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SENSOR SERIAL NUMBER: 1856
CALIBRATION DATE: 22-Jun-23

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

COEFFICIENTS:

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g = -1.026501e+000
h =  1.457220e-001
i = -7.222693e-005
j =  3.212441e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  6.0924e-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	2653.61	0.00000	0.00000
1.0000	34.7262	2.96900	5227.30	2.96899	-0.00001
4.5000	34.7070	3.27543	5423.04	3.27543	0.00001
15.0000	34.6660	4.25512	6005.27	4.25512	0.00000
18.5000	34.6572	4.59954	6196.65	4.59954	0.00000
24.0000	34.6478	5.15632	6493.78	5.15632	-0.00000
29.0000	34.6426	5.67706	6759.49	5.67705	-0.00001
32.5000	34.6379	6.04839	6942.55	6.04840	0.00001

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