

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

SBE 45

SENSOR SERIAL NUMBER: 0085 *MicroTSG*
CALIBRATION DATE: 20-Apr-10

SBE 45 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -1.044529e-005
a1 = 2.726401e-004
a2 = -2.320918e-006
a3 = 1.493712e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	816445.1	1.0000	0.0000
4.5001	697451.6	4.5001	-0.0000
14.9999	443344.3	15.0000	0.0001
18.4999	383567.1	18.4998	-0.0001
24.0000	307299.2	24.0000	0.0000
29.0000	252735.2	29.0000	0.0000
32.5001	221142.1	32.5001	-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

Date, Delta T (mdeg C)

● 08-Apr-08 2.07
▲ 20-Apr-10 0.00

