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SENSOR SERIAL NUMBER: 0041
CALIBRATION DATE: 28-Apr-19

SBE 49 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -1.007687e+000
h =  1.379849e-001
i = -1.152890e-004
j =  3.024428e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-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	2703.27	0.0000	0.00000
1.0000	34.7401	2.97007	5364.23	2.9701	-0.00000
4.5000	34.7206	3.27658	5566.23	3.2766	0.00001
15.0000	34.6795	4.25660	6166.97	4.2566	-0.00001
18.5000	34.6709	4.60116	6364.43	4.6012	0.00000
23.9999	34.6610	5.15806	6670.92	5.1581	0.00002
29.0000	34.6561	5.67903	6945.03	5.6790	-0.00001
32.5001	34.6531	6.05075	7134.00	6.0508	0.00000

f = Instrument Output (Hz) / 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