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SENSOR SERIAL NUMBER: 0347
CALIBRATION DATE: 28-Jan-18

SBE 26 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 1.00915197e-003
a1 = 2.42296159e-004
a3 = 1.44404766e-007

AI = 266929.9
XI = -8.8249

BATH TEMP (° C)	INSTRUMENT OUTPUT (volts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	-2.650	1.0002	0.00022
4.5000	-1.989	4.5002	0.00018
15.0000	0.025	14.9977	-0.00230
18.5000	0.682	18.5005	0.00048
24.0000	1.673	24.0030	0.00304
29.0000	2.515	28.9988	-0.00117
32.5000	3.066	32.4995	-0.00046

$n = (AI / (Volts - XI)) - 15000.0$

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

Residual (°C) = instrument temperature - bath temperature

