

SEA-BIRD ELECTRONICS, INC.

1808 136th Place N.E., Bellevue, Washington, 98005 USA
 Phone: (425) 643 - 9866 Fax (425) 643 - 9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 3531
 CALIBRATION DATE: 01-Sep-0

SBE 37 TEMPERATURE CALIBRATION DATA
 ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.633009e-004
 a1 = 2.900815e-004
 a2 = -3.036158e-006
 a3 = 1.671354e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	825081.2	0.9999	-0.0001
4.4999	707766.7	4.5001	0.0002
14.9999	455416.7	14.9997	-0.0002
18.5000	395562.7	18.4999	-0.0001
24.0000	318847.6	24.0001	0.0001
29.0000	263661.4	29.0001	0.0001
32.5000	231570.2	32.4999	-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

