

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: 1678
CALIBRATION DATE: 15-Jan-12

SBE 37 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS

a0 = -5.270729e-005

a1 = 2.826058e-004

a2 = -2.983032e-006

a3 = 1.717548e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
1.0000	744959.8	1.0000	0.0000
4.5000	637619.5	4.4999	-0.0001
15.0000	407531.0	15.0000	-0.0000
18.4999	353187.3	18.5000	0.0001
24.0000	283703.4	24.0000	0.0000
29.0000	233865.1	28.9998	-0.0002
32.5002	204946.5	32.5003	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

