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SENSOR SERIAL NUMBER: 1678
CALIBRATION DATE: 25-May-21

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

COEFFICIENTS:

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g = -9.824852e-001
h =  1.369067e-001
i = -1.400774e-004
j =  3.332329e-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	2680.05	0.00000	0.00000
0.9998	34.6087	2.95989	5362.15	2.95990	0.00001
4.5000	34.5892	3.26540	5565.08	3.26539	-0.00001
15.0000	34.5495	4.24233	6168.44	4.24232	-0.00002
18.5000	34.5411	4.58578	6366.67	4.58578	-0.00001
23.9999	34.5320	5.14098	6674.31	5.14100	0.00003
28.9999	34.5268	5.66020	6949.28	5.66020	-0.00000
32.5001	34.5238	6.03074	7138.82	6.03073	-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