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SENSOR SERIAL NUMBER: 12120
CALIBRATION DATE: 08-Nov-19

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

COEFFICIENTS:

g = -9.914908e-001
h = 1.610120e-001
i = -2.722651e-004
j = 4.628478e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = 0.0000e+000

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	2484.52	0.00000	0.00000
1.0000	34.8401	2.97781	4968.34	2.97780	-0.00001
4.4999	34.8201	3.28504	5156.48	3.28505	0.00001
15.0000	34.7781	4.26742	5715.93	4.26742	0.00000
18.5000	34.7693	4.61281	5899.78	4.61281	0.00000
24.0000	34.7594	5.17110	6185.14	5.17109	-0.00001
29.0000	34.7521	5.69299	6440.18	5.69299	0.00000
32.5000	34.7446	6.06490	6615.63	6.06464	-0.00026

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

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

