SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 1773 CALIBRATION DATE: 21-Jan-11 SBE 39 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.504066e-005 a1 = 2.758153e-004 a2 = -2.285302e-006 a3 = 1.543044e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	778853.7	-1.5000	0.0000
1.0000	696025.5	1.0000	-0.0000
4.4999	596351.7	4.4999	-0.0000
7.9999	512610.8	7.9999	0.0000
11.5000	442019.6	11.5000	-0.0000
15.0000	382318.5	15.0000	-0.0000
18.5000	331665.9	18.5000	0.0000
21.9999	288556.9	22.0000	0.0001
25.5000	251757.4	25.5000	-0.0000
29.0000	220251.4	28.9999	-0.0001
32.4999	193199.6	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

 $Date, Delta \ T \ (mdeg \ C)$



