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SENSOR SERIAL NUMBER: 4078
CALIBRATION DATE: 26-May-21

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

COEFFICIENTS:

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g = -1.033808e+000
h =  1.481728e-001
i = -6.987409e-005
j =  3.060326e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC = -1.0787e-005
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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	2641.46	0.00000	0.00000
0.9999	34.6711	2.96473	5186.75	2.96474	0.00002
4.5000	34.6515	3.27070	5380.76	3.27069	-0.00001
15.0000	34.6097	4.24894	5958.11	4.24892	-0.00002
18.4999	34.6009	4.59286	6147.98	4.59287	0.00001
24.0000	34.5913	5.14884	6442.82	5.14886	0.00002
29.0000	34.5851	5.66870	6706.47	5.66870	0.00000
32.5000	34.5793	6.03932	6888.10	6.03931	-0.00001

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