

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: 4254
CALIBRATION DATE: 02-Jul-10

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.770193e-005

a1 = 2.750117e-004

a2 = -2.186263e-006

a3 = 1.516004e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	677911.1	1.0000	-0.0000
4.5000	580884.0	4.5001	0.0001
15.0000	372521.7	14.9998	-0.0002
18.5000	323196.9	18.5001	0.0001
24.0000	260055.4	24.0001	0.0001
29.0000	214696.6	28.9999	-0.0001
32.5000	188346.1	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

