SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1640 CALIBRATION DATE: 21-Jan-11

SBE 39 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.395918e - 005a1 = 2.757934e-004a2 = -2.264260e-006a3 = 1.539229e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	769272.8	-1.5000	0.0000
1.0000	687526.3	1.0000	-0.0000
4.4999	589144.3	4.4999	-0.0000
7.9999	506476.7	7.9999	0.0000
11.5000	436783.0	11.5000	-0.0000
15.0000	377833.8	15.0001	0.0001
18.5000	327815.4	18.5000	-0.0000
21.9999	285240.2	21.9999	0.0000
25.5000	248891.8	25.5000	-0.0000
29.0000	217768.7	28.9999	-0.0001
32.4999	191043.3	32.5000	0.0001

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)

