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SENSOR SERIAL NUMBER: 0470
 CALIBRATION DATE: 26-Jul-24

SBE 27 pH/ORP CALIBRATION DATA

pH COEFFICIENTS:

pHslope = 4.6475
 pHoffset = 2.5273

ORP COEFFICIENTS:

ORP M = -0.4958
 ORP B = 2.4965

pH BUFFER	TEMPERATURE (°C)	ISTRUMENT OUTPUT (volts)	COMPUTED pH	Residual (pH)
4.0	22.9	1.709	4.002	0.002
7.0	22.9	2.526	6.995	-0.005
10.0	22.9	3.347	10.002	0.002

VpH = Instrument pH sensor output in volts

Vorp = Instrument ORP sensor output in volts

$pH = 7.0 + (VpH - pHoffset) / (pHslope * ^\circ K * 1.98416E-4)$

$ORP = M * (Vorp - B) * 1000.0$

Residual (pH) = instrument pH - buffer pH

