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SENSOR SERIAL NUMBER: 1162 CALIBRATION DATE: 11-Jan-25 SBE 39 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -1.567485e-004 a1 = 3.180355e-004 a2 = -6.146136e-006 a3 = 2.553819e-007

BATH TEMP	INSTRUMENT	INST TEMP	RESIDUAL
(° C)	OUTPUT (counts)	(° C)	(° C)
-1.5000	825811.8	-1.5000	0.0000
1.0000	736209.5	1.0001	0.0001
4.5000	628657.7	4.4999	-0.0001
8.0000	538566.8	7.9997	-0.0003
11.5000	462842.6	11.5000	0.0000
15.0000	398993.9	15.0004	0.0004
18.5000	344997.9	18.5001	0.0001
22.0000	299184.4	21.9999	-0.0001
25.5000	260195.2	25.4997	-0.0003
29.0000	226914.9	28.9999	-0.0001
32.5000	198426.9	32.5002	0.0002

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

