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SENSOR SERIAL NUMBER: 1852
CALIBRATION DATE: 07-Apr-23

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

COEFFICIENTS:

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g = -1.052224e+000
h =  1.499577e-001
i = -1.263973e-004
j =  3.513824e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.0378e-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	2649.67	0.00000	0.00000
0.9999	34.6648	2.96424	5170.40	2.96424	-0.00000
4.4999	34.6454	3.27018	5362.88	3.27018	0.00001
15.0000	34.6044	4.24836	5935.77	4.24835	-0.00001
18.5000	34.5959	4.59228	6124.19	4.59228	0.00000
24.0000	34.5869	5.14826	6416.80	5.14827	0.00000
29.0000	34.5824	5.66830	6678.57	5.66830	-0.00000
32.5000	34.5798	6.03940	6859.07	6.03940	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