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SENSOR SERIAL NUMBER: 1251
CALIBRATION DATE: 08-Nov-19

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

COEFFICIENTS:

g = -1.031680e+000
h = 1.508313e-001
i = -5.873643e-005
j = 3.064898e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = -2.8251e-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	2615.66	0.00000	0.00000
1.0000	34.8401	2.97781	5147.22	2.97780	-0.00000
4.4999	34.8201	3.28504	5340.18	3.28504	-0.00000
15.0000	34.7781	4.26742	5914.47	4.26743	0.00000
18.5000	34.7693	4.61281	6103.33	4.61281	0.00000
24.0000	34.7594	5.17110	6396.60	5.17110	0.00001
29.0000	34.7521	5.69299	6658.81	5.69296	-0.00002
32.5000	34.7446	6.06490	6839.42	6.06491	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

