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SENSOR SERIAL NUMBER: 0285
CALIBRATION DATE: 24-Mar-19

Glider Payload CTD TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -7.781025e-005
a1 = 2.972331e-004
a2 = -3.616377e-006
a3 = 1.812293e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	568899.4	1.0001	0.0001
4.5000	487129.2	4.4999	-0.0001
15.0000	311833.8	15.0002	0.0002
18.5000	270424.8	18.4998	-0.0002
24.0000	217456.4	24.0001	0.0001
29.0000	179450.0	28.9999	-0.0001
32.5000	157388.2	32.5001	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

