## Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0570 CALIBRATION DATE: 08-Dec-11

SBE 39 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

## **ITS-90 COEFFICIENTS**

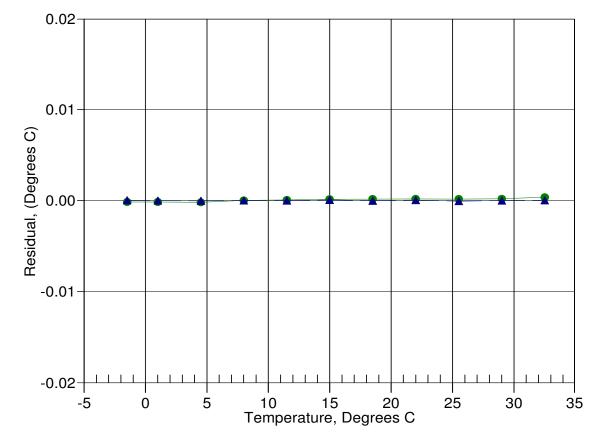
a0 = -8.812357e-006 a1 = 2.773477e-004 a2 = -2.502480e-006a3 = 1.623417e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5001	735505.2	-1.5001	0.0000
0.9999	657186.6	0.9999	-0.0000
4.4999	562949.5	4.4999	-0.0000
7.9999	483787.9	7.9999	0.0000
11.4999	417068.2	11.4999	-0.0000
14.9999	360648.2	15.0000	0.0001
18.4999	312789.8	18.4999	-0.0000
21.9999	272064.3	21.9999	0.0000
25.4999	237307.4	25.4998	-0.0001
28.9999	207554.5	28.9999	-0.0000
32.4999	182014.2	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

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



● 03-Aug-07 0.07 ▲ 08-Dec-11 0.00