

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: 3766
CALIBRATION DATE: 16-Dec-11

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 6.885417e-005
a1 = 2.632444e-004
a2 = -1.276743e-006
a3 = 1.301865e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	591604.5	1.0001	0.0001
4.4999	506940.0	4.4998	-0.0001
14.9999	325092.5	15.0000	0.0001
18.5000	282049.0	18.5000	-0.0000
24.0000	226940.9	23.9999	-0.0001
29.0000	187348.9	29.0000	-0.0000
32.5000	164349.7	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

