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SENSOR SERIAL NUMBER: 9017
CALIBRATION DATE: 23-Oct-18

SBE 37 V2 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

g = -1.019381e+000
h = 1.733797e-001
i = -9.364715e-004
j = 9.664992e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = 8.2248e-007

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	2436.77	0.00000	0.00000
0.9999	34.6878	2.96602	4826.10	2.96601	-0.00001
4.5000	34.6684	3.27214	5008.01	3.27215	0.00001
14.9999	34.6267	4.25080	5549.06	4.25082	0.00002
18.5000	34.6182	4.59492	5726.90	4.59490	-0.00002
24.0000	34.6087	5.15115	6002.98	5.15114	-0.00001
29.0000	34.6040	5.67145	6249.87	5.67145	0.00001
32.4998	34.6022	6.04284	6420.11	6.04289	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

