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SENSOR SERIAL NUMBER: 3936
CALIBRATION DATE: 28-Sep-18

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

COEFFICIENTS:

g = -1.018094e+000
h = 1.417869e-001
i = -1.699112e-004
j = 3.487759e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = 7.1795e-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	2681.36	0.00000	0.00000
1.0000	34.7780	2.97300	5304.01	2.97300	0.00000
4.5000	34.7587	3.27982	5503.27	3.27983	0.00000
15.0000	34.7172	4.26074	6095.89	4.26073	-0.00001
18.5000	34.7087	4.60563	6290.71	4.60564	0.00000
24.0000	34.6997	5.16320	6593.15	5.16320	0.00001
29.0000	34.6950	5.68468	6863.60	5.68468	-0.00000
32.5000	34.6922	6.05679	7050.01	6.05674	-0.00005

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

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

