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SENSOR SERIAL NUMBER: 9017
CALIBRATION DATE: 08-Nov-22

SBE 37 V2 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.008534e+000
h = 1.711452e-001
i = -3.980889e-004
j = 5.889982e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = 8.2248e-007

BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2431.91	0.00000	0.00000
1.0000	34.6355	2.96198	4824.36	2.96198	-0.00000
4.5000	34.6152	3.26761	5006.13	3.26761	-0.00000
15.0000	34.5713	4.24473	5546.79	4.24474	0.00002
18.5000	34.5615	4.58820	5724.47	4.58820	-0.00000
24.0000	34.5504	5.14343	6000.32	5.14342	-0.00001
29.0000	34.5429	5.66256	6246.93	5.66254	-0.00002
32.5000	34.5353	6.03251	6416.74	6.03252	0.00002

$f = \text{Instrument Output(Hz)} * \sqrt{1.0 + \text{WBOTC} * t} / 1000.0$

t = temperature (°C); p = pressure (decibars); $\delta = \text{CTcor}$; $\epsilon = \text{CPcor}$;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \epsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity

