Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0581 CALIBRATION DATE: 08-Dec-11

SBE 39 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 3.703196e - 005a1 = 2.690027e-004a2 = -2.099979e-006a3 = 1.497861e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5001	798979.5	-1.5001	0.0000
0.9999	712896.7	0.9999	-0.0000
4.4999	609487.2	4.4999	-0.0000
7.9999	522785.4	7.9999	-0.0000
11.4999	449844.0	11.4999	-0.0000
14.9999	388276.1	14.9999	0.0000
18.4999	336141.6	18.4999	0.0000
21.9999	291856.5	21.9999	0.0000
25.4999	254125.0	25.4999	-0.0000
28.9999	221881.3	28.9999	-0.0000
32.4999	194248.3	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)

