Sea-Bird Electronics, Inc.
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SENSOR SERIAL NUMBER: 0816
CALIBRATION DATE: 03-Mar-15

SBE 39 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:
a0 = 9.261288e-006
a1 = 2.734724e-004
a2 = -2.311519e-006
a3 = 1.476293e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	831039.8	-1.5000	-0.0000
0.9999	740881.6	0.9999	0.0000
4.4999	632703.6	4.4999	0.0000
8.0000	542122.8	7.9999	-0.0001
11.4999	466016.4	11.4999	0.0000
15.0000	401854.3	15.0000	-0.0000
18.4999	347587.2	18.4999	0.0000
21.9999	301540.8	21.9999	0.0000
25.4999	262349.7	25.4999	-0.0000
28.9999	228892.4	28.9999	-0.0000
32.4999	200246.1	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
- ● 17-Jan-12 -0.26
- ▲ 03-Mar-15   0.00

POST CRUISE
CALIBRATION