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SENSOR SERIAL NUMBER: 1362
CALIBRATION DATE: 19-May-26

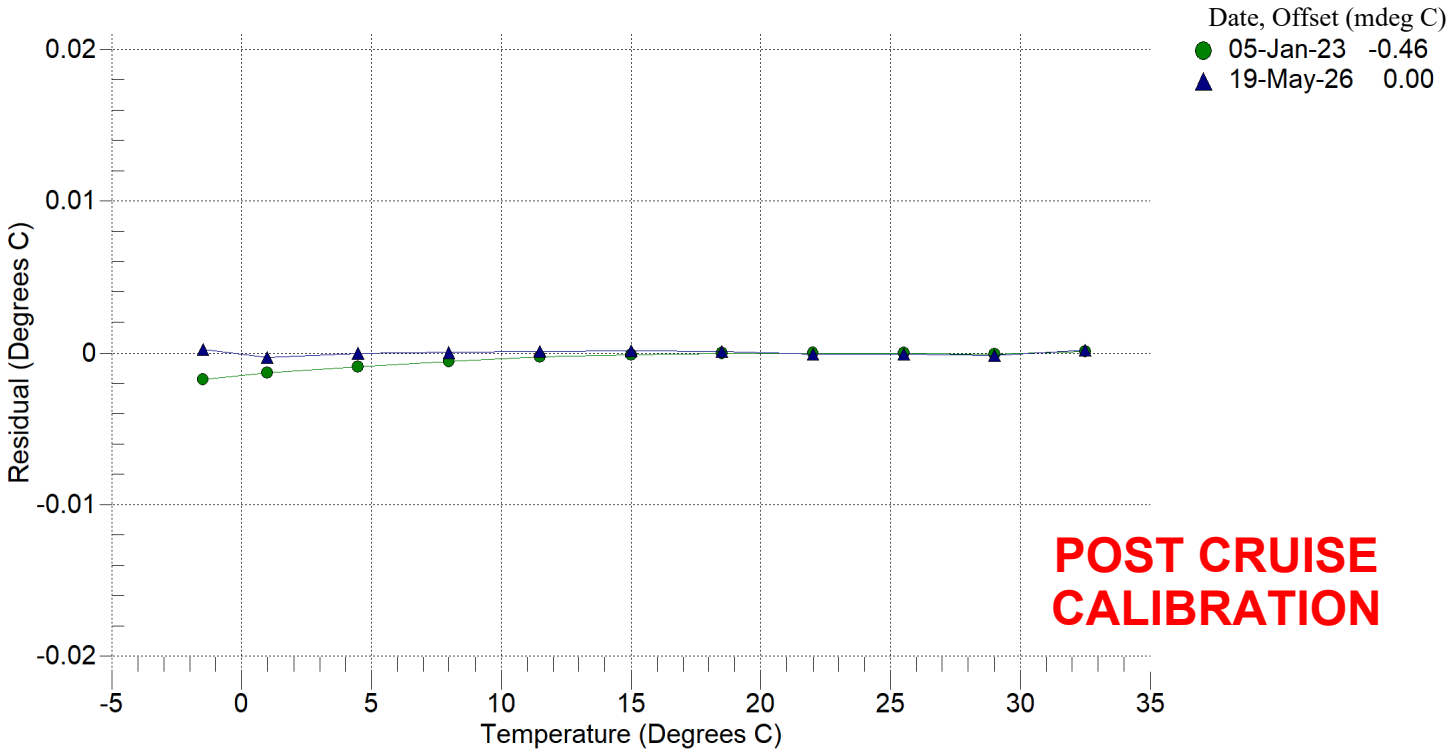
SBE 38 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -6.703223e-05
a1 = 2.871614e-04
a2 = -3.262563e-06
a3 = 1.763061e-07

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	813769.2	-1.4998	0.0002
1.0000	726504.3	0.9997	-0.0003
4.5000	621587.6	4.5000	-0.0000
8.0000	533572.7	8.0000	0.0000
11.5000	459480.6	11.5001	0.0001
15.0000	396903.1	15.0001	0.0001
18.5000	343882.8	18.5001	0.0001
22.0000	298817.5	21.9999	-0.0001
25.5000	260396.2	25.4999	-0.0001
29.0000	227543.3	28.9998	-0.0002
32.5001	199366.8	32.5003	0.0002

n = Instrument Output (counts)

Temperature ITS-90 (°C) = $1/\{a0 + a1[ln(n)] + a2[ln^2(n)] + a3[ln^3(n)]\} - 273.15$

Residual (°C) = instrument temperature - bath temperature