

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: 0416
CALIBRATION DATE: 30-Oct-13

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.033019e-004

a1 = 3.154188e-004

a2 = -4.967428e-006

a3 = 2.187511e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	638241.5	1.0000	0.0000
4.4999	547353.0	4.4998	-0.0001
15.0000	351911.0	15.0001	0.0001
18.5000	305591.1	18.5001	0.0001
24.0000	246246.1	23.9999	-0.0001
29.0000	203571.5	29.0000	0.0000
32.5000	178764.3	32.5000	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

