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SENSOR SERIAL NUMBER: 0647
CALIBRATION DATE: 19-May-26

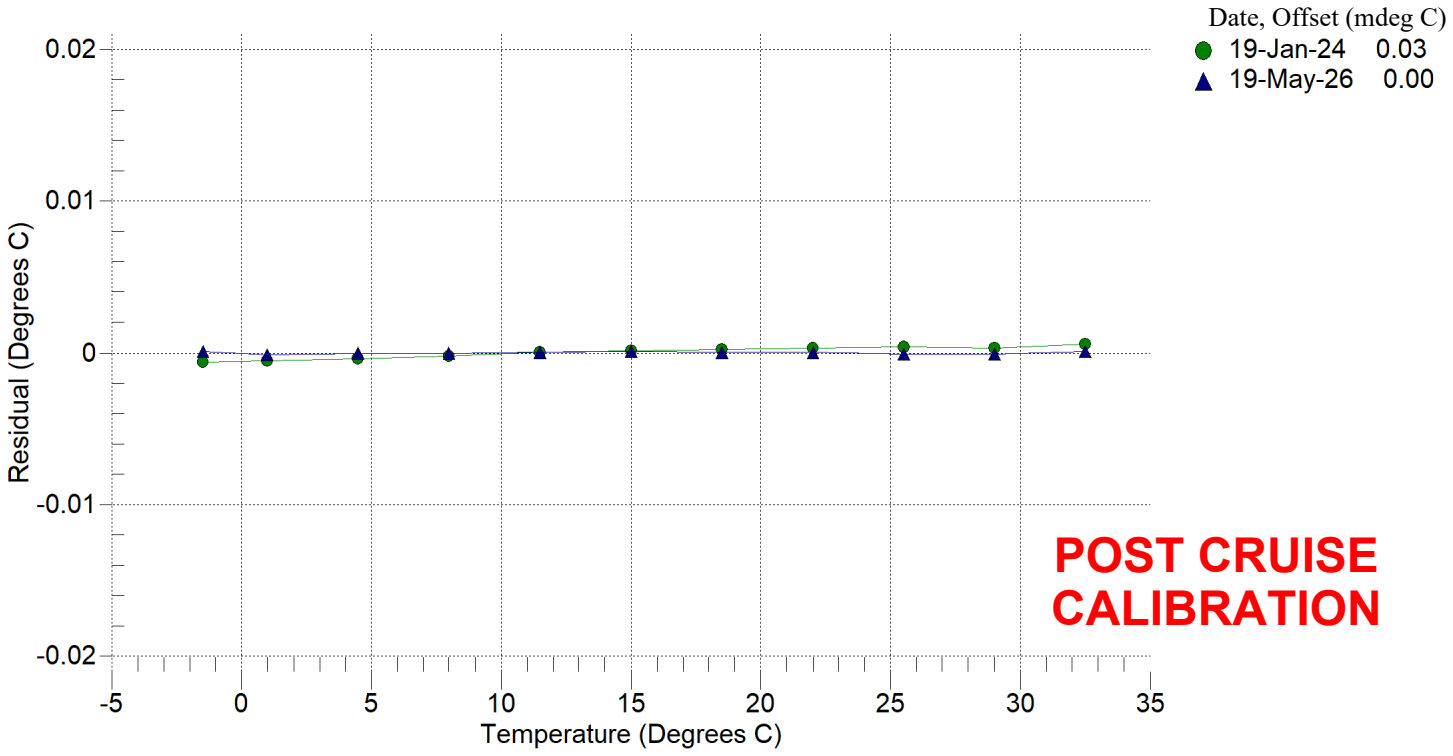
SBE 38 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 =	5.208356e-05
a1 =	2.679268e-04
a2 =	-2.049087e-06
a3 =	1.399428e-07

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	841048.3	-1.4999	0.0001
1.0000	749041.3	0.9999	-0.0001
4.5000	638765.6	4.5000	-0.0000
8.0000	546559.7	8.0000	-0.0000
11.5000	469190.8	11.5000	0.0000
15.0000	404051.3	15.0001	0.0001
18.5000	349028.7	18.5000	0.0000
22.0000	302400.9	22.0000	0.0000
25.5000	262764.7	25.4999	-0.0001
29.0000	228968.5	28.9999	-0.0001
32.5001	200065.4	32.5002	0.0001

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