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SENSOR SERIAL NUMBER: 3768
CALIBRATION DATE: 22-Jun-18

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

COEFFICIENTS:

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g = -1.045415e+000
h =  1.617330e-001
i =  2.776234e-005
j =  2.656782e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -7.3132e-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	2540.71	0.00000	0.00000
1.0000	34.8060	2.97517	4973.73	2.97517	-0.00000
4.5000	34.7867	3.28221	5159.37	3.28221	0.00001
15.0000	34.7448	4.26377	5711.82	4.26376	-0.00001
18.5000	34.7362	4.60889	5893.55	4.60889	0.00001
24.0000	34.7265	5.16674	6175.75	5.16675	0.00000
29.0000	34.7208	5.68843	6428.20	5.68843	-0.00000
32.5000	34.7164	6.06054	6602.24	6.06058	0.00004

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