

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 2958

CALIBRATION DATE: 05-Sep-15

SBE 3 TEMPERATURE CALIBRATION DATA

ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.39496271e-003

h = 6.73193525e-004

i = 3.01896154e-005

j = 2.82261113e-006

f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	3033.607	-1.5000	0.00004
1.0000	3203.654	1.0000	-0.00001
4.5000	3453.259	4.5000	-0.00004
8.0000	3716.667	7.9999	-0.00010
11.5000	3994.273	11.5001	0.00010
15.0000	4286.399	15.0000	0.00004
18.5000	4593.423	18.5001	0.00006
22.0000	4915.676	22.0000	0.00004
25.5000	5253.476	25.4999	-0.00012
29.0000	5607.170	28.9999	-0.00008
32.5000	5977.059	32.5001	0.00009

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

Residual = instrument temperature - bath temperature

