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SENSOR SERIAL NUMBER: 0813
CALIBRATION DATE: 23-Oct-18

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

COEFFICIENTS:

g = -1.036162e+000
h = 1.503519e-001
i = -3.944640e-004
j = 5.417003e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = -7.1758e-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	2633.07	0.00000	0.00000
1.0000	34.7270	2.96906	5171.66	2.96905	-0.00001
4.5000	34.7074	3.27546	5365.93	3.27547	0.00001
15.0000	34.6656	4.25508	5944.16	4.25507	-0.00001
18.5000	34.6569	4.59950	6134.37	4.59950	-0.00000
24.0000	34.6475	5.15629	6429.79	5.15629	0.00001
29.0000	34.6425	5.67705	6694.09	5.67704	-0.00000
32.5000	34.6400	6.04871	6876.40	6.04873	0.00002

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

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

