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SENSOR SERIAL NUMBER: 1856 CALIBRATION DATE: 22-Jun-23 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -2.626177e-005 a1 = 2.854006e-004 a2 = -3.085447e-006 a3 = 1.793054e-007

BATH TEMP	INSTRUMENT	INST TEMP	RESIDUAL
(° C)	OUTPUT (counts)	(° C)	(° C)
1.0000	601243.0	1.0000	0.0000
4.5000	515252.5	4.4999	-0.0001
15.0000	330497.2	15.0000	0.0000
18.5000	286751.8	18.5000	-0.0000
24.0000	230737.3	24.0001	0.0001
29.0000	190493.9	28.9999	-0.0001
32.5000	167113.4	32.5001	0.0001

n = Instrument Output (counts)

Temperature ITS-90 (°C) = $1/{a0 + a1[ln(n)] + a2[ln^2(n)] + a3[ln^3(n)]} - 273.15$

Residual ($^{\circ}$ C) = instrument temperature - bath temperature

