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SENSOR SERIAL NUMBER: 1678
CALIBRATION DATE: 05-May-21

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

COEFFICIENTS:

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g = -9.858572e-001
h =  1.375646e-001
i = -2.472148e-004
j =  4.680759e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  4.8508e-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	2680.07	0.00000	0.00000
1.0000	34.6387	2.96223	5356.85	2.96223	0.00001
4.5000	34.6189	3.26793	5559.27	3.26793	-0.00000
15.0000	34.5786	4.24553	6160.93	4.24550	-0.00003
18.4999	34.5706	4.58927	6358.58	4.58928	0.00001
24.0000	34.5632	5.14512	6665.32	5.14515	0.00003
28.9999	34.5599	5.66502	6939.43	5.66500	-0.00002
32.5001	34.5600	6.03634	7127.58	6.03453	-0.00181

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