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SENSOR SERIAL NUMBER: 1851
CALIBRATION DATE: 14-Apr-23

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

COEFFICIENTS:

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g = -1.029828e+000
h =  1.405582e-001
i = -8.323375e-005
j =  3.033161e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  2.6784e-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	2706.74	0.00000	0.00000
1.0000	34.6589	2.96379	5322.47	2.96380	0.00001
4.4999	34.6399	3.26971	5521.60	3.26970	-0.00000
15.0000	34.5994	4.24781	6114.03	4.24780	-0.00001
18.5000	34.5910	4.59169	6308.81	4.59170	0.00001
24.0000	34.5818	5.14759	6611.21	5.14760	0.00001
29.0000	34.5765	5.66745	6881.62	5.66744	-0.00001
32.5000	34.5727	6.03830	7068.01	6.03830	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