

SEA-BIRD ELECTRONICS, INC.

13431 NE 20th Street, Bellevue, Washington, 98005-2010 USA

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

SENSOR SERIAL NUMBER: 0471
CALIBRATION DATE: 07-Jul-10

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.219735e-005
a1 = 2.750868e-004
a2 = -2.345846e-006
a3 = 1.529374e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	665666.7	0.9998	-0.0001
4.5000	569305.0	4.5001	0.0001
15.0000	363117.0	14.9998	-0.0002
18.5000	314492.6	18.5001	0.0001
24.0000	252385.9	24.0000	0.0000
29.0000	207880.9	29.0001	0.0001
32.5000	182081.9	32.5000	-0.0000

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

