

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: 2332
CALIBRATION DATE: 05-Jan-11

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 2.807217e-005
a1 = 2.760417e-004
a2 = -3.095272e-006
a3 = 1.890157e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	710107.1	0.9999	-0.0001
4.5000	607571.1	4.5001	0.0001
14.9999	387738.4	14.9999	-0.0000
18.5000	335813.5	18.4999	-0.0001
24.0000	269437.1	24.0000	-0.0000
29.0000	221842.0	29.0002	0.0002
32.5000	194244.1	32.4999	-0.0001

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

