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SENSOR SERIAL NUMBER: 0385
CALIBRATION DATE: 21-Feb-20

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

COEFFICIENTS:

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g = -9.878794e-001
h =  1.340637e-001
i = -1.590318e-004
j =  2.958155e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  2.7605e-007
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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	2716.70	0.00000	0.00000
1.0000	34.8475	2.97838	5439.00	2.97839	0.00001
4.5000	34.8272	3.28565	5645.04	3.28565	-0.00000
15.0000	34.7834	4.26800	6257.63	4.26797	-0.00003
18.5000	34.7736	4.61332	6458.92	4.61333	0.00001
24.0000	34.7626	5.17152	6771.34	5.17153	0.00001
29.0000	34.7557	5.69351	7050.65	5.69353	0.00002
32.5000	34.7509	6.06587	7243.10	6.06586	-0.00002

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