Sea-Bird Electronics, Inc.
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SENSOR SERIAL NUMBER: 5473
CALIBRATION DATE: 03-Mar-15

SBE 39 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:
a0 = -1.571325e-004
a1 = 3.115530e-004
a2 = -4.550904e-006
a3 = 2.037006e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	639517.5	-1.5000	-0.0000
0.9999	571534.6	1.0000	0.0001
4.4999	489749.2	4.4999	-0.0000
8.0000	421055.8	7.9999	-0.0001
11.4999	363164.0	11.4999	0.0000
15.0000	314211.6	15.0000	-0.0000
18.4999	272685.4	18.4999	0.0000
21.9999	237345.7	22.0000	0.0001
25.4999	207180.6	25.4999	-0.0000
28.9999	181354.2	28.9998	-0.0001
32.4999	159177.6	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

n = instrument output

Date, Slope Correction
● 25-Aug-11 -0.24
▲ 03-Mar-15   0.00

POST CRUISE CALIBRATION