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SENSOR SERIAL NUMBER: 0455
CALIBRATION DATE: 02-Mar-19

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

COEFFICIENTS:

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g = -1.086383e+000
h =  1.528788e-001
i = -5.720889e-003
j =  3.646597e-004

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  8.9947e-008
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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	2787.42	0.00000	0.00000
1.0000	34.8469	2.97833	5546.20	2.98525	0.00692
4.5000	34.8221	3.28522	5755.63	3.28742	0.00220
15.0000	34.7796	4.26759	6379.09	4.25327	-0.01432
18.5000	34.7700	4.61289	6583.89	4.59276	-0.02012
23.9999	34.7596	5.17111	6934.38	5.20008	0.02896
28.9999	34.7507	5.69277	7214.71	5.71034	0.01757
32.5001	34.7422	6.06454	7391.58	6.04378	-0.02076

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