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SENSOR SERIAL NUMBER: 3531
CALIBRATION DATE: 19-Dec-17

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

COEFFICIENTS:

g = -9.856137e-001
h = 1.331095e-001
i = -1.808041e-004
j = 3.394085e-005

CPcor = -9.5700e-008
CTcor = 3.2500e-006
WBOTC = -4.6806e-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	2723.73	0.00000	0.00000
1.0000	34.8750	2.98050	5458.08	2.98050	-0.00000
4.5000	34.8552	3.28803	5664.95	3.28803	0.00000
15.0000	34.8131	4.27126	6279.89	4.27126	-0.00000
18.5000	34.8041	4.61693	6481.92	4.61693	0.00001
24.0000	34.7941	5.17569	6795.45	5.17568	-0.00001
29.0000	34.7879	5.69819	7075.72	5.69819	0.00000
32.5000	34.7844	6.07106	7268.81	6.07088	-0.00017

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

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

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

