

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: 3722
CALIBRATION DATE: 29-Oct-13

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -5.967899e-005
a1 = 2.875953e-004
a2 = -3.209142e-006
a3 = 1.793745e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	655983.7	1.0001	0.0001
4.5000	562066.8	4.4998	-0.0002
15.0000	360350.0	15.0002	0.0002
18.5000	312610.8	18.5002	0.0002
24.0000	251503.5	23.9997	-0.0003
29.0000	207604.5	29.0000	-0.0000
32.5000	182108.8	32.5001	0.0001

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)

