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SENSOR SERIAL NUMBER: 0164
CALIBRATION DATE: 04-Oct-19

Glider Payload CTD TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.484197e-004
a1 = 3.160663e-004
a2 = -5.168979e-006
a3 = 2.209866e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	571149.5	1.0000	0.0000
4.5000	488708.1	4.4999	-0.0001
15.0000	312201.8	14.9999	-0.0001
18.5000	270559.4	18.5001	0.0001
24.0000	217348.0	24.0003	0.0003
29.0000	179208.6	28.9995	-0.0005
32.5000	157082.3	32.5002	0.0002

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

