SENSOR SERIAL NUMBER: 0043 CALIBRATION DATE: 31-May-17 SBE 49 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 8.334917e-004 a1 = 2.855504e-004 a2 = -2.619344e-006 a3 = 2.039831e-007

BATH TEMP	INSTRUMENT	INST TEMP	RESIDUAL
(° C)	OUTPUT (counts)	(° C)	(° C)
1.0000	755504.615	1.0001	0.0001
4.5000	668937.844	4.4999	-0.0001
15.0000	448755.074	15.0002	0.0002
18.5000	388346.205	18.4999	-0.0001
24.0000	305451.303	23.9999	-0.0001
29.0000	241677.760	29.0001	0.0001
32.5000	202883.157	32.5000	-0.0000

n = Instrument Output (counts)

MV = (n - 524288) / 1.6e + 007

R = (MV * 2.295e + 0.10 + 9.216e + 0.08) / (6.144e + 0.04 - MV * 5.3e + 0.05)

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

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

