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SENSOR SERIAL NUMBER: 0080
CALIBRATION DATE: 26-Feb-19

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

COEFFICIENTS:

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g = -9.897703e-001
h =  1.434755e-001
i = -2.384454e-004
j =  4.248022e-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	34.6623	2.96405	5250.99	2.96406	0.00001
4.5000	34.6429	3.26997	5449.45	3.26996	-0.00001
15.0000	34.6020	4.24810	6039.49	4.24809	-0.00001
18.5000	34.5934	4.59198	6233.34	4.59198	0.00000
23.9999	34.5838	5.14784	6534.16	5.14785	0.00002
29.0000	34.5784	5.66772	6803.06	5.66771	-0.00001
32.5000	34.5742	6.03853	6988.27	6.03845	-0.00008

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