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SENSOR SERIAL NUMBER: 9406
CALIBRATION DATE: 07-May-26

Slocum Payload CTD TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 =	-2.222874e-04
a1 =	3.237076e-04
a2 =	-5.359123e-06
a3 =	2.260504e-07

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	560231.4	1.0000	-0.0000
4.5000	480644.6	4.5000	0.0000
15.0000	309449.9	15.0000	0.0000
18.5000	268854.2	18.4999	-0.0001
24.0000	216818.6	24.0001	0.0001
29.0000	179386.7	28.9999	-0.0001
32.5000	157615.9	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

