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SENSOR SERIAL NUMBER: 3767
CALIBRATION DATE: 24-Apr-19

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

COEFFICIENTS:

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g = -1.048583e+000
h =  1.523734e-001
i = -1.801333e-004
j =  3.765688e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -8.4102e-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	2625.37	0.00000	0.00000
1.0000	34.7911	2.97402	5136.94	2.97402	0.00001
4.5000	34.7711	3.28088	5328.65	3.28088	-0.00000
15.0000	34.7282	4.26195	5899.25	4.26192	-0.00002
18.5000	34.7188	4.60683	6086.91	4.60683	-0.00000
23.9999	34.7079	5.16427	6378.30	5.16431	0.00004
29.0000	34.7005	5.68548	6638.87	5.68547	-0.00002
32.5000	34.6941	6.05709	6818.35	6.05694	-0.00014

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