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SENSOR SERIAL NUMBER: 1851
CALIBRATION DATE: 08-Jun-23

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

COEFFICIENTS:

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g = -1.025917e+000
h =  1.400076e-001
i = -7.276667e-005
j =  2.913422e-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	2706.71	0.00000	0.00000
1.0000	34.6867	2.96594	5331.26	2.96594	-0.00000
4.5000	34.6672	3.27204	5530.94	3.27204	0.00000
15.0000	34.6257	4.25070	6124.91	4.25069	-0.00001
18.5000	34.6168	4.59475	6320.18	4.59475	0.00000
24.0000	34.6070	5.15092	6623.33	5.15093	0.00000
29.0000	34.6009	5.67100	6894.40	5.67099	-0.00000
32.5000	34.5952	6.04178	7081.20	6.04194	0.00016

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