

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: 3764
CALIBRATION DATE: 22-Dec-10

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -7.139730e-005
a1 = 2.899962e-004
a2 = -3.338009e-006
a3 = 1.825787e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	645058.4	1.0000	-0.0000
4.5000	552851.0	4.5000	0.0000
15.0000	354742.7	15.0000	-0.0000
18.5000	307830.6	18.5000	-0.0000
24.0000	247758.9	24.0000	0.0000
29.0000	204594.2	29.0000	0.0000
32.5001	179516.3	32.5001	-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

