

Sea-Bird Electronics, Inc.

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SENSOR SERIAL NUMBER: 0523

SBE 18 pH CALIBRATION DATA

CALIBRATION DATE: 19-Jan-17

pH COEFFICIENTS:

pHslope = 4.6091

pHoffset = 2.5437

pH BUFFER	TEMPERATURE (°C)	INSTRUMENT OUTPUT (volts)	COMPUTED pH	RESIDUAL (pH)
4.0	23.0	1.728	3.988	-0.012
7.0	23.0	2.550	7.023	0.023
10.0	23.0	3.353	9.988	-0.012

Vout = Instrument pH sensor output in volts

$pH = 7.0 + (V_{out} - pH_{offset}) / (pH_{slope} * ^\circ K * 1.98416E-4)$

Residual (pH) = instrument pH - buffer pH

