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SENSOR SERIAL NUMBER: 3766
CALIBRATION DATE: 17-Jan-21

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

COEFFICIENTS:

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g = -1.048725e+000
h =  1.349185e-001
i = -1.534070e-004
j =  3.302845e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -1.0064e-005
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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	2790.09	0.00000	0.00000
1.0000	34.7014	2.96708	5452.80	2.96709	0.00001
4.4999	34.6817	3.27326	5656.07	3.27326	-0.00000
15.0000	34.6404	4.25231	6261.06	4.25230	-0.00002
18.5000	34.6322	4.59657	6460.06	4.59657	-0.00000
24.0000	34.6239	5.15316	6769.09	5.15317	0.00001
29.0000	34.6203	5.67382	7045.56	5.67384	0.00003
32.5000	34.6186	6.04540	7236.19	6.04538	-0.00002

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