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SENSOR SERIAL NUMBER: 9406
CALIBRATION DATE: 21-Apr-26

Slocum Payload CTD TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.725029e-04
a1 = 3.121480e-04
a2 = -4.465386e-06
a3 = 2.030446e-07

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	560211.0	1.0001	0.0001
4.5000	480633.6	4.4999	-0.0001
15.0000	309444.6	15.0002	0.0002
18.5000	268852.1	18.4999	-0.0001
24.0000	216816.9	23.9999	-0.0001
29.0000	179380.3	29.0000	0.0000
32.5000	157608.0	32.5000	-0.0000

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

