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SENSOR SERIAL NUMBER: 0080
CALIBRATION DATE: 18-Jul-20

SBE 45 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -9.894019e-001
h =  1.434280e-001
i = -2.367636e-004
j =  4.100581e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  9.3817e-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	2629.29	0.00000	0.00000
1.0000	34.8333	2.97728	5260.93	2.97727	-0.00001
4.5000	34.8132	3.28446	5460.02	3.28448	0.00002
15.0000	34.7691	4.26644	6051.69	4.26641	-0.00002
18.5000	34.7592	4.61161	6246.06	4.61160	-0.00001
24.0000	34.7476	5.16954	6547.68	5.16957	0.00003
29.0000	34.7408	5.69134	6817.29	5.69133	-0.00001
32.5000	34.7366	6.06366	7002.97	6.06337	-0.00030

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