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SENSOR SERIAL NUMBER: 2002
CALIBRATION DATE: 15-Dec-17

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

COEFFICIENTS:

g = -1.034494e+000
h = 1.459840e-001
i = -1.605195e-004
j = 3.744067e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = 8.7929e-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	2663.24	0.00000	0.00000
1.0000	34.7035	2.96724	5232.32	2.96723	-0.00001
4.5000	34.6837	3.27344	5427.90	3.27346	0.00001
15.0000	34.6418	4.25247	6009.72	4.25246	-0.00001
18.5000	34.6330	4.59667	6201.00	4.59667	-0.00000
24.0000	34.6233	5.15308	6497.97	5.15309	0.00001
29.0000	34.6175	5.67341	6763.50	5.67341	-0.00000
32.5000	34.6134	6.04460	6946.43	6.04442	-0.00018

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

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

