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SENSOR SERIAL NUMBER: 12120
CALIBRATION DATE: 10-Nov-23

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

COEFFICIENTS:

g = -9.909279e-001
h = 1.607909e-001
i = -2.109871e-004
j = 4.130452e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = 0.0000e+000

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	2484.59	0.00000	0.00000
0.9999	34.2292	2.93051	4938.99	2.93049	-0.00001
4.4999	34.2097	3.23306	5125.41	3.23307	0.00001
14.9999	34.1680	4.20039	5679.84	4.20040	0.00001
18.5000	34.1589	4.54046	5862.08	4.54049	0.00002
24.0000	34.1483	5.09012	6144.93	5.09010	-0.00001
29.0000	34.1388	5.60369	6397.65	5.60365	-0.00004
32.5001	34.1277	5.96934	6571.54	5.96937	0.00003

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

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

