## Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0041 CALIBRATION DATE: 25-Sep-13

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

## **ITS-90 COEFFICIENTS**

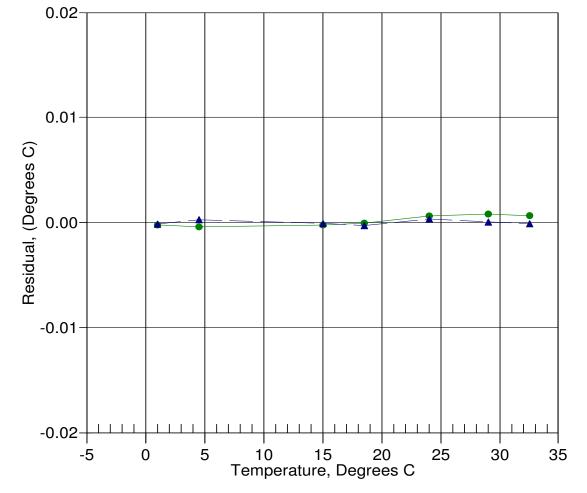
a0 = -5.080084e-005 a1 = 2.939984e-004 a2 = -3.459869e-006a3 = 1.746050e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	576271.2	0.9999	-0.0001
4.5000	492784.4	4.5003	0.0003
15.0000	314290.4	14.9999	-0.0001
18.5000	272232.7	18.4997	-0.0003
24.0000	218515.3	24.0003	0.0003
29.0000	180041.3	29.0000	0.0000
32.5000	157740.7	32.4999	-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)



03-Nov-11 0.15 25-Sep-13 -0.00