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SENSOR SERIAL NUMBER: 1860
CALIBRATION DATE: 07-Jun-23

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

COEFFICIENTS:

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g = -1.013652e+000
h =  1.414108e-001
i = -1.210042e-004
j =  3.379814e-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	2677.98	0.00000	0.00000
1.0000	34.6347	2.96192	5296.47	2.96191	-0.00001
4.5000	34.6155	3.26764	5495.40	3.26766	0.00002
15.0000	34.5744	4.24507	6086.98	4.24505	-0.00001
18.5000	34.5654	4.58866	6281.39	4.58866	-0.00001
24.0000	34.5558	5.14414	6583.22	5.14414	0.00000
29.0000	34.5498	5.66356	6853.07	5.66358	0.00002
32.5000	34.5435	6.03378	7038.85	6.03376	-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