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SENSOR SERIAL NUMBER: 0385
CALIBRATION DATE: 13-Dec-17

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

COEFFICIENTS:

g = -1.085822e+000
h = 1.560431e-001
i = -4.720684e-004
j = 5.809770e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = -7.8271e-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	2647.32	0.00000	0.00000
1.0000	34.8100	2.97548	5116.54	2.97549	0.00001
4.5000	34.7903	3.28251	5306.73	3.28250	-0.00001
15.0000	34.7481	4.26413	5873.39	4.26412	-0.00001
18.5000	34.7390	4.60922	6059.93	4.60923	0.00001
24.0000	34.7289	5.16706	6349.74	5.16706	0.00000
29.0000	34.7228	5.68873	6609.11	5.68872	-0.00001
32.5000	34.7184	6.06085	6787.99	6.06085	0.00000

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

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

