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SENSOR SERIAL NUMBER: 1807
CALIBRATION DATE: 28-Apr-19

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

COEFFICIENTS:

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g = -9.903130e-001
h =  1.363905e-001
i = -1.342165e-004
j =  3.282462e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.2056e-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	2695.78	0.00000	0.00000
1.0000	34.8982	2.98230	5392.37	2.98230	0.00000
4.5000	34.8785	3.29001	5596.38	3.29001	-0.00000
15.0000	34.8363	4.27381	6202.84	4.27379	-0.00001
18.5000	34.8275	4.61969	6402.11	4.61971	0.00001
24.0000	34.8177	5.17881	6711.35	5.17881	0.00000
29.0000	34.8115	5.70162	6987.75	5.70162	-0.00000
32.5000	34.8064	6.07446	7177.42	6.07300	-0.00145

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