

SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0039
CALIBRATION DATE: 12-Dec-07

90340 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -4.863641e-005
a1 = 2.834217e-004
a2 = -2.892295e-006
a3 = 1.712922e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	672550.7	1.0000	0.0000
4.5000	576302.6	4.5000	-0.0000
15.0000	369570.5	15.0000	-0.0000
18.5000	320631.7	18.5001	0.0001
24.0000	257979.7	24.0000	0.0000
29.0000	212971.8	28.9999	-0.0001
32.5000	186826.4	32.5001	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

