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SENSOR SERIAL NUMBER: 1850
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 = -9.731183e-001
h =  1.376454e-001
i = -2.423642e-004
j =  4.302453e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  2.0033e-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	2662.13	0.00000	0.00000
1.0000	34.4625	2.94859	5339.06	2.94862	0.00003
4.5000	34.4430	3.25295	5541.43	3.25294	-0.00002
15.0000	34.4017	4.22610	6142.94	4.22606	-0.00004
18.5000	34.3933	4.56827	6340.54	4.56826	-0.00001
24.0000	34.3839	5.12136	6647.15	5.12139	0.00003
29.0000	34.3784	5.63861	6921.15	5.63865	0.00004
32.5000	34.3735	6.00744	7109.80	6.00741	-0.00004

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