

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 4303
 CALIBRATION DATE: 10-Dec-09

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.489396e-004
 a1 = 3.043257e-004
 a2 = -4.496986e-006
 a3 = 2.100467e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	707604.1	0.9999	-0.0001
4.5000	606071.7	4.5002	0.0002
15.0000	388198.7	14.9997	-0.0003
18.4999	336663.3	18.5001	0.0002
24.0000	270728.7	24.0002	0.0002
29.0000	223397.6	28.9998	-0.0002
32.5001	195913.8	32.5002	0.0001

Temperature ITS-90 = $1/[a_0 + a_1[\ln(n)] + a_2[\ln^2(n)] + a_3[\ln^3(n)]] - 273.15$ (°C)

Residual = instrument temperature - bath temperature

