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SENSOR SERIAL NUMBER: 0286
CALIBRATION DATE: 24-Mar-19

Glider Payload CTD TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -9.623958e-005
a1 = 3.021876e-004
a2 = -3.971209e-006
a3 = 1.867938e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	573027.6	1.0000	0.0000
4.5000	490286.8	4.5000	-0.0000
15.0000	313201.0	14.9999	-0.0001
18.5000	271430.4	18.5002	0.0002
24.0000	218063.0	23.9999	-0.0001
29.0000	179804.4	29.0000	-0.0000
32.5000	157616.8	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

