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SENSOR SERIAL NUMBER: 0204
CALIBRATION DATE: 21-Feb-18

SBE 45 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.047323e+000
h = 1.605656e-001
i = -7.316850e-004
j = 7.339435e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = 2.5040e-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	2564.41	0.00000	0.00000
1.0000	34.8958	2.98211	5038.14	2.98210	-0.00001
4.5000	34.8762	3.28982	5226.71	3.28983	0.00002
15.0000	34.8341	4.27357	5787.72	4.27354	-0.00002
18.5000	34.8245	4.61934	5972.14	4.61934	0.00000
24.0000	34.8136	5.17827	6258.43	5.17828	0.00001
29.0000	34.8073	5.70101	6514.44	5.70102	0.00001
32.5000	34.8024	6.07384	6690.82	6.07383	-0.00001

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

$t = \text{temperature (°C)}$; $p = \text{pressure (decibars)}$; $\delta = \text{CTcor}$; $\epsilon = \text{CPcor}$;

$\text{Conductivity (S/m)} = (g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \epsilon * p)$

$\text{Residual (Siemens/meter)} = \text{instrument conductivity} - \text{bath conductivity}$

