## Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0041 CALIBRATION DATE: 01-Oct-13

SBE GLIDER PAYLOAD CTD TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

## **ITS-90 COEFFICIENTS**

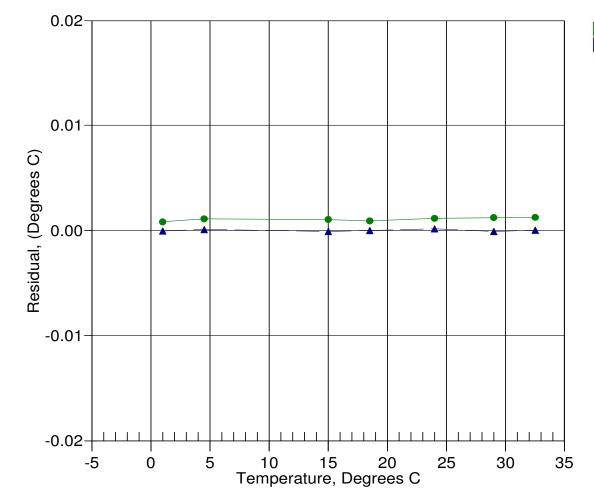
a0 = -1.555107e-004 a1 = 3.190713e-004 a2 = -5.459046e-006 a3 = 2.276784e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	576296.6	1.0000	-0.0000
4.5000	492821.1	4.5001	0.0001
15.0000	314307.5	14.9999	-0.0001
18.5000	272240.4	18.5000	-0.0000
24.0000	218521.4	24.0002	0.0002
29.0000	180045.2	28.9999	-0.0001
32.5000	157743.5	32.5000	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-Nov-11 1.07 ▲ 01-Oct-13 -0.00