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SENSOR SERIAL NUMBER: 3770
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 = -1.037480e+000
h =  1.619161e-001
i = -1.717559e-004
j =  4.178766e-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	34.8167	2.97600	4975.98	2.97602	0.00003
4.5000	34.7972	3.28310	5162.18	3.28308	-0.00002
15.0000	34.7547	4.26486	5716.30	4.26481	-0.00004
18.5000	34.7456	4.61000	5898.54	4.61000	0.00000
24.0000	34.7358	5.16797	6181.52	5.16803	0.00006
28.9999	34.7312	5.68994	6434.65	5.68992	-0.00002
32.5001	34.7280	6.06234	6609.18	6.06233	-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