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SENSOR SERIAL NUMBER: 3769
CALIBRATION DATE: 08-Mar-18

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

COEFFICIENTS:

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g = -1.055028e+000
h =  1.399779e-001
i = -1.032308e-004
j =  2.919516e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -9.1320e-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	2746.28	0.00000	0.00000
0.9999	34.7562	2.97131	5357.79	2.97130	-0.00000
4.4999	34.7364	3.27792	5557.31	3.27791	-0.00001
15.0000	34.6943	4.25823	6151.25	4.25826	0.00004
18.4999	34.6856	4.60289	6346.58	4.60289	0.00000
24.0000	34.6759	5.16004	6649.95	5.16001	-0.00004
29.0000	34.6699	5.68103	6921.33	5.68103	-0.00000
32.5000	34.6654	6.05265	7108.40	6.05266	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