

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 1364
CALIBRATION DATE: 18-Jul-14

SBE 3 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

ITS-90 COEFFICIENTS:

g = 4.84853158e-003
h = 6.78665328e-004
i = 2.52969246e-005
j = 1.87040567e-006
f0 = 1000.0

BATH TEMP (ITS-90)	INSTRUMENT FREQ (Hz)	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	6219.705	-1.4999	0.00012
1.0000	6575.078	0.9999	-0.00008
4.5000	7096.802	4.4998	-0.00015
8.0000	7647.445	7.9999	-0.00011
11.5000	8227.772	11.5001	0.00011
15.0000	8838.482	15.0003	0.00031
18.5000	9480.203	18.5001	0.00008
22.0000	10153.667	21.9997	-0.00027
25.5000	10859.658	25.4999	-0.00011
29.0000	11598.699	29.0000	-0.00001
32.5000	12371.408	32.5001	0.00010

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

