SENSOR SERIAL NUMBER: 9163
CALIBRATION DATE: 02-Nov-19

Slocum Payload CTD TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:
a0 = -1.588087e-004
a1 = 3.188218e-004
a2 = -5.375988e-006
a3 = 2.257978e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	569281.6	1.0000	-0.0000
4.5000	487049.8	4.5000	0.0000
15.0000	311045.0	15.0000	-0.0000
18.5000	269533.6	18.5000	-0.0000
24.0000	216495.0	24.0000	0.0000
29.0000	178479.4	29.0001	0.0001
32.5000	156436.8	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

Date, Offset (mdeg C)
● 04-Mar-14 0.12
▲ 02-Nov-19 -0.00

POST CRUISE CALIBRATION

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