Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1635 CALIBRATION DATE: 09-Dec-11 SBE 39 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -2.003974e-004 a1 = 3.053960e-004 a2 = -4.276763e-006a3 = 2.013149e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5001	841299.2	-1.5001	0.0000
0.9999	752425.3	0.9999	-0.0000
4.4999	645385.1	4.4999	-0.0000
7.9999	555368.3	7.9999	0.0000
11.4999	479415.9	11.4999	0.0000
14.9999	415119.7	14.9999	0.0000
18.4999	360517.8	18.4999	0.0000
21.9999	314005.6	21.9999	0.0000
25.4999	274265.6	25.4998	-0.0001
28.9999	240210.9	28.9999	-0.0000
32.4999	210944.9	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 ($mdeg\ C$)



