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SENSOR SERIAL NUMBER: 4590
CALIBRATION DATE: 19-Dec-17

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

COEFFICIENTS:

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g = -1.011278e+000
h =  1.407870e-001
i = -1.117455e-004
j =  3.215842e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -6.8062e-006
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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	2680.97	0.00000	0.00000
1.0000	34.8750	2.98050	5318.86	2.98051	0.00001
4.5000	34.8552	3.28803	5519.10	3.28802	-0.00001
15.0000	34.8131	4.27126	6114.65	4.27126	-0.00001
18.5000	34.8041	4.61693	6310.39	4.61693	0.00001
24.0000	34.7941	5.17569	6614.24	5.17569	0.00000
29.0000	34.7879	5.69819	6885.91	5.69819	-0.00000
32.5000	34.7844	6.07106	7073.20	6.07106	-0.00000

f = Instrument Output(Hz) * sqrt(1.0 + WBOTC * t) / 1000.0

t = temperature (°C); p = pressure (decibars); δ = CTcor; ε = CPcor;

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

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