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SENSOR SERIAL NUMBER: 1858
CALIBRATION DATE: 19-Jun-18

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

COEFFICIENTS:

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g = -1.036945e+000
h =  1.453511e-001
i = -1.092076e-004
j =  3.476741e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  4.6484e-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	2671.23	0.00000	0.00000
1.0000	34.8276	2.97684	5248.01	2.97685	0.00001
4.5000	34.8082	3.28404	5444.14	3.28402	-0.00001
15.0000	34.7661	4.26611	6027.61	4.26610	-0.00001
18.5000	34.7573	4.61139	6219.43	4.61139	0.00000
24.0000	34.7475	5.16952	6517.23	5.16953	0.00001
29.0000	34.7424	5.69158	6783.57	5.69157	-0.00001
32.5001	34.7391	6.06406	6967.18	6.06406	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