

Sea-Bird Electronics, Inc.

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

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 1866
CALIBRATION DATE: 15-Jan-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 6.637024e-006

a1 = 2.718525e-004

a2 = -2.002372e-006

a3 = 1.504374e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	650704.6	1.0000	0.0000
4.5000	557807.9	4.4999	-0.0001
15.0000	358113.5	15.0000	-0.0000
18.5000	310799.3	18.5001	0.0001
24.0000	250199.1	23.9999	-0.0001
29.0000	206635.5	29.0000	0.0000
32.5000	181320.3	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

