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SENSOR SERIAL NUMBER: 1855
CALIBRATION DATE: 29-Jun-23

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

COEFFICIENTS:

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g = -1.011418e+000
h =  1.465239e-001
i = -1.557028e-004
j =  3.142311e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  5.7355e-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	2628.87	0.00000	0.00000
1.0000	34.8839	2.98119	5219.26	2.98119	-0.00001
4.5000	34.8642	3.28880	5415.91	3.28880	0.00001
15.0000	34.8224	4.27228	6000.85	4.27229	0.00001
18.5000	34.8139	4.61808	6193.14	4.61807	-0.00001
24.0000	34.8042	5.17702	6491.67	5.17703	0.00001
29.0000	34.7974	5.69957	6758.54	5.69956	-0.00001
32.5000	34.7929	6.07237	6942.50	6.07238	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