## Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0554 CALIBRATION DATE: 11-Feb-14 SBE 39 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

## **ITS-90 COEFFICIENTS**

a0 = 6.079382e-005 a1 = 2.671264e-004 a2 = -2.003973e-006a3 = 1.475759e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	771109.8	-1.4999	0.0001
1.0000	687825.5	1.0000	-0.0000
4.5000	587807.9	4.5000	-0.0000
8.0000	503983.6	8.0000	-0.0000
11.5000	433490.4	11.5000	0.0000
15.0000	374011.9	15.0001	0.0001
18.5000	323666.5	18.5001	0.0001
22.0000	280917.6	22.0000	-0.0000
25.5000	244508.0	25.4999	-0.0001
29.0000	213405.0	28.9999	-0.0001
32.5000	186758.0	32.5001	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)



