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SENSOR SERIAL NUMBER: 1865 CALIBRATION DATE: 04-May-21 SBE 37 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 4.654411e-005 a1 = 2.687881e-004 a2 = -1.739312e-006 a3 = 1.452181e-007

BATH TEMP	INSTRUMENT	INST TEMP	RESIDUAL
(° C)	OUTPUT (counts)	(° C)	(° C)
1.0000	581910.4	0.9999	-0.0001
4.4999	498899.7	4.5000	0.0001
15.0000	320421.1	14.9999	-0.0001
18.5000	278120.4	18.5000	0.0000
24.0000	223931.0	24.0001	0.0001
29.0000	184972.2	29.0000	-0.0000
32.5001	162327.6	32.5001	-0.0000

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

