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SENSOR SERIAL NUMBER: 4139 CALIBRATION DATE: 30-Apr-19 SBE 16plus TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 1.288873e-003 a1 = 2.509857e-004 a2 = 1.158528e-006 a3 = 1.054761e-007

BATH TEMP	INSTRUMENT	INST TEMP	RESIDUAL
(° C)	OUTPUT (counts)	(° C)	(° C)
1.0000	632656.500	0.9999	-0.0001
4.5000	562046.900	4.5001	0.0001
15.0000	386450.400	14.9998	-0.0002
18.5000	339221.400	18.5001	0.0001
24.0000	275068.000	24.0000	0.0000
29.0000	226211.100	29.0001	0.0001
32.4999	196697.400	32.4998	-0.0001

n = Instrument Output (counts)

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

R = (MV * 2.900e + 0.09 + 1.024e + 0.08) / (2.048e + 0.04 - MV * 2.0e + 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

