

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: 4590
CALIBRATION DATE: 20-Apr-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -6.785973e-005
a1 = 2.849531e-004
a2 = -2.960216e-006
a3 = 1.727048e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	689621.4	1.0000	-0.0000
4.5000	591133.9	4.5000	0.0000
15.0000	379468.7	14.9999	-0.0001
18.5000	329327.4	18.5001	0.0001
24.0000	265111.5	24.0000	-0.0000
29.0000	218957.7	29.0000	-0.0000
32.5000	192138.7	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

