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SENSOR SERIAL NUMBER: 2357
CALIBRATION DATE: 28-Apr-19

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

COEFFICIENTS:

g = -1.083272e+000
h = 1.683530e-001
i = -7.221892e-005
j = 3.681039e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = 1.0910e-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	2535.93	0.00000	0.00000
1.0000	34.8982	2.98230	4906.41	2.98230	0.00001
4.5000	34.8785	3.29001	5087.81	3.29001	-0.00000
15.0000	34.8363	4.27381	5627.93	4.27380	-0.00001
18.5000	34.8275	4.61969	5805.63	4.61970	0.00000
24.0000	34.8177	5.17881	6081.63	5.17882	0.00001
29.0000	34.8115	5.70162	6328.50	5.70161	-0.00001
32.5000	34.8064	6.07446	6498.67	6.07449	0.00003

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

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

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

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

