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SENSOR SERIAL NUMBER: 0026
 CALIBRATION DATE: 23-Dec-17

Glider Payload CTD TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.258078e-005
 a1 = 2.856593e-004
 a2 = -2.727272e-006
 a3 = 1.537891e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	580347.4	1.0000	-0.0000
4.5000	496322.3	4.5001	0.0001
15.0000	316648.3	15.0001	0.0001
18.5000	274310.4	18.4998	-0.0002
24.0000	220231.9	24.0001	0.0001
29.0000	181488.7	29.0001	0.0001
32.5000	159030.4	32.4999	-0.0001

n = Instrument Output (counts)

$$\text{Temperature ITS-90 (°C)} = 1 / \{ a_0 + a_1[\ln(n)] + a_2[\ln^2(n)] + a_3[\ln^3(n)] \} - 273.15$$

Residual (°C) = instrument temperature - bath temperature

