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SENSOR SERIAL NUMBER: 2023
CALIBRATION DATE: 05-Apr-18

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

COEFFICIENTS:

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g = -1.034939e+000
h =  1.484270e-001
i =  1.841598e-004
j =  2.081992e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -2.5476e-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	2635.74	0.00000	0.00000
0.9999	34.8011	2.97478	5171.42	2.97478	0.00000
4.4999	34.7812	3.28173	5364.57	3.28172	-0.00001
15.0000	34.7389	4.26312	5939.32	4.26314	0.00002
18.5000	34.7299	4.60814	6128.27	4.60813	-0.00001
24.0000	34.7199	5.16587	6421.69	5.16586	-0.00001
29.0000	34.7133	5.68734	6684.10	5.68735	0.00000
32.5000	34.7089	6.05938	6864.99	6.05938	-0.00000

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