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SENSOR SERIAL NUMBER: 1860
CALIBRATION DATE: 16-Apr-23

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

COEFFICIENTS:

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g = -1.035517e+000
h =  1.445010e-001
i = -1.422259e-004
j =  3.428735e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  4.4809e-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	2678.09	0.00000	0.00000
1.0000	34.4625	2.94859	5247.26	2.94859	0.00000
4.5000	34.4430	3.25295	5443.16	3.25296	0.00001
15.0000	34.4017	4.22610	6026.07	4.22606	-0.00003
18.5000	34.3933	4.56827	6217.78	4.56827	0.00000
24.0000	34.3839	5.12136	6515.43	5.12139	0.00002
29.0000	34.3784	5.63861	6781.61	5.63862	0.00001
32.5000	34.3735	6.00744	6964.99	6.00743	-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