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SENSOR SERIAL NUMBER: 9082
CALIBRATION DATE: 02-Nov-19

Slocum Payload CTD TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.972520e-005
a1 = 2.955857e-004
a2 = -3.786709e-006
a3 = 1.809577e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	577355.6	1.0000	0.0000
4.5000	492733.4	4.5000	-0.0000
15.0000	312447.4	15.0001	0.0001
18.5000	270137.4	18.5000	0.0000
24.0000	216233.0	23.9998	-0.0002
29.0000	177716.4	29.0003	0.0003
32.5000	155443.8	32.4999	-0.0001

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

