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SBE37-SMP-ODO MicroCAT

Instrument Configuration

Instrument Serial Number:	37-21147
Instrument Firmware Version:	6.1.2
Zero Conductivity Frequency:	2683.03
Communications Format:	RS232
Communications Settings:	9600 baud, 8 Data Bits, No Parity

Installed Devices/Sensors

Data Format	Measurement	Sensor Type	Serial Number	Rating
Count	Temperature	Internal	N/A	N/A
Frequency	Conductivity	Internal	N/A	N/A
Count	Pressure Sensor	Kistler	5059700	2000m(2000 dBar)
RS232	Oxygen	SBE 63	63-2323	7000m

Maximum Depth: **2000m**

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.

![Sea-Bird Scientific logo]

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SENSOR SERIAL NUMBER: 21147
CALIBRATION DATE: 25-Aug-19

SBE 37 V2 TEMPERATURE CALIBRATION DATA
ITS-90 TEMPERATURE SCALE

COEFFICIENTS:
$a0$ = -1.655572e-004
$a1$ = 3.172163e-004
$a2$ = -5.099207e-006
$a3$ = 2.176596e-007

BATH TEMP (°C)	INSTRUMENT OUTPUT (counts)	INST TEMP (°C)	RESIDUAL (°C)
1.0000	566137.1	1.0000	0.0000
4.5000	484722.2	4.5000	-0.0000
15.0000	310243.1	15.0000	-0.0000
18.5000	269033.2	18.5000	0.0000
23.9999	216337.2	24.0000	0.0001
29.0000	178530.6	28.9998	-0.0002
32.5000	156588.5	32.5001	0.0001

n = Instrument Output (counts)

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

Residual (°C) = instrument temperature - bath temperature

Date, Offset (mdeg C)
● 25-Aug-19   0.00