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SENSOR SERIAL NUMBER: 3770
CALIBRATION DATE: 07-May-21

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

COEFFICIENTS:

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g = -1.038836e+000
h =  1.619565e-001
i = -8.691063e-005
j =  3.504516e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -1.0296e-005
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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	2532.90	0.00000	0.00000
1.0000	34.5953	2.95887	4961.70	2.95886	-0.00001
4.5000	34.5754	3.26423	5147.05	3.26423	0.00001
14.9999	34.5337	4.24059	5698.70	4.24059	0.00000
18.4999	34.5251	4.58388	5880.15	4.58387	-0.00001
23.9999	34.5158	5.13883	6161.95	5.13885	0.00002
29.0000	34.5107	5.65787	6414.03	5.65785	-0.00002
32.5000	34.5069	6.02811	6587.82	6.02811	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