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SENSOR SERIAL NUMBER: 2355
CALIBRATION DATE: 08-Jan-25

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

COEFFICIENTS:

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g = -1.035544e+000
h =  1.537786e-001
i = -1.625599e-004
j =  3.710919e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  7.7050e-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	2596.23	0.00000	0.00000
0.9999	34.7180	2.96835	5100.35	2.96835	0.00000
4.5000	34.6964	3.27452	5290.99	3.27452	-0.00000
14.9999	34.6500	4.25336	5858.21	4.25335	-0.00001
18.4999	34.6396	4.59744	6044.70	4.59745	0.00001
23.9999	34.6273	5.15360	6334.23	5.15361	0.00001
29.0000	34.6199	5.67376	6593.19	5.67374	-0.00002
32.5001	34.6160	6.04501	6771.80	6.04502	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