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SENSOR SERIAL NUMBER: 9483  
CALIBRATION DATE: 30-Apr-25

Slocum Payload CTD TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.601926e-04  
a1 = 3.332986e-04  
a2 = -6.180541e-06  
a3 = 2.481521e-07

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0001	567013.0	1.0002	0.0001
4.4999	486358.3	4.4998	-0.0001
14.9999	312897.2	15.0000	0.0001
18.5000	271781.4	18.5001	0.0001
24.0000	219100.0	23.9998	-0.0002
29.0000	181209.9	29.0001	0.0001
32.5000	159182.0	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

