

Sea-Bird Electronics, Inc.

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

Phone: (+1) 425-643-9866 Fax (+1) 425-643-9954 Email: seabird@seabird.com

SENSOR SERIAL NUMBER: 0340
CALIBRATION DATE: 07-Nov-12

SBE 45 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = 9.208697e-005

a1 = 2.680188e-004

a2 = -1.974675e-006

a3 = 1.394833e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	622560.0	1.0000	-0.0000
4.5000	531054.7	4.5000	0.0000
15.0000	336202.6	15.0000	-0.0000
18.5000	290499.1	18.5000	0.0000
24.0000	232293.3	24.0000	-0.0000
29.0000	190728.9	29.0001	0.0001
32.5000	166700.6	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

Date, Delta T (mdeg C)

