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SENSOR SERIAL NUMBER: 3766
CALIBRATION DATE: 05-Feb-21

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

COEFFICIENTS:

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g = -1.045446e+000
h =  1.343404e-001
i = -8.011735e-005
j =  2.706937e-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	2790.08	0.00000	0.00000
1.0000	34.6146	2.96036	5453.19	2.96037	0.00001
4.5000	34.5956	3.26595	5656.54	3.26593	-0.00001
15.0000	34.5555	4.24299	6261.80	4.24300	0.00001
18.5000	34.5475	4.58654	6460.88	4.58655	0.00001
24.0000	34.5391	5.14193	6770.04	5.14193	-0.00000
29.0000	34.5351	5.66142	7046.62	5.66141	-0.00001
32.5000	34.5330	6.03215	7237.37	6.03215	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