Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1428 CALIBRATION DATE: 12-Feb-14

SBE 39 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 3.117419e-005 a1 = 2.659374e-004 a2 = -1.788157e-006a3 = 1.372137e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	859615.0	-1.5000	0.0000
1.0000	766709.8	1.0000	-0.0000
4.5000	655165.3	4.5000	-0.0000
8.0000	561701.0	8.0000	-0.0000
11.5000	483117.0	11.5000	0.0000
15.0000	416824.7	15.0000	0.0000
18.5000	360718.6	18.5000	0.0000
22.0000	313083.2	22.0000	0.0000
25.5000	272516.1	25.5000	-0.0000
29.0000	237864.3	29.0000	-0.0000
32.5000	208178.8	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

Date, Delta T (mdeg C)

