

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: 3764
CALIBRATION DATE: 18-Jan-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -5.640467e-005
a1 = 2.864164e-004
a2 = -3.051147e-006
a3 = 1.748603e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9997	645142.5	0.9999	0.0002
4.4999	552917.3	4.4996	-0.0003
15.0000	354756.4	15.0003	0.0003
18.5000	307841.4	18.5000	0.0000
24.0000	247764.7	23.9998	-0.0002
29.0000	204595.3	28.9999	-0.0001
32.5000	179513.7	32.5001	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

