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SENSOR SERIAL NUMBER: 2448
CALIBRATION DATE: 29-Nov-23

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

COEFFICIENTS:

g = -1.027511e+000
h = 1.464101e-001
i = -2.061315e-004
j = 3.876582e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = 7.2604e-006

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	2651.43	0.00000	0.00000
1.0000	34.6370	2.96210	5220.42	2.96206	-0.00003
4.5000	34.6173	3.26779	5415.99	3.26784	0.00004
15.0000	34.5757	4.24521	5997.66	4.24520	-0.00000
18.5000	34.5670	4.58885	6188.90	4.58885	-0.00000
24.0000	34.5573	5.14434	6485.78	5.14433	-0.00001
29.0000	34.5509	5.66372	6751.23	5.66373	0.00001
32.5000	34.5443	6.03390	6934.05	6.03398	0.00008

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

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

