



Sea-Bird Scientific
13431 NE 20th Street
Bellevue, WA 98005
USA

+1 425-643-9866
seabird@seabird.com
www.seabird.com

SENSOR SERIAL NUMBER: 4799
CALIBRATION DATE: 13-Oct-17

SBE 3 TEMPERATURE CALIBRATION DATA ITS-90 TEMPERATURE SCALE

COEFFICIENTS:

g = 4.36404018e-003
h = 6.37119134e-004
i = 2.09532214e-005
j = 1.76603684e-006
f0 = 1000.0

BATH TEMP (° C)	INSTRUMENT OUTPUT (Hz)	INST TEMP (° C)	RESIDUAL (° C)
-1.5000	3029.443	-1.5000	0.00001
1.0000	3204.869	1.0000	0.00001
4.5001	3462.648	4.5000	-0.00008
8.0000	3735.009	8.0000	0.00004
11.5000	4022.351	11.5000	0.00003
15.0000	4325.064	15.0000	0.00001
18.5000	4643.531	18.5000	-0.00000
22.0000	4978.119	22.0000	-0.00001
25.5000	5329.185	25.5000	-0.00002
29.0000	5697.078	29.0000	0.00001
32.5000	6082.123	32.5000	0.00001

f = Instrument Output (Hz)

Temperature ITS-90 (°C) = $1 / \{g + h[\ln(f_0 / f)] + i[\ln^2(f_0 / f)] + j[\ln^3(f_0 / f)]\} - 273.15$

Residual (°C) = instrument temperature - bath temperature

