATA

10000 psia S/N 92973

## DIGIQUARTZ COEFFICIENTS:

C1 = -4.481307e+004

C2 = -6.537544e-001

C3 = 1.443500e-002

D1 = 3.647800e-002

D2 = 0.000000e+000

T1 = 3.040635e+001

T2 = -4.851470e-004

T3 = 4.277270e-006

T4 = 2.826110e-009

T5 = 0.000000e+000

## AD590M, AD590B, SLOPE AND OFFSET:

AD590M = 1.28544e-002

AD590B = -8.44356e+000

Slope = 0.99995

Offset = -1.8320 (dbars)

| PRESSURE<br>(PSIA) | INSTRUMENT<br>OUTPUT (Hz) | INSTRUMENT<br>TEMPERATURE (°C) | INSTRUMENT<br>PRESSURE (PSIA) | CORRECTED<br>PRESSURE (PSIA) | RESIDUAL<br>(PSIA) |
|--------------------|---------------------------|--------------------------------|-------------------------------|------------------------------|--------------------|
| 14.710             | 32903.90                  | 23.2                           | 17.416                        | 14.759                       | 0.049              |
| 2001.363           | 33623.80                  | 23.3                           | 2004.011                      | 2001.256                     | -0.107             |
| 3988.278           | 34326.60                  | 23.4                           | 3991.342                      | 3988.488                     | 0.210              |
| 5975.259           | 35013.00                  | 23.5                           | 5978.289                      | 5975.337                     | 0.078              |
| 7962.229           | 35684.10                  | 23.5                           | 7965.293                      | 7962.243                     | 0.014              |
| 9949.402           | 36340.80                  | 23.5                           | 9952.456                      | 9949.307                     | -0.095             |
| 7962.356           | 35684.20                  | 23.6                           | 7965.541                      | 7962.491                     | 0.135              |
| 5975.102           | 35012.90                  | 23.6                           | 5977.851                      | 5974.899                     | -0.203             |
| 3988.188           | 34326.60                  | 23.7                           | 3991.086                      | 3988.232                     | 0.044              |
| 2001.366           | 33623.90                  | 23.7                           | 2003.976                      | 2001.220                     | -0.146             |
| 14.712             | 32904.10                  | 23.9                           | 17.390                        | 14.733                       | 0.021              |

Residual (PSIA) = corrected instrument pressure - reference pressure

