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SENSOR SERIAL NUMBER: 3777
CALIBRATION DATE: 23-Dec-17

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

COEFFICIENTS:

g = -1.050405e+000
h = 1.356754e-001
i = -2.023977e-004
j = 3.469855e-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	2785.65	0.00000	0.00000
1.0000	34.7332	2.96954	5444.77	2.96955	0.00001
4.5000	34.7136	3.27599	5647.78	3.27598	-0.00001
15.0000	34.6714	4.25571	6251.99	4.25570	-0.00002
18.4999	34.6624	4.60014	6450.69	4.60013	-0.00001
23.9999	34.6526	5.15695	6759.26	5.15697	0.00002
29.0000	34.6479	5.67783	7035.32	5.67785	0.00002
32.5000	34.6456	6.04958	7225.67	6.04956	-0.00002

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

$t = \text{temperature (°C)}$; $p = \text{pressure (decibars)}$; $\delta = \text{CTcor}$; $\epsilon = \text{CPcor}$;

$\text{Conductivity (S/m)} = (g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \epsilon * p)$

$\text{Residual (Siemens/meter)} = \text{instrument conductivity} - \text{bath conductivity}$

