

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: 0476
CALIBRATION DATE: 07-Jul-10

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -5.228040e-005
a1 = 2.789816e-004
a2 = -2.709857e-006
a3 = 1.618519e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
0.9999	805731.3	0.9999	0.0000
4.5000	689247.5	4.5000	-0.0000
15.0000	439849.3	15.0001	0.0001
18.5000	381015.7	18.4999	-0.0001
24.0000	305836.0	24.0000	0.0000
29.0000	251951.8	29.0000	-0.0000
32.5000	220707.1	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

