

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: 0217

SBE 18 pH CALIBRATION DATA

CALIBRATION DATE: 27-Jan-17

pH COEFFICIENTS:

pHslope = 4.5644

pHoffset = 2.5337

pH BUFFER	TEMPERATURE (°C)	INSTRUMENT OUTPUT (volts)	COMPUTED pH	RESIDUAL (pH)
4.0	21.3	1.727	3.975	-0.025
7.0	21.3	2.547	7.050	0.050
10.0	21.3	3.327	9.975	-0.025

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

