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SENSOR SERIAL NUMBER: 9567
CALIBRATION DATE: 11-Apr-25

Slocum Payload CTD TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.083804e-004
a1 = 3.096325e-004
a2 = -4.768306e-006
a3 = 2.083586e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	579500.6	1.0001	0.0001
4.5000	495233.3	4.4999	-0.0001
15.0000	315235.9	15.0001	0.0001
18.5000	272882.9	18.4999	-0.0001
24.0000	218835.2	24.0000	0.0000
29.0000	180155.9	28.9999	-0.0001
32.5001	157751.4	32.5002	0.0001

n = Instrument Output (counts)

Temperature ITS-90 (°C) = $1 / \{a_0 + a_1[\ln(n)] + a_2[\ln^2(n)] + a_3[\ln^3(n)]\} - 273.15$

Residual (°C) = instrument temperature - bath temperature

