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SENSOR SERIAL NUMBER: 1860
CALIBRATION DATE: 05-May-19

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

COEFFICIENTS:

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g = -1.028531e+000
h =  1.433266e-001
i = -4.783120e-005
j =  2.809398e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  4.4809e-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	2678.01	0.00000	0.00000
0.9999	34.9373	2.98531	5282.18	2.98532	0.00001
4.5000	34.9162	3.29322	5480.05	3.29321	-0.00001
14.9999	34.8738	4.27791	6068.85	4.27790	-0.00001
18.4999	34.8647	4.62409	6262.42	4.62409	0.00001
23.9999	34.8534	5.18352	6562.84	5.18353	0.00001
28.9999	34.8438	5.70630	6831.29	5.70630	-0.00001
32.5001	34.8331	6.07860	7016.03	6.07863	0.00003

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