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SENSOR SERIAL NUMBER: 2322
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 = -1.071160e+000
h =  1.507293e-001
i = -1.532051e-004
j =  3.743515e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  3.3120e-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	2666.97	0.00000	0.00000
0.9998	34.6087	2.95989	5167.87	2.95991	0.00002
4.5000	34.5892	3.26540	5359.27	3.26537	-0.00003
15.0000	34.5495	4.24233	5929.30	4.24236	0.00003
18.5000	34.5411	4.58578	6116.77	4.58578	-0.00000
23.9999	34.5320	5.14098	6407.95	5.14096	-0.00002
28.9999	34.5268	5.66020	6668.45	5.66021	0.00001
32.5001	34.5238	6.03074	6848.06	6.03068	-0.00005

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