SENSOR SERIAL NUMBER: 9431
CALIBRATION DATE: 30-Apr-25

Slocum Payload CTD TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:
a0 = -2.431277e-004
a1 = 3.328695e-004
a2 = -6.305831e-006
a3 = 2.505259e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
0.9999	576793.4	1.0000	0.0001
4.5000	494137.2	4.4998	-0.0002
14.9999	316774.2	15.0000	0.0001
18.4999	274834.4	18.5000	0.0001
24.0000	221171.8	23.9999	-0.0001
29.0000	182642.4	28.9998	-0.0002
32.5000	160267.8	32.5002	0.0002

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