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SENSOR SERIAL NUMBER: 3777
CALIBRATION DATE: 23-Oct-19

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

COEFFICIENTS:

g = -1.010609e+000
h = 1.303906e-001
i = -1.294888e-004
j = 2.908052e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = -5.5036e-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	2785.61	0.00000	0.00000
1.0000	34.8115	2.97559	5525.50	2.97560	0.00001
4.5000	34.7921	3.28267	5733.54	3.28265	-0.00002
15.0000	34.7490	4.26423	6352.21	4.26424	0.00001
18.5000	34.7400	4.60934	6555.56	4.60935	0.00001
24.0000	34.7297	5.16717	6871.20	5.16716	-0.00001
29.0000	34.7236	5.68884	7153.43	5.68882	-0.00002
32.5000	34.7189	6.06092	7347.93	6.06094	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

