Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1422 CALIBRATION DATE: 10-May-12 SBE 39 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -3.313655e-005a1 = 2.758785e - 004a2 = -2.413366e-006a3 = 1.552053e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	857607.4	-1.5000	0.0000
0.9998	765782.7	0.9998	-0.0000
4.5000	655373.4	4.5000	0.0000
8.0001	562723.0	8.0001	-0.0000
11.5000	484708.0	11.5000	0.0000
15.0001	418797.0	15.0001	-0.0000
18.5001	362934.3	18.5001	0.0000
22.0002	315439.2	22.0002	0.0000
25.5000	274939.3	25.5000	-0.0000
29.0001	240296.6	29.0001	-0.0000
32.5000	210582.2	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)

