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SENSOR SERIAL NUMBER: 2357
CALIBRATION DATE: 09-Apr-23

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

COEFFICIENTS:

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g = -1.085123e+000
h =  1.688387e-001
i = -1.773821e-004
j =  4.620680e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  1.0910e-005
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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	2535.99	0.00000	0.00000
0.9999	34.7192	2.96845	4896.36	2.96845	0.00000
4.5000	34.6994	3.27478	5077.16	3.27478	-0.00000
15.0000	34.6581	4.25426	5615.51	4.25425	-0.00001
18.5000	34.6492	4.59859	5792.62	4.59860	0.00001
24.0000	34.6390	5.15516	6067.65	5.15516	0.00000
29.0000	34.6316	5.67546	6313.60	5.67545	-0.00001
32.5000	34.6233	6.04613	6482.95	6.04614	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