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SENSOR SERIAL NUMBER: 4607 SBE 16plus TEMPERATURE CALIBRATION DATA CALIBRATION DATE: 10-Mar-18 ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 1.133477e-003 a1 = 2.773809e-004 a2 = -1.302029e-006 a3 = 1.923589e-007

BATH TEMP (° C)	INSTRUMENT OUTPUT (counts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	720728.600	1.0000	0.0000
4.5000	646183.900	4.4999	-0.0001
15.0000	456425.800	15.0002	0.0002
18.5000	404256.700	18.4999	-0.0001
24.0000	332534.200	24.0000	0.0000
28.9999	277221.800	28.9999	-0.0000
32.5000	243492.200	32.5000	0.0000

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

