

SEA-BIRD ELECTRONICS, INC.

1808 136th Place N.E., Bellevue, Washington, 98005 USA

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SENSOR SERIAL NUMBER: 0442
CALIBRATION DATE: 09-Sep-08

SBE 38 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 6.328575e-005
a1 = 2.730013e-004
a2 = -2.355430e-006
a3 = 1.507858e-007

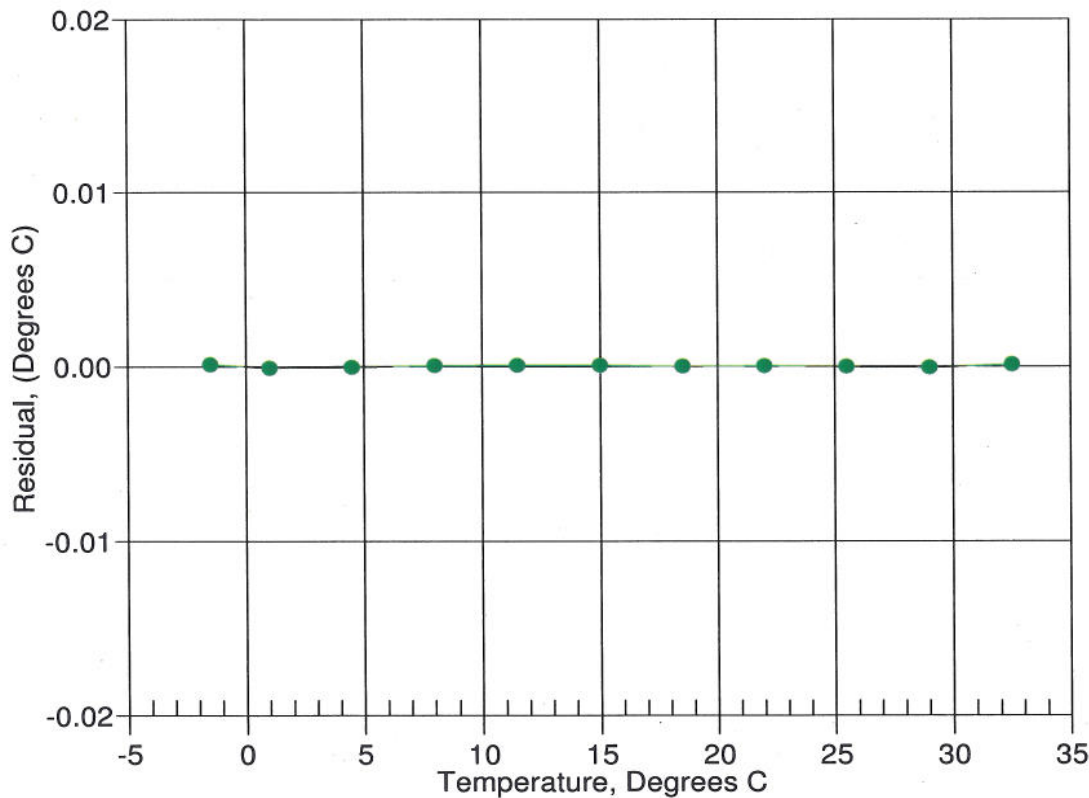
| BATH TEMP (ITS-90) | INSTRUMENT OUTPUT | INST TEMP (ITS-90) | RESIDUAL (ITS-90) |
|-----------------------|----------------------|-----------------------|----------------------|
| -1.50010 | 706511.0 | -1.50002 | 0.00008 |
| 0.99990 | 629583.9 | 0.99981 | -0.00009 |
| 4.49990 | 537320.7 | 4.49984 | -0.00006 |
| 7.99990 | 460111.3 | 7.99992 | 0.00002 |
| 11.49990 | 395277.2 | 11.49995 | 0.00005 |
| 14.99990 | 340650.7 | 14.99995 | 0.00005 |
| 18.50000 | 294472.8 | 18.49999 | -0.00001 |
| 21.99990 | 255314.1 | 21.99991 | 0.00001 |
| 25.49990 | 222003.0 | 25.49987 | -0.00003 |
| 29.00000 | 193580.6 | 28.99991 | -0.00009 |
| 32.49990 | 169258.7 | 32.49997 | 0.00007 |

Temperature ITS-90 = $1 / \{a_0 + a_1[\ln(n)] + a_2[\ln^2(n)] + a_3[\ln^3(n)]\} - 273.15$ (°C)

Residual = instrument temperature - bath temperature

Date, Delta T (mdeg C)

09-Sep-08 0.00





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SBE Pressure Test Certificate

Test Date: 4/14/2008 Description SBE-38 Digital Thermometer

Job Number: 52209 Customer Name NOAA/PMC

SBE Sensor Information:

Model Number: 38

Serial Number: 0442

Pressure Sensor Information:

Sensor Type: None

Sensor Serial Number: None

Sensor Rating: 0

Pressure Test Protocol:

Low Pressure Test: 45 PSI Held For 30 Minutes

High Pressure Test: 10000 PSI Held For 30 Minutes

Passed Test:

Tested By: JS

