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SENSOR SERIAL NUMBER: 3763
CALIBRATION DATE: 27-Feb-18

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

COEFFICIENTS:

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g = -1.045171e+000
h =  1.431174e-001
i = -2.453594e-004
j =  3.926494e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -9.2672e-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	2706.22	0.00000	0.00000
1.0000	34.6922	2.96637	5298.01	2.96638	0.00001
4.5000	34.6726	3.27250	5495.87	3.27249	-0.00001
15.0000	34.6300	4.25117	6084.70	4.25115	-0.00002
18.5000	34.6206	4.59520	6278.34	4.59520	0.00000
24.0000	34.6101	5.15133	6579.02	5.15135	0.00001
29.0000	34.6036	5.67139	6847.93	5.67140	0.00001
32.5000	34.5988	6.04234	7033.27	6.04232	-0.00001

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