

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: 3531
CALIBRATION DATE: 02-Dec-10

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.226702e-004

a1 = 3.034919e-004

a2 = -4.043903e-006

a3 = 1.923189e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	825159.8	1.0001	0.0001
4.5000	707842.8	4.4998	-0.0002
15.0000	455442.7	14.9995	-0.0005
18.5000	395565.5	18.5008	0.0008
24.0000	318856.3	24.0003	0.0003
29.0000	263686.1	28.9988	-0.0012
32.5000	231576.9	32.5007	0.0007

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

