SEA-BIRD ELECTRONICS, INC.

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SENSOR SERIAL NUMBER: 0206
CALIBRATION DATE: 10-Feb-09

SBE27 pH/ORP CALIBRATION DATA

pH COEFFICIENTS

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pHslope  =  4.4594
pHoffset =  2.5583
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ORP COEFFICIENTS

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ORP M = -0.4921
ORP B =  2.5009
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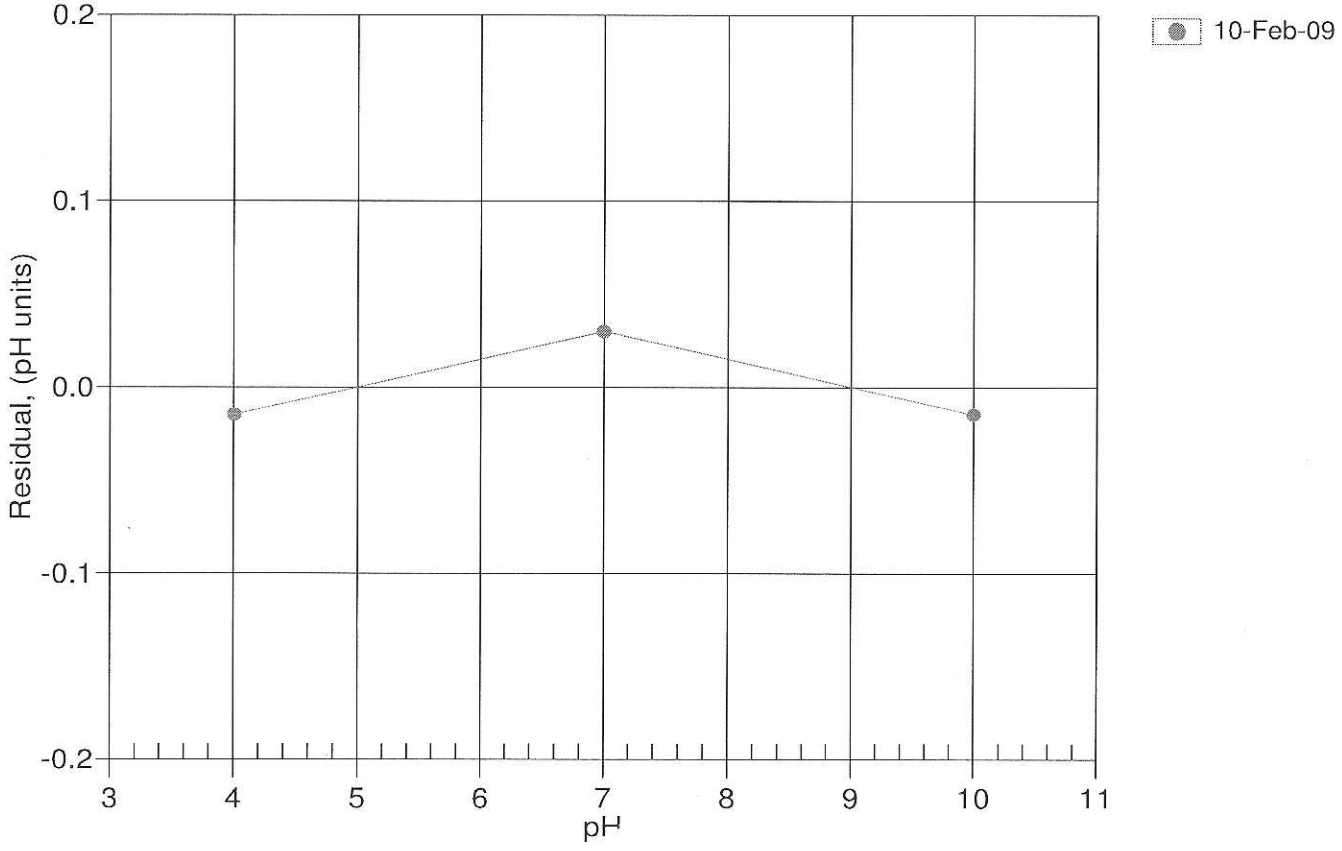
pH	Temperature (deg C)	VpH	Instrument Output (pH units)	Residual (pH units)
4.0	19.0	1.779	3.985	-0.015
7.0	19.0	2.566	7.030	0.030
10.0	19.0	3.330	9.985	-0.015

pH = 7.0 + (Vph - pHoffset) / (pHslope * °K * 1.98416E-4)

ORP = M * (Vorp - B) * 1000.0

Where:

VpH = pH sensor output in volts
K is the water temperature in degrees Kelvin
Residual = instrument pH - buffer pH
Vorp = ORP sensor output in volts