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SENSOR SERIAL NUMBER: 3936
CALIBRATION DATE: 24-Nov-20

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

COEFFICIENTS:

g = -1.022908e+000
h = 1.426366e-001
i = -3.723662e-004
j = 4.787478e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = 7.1795e-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	2683.91	0.00000	0.00000
0.9999	34.6163	2.96048	5296.27	2.96049	0.00000
4.4999	34.5964	3.26601	5495.03	3.26601	0.00001
15.0000	34.5546	4.24289	6086.29	4.24288	-0.00002
18.5000	34.5455	4.58630	6280.63	4.58630	-0.00000
24.0000	34.5357	5.14148	6582.35	5.14150	0.00002
29.0000	34.5298	5.66065	6852.09	5.66064	-0.00001
32.5001	34.5255	6.03100	7037.98	6.03100	-0.00000

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

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

