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SENSOR SERIAL NUMBER: 1163 CALIBRATION DATE: 14-Jan-25 SBE 39 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = -4.627030e-005 a1 = 2.905041e-004 a2 = -3.684836e-006 a3 = 1.839587e-007

BATH TEMP	INSTRUMENT	INST TEMP	RESIDUAL
(° C)	OUTPUT (counts)	(° C)	(° C)
-1.5000	793609.8	-1.4997	0.0003
1.0000	707382.1	0.9998	-0.0002
4.5000	603929.0	4.4994	-0.0006
8.0000	517302.6	7.9999	-0.0001
11.5000	444531.1	11.5007	0.0007
15.0000	383213.0	15.0006	0.0006
18.5000	331376.4	18.4997	-0.0003
22.0000	287393.7	21.9996	-0.0004
25.5000	249968.7	25.4997	-0.0003
29.0001	218026.0	29.0002	0.0001
32.5000	190690.0	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

