

SEA-BIRD ELECTRONICS, INC.

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

Phone: (425) 643 - 9866 Fax (425) 643 - 9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 0047
CALIBRATION DATE: 28-Jan-07

90340 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

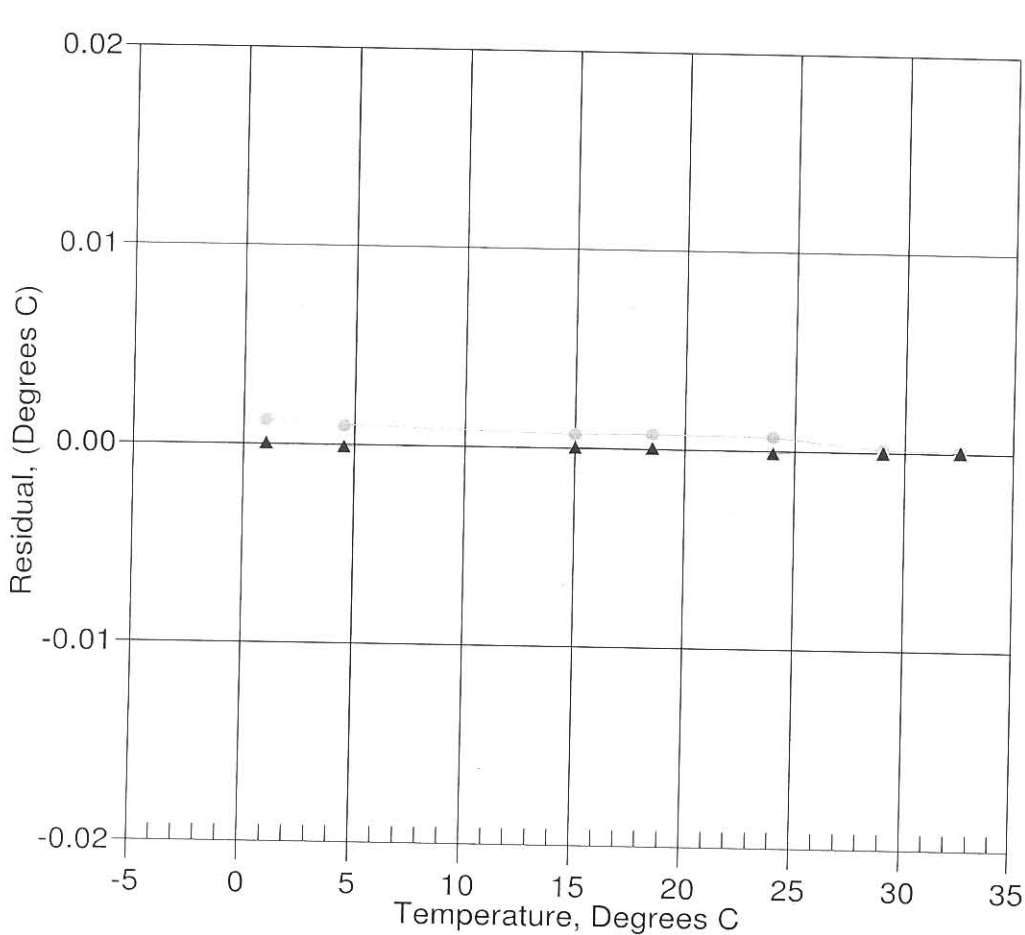
ITS-90 COEFFICIENTS

a0 = -4.465960e-006
a1 = 2.751270e-004
a2 = -2.298342e-006
a3 = 1.538753e-007

| BATH TEMP (ITS-90) | INSTRUMENT OUTPUT | INST TEMP (ITS-90) | RESIDUAL (ITS-90) |
|-----------------------|----------------------|-----------------------|----------------------|
| 1.0000 | 677713.0 | 1.0000 | 0.0001 |
| 4.5000 | 580215.9 | 4.4999 | -0.0001 |
| 15.0000 | 371151.2 | 15.0000 | 0.0001 |
| 18.5000 | 321750.2 | 18.5001 | 0.0001 |
| 24.0000 | 258571.4 | 23.9999 | -0.0001 |
| 29.0000 | 213234.1 | 29.0000 | -0.0000 |
| 32.5000 | 186923.5 | 32.5001 | 0.0000 |

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

Residual = instrument temperature - bath temperature



Date, Delta T (mdeg C)

| | | |
|---|-----------|------|
| ● | 05-Mar-05 | 0.66 |
| ▲ | 28-Jan-07 | 0.00 |