

SEA-BIRD ELECTRONICS, INC.

13431 NE 20th Street, Bellevue, Washington, 98005-2010 USA

Phone: (425) 643 - 9866 Fax (425) 643 - 9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 4303
CALIBRATION DATE: 02-Dec-10

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -4.228887e-005
a1 = 2.793531e-004
a2 = -2.551050e-006
a3 = 1.595903e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	707544.2	0.9999	-0.0000
4.4999	606023.6	4.5000	0.0001
15.0000	388183.8	14.9997	-0.0003
18.5000	336652.5	18.5004	0.0004
24.0000	270734.0	23.9999	-0.0001
29.0000	223399.7	29.0000	-0.0000
32.5000	195916.8	32.5000	0.0000

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

