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SENSOR SERIAL NUMBER: 0343  
CALIBRATION DATE: 28-Jan-18

SBE 26 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 1.00897986e-003  
a1 = 2.42512975e-004  
a3 = 1.42199834e-007

AI = 267219.2  
XI = -8.8164

BATH TEMP (° C)	INSTRUMENT OUTPUT (volts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	-2.639	1.0010	0.00101
4.5000	-1.977	4.4984	-0.00163
15.0000	0.043	15.0005	0.00048
18.5000	0.702	18.5011	0.00109
24.0000	1.694	23.9983	-0.00171
29.0000	2.539	29.0014	0.00135
32.5000	3.091	32.4994	-0.00059

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

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

Residual (°C) = instrument temperature - bath temperature

