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SENSOR SERIAL NUMBER: 0826
CALIBRATION DATE: 25-Nov-20

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

COEFFICIENTS:

g = -1.056900e+000
h = 1.559684e-001
i = -8.323346e-005
j = 3.426685e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = -2.7407e-005

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	2603.80	0.00000	0.00000
1.0000	34.6197	2.96076	5068.02	2.96077	0.00002
4.5000	34.6005	3.26636	5256.64	3.26635	-0.00001
15.0000	34.5596	4.24344	5818.25	4.24342	-0.00002
18.5000	34.5511	4.58697	6003.03	4.58697	0.00000
24.0000	34.5423	5.14235	6290.05	5.14236	0.00001
29.0000	34.5380	5.66184	6546.89	5.66186	0.00002
32.5000	34.5347	6.03241	6723.95	6.03240	-0.00001

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

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

