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SENSOR SERIAL NUMBER: 0345  
CALIBRATION DATE: 03-Feb-18

SBE 26 TEMPERATURE CALIBRATION DATA  
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

a0 = 1.01470799e-003  
a1 = 2.41704635e-004  
a3 = 1.45310622e-007

AI = 267369.3  
XI = -8.8339

BATH TEMP (° C)	INSTRUMENT OUTPUT (volts)	INST TEMP (° C)	RESIDUAL (° C)
1.0000	-2.642	1.0005	0.00046
4.5000	-1.980	4.4991	-0.00087
15.0000	0.042	15.0011	0.00112
18.5000	0.700	18.4998	-0.00021
24.0000	1.693	23.9987	-0.00125
29.0000	2.538	29.0011	0.00109
32.5000	3.090	32.4997	-0.00034

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

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

Residual (°C) = instrument temperature - bath temperature

