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SENSOR SERIAL NUMBER: 1842
CALIBRATION DATE: 23-Aug-22

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

COEFFICIENTS:

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g = -1.063801e+000
h =  1.516192e-001
i = -1.508889e-004
j =  3.997387e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  3.0190e-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	2649.78	0.00000	0.00000
1.0000	34.5568	2.95589	5144.19	2.95591	0.00002
4.5000	34.5378	3.26103	5334.94	3.26100	-0.00002
15.0000	34.4972	4.23659	5902.78	4.23656	-0.00002
18.5000	34.4890	4.57961	6089.57	4.57961	-0.00000
24.0000	34.4802	5.13413	6379.65	5.13417	0.00005
29.0000	34.4753	5.65272	6639.06	5.65269	-0.00002
32.5000	34.4716	6.02264	6816.95	6.02065	-0.00199

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