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SENSOR SERIAL NUMBER: 3764
CALIBRATION DATE: 03-May-19

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

COEFFICIENTS:

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g = -1.042639e+000
h =  1.632237e-001
i = -2.043491e-004
j =  3.864697e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  9.4902e-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	2529.24	0.00000	0.00000
1.0000	34.8531	2.97881	4964.55	2.97880	-0.00001
4.5000	34.8326	3.28611	5150.15	3.28612	0.00001
15.0000	34.7912	4.26886	5702.60	4.26886	0.00000
18.5000	34.7826	4.61438	5884.29	4.61438	-0.00000
23.9999	34.7733	5.17293	6166.44	5.17292	-0.00001
29.0000	34.7680	5.69530	6418.84	5.69530	0.00000
32.5000	34.7653	6.06810	6592.84	6.06799	-0.00011

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