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SENSOR SERIAL NUMBER: 1679
CALIBRATION DATE: 09-Jul-19

SBE 37 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -9.844664e-001
h =  1.431311e-001
i = -1.687060e-004
j =  4.071619e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -7.8739e-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	2624.32	0.00000	0.00000
1.0000	34.7882	2.97379	5254.45	2.97380	0.00001
4.5000	34.7698	3.28077	5453.48	3.28077	0.00000
15.0000	34.7329	4.26246	6045.19	4.26243	-0.00003
18.5000	34.7261	4.60769	6239.63	4.60769	-0.00001
24.0000	34.7194	5.16580	6541.40	5.16585	0.00005
29.0000	34.7165	5.68781	6811.10	5.68779	-0.00002
32.5000	34.7145	6.06024	6996.82	6.05992	-0.00033

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