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SENSOR SERIAL NUMBER: 1850
CALIBRATION DATE: 25-Apr-19

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

COEFFICIENTS:

g = -9.695694e-001
h = 1.369790e-001
i = -1.666316e-004
j = 3.745044e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = 2.0033e-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	2662.17	0.00000	0.00000
1.0000	34.8762	2.98060	5366.48	2.98060	0.00001
4.5000	34.8562	3.28812	5570.45	3.28812	0.00000
15.0000	34.8131	4.27126	6176.48	4.27121	-0.00005
18.5000	34.8035	4.61685	6375.51	4.61686	0.00001
24.0000	34.7920	5.17541	6684.27	5.17546	0.00005
29.0000	34.7826	5.69742	6959.96	5.69739	-0.00003
32.5001	34.7723	6.06920	7149.52	6.06898	-0.00021

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

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

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

Residual (Siemens/meter) = instrument conductivity - bath conductivity

