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SENSOR SERIAL NUMBER: 9483
CALIBRATION DATE: 14-May-25

Slocum Payload CTD TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.173852e-04
a1 = 3.228132e-04
a2 = -5.326643e-06
a3 = 2.250324e-07

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	567005.1	1.0000	0.0000
4.5000	486336.2	4.5000	0.0000
15.0000	312889.3	14.9999	-0.0001
18.5000	271776.0	18.5001	0.0001
24.0000	219098.9	24.0000	-0.0000
29.0000	181213.5	29.0000	0.0000
32.5000	159186.4	32.5000	0.0000

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

