SBE 56 ECO Temperature Logger

Instrument Configuration

Instrument Serial Number: 56-04737
Instrument Firmware Version: 0.96
Communications Format: RS232

Installed Devices/Sensors

Data Format	Measurement	Sensor Type	Serial Number	Rating
Count	Temperature	Internal	N/A	N/A

Maximum Depth: **1500m**

CAUTION - The maximum deployment depth will be limited by the measurement range of the pressure sensor, if installed, an attached sensor, if installed, or the housing.

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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: 04737
CALIBRATION DATE: 09-Aug-14

SBE 56 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:
a0 = -1.098515e-003
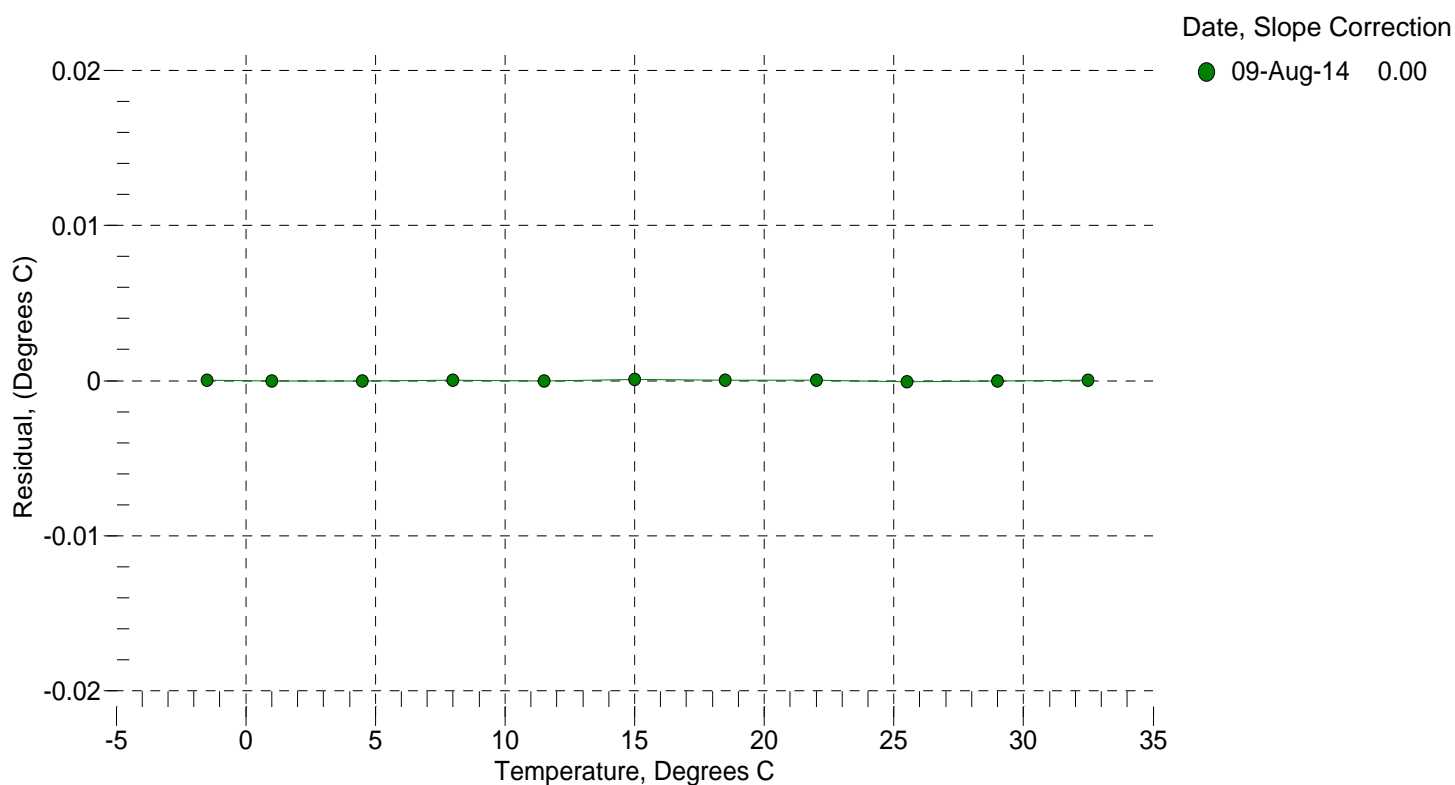a1 = 3.240989e-004
a2 = -5.365460e-006
a3 = 1.771620e-007

BATH TEMP (ITS-90)	INSTRUMENT OUTPUT	INST TEMP (ITS-90)	RESIDUAL (ITS-90)
-1.5000	20403252.8	-1.5000	0.0000
1.0000	18199145.6	1.0000	-0.0000
4.5000	15553358.9	4.5000	-0.0000
8.0000	13336767.1	8.0000	0.0000
11.5000	11473388.7	11.5000	-0.0000
15.0000	9901572.5	15.0001	0.0001
18.5000	8571415.6	18.5000	0.0000
22.0000	7442122.7	22.0000	0.0000
25.5000	6480424.0	25.4999	-0.0001
29.0000	5658903.8	29.0000	-0.0000
32.5000	4955105.5	32.5000	0.0000

Temperature ITS-90 = $1/\{a0 + a1[ln(n)] + a2[ln^2(n)] + a3[ln^3(n)]\} - 273.15$ (°C)

Residual = instrument temperature - bath temperature

n = instrument output

Date, Slope Correction
● 09-Aug-14   0.00

Pressure Test Certificate

Test Date: **08/04/14**

Description: **SBE-56 Temperature Sensor**

Sensor Information:

Model Number: **56**

Serial Number: **04737**

Pressure Test Protocol:

Low Pressure Test: **40** PSI   Held For: **15** Minutes

High Pressure Test: **2300** PSI   Held For: **15** Minutes

Passed Test: **Yes**

Tested By: **DC**

High pressure is generally equal to the maximum depth rating of the instrument

Pressure

Time

Typical Test Profile