Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0510 CALIBRATION DATE: 13-Jan-12

SBE 39 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.776746e - 005a1 = 2.818918e - 004a2 = -2.745762e-006a3 = 1.718722e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5001	662447.4	-1.5001	0.0000
0.9999	592419.8	0.9999	-0.0000
4.4999	508070.9	4.4999	-0.0000
7.9999	437132.4	7.9999	-0.0000
11.4999	377271.9	11.4999	0.0000
14.9999	326596.3	15.0000	0.0001
18.4999	283561.7	18.4999	0.0000
21.9999	246903.3	21.9999	-0.0000
25.4999	215582.9	25.4998	-0.0001
28.9999	188745.0	28.9999	-0.0000
32.4999	165683.2	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

Date, Delta T (mdeg C)

