

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: 3722
CALIBRATION DATE: 10-Dec-09

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.511255e-004

a1 = 3.089114e-004

a2 = -4.864467e-006

a3 = 2.221965e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	656011.6	0.9997	-0.0003
4.5000	562063.7	4.5005	0.0005
15.0000	360359.2	14.9999	-0.0001
18.4999	312623.5	18.4994	-0.0005
24.0000	251504.1	24.0000	-0.0000
29.0000	207602.8	29.0010	0.0010
32.5001	182122.2	32.4995	-0.0006

Temperature ITS-90 = $1/[a0 + a1[\ln(n)] + a2[\ln^2(n)] + a3[\ln^3(n)]] - 273.15$ (°C)

Residual = instrument temperature - bath temperature

