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SENSOR SERIAL NUMBER: 2023
CALIBRATION DATE: 28-May-21

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

COEFFICIENTS:

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g = -1.034604e+000
h =  1.483539e-001
i =  1.902419e-004
j =  2.066108e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -2.5476e-005
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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	2635.83	0.00000	0.00000
1.0000	34.5917	2.95859	5161.62	2.95861	0.00002
4.5000	34.5723	3.26396	5354.19	3.26395	-0.00001
15.0000	34.5311	4.24031	5927.25	4.24029	-0.00002
18.5000	34.5222	4.58354	6115.69	4.58354	0.00000
24.0000	34.5124	5.13839	6408.29	5.13842	0.00002
29.0000	34.5066	5.65727	6669.98	5.65728	0.00001
32.5000	34.5032	6.02754	6850.43	6.02752	-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