

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: 9309
CALIBRATION DATE: 09-Nov-13

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -8.019227e-005
a1 = 3.061540e-004
a2 = -4.620117e-006
a3 = 2.048029e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	579870.0	1.0000	-0.0000
4.5000	495164.0	4.5000	0.0000
15.0000	314488.0	15.0000	-0.0000
18.5000	272033.0	18.5001	0.0001
24.0000	217910.0	23.9998	-0.0002
29.0000	179210.0	29.0002	0.0002
32.5002	156816.0	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

