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SENSOR SERIAL NUMBER: 0818
CALIBRATION DATE: 14-Nov-19

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

COEFFICIENTS:

g = -1.070868e+000
h = 1.552078e-001
i = -4.734723e-004
j = 6.143542e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = -7.3731e-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	2635.82	0.00000	0.00000
1.0000	34.7998	2.97469	5119.05	2.97467	-0.00002
4.5000	34.7776	3.28143	5309.77	3.28147	0.00003
15.0000	34.7344	4.26263	5877.93	4.26261	-0.00002
18.5000	34.7257	4.60765	6064.94	4.60764	-0.00001
24.0000	34.7163	5.16539	6355.45	5.16541	0.00001
29.0000	34.7105	5.68694	6615.35	5.68693	-0.00000
32.4999	34.7060	6.05892	6794.53	6.05892	-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

