

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: 3762
CALIBRATION DATE: 17-Dec-11

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 1.445540e-006
a1 = 2.737303e-004
a2 = -2.092013e-006
a3 = 1.504916e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	642019.2	1.0000	0.0000
4.5000	550195.4	4.5000	-0.0000
15.0000	352943.2	15.0000	0.0000
18.5000	306242.5	18.5000	0.0000
24.0000	246445.7	24.0000	0.0000
29.0000	203482.1	28.9999	-0.0001
32.4999	178521.9	32.4999	0.0000

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

Residual = instrument temperature - bath temperature

