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SENSOR SERIAL NUMBER: 0819
CALIBRATION DATE: 28-Dec-17

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

COEFFICIENTS:

g = -1.098153e+000
h = 1.564261e-001
i = -5.388199e-004
j = 6.392248e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = -7.4742e-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	2660.11	0.00000	0.00000
1.0000	34.7606	2.97166	5118.68	2.97165	-0.00000
4.5000	34.7411	3.27833	5308.34	3.27833	0.00000
15.0000	34.6994	4.25879	5873.45	4.25879	0.00001
18.4999	34.6906	4.60348	6059.48	4.60348	-0.00000
24.0000	34.6806	5.16067	6348.53	5.16067	0.00000
29.0000	34.6744	5.68169	6607.19	5.68167	-0.00002
32.5000	34.6702	6.05339	6785.61	6.05340	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

