SENSOR SERIAL NUMBER: 9264
CALIBRATION DATE: 07-Mar-23

Slocum Payload CTD TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.497191e-04
a1 =   3.151397e-04
a2 = -5.055526e-06
a3 =   2.166138e-07

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	578611.6	1.0000	-0.0000
4.5000	495055.8	4.5001	0.0001
15.0000	316212.2	15.0000	-0.0000
18.5000	274027.0	18.5000	0.0000
24.0000	220128.0	23.9998	-0.0002
29.0000	181487.2	29.0003	0.0003
32.5000	159085.2	32.4998	-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